

TEST REPORT

FCC Test for MF1601d-25A

APPLICANT

SAMSUNG Electronics Co., Ltd.

REPORT NO.

HCT-RF-2104-FC010-R1

DATE OF ISSUE

May 14, 2021

Tested by
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Additional Model

-

Applicant	SAMSUNG Electronics Co., Ltd. 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
EUT Type	MMU(MF1601d)
Model Name	MF1601d-25A
FCC ID	A3LMF1601D-25A
Date of Test	April 05, 2021~ May 13, 2021
FCC Rule Parts:	FCC CFR 47 Part 2, Part 24, Part 27

The result shown in this test report refer only to the sample(s) tested unless otherwise stated.

This test results were applied only to the test methods required by the standard.

REVISION HISTORY

The revision history for this test report is shown in table.

Revision No.	Date of Issue	Description
0	April 27, 2021	Initial Release
1	May 14, 2021	- Revised the emission designator on page 6. - Revised the test diagrams of conducted test on page 12. - Revised the test results from 2110 MHz ~2200 MHz to 2110 MHz ~ 2180 MHz

The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements of the FCC Rules under normal use and maintenance.

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1. GENERAL INFORMATION

1.1. APPLICANT INFORMATION

Company Name	Samsung Electronics Co., Ltd.
Company Address	129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea

1.2. PRODUCT INFORMATION

EUT Type	MMU(MF1601d)			
EUT Serial Number	DKN2104012			
Power Supply	-48 VDC			
Output Power	Band	Carrier	Bandwidth	Power
	LTE Band 25 (B25)	1	5 MHz	2.5 W/path, Total: 40 W
	LTE Band 25 (B25)	1	10 MHz	5 W/path, Total: 80 W
	LTE Band 25 (B25)	1	15 MHz	7.5 W/path, Total: 120 W
	LTE Band 25 (B25)	1	20 MHz	10 W/path, Total: 160 W
	LTE Band 66 (B66)	1	5 MHz	2.5 W/path, Total: 40 W
	LTE Band 66 (B66)	1	10 MHz	5 W/path, Total: 80 W
	LTE Band 66 (B66)	1	15 MHz	7.5 W/path, Total: 120 W
	LTE Band 66 (B66)	1	20 MHz	10 W/path, Total: 160 W
	B25 + B25	2	5 MHz + 10 MHz	10 W/path, Total: 160 W
	B66 + B66	2	10 MHz + 20 MHz	10 W/path, Total: 160 W
	B25 + B25 + B25	3	5 MHz + 10 MHz + 10 MHz	10 W/path, Total: 160 W
	B25 + B25 + B25	3	5 MHz + 10 MHz + 15 MHz	10 W/path, Total: 160 W
	B66 + B66 + B66	3	10 MHz + 10 MHz + 15 MHz	10 W/path, Total: 160 W
	B66 + B66 + B66	3	10 MHz + 15 MHz + 20 MHz	10 W/path, Total: 160 W
	B66 + B66 + B66	4	10 MHz + 10 MHz + 10 MHz + 20 MHz	10 W/path, Total: 160 W
Frequency Range	LTE Band 25 (B25) : 1930 MHz ~ 1995 MHz			
	*The test results are in the frequency range of Band 25, but include Band 2.			
	LTE Band 66 (B66) : 2110 MHz ~ 2180 MHz			

	Mode	Bandwidth	Emission Designator	
			QPSK (G7D)	16/64/256 QAM (W7D)
Emission Designator	LTE B25	5 MHz	4M53G7D	4M54W7D
	LTE B25	10 MHz	9M03G7D	9M05W7D
	LTE B25	15 MHz	13M6G7D	13M6W7D
	LTE B25	20 MHz	18M0G7D	18M0W7D
	LTE B66	5 MHz	4M53G7D	4M54W7D
	LTE B66	10 MHz	9M02G7D	9M04W7D
	LTE B66	15 MHz	13M5G7D	13M5W7D
	LTE B66	20 MHz	18M0G7D	18M1W7D
	LTE B25 (Contiguous)	5 MHz + 15 MHz	19M0G7D	19M0W7D
	LTE B25 (Non-Contiguous)	5 MHz + 15 MHz	18M0G7D	18M0W7D
	LTE B25 (Non-Contiguous)	15 MHz + 5 MHz	18M0G7D	18M1W7D
	LTE B66 (Contiguous)	10 MHz + 20 MHz	28M5G7D	28M6W7D
	LTE B66 (Non-Contiguous)	10 MHz + 20 MHz	27M1G7D	27M1W7D
	LTE B25 (Contiguous)	5 MHz + 10 MHz + 10 MHz	24M2G7D	24M2W7D
	LTE B25 (Non-Contiguous)	5 MHz + 10 MHz + 10 MHz	23M5G7D	23M5W7D
	LTE B25 (Non-Contiguous)	10 MHz + 10 MHz + 5 MHz	23M5G7D	23M5W7D
	LTE B25 (Contiguous)	5 MHz + 10 MHz + 15 MHz	29M0G7D	29M0W7D
	LTE B25 (Non-Contiguous)	5 MHz + 10 MHz + 15 MHz	28M2G7D	28M3W7D
	LTE B25 (Non-Contiguous)	10 MHz + 15 MHz + 5 MHz	28M3G7D	28M2W7D
	LTE B66 (Contiguous)	10 MHz + 10 MHz + 15 MHz	33M7G7D	33M7W7D
	LTE B66 (Non-Contiguous)	15 MHz + 10 MHz + 10 MHz	32M7G7D	32M8W7D
	LTE B66 (Non-Contiguous)	10 MHz + 15 MHz + 10 MHz	32M7G7D	32M8W7D
	LTE B66 (Contiguous)	10 MHz + 15 MHz + 20 MHz	43M4G7D	43M4W7D
	LTE B66 (Non-Contiguous)	10 MHz + 15 MHz + 20 MHz	42M2G7D	42M2W7D
	LTE B66 (Non-Contiguous)	10 MHz + 20 MHz + 15 MHz	42M0G7D	42M0W7D
	LTE B66 (Contiguous)	10 MHz + 10 MHz + 10 MHz + 20 MHz	48M4G7D	48M4W7D
	LTE B66 (Non-Contiguous)	10 MHz + 20 MHz + 10 MHz + 10 MHz	47M4G7D	47M4W7D
	LTE B66 (Non-Contiguous)	10 MHz + 10 MHz + 20 MHz + 10 MHz	47M4G7D	47M4W7D

Channel Bandwidths	Port 1 ~ Port 16 : LTE Band 25 (5/10/15/20 MHz) Port 17 ~ Port 32 : LTE Band 66 (5/10/15/20 MHz)
Modulation Type	QPSK, 16QAM, 64QAM, 256QAM
Antenna Specification	LTE Band 25: 21.2 dBi LTE Band 66: 21.4 dBi

1.3. TEST INFORMATION

FCC Rule Parts	FCC CFR 47 Part 24, Part 27
Measurement Standards	ANSI C63.26-2015, KDB 971168 D01 v03r01
Place of Test	HCT CO., LTD. 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA

2. FACILITIES AND ACCREDITATIONS

2.1. FACILITIES

The SAC(Semi-Anechoic Chamber) and conducted measurement facility used to collect the radiated data are located at the 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA.

The site is constructed in conformance with the requirements of ANSI C63.4. (Version :2014) and CISPR Publication 22.

Detailed description of test facility was submitted to the Commission and accepted dated April 02, 2018 (Registration Number: KR0032).

2.2. EQUIPMENT

Radiated emissions are measured with one or more of the following types of Linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

3. TEST SPECIFICATIONS

3.1. STANDARDS

The following tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with FCC Part 24, Part 27

Description	Reference	Results
RF Output Power	§ 2.1046, § 24.232, § 27.50(d)	Compliant
Occupied Bandwidth	§ 2.1049	Compliant
Unwanted Conducted Emissions	§ 2.1051, § 24.238, § 27.53(h)	Compliant
Radiated Emissions	§ 2.1053, § 24.238, § 27.53(h)	Compliant
Frequency Stability	§ 2.1055, § 24.235, § 27.54	Compliant

3.2. ADDITIONAL DESCRIPTIONS ABOUT TEST

- The EUT was operated in a manner representative of the typical usage of the equipment.
- During all testing, system components were manipulated within the confines of typical usage to maximize each emission.
- All LTE modulation types (QPSK, 16QAM, 64QAM, 256QAM) supported by the EUT have been tested.
- The dummy loads were connected to the RF output ports for radiated spurious emission testing.
- The tests results in plots are already including the actual value of loss for the attenuator and cable combination. Please check correction factors below table.

Correction factor table			
Frequency (MHz)	Factor (dB)	Frequency (MHz)	Factor (dB)
500	33.016	2 500	37.643
550	33.191	2 550	37.768
600	33.386	2 600	37.766
650	33.552	2 650	37.852
700	33.701	2 700	37.942
750	33.873	2 750	37.994
800	34.005	2 800	38.052
850	34.184	2 850	38.159
900	34.311	2 900	38.231
950	34.410	2 950	38.348
1 000	34.593	3 000	38.409
1 050	34.737	4 000	39.676
1 100	34.868	5 000	41.607
1 150	34.967	6 000	42.175
1 200	35.088	7 000	43.770
1 250	35.223	8 000	44.908
1 300	35.316	9 000	45.769
1 350	35.455	10 000	46.857
1 400	35.552	11 000	48.061
1 450	35.662	12 000	48.952
1 500	35.715	13 000	49.092
1 550	35.830	14 000	49.855
1 600	35.971	15 000	50.738
1 650	36.148	16 000	51.643
1 700	36.153	17 000	52.142
1 750	36.260	18 000	53.135
1 800	36.343	19 000	53.802
1 850	36.448	20 000	55.152
1 900	36.561	-	-
1 950	36.610	-	-
2 000	36.752	-	-
2 050	36.825	-	-
2 100	36.938	-	-
2 150	37.012	-	-
2 200	37.095	-	-
2 250	37.166	-	-
2 300	37.274	-	-
2 350	37.327	-	-
2 400	37.495	-	-
2 450	37.515	-	-

3.3. MAXIMUM MEASUREMENT UNCERTAINTY

The value of the measurement uncertainty for the measurement of each parameter.

Coverage factor $k=2$, Confidence levels of 95 %

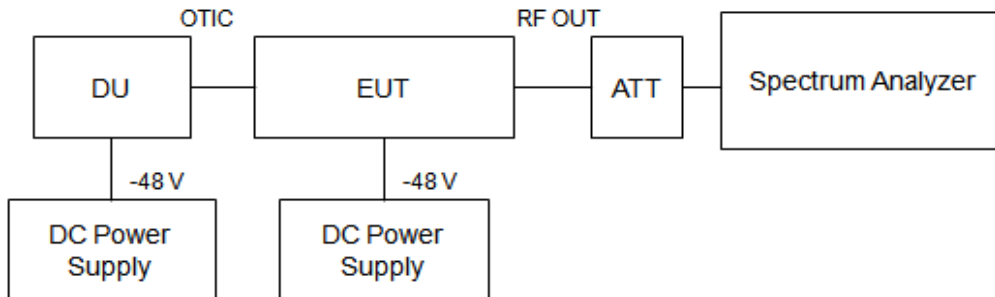
Description	Condition	Uncertainty
RF Output Power	-	± 0.72 dB
Occupied Bandwidth	$OBW \leq 20$ MHz	± 52 kHz
Unwanted Conducted Emissions	-	± 1.08 dB
Radiated Emissions	$f \leq 1$ GHz	± 4.80 dB
	$f > 1$ GHz	± 6.07 dB
Frequency Stability	-	$\pm 1.22 \times 10^{-6}$

3.4. STANDARDS ENVIRONMENTAL TEST CONDITIONS

Temperature :	+15 °C to +35 °C
Relative humidity:	30 % to 60 %
Air pressure	860 mbar to 1 060 mbar

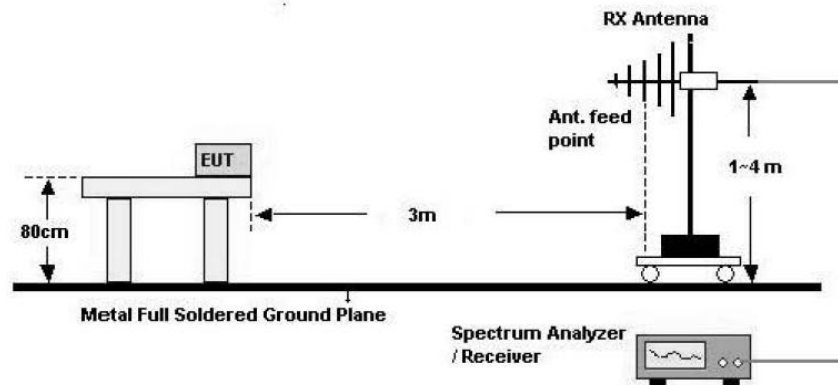
3.5. TEST DIAGRAMS

Conducted Test

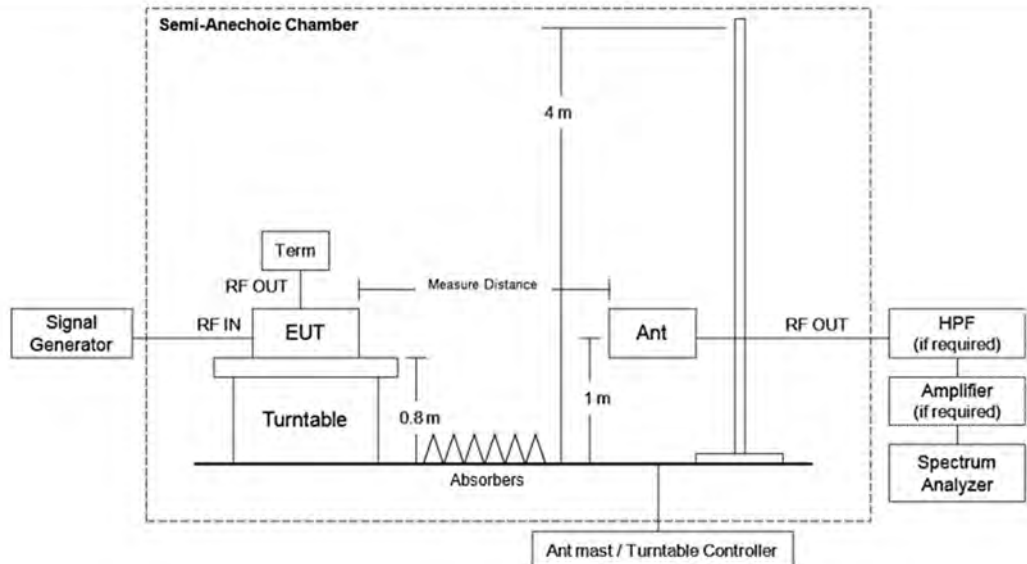


Radiated Test

30 MHz ~ 1 GHz



Above 1 GHz

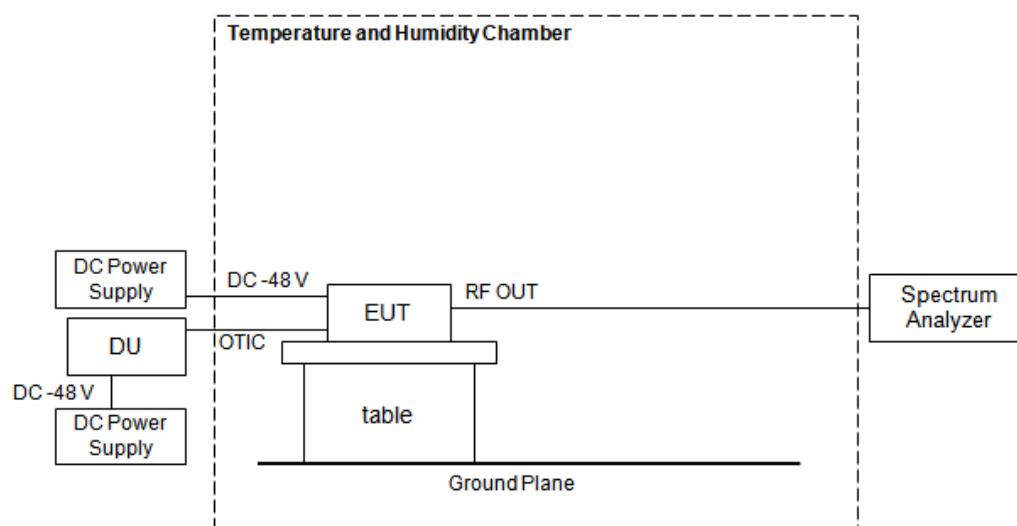


※ EUT position is adopted by placement of floor-standing refer to section 5.5.2.3.2 of ANSI C63.26-2015

Note

- Test distance for Above 1 GHz: 3 m
- Test Jig on EUT was used to make conducted test conditions.

Frequency Stability



Note

- All modulations(QPSK, 16QAM, 64QAM, 256QAM) were investigated and the worst case configuration channel results are reported.

4. TEST EQUIPMENTS

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Agilent	N9020A / Spectrum Analyzer	2021-04-06	Annual	US46220219
Keysight	N9030B / PXA Spectrum Analyzer	2020-06-04	Annual	MY55480167
Weinschel Associates	WA93-30-33 / 30 dB Attenuator	2021-03-30	Annual	0202
AGILENT	E3632A / DC Power Supply	2020-06-05	Annual	MY40010967
KIKUSUI	PWR800L / DC Power Supply	2021-02-22	Annual	RE001149
ESPEC	PL-4KP / Temperature and Humidity Chamber	2020-08-13	Annual	14021890
TNM system	FBSM-01B / Amp & Filter Bank Switch Controller	N/A	N/A	N/A
Innco systems	CO3000 / Controller(Antenna mast & Turn Table)	N/A	N/A	CO3000/1251/ 48920320/P
Innco systems	MA4640/800-XP-ET / Antenna Position Tower	N/A	N/A	N/A
Innco systems	DS2000-S / Turn Table	N/A	N/A	N/A
Emco	2090 / Controller	N/A	N/A	060520
Ets	Turn Table	N/A	N/A	N/A
Schwarzbeck	FMZB 1513 / Loop Antenna	2020-03-19	Biennial	1513-333
Schwarzbeck	VULB 9168 / Hybrid Antenna	2020-08-02	Biennial	01039
Schwarzbeck	BBHA 9120D / Horn Antenna	2020-06-28	Biennial	02296
Rohde & Schwarz	FSP40 / Spectrum Analyzer	2020-06-08	Annual	100843
Wainwright Instruments	WHKX10-900-1000-15000-40SS /High Pass Filter	2020-06-24	Annual	5
CERNEX	CBL18265035 / Power Amplifier	2020-12-04	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	2021-03-23	Annual	25956
TNM system	FBSR-04C / HPF(3~18GHz) + LNA1(1~18GHz)	2020-09-23	Annual	N/A
LTC Microwave	LLAU1183540Q / Low Noise Amplifier	2020-09-23	Annual	100
Wainwright Instruments	WHKX12-2805-3000-18000-40SS / High Pass Filter	2020-09-23	Annual	45

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

5. TEST RESULT

5.1. RF OUTPUT POWER

Test Requirements:

§ 2.1046 Measurements required: RF power output.

- (a) For transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in § 2.1033(c)(8). The electrical characteristics of the radio frequency load attached to the output terminals when this test is made shall be stated.
- (b) For single sideband, independent sideband, and single channel, controlled carrier radiotelephone transmitters the procedure specified in paragraph (a) of this section shall be employed and, in addition, the transmitter shall be modulated during the test as specified and applicable in § 2.1046 (b) (1-5). In all tests, the input level of the modulating signal shall be such as to develop rated peak envelope power or carrier power, as appropriate, for the transmitter.
- (c) For measurements conducted pursuant to paragraphs (a) and (b) of this section, all calculations and methods used by the applicant for determining carrier power or peak envelope power, as appropriate, on the basis of measured power in the radio frequency load attached to the transmitter output terminals shall be shown. Under the test conditions specified, no components of the emission spectrum shall exceed the limits specified in the applicable rule parts as necessary for meeting occupied bandwidth or emission limitations.

§ 24.232 Power and antenna height limits.

- (a) (1) Base stations with an emission bandwidth of 1 MHz or less are limited to 1640 watts equivalent isotropically radiated power (EIRP) with an antenna height up to 300 meters HAAT, except as described in paragraph (b) below.
 - (2) Base stations with an emission bandwidth greater than 1 MHz are limited to 1640 watts/MHz equivalent isotropically radiated power (EIRP) with an antenna height up to 300 meters HAAT, except as described in paragraph (b) below.
 - (3) Base station antenna heights may exceed 300 meters HAAT with a corresponding reduction in power; see Tables 1 and 2 of this section.
 - (4) The service area boundary limit and microwave protection criteria specified in § § 24.236 and 24.237 apply.

Table 1—Reduced Power for Base Station Antenna Heights Over 300 Meters, With Emission Bandwidth of 1 MHz or Less

HAAT in meters	Maximum EIRP watts
≤300	1640
≤500	1070
≤1000	490
≤1500	270
≤2000	160

Table 2—Reduced Power for Base Station Antenna Heights Over 300 Meters, With Emission Bandwidth Greater Than 1 MHz

HAAT in meters	Maximum EIRP watts/MHz
≤300	1640
≤500	1070
≤1000	490
≤1500	270
≤2000	160

- (b) (1) Base stations that are located in counties with population densities of 100 persons or fewer per square mile, based upon the most recently available population statistics from the Bureau of the Census, with an emission bandwidth of 1 MHz or less are limited to 3280 watts equivalent isotropically radiated power (EIRP) with an antenna height up to 300 meters HAAT.
- (2) Base stations that are located in counties with population densities of 100 persons or fewer per square mile, based upon the most recently available population statistics from the Bureau of the Census, with an emission bandwidth greater than 1 MHz are limited to 3280 watts/MHz equivalent isotropically radiated power (EIRP) with an antenna height up to 300 meters HAAT.
- (3) Base station antenna heights may exceed 300 meters HAAT with a corresponding reduction in power; see Tables 3 and 4 of this section.
- (4) The service area boundary limit and microwave protection criteria specified in § 24.236 and 24.237 apply.
- (5) Operation under this paragraph (b) at power limits greater than permitted under paragraph (a) of this section must be coordinated in advance with all broadband PCS licensees authorized to operate on adjacent frequency blocks within 120 kilometers (75 miles) of the base station and is limited to base stations located more than 120 kilometers (75 miles) from the Canadian border and more than 75 kilometers (45 miles) from the Mexican border.

Table 3—Reduced Power for Base Station Antenna Heights Over 300 Meters, With Emission Bandwidth of 1 MHz or Less

HAAT in meters	Maximum EIRP watts
≤300	3280
≤500	2140
≤1000	980
≤1500	540
≤2000	320

Table 4—Reduced Power for Base Station Antenna Heights Over 300 Meters, With Emission Bandwidth Greater Than 1 MHz

HAAT in meters	Maximum EIRP watts/MHz
≤300	3280
≤500	2140
≤1000	980
≤1500	540
≤2000	320

- (c) Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.
- (d) Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of § 24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.
- (e) Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage. The measurement results shall be properly adjusted for any instrument limitations, such as detector response times, limited resolution bandwidth capability when compared to the emission bandwidth, sensitivity, etc., so as to obtain a true peak measurement for the emission in question over the full bandwidth of the channel.

Note to § 24.232: Height above average terrain (HAAT) is to be calculated using the method set forth in § 24.53 of this part.

§ 27.50 Power limits and duty cycle.

- (d) The following power and antenna height requirements apply to stations transmitting in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz and 2180-2200 MHz bands:
- (1) The power of each fixed or base station transmitting in the 1995-2000 MHz, 2110-2155 MHz, 2155-2180 MHz or 2180-2200 MHz band and located in any county with population density of 100 or fewer persons per square mile, based upon the most recently available population statistics from the Bureau of the Census, is limited to:
- (i) An equivalent isotropically radiated power (EIRP) of 3280 watts when transmitting with an emission bandwidth of 1 MHz or less;
- (ii) An EIRP of 3280 watts/MHz when transmitting with an emission bandwidth greater than 1 MHz.
- (2) The power of each fixed or base station transmitting in the 1995-2000 MHz, the 2110-2155 MHz 2155-2180 MHz band, or 2180-2200 MHz band and situated in any geographic location other than that described in paragraph (d)(1) of this section is limited to:
- (i) An equivalent isotropically radiated power (EIRP) of 1640 watts when transmitting with an emission bandwidth of 1 MHz or less;
- (ii) An EIRP of 1640 watts/MHz when transmitting with an emission bandwidth greater than 1 MHz.

- (3) A licensee operating a base or fixed station in the 2110-2155 MHz band utilizing a power greater than 1640 watts EIRP and greater than 1640 watts/MHz EIRP must coordinate such operations in advance with all Government and non-Government satellite entities in the 2025-2110 MHz band. A licensee operating a base or fixed station in the 2110-2180 MHz band utilizing power greater than 1640 watts EIRP and greater than 1640 watts/MHz EIRP must be coordinated in advance with the following licensees authorized to operate within 120 kilometers (75 miles) of the base or fixed station operating in this band: All Broadband Radio Service (BRS) licensees authorized under this part in the 2155-2160 MHz band and all advanced wireless services (AWS) licensees authorized to operate on adjacent frequency blocks in the 2110-2180 MHz band.
- (4) Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP. Fixed stations operating in the 1710-1755 MHz band are limited to a maximum antenna height of 10 meters above ground. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.
- (5) Equipment employed must be authorized in accordance with the provisions of § 24.51. Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (d)(6) of this section. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.
- (6) Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage. The measurement results shall be properly adjusted for any instrument limitations, such as detector response times, limited resolution bandwidth capability when compared to the emission bandwidth, sensitivity, etc., so as to obtain a true peak measurement for the emission in question over the full bandwidth of the channel.
- (7) Fixed, mobile, and portable (hand-held) stations operating in the 2000-2020 MHz band are limited to 2 watts EIRP, except that the total power of any portion of an emission that falls within the 2000-2005 MHz band may not exceed 5 milliwatts. A licensee of AWS-4 authority may enter into private operator-to-operator agreements with all 1995-2000 MHz licensees to operate in 2000-2005 MHz at power levels above 5 milliwatts EIRP; except the total power of the AWS-4 mobile emissions may not exceed 2 watts EIRP.
- (8) A licensee operating a base or fixed station in the 2180-2200 MHz band utilizing a power greater than 1640 watts EIRP and greater than 1640 watts/MHz EIRP must be coordinated in advance with all AWS licensees authorized to operate on adjacent frequency blocks in the 2180-2200 MHz band.
- (9) Fixed, mobile and portable (hand-held) stations operating in the 1915-1920 MHz band are limited to 300 milliwatts EIRP.
- (10) A licensee operating a base or fixed station in the 1995-2000 MHz band utilizing a power greater than 1640 watts EIRP and greater than 1640 watts/MHz EIRP must be coordinated in advance with all PCS G Block licensees authorized to operate on adjacent frequency blocks in the 1990-1995 MHz band within 120 kilometers of the base or fixed station operating in this band.

Test Procedures:

The measurement is performed in accordance with Section 5.2.4.4.1 of ANSI C63.26.

- a) Set span to $2 \times$ to $3 \times$ the OBW.
- b) Set RBW = 1 % to 5 % of the OBW.
- c) Set VBW $\geq 3 \times$ RBW.
- d) Set number of measurement points in sweep $\geq 2 \times$ span / RBW.
- e) Sweep time:
 - 1) Set = auto-couple, or
 - 2) Set $\geq [10 \times (\text{number of points in sweep}) \times (\text{transmission symbol period})]$ for single sweep (automation-compatible) measurement.
- f) Detector = power averaging (rms).
- g) If the EUT can be configured to transmit continuously, then set the trigger to free run.
- h) If the EUT cannot be configured to transmit continuously, then use a sweep trigger with the level set to enable triggering only on full power bursts and configure the EUT to transmit at full power for the entire duration of each sweep. Verify that the sweep time is less than or equal to the transmission burst duration. Time gating can also be used under similar constraints (i.e., configured such that measurement data is collected only during active full-power transmissions).
- i) Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple. To accurately determine the average power over multiple symbols, it can be necessary to increase the number of traces to be averaged above 100 or, if using a manually configured sweep time, increase the sweep time.
- j) Compute the power by integrating the spectrum across the OBW of the signal using the instrument's band or channel power measurement function, with the band/channel limits set equal to the OBW band edges. If the instrument does not have a band or channel power function, then sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.

Note:

- 1) The conducted emission level is measured at each antenna port and then summed mathematically to determine the total emission level from the device.
- 2) Sum data is in a tolerance of specification provided from manufacturer.

Test Results:
Tabular Data of RF output power

LTE Band 25 5 MHz 1 Carrier

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	Low	1932.50	27.12	21.20	48.32	67.91	1640
		Middle	1962.50	27.13	21.20	48.33	68.05	
		High	1992.50	27.21	21.20	48.41	69.35	
	16QAM	Low	1932.50	27.08	21.20	48.28	67.23	
		Middle	1962.50	26.89	21.20	48.09	64.42	
		High	1992.50	27.25	21.20	48.45	69.99	
	64QAM	Low	1932.50	27.09	21.20	48.29	67.44	
		Middle	1962.50	27.14	21.20	48.34	68.25	
		High	1992.50	27.15	21.20	48.35	68.33	
	256QAM	Low	1932.50	27.03	21.20	48.23	66.47	
		Middle	1962.50	27.12	21.20	48.32	67.93	
		High	1992.50	27.20	21.20	48.40	69.20	
Port 2	QPSK	Low	1932.50	27.08	21.20	48.28	67.36	1640
		Middle	1962.50	27.12	21.20	48.32	67.85	
		High	1992.50	27.11	21.20	48.31	67.76	
	16QAM	Low	1932.50	27.06	21.20	48.26	66.94	
		Middle	1962.50	27.00	21.20	48.20	66.03	
		High	1992.50	27.24	21.20	48.44	69.90	
	64QAM	Low	1932.50	27.20	21.20	48.40	69.14	
		Middle	1962.50	27.05	21.20	48.25	66.89	
		High	1992.50	27.14	21.20	48.34	68.28	
	256QAM	Low	1932.50	27.11	21.20	48.31	67.84	
		Middle	1962.50	27.03	21.20	48.23	66.59	
		High	1992.50	27.21	21.20	48.41	69.42	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 3	QPSK	Low	1932.50	27.08	21.20	48.28	67.24	1640
		Middle	1962.50	27.03	21.20	48.23	66.56	
		High	1992.50	27.15	21.20	48.35	68.35	
	16QAM	Low	1932.50	27.09	21.20	48.29	67.50	
		Middle	1962.50	26.94	21.20	48.14	65.12	
		High	1992.50	26.99	21.20	48.19	65.93	
	64QAM	Low	1932.50	27.10	21.20	48.30	67.65	
		Middle	1962.50	27.10	21.20	48.30	67.68	
		High	1992.50	27.07	21.20	48.27	67.17	
	256QAM	Low	1932.50	27.15	21.20	48.35	68.43	
		Middle	1962.50	27.12	21.20	48.32	67.92	
		High	1992.50	27.10	21.20	48.30	67.59	
Port 4	QPSK	Low	1932.50	26.92	21.20	48.12	64.83	1640
		Middle	1962.50	26.97	21.20	48.17	65.55	
		High	1992.50	27.06	21.20	48.26	67.03	
	16QAM	Low	1932.50	27.08	21.20	48.28	67.25	
		Middle	1962.50	26.96	21.20	48.16	65.53	
		High	1992.50	27.14	21.20	48.34	68.17	
	64QAM	Low	1932.50	26.98	21.20	48.18	65.81	
		Middle	1962.50	27.05	21.20	48.25	66.79	
		High	1992.50	27.06	21.20	48.26	66.96	
	256QAM	Low	1932.50	26.97	21.20	48.17	65.67	
		Middle	1962.50	27.10	21.20	48.30	67.57	
		High	1992.50	27.04	21.20	48.24	66.72	
Port 5	QPSK	Low	1932.50	27.11	21.20	48.31	67.74	1640
		Middle	1962.50	27.20	21.20	48.40	69.11	
		High	1992.50	27.20	21.20	48.40	69.12	
	16QAM	Low	1932.50	27.21	21.20	48.41	69.33	
		Middle	1962.50	27.04	21.20	48.24	66.66	
		High	1992.50	27.23	21.20	48.43	69.70	
	64QAM	Low	1932.50	27.24	21.20	48.44	69.77	
		Middle	1962.50	27.18	21.20	48.38	68.81	
		High	1992.50	27.09	21.20	48.29	67.39	
	256QAM	Low	1932.50	27.09	21.20	48.29	67.39	
		Middle	1962.50	27.14	21.20	48.34	68.30	
		High	1992.50	27.12	21.20	48.32	67.93	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 6	QPSK	Low	1932.50	27.01	21.20	48.21	66.21	1640
		Middle	1962.50	26.89	21.20	48.09	64.36	
		High	1992.50	26.95	21.20	48.15	65.33	
	16QAM	Low	1932.50	26.98	21.20	48.18	65.76	
		Middle	1962.50	26.92	21.20	48.12	64.90	
		High	1992.50	26.83	21.20	48.03	63.54	
	64QAM	Low	1932.50	26.98	21.20	48.18	65.76	
		Middle	1962.50	26.94	21.20	48.14	65.23	
		High	1992.50	26.98	21.20	48.18	65.76	
	256QAM	Low	1932.50	27.00	21.20	48.20	66.10	
		Middle	1962.50	26.87	21.20	48.07	64.11	
		High	1992.50	27.00	21.20	48.20	66.05	
Port 7	QPSK	Low	1932.50	27.17	21.20	48.37	68.78	1640
		Middle	1962.50	27.19	21.20	48.39	68.97	
		High	1992.50	27.09	21.20	48.29	67.41	
	16QAM	Low	1932.50	27.20	21.20	48.40	69.25	
		Middle	1962.50	27.10	21.20	48.30	67.58	
		High	1992.50	27.20	21.20	48.40	69.19	
	64QAM	Low	1932.50	27.19	21.20	48.39	69.08	
		Middle	1962.50	27.15	21.20	48.35	68.34	
		High	1992.50	27.12	21.20	48.32	68.00	
	256QAM	Low	1932.50	27.16	21.20	48.36	68.59	
		Middle	1962.50	27.21	21.20	48.41	69.40	
		High	1992.50	27.16	21.20	48.36	68.58	
Port 8	QPSK	Low	1932.50	27.10	21.20	48.30	67.65	1640
		Middle	1962.50	27.26	21.20	48.46	70.17	
		High	1992.50	27.02	21.20	48.22	66.41	
	16QAM	Low	1932.50	27.32	21.20	48.52	71.05	
		Middle	1962.50	27.21	21.20	48.41	69.33	
		High	1992.50	27.17	21.20	48.37	68.68	
	64QAM	Low	1932.50	27.23	21.20	48.43	69.60	
		Middle	1962.50	27.26	21.20	48.46	70.19	
		High	1992.50	27.18	21.20	48.38	68.86	
	256QAM	Low	1932.50	27.24	21.20	48.44	69.80	
		Middle	1962.50	27.21	21.20	48.41	69.34	
		High	1992.50	27.09	21.20	48.29	67.52	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	Low	1932.50	27.00	21.20	48.20	66.04	1640
		Middle	1962.50	27.20	21.20	48.40	69.13	
		High	1992.50	27.12	21.20	48.32	67.97	
	16QAM	Low	1932.50	27.08	21.20	48.28	67.28	
		Middle	1962.50	27.04	21.20	48.24	66.68	
		High	1992.50	27.17	21.20	48.37	68.68	
	64QAM	Low	1932.50	27.07	21.20	48.27	67.08	
		Middle	1962.50	27.21	21.20	48.41	69.34	
		High	1992.50	27.18	21.20	48.38	68.82	
	256QAM	Low	1932.50	27.09	21.20	48.29	67.44	
		Middle	1962.50	27.21	21.20	48.41	69.40	
		High	1992.50	27.14	21.20	48.34	68.31	
Port 10	QPSK	Low	1932.50	27.08	21.20	48.28	67.28	1640
		Middle	1962.50	27.06	21.20	48.26	66.98	
		High	1992.50	26.95	21.20	48.15	65.24	
	16QAM	Low	1932.50	27.05	21.20	48.25	66.82	
		Middle	1962.50	27.08	21.20	48.28	67.23	
		High	1992.50	27.05	21.20	48.25	66.83	
	64QAM	Low	1932.50	27.12	21.20	48.32	67.87	
		Middle	1962.50	27.14	21.20	48.34	68.17	
		High	1992.50	27.08	21.20	48.28	67.34	
	256QAM	Low	1932.50	26.99	21.20	48.19	65.91	
		Middle	1962.50	27.22	21.20	48.42	69.50	
		High	1992.50	26.95	21.20	48.15	65.36	
Port 11	QPSK	Low	1932.50	27.03	21.20	48.23	66.46	1640
		Middle	1962.50	27.13	21.20	48.33	68.15	
		High	1992.50	27.09	21.20	48.29	67.39	
	16QAM	Low	1932.50	27.21	21.20	48.41	69.40	
		Middle	1962.50	26.98	21.20	48.18	65.73	
		High	1992.50	27.04	21.20	48.24	66.71	
	64QAM	Low	1932.50	27.06	21.20	48.26	66.94	
		Middle	1962.50	27.16	21.20	48.36	68.62	
		High	1992.50	27.09	21.20	48.29	67.42	
	256QAM	Low	1932.50	26.99	21.20	48.19	65.98	
		Middle	1962.50	27.11	21.20	48.31	67.70	
		High	1992.50	27.07	21.20	48.27	67.10	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 12	QPSK	Low	1932.50	26.94	21.20	48.14	65.15	1640
		Middle	1962.50	27.00	21.20	48.20	66.09	
		High	1992.50	26.92	21.20	48.12	64.85	
	16QAM	Low	1932.50	27.12	21.20	48.32	67.88	
		Middle	1962.50	26.99	21.20	48.19	65.88	
		High	1992.50	26.98	21.20	48.18	65.80	
	64QAM	Low	1932.50	26.98	21.20	48.18	65.69	
		Middle	1962.50	27.07	21.20	48.27	67.15	
		High	1992.50	26.88	21.20	48.08	64.32	
	256QAM	Low	1932.50	27.07	21.20	48.27	67.12	
		Middle	1962.50	27.03	21.20	48.23	66.45	
		High	1992.50	26.94	21.20	48.14	65.11	
Port 13	QPSK	Low	1932.50	27.20	21.20	48.40	69.26	1640
		Middle	1962.50	27.28	21.20	48.48	70.42	
		High	1992.50	27.20	21.20	48.40	69.18	
	16QAM	Low	1932.50	27.24	21.20	48.44	69.87	
		Middle	1962.50	27.12	21.20	48.32	67.87	
		High	1992.50	27.21	21.20	48.41	69.40	
	64QAM	Low	1932.50	27.19	21.20	48.39	68.95	
		Middle	1962.50	27.25	21.20	48.45	70.01	
		High	1992.50	27.20	21.20	48.40	69.14	
	256QAM	Low	1932.50	27.17	21.20	48.37	68.72	
		Middle	1962.50	27.27	21.20	48.47	70.27	
		High	1992.50	27.15	21.20	48.35	68.35	
Port 14	QPSK	Low	1932.50	27.06	21.20	48.26	66.96	1640
		Middle	1962.50	27.20	21.20	48.40	69.14	
		High	1992.50	27.15	21.20	48.35	68.32	
	16QAM	Low	1932.50	27.28	21.20	48.48	70.51	
		Middle	1962.50	27.18	21.20	48.38	68.89	
		High	1992.50	27.20	21.20	48.40	69.14	
	64QAM	Low	1932.50	27.14	21.20	48.34	68.17	
		Middle	1962.50	27.24	21.20	48.44	69.80	
		High	1992.50	27.12	21.20	48.32	67.90	
	256QAM	Low	1932.50	27.13	21.20	48.33	68.08	
		Middle	1962.50	27.21	21.20	48.41	69.42	
		High	1992.50	27.26	21.20	48.46	70.09	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 15	QPSK	Low	1932.50	27.30	21.20	48.50	70.82	1640
		Middle	1962.50	27.06	21.20	48.26	67.02	
		High	1992.50	27.20	21.20	48.40	69.12	
	16QAM	Low	1932.50	27.28	21.20	48.48	70.45	
		Middle	1962.50	27.06	21.20	48.26	67.04	
		High	1992.50	27.14	21.20	48.34	68.19	
	64QAM	Low	1932.50	27.22	21.20	48.42	69.54	
		Middle	1962.50	27.15	21.20	48.35	68.44	
		High	1992.50	27.09	21.20	48.29	67.47	
	256QAM	Low	1932.50	27.19	21.20	48.39	68.97	
		Middle	1962.50	27.27	21.20	48.47	70.36	
		High	1992.50	27.09	21.20	48.29	67.49	
Port 16	QPSK	Low	1932.50	27.18	21.20	48.38	68.90	1640
		Middle	1962.50	27.27	21.20	48.47	70.31	
		High	1992.50	27.12	21.20	48.32	67.92	
	16QAM	Low	1932.50	27.28	21.20	48.48	70.44	
		Middle	1962.50	27.04	21.20	48.24	66.68	
		High	1992.50	27.17	21.20	48.37	68.65	
	64QAM	Low	1932.50	27.11	21.20	48.31	67.80	
		Middle	1962.50	27.16	21.20	48.36	68.53	
		High	1992.50	27.20	21.20	48.40	69.15	
	256QAM	Low	1932.50	27.10	21.20	48.30	67.62	
		Middle	1962.50	27.24	21.20	48.44	69.78	
		High	1992.50	27.14	21.20	48.34	68.25	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1932.50	40.91	41.61	41.20	40.97
1962.50	41.26	40.42	41.43	41.50
1992.50	40.99	41.29	41.05	41.08

Frequency (MHz)	Output Power (E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
1932.50	1078.59	1096.96	1086.29	1080.14	1640
1962.50	1087.86	1065.58	1092.25	1094.05	
1992.50	1080.77	1088.51	1082.29	1083.06	

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Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	Low	1935.00	27.28	21.20	48.48	70.43	1640
		Middle	1962.50	27.24	21.20	48.44	69.89	
		High	1990.00	27.46	21.20	48.66	73.51	
	16QAM	Low	1935.00	27.53	21.20	48.73	74.72	
		Middle	1962.50	27.18	21.20	48.38	68.88	
		High	1990.00	27.43	21.20	48.63	73.02	
	64QAM	Low	1935.00	27.25	21.20	48.45	70.05	
		Middle	1962.50	27.22	21.20	48.42	69.55	
		High	1990.00	27.35	21.20	48.55	71.67	
	256QAM	Low	1935.00	27.27	21.20	48.47	70.27	
		Middle	1962.50	27.22	21.20	48.42	69.53	
		High	1990.00	27.35	21.20	48.55	71.59	
Port 2	QPSK	Low	1935.00	27.34	21.20	48.54	71.48	1640
		Middle	1962.50	27.20	21.20	48.40	69.21	
		High	1990.00	27.39	21.20	48.59	72.22	
	16QAM	Low	1935.00	27.43	21.20	48.63	73.02	
		Middle	1962.50	27.28	21.20	48.48	70.43	
		High	1990.00	27.35	21.20	48.55	71.55	
	64QAM	Low	1935.00	27.36	21.20	48.56	71.76	
		Middle	1962.50	27.17	21.20	48.37	68.67	
		High	1990.00	27.31	21.20	48.51	70.97	
	256QAM	Low	1935.00	27.30	21.20	48.50	70.85	
		Middle	1962.50	27.26	21.20	48.46	70.10	
		High	1990.00	27.38	21.20	48.58	72.07	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 3	QPSK	Low	1935.00	27.28	21.20	48.48	70.45	1640
		Middle	1962.50	27.25	21.20	48.45	70.03	
		High	1990.00	27.29	21.20	48.49	70.66	
	16QAM	Low	1935.00	27.40	21.20	48.60	72.38	
		Middle	1962.50	27.28	21.20	48.48	70.51	
		High	1990.00	27.25	21.20	48.45	69.98	
	64QAM	Low	1935.00	27.32	21.20	48.52	71.06	
		Middle	1962.50	27.28	21.20	48.48	70.50	
		High	1990.00	27.33	21.20	48.53	71.36	
	256QAM	Low	1935.00	27.31	21.20	48.51	70.93	
		Middle	1962.50	27.15	21.20	48.35	68.41	
		High	1990.00	27.27	21.20	48.47	70.27	
Port 4	QPSK	Low	1935.00	27.27	21.20	48.47	70.37	1640
		Middle	1962.50	27.20	21.20	48.40	69.24	
		High	1990.00	27.36	21.20	48.56	71.73	
	16QAM	Low	1935.00	27.40	21.20	48.60	72.42	
		Middle	1962.50	27.05	21.20	48.25	66.88	
		High	1990.00	27.40	21.20	48.60	72.37	
	64QAM	Low	1935.00	27.34	21.20	48.54	71.50	
		Middle	1962.50	27.23	21.20	48.43	69.67	
		High	1990.00	27.37	21.20	48.57	72.02	
	256QAM	Low	1935.00	27.30	21.20	48.50	70.76	
		Middle	1962.50	27.23	21.20	48.43	69.60	
		High	1990.00	27.32	21.20	48.52	71.17	
Port 5	QPSK	Low	1935.00	27.49	21.20	48.69	73.89	1640
		Middle	1962.50	27.30	21.20	48.50	70.75	
		High	1990.00	27.43	21.20	48.63	72.87	
	16QAM	Low	1935.00	27.56	21.20	48.76	75.14	
		Middle	1962.50	27.20	21.20	48.40	69.22	
		High	1990.00	27.49	21.20	48.69	73.96	
	64QAM	Low	1935.00	27.41	21.20	48.61	72.55	
		Middle	1962.50	27.30	21.20	48.50	70.77	
		High	1990.00	27.35	21.20	48.55	71.62	
	256QAM	Low	1935.00	27.37	21.20	48.57	72.02	
		Middle	1962.50	27.33	21.20	48.53	71.23	
		High	1990.00	27.40	21.20	48.60	72.39	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 6	QPSK	Low	1935.00	27.21	21.20	48.41	69.31	1640
		Middle	1962.50	27.13	21.20	48.33	68.06	
		High	1990.00	27.20	21.20	48.40	69.15	
	16QAM	Low	1935.00	27.29	21.20	48.49	70.68	
		Middle	1962.50	27.08	21.20	48.28	67.30	
		High	1990.00	27.16	21.20	48.36	68.48	
	64QAM	Low	1935.00	27.22	21.20	48.42	69.44	
		Middle	1962.50	27.09	21.20	48.29	67.47	
		High	1990.00	27.20	21.20	48.40	69.15	
	256QAM	Low	1935.00	27.13	21.20	48.33	68.15	
		Middle	1962.50	27.06	21.20	48.26	67.01	
		High	1990.00	27.14	21.20	48.34	68.19	
Port 7	QPSK	Low	1935.00	27.49	21.20	48.69	73.88	1640
		Middle	1962.50	27.44	21.20	48.64	73.16	
		High	1990.00	27.42	21.20	48.62	72.83	
	16QAM	Low	1935.00	27.43	21.20	48.63	72.94	
		Middle	1962.50	27.43	21.20	48.63	72.89	
		High	1990.00	27.39	21.20	48.59	72.20	
	64QAM	Low	1935.00	27.44	21.20	48.64	73.12	
		Middle	1962.50	27.39	21.20	48.59	72.35	
		High	1990.00	27.47	21.20	48.67	73.66	
	256QAM	Low	1935.00	27.48	21.20	48.68	73.81	
		Middle	1962.50	27.42	21.20	48.62	72.84	
		High	1990.00	27.42	21.20	48.62	72.81	
Port 8	QPSK	Low	1935.00	27.49	21.20	48.69	73.92	1640
		Middle	1962.50	27.42	21.20	48.62	72.73	
		High	1990.00	27.48	21.20	48.68	73.81	
	16QAM	Low	1935.00	27.51	21.20	48.71	74.32	
		Middle	1962.50	27.32	21.20	48.52	71.14	
		High	1990.00	27.56	21.20	48.76	75.23	
	64QAM	Low	1935.00	27.50	21.20	48.70	74.07	
		Middle	1962.50	27.31	21.20	48.51	71.02	
		High	1990.00	27.48	21.20	48.68	73.82	
	256QAM	Low	1935.00	27.44	21.20	48.64	73.13	
		Middle	1962.50	27.38	21.20	48.58	72.19	
		High	1990.00	27.37	21.20	48.57	71.93	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	Low	1935.00	27.42	21.20	48.62	72.83	1640
		Middle	1962.50	27.31	21.20	48.51	70.96	
		High	1990.00	27.36	21.20	48.56	71.86	
	16QAM	Low	1935.00	27.49	21.20	48.69	73.93	
		Middle	1962.50	27.29	21.20	48.49	70.56	
		High	1990.00	27.39	21.20	48.59	72.27	
	64QAM	Low	1935.00	27.37	21.20	48.57	71.98	
		Middle	1962.50	27.29	21.20	48.49	70.64	
		High	1990.00	27.48	21.20	48.68	73.81	
	256QAM	Low	1935.00	27.45	21.20	48.65	73.23	
		Middle	1962.50	27.36	21.20	48.56	71.70	
		High	1990.00	27.47	21.20	48.67	73.67	
Port 10	QPSK	Low	1935.00	27.36	21.20	48.56	71.83	1640
		Middle	1962.50	27.22	21.20	48.42	69.57	
		High	1990.00	27.32	21.20	48.52	71.05	
	16QAM	Low	1935.00	27.48	21.20	48.68	73.76	
		Middle	1962.50	27.24	21.20	48.44	69.81	
		High	1990.00	27.32	21.20	48.52	71.18	
	64QAM	Low	1935.00	27.30	21.20	48.50	70.81	
		Middle	1962.50	27.21	21.20	48.41	69.28	
		High	1990.00	27.34	21.20	48.54	71.48	
	256QAM	Low	1935.00	27.32	21.20	48.52	71.10	
		Middle	1962.50	27.27	21.20	48.47	70.29	
		High	1990.00	27.31	21.20	48.51	70.89	
Port 11	QPSK	Low	1935.00	27.32	21.20	48.52	71.05	1640
		Middle	1962.50	27.32	21.20	48.52	71.12	
		High	1990.00	27.34	21.20	48.54	71.53	
	16QAM	Low	1935.00	27.41	21.20	48.61	72.65	
		Middle	1962.50	27.24	21.20	48.44	69.77	
		High	1990.00	27.39	21.20	48.59	72.30	
	64QAM	Low	1935.00	27.35	21.20	48.55	71.59	
		Middle	1962.50	27.31	21.20	48.51	70.96	
		High	1990.00	27.40	21.20	48.60	72.46	
	256QAM	Low	1935.00	27.29	21.20	48.49	70.59	
		Middle	1962.50	27.30	21.20	48.50	70.77	
		High	1990.00	27.33	21.20	48.53	71.33	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 12	QPSK	Low	1935.00	27.28	21.20	48.48	70.51	1640
		Middle	1962.50	27.04	21.20	48.24	66.64	
		High	1990.00	27.18	21.20	48.38	68.83	
	16QAM	Low	1935.00	27.23	21.20	48.43	69.73	
		Middle	1962.50	27.09	21.20	48.29	67.39	
		High	1990.00	27.17	21.20	48.37	68.68	
	64QAM	Low	1935.00	27.28	21.20	48.48	70.52	
		Middle	1962.50	27.12	21.20	48.32	67.88	
		High	1990.00	27.17	21.20	48.37	68.76	
	256QAM	Low	1935.00	27.31	21.20	48.51	70.94	
		Middle	1962.50	27.13	21.20	48.33	68.09	
		High	1990.00	27.15	21.20	48.35	68.32	
Port 13	QPSK	Low	1935.00	27.52	21.20	48.72	74.40	1640
		Middle	1962.50	27.39	21.20	48.59	72.35	
		High	1990.00	27.50	21.20	48.70	74.06	
	16QAM	Low	1935.00	27.62	21.20	48.82	76.17	
		Middle	1962.50	27.30	21.20	48.50	70.82	
		High	1990.00	27.50	21.20	48.70	74.21	
	64QAM	Low	1935.00	27.49	21.20	48.69	73.88	
		Middle	1962.50	27.41	21.20	48.61	72.63	
		High	1990.00	27.54	21.20	48.74	74.89	
	256QAM	Low	1935.00	27.54	21.20	48.74	74.81	
		Middle	1962.50	27.43	21.20	48.63	72.89	
		High	1990.00	27.57	21.20	48.77	75.37	
Port 14	QPSK	Low	1935.00	27.50	21.20	48.70	74.18	1640
		Middle	1962.50	27.35	21.20	48.55	71.60	
		High	1990.00	27.46	21.20	48.66	73.49	
	16QAM	Low	1935.00	27.56	21.20	48.76	75.12	
		Middle	1962.50	27.38	21.20	48.58	72.08	
		High	1990.00	27.45	21.20	48.65	73.21	
	64QAM	Low	1935.00	27.44	21.20	48.64	73.20	
		Middle	1962.50	27.40	21.20	48.60	72.48	
		High	1990.00	27.47	21.20	48.67	73.70	
	256QAM	Low	1935.00	27.49	21.20	48.69	73.96	
		Middle	1962.50	27.39	21.20	48.59	72.32	
		High	1990.00	27.47	21.20	48.67	73.54	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 15	QPSK	Low	1935.00	27.49	21.20	48.69	73.89	1640
		Middle	1962.50	27.30	21.20	48.50	70.79	
		High	1990.00	27.47	21.20	48.67	73.64	
	16QAM	Low	1935.00	27.57	21.20	48.77	75.31	
		Middle	1962.50	27.30	21.20	48.50	70.85	
		High	1990.00	27.41	21.20	48.61	72.65	
	64QAM	Low	1935.00	27.61	21.20	48.81	75.99	
		Middle	1962.50	27.34	21.20	48.54	71.38	
		High	1990.00	27.43	21.20	48.63	72.90	
	256QAM	Low	1935.00	27.49	21.20	48.69	74.04	
		Middle	1962.50	27.30	21.20	48.50	70.75	
		High	1990.00	27.52	21.20	48.72	74.53	
Port 16	QPSK	Low	1935.00	27.41	21.20	48.61	72.53	1640
		Middle	1962.50	27.35	21.20	48.55	71.60	
		High	1990.00	27.35	21.20	48.55	71.56	
	16QAM	Low	1935.00	27.55	21.20	48.75	74.93	
		Middle	1962.50	27.26	21.20	48.46	70.09	
		High	1990.00	27.29	21.20	48.49	70.62	
	64QAM	Low	1935.00	27.46	21.20	48.66	73.46	
		Middle	1962.50	27.30	21.20	48.50	70.83	
		High	1990.00	27.32	21.20	48.52	71.06	
	256QAM	Low	1935.00	27.45	21.20	48.65	73.28	
		Middle	1962.50	27.33	21.20	48.53	71.27	
		High	1990.00	27.29	21.20	48.49	70.69	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1935.00	87.61	89.30	87.61	87.38
1962.50	85.54	84.86	85.42	85.64
1990.00	87.45	87.38	87.49	87.14

Frequency (MHz)	Output Power (E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
1935.00	1154.95	1177.19	1155.00	1151.88	1640
1962.50	1127.71	1118.61	1126.06	1128.99	
1990.00	1152.80	1151.91	1153.32	1148.76	

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Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	Low	1937.50	27.39	21.20	48.59	72.26	1640
		Middle	1962.50	27.22	21.20	48.42	69.43	
		High	1987.50	27.09	21.20	48.29	67.48	
	16QAM	Low	1937.50	27.53	21.20	48.73	74.56	
		Middle	1962.50	27.33	21.20	48.53	71.28	
		High	1987.50	27.26	21.20	48.46	70.17	
	64QAM	Low	1937.50	27.27	21.20	48.47	70.24	
		Middle	1962.50	27.20	21.20	48.40	69.18	
		High	1987.50	27.26	21.20	48.46	70.18	
	256QAM	Low	1937.50	27.27	21.20	48.47	70.25	
		Middle	1962.50	27.29	21.20	48.49	70.66	
		High	1987.50	27.22	21.20	48.42	69.45	
Port 2	QPSK	Low	1937.50	27.27	21.20	48.47	70.29	1640
		Middle	1962.50	27.19	21.20	48.39	69.07	
		High	1987.50	27.06	21.20	48.26	67.06	
	16QAM	Low	1937.50	27.49	21.20	48.69	73.90	
		Middle	1962.50	27.25	21.20	48.45	69.91	
		High	1987.50	27.15	21.20	48.35	68.39	
	64QAM	Low	1937.50	27.34	21.20	48.54	71.41	
		Middle	1962.50	27.18	21.20	48.38	68.79	
		High	1987.50	27.15	21.20	48.35	68.44	
	256QAM	Low	1937.50	27.28	21.20	48.48	70.54	
		Middle	1962.50	27.18	21.20	48.38	68.84	
		High	1987.50	27.21	21.20	48.41	69.41	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 3	QPSK	Low	1937.50	27.27	21.20	48.47	70.29	1640
		Middle	1962.50	27.22	21.20	48.42	69.47	
		High	1987.50	27.07	21.20	48.27	67.17	
	16QAM	Low	1937.50	27.45	21.20	48.65	73.22	
		Middle	1962.50	27.26	21.20	48.46	70.20	
		High	1987.50	27.15	21.20	48.35	68.36	
	64QAM	Low	1937.50	27.28	21.20	48.48	70.46	
		Middle	1962.50	27.20	21.20	48.40	69.18	
		High	1987.50	27.22	21.20	48.42	69.56	
	256QAM	Low	1937.50	27.25	21.20	48.45	70.02	
		Middle	1962.50	27.20	21.20	48.40	69.24	
		High	1987.50	27.23	21.20	48.43	69.60	
Port 4	QPSK	Low	1937.50	27.13	21.20	48.33	68.06	1640
		Middle	1962.50	27.10	21.20	48.30	67.67	
		High	1987.50	27.02	21.20	48.22	66.33	
	16QAM	Low	1937.50	27.39	21.20	48.59	72.25	
		Middle	1962.50	27.27	21.20	48.47	70.34	
		High	1987.50	27.11	21.20	48.31	67.71	
	64QAM	Low	1937.50	27.18	21.20	48.38	68.82	
		Middle	1962.50	27.15	21.20	48.35	68.36	
		High	1987.50	27.14	21.20	48.34	68.21	
	256QAM	Low	1937.50	27.21	21.20	48.41	69.29	
		Middle	1962.50	27.15	21.20	48.35	68.36	
		High	1987.50	27.09	21.20	48.29	67.48	
Port 5	QPSK	Low	1937.50	27.49	21.20	48.69	73.94	1640
		Middle	1962.50	27.28	21.20	48.48	70.47	
		High	1987.50	27.15	21.20	48.35	68.36	
	16QAM	Low	1937.50	27.62	21.20	48.82	76.17	
		Middle	1962.50	27.34	21.20	48.54	71.39	
		High	1987.50	27.20	21.20	48.40	69.26	
	64QAM	Low	1937.50	27.46	21.20	48.66	73.54	
		Middle	1962.50	27.25	21.20	48.45	70.03	
		High	1987.50	27.34	21.20	48.54	71.44	
	256QAM	Low	1937.50	27.46	21.20	48.66	73.52	
		Middle	1962.50	27.30	21.20	48.50	70.74	
		High	1987.50	27.29	21.20	48.49	70.64	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 6	QPSK	Low	1937.50	27.15	21.20	48.35	68.38	1640
		Middle	1962.50	26.99	21.20	48.19	65.91	
		High	1987.50	26.93	21.20	48.13	64.94	
	16QAM	Low	1937.50	27.34	21.20	48.54	71.43	
		Middle	1962.50	27.11	21.20	48.31	67.71	
		High	1987.50	27.00	21.20	48.20	66.07	
	64QAM	Low	1937.50	27.21	21.20	48.41	69.39	
		Middle	1962.50	26.97	21.20	48.17	65.61	
		High	1987.50	27.08	21.20	48.28	67.22	
	256QAM	Low	1937.50	27.26	21.20	48.46	70.13	
		Middle	1962.50	27.03	21.20	48.23	66.54	
		High	1987.50	27.02	21.20	48.22	66.39	
Port 7	QPSK	Low	1937.50	27.54	21.20	48.74	74.80	1640
		Middle	1962.50	27.34	21.20	48.54	71.49	
		High	1987.50	27.08	21.20	48.28	67.25	
	16QAM	Low	1937.50	27.67	21.20	48.87	77.06	
		Middle	1962.50	27.36	21.20	48.56	71.77	
		High	1987.50	27.17	21.20	48.37	68.69	
	64QAM	Low	1937.50	27.45	21.20	48.65	73.26	
		Middle	1962.50	27.37	21.20	48.57	71.92	
		High	1987.50	27.25	21.20	48.45	70.06	
	256QAM	Low	1937.50	27.43	21.20	48.63	72.94	
		Middle	1962.50	27.40	21.20	48.60	72.41	
		High	1987.50	27.25	21.20	48.45	70.03	
Port 8	QPSK	Low	1937.50	27.47	21.20	48.67	73.61	1640
		Middle	1962.50	27.36	21.20	48.56	71.70	
		High	1987.50	27.12	21.20	48.32	67.97	
	16QAM	Low	1937.50	27.62	21.20	48.82	76.26	
		Middle	1962.50	27.43	21.20	48.63	73.00	
		High	1987.50	27.26	21.20	48.46	70.07	
	64QAM	Low	1937.50	27.48	21.20	48.68	73.82	
		Middle	1962.50	27.34	21.20	48.54	71.48	
		High	1987.50	27.19	21.20	48.39	69.09	
	256QAM	Low	1937.50	27.42	21.20	48.62	72.80	
		Middle	1962.50	27.35	21.20	48.55	71.59	
		High	1987.50	27.30	21.20	48.50	70.86	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	Low	1937.50	27.38	21.20	48.58	72.10	1640
		Middle	1962.50	27.30	21.20	48.50	70.82	
		High	1987.50	27.08	21.20	48.28	67.36	
	16QAM	Low	1937.50	27.58	21.20	48.78	75.48	
		Middle	1962.50	27.39	21.20	48.59	72.34	
		High	1987.50	27.21	21.20	48.41	69.28	
	64QAM	Low	1937.50	27.40	21.20	48.60	72.42	
		Middle	1962.50	27.32	21.20	48.52	71.05	
		High	1987.50	27.31	21.20	48.51	70.99	
	256QAM	Low	1937.50	27.42	21.20	48.62	72.72	
		Middle	1962.50	27.33	21.20	48.53	71.27	
		High	1987.50	27.25	21.20	48.45	69.99	
Port 10	QPSK	Low	1937.50	27.35	21.20	48.55	71.60	1640
		Middle	1962.50	27.18	21.20	48.38	68.91	
		High	1987.50	26.92	21.20	48.12	64.93	
	16QAM	Low	1937.50	27.50	21.20	48.70	74.08	
		Middle	1962.50	27.29	21.20	48.49	70.59	
		High	1987.50	27.15	21.20	48.35	68.35	
	64QAM	Low	1937.50	27.39	21.20	48.59	72.30	
		Middle	1962.50	27.18	21.20	48.38	68.88	
		High	1987.50	27.18	21.20	48.38	68.93	
	256QAM	Low	1937.50	27.31	21.20	48.51	71.00	
		Middle	1962.50	27.23	21.20	48.43	69.68	
		High	1987.50	27.13	21.20	48.33	68.05	
Port 11	QPSK	Low	1937.50	27.33	21.20	48.53	71.27	1640
		Middle	1962.50	27.26	21.20	48.46	70.22	
		High	1987.50	26.93	21.20	48.13	65.01	
	16QAM	Low	1937.50	27.50	21.20	48.70	74.05	
		Middle	1962.50	27.35	21.20	48.55	71.56	
		High	1987.50	27.02	21.20	48.22	66.30	
	64QAM	Low	1937.50	27.29	21.20	48.49	70.60	
		Middle	1962.50	27.29	21.20	48.49	70.56	
		High	1987.50	27.13	21.20	48.33	68.15	
	256QAM	Low	1937.50	27.32	21.20	48.52	71.04	
		Middle	1962.50	27.24	21.20	48.44	69.86	
		High	1987.50	27.16	21.20	48.36	68.49	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 12	QPSK	Low	1937.50	27.28	21.20	48.48	70.45	1640
		Middle	1962.50	27.03	21.20	48.23	66.55	
		High	1987.50	26.90	21.20	48.10	64.56	
	16QAM	Low	1937.50	27.33	21.20	48.53	71.29	
		Middle	1962.50	27.18	21.20	48.38	68.83	
		High	1987.50	27.00	21.20	48.20	66.07	
	64QAM	Low	1937.50	27.20	21.20	48.40	69.11	
		Middle	1962.50	27.03	21.20	48.23	66.56	
		High	1987.50	27.08	21.20	48.28	67.36	
	256QAM	Low	1937.50	27.25	21.20	48.45	70.00	
		Middle	1962.50	27.06	21.20	48.26	66.91	
		High	1987.50	27.04	21.20	48.24	66.65	
Port 13	QPSK	Low	1937.50	27.50	21.20	48.70	74.12	1640
		Middle	1962.50	27.42	21.20	48.62	72.82	
		High	1987.50	27.18	21.20	48.38	68.85	
	16QAM	Low	1937.50	27.66	21.20	48.86	77.00	
		Middle	1962.50	27.53	21.20	48.73	74.70	
		High	1987.50	27.26	21.20	48.46	70.17	
	64QAM	Low	1937.50	27.54	21.20	48.74	74.75	
		Middle	1962.50	27.37	21.20	48.57	71.86	
		High	1987.50	27.37	21.20	48.57	71.90	
	256QAM	Low	1937.50	27.55	21.20	48.75	75.06	
		Middle	1962.50	27.39	21.20	48.59	72.30	
		High	1987.50	27.30	21.20	48.50	70.81	
Port 14	QPSK	Low	1937.50	27.44	21.20	48.64	73.10	1640
		Middle	1962.50	27.32	21.20	48.52	71.16	
		High	1987.50	27.13	21.20	48.33	68.04	
	16QAM	Low	1937.50	27.63	21.20	48.83	76.32	
		Middle	1962.50	27.45	21.20	48.65	73.29	
		High	1987.50	27.19	21.20	48.39	69.03	
	64QAM	Low	1937.50	27.45	21.20	48.65	73.36	
		Middle	1962.50	27.33	21.20	48.53	71.35	
		High	1987.50	27.27	21.20	48.47	70.30	
	256QAM	Low	1937.50	27.49	21.20	48.69	73.98	
		Middle	1962.50	27.32	21.20	48.52	71.16	
		High	1987.50	27.23	21.20	48.43	69.74	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 15	QPSK	Low	1937.50	27.48	21.20	48.68	73.77	1640
		Middle	1962.50	27.30	21.20	48.50	70.81	
		High	1987.50	27.14	21.20	48.34	68.23	
	16QAM	Low	1937.50	27.61	21.20	48.81	75.99	
		Middle	1962.50	27.41	21.20	48.61	72.57	
		High	1987.50	27.24	21.20	48.44	69.84	
	64QAM	Low	1937.50	27.56	21.20	48.76	75.14	
		Middle	1962.50	27.24	21.20	48.44	69.83	
		High	1987.50	27.33	21.20	48.53	71.32	
	256QAM	Low	1937.50	27.46	21.20	48.66	73.47	
		Middle	1962.50	27.30	21.20	48.50	70.80	
		High	1987.50	27.33	21.20	48.53	71.29	
Port 16	QPSK	Low	1937.50	27.45	21.20	48.65	73.27	1640
		Middle	1962.50	27.30	21.20	48.50	70.71	
		High	1987.50	27.06	21.20	48.26	67.06	
	16QAM	Low	1937.50	27.58	21.20	48.78	75.55	
		Middle	1962.50	27.32	21.20	48.52	71.18	
		High	1987.50	27.13	21.20	48.33	68.02	
	64QAM	Low	1937.50	27.48	21.20	48.68	73.83	
		Middle	1962.50	27.29	21.20	48.49	70.65	
		High	1987.50	27.22	21.20	48.42	69.43	
	256QAM	Low	1937.50	27.49	21.20	48.69	73.90	
		Middle	1962.50	27.29	21.20	48.49	70.68	
		High	1987.50	27.23	21.20	48.43	69.70	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1937.50	131.00	135.93	131.13	130.93
1962.50	127.13	129.79	126.91	127.55
1987.50	121.82	124.68	126.60	126.14

Frequency (MHz)	Output Power (E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
1937.50	1151.31	1194.62	1152.45	1150.65	1640
1962.50	1117.22	1140.67	1115.30	1121.02	
1987.50	1070.61	1095.77	1112.57	1108.59	

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Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	Low	1940.00	27.14	21.20	48.34	68.19	1640
		Middle	1962.50	27.21	21.20	48.41	69.33	
		High	1985.00	27.23	21.20	48.43	69.69	
	16QAM	Low	1940.00	27.33	21.20	48.53	71.36	
		Middle	1962.50	27.19	21.20	48.39	69.07	
		High	1985.00	27.31	21.20	48.51	70.89	
	64QAM	Low	1940.00	27.42	21.20	48.62	72.76	
		Middle	1962.50	27.28	21.20	48.48	70.54	
		High	1985.00	27.42	21.20	48.62	72.77	
	256QAM	Low	1940.00	27.45	21.20	48.65	73.32	
		Middle	1962.50	27.28	21.20	48.48	70.48	
		High	1985.00	27.44	21.20	48.64	73.13	
Port 2	QPSK	Low	1940.00	27.14	21.20	48.34	68.27	1640
		Middle	1962.50	27.15	21.20	48.35	68.43	
		High	1985.00	27.28	21.20	48.48	70.46	
	16QAM	Low	1940.00	27.31	21.20	48.51	70.97	
		Middle	1962.50	27.19	21.20	48.39	68.97	
		High	1985.00	27.28	21.20	48.48	70.55	
	64QAM	Low	1940.00	27.36	21.20	48.56	71.76	
		Middle	1962.50	27.25	21.20	48.45	70.04	
		High	1985.00	27.35	21.20	48.55	71.57	
	256QAM	Low	1940.00	27.40	21.20	48.60	72.41	
		Middle	1962.50	27.29	21.20	48.49	70.58	
		High	1985.00	27.38	21.20	48.58	72.11	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 3	QPSK	Low	1940.00	27.10	21.20	48.30	67.57	1640
		Middle	1962.50	27.15	21.20	48.35	68.35	
		High	1985.00	27.26	21.20	48.46	70.12	
	16QAM	Low	1940.00	27.32	21.20	48.52	71.05	
		Middle	1962.50	27.22	21.20	48.42	69.55	
		High	1985.00	27.26	21.20	48.46	70.09	
	64QAM	Low	1940.00	27.41	21.20	48.61	72.61	
		Middle	1962.50	27.24	21.20	48.44	69.87	
		High	1985.00	27.36	21.20	48.56	71.71	
	256QAM	Low	1940.00	27.38	21.20	48.58	72.05	
		Middle	1962.50	27.27	21.20	48.47	70.38	
		High	1985.00	27.34	21.20	48.54	71.49	
Port 4	QPSK	Low	1940.00	27.04	21.20	48.24	66.64	1640
		Middle	1962.50	27.05	21.20	48.25	66.78	
		High	1985.00	27.26	21.20	48.46	70.19	
	16QAM	Low	1940.00	27.26	21.20	48.46	70.11	
		Middle	1962.50	27.10	21.20	48.30	67.62	
		High	1985.00	27.30	21.20	48.50	70.77	
	64QAM	Low	1940.00	27.37	21.20	48.57	72.01	
		Middle	1962.50	27.17	21.20	48.37	68.78	
		High	1985.00	27.30	21.20	48.50	70.85	
	256QAM	Low	1940.00	27.31	21.20	48.51	70.93	
		Middle	1962.50	27.16	21.20	48.36	68.52	
		High	1985.00	27.34	21.20	48.54	71.45	
Port 5	QPSK	Low	1940.00	27.24	21.20	48.44	69.88	1640
		Middle	1962.50	27.24	21.20	48.44	69.81	
		High	1985.00	27.33	21.20	48.53	71.28	
	16QAM	Low	1940.00	27.45	21.20	48.65	73.29	
		Middle	1962.50	27.33	21.20	48.53	71.26	
		High	1985.00	27.35	21.20	48.55	71.66	
	64QAM	Low	1940.00	27.47	21.20	48.67	73.54	
		Middle	1962.50	27.32	21.20	48.52	71.15	
		High	1985.00	27.47	21.20	48.67	73.55	
	256QAM	Low	1940.00	27.46	21.20	48.66	73.37	
		Middle	1962.50	27.32	21.20	48.52	71.09	
		High	1985.00	27.43	21.20	48.63	72.98	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 6	QPSK	Low	1940.00	27.00	21.20	48.20	66.02	1640
		Middle	1962.50	26.96	21.20	48.16	65.44	
		High	1985.00	27.13	21.20	48.33	68.03	
	16QAM	Low	1940.00	27.20	21.20	48.40	69.15	
		Middle	1962.50	26.99	21.20	48.19	65.91	
		High	1985.00	27.12	21.20	48.32	67.87	
	64QAM	Low	1940.00	27.23	21.20	48.43	69.70	
		Middle	1962.50	27.06	21.20	48.26	66.91	
		High	1985.00	27.22	21.20	48.42	69.56	
	256QAM	Low	1940.00	27.25	21.20	48.45	69.97	
		Middle	1962.50	27.12	21.20	48.32	67.85	
		High	1985.00	27.28	21.20	48.48	70.44	
Port 7	QPSK	Low	1940.00	27.30	21.20	48.50	70.86	1640
		Middle	1962.50	27.37	21.20	48.57	71.89	
		High	1985.00	27.44	21.20	48.64	73.15	
	16QAM	Low	1940.00	27.43	21.20	48.63	73.00	
		Middle	1962.50	27.34	21.20	48.54	71.47	
		High	1985.00	27.44	21.20	48.64	73.19	
	64QAM	Low	1940.00	27.54	21.20	48.74	74.88	
		Middle	1962.50	27.45	21.20	48.65	73.31	
		High	1985.00	27.50	21.20	48.70	74.18	
	256QAM	Low	1940.00	27.54	21.20	48.74	74.89	
		Middle	1962.50	27.41	21.20	48.61	72.58	
		High	1985.00	27.52	21.20	48.72	74.51	
Port 8	QPSK	Low	1940.00	27.22	21.20	48.42	69.55	1640
		Middle	1962.50	27.24	21.20	48.44	69.80	
		High	1985.00	27.34	21.20	48.54	71.38	
	16QAM	Low	1940.00	27.38	21.20	48.58	72.19	
		Middle	1962.50	27.33	21.20	48.53	71.25	
		High	1985.00	27.36	21.20	48.56	71.74	
	64QAM	Low	1940.00	27.53	21.20	48.73	74.67	
		Middle	1962.50	27.35	21.20	48.55	71.62	
		High	1985.00	27.46	21.20	48.66	73.49	
	256QAM	Low	1940.00	27.45	21.20	48.65	73.32	
		Middle	1962.50	27.34	21.20	48.54	71.38	
		High	1985.00	27.38	21.20	48.58	72.12	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	Low	1940.00	27.28	21.20	48.48	70.50	1640
		Middle	1962.50	27.28	21.20	48.48	70.47	
		High	1985.00	27.38	21.20	48.58	72.14	
	16QAM	Low	1940.00	27.41	21.20	48.61	72.64	
		Middle	1962.50	27.39	21.20	48.59	72.31	
		High	1985.00	27.41	21.20	48.61	72.58	
	64QAM	Low	1940.00	27.50	21.20	48.70	74.21	
		Middle	1962.50	27.36	21.20	48.56	71.86	
		High	1985.00	27.51	21.20	48.71	74.24	
	256QAM	Low	1940.00	27.46	21.20	48.66	73.44	
		Middle	1962.50	27.35	21.20	48.55	71.67	
		High	1985.00	27.46	21.20	48.66	73.43	
Port 10	QPSK	Low	1940.00	27.12	21.20	48.32	67.94	1640
		Middle	1962.50	27.15	21.20	48.35	68.36	
		High	1985.00	27.28	21.20	48.48	70.55	
	16QAM	Low	1940.00	27.32	21.20	48.52	71.18	
		Middle	1962.50	27.15	21.20	48.35	68.33	
		High	1985.00	27.31	21.20	48.51	71.04	
	64QAM	Low	1940.00	27.39	21.20	48.59	72.20	
		Middle	1962.50	27.28	21.20	48.48	70.45	
		High	1985.00	27.38	21.20	48.58	72.14	
	256QAM	Low	1940.00	27.38	21.20	48.58	72.06	
		Middle	1962.50	27.27	21.20	48.47	70.38	
		High	1985.00	27.45	21.20	48.65	73.21	
Port 11	QPSK	Low	1940.00	26.98	21.20	48.18	65.79	1640
		Middle	1962.50	27.07	21.20	48.27	67.16	
		High	1985.00	27.21	21.20	48.41	69.38	
	16QAM	Low	1940.00	27.22	21.20	48.42	69.49	
		Middle	1962.50	27.08	21.20	48.28	67.30	
		High	1985.00	27.18	21.20	48.38	68.89	
	64QAM	Low	1940.00	27.27	21.20	48.47	70.24	
		Middle	1962.50	27.20	21.20	48.40	69.17	
		High	1985.00	27.34	21.20	48.54	71.48	
	256QAM	Low	1940.00	27.31	21.20	48.51	70.95	
		Middle	1962.50	27.14	21.20	48.34	68.18	
		High	1985.00	27.36	21.20	48.56	71.82	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 12	QPSK	Low	1940.00	27.06	21.20	48.26	67.02	1640
		Middle	1962.50	27.04	21.20	48.24	66.65	
		High	1985.00	27.15	21.20	48.35	68.39	
	16QAM	Low	1940.00	27.18	21.20	48.38	68.94	
		Middle	1962.50	27.00	21.20	48.20	66.07	
		High	1985.00	27.17	21.20	48.37	68.64	
	64QAM	Low	1940.00	27.28	21.20	48.48	70.51	
		Middle	1962.50	27.11	21.20	48.31	67.78	
		High	1985.00	27.20	21.20	48.40	69.26	
	256QAM	Low	1940.00	27.27	21.20	48.47	70.36	
		Middle	1962.50	27.10	21.20	48.30	67.59	
		High	1985.00	27.24	21.20	48.44	69.81	
Port 13	QPSK	Low	1940.00	27.35	21.20	48.55	71.58	1640
		Middle	1962.50	27.29	21.20	48.49	70.65	
		High	1985.00	27.45	21.20	48.65	73.30	
	16QAM	Low	1940.00	27.44	21.20	48.64	73.15	
		Middle	1962.50	27.31	21.20	48.51	71.00	
		High	1985.00	27.48	21.20	48.68	73.75	
	64QAM	Low	1940.00	27.58	21.20	48.78	75.51	
		Middle	1962.50	27.37	21.20	48.57	72.00	
		High	1985.00	27.58	21.20	48.78	75.58	
	256QAM	Low	1940.00	27.57	21.20	48.77	75.34	
		Middle	1962.50	27.41	21.20	48.61	72.68	
		High	1985.00	27.55	21.20	48.75	74.90	
Port 14	QPSK	Low	1940.00	27.31	21.20	48.51	70.91	1640
		Middle	1962.50	27.26	21.20	48.46	70.19	
		High	1985.00	27.40	21.20	48.60	72.44	
	16QAM	Low	1940.00	27.42	21.20	48.62	72.75	
		Middle	1962.50	27.25	21.20	48.45	70.06	
		High	1985.00	27.38	21.20	48.58	72.07	
	64QAM	Low	1940.00	27.51	21.20	48.71	74.25	
		Middle	1962.50	27.37	21.20	48.57	71.86	
		High	1985.00	27.55	21.20	48.75	74.91	
	256QAM	Low	1940.00	27.52	21.20	48.72	74.42	
		Middle	1962.50	27.40	21.20	48.60	72.44	
		High	1985.00	27.44	21.20	48.64	73.14	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 15	QPSK	Low	1940.00	27.36	21.20	48.56	71.71	1640
		Middle	1962.50	27.22	21.20	48.42	69.52	
		High	1985.00	27.37	21.20	48.57	71.94	
	16QAM	Low	1940.00	27.46	21.20	48.66	73.44	
		Middle	1962.50	27.31	21.20	48.51	70.92	
		High	1985.00	27.43	21.20	48.63	73.00	
	64QAM	Low	1940.00	27.50	21.20	48.70	74.20	
		Middle	1962.50	27.35	21.20	48.55	71.68	
		High	1985.00	27.45	21.20	48.65	73.22	
	256QAM	Low	1940.00	27.56	21.20	48.76	75.16	
		Middle	1962.50	27.32	21.20	48.52	71.13	
		High	1985.00	27.49	21.20	48.69	74.01	
Port 16	QPSK	Low	1940.00	27.30	21.20	48.50	70.84	1640
		Middle	1962.50	27.20	21.20	48.40	69.11	
		High	1985.00	27.31	21.20	48.51	70.92	
	16QAM	Low	1940.00	27.36	21.20	48.56	71.80	
		Middle	1962.50	27.21	21.20	48.41	69.40	
		High	1985.00	27.28	21.20	48.48	70.47	
	64QAM	Low	1940.00	27.46	21.20	48.66	73.48	
		Middle	1962.50	27.36	21.20	48.56	71.84	
		High	1985.00	27.32	21.20	48.52	71.11	
	256QAM	Low	1940.00	27.41	21.20	48.61	72.64	
		Middle	1962.50	27.36	21.20	48.56	71.80	
		High	1985.00	27.37	21.20	48.57	71.92	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1940.00	167.38	173.64	176.98	176.69
1962.50	167.18	168.48	171.26	171.25
1985.00	171.95	172.53	175.93	176.06

Frequency (MHz)	Output Power (E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
1940.00	1103.28	1144.52	1166.53	1164.62	1640
1962.50	1101.93	1110.50	1128.86	1128.73	
1985.00	1133.35	1137.19	1159.63	1160.46	

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Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	Low	2112.50	26.54	21.40	47.94	62.24	1640
		Middle	2145.00	26.53	21.40	47.93	62.06	
		High	2177.50	26.58	21.40	47.98	62.77	
	16QAM	Low	2112.50	26.43	21.40	47.83	60.73	
		Middle	2145.00	26.65	21.40	48.05	63.85	
		High	2177.50	26.63	21.40	48.03	63.57	
	64QAM	Low	2112.50	26.47	21.40	47.87	61.26	
		Middle	2145.00	26.66	21.40	48.06	64.01	
		High	2177.50	26.59	21.40	47.99	62.98	
	256QAM	Low	2112.50	26.35	21.40	47.75	59.63	
		Middle	2145.00	26.62	21.40	48.02	63.36	
		High	2177.50	26.58	21.40	47.98	62.75	
Port 2	QPSK	Low	2112.50	26.49	21.40	47.89	61.58	1640
		Middle	2145.00	26.55	21.40	47.95	62.39	
		High	2177.50	26.59	21.40	47.99	62.96	
	16QAM	Low	2112.50	26.64	21.40	48.04	63.72	
		Middle	2145.00	26.51	21.40	47.91	61.82	
		High	2177.50	26.50	21.40	47.90	61.65	
	64QAM	Low	2112.50	26.70	21.40	48.10	64.58	
		Middle	2145.00	26.67	21.40	48.07	64.18	
		High	2177.50	26.63	21.40	48.03	63.57	
	256QAM	Low	2112.50	26.52	21.40	47.92	61.99	
		Middle	2145.00	26.56	21.40	47.96	62.46	
		High	2177.50	26.61	21.40	48.01	63.27	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 3	QPSK	Low	2112.50	26.40	21.40	47.80	60.26	1640
		Middle	2145.00	26.75	21.40	48.15	65.26	
		High	2177.50	26.59	21.40	47.99	63.01	
	16QAM	Low	2112.50	26.49	21.40	47.89	61.45	
		Middle	2145.00	26.70	21.40	48.10	64.57	
		High	2177.50	26.63	21.40	48.03	63.57	
	64QAM	Low	2112.50	26.52	21.40	47.92	61.93	
		Middle	2145.00	26.71	21.40	48.11	64.73	
		High	2177.50	26.60	21.40	48.00	63.14	
	256QAM	Low	2112.50	26.56	21.40	47.96	62.46	
		Middle	2145.00	26.65	21.40	48.05	63.90	
		High	2177.50	26.62	21.40	48.02	63.36	
Port 4	QPSK	Low	2112.50	26.44	21.40	47.84	60.82	1640
		Middle	2145.00	26.65	21.40	48.05	63.79	
		High	2177.50	26.46	21.40	47.86	61.05	
	16QAM	Low	2112.50	26.38	21.40	47.78	60.01	
		Middle	2145.00	26.57	21.40	47.97	62.62	
		High	2177.50	26.40	21.40	47.80	60.21	
	64QAM	Low	2112.50	26.51	21.40	47.91	61.80	
		Middle	2145.00	26.58	21.40	47.98	62.82	
		High	2177.50	26.52	21.40	47.92	61.94	
	256QAM	Low	2112.50	26.28	21.40	47.68	58.67	
		Middle	2145.00	26.68	21.40	48.08	64.30	
		High	2177.50	26.49	21.40	47.89	61.49	
Port 5	QPSK	Low	2112.50	26.44	21.40	47.84	60.79	1640
		Middle	2145.00	26.47	21.40	47.87	61.25	
		High	2177.50	26.42	21.40	47.82	60.57	
	16QAM	Low	2112.50	26.44	21.40	47.84	60.87	
		Middle	2145.00	26.40	21.40	47.80	60.20	
		High	2177.50	26.32	21.40	47.72	59.16	
	64QAM	Low	2112.50	26.40	21.40	47.80	60.28	
		Middle	2145.00	26.57	21.40	47.97	62.63	
		High	2177.50	26.42	21.40	47.82	60.55	
	256QAM	Low	2112.50	26.29	21.40	47.69	58.72	
		Middle	2145.00	26.51	21.40	47.91	61.77	
		High	2177.50	26.31	21.40	47.71	58.96	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 6	QPSK	Low	2112.50	26.50	21.40	47.90	61.68	1640
		Middle	2145.00	26.69	21.40	48.09	64.48	
		High	2177.50	26.78	21.40	48.18	65.84	
	16QAM	Low	2112.50	26.49	21.40	47.89	61.54	
		Middle	2145.00	26.58	21.40	47.98	62.86	
		High	2177.50	26.62	21.40	48.02	63.44	
	64QAM	Low	2112.50	26.72	21.40	48.12	64.85	
		Middle	2145.00	26.74	21.40	48.14	65.14	
		High	2177.50	26.70	21.40	48.10	64.59	
	256QAM	Low	2112.50	26.56	21.40	47.96	62.56	
		Middle	2145.00	26.70	21.40	48.10	64.53	
		High	2177.50	26.69	21.40	48.09	64.39	
Port 7	QPSK	Low	2112.50	26.28	21.40	47.68	58.61	1640
		Middle	2145.00	26.46	21.40	47.86	61.13	
		High	2177.50	26.39	21.40	47.79	60.05	
	16QAM	Low	2112.50	26.30	21.40	47.70	58.93	
		Middle	2145.00	26.47	21.40	47.87	61.22	
		High	2177.50	26.47	21.40	47.87	61.17	
	64QAM	Low	2112.50	26.34	21.40	47.74	59.44	
		Middle	2145.00	26.58	21.40	47.98	62.87	
		High	2177.50	26.45	21.40	47.85	60.94	
	256QAM	Low	2112.50	26.28	21.40	47.68	58.66	
		Middle	2145.00	26.41	21.40	47.81	60.40	
		High	2177.50	26.41	21.40	47.81	60.33	
Port 8	QPSK	Low	2112.50	26.49	21.40	47.89	61.57	1640
		Middle	2145.00	26.82	21.40	48.22	66.32	
		High	2177.50	26.68	21.40	48.08	64.24	
	16QAM	Low	2112.50	26.66	21.40	48.06	64.02	
		Middle	2145.00	26.77	21.40	48.17	65.58	
		High	2177.50	26.53	21.40	47.93	62.10	
	64QAM	Low	2112.50	26.63	21.40	48.03	63.59	
		Middle	2145.00	26.83	21.40	48.23	66.55	
		High	2177.50	26.78	21.40	48.18	65.79	
	256QAM	Low	2112.50	26.67	21.40	48.07	64.11	
		Middle	2145.00	26.74	21.40	48.14	65.22	
		High	2177.50	26.72	21.40	48.12	64.92	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	Low	2112.50	26.46	21.40	47.86	61.11	1640
		Middle	2145.00	26.65	21.40	48.05	63.79	
		High	2177.50	26.74	21.40	48.14	65.11	
	16QAM	Low	2112.50	26.48	21.40	47.88	61.36	
		Middle	2145.00	26.67	21.40	48.07	64.06	
		High	2177.50	26.66	21.40	48.06	64.03	
	64QAM	Low	2112.50	26.53	21.40	47.93	62.04	
		Middle	2145.00	26.75	21.40	48.15	65.30	
		High	2177.50	26.78	21.40	48.18	65.71	
	256QAM	Low	2112.50	26.52	21.40	47.92	61.97	
		Middle	2145.00	26.70	21.40	48.10	64.51	
		High	2177.50	26.71	21.40	48.11	64.70	
Port 10	QPSK	Low	2112.50	26.37	21.40	47.77	59.81	1640
		Middle	2145.00	26.65	21.40	48.05	63.87	
		High	2177.50	26.52	21.40	47.92	61.89	
	16QAM	Low	2112.50	26.29	21.40	47.69	58.79	
		Middle	2145.00	26.57	21.40	47.97	62.60	
		High	2177.50	26.35	21.40	47.75	59.63	
	64QAM	Low	2112.50	26.34	21.40	47.74	59.48	
		Middle	2145.00	26.60	21.40	48.00	63.09	
		High	2177.50	26.52	21.40	47.92	61.94	
	256QAM	Low	2112.50	26.30	21.40	47.70	58.82	
		Middle	2145.00	26.61	21.40	48.01	63.24	
		High	2177.50	26.49	21.40	47.89	61.58	
Port 11	QPSK	Low	2112.50	26.49	21.40	47.89	61.56	1640
		Middle	2145.00	26.73	21.40	48.13	65.00	
		High	2177.50	26.62	21.40	48.02	63.42	
	16QAM	Low	2112.50	26.47	21.40	47.87	61.28	
		Middle	2145.00	26.64	21.40	48.04	63.66	
		High	2177.50	26.71	21.40	48.11	64.68	
	64QAM	Low	2112.50	26.62	21.40	48.02	63.44	
		Middle	2145.00	26.75	21.40	48.15	65.37	
		High	2177.50	26.70	21.40	48.10	64.58	
	256QAM	Low	2112.50	26.56	21.40	47.96	62.56	
		Middle	2145.00	26.65	21.40	48.05	63.80	
		High	2177.50	26.61	21.40	48.01	63.21	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 12	QPSK	Low	2112.50	26.29	21.40	47.69	58.74	1640
		Middle	2145.00	26.66	21.40	48.06	63.97	
		High	2177.50	26.58	21.40	47.98	62.83	
	16QAM	Low	2112.50	26.46	21.40	47.86	61.04	
		Middle	2145.00	26.61	21.40	48.01	63.17	
		High	2177.50	26.60	21.40	48.00	63.11	
	64QAM	Low	2112.50	26.44	21.40	47.84	60.82	
		Middle	2145.00	26.76	21.40	48.16	65.50	
		High	2177.50	26.69	21.40	48.09	64.47	
	256QAM	Low	2112.50	26.41	21.40	47.81	60.46	
		Middle	2145.00	26.66	21.40	48.06	63.97	
		High	2177.50	26.65	21.40	48.05	63.84	
Port 13	QPSK	Low	2112.50	26.23	21.40	47.63	57.92	1640
		Middle	2145.00	26.56	21.40	47.96	62.46	
		High	2177.50	26.32	21.40	47.72	59.13	
	16QAM	Low	2112.50	26.24	21.40	47.64	58.12	
		Middle	2145.00	26.49	21.40	47.89	61.54	
		High	2177.50	26.44	21.40	47.84	60.85	
	64QAM	Low	2112.50	26.30	21.40	47.70	58.88	
		Middle	2145.00	26.58	21.40	47.98	62.78	
		High	2177.50	26.48	21.40	47.88	61.36	
	256QAM	Low	2112.50	26.19	21.40	47.59	57.39	
		Middle	2145.00	26.64	21.40	48.04	63.70	
		High	2177.50	26.45	21.40	47.85	60.94	
Port 14	QPSK	Low	2112.50	26.47	21.40	47.87	61.20	1640
		Middle	2145.00	26.65	21.40	48.05	63.76	
		High	2177.50	26.49	21.40	47.89	61.51	
	16QAM	Low	2112.50	26.35	21.40	47.75	59.62	
		Middle	2145.00	26.54	21.40	47.94	62.28	
		High	2177.50	26.52	21.40	47.92	61.93	
	64QAM	Low	2112.50	26.51	21.40	47.91	61.83	
		Middle	2145.00	26.52	21.40	47.92	61.95	
		High	2177.50	26.60	21.40	48.00	63.04	
	256QAM	Low	2112.50	26.41	21.40	47.81	60.42	
		Middle	2145.00	26.59	21.40	47.99	62.98	
		High	2177.50	26.60	21.40	48.00	63.08	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 15	QPSK	Low	2112.50	26.40	21.40	47.80	60.23	1640
		Middle	2145.00	26.75	21.40	48.15	65.26	
		High	2177.50	26.65	21.40	48.05	63.81	
	16QAM	Low	2112.50	26.54	21.40	47.94	62.23	
		Middle	2145.00	26.62	21.40	48.02	63.33	
		High	2177.50	26.58	21.40	47.98	62.79	
	64QAM	Low	2112.50	26.56	21.40	47.96	62.48	
		Middle	2145.00	26.76	21.40	48.16	65.46	
		High	2177.50	26.75	21.40	48.15	65.31	
	256QAM	Low	2112.50	26.46	21.40	47.86	61.14	
		Middle	2145.00	26.65	21.40	48.05	63.77	
		High	2177.50	26.62	21.40	48.02	63.33	
Port 16	QPSK	Low	2112.50	26.27	21.40	47.67	58.51	1640
		Middle	2145.00	26.64	21.40	48.04	63.67	
		High	2177.50	26.57	21.40	47.97	62.72	
	16QAM	Low	2112.50	26.31	21.40	47.71	59.06	
		Middle	2145.00	26.64	21.40	48.04	63.68	
		High	2177.50	26.64	21.40	48.04	63.74	
	64QAM	Low	2112.50	26.31	21.40	47.71	58.96	
		Middle	2145.00	26.61	21.40	48.01	63.27	
		High	2177.50	26.60	21.40	48.00	63.08	
	256QAM	Low	2112.50	26.20	21.40	47.60	57.59	
		Middle	2145.00	26.58	21.40	47.98	62.81	
		High	2177.50	26.69	21.40	48.09	64.35	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2112.50	35.03	35.25	35.72	35.05
2145.00	36.91	36.49	37.17	36.77
2177.50	36.27	36.08	36.71	36.40

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
2112.50	966.63	972.76	985.67	967.17	1640
2145.00	1018.47	1007.06	1025.66	1014.71	
2177.50	1000.90	995.65	1012.99	1004.49	

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Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	Low	2115.00	26.66	21.40	48.06	63.92	1640
		Middle	2145.00	26.73	21.40	48.13	65.08	
		High	2175.00	26.73	21.40	48.13	65.07	
	16QAM	Low	2115.00	26.50	21.40	47.90	61.71	
		Middle	2145.00	26.71	21.40	48.11	64.66	
		High	2175.00	26.59	21.40	47.99	62.90	
	64QAM	Low	2115.00	26.62	21.40	48.02	63.32	
		Middle	2145.00	26.73	21.40	48.13	64.97	
		High	2175.00	26.69	21.40	48.09	64.46	
	256QAM	Low	2115.00	26.56	21.40	47.96	62.47	
		Middle	2145.00	26.63	21.40	48.03	63.48	
		High	2175.00	26.59	21.40	47.99	62.97	
Port 2	QPSK	Low	2115.00	26.79	21.40	48.19	65.89	1640
		Middle	2145.00	26.65	21.40	48.05	63.85	
		High	2175.00	26.66	21.40	48.06	63.94	
	16QAM	Low	2115.00	26.75	21.40	48.15	65.27	
		Middle	2145.00	26.66	21.40	48.06	64.04	
		High	2175.00	26.61	21.40	48.01	63.20	
	64QAM	Low	2115.00	26.74	21.40	48.14	65.22	
		Middle	2145.00	26.89	21.40	48.29	67.46	
		High	2175.00	26.71	21.40	48.11	64.76	
	256QAM	Low	2115.00	26.72	21.40	48.12	64.85	
		Middle	2145.00	26.77	21.40	48.17	65.64	
		High	2175.00	26.70	21.40	48.10	64.50	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 3	QPSK	Low	2115.00	26.77	21.40	48.17	65.66	1640
		Middle	2145.00	26.78	21.40	48.18	65.82	
		High	2175.00	26.74	21.40	48.14	65.12	
	16QAM	Low	2115.00	26.66	21.40	48.06	63.93	
		Middle	2145.00	26.77	21.40	48.17	65.60	
		High	2175.00	26.73	21.40	48.13	65.00	
	64QAM	Low	2115.00	26.74	21.40	48.14	65.23	
		Middle	2145.00	26.84	21.40	48.24	66.72	
		High	2175.00	26.77	21.40	48.17	65.63	
	256QAM	Low	2115.00	26.65	21.40	48.05	63.82	
		Middle	2145.00	26.74	21.40	48.14	65.22	
		High	2175.00	26.70	21.40	48.10	64.63	
Port 4	QPSK	Low	2115.00	26.50	21.40	47.90	61.64	1640
		Middle	2145.00	26.78	21.40	48.18	65.83	
		High	2175.00	26.58	21.40	47.98	62.74	
	16QAM	Low	2115.00	26.47	21.40	47.87	61.22	
		Middle	2145.00	26.65	21.40	48.05	63.86	
		High	2175.00	26.51	21.40	47.91	61.80	
	64QAM	Low	2115.00	26.63	21.40	48.03	63.48	
		Middle	2145.00	26.73	21.40	48.13	65.08	
		High	2175.00	26.62	21.40	48.02	63.36	
	256QAM	Low	2115.00	26.49	21.40	47.89	61.45	
		Middle	2145.00	26.61	21.40	48.01	63.22	
		High	2175.00	26.53	21.40	47.93	62.05	
Port 5	QPSK	Low	2115.00	26.52	21.40	47.92	61.99	1640
		Middle	2145.00	26.66	21.40	48.06	63.91	
		High	2175.00	26.45	21.40	47.85	61.00	
	16QAM	Low	2115.00	26.48	21.40	47.88	61.43	
		Middle	2145.00	26.55	21.40	47.95	62.33	
		High	2175.00	26.46	21.40	47.86	61.13	
	64QAM	Low	2115.00	26.59	21.40	47.99	63.00	
		Middle	2145.00	26.62	21.40	48.02	63.37	
		High	2175.00	26.55	21.40	47.95	62.31	
	256QAM	Low	2115.00	26.47	21.40	47.87	61.26	
		Middle	2145.00	26.55	21.40	47.95	62.36	
		High	2175.00	26.40	21.40	47.80	60.20	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 6	QPSK	Low	2115.00	26.79	21.40	48.19	65.94	1640
		Middle	2145.00	26.76	21.40	48.16	65.51	
		High	2175.00	26.83	21.40	48.23	66.50	
	16QAM	Low	2115.00	26.74	21.40	48.14	65.21	
		Middle	2145.00	26.75	21.40	48.15	65.31	
		High	2175.00	26.78	21.40	48.18	65.78	
	64QAM	Low	2115.00	26.80	21.40	48.20	66.09	
		Middle	2145.00	26.84	21.40	48.24	66.73	
		High	2175.00	26.85	21.40	48.25	66.87	
	256QAM	Low	2115.00	26.67	21.40	48.07	64.15	
		Middle	2145.00	26.78	21.40	48.18	65.81	
		High	2175.00	26.77	21.40	48.17	65.61	
Port 7	QPSK	Low	2115.00	26.39	21.40	47.79	60.14	1640
		Middle	2145.00	26.64	21.40	48.04	63.75	
		High	2175.00	26.54	21.40	47.94	62.18	
	16QAM	Low	2115.00	26.37	21.40	47.77	59.85	
		Middle	2145.00	26.50	21.40	47.90	61.62	
		High	2175.00	26.41	21.40	47.81	60.44	
	64QAM	Low	2115.00	26.46	21.40	47.86	61.16	
		Middle	2145.00	26.64	21.40	48.04	63.62	
		High	2175.00	26.57	21.40	47.97	62.59	
	256QAM	Low	2115.00	26.43	21.40	47.83	60.68	
		Middle	2145.00	26.60	21.40	48.00	63.05	
		High	2175.00	26.49	21.40	47.89	61.51	
Port 8	QPSK	Low	2115.00	26.82	21.40	48.22	66.44	1640
		Middle	2145.00	26.84	21.40	48.24	66.69	
		High	2175.00	26.74	21.40	48.14	65.22	
	16QAM	Low	2115.00	26.70	21.40	48.10	64.56	
		Middle	2145.00	26.85	21.40	48.25	66.83	
		High	2175.00	26.66	21.40	48.06	63.90	
	64QAM	Low	2115.00	26.88	21.40	48.28	67.32	
		Middle	2145.00	26.99	21.40	48.39	69.10	
		High	2175.00	26.83	21.40	48.23	66.55	
	256QAM	Low	2115.00	26.76	21.40	48.16	65.51	
		Middle	2145.00	26.88	21.40	48.28	67.32	
		High	2175.00	26.71	21.40	48.11	64.70	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	Low	2115.00	26.69	21.40	48.09	64.47	1640
		Middle	2145.00	26.71	21.40	48.11	64.67	
		High	2175.00	26.64	21.40	48.04	63.63	
	16QAM	Low	2115.00	26.60	21.40	48.00	63.12	
		Middle	2145.00	26.83	21.40	48.23	66.54	
		High	2175.00	26.70	21.40	48.10	64.52	
	64QAM	Low	2115.00	26.66	21.40	48.06	63.95	
		Middle	2145.00	26.82	21.40	48.22	66.34	
		High	2175.00	26.86	21.40	48.26	66.98	
	256QAM	Low	2115.00	26.63	21.40	48.03	63.50	
		Middle	2145.00	26.79	21.40	48.19	65.90	
		High	2175.00	26.64	21.40	48.04	63.62	
Port 10	QPSK	Low	2115.00	26.49	21.40	47.89	61.52	1640
		Middle	2145.00	26.66	21.40	48.06	64.00	
		High	2175.00	26.53	21.40	47.93	62.05	
	16QAM	Low	2115.00	26.48	21.40	47.88	61.34	
		Middle	2145.00	26.77	21.40	48.17	65.61	
		High	2175.00	26.45	21.40	47.85	60.92	
	64QAM	Low	2115.00	26.62	21.40	48.02	63.35	
		Middle	2145.00	26.76	21.40	48.16	65.49	
		High	2175.00	26.57	21.40	47.97	62.67	
	256QAM	Low	2115.00	26.52	21.40	47.92	62.01	
		Middle	2145.00	26.77	21.40	48.17	65.63	
		High	2175.00	26.49	21.40	47.89	61.59	
Port 11	QPSK	Low	2115.00	26.68	21.40	48.08	64.29	1640
		Middle	2145.00	26.74	21.40	48.14	65.18	
		High	2175.00	26.72	21.40	48.12	64.85	
	16QAM	Low	2115.00	26.67	21.40	48.07	64.11	
		Middle	2145.00	26.72	21.40	48.12	64.85	
		High	2175.00	26.61	21.40	48.01	63.19	
	64QAM	Low	2115.00	26.76	21.40	48.16	65.40	
		Middle	2145.00	26.85	21.40	48.25	66.90	
		High	2175.00	26.66	21.40	48.06	64.00	
	256QAM	Low	2115.00	26.66	21.40	48.06	63.94	
		Middle	2145.00	26.70	21.40	48.10	64.53	
		High	2175.00	26.69	21.40	48.09	64.49	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 12	QPSK	Low	2115.00	26.62	21.40	48.02	63.36	1640
		Middle	2145.00	26.71	21.40	48.11	64.75	
		High	2175.00	26.74	21.40	48.14	65.12	
	16QAM	Low	2115.00	26.53	21.40	47.93	62.15	
		Middle	2145.00	26.74	21.40	48.14	65.20	
		High	2175.00	26.68	21.40	48.08	64.23	
	64QAM	Low	2115.00	26.65	21.40	48.05	63.85	
		Middle	2145.00	26.83	21.40	48.23	66.52	
		High	2175.00	26.77	21.40	48.17	65.58	
	256QAM	Low	2115.00	26.58	21.40	47.98	62.80	
		Middle	2145.00	26.74	21.40	48.14	65.20	
		High	2175.00	26.70	21.40	48.10	64.53	
Port 13	QPSK	Low	2115.00	26.41	21.40	47.81	60.33	1640
		Middle	2145.00	26.67	21.40	48.07	64.15	
		High	2175.00	26.47	21.40	47.87	61.25	
	16QAM	Low	2115.00	26.42	21.40	47.82	60.58	
		Middle	2145.00	26.64	21.40	48.04	63.62	
		High	2175.00	26.52	21.40	47.92	61.95	
	64QAM	Low	2115.00	26.42	21.40	47.82	60.56	
		Middle	2145.00	26.63	21.40	48.03	63.53	
		High	2175.00	26.65	21.40	48.05	63.86	
	256QAM	Low	2115.00	26.30	21.40	47.70	58.94	
		Middle	2145.00	26.64	21.40	48.04	63.63	
		High	2175.00	26.57	21.40	47.97	62.69	
Port 14	QPSK	Low	2115.00	26.68	21.40	48.08	64.26	1640
		Middle	2145.00	26.70	21.40	48.10	64.61	
		High	2175.00	26.58	21.40	47.98	62.82	
	16QAM	Low	2115.00	26.59	21.40	47.99	62.90	
		Middle	2145.00	26.64	21.40	48.04	63.63	
		High	2175.00	26.58	21.40	47.98	62.87	
	64QAM	Low	2115.00	26.73	21.40	48.13	65.00	
		Middle	2145.00	26.69	21.40	48.09	64.42	
		High	2175.00	26.66	21.40	48.06	63.97	
	256QAM	Low	2115.00	26.58	21.40	47.98	62.76	
		Middle	2145.00	26.68	21.40	48.08	64.29	
		High	2175.00	26.56	21.40	47.96	62.52	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 15	QPSK	Low	2115.00	26.60	21.40	48.00	63.05	1640
		Middle	2145.00	26.84	21.40	48.24	66.70	
		High	2175.00	26.68	21.40	48.08	64.25	
	16QAM	Low	2115.00	26.52	21.40	47.92	61.91	
		Middle	2145.00	26.79	21.40	48.19	65.86	
		High	2175.00	26.70	21.40	48.10	64.58	
	64QAM	Low	2115.00	26.64	21.40	48.04	63.64	
		Middle	2145.00	26.77	21.40	48.17	65.65	
		High	2175.00	26.72	21.40	48.12	64.82	
	256QAM	Low	2115.00	26.62	21.40	48.02	63.33	
		Middle	2145.00	26.75	21.40	48.15	65.25	
		High	2175.00	26.69	21.40	48.09	64.44	
Port 16	QPSK	Low	2115.00	26.42	21.40	47.82	60.54	1640
		Middle	2145.00	26.64	21.40	48.04	63.72	
		High	2175.00	26.71	21.40	48.11	64.65	
	16QAM	Low	2115.00	26.43	21.40	47.83	60.70	
		Middle	2145.00	26.59	21.40	47.99	62.95	
		High	2175.00	26.64	21.40	48.04	63.66	
	64QAM	Low	2115.00	26.60	21.40	48.00	63.02	
		Middle	2145.00	26.75	21.40	48.15	65.26	
		High	2175.00	26.69	21.40	48.09	64.48	
	256QAM	Low	2115.00	26.45	21.40	47.85	61.00	
		Middle	2145.00	26.69	21.40	48.09	64.47	
		High	2175.00	26.60	21.40	48.00	63.10	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2115.00	73.44	72.46	74.17	72.64
2145.00	75.23	74.82	76.16	74.99
2175.00	73.93	73.19	74.84	73.41

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
2115.00	1013.47	999.99	1023.59	1002.47	1640
2145.00	1038.23	1032.50	1051.15	1035.01	
2175.00	1020.39	1010.06	1032.89	1013.14	

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Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	Low	2117.50	26.70	21.40	48.10	64.53	1640
		Middle	2145.00	26.71	21.40	48.11	64.76	
		High	2172.50	26.57	21.40	47.97	62.61	
	16QAM	Low	2117.50	26.80	21.40	48.20	66.04	
		Middle	2145.00	26.73	21.40	48.13	65.02	
		High	2172.50	26.56	21.40	47.96	62.46	
	64QAM	Low	2117.50	26.71	21.40	48.11	64.79	
		Middle	2145.00	26.78	21.40	48.18	65.75	
		High	2172.50	26.60	21.40	48.00	63.07	
	256QAM	Low	2117.50	26.66	21.40	48.06	63.92	
		Middle	2145.00	26.56	21.40	47.96	62.56	
		High	2172.50	26.57	21.40	47.97	62.73	
Port 2	QPSK	Low	2117.50	26.87	21.40	48.27	67.16	1640
		Middle	2145.00	26.65	21.40	48.05	63.81	
		High	2172.50	26.63	21.40	48.03	63.56	
	16QAM	Low	2117.50	26.86	21.40	48.26	67.05	
		Middle	2145.00	26.73	21.40	48.13	65.00	
		High	2172.50	26.74	21.40	48.14	65.19	
	64QAM	Low	2117.50	26.88	21.40	48.28	67.36	
		Middle	2145.00	26.74	21.40	48.14	65.21	
		High	2172.50	26.69	21.40	48.09	64.40	
	256QAM	Low	2117.50	26.79	21.40	48.19	65.91	
		Middle	2145.00	26.68	21.40	48.08	64.33	
		High	2172.50	26.62	21.40	48.02	63.40	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 3	QPSK	Low	2117.50	26.82	21.40	48.22	66.32	1640
		Middle	2145.00	26.80	21.40	48.20	66.09	
		High	2172.50	26.64	21.40	48.04	63.67	
	16QAM	Low	2117.50	26.84	21.40	48.24	66.73	
		Middle	2145.00	26.84	21.40	48.24	66.62	
		High	2172.50	26.67	21.40	48.07	64.06	
	64QAM	Low	2117.50	26.76	21.40	48.16	65.50	
		Middle	2145.00	26.79	21.40	48.19	65.94	
		High	2172.50	26.73	21.40	48.13	64.97	
	256QAM	Low	2117.50	26.76	21.40	48.16	65.43	
		Middle	2145.00	26.73	21.40	48.13	64.94	
		High	2172.50	26.60	21.40	48.00	63.17	
Port 4	QPSK	Low	2117.50	26.57	21.40	47.97	62.60	1640
		Middle	2145.00	26.79	21.40	48.19	65.88	
		High	2172.50	26.59	21.40	47.99	63.02	
	16QAM	Low	2117.50	26.64	21.40	48.04	63.72	
		Middle	2145.00	26.81	21.40	48.21	66.15	
		High	2172.50	26.53	21.40	47.93	62.07	
	64QAM	Low	2117.50	26.69	21.40	48.09	64.41	
		Middle	2145.00	26.83	21.40	48.23	66.50	
		High	2172.50	26.59	21.40	47.99	62.92	
	256QAM	Low	2117.50	26.53	21.40	47.93	62.09	
		Middle	2145.00	26.67	21.40	48.07	64.13	
		High	2172.50	26.54	21.40	47.94	62.18	
Port 5	QPSK	Low	2117.50	26.61	21.40	48.01	63.21	1640
		Middle	2145.00	26.69	21.40	48.09	64.45	
		High	2172.50	26.59	21.40	47.99	63.02	
	16QAM	Low	2117.50	26.69	21.40	48.09	64.35	
		Middle	2145.00	26.84	21.40	48.24	66.73	
		High	2172.50	26.55	21.40	47.95	62.31	
	64QAM	Low	2117.50	26.77	21.40	48.17	65.66	
		Middle	2145.00	26.85	21.40	48.25	66.85	
		High	2172.50	26.64	21.40	48.04	63.61	
	256QAM	Low	2117.50	26.69	21.40	48.09	64.47	
		Middle	2145.00	26.63	21.40	48.03	63.48	
		High	2172.50	26.62	21.40	48.02	63.36	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 6	QPSK	Low	2117.50	26.82	21.40	48.22	66.40	1640
		Middle	2145.00	26.80	21.40	48.20	66.10	
		High	2172.50	26.75	21.40	48.15	65.36	
	16QAM	Low	2117.50	26.95	21.40	48.35	68.44	
		Middle	2145.00	26.94	21.40	48.34	68.18	
		High	2172.50	26.81	21.40	48.21	66.22	
	64QAM	Low	2117.50	26.90	21.40	48.30	67.66	
		Middle	2145.00	26.89	21.40	48.29	67.52	
		High	2172.50	26.79	21.40	48.19	65.92	
	256QAM	Low	2117.50	26.83	21.40	48.23	66.49	
		Middle	2145.00	26.75	21.40	48.15	65.31	
		High	2172.50	26.71	21.40	48.11	64.66	
Port 7	QPSK	Low	2117.50	26.45	21.40	47.85	60.99	1640
		Middle	2145.00	26.62	21.40	48.02	63.33	
		High	2172.50	26.43	21.40	47.83	60.68	
	16QAM	Low	2117.50	26.54	21.40	47.94	62.28	
		Middle	2145.00	26.66	21.40	48.06	63.99	
		High	2172.50	26.49	21.40	47.89	61.48	
	64QAM	Low	2117.50	26.54	21.40	47.94	62.18	
		Middle	2145.00	26.64	21.40	48.04	63.66	
		High	2172.50	26.49	21.40	47.89	61.53	
	256QAM	Low	2117.50	26.46	21.40	47.86	61.05	
		Middle	2145.00	26.47	21.40	47.87	61.27	
		High	2172.50	26.45	21.40	47.85	60.91	
Port 8	QPSK	Low	2117.50	26.83	21.40	48.23	66.45	1640
		Middle	2145.00	26.85	21.40	48.25	66.90	
		High	2172.50	26.70	21.40	48.10	64.53	
	16QAM	Low	2117.50	26.90	21.40	48.30	67.58	
		Middle	2145.00	26.90	21.40	48.30	67.59	
		High	2172.50	26.77	21.40	48.17	65.69	
	64QAM	Low	2117.50	26.88	21.40	48.28	67.35	
		Middle	2145.00	26.98	21.40	48.38	68.83	
		High	2172.50	26.79	21.40	48.19	65.90	
	256QAM	Low	2117.50	26.87	21.40	48.27	67.11	
		Middle	2145.00	26.83	21.40	48.23	66.56	
		High	2172.50	26.68	21.40	48.08	64.34	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	Low	2117.50	26.67	21.40	48.07	64.11	1640
		Middle	2145.00	26.79	21.40	48.19	65.98	
		High	2172.50	26.72	21.40	48.12	64.86	
	16QAM	Low	2117.50	26.66	21.40	48.06	64.04	
		Middle	2145.00	26.91	21.40	48.31	67.71	
		High	2172.50	26.74	21.40	48.14	65.20	
	64QAM	Low	2117.50	26.68	21.40	48.08	64.25	
		Middle	2145.00	26.91	21.40	48.31	67.77	
		High	2172.50	26.76	21.40	48.16	65.49	
	256QAM	Low	2117.50	26.64	21.40	48.04	63.74	
		Middle	2145.00	26.72	21.40	48.12	64.82	
		High	2172.50	26.71	21.40	48.11	64.64	
Port 10	QPSK	Low	2117.50	26.53	21.40	47.93	62.07	1640
		Middle	2145.00	26.70	21.40	48.10	64.60	
		High	2172.50	26.55	21.40	47.95	62.34	
	16QAM	Low	2117.50	26.51	21.40	47.91	61.84	
		Middle	2145.00	26.81	21.40	48.21	66.21	
		High	2172.50	26.51	21.40	47.91	61.82	
	64QAM	Low	2117.50	26.56	21.40	47.96	62.58	
		Middle	2145.00	26.75	21.40	48.15	65.25	
		High	2172.50	26.60	21.40	48.00	63.06	
	256QAM	Low	2117.50	26.57	21.40	47.97	62.69	
		Middle	2145.00	26.64	21.40	48.04	63.61	
		High	2172.50	26.52	21.40	47.92	61.95	
Port 11	QPSK	Low	2117.50	26.68	21.40	48.08	64.29	1640
		Middle	2145.00	26.77	21.40	48.17	65.66	
		High	2172.50	26.64	21.40	48.04	63.61	
	16QAM	Low	2117.50	26.87	21.40	48.27	67.21	
		Middle	2145.00	26.87	21.40	48.27	67.15	
		High	2172.50	26.65	21.40	48.05	63.88	
	64QAM	Low	2117.50	26.76	21.40	48.16	65.44	
		Middle	2145.00	26.89	21.40	48.29	67.49	
		High	2172.50	26.68	21.40	48.08	64.23	
	256QAM	Low	2117.50	26.74	21.40	48.14	65.18	
		Middle	2145.00	26.66	21.40	48.06	64.03	
		High	2172.50	26.60	21.40	48.00	63.09	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 12	QPSK	Low	2117.50	26.67	21.40	48.07	64.07	1640
		Middle	2145.00	26.75	21.40	48.15	65.30	
		High	2172.50	26.67	21.40	48.07	64.14	
	16QAM	Low	2117.50	26.69	21.40	48.09	64.41	
		Middle	2145.00	26.88	21.40	48.28	67.30	
		High	2172.50	26.73	21.40	48.13	65.07	
	64QAM	Low	2117.50	26.70	21.40	48.10	64.62	
		Middle	2145.00	26.91	21.40	48.31	67.72	
		High	2172.50	26.74	21.40	48.14	65.09	
	256QAM	Low	2117.50	26.57	21.40	47.97	62.69	
		Middle	2145.00	26.64	21.40	48.04	63.66	
		High	2172.50	26.73	21.40	48.13	65.02	
Port 13	QPSK	Low	2117.50	26.42	21.40	47.82	60.47	1640
		Middle	2145.00	26.60	21.40	48.00	63.15	
		High	2172.50	26.50	21.40	47.90	61.67	
	16QAM	Low	2117.50	26.42	21.40	47.82	60.57	
		Middle	2145.00	26.73	21.40	48.13	65.03	
		High	2172.50	26.54	21.40	47.94	62.20	
	64QAM	Low	2117.50	26.51	21.40	47.91	61.83	
		Middle	2145.00	26.69	21.40	48.09	64.38	
		High	2172.50	26.52	21.40	47.92	61.94	
	256QAM	Low	2117.50	26.44	21.40	47.84	60.79	
		Middle	2145.00	26.56	21.40	47.96	62.57	
		High	2172.50	26.45	21.40	47.85	61.02	
Port 14	QPSK	Low	2117.50	26.60	21.40	48.00	63.10	1640
		Middle	2145.00	26.66	21.40	48.06	64.04	
		High	2172.50	26.58	21.40	47.98	62.79	
	16QAM	Low	2117.50	26.73	21.40	48.13	65.05	
		Middle	2145.00	26.75	21.40	48.15	65.34	
		High	2172.50	26.65	21.40	48.05	63.78	
	64QAM	Low	2117.50	26.68	21.40	48.08	64.31	
		Middle	2145.00	26.74	21.40	48.14	65.21	
		High	2172.50	26.60	21.40	48.00	63.15	
	256QAM	Low	2117.50	26.66	21.40	48.06	63.98	
		Middle	2145.00	26.70	21.40	48.10	64.60	
		High	2172.50	26.50	21.40	47.90	61.68	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 15	QPSK	Low	2117.50	26.70	21.40	48.10	64.49	1640
		Middle	2145.00	26.75	21.40	48.15	65.32	
		High	2172.50	26.68	21.40	48.08	64.25	
	16QAM	Low	2117.50	26.66	21.40	48.06	64.03	
		Middle	2145.00	26.85	21.40	48.25	66.87	
		High	2172.50	26.78	21.40	48.18	65.72	
	64QAM	Low	2117.50	26.65	21.40	48.05	63.83	
		Middle	2145.00	26.92	21.40	48.32	67.85	
		High	2172.50	26.71	21.40	48.11	64.74	
	256QAM	Low	2117.50	26.66	21.40	48.06	64.00	
		Middle	2145.00	26.68	21.40	48.08	64.29	
		High	2172.50	26.69	21.40	48.09	64.44	
Port 16	QPSK	Low	2117.50	26.49	21.40	47.89	61.51	1640
		Middle	2145.00	26.74	21.40	48.14	65.13	
		High	2172.50	26.60	21.40	48.00	63.12	
	16QAM	Low	2117.50	26.54	21.40	47.94	62.19	
		Middle	2145.00	26.89	21.40	48.29	67.51	
		High	2172.50	26.65	21.40	48.05	63.87	
	64QAM	Low	2117.50	26.54	21.40	47.94	62.21	
		Middle	2145.00	26.72	21.40	48.12	64.88	
		High	2172.50	26.63	21.40	48.03	63.57	
	256QAM	Low	2117.50	26.44	21.40	47.84	60.81	
		Middle	2145.00	26.66	21.40	48.06	63.90	
		High	2172.50	26.65	21.40	48.05	63.76	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2117.50	111.05	112.54	112.38	110.89
2145.00	113.08	115.46	115.29	111.30
2172.50	110.12	110.97	111.24	109.80

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
2117.50	1021.76	1035.53	1034.00	1020.36	1640
2145.00	1040.50	1062.39	1060.81	1024.06	
2172.50	1013.24	1021.01	1023.60	1010.34	

LTE Band 66 20 MHz 1 Carrier

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	Low	2120.00	26.56	21.40	47.96	62.58	1640
		Middle	2145.00	26.56	21.40	47.96	62.51	
		High	2170.00	26.54	21.40	47.94	62.18	
	16QAM	Low	2120.00	26.55	21.40	47.95	62.43	
		Middle	2145.00	26.45	21.40	47.85	60.94	
		High	2170.00	26.53	21.40	47.93	62.06	
	64QAM	Low	2120.00	26.54	21.40	47.94	62.30	
		Middle	2145.00	26.56	21.40	47.96	62.47	
		High	2170.00	26.56	21.40	47.96	62.49	
	256QAM	Low	2120.00	26.46	21.40	47.86	61.16	
		Middle	2145.00	26.49	21.40	47.89	61.54	
		High	2170.00	26.51	21.40	47.91	61.84	
Port 2	QPSK	Low	2120.00	26.76	21.40	48.16	65.42	1640
		Middle	2145.00	26.56	21.40	47.96	62.46	
		High	2170.00	26.54	21.40	47.94	62.21	
	16QAM	Low	2120.00	26.56	21.40	47.96	62.57	
		Middle	2145.00	26.46	21.40	47.86	61.14	
		High	2170.00	26.50	21.40	47.90	61.70	
	64QAM	Low	2120.00	26.65	21.40	48.05	63.82	
		Middle	2145.00	26.55	21.40	47.95	62.39	
		High	2170.00	26.60	21.40	48.00	63.06	
	256QAM	Low	2120.00	26.47	21.40	47.87	61.23	
		Middle	2145.00	26.46	21.40	47.86	61.09	
		High	2170.00	26.52	21.40	47.92	61.98	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 3	QPSK	Low	2120.00	26.65	21.40	48.05	63.87	1640
		Middle	2145.00	26.64	21.40	48.04	63.68	
		High	2170.00	26.52	21.40	47.92	61.94	
	16QAM	Low	2120.00	26.60	21.40	48.00	63.04	
		Middle	2145.00	26.55	21.40	47.95	62.33	
		High	2170.00	26.54	21.40	47.94	62.18	
	64QAM	Low	2120.00	26.65	21.40	48.05	63.80	
		Middle	2145.00	26.64	21.40	48.04	63.71	
		High	2170.00	26.63	21.40	48.03	63.54	
	256QAM	Low	2120.00	26.55	21.40	47.95	62.31	
		Middle	2145.00	26.57	21.40	47.97	62.66	
		High	2170.00	26.56	21.40	47.96	62.50	
Port 4	QPSK	Low	2120.00	26.44	21.40	47.84	60.87	1640
		Middle	2145.00	26.57	21.40	47.97	62.64	
		High	2170.00	26.47	21.40	47.87	61.23	
	16QAM	Low	2120.00	26.49	21.40	47.89	61.49	
		Middle	2145.00	26.47	21.40	47.87	61.30	
		High	2170.00	26.52	21.40	47.92	61.98	
	64QAM	Low	2120.00	26.45	21.40	47.85	60.94	
		Middle	2145.00	26.59	21.40	47.99	62.96	
		High	2170.00	26.53	21.40	47.93	62.06	
	256QAM	Low	2120.00	26.39	21.40	47.79	60.16	
		Middle	2145.00	26.53	21.40	47.93	62.02	
		High	2170.00	26.48	21.40	47.88	61.38	
Port 5	QPSK	Low	2120.00	26.53	21.40	47.93	62.05	1640
		Middle	2145.00	26.58	21.40	47.98	62.87	
		High	2170.00	26.50	21.40	47.90	61.65	
	16QAM	Low	2120.00	26.44	21.40	47.84	60.77	
		Middle	2145.00	26.52	21.40	47.92	61.95	
		High	2170.00	26.50	21.40	47.90	61.65	
	64QAM	Low	2120.00	26.46	21.40	47.86	61.07	
		Middle	2145.00	26.58	21.40	47.98	62.76	
		High	2170.00	26.56	21.40	47.96	62.50	
	256QAM	Low	2120.00	26.44	21.40	47.84	60.84	
		Middle	2145.00	26.58	21.40	47.98	62.77	
		High	2170.00	26.52	21.40	47.92	61.94	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 6	QPSK	Low	2120.00	26.62	21.40	48.02	63.32	1640
		Middle	2145.00	26.66	21.40	48.06	63.90	
		High	2170.00	26.67	21.40	48.07	64.10	
	16QAM	Low	2120.00	26.62	21.40	48.02	63.34	
		Middle	2145.00	26.55	21.40	47.95	62.32	
		High	2170.00	26.65	21.40	48.05	63.81	
	64QAM	Low	2120.00	26.73	21.40	48.13	65.08	
		Middle	2145.00	26.60	21.40	48.00	63.04	
		High	2170.00	26.67	21.40	48.07	64.08	
	256QAM	Low	2120.00	26.55	21.40	47.95	62.41	
		Middle	2145.00	26.55	21.40	47.95	62.39	
		High	2170.00	26.61	21.40	48.01	63.17	
Port 7	QPSK	Low	2120.00	26.36	21.40	47.76	59.76	1640
		Middle	2145.00	26.41	21.40	47.81	60.41	
		High	2170.00	26.45	21.40	47.85	60.93	
	16QAM	Low	2120.00	26.38	21.40	47.78	60.02	
		Middle	2145.00	26.33	21.40	47.73	59.36	
		High	2170.00	26.35	21.40	47.75	59.57	
	64QAM	Low	2120.00	26.35	21.40	47.75	59.63	
		Middle	2145.00	26.45	21.40	47.85	60.96	
		High	2170.00	26.40	21.40	47.80	60.31	
	256QAM	Low	2120.00	26.22	21.40	47.62	57.79	
		Middle	2145.00	26.35	21.40	47.75	59.61	
		High	2170.00	26.33	21.40	47.73	59.31	
Port 8	QPSK	Low	2120.00	26.73	21.40	48.13	65.04	1640
		Middle	2145.00	26.70	21.40	48.10	64.51	
		High	2170.00	26.62	21.40	48.02	63.41	
	16QAM	Low	2120.00	26.68	21.40	48.08	64.33	
		Middle	2145.00	26.68	21.40	48.08	64.25	
		High	2170.00	26.74	21.40	48.14	65.13	
	64QAM	Low	2120.00	26.69	21.40	48.09	64.49	
		Middle	2145.00	26.72	21.40	48.12	64.87	
		High	2170.00	26.72	21.40	48.12	64.93	
	256QAM	Low	2120.00	26.60	21.40	48.00	63.16	
		Middle	2145.00	26.63	21.40	48.03	63.48	
		High	2170.00	26.57	21.40	47.97	62.59	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	Low	2120.00	26.53	21.40	47.93	62.10	1640
		Middle	2145.00	26.59	21.40	47.99	62.89	
		High	2170.00	26.65	21.40	48.05	63.78	
	16QAM	Low	2120.00	26.50	21.40	47.90	61.65	
		Middle	2145.00	26.55	21.40	47.95	62.36	
		High	2170.00	26.58	21.40	47.98	62.82	
	64QAM	Low	2120.00	26.53	21.40	47.93	62.11	
		Middle	2145.00	26.66	21.40	48.06	63.99	
		High	2170.00	26.64	21.40	48.04	63.73	
	256QAM	Low	2120.00	26.43	21.40	47.83	60.71	
		Middle	2145.00	26.52	21.40	47.92	61.87	
		High	2170.00	26.58	21.40	47.98	62.77	
Port 10	QPSK	Low	2120.00	26.37	21.40	47.77	59.81	1640
		Middle	2145.00	26.54	21.40	47.94	62.25	
		High	2170.00	26.49	21.40	47.89	61.55	
	16QAM	Low	2120.00	26.38	21.40	47.78	60.00	
		Middle	2145.00	26.51	21.40	47.91	61.78	
		High	2170.00	26.45	21.40	47.85	60.92	
	64QAM	Low	2120.00	26.40	21.40	47.80	60.23	
		Middle	2145.00	26.60	21.40	48.00	63.04	
		High	2170.00	26.48	21.40	47.88	61.35	
	256QAM	Low	2120.00	26.33	21.40	47.73	59.24	
		Middle	2145.00	26.53	21.40	47.93	62.16	
		High	2170.00	26.41	21.40	47.81	60.35	
Port 11	QPSK	Low	2120.00	26.61	21.40	48.01	63.31	1640
		Middle	2145.00	26.64	21.40	48.04	63.74	
		High	2170.00	26.62	21.40	48.02	63.40	
	16QAM	Low	2120.00	26.61	21.40	48.01	63.23	
		Middle	2145.00	26.56	21.40	47.96	62.48	
		High	2170.00	26.63	21.40	48.03	63.47	
	64QAM	Low	2120.00	26.63	21.40	48.03	63.53	
		Middle	2145.00	26.61	21.40	48.01	63.19	
		High	2170.00	26.62	21.40	48.02	63.43	
	256QAM	Low	2120.00	26.51	21.40	47.91	61.82	
		Middle	2145.00	26.51	21.40	47.91	61.84	
		High	2170.00	26.62	21.40	48.02	63.38	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 12	QPSK	Low	2120.00	26.55	21.40	47.95	62.31	1640
		Middle	2145.00	26.54	21.40	47.94	62.28	
		High	2170.00	26.54	21.40	47.94	62.19	
	16QAM	Low	2120.00	26.55	21.40	47.95	62.35	
		Middle	2145.00	26.57	21.40	47.97	62.68	
		High	2170.00	26.58	21.40	47.98	62.73	
	64QAM	Low	2120.00	26.55	21.40	47.95	62.32	
		Middle	2145.00	26.65	21.40	48.05	63.78	
		High	2170.00	26.64	21.40	48.04	63.70	
	256QAM	Low	2120.00	26.43	21.40	47.83	60.65	
		Middle	2145.00	26.58	21.40	47.98	62.80	
		High	2170.00	26.55	21.40	47.95	62.39	
Port 13	QPSK	Low	2120.00	26.31	21.40	47.71	58.98	1640
		Middle	2145.00	26.38	21.40	47.78	59.95	
		High	2170.00	26.41	21.40	47.81	60.34	
	16QAM	Low	2120.00	26.28	21.40	47.68	58.66	
		Middle	2145.00	26.50	21.40	47.90	61.66	
		High	2170.00	26.38	21.40	47.78	59.95	
	64QAM	Low	2120.00	26.33	21.40	47.73	59.35	
		Middle	2145.00	26.45	21.40	47.85	60.97	
		High	2170.00	26.46	21.40	47.86	61.06	
	256QAM	Low	2120.00	26.26	21.40	47.66	58.30	
		Middle	2145.00	26.47	21.40	47.87	61.19	
		High	2170.00	26.39	21.40	47.79	60.17	
Port 14	QPSK	Low	2120.00	26.53	21.40	47.93	62.03	1640
		Middle	2145.00	26.53	21.40	47.93	62.15	
		High	2170.00	26.47	21.40	47.87	61.17	
	16QAM	Low	2120.00	26.47	21.40	47.87	61.17	
		Middle	2145.00	26.47	21.40	47.87	61.21	
		High	2170.00	26.44	21.40	47.84	60.81	
	64QAM	Low	2120.00	26.44	21.40	47.84	60.76	
		Middle	2145.00	26.58	21.40	47.98	62.75	
		High	2170.00	26.51	21.40	47.91	61.76	
	256QAM	Low	2120.00	26.46	21.40	47.86	61.03	
		Middle	2145.00	26.53	21.40	47.93	62.06	
		High	2170.00	26.49	21.40	47.89	61.46	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 15	QPSK	Low	2120.00	26.53	21.40	47.93	62.10	1640
		Middle	2145.00	26.58	21.40	47.98	62.73	
		High	2170.00	26.55	21.40	47.95	62.44	
	16QAM	Low	2120.00	26.52	21.40	47.92	62.01	
		Middle	2145.00	26.58	21.40	47.98	62.83	
		High	2170.00	26.59	21.40	47.99	62.89	
	64QAM	Low	2120.00	26.54	21.40	47.94	62.22	
		Middle	2145.00	26.66	21.40	48.06	63.96	
		High	2170.00	26.68	21.40	48.08	64.25	
	256QAM	Low	2120.00	26.40	21.40	47.80	60.26	
		Middle	2145.00	26.56	21.40	47.96	62.52	
		High	2170.00	26.56	21.40	47.96	62.51	
Port 16	QPSK	Low	2120.00	26.36	21.40	47.76	59.64	1640
		Middle	2145.00	26.47	21.40	47.87	61.26	
		High	2170.00	26.54	21.40	47.94	62.25	
	16QAM	Low	2120.00	26.37	21.40	47.77	59.89	
		Middle	2145.00	26.48	21.40	47.88	61.38	
		High	2170.00	26.56	21.40	47.96	62.50	
	64QAM	Low	2120.00	26.33	21.40	47.73	59.29	
		Middle	2145.00	26.58	21.40	47.98	62.74	
		High	2170.00	26.61	21.40	48.01	63.21	
	256QAM	Low	2120.00	26.30	21.40	47.70	58.92	
		Middle	2145.00	26.54	21.40	47.94	62.17	
		High	2170.00	26.54	21.40	47.94	62.24	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2120.00	143.92	143.01	143.60	140.56
2145.00	144.93	143.46	146.00	143.77
2170.00	144.15	144.06	145.70	143.46

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
2120.00	993.21	986.94	990.95	970.00	1640
2145.00	1000.22	989.98	1007.58	992.18	
2170.00	994.78	994.19	1005.46	989.99	

Tabular Data of RF Contiguous output power

LTE Band 25 5 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier [2 Carrier]

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	Low	1940.00	27.06	21.20	48.26	66.92	1640
		Middle	1962.50	27.19	21.20	48.39	68.99	
		High	1985.00	27.24	21.20	48.44	69.82	
	16QAM	Low	1940.00	27.33	21.20	48.53	71.21	
		Middle	1962.50	27.18	21.20	48.38	68.86	
		High	1985.00	27.35	21.20	48.55	71.61	
	64QAM	Low	1940.00	27.22	21.20	48.42	69.45	
		Middle	1962.50	27.23	21.20	48.43	69.73	
		High	1985.00	27.25	21.20	48.45	70.02	
	256QAM	Low	1940.00	27.24	21.20	48.44	69.75	
		Middle	1962.50	27.26	21.20	48.46	70.18	
		High	1985.00	27.25	21.20	48.45	69.94	
Port 2	QPSK	Low	1940.00	27.05	21.20	48.25	66.84	1640
		Middle	1962.50	27.15	21.20	48.35	68.43	
		High	1985.00	27.20	21.20	48.40	69.13	
	16QAM	Low	1940.00	27.28	21.20	48.48	70.48	
		Middle	1962.50	27.22	21.20	48.42	69.52	
		High	1985.00	27.30	21.20	48.50	70.84	
	64QAM	Low	1940.00	27.15	21.20	48.35	68.40	
		Middle	1962.50	27.21	21.20	48.41	69.27	
		High	1985.00	27.13	21.20	48.33	68.12	
	256QAM	Low	1940.00	27.17	21.20	48.37	68.73	
		Middle	1962.50	27.21	21.20	48.41	69.34	
		High	1985.00	27.17	21.20	48.37	68.76	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 3	QPSK	Low	1940.00	27.09	21.20	48.29	67.46	1640
		Middle	1962.50	27.23	21.20	48.43	69.60	
		High	1985.00	27.23	21.20	48.43	69.69	
	16QAM	Low	1940.00	27.29	21.20	48.49	70.71	
		Middle	1962.50	27.23	21.20	48.43	69.61	
		High	1985.00	27.26	21.20	48.46	70.20	
	64QAM	Low	1940.00	27.17	21.20	48.37	68.64	
		Middle	1962.50	27.21	21.20	48.41	69.36	
		High	1985.00	27.22	21.20	48.42	69.54	
	256QAM	Low	1940.00	27.21	21.20	48.41	69.40	
		Middle	1962.50	27.19	21.20	48.39	69.08	
		High	1985.00	27.20	21.20	48.40	69.19	
Port 4	QPSK	Low	1940.00	26.98	21.20	48.18	65.73	1640
		Middle	1962.50	27.17	21.20	48.37	68.66	
		High	1985.00	27.22	21.20	48.42	69.44	
	16QAM	Low	1940.00	27.16	21.20	48.36	68.49	
		Middle	1962.50	27.14	21.20	48.34	68.28	
		High	1985.00	27.29	21.20	48.49	70.71	
	64QAM	Low	1940.00	27.09	21.20	48.29	67.49	
		Middle	1962.50	27.16	21.20	48.36	68.61	
		High	1985.00	27.27	21.20	48.47	70.28	
	256QAM	Low	1940.00	27.12	21.20	48.32	67.99	
		Middle	1962.50	27.13	21.20	48.33	68.08	
		High	1985.00	27.23	21.20	48.43	69.59	
Port 5	QPSK	Low	1940.00	27.23	21.20	48.43	69.74	1640
		Middle	1962.50	27.34	21.20	48.54	71.42	
		High	1985.00	27.25	21.20	48.45	70.01	
	16QAM	Low	1940.00	27.33	21.20	48.53	71.28	
		Middle	1962.50	27.37	21.20	48.57	71.97	
		High	1985.00	27.36	21.20	48.56	71.84	
	64QAM	Low	1940.00	27.29	21.20	48.49	70.58	
		Middle	1962.50	27.32	21.20	48.52	71.15	
		High	1985.00	27.26	21.20	48.46	70.08	
	256QAM	Low	1940.00	27.27	21.20	48.47	70.27	
		Middle	1962.50	27.37	21.20	48.57	71.92	
		High	1985.00	27.29	21.20	48.49	70.56	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 6	QPSK	Low	1940.00	26.93	21.20	48.13	64.96	1640
		Middle	1962.50	27.09	21.20	48.29	67.48	
		High	1985.00	27.14	21.20	48.34	68.27	
	16QAM	Low	1940.00	27.09	21.20	48.29	67.46	
		Middle	1962.50	27.05	21.20	48.25	66.83	
		High	1985.00	27.18	21.20	48.38	68.79	
	64QAM	Low	1940.00	26.93	21.20	48.13	64.96	
		Middle	1962.50	27.03	21.20	48.23	66.52	
		High	1985.00	27.13	21.20	48.33	68.07	
	256QAM	Low	1940.00	26.95	21.20	48.15	65.38	
		Middle	1962.50	27.07	21.20	48.27	67.22	
		High	1985.00	27.11	21.20	48.31	67.79	
Port 7	QPSK	Low	1940.00	27.23	21.20	48.43	69.67	1640
		Middle	1962.50	27.41	21.20	48.61	72.53	
		High	1985.00	27.34	21.20	48.54	71.45	
	16QAM	Low	1940.00	27.40	21.20	48.60	72.47	
		Middle	1962.50	27.39	21.20	48.59	72.28	
		High	1985.00	27.44	21.20	48.64	73.13	
	64QAM	Low	1940.00	27.31	21.20	48.51	71.00	
		Middle	1962.50	27.39	21.20	48.59	72.25	
		High	1985.00	27.41	21.20	48.61	72.61	
	256QAM	Low	1940.00	27.24	21.20	48.44	69.84	
		Middle	1962.50	27.39	21.20	48.59	72.21	
		High	1985.00	27.44	21.20	48.64	73.11	
Port 8	QPSK	Low	1940.00	27.21	21.20	48.41	69.27	1640
		Middle	1962.50	27.33	21.20	48.53	71.32	
		High	1985.00	27.29	21.20	48.49	70.60	
	16QAM	Low	1940.00	27.30	21.20	48.50	70.85	
		Middle	1962.50	27.24	21.20	48.44	69.82	
		High	1985.00	27.29	21.20	48.49	70.57	
	64QAM	Low	1940.00	27.25	21.20	48.45	69.92	
		Middle	1962.50	27.28	21.20	48.48	70.46	
		High	1985.00	27.29	21.20	48.49	70.63	
	256QAM	Low	1940.00	27.22	21.20	48.42	69.46	
		Middle	1962.50	27.35	21.20	48.55	71.55	
		High	1985.00	27.28	21.20	48.48	70.51	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	Low	1940.00	27.15	21.20	48.35	68.40	1640
		Middle	1962.50	27.36	21.20	48.56	71.80	
		High	1985.00	27.36	21.20	48.56	71.77	
	16QAM	Low	1940.00	27.37	21.20	48.57	71.93	
		Middle	1962.50	27.38	21.20	48.58	72.11	
		High	1985.00	27.43	21.20	48.63	72.89	
	64QAM	Low	1940.00	27.26	21.20	48.46	70.16	
		Middle	1962.50	27.35	21.20	48.55	71.67	
		High	1985.00	27.35	21.20	48.55	71.57	
	256QAM	Low	1940.00	27.31	21.20	48.51	70.92	
		Middle	1962.50	27.33	21.20	48.53	71.36	
		High	1985.00	27.37	21.20	48.57	71.92	
Port 10	QPSK	Low	1940.00	27.02	21.20	48.22	66.39	1640
		Middle	1962.50	27.28	21.20	48.48	70.51	
		High	1985.00	27.32	21.20	48.52	71.15	
	16QAM	Low	1940.00	27.25	21.20	48.45	69.92	
		Middle	1962.50	27.29	21.20	48.49	70.61	
		High	1985.00	27.37	21.20	48.57	71.97	
	64QAM	Low	1940.00	27.12	21.20	48.32	67.85	
		Middle	1962.50	27.22	21.20	48.42	69.51	
		High	1985.00	27.27	21.20	48.47	70.37	
	256QAM	Low	1940.00	27.11	21.20	48.31	67.81	
		Middle	1962.50	27.29	21.20	48.49	70.67	
		High	1985.00	27.25	21.20	48.45	70.00	
Port 11	QPSK	Low	1940.00	27.04	21.20	48.24	66.63	1640
		Middle	1962.50	27.17	21.20	48.37	68.70	
		High	1985.00	27.13	21.20	48.33	68.12	
	16QAM	Low	1940.00	27.18	21.20	48.38	68.90	
		Middle	1962.50	27.28	21.20	48.48	70.40	
		High	1985.00	27.27	21.20	48.47	70.34	
	64QAM	Low	1940.00	27.11	21.20	48.31	67.81	
		Middle	1962.50	27.12	21.20	48.32	67.95	
		High	1985.00	27.20	21.20	48.40	69.22	
	256QAM	Low	1940.00	27.13	21.20	48.33	68.05	
		Middle	1962.50	27.14	21.20	48.34	68.28	
		High	1985.00	27.18	21.20	48.38	68.81	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 12	QPSK	Low	1940.00	26.96	21.20	48.16	65.43	1640
		Middle	1962.50	27.12	21.20	48.32	67.91	
		High	1985.00	27.05	21.20	48.25	66.78	
	16QAM	Low	1940.00	27.08	21.20	48.28	67.28	
		Middle	1962.50	27.09	21.20	48.29	67.38	
		High	1985.00	27.06	21.20	48.26	67.00	
	64QAM	Low	1940.00	27.01	21.20	48.21	66.19	
		Middle	1962.50	27.11	21.20	48.31	67.81	
		High	1985.00	27.01	21.20	48.21	66.29	
	256QAM	Low	1940.00	26.97	21.20	48.17	65.64	
		Middle	1962.50	27.07	21.20	48.27	67.12	
		High	1985.00	27.03	21.20	48.23	66.53	
Port 13	QPSK	Low	1940.00	27.22	21.20	48.42	69.46	1640
		Middle	1962.50	27.36	21.20	48.56	71.73	
		High	1985.00	27.44	21.20	48.64	73.15	
	16QAM	Low	1940.00	27.48	21.20	48.68	73.82	
		Middle	1962.50	27.37	21.20	48.57	71.91	
		High	1985.00	27.46	21.20	48.66	73.51	
	64QAM	Low	1940.00	27.36	21.20	48.56	71.76	
		Middle	1962.50	27.38	21.20	48.58	72.08	
		High	1985.00	27.49	21.20	48.69	73.91	
	256QAM	Low	1940.00	27.35	21.20	48.55	71.60	
		Middle	1962.50	27.42	21.20	48.62	72.78	
		High	1985.00	27.40	21.20	48.60	72.47	
Port 14	QPSK	Low	1940.00	27.20	21.20	48.40	69.11	1640
		Middle	1962.50	27.34	21.20	48.54	71.50	
		High	1985.00	27.38	21.20	48.58	72.17	
	16QAM	Low	1940.00	27.34	21.20	48.54	71.42	
		Middle	1962.50	27.36	21.20	48.56	71.80	
		High	1985.00	27.42	21.20	48.62	72.82	
	64QAM	Low	1940.00	27.21	21.20	48.41	69.37	
		Middle	1962.50	27.40	21.20	48.60	72.51	
		High	1985.00	27.30	21.20	48.50	70.85	
	256QAM	Low	1940.00	27.27	21.20	48.47	70.30	
		Middle	1962.50	27.38	21.20	48.58	72.09	
		High	1985.00	27.39	21.20	48.59	72.36	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 15	QPSK	Low	1940.00	27.22	21.20	48.42	69.45	1640
		Middle	1962.50	27.30	21.20	48.50	70.72	
		High	1985.00	27.31	21.20	48.51	70.98	
	16QAM	Low	1940.00	27.36	21.20	48.56	71.76	
		Middle	1962.50	27.42	21.20	48.62	72.76	
		High	1985.00	27.43	21.20	48.63	73.00	
	64QAM	Low	1940.00	27.33	21.20	48.53	71.33	
		Middle	1962.50	27.34	21.20	48.54	71.45	
		High	1985.00	27.39	21.20	48.59	72.27	
	256QAM	Low	1940.00	27.29	21.20	48.49	70.58	
		Middle	1962.50	27.25	21.20	48.45	69.94	
		High	1985.00	27.36	21.20	48.56	71.77	
Port 16	QPSK	Low	1940.00	27.20	21.20	48.40	69.13	1640
		Middle	1962.50	27.31	21.20	48.51	70.91	
		High	1985.00	27.20	21.20	48.40	69.19	
	16QAM	Low	1940.00	27.29	21.20	48.49	70.62	
		Middle	1962.50	27.23	21.20	48.43	69.70	
		High	1985.00	27.30	21.20	48.50	70.78	
	64QAM	Low	1940.00	27.25	21.20	48.45	69.92	
		Middle	1962.50	27.31	21.20	48.51	70.92	
		High	1985.00	27.23	21.20	48.43	69.60	
	256QAM	Low	1940.00	27.25	21.20	48.45	70.05	
		Middle	1962.50	27.29	21.20	48.49	70.59	
		High	1985.00	27.24	21.20	48.44	69.83	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1940.00	164.55	171.23	167.62	167.76
1962.50	170.25	170.51	170.11	170.29
1985.00	170.18	172.96	170.44	170.40

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
1940.00	1084.59	1128.59	1104.85	1105.77	1640
1962.50	1122.20	1123.84	1121.25	1122.41	
1985.00	1121.73	1140.01	1123.44	1123.13	

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier [2 Carrier]

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	Low	2125.00	24.68	21.40	46.08	40.60	1640
		Middle	2145.00	24.75	21.40	46.15	41.18	
		High	2165.00	24.73	21.40	46.13	41.04	
	16QAM	Low	2125.00	24.54	21.40	45.94	39.31	
		Middle	2145.00	24.69	21.40	46.09	40.68	
		High	2165.00	24.70	21.40	46.10	40.77	
	64QAM	Low	2125.00	24.60	21.40	46.00	39.78	
		Middle	2145.00	24.75	21.40	46.15	41.23	
		High	2165.00	24.71	21.40	46.11	40.86	
	256QAM	Low	2125.00	24.44	21.40	45.84	38.37	
		Middle	2145.00	24.63	21.40	46.03	40.09	
		High	2165.00	24.61	21.40	46.01	39.94	
Port 2	QPSK	Low	2125.00	24.76	21.40	46.16	41.35	1640
		Middle	2145.00	24.68	21.40	46.08	40.50	
		High	2165.00	24.83	21.40	46.23	41.97	
	16QAM	Low	2125.00	24.61	21.40	46.01	39.88	
		Middle	2145.00	24.60	21.40	46.00	39.83	
		High	2165.00	24.76	21.40	46.16	41.30	
	64QAM	Low	2125.00	24.61	21.40	46.01	39.93	
		Middle	2145.00	24.71	21.40	46.11	40.80	
		High	2165.00	24.77	21.40	46.17	41.43	
	256QAM	Low	2125.00	24.62	21.40	46.02	40.04	
		Middle	2145.00	24.58	21.40	45.98	39.63	
		High	2165.00	24.64	21.40	46.04	40.15	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 3	QPSK	Low	2125.00	24.80	21.40	46.20	41.66	1640
		Middle	2145.00	24.77	21.40	46.17	41.40	
		High	2165.00	24.83	21.40	46.23	41.98	
	16QAM	Low	2125.00	24.67	21.40	46.07	40.50	
		Middle	2145.00	24.71	21.40	46.11	40.80	
		High	2165.00	24.69	21.40	46.09	40.63	
	64QAM	Low	2125.00	24.73	21.40	46.13	40.98	
		Middle	2145.00	24.81	21.40	46.21	41.83	
		High	2165.00	24.69	21.40	46.09	40.69	
	256QAM	Low	2125.00	24.65	21.40	46.05	40.26	
		Middle	2145.00	24.70	21.40	46.10	40.78	
		High	2165.00	24.63	21.40	46.03	40.08	
Port 4	QPSK	Low	2125.00	24.77	21.40	46.17	41.39	1640
		Middle	2145.00	24.72	21.40	46.12	40.95	
		High	2165.00	24.71	21.40	46.11	40.82	
	16QAM	Low	2125.00	24.58	21.40	45.98	39.62	
		Middle	2145.00	24.67	21.40	46.07	40.44	
		High	2165.00	24.58	21.40	45.98	39.60	
	64QAM	Low	2125.00	24.66	21.40	46.06	40.38	
		Middle	2145.00	24.75	21.40	46.15	41.22	
		High	2165.00	24.64	21.40	46.04	40.18	
	256QAM	Low	2125.00	24.59	21.40	45.99	39.68	
		Middle	2145.00	24.71	21.40	46.11	40.88	
		High	2165.00	24.58	21.40	45.98	39.67	
Port 5	QPSK	Low	2125.00	24.80	21.40	46.20	41.67	1640
		Middle	2145.00	24.66	21.40	46.06	40.35	
		High	2165.00	24.62	21.40	46.02	39.99	
	16QAM	Low	2125.00	24.68	21.40	46.08	40.52	
		Middle	2145.00	24.67	21.40	46.07	40.43	
		High	2165.00	24.54	21.40	45.94	39.22	
	64QAM	Low	2125.00	24.71	21.40	46.11	40.83	
		Middle	2145.00	24.77	21.40	46.17	41.36	
		High	2165.00	24.64	21.40	46.04	40.17	
	256QAM	Low	2125.00	24.58	21.40	45.98	39.65	
		Middle	2145.00	24.63	21.40	46.03	40.05	
		High	2165.00	24.59	21.40	45.99	39.71	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 6	QPSK	Low	2125.00	24.84	21.40	46.24	42.09	1640
		Middle	2145.00	24.81	21.40	46.21	41.81	
		High	2165.00	24.88	21.40	46.28	42.48	
	16QAM	Low	2125.00	24.71	21.40	46.11	40.88	
		Middle	2145.00	24.74	21.40	46.14	41.14	
		High	2165.00	24.69	21.40	46.09	40.69	
	64QAM	Low	2125.00	24.71	21.40	46.11	40.80	
		Middle	2145.00	24.80	21.40	46.20	41.73	
		High	2165.00	24.80	21.40	46.20	41.70	
	256QAM	Low	2125.00	24.70	21.40	46.10	40.77	
		Middle	2145.00	24.75	21.40	46.15	41.17	
		High	2165.00	24.72	21.40	46.12	40.96	
Port 7	QPSK	Low	2125.00	24.56	21.40	45.96	39.46	1640
		Middle	2145.00	24.56	21.40	45.96	39.46	
		High	2165.00	24.58	21.40	45.98	39.66	
	16QAM	Low	2125.00	24.41	21.40	45.81	38.14	
		Middle	2145.00	24.53	21.40	45.93	39.16	
		High	2165.00	24.55	21.40	45.95	39.33	
	64QAM	Low	2125.00	24.48	21.40	45.88	38.69	
		Middle	2145.00	24.62	21.40	46.02	39.99	
		High	2165.00	24.46	21.40	45.86	38.56	
	256QAM	Low	2125.00	24.37	21.40	45.77	37.78	
		Middle	2145.00	24.56	21.40	45.96	39.41	
		High	2165.00	24.48	21.40	45.88	38.68	
Port 8	QPSK	Low	2125.00	24.84	21.40	46.24	42.07	1640
		Middle	2145.00	24.82	21.40	46.22	41.88	
		High	2165.00	24.76	21.40	46.16	41.32	
	16QAM	Low	2125.00	24.81	21.40	46.21	41.74	
		Middle	2145.00	24.84	21.40	46.24	42.10	
		High	2165.00	24.71	21.40	46.11	40.84	
	64QAM	Low	2125.00	24.82	21.40	46.22	41.87	
		Middle	2145.00	24.92	21.40	46.32	42.83	
		High	2165.00	24.80	21.40	46.20	41.73	
	256QAM	Low	2125.00	24.70	21.40	46.10	40.72	
		Middle	2145.00	24.78	21.40	46.18	41.48	
		High	2165.00	24.65	21.40	46.05	40.29	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	Low	2125.00	24.67	21.40	46.07	40.45	1640
		Middle	2145.00	24.72	21.40	46.12	40.94	
		High	2165.00	24.77	21.40	46.17	41.43	
	16QAM	Low	2125.00	24.61	21.40	46.01	39.94	
		Middle	2145.00	24.79	21.40	46.19	41.59	
		High	2165.00	24.75	21.40	46.15	41.20	
	64QAM	Low	2125.00	24.65	21.40	46.05	40.29	
		Middle	2145.00	24.80	21.40	46.20	41.65	
		High	2165.00	24.81	21.40	46.21	41.75	
	256QAM	Low	2125.00	24.57	21.40	45.97	39.54	
		Middle	2145.00	24.70	21.40	46.10	40.69	
		High	2165.00	24.74	21.40	46.14	41.14	
Port 10	QPSK	Low	2125.00	24.61	21.40	46.01	39.92	1640
		Middle	2145.00	24.70	21.40	46.10	40.70	
		High	2165.00	24.59	21.40	45.99	39.76	
	16QAM	Low	2125.00	24.48	21.40	45.88	38.73	
		Middle	2145.00	24.67	21.40	46.07	40.42	
		High	2165.00	24.54	21.40	45.94	39.24	
	64QAM	Low	2125.00	24.55	21.40	45.95	39.33	
		Middle	2145.00	24.78	21.40	46.18	41.49	
		High	2165.00	24.65	21.40	46.05	40.26	
	256QAM	Low	2125.00	24.50	21.40	45.90	38.92	
		Middle	2145.00	24.64	21.40	46.04	40.22	
		High	2165.00	24.54	21.40	45.94	39.31	
Port 11	QPSK	Low	2125.00	24.83	21.40	46.23	41.97	1640
		Middle	2145.00	24.74	21.40	46.14	41.12	
		High	2165.00	24.70	21.40	46.10	40.76	
	16QAM	Low	2125.00	24.63	21.40	46.03	40.07	
		Middle	2145.00	24.79	21.40	46.19	41.56	
		High	2165.00	24.62	21.40	46.02	39.97	
	64QAM	Low	2125.00	24.74	21.40	46.14	41.11	
		Middle	2145.00	24.82	21.40	46.22	41.92	
		High	2165.00	24.76	21.40	46.16	41.33	
	256QAM	Low	2125.00	24.62	21.40	46.02	40.04	
		Middle	2145.00	24.76	21.40	46.16	41.31	
		High	2165.00	24.65	21.40	46.05	40.24	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 12	QPSK	Low	2125.00	24.63	21.40	46.03	40.10	1640
		Middle	2145.00	24.71	21.40	46.11	40.83	
		High	2165.00	24.64	21.40	46.04	40.17	
	16QAM	Low	2125.00	24.63	21.40	46.03	40.06	
		Middle	2145.00	24.68	21.40	46.08	40.55	
		High	2165.00	24.58	21.40	45.98	39.63	
	64QAM	Low	2125.00	24.67	21.40	46.07	40.44	
		Middle	2145.00	24.84	21.40	46.24	42.07	
		High	2165.00	24.77	21.40	46.17	41.37	
	256QAM	Low	2125.00	24.61	21.40	46.01	39.94	
		Middle	2145.00	24.69	21.40	46.09	40.64	
		High	2165.00	24.64	21.40	46.04	40.15	
Port 13	QPSK	Low	2125.00	24.50	21.40	45.90	38.87	1640
		Middle	2145.00	24.56	21.40	45.96	39.47	
		High	2165.00	24.54	21.40	45.94	39.25	
	16QAM	Low	2125.00	24.46	21.40	45.86	38.58	
		Middle	2145.00	24.58	21.40	45.98	39.62	
		High	2165.00	24.56	21.40	45.96	39.45	
	64QAM	Low	2125.00	24.49	21.40	45.89	38.78	
		Middle	2145.00	24.65	21.40	46.05	40.24	
		High	2165.00	24.58	21.40	45.98	39.62	
	256QAM	Low	2125.00	24.38	21.40	45.78	37.88	
		Middle	2145.00	24.53	21.40	45.93	39.16	
		High	2165.00	24.46	21.40	45.86	38.51	
Port 14	QPSK	Low	2125.00	24.65	21.40	46.05	40.31	1640
		Middle	2145.00	24.65	21.40	46.05	40.24	
		High	2165.00	24.63	21.40	46.03	40.04	
	16QAM	Low	2125.00	24.54	21.40	45.94	39.22	
		Middle	2145.00	24.63	21.40	46.03	40.11	
		High	2165.00	24.55	21.40	45.95	39.36	
	64QAM	Low	2125.00	24.64	21.40	46.04	40.16	
		Middle	2145.00	24.72	21.40	46.12	40.95	
		High	2165.00	24.65	21.40	46.05	40.31	
	256QAM	Low	2125.00	24.58	21.40	45.98	39.64	
		Middle	2145.00	24.61	21.40	46.01	39.90	
		High	2165.00	24.59	21.40	45.99	39.76	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 15	QPSK	Low	2125.00	24.70	21.40	46.10	40.71	1640
		Middle	2145.00	24.79	21.40	46.19	41.62	
		High	2165.00	24.79	21.40	46.19	41.61	
	16QAM	Low	2125.00	24.62	21.40	46.02	39.98	
		Middle	2145.00	24.71	21.40	46.11	40.79	
		High	2165.00	24.76	21.40	46.16	41.29	
	64QAM	Low	2125.00	24.64	21.40	46.04	40.21	
		Middle	2145.00	24.85	21.40	46.25	42.17	
		High	2165.00	24.77	21.40	46.17	41.40	
	256QAM	Low	2125.00	24.52	21.40	45.92	39.11	
		Middle	2145.00	24.76	21.40	46.16	41.32	
		High	2165.00	24.79	21.40	46.19	41.58	
Port 16	QPSK	Low	2125.00	24.54	21.40	45.94	39.31	1640
		Middle	2145.00	24.71	21.40	46.11	40.87	
		High	2165.00	24.67	21.40	46.07	40.44	
	16QAM	Low	2125.00	24.49	21.40	45.89	38.81	
		Middle	2145.00	24.70	21.40	46.10	40.75	
		High	2165.00	24.59	21.40	45.99	39.74	
	64QAM	Low	2125.00	24.58	21.40	45.98	39.65	
		Middle	2145.00	24.76	21.40	46.16	41.26	
		High	2165.00	24.71	21.40	46.11	40.86	
	256QAM	Low	2125.00	24.45	21.40	45.85	38.42	
		Middle	2145.00	24.64	21.40	46.04	40.22	
		High	2165.00	24.59	21.40	45.99	39.70	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2125.00	141.70	138.23	139.81	137.10
2145.00	142.01	141.28	144.06	140.62
2165.00	141.87	139.60	141.77	139.08

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
2125.00	651.93	635.96	643.24	630.77	1640
2145.00	653.33	649.98	662.75	646.95	
2165.00	652.73	642.28	652.23	639.87	

LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier [3 Carrier]

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	Low	1942.50	26.04	21.20	47.24	52.95	1640
		Middle	1962.50	26.11	21.20	47.31	53.82	
		High	1982.50	26.28	21.20	47.48	56.00	
	16QAM	Low	1942.50	26.16	21.20	47.36	54.50	
		Middle	1962.50	26.26	21.20	47.46	55.68	
		High	1982.50	26.32	21.20	47.52	56.53	
	64QAM	Low	1942.50	26.03	21.20	47.23	52.86	
		Middle	1962.50	26.14	21.20	47.34	54.21	
		High	1982.50	26.29	21.20	47.49	56.15	
	256QAM	Low	1942.50	26.07	21.20	47.27	53.30	
		Middle	1962.50	26.12	21.20	47.32	53.98	
		High	1982.50	26.30	21.20	47.50	56.21	
Port 2	QPSK	Low	1942.50	26.11	21.20	47.31	53.87	1640
		Middle	1962.50	26.08	21.20	47.28	53.51	
		High	1982.50	26.18	21.20	47.38	54.73	
	16QAM	Low	1942.50	26.09	21.20	47.29	53.63	
		Middle	1962.50	26.24	21.20	47.44	55.47	
		High	1982.50	26.26	21.20	47.46	55.69	
	64QAM	Low	1942.50	26.08	21.20	47.28	53.46	
		Middle	1962.50	26.14	21.20	47.34	54.20	
		High	1982.50	26.20	21.20	47.40	54.90	
	256QAM	Low	1942.50	26.04	21.20	47.24	53.01	
		Middle	1962.50	26.08	21.20	47.28	53.50	
		High	1982.50	26.24	21.20	47.44	55.50	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 3	QPSK	Low	1942.50	26.14	21.20	47.34	54.20	1640
		Middle	1962.50	26.14	21.20	47.34	54.17	
		High	1982.50	26.22	21.20	47.42	55.20	
	16QAM	Low	1942.50	26.15	21.20	47.35	54.35	
		Middle	1962.50	26.22	21.20	47.42	55.27	
		High	1982.50	26.28	21.20	47.48	55.94	
	64QAM	Low	1942.50	26.09	21.20	47.29	53.61	
		Middle	1962.50	26.10	21.20	47.30	53.74	
		High	1982.50	26.23	21.20	47.43	55.32	
	256QAM	Low	1942.50	26.07	21.20	47.27	53.31	
		Middle	1962.50	26.12	21.20	47.32	53.92	
		High	1982.50	26.25	21.20	47.45	55.54	
Port 4	QPSK	Low	1942.50	25.83	21.20	47.03	50.51	1640
		Middle	1962.50	25.98	21.20	47.18	52.19	
		High	1982.50	26.15	21.20	47.35	54.26	
	16QAM	Low	1942.50	25.95	21.20	47.15	51.89	
		Middle	1962.50	26.16	21.20	47.36	54.49	
		High	1982.50	26.19	21.20	47.39	54.88	
	64QAM	Low	1942.50	25.84	21.20	47.04	50.63	
		Middle	1962.50	26.02	21.20	47.22	52.73	
		High	1982.50	26.11	21.20	47.31	53.86	
	256QAM	Low	1942.50	25.84	21.20	47.04	50.56	
		Middle	1962.50	25.97	21.20	47.17	52.08	
		High	1982.50	26.14	21.20	47.34	54.20	
Port 5	QPSK	Low	1942.50	26.17	21.20	47.37	54.51	1640
		Middle	1962.50	26.18	21.20	47.38	54.69	
		High	1982.50	26.27	21.20	47.47	55.90	
	16QAM	Low	1942.50	26.25	21.20	47.45	55.65	
		Middle	1962.50	26.30	21.20	47.50	56.25	
		High	1982.50	26.31	21.20	47.51	56.41	
	64QAM	Low	1942.50	26.18	21.20	47.38	54.65	
		Middle	1962.50	26.25	21.20	47.45	55.57	
		High	1982.50	26.29	21.20	47.49	56.15	
	256QAM	Low	1942.50	26.22	21.20	47.42	55.19	
		Middle	1962.50	26.25	21.20	47.45	55.53	
		High	1982.50	26.29	21.20	47.49	56.08	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 6	QPSK	Low	1942.50	25.91	21.20	47.11	51.45	1640
		Middle	1962.50	26.00	21.20	47.20	52.54	
		High	1982.50	26.06	21.20	47.26	53.20	
	16QAM	Low	1942.50	26.00	21.20	47.20	52.52	
		Middle	1962.50	26.07	21.20	47.27	53.35	
		High	1982.50	26.15	21.20	47.35	54.39	
	64QAM	Low	1942.50	25.95	21.20	47.15	51.93	
		Middle	1962.50	25.95	21.20	47.15	51.90	
		High	1982.50	26.09	21.20	47.29	53.60	
	256QAM	Low	1942.50	25.91	21.20	47.11	51.40	
		Middle	1962.50	25.94	21.20	47.14	51.75	
		High	1982.50	26.09	21.20	47.29	53.55	
Port 7	QPSK	Low	1942.50	26.10	21.20	47.30	53.72	1640
		Middle	1962.50	26.27	21.20	47.47	55.85	
		High	1982.50	26.35	21.20	47.55	56.87	
	16QAM	Low	1942.50	26.28	21.20	47.48	55.97	
		Middle	1962.50	26.49	21.20	47.69	58.69	
		High	1982.50	26.39	21.20	47.59	57.40	
	64QAM	Low	1942.50	26.08	21.20	47.28	53.46	
		Middle	1962.50	26.33	21.20	47.53	56.60	
		High	1982.50	26.37	21.20	47.57	57.10	
	256QAM	Low	1942.50	26.13	21.20	47.33	54.12	
		Middle	1962.50	26.29	21.20	47.49	56.05	
		High	1982.50	26.40	21.20	47.60	57.54	
Port 8	QPSK	Low	1942.50	26.15	21.20	47.35	54.31	1640
		Middle	1962.50	26.27	21.20	47.47	55.79	
		High	1982.50	26.32	21.20	47.52	56.50	
	16QAM	Low	1942.50	26.25	21.20	47.45	55.57	
		Middle	1962.50	26.37	21.20	47.57	57.18	
		High	1982.50	26.37	21.20	47.57	57.11	
	64QAM	Low	1942.50	26.13	21.20	47.33	54.05	
		Middle	1962.50	26.26	21.20	47.46	55.71	
		High	1982.50	26.41	21.20	47.61	57.72	
	256QAM	Low	1942.50	26.14	21.20	47.34	54.24	
		Middle	1962.50	26.29	21.20	47.49	56.05	
		High	1982.50	26.37	21.20	47.57	57.16	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	Low	1942.50	26.06	21.20	47.26	53.16	1640
		Middle	1962.50	26.27	21.20	47.47	55.79	
		High	1982.50	26.36	21.20	47.56	57.03	
	16QAM	Low	1942.50	26.25	21.20	47.45	55.54	
		Middle	1962.50	26.41	21.20	47.61	57.69	
		High	1982.50	26.41	21.20	47.61	57.62	
	64QAM	Low	1942.50	26.10	21.20	47.30	53.71	
		Middle	1962.50	26.26	21.20	47.46	55.70	
		High	1982.50	26.40	21.20	47.60	57.60	
	256QAM	Low	1942.50	26.13	21.20	47.33	54.02	
		Middle	1962.50	26.25	21.20	47.45	55.58	
		High	1982.50	26.35	21.20	47.55	56.95	
Port 10	QPSK	Low	1942.50	25.96	21.20	47.16	52.04	1640
		Middle	1962.50	26.20	21.20	47.40	54.90	
		High	1982.50	26.27	21.20	47.47	55.81	
	16QAM	Low	1942.50	26.09	21.20	47.29	53.57	
		Middle	1962.50	26.33	21.20	47.53	56.56	
		High	1982.50	26.24	21.20	47.44	55.43	
	64QAM	Low	1942.50	25.98	21.20	47.18	52.20	
		Middle	1962.50	26.22	21.20	47.42	55.23	
		High	1982.50	26.29	21.20	47.49	56.13	
	256QAM	Low	1942.50	26.05	21.20	47.25	53.13	
		Middle	1962.50	26.21	21.20	47.41	55.09	
		High	1982.50	26.27	21.20	47.47	55.89	
Port 11	QPSK	Low	1942.50	26.09	21.20	47.29	53.52	1640
		Middle	1962.50	26.18	21.20	47.38	54.72	
		High	1982.50	26.27	21.20	47.47	55.89	
	16QAM	Low	1942.50	26.12	21.20	47.32	53.97	
		Middle	1962.50	26.24	21.20	47.44	55.46	
		High	1982.50	26.30	21.20	47.50	56.23	
	64QAM	Low	1942.50	26.05	21.20	47.25	53.08	
		Middle	1962.50	26.22	21.20	47.42	55.20	
		High	1982.50	26.30	21.20	47.50	56.21	
	256QAM	Low	1942.50	26.05	21.20	47.25	53.07	
		Middle	1962.50	26.25	21.20	47.45	55.58	
		High	1982.50	26.29	21.20	47.49	56.05	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 12	QPSK	Low	1942.50	25.92	21.20	47.12	51.48	1640
		Middle	1962.50	25.99	21.20	47.19	52.41	
		High	1982.50	26.04	21.20	47.24	53.01	
	16QAM	Low	1942.50	25.94	21.20	47.14	51.74	
		Middle	1962.50	26.10	21.20	47.30	53.69	
		High	1982.50	26.07	21.20	47.27	53.31	
	64QAM	Low	1942.50	25.94	21.20	47.14	51.81	
		Middle	1962.50	26.04	21.20	47.24	52.96	
		High	1982.50	26.08	21.20	47.28	53.43	
	256QAM	Low	1942.50	25.91	21.20	47.11	51.44	
		Middle	1962.50	26.00	21.20	47.20	52.49	
		High	1982.50	26.02	21.20	47.22	52.78	
Port 13	QPSK	Low	1942.50	26.12	21.20	47.32	54.01	1640
		Middle	1962.50	26.31	21.20	47.51	56.34	
		High	1982.50	26.42	21.20	47.62	57.85	
	16QAM	Low	1942.50	26.27	21.20	47.47	55.79	
		Middle	1962.50	26.37	21.20	47.57	57.18	
		High	1982.50	26.46	21.20	47.66	58.40	
	64QAM	Low	1942.50	26.18	21.20	47.38	54.64	
		Middle	1962.50	26.32	21.20	47.52	56.50	
		High	1982.50	26.46	21.20	47.66	58.40	
	256QAM	Low	1942.50	26.21	21.20	47.41	55.02	
		Middle	1962.50	26.33	21.20	47.53	56.63	
		High	1982.50	26.46	21.20	47.66	58.34	
Port 14	QPSK	Low	1942.50	26.17	21.20	47.37	54.62	1640
		Middle	1962.50	26.28	21.20	47.48	55.95	
		High	1982.50	26.42	21.20	47.62	57.83	
	16QAM	Low	1942.50	26.24	21.20	47.44	55.50	
		Middle	1962.50	26.38	21.20	47.58	57.34	
		High	1982.50	26.40	21.20	47.60	57.53	
	64QAM	Low	1942.50	26.19	21.20	47.39	54.78	
		Middle	1962.50	26.30	21.20	47.50	56.27	
		High	1982.50	26.40	21.20	47.60	57.56	
	256QAM	Low	1942.50	26.20	21.20	47.40	54.96	
		Middle	1962.50	26.33	21.20	47.53	56.64	
		High	1982.50	26.41	21.20	47.61	57.61	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 15	QPSK	Low	1942.50	26.15	21.20	47.35	54.30	1640
		Middle	1962.50	26.31	21.20	47.51	56.32	
		High	1982.50	26.36	21.20	47.56	56.96	
	16QAM	Low	1942.50	26.21	21.20	47.41	55.10	
		Middle	1962.50	26.36	21.20	47.56	57.04	
		High	1982.50	26.34	21.20	47.54	56.73	
	64QAM	Low	1942.50	26.15	21.20	47.35	54.35	
		Middle	1962.50	26.31	21.20	47.51	56.34	
		High	1982.50	26.36	21.20	47.56	56.98	
	256QAM	Low	1942.50	26.21	21.20	47.41	55.04	
		Middle	1962.50	26.32	21.20	47.52	56.54	
		High	1982.50	26.45	21.20	47.65	58.21	
Port 16	QPSK	Low	1942.50	26.15	21.20	47.35	54.29	1640
		Middle	1962.50	26.21	21.20	47.41	55.07	
		High	1982.50	26.28	21.20	47.48	55.93	
	16QAM	Low	1942.50	26.19	21.20	47.39	54.86	
		Middle	1962.50	26.28	21.20	47.48	55.98	
		High	1982.50	26.23	21.20	47.43	55.33	
	64QAM	Low	1942.50	26.13	21.20	47.33	54.07	
		Middle	1962.50	26.24	21.20	47.44	55.44	
		High	1982.50	26.29	21.20	47.49	56.08	
	256QAM	Low	1942.50	26.13	21.20	47.33	54.10	
		Middle	1962.50	26.21	21.20	47.41	55.13	
		High	1982.50	26.24	21.20	47.44	55.45	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1942.50	161.76	165.02	161.82	162.32
1962.50	165.76	170.17	166.57	166.23
1982.50	169.35	170.47	170.15	170.12

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
1942.50	852.97	870.16	853.28	855.92	1640
1962.50	874.07	897.32	878.31	876.55	
1982.50	892.96	898.93	897.19	897.06	

LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier [3 Carrier]

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	Low	1945.00	25.21	21.20	46.41	43.79	1640
		Middle	1962.50	25.50	21.20	46.70	46.75	
		High	1980.00	25.48	21.20	46.68	46.56	
	16QAM	Low	1945.00	25.52	21.20	46.72	46.98	
		Middle	1962.50	25.57	21.20	46.77	47.53	
		High	1980.00	25.56	21.20	46.76	47.47	
	64QAM	Low	1945.00	25.51	21.20	46.71	46.88	
		Middle	1962.50	25.59	21.20	46.79	47.78	
		High	1980.00	25.64	21.20	46.84	48.34	
	256QAM	Low	1945.00	25.55	21.20	46.75	47.27	
		Middle	1962.50	25.56	21.20	46.76	47.41	
		High	1980.00	25.59	21.20	46.79	47.72	
Port 2	QPSK	Low	1945.00	25.23	21.20	46.43	43.99	1640
		Middle	1962.50	25.46	21.20	46.66	46.36	
		High	1980.00	25.38	21.20	46.58	45.55	
	16QAM	Low	1945.00	25.40	21.20	46.60	45.68	
		Middle	1962.50	25.49	21.20	46.69	46.65	
		High	1980.00	25.46	21.20	46.66	46.33	
	64QAM	Low	1945.00	25.39	21.20	46.59	45.62	
		Middle	1962.50	25.45	21.20	46.65	46.25	
		High	1980.00	25.56	21.20	46.76	47.41	
	256QAM	Low	1945.00	25.44	21.20	46.64	46.17	
		Middle	1962.50	25.51	21.20	46.71	46.84	
		High	1980.00	25.56	21.20	46.76	47.41	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 3	QPSK	Low	1945.00	25.31	21.20	46.51	44.75	1640
		Middle	1962.50	25.42	21.20	46.62	45.96	
		High	1980.00	25.39	21.20	46.59	45.62	
	16QAM	Low	1945.00	25.44	21.20	46.64	46.18	
		Middle	1962.50	25.53	21.20	46.73	47.05	
		High	1980.00	25.46	21.20	46.66	46.36	
	64QAM	Low	1945.00	25.46	21.20	46.66	46.31	
		Middle	1962.50	25.49	21.20	46.69	46.71	
		High	1980.00	25.54	21.20	46.74	47.22	
	256QAM	Low	1945.00	25.46	21.20	46.66	46.38	
		Middle	1962.50	25.54	21.20	46.74	47.17	
		High	1980.00	25.53	21.20	46.73	47.15	
Port 4	QPSK	Low	1945.00	25.05	21.20	46.25	42.13	1640
		Middle	1962.50	25.40	21.20	46.60	45.75	
		High	1980.00	25.27	21.20	46.47	44.37	
	16QAM	Low	1945.00	25.35	21.20	46.55	45.22	
		Middle	1962.50	25.42	21.20	46.62	45.95	
		High	1980.00	25.39	21.20	46.59	45.59	
	64QAM	Low	1945.00	25.32	21.20	46.52	44.86	
		Middle	1962.50	25.45	21.20	46.65	46.25	
		High	1980.00	25.45	21.20	46.65	46.26	
	256QAM	Low	1945.00	25.36	21.20	46.56	45.28	
		Middle	1962.50	25.42	21.20	46.62	45.91	
		High	1980.00	25.49	21.20	46.69	46.63	
Port 5	QPSK	Low	1945.00	25.37	21.20	46.57	45.36	1640
		Middle	1962.50	25.57	21.20	46.77	47.52	
		High	1980.00	25.47	21.20	46.67	46.49	
	16QAM	Low	1945.00	25.52	21.20	46.72	46.94	
		Middle	1962.50	25.65	21.20	46.85	48.38	
		High	1980.00	25.54	21.20	46.74	47.18	
	64QAM	Low	1945.00	25.54	21.20	46.74	47.22	
		Middle	1962.50	25.65	21.20	46.85	48.42	
		High	1980.00	25.57	21.20	46.77	47.50	
	256QAM	Low	1945.00	25.57	21.20	46.77	47.51	
		Middle	1962.50	25.64	21.20	46.84	48.30	
		High	1980.00	25.58	21.20	46.78	47.62	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 6	QPSK	Low	1945.00	25.04	21.20	46.24	42.04	1640
		Middle	1962.50	25.34	21.20	46.54	45.07	
		High	1980.00	25.28	21.20	46.48	44.43	
	16QAM	Low	1945.00	25.26	21.20	46.46	44.27	
		Middle	1962.50	25.35	21.20	46.55	45.19	
		High	1980.00	25.38	21.20	46.58	45.47	
	64QAM	Low	1945.00	25.31	21.20	46.51	44.81	
		Middle	1962.50	25.36	21.20	46.56	45.28	
		High	1980.00	25.39	21.20	46.59	45.62	
	256QAM	Low	1945.00	25.25	21.20	46.45	44.17	
		Middle	1962.50	25.39	21.20	46.59	45.63	
		High	1980.00	25.37	21.20	46.57	45.38	
Port 7	QPSK	Low	1945.00	25.34	21.20	46.54	45.06	1640
		Middle	1962.50	25.59	21.20	46.79	47.75	
		High	1980.00	25.56	21.20	46.76	47.44	
	16QAM	Low	1945.00	25.38	21.20	46.58	45.50	
		Middle	1962.50	25.69	21.20	46.89	48.90	
		High	1980.00	25.67	21.20	46.87	48.68	
	64QAM	Low	1945.00	25.62	21.20	46.82	48.11	
		Middle	1962.50	25.75	21.20	46.95	49.51	
		High	1980.00	25.74	21.20	46.94	49.44	
	256QAM	Low	1945.00	25.59	21.20	46.79	47.79	
		Middle	1962.50	25.72	21.20	46.92	49.19	
		High	1980.00	25.73	21.20	46.93	49.37	
Port 8	QPSK	Low	1945.00	25.39	21.20	46.59	45.59	1640
		Middle	1962.50	25.57	21.20	46.77	47.57	
		High	1980.00	25.51	21.20	46.71	46.93	
	16QAM	Low	1945.00	25.38	21.20	46.58	45.48	
		Middle	1962.50	25.66	21.20	46.86	48.51	
		High	1980.00	25.55	21.20	46.75	47.29	
	64QAM	Low	1945.00	25.57	21.20	46.77	47.50	
		Middle	1962.50	25.64	21.20	46.84	48.31	
		High	1980.00	25.61	21.20	46.81	47.95	
	256QAM	Low	1945.00	25.56	21.20	46.76	47.46	
		Middle	1962.50	25.63	21.20	46.83	48.16	
		High	1980.00	25.63	21.20	46.83	48.20	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	Low	1945.00	25.31	21.20	46.51	44.80	1640
		Middle	1962.50	25.52	21.20	46.72	46.94	
		High	1980.00	25.58	21.20	46.78	47.68	
	16QAM	Low	1945.00	25.46	21.20	46.66	46.30	
		Middle	1962.50	25.59	21.20	46.79	47.73	
		High	1980.00	25.63	21.20	46.83	48.17	
	64QAM	Low	1945.00	25.56	21.20	46.76	47.43	
		Middle	1962.50	25.67	21.20	46.87	48.61	
		High	1980.00	25.67	21.20	46.87	48.69	
	256QAM	Low	1945.00	25.57	21.20	46.77	47.49	
		Middle	1962.50	25.59	21.20	46.79	47.72	
		High	1980.00	25.76	21.20	46.96	49.65	
Port 10	QPSK	Low	1945.00	25.13	21.20	46.33	42.97	1640
		Middle	1962.50	25.43	21.20	46.63	46.05	
		High	1980.00	25.49	21.20	46.69	46.67	
	16QAM	Low	1945.00	25.27	21.20	46.47	44.41	
		Middle	1962.50	25.52	21.20	46.72	46.99	
		High	1980.00	25.54	21.20	46.74	47.25	
	64QAM	Low	1945.00	25.47	21.20	46.67	46.49	
		Middle	1962.50	25.53	21.20	46.73	47.04	
		High	1980.00	25.58	21.20	46.78	47.69	
	256QAM	Low	1945.00	25.43	21.20	46.63	46.00	
		Middle	1962.50	25.56	21.20	46.76	47.40	
		High	1980.00	25.55	21.20	46.75	47.37	
Port 11	QPSK	Low	1945.00	25.26	21.20	46.46	44.21	1640
		Middle	1962.50	25.47	21.20	46.67	46.50	
		High	1980.00	25.48	21.20	46.68	46.56	
	16QAM	Low	1945.00	25.37	21.20	46.57	45.35	
		Middle	1962.50	25.55	21.20	46.75	47.27	
		High	1980.00	25.58	21.20	46.78	47.61	
	64QAM	Low	1945.00	25.51	21.20	46.71	46.93	
		Middle	1962.50	25.59	21.20	46.79	47.73	
		High	1980.00	25.61	21.20	46.81	48.02	
	256QAM	Low	1945.00	25.54	21.20	46.74	47.22	
		Middle	1962.50	25.65	21.20	46.85	48.43	
		High	1980.00	25.57	21.20	46.77	47.56	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 12	QPSK	Low	1945.00	25.07	21.20	46.27	42.36	1640
		Middle	1962.50	25.28	21.20	46.48	44.43	
		High	1980.00	25.26	21.20	46.46	44.27	
	16QAM	Low	1945.00	25.20	21.20	46.40	43.65	
		Middle	1962.50	25.36	21.20	46.56	45.30	
		High	1980.00	25.34	21.20	46.54	45.04	
	64QAM	Low	1945.00	25.23	21.20	46.43	43.92	
		Middle	1962.50	25.36	21.20	46.56	45.26	
		High	1980.00	25.36	21.20	46.56	45.33	
	256QAM	Low	1945.00	25.25	21.20	46.45	44.16	
		Middle	1962.50	25.31	21.20	46.51	44.81	
		High	1980.00	25.36	21.20	46.56	45.25	
Port 13	QPSK	Low	1945.00	25.36	21.20	46.56	45.26	1640
		Middle	1962.50	25.57	21.20	46.77	47.48	
		High	1980.00	25.68	21.20	46.88	48.76	
	16QAM	Low	1945.00	25.47	21.20	46.67	46.45	
		Middle	1962.50	25.64	21.20	46.84	48.35	
		High	1980.00	25.67	21.20	46.87	48.61	
	64QAM	Low	1945.00	25.65	21.20	46.85	48.47	
		Middle	1962.50	25.67	21.20	46.87	48.65	
		High	1980.00	25.74	21.20	46.94	49.37	
	256QAM	Low	1945.00	25.65	21.20	46.85	48.38	
		Middle	1962.50	25.66	21.20	46.86	48.49	
		High	1980.00	25.74	21.20	46.94	49.45	
Port 14	QPSK	Low	1945.00	25.26	21.20	46.46	44.22	1640
		Middle	1962.50	25.59	21.20	46.79	47.80	
		High	1980.00	25.58	21.20	46.78	47.61	
	16QAM	Low	1945.00	25.44	21.20	46.64	46.16	
		Middle	1962.50	25.62	21.20	46.82	48.10	
		High	1980.00	25.63	21.20	46.83	48.25	
	64QAM	Low	1945.00	25.55	21.20	46.75	47.34	
		Middle	1962.50	25.68	21.20	46.88	48.73	
		High	1980.00	25.72	21.20	46.92	49.16	
	256QAM	Low	1945.00	25.57	21.20	46.77	47.59	
		Middle	1962.50	25.67	21.20	46.87	48.63	
		High	1980.00	25.70	21.20	46.90	49.01	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 15	QPSK	Low	1945.00	25.38	21.20	46.58	45.46	1640
		Middle	1962.50	25.58	21.20	46.78	47.65	
		High	1980.00	25.49	21.20	46.69	46.66	
	16QAM	Low	1945.00	25.45	21.20	46.65	46.26	
		Middle	1962.50	25.62	21.20	46.82	48.12	
		High	1980.00	25.56	21.20	46.76	47.46	
	64QAM	Low	1945.00	25.61	21.20	46.81	47.93	
		Middle	1962.50	25.63	21.20	46.83	48.18	
		High	1980.00	25.62	21.20	46.82	48.06	
	256QAM	Low	1945.00	25.61	21.20	46.81	47.99	
		Middle	1962.50	25.63	21.20	46.83	48.16	
		High	1980.00	25.60	21.20	46.80	47.90	
Port 16	QPSK	Low	1945.00	25.26	21.20	46.46	44.24	1640
		Middle	1962.50	25.43	21.20	46.63	46.06	
		High	1980.00	25.44	21.20	46.64	46.16	
	16QAM	Low	1945.00	25.38	21.20	46.58	45.51	
		Middle	1962.50	25.53	21.20	46.73	47.09	
		High	1980.00	25.48	21.20	46.68	46.51	
	64QAM	Low	1945.00	25.50	21.20	46.70	46.79	
		Middle	1962.50	25.58	21.20	46.78	47.69	
		High	1980.00	25.55	21.20	46.75	47.36	
	256QAM	Low	1945.00	25.49	21.20	46.69	46.72	
		Middle	1962.50	25.55	21.20	46.75	47.31	
		High	1980.00	25.55	21.20	46.75	47.26	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1945.00	160.72	166.21	169.91	170.13
1962.50	169.69	172.30	173.05	172.85
1980.00	168.81	171.42	173.73	173.62

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
1945.00	706.22	730.35	746.62	747.58	1640
1962.50	745.65	757.11	760.41	759.57	
1980.00	741.76	753.24	763.42	762.94	

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier [3 Carrier]

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	Low	2127.50	24.24	21.40	45.64	36.61	1640
		Middle	2145.00	24.16	21.40	45.56	35.95	
		High	2162.50	24.15	21.40	45.55	35.86	
	16QAM	Low	2127.50	24.12	21.40	45.52	35.65	
		Middle	2145.00	24.17	21.40	45.57	36.02	
		High	2162.50	24.16	21.40	45.56	36.01	
	64QAM	Low	2127.50	24.16	21.40	45.56	35.97	
		Middle	2145.00	24.15	21.40	45.55	35.88	
		High	2162.50	24.09	21.40	45.49	35.40	
	256QAM	Low	2127.50	24.08	21.40	45.48	35.29	
		Middle	2145.00	24.12	21.40	45.52	35.67	
		High	2162.50	24.11	21.40	45.51	35.58	
Port 2	QPSK	Low	2127.50	24.24	21.40	45.64	36.62	1640
		Middle	2145.00	24.05	21.40	45.45	35.10	
		High	2162.50	24.10	21.40	45.50	35.52	
	16QAM	Low	2127.50	24.26	21.40	45.66	36.81	
		Middle	2145.00	24.09	21.40	45.49	35.42	
		High	2162.50	24.14	21.40	45.54	35.77	
	64QAM	Low	2127.50	24.16	21.40	45.56	35.97	
		Middle	2145.00	24.14	21.40	45.54	35.81	
		High	2162.50	24.09	21.40	45.49	35.41	
	256QAM	Low	2127.50	24.13	21.40	45.53	35.70	
		Middle	2145.00	24.05	21.40	45.45	35.05	
		High	2162.50	24.17	21.40	45.57	36.08	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 3	QPSK	Low	2127.50	24.31	21.40	45.71	37.24	1640
		Middle	2145.00	24.21	21.40	45.61	36.40	
		High	2162.50	24.16	21.40	45.56	35.99	
	16QAM	Low	2127.50	24.22	21.40	45.62	36.52	
		Middle	2145.00	24.15	21.40	45.55	35.85	
		High	2162.50	24.20	21.40	45.60	36.35	
	64QAM	Low	2127.50	24.21	21.40	45.61	36.37	
		Middle	2145.00	24.26	21.40	45.66	36.82	
		High	2162.50	24.17	21.40	45.57	36.02	
	256QAM	Low	2127.50	24.19	21.40	45.59	36.18	
		Middle	2145.00	24.24	21.40	45.64	36.68	
		High	2162.50	24.16	21.40	45.56	35.99	
Port 4	QPSK	Low	2127.50	24.18	21.40	45.58	36.12	1640
		Middle	2145.00	24.21	21.40	45.61	36.43	
		High	2162.50	24.10	21.40	45.50	35.48	
	16QAM	Low	2127.50	24.12	21.40	45.52	35.64	
		Middle	2145.00	24.12	21.40	45.52	35.67	
		High	2162.50	24.11	21.40	45.51	35.59	
	64QAM	Low	2127.50	24.16	21.40	45.56	36.01	
		Middle	2145.00	24.20	21.40	45.60	36.35	
		High	2162.50	24.09	21.40	45.49	35.42	
	256QAM	Low	2127.50	24.07	21.40	45.47	35.22	
		Middle	2145.00	24.25	21.40	45.65	36.76	
		High	2162.50	24.10	21.40	45.50	35.51	
Port 5	QPSK	Low	2127.50	24.16	21.40	45.56	35.95	1640
		Middle	2145.00	24.15	21.40	45.55	35.91	
		High	2162.50	24.12	21.40	45.52	35.66	
	16QAM	Low	2127.50	24.16	21.40	45.56	35.94	
		Middle	2145.00	24.11	21.40	45.51	35.54	
		High	2162.50	24.11	21.40	45.51	35.58	
	64QAM	Low	2127.50	24.14	21.40	45.54	35.80	
		Middle	2145.00	24.19	21.40	45.59	36.21	
		High	2162.50	24.10	21.40	45.50	35.51	
	256QAM	Low	2127.50	24.10	21.40	45.50	35.52	
		Middle	2145.00	24.17	21.40	45.57	36.04	
		High	2162.50	24.14	21.40	45.54	35.78	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 6	QPSK	Low	2127.50	24.33	21.40	45.73	37.41	1640
		Middle	2145.00	24.14	21.40	45.54	35.78	
		High	2162.50	24.16	21.40	45.56	35.99	
	16QAM	Low	2127.50	24.24	21.40	45.64	36.62	
		Middle	2145.00	24.21	21.40	45.61	36.41	
		High	2162.50	24.22	21.40	45.62	36.47	
	64QAM	Low	2127.50	24.23	21.40	45.63	36.54	
		Middle	2145.00	24.14	21.40	45.54	35.81	
		High	2162.50	24.18	21.40	45.58	36.15	
	256QAM	Low	2127.50	24.17	21.40	45.57	36.06	
		Middle	2145.00	24.12	21.40	45.52	35.66	
		High	2162.50	24.18	21.40	45.58	36.18	
Port 7	QPSK	Low	2127.50	24.00	21.40	45.40	34.70	1640
		Middle	2145.00	23.97	21.40	45.37	34.42	
		High	2162.50	23.99	21.40	45.39	34.60	
	16QAM	Low	2127.50	24.00	21.40	45.40	34.68	
		Middle	2145.00	24.04	21.40	45.44	34.96	
		High	2162.50	23.96	21.40	45.36	34.37	
	64QAM	Low	2127.50	24.02	21.40	45.42	34.80	
		Middle	2145.00	23.91	21.40	45.31	33.94	
		High	2162.50	23.94	21.40	45.34	34.23	
	256QAM	Low	2127.50	23.87	21.40	45.27	33.64	
		Middle	2145.00	23.95	21.40	45.35	34.27	
		High	2162.50	23.97	21.40	45.37	34.40	
Port 8	QPSK	Low	2127.50	24.29	21.40	45.69	37.03	1640
		Middle	2145.00	24.24	21.40	45.64	36.64	
		High	2162.50	24.23	21.40	45.63	36.59	
	16QAM	Low	2127.50	24.32	21.40	45.72	37.36	
		Middle	2145.00	24.27	21.40	45.67	36.86	
		High	2162.50	24.23	21.40	45.63	36.60	
	64QAM	Low	2127.50	24.30	21.40	45.70	37.11	
		Middle	2145.00	24.29	21.40	45.69	37.04	
		High	2162.50	24.30	21.40	45.70	37.20	
	256QAM	Low	2127.50	24.23	21.40	45.63	36.52	
		Middle	2145.00	24.19	21.40	45.59	36.26	
		High	2162.50	24.27	21.40	45.67	36.91	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	Low	2127.50	24.26	21.40	45.66	36.82	1640
		Middle	2145.00	24.10	21.40	45.50	35.47	
		High	2162.50	24.17	21.40	45.57	36.06	
	16QAM	Low	2127.50	24.19	21.40	45.59	36.26	
		Middle	2145.00	24.15	21.40	45.55	35.89	
		High	2162.50	24.19	21.40	45.59	36.26	
	64QAM	Low	2127.50	24.16	21.40	45.56	36.01	
		Middle	2145.00	24.04	21.40	45.44	34.98	
		High	2162.50	24.16	21.40	45.56	35.96	
	256QAM	Low	2127.50	24.08	21.40	45.48	35.29	
		Middle	2145.00	24.06	21.40	45.46	35.12	
		High	2162.50	24.14	21.40	45.54	35.78	
Port 10	QPSK	Low	2127.50	24.06	21.40	45.46	35.14	1640
		Middle	2145.00	24.05	21.40	45.45	35.05	
		High	2162.50	24.09	21.40	45.49	35.40	
	16QAM	Low	2127.50	24.07	21.40	45.47	35.24	
		Middle	2145.00	24.09	21.40	45.49	35.38	
		High	2162.50	24.13	21.40	45.53	35.76	
	64QAM	Low	2127.50	24.09	21.40	45.49	35.44	
		Middle	2145.00	24.03	21.40	45.43	34.94	
		High	2162.50	24.05	21.40	45.45	35.11	
	256QAM	Low	2127.50	23.96	21.40	45.36	34.39	
		Middle	2145.00	24.04	21.40	45.44	35.00	
		High	2162.50	24.08	21.40	45.48	35.35	
Port 11	QPSK	Low	2127.50	24.27	21.40	45.67	36.87	1640
		Middle	2145.00	24.10	21.40	45.50	35.52	
		High	2162.50	24.13	21.40	45.53	35.70	
	16QAM	Low	2127.50	24.22	21.40	45.62	36.48	
		Middle	2145.00	24.20	21.40	45.60	36.35	
		High	2162.50	24.18	21.40	45.58	36.13	
	64QAM	Low	2127.50	24.20	21.40	45.60	36.30	
		Middle	2145.00	24.12	21.40	45.52	35.64	
		High	2162.50	24.15	21.40	45.55	35.87	
	256QAM	Low	2127.50	24.18	21.40	45.58	36.11	
		Middle	2145.00	24.13	21.40	45.53	35.75	
		High	2162.50	24.16	21.40	45.56	35.96	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 12	QPSK	Low	2127.50	24.13	21.40	45.53	35.75	1640
		Middle	2145.00	24.04	21.40	45.44	35.03	
		High	2162.50	24.14	21.40	45.54	35.80	
	16QAM	Low	2127.50	24.21	21.40	45.61	36.35	
		Middle	2145.00	24.20	21.40	45.60	36.28	
		High	2162.50	24.22	21.40	45.62	36.47	
	64QAM	Low	2127.50	24.21	21.40	45.61	36.38	
		Middle	2145.00	24.12	21.40	45.52	35.62	
		High	2162.50	24.14	21.40	45.54	35.82	
	256QAM	Low	2127.50	24.09	21.40	45.49	35.44	
		Middle	2145.00	24.09	21.40	45.49	35.38	
		High	2162.50	24.15	21.40	45.55	35.90	
Port 13	QPSK	Low	2127.50	24.01	21.40	45.41	34.73	1640
		Middle	2145.00	23.96	21.40	45.36	34.37	
		High	2162.50	24.04	21.40	45.44	35.02	
	16QAM	Low	2127.50	23.99	21.40	45.39	34.58	
		Middle	2145.00	24.03	21.40	45.43	34.95	
		High	2162.50	24.07	21.40	45.47	35.22	
	64QAM	Low	2127.50	23.99	21.40	45.39	34.60	
		Middle	2145.00	23.95	21.40	45.35	34.28	
		High	2162.50	24.01	21.40	45.41	34.74	
	256QAM	Low	2127.50	23.93	21.40	45.33	34.13	
		Middle	2145.00	24.01	21.40	45.41	34.78	
		High	2162.50	24.06	21.40	45.46	35.14	
Port 14	QPSK	Low	2127.50	24.16	21.40	45.56	35.95	1640
		Middle	2145.00	23.98	21.40	45.38	34.54	
		High	2162.50	24.06	21.40	45.46	35.20	
	16QAM	Low	2127.50	24.04	21.40	45.44	34.97	
		Middle	2145.00	24.10	21.40	45.50	35.45	
		High	2162.50	24.11	21.40	45.51	35.54	
	64QAM	Low	2127.50	24.14	21.40	45.54	35.81	
		Middle	2145.00	24.02	21.40	45.42	34.83	
		High	2162.50	24.07	21.40	45.47	35.24	
	256QAM	Low	2127.50	24.04	21.40	45.44	35.03	
		Middle	2145.00	24.02	21.40	45.42	34.85	
		High	2162.50	24.02	21.40	45.42	34.80	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 15	QPSK	Low	2127.50	24.10	21.40	45.50	35.50	1640
		Middle	2145.00	24.07	21.40	45.47	35.23	
		High	2162.50	24.25	21.40	45.65	36.75	
	16QAM	Low	2127.50	24.20	21.40	45.60	36.33	
		Middle	2145.00	24.20	21.40	45.60	36.31	
		High	2162.50	24.26	21.40	45.66	36.79	
	64QAM	Low	2127.50	24.17	21.40	45.57	36.08	
		Middle	2145.00	24.10	21.40	45.50	35.51	
		High	2162.50	24.20	21.40	45.60	36.30	
	256QAM	Low	2127.50	24.03	21.40	45.43	34.91	
		Middle	2145.00	24.11	21.40	45.51	35.56	
		High	2162.50	24.21	21.40	45.61	36.39	
Port 16	QPSK	Low	2127.50	24.02	21.40	45.42	34.81	1640
		Middle	2145.00	24.05	21.40	45.45	35.07	
		High	2162.50	24.12	21.40	45.52	35.66	
	16QAM	Low	2127.50	24.04	21.40	45.44	35.02	
		Middle	2145.00	24.13	21.40	45.53	35.75	
		High	2162.50	24.11	21.40	45.51	35.59	
	64QAM	Low	2127.50	24.01	21.40	45.41	34.72	
		Middle	2145.00	24.09	21.40	45.49	35.43	
		High	2162.50	24.16	21.40	45.56	35.96	
	256QAM	Low	2127.50	24.03	21.40	45.43	34.92	
		Middle	2145.00	24.08	21.40	45.48	35.29	
		High	2162.50	24.16	21.40	45.56	35.99	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2127.50	146.38	145.67	145.53	143.11
2145.00	143.76	145.33	144.31	144.06
2162.50	144.87	145.69	144.63	144.98

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
2127.50	577.26	574.45	573.91	564.36	1640
2145.00	566.90	573.10	569.09	568.12	
2162.50	571.28	574.51	570.34	571.73	

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier [3 Carrier]

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	Low	2132.50	23.02	21.40	44.42	27.68	1640
		Middle	2145.00	23.09	21.40	44.49	28.11	
		High	2157.50	23.14	21.40	44.54	28.46	
	16QAM	Low	2132.50	22.93	21.40	44.33	27.08	
		Middle	2145.00	22.98	21.40	44.38	27.39	
		High	2157.50	22.96	21.40	44.36	27.29	
	64QAM	Low	2132.50	22.91	21.40	44.31	26.98	
		Middle	2145.00	23.00	21.40	44.40	27.52	
		High	2157.50	22.98	21.40	44.38	27.40	
	256QAM	Low	2132.50	22.79	21.40	44.19	26.23	
		Middle	2145.00	22.93	21.40	44.33	27.12	
		High	2157.50	22.86	21.40	44.26	26.65	
Port 2	QPSK	Low	2132.50	22.92	21.40	44.32	27.07	1640
		Middle	2145.00	23.06	21.40	44.46	27.95	
		High	2157.50	23.12	21.40	44.52	28.30	
	16QAM	Low	2132.50	22.91	21.40	44.31	26.99	
		Middle	2145.00	22.97	21.40	44.37	27.33	
		High	2157.50	23.02	21.40	44.42	27.69	
	64QAM	Low	2132.50	22.91	21.40	44.31	26.96	
		Middle	2145.00	22.94	21.40	44.34	27.19	
		High	2157.50	23.04	21.40	44.44	27.80	
	256QAM	Low	2132.50	22.82	21.40	44.22	26.41	
		Middle	2145.00	22.87	21.40	44.27	26.73	
		High	2157.50	22.97	21.40	44.37	27.35	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 3	QPSK	Low	2132.50	23.09	21.40	44.49	28.15	1640
		Middle	2145.00	23.09	21.40	44.49	28.10	
		High	2157.50	23.17	21.40	44.57	28.67	
	16QAM	Low	2132.50	22.96	21.40	44.36	27.28	
		Middle	2145.00	23.01	21.40	44.41	27.60	
		High	2157.50	22.97	21.40	44.37	27.36	
	64QAM	Low	2132.50	22.99	21.40	44.39	27.51	
		Middle	2145.00	23.09	21.40	44.49	28.12	
		High	2157.50	23.05	21.40	44.45	27.85	
	256QAM	Low	2132.50	22.88	21.40	44.28	26.80	
		Middle	2145.00	22.97	21.40	44.37	27.36	
		High	2157.50	22.92	21.40	44.32	27.06	
Port 4	QPSK	Low	2132.50	22.95	21.40	44.35	27.24	1640
		Middle	2145.00	22.99	21.40	44.39	27.48	
		High	2157.50	23.08	21.40	44.48	28.09	
	16QAM	Low	2132.50	22.94	21.40	44.34	27.13	
		Middle	2145.00	22.92	21.40	44.32	27.03	
		High	2157.50	22.93	21.40	44.33	27.10	
	64QAM	Low	2132.50	22.87	21.40	44.27	26.72	
		Middle	2145.00	22.95	21.40	44.35	27.22	
		High	2157.50	22.95	21.40	44.35	27.20	
	256QAM	Low	2132.50	22.82	21.40	44.22	26.40	
		Middle	2145.00	22.85	21.40	44.25	26.59	
		High	2157.50	22.87	21.40	44.27	26.76	
Port 5	QPSK	Low	2132.50	22.96	21.40	44.36	27.30	1640
		Middle	2145.00	23.00	21.40	44.40	27.57	
		High	2157.50	23.15	21.40	44.55	28.52	
	16QAM	Low	2132.50	22.88	21.40	44.28	26.82	
		Middle	2145.00	22.93	21.40	44.33	27.10	
		High	2157.50	22.97	21.40	44.37	27.38	
	64QAM	Low	2132.50	22.94	21.40	44.34	27.18	
		Middle	2145.00	22.93	21.40	44.33	27.07	
		High	2157.50	23.04	21.40	44.44	27.78	
	256QAM	Low	2132.50	22.84	21.40	44.24	26.54	
		Middle	2145.00	22.83	21.40	44.23	26.49	
		High	2157.50	22.95	21.40	44.35	27.24	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 6	QPSK	Low	2132.50	23.09	21.40	44.49	28.15	1640
		Middle	2145.00	23.18	21.40	44.58	28.71	
		High	2157.50	23.16	21.40	44.56	28.57	
	16QAM	Low	2132.50	23.02	21.40	44.42	27.64	
		Middle	2145.00	23.03	21.40	44.43	27.73	
		High	2157.50	23.06	21.40	44.46	27.90	
	64QAM	Low	2132.50	23.03	21.40	44.43	27.72	
		Middle	2145.00	23.12	21.40	44.52	28.32	
		High	2157.50	23.09	21.40	44.49	28.10	
	256QAM	Low	2132.50	22.92	21.40	44.32	27.05	
		Middle	2145.00	23.00	21.40	44.40	27.57	
		High	2157.50	23.02	21.40	44.42	27.68	
Port 7	QPSK	Low	2132.50	22.84	21.40	44.24	26.57	1640
		Middle	2145.00	22.87	21.40	44.27	26.72	
		High	2157.50	22.97	21.40	44.37	27.34	
	16QAM	Low	2132.50	22.67	21.40	44.07	25.50	
		Middle	2145.00	22.85	21.40	44.25	26.60	
		High	2157.50	22.82	21.40	44.22	26.40	
	64QAM	Low	2132.50	22.75	21.40	44.15	26.03	
		Middle	2145.00	22.81	21.40	44.21	26.36	
		High	2157.50	22.87	21.40	44.27	26.76	
	256QAM	Low	2132.50	22.65	21.40	44.05	25.41	
		Middle	2145.00	22.74	21.40	44.14	25.94	
		High	2157.50	22.78	21.40	44.18	26.19	
Port 8	QPSK	Low	2132.50	23.18	21.40	44.58	28.68	1640
		Middle	2145.00	23.16	21.40	44.56	28.55	
		High	2157.50	23.14	21.40	44.54	28.42	
	16QAM	Low	2132.50	23.02	21.40	44.42	27.65	
		Middle	2145.00	23.15	21.40	44.55	28.50	
		High	2157.50	23.03	21.40	44.43	27.74	
	64QAM	Low	2132.50	23.09	21.40	44.49	28.12	
		Middle	2145.00	23.11	21.40	44.51	28.25	
		High	2157.50	23.13	21.40	44.53	28.36	
	256QAM	Low	2132.50	22.99	21.40	44.39	27.49	
		Middle	2145.00	23.04	21.40	44.44	27.81	
		High	2157.50	23.04	21.40	44.44	27.83	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	Low	2132.50	22.94	21.40	44.34	27.17	1640
		Middle	2145.00	23.11	21.40	44.51	28.25	
		High	2157.50	23.10	21.40	44.50	28.19	
	16QAM	Low	2132.50	22.93	21.40	44.33	27.11	
		Middle	2145.00	23.01	21.40	44.41	27.58	
		High	2157.50	22.98	21.40	44.38	27.44	
	64QAM	Low	2132.50	23.02	21.40	44.42	27.66	
		Middle	2145.00	23.06	21.40	44.46	27.90	
		High	2157.50	23.05	21.40	44.45	27.84	
	256QAM	Low	2132.50	22.88	21.40	44.28	26.81	
		Middle	2145.00	22.96	21.40	44.36	27.29	
		High	2157.50	22.96	21.40	44.36	27.32	
Port 10	QPSK	Low	2132.50	22.86	21.40	44.26	26.66	1640
		Middle	2145.00	22.95	21.40	44.35	27.20	
		High	2157.50	23.00	21.40	44.40	27.53	
	16QAM	Low	2132.50	22.79	21.40	44.19	26.22	
		Middle	2145.00	22.91	21.40	44.31	26.95	
		High	2157.50	22.94	21.40	44.34	27.17	
	64QAM	Low	2132.50	22.80	21.40	44.20	26.32	
		Middle	2145.00	22.95	21.40	44.35	27.23	
		High	2157.50	23.02	21.40	44.42	27.64	
	256QAM	Low	2132.50	22.76	21.40	44.16	26.06	
		Middle	2145.00	22.79	21.40	44.19	26.26	
		High	2157.50	22.85	21.40	44.25	26.60	
Port 11	QPSK	Low	2132.50	23.01	21.40	44.41	27.60	1640
		Middle	2145.00	23.08	21.40	44.48	28.03	
		High	2157.50	23.00	21.40	44.40	27.56	
	16QAM	Low	2132.50	22.94	21.40	44.34	27.18	
		Middle	2145.00	22.97	21.40	44.37	27.33	
		High	2157.50	22.96	21.40	44.36	27.31	
	64QAM	Low	2132.50	22.95	21.40	44.35	27.22	
		Middle	2145.00	23.01	21.40	44.41	27.61	
		High	2157.50	23.05	21.40	44.45	27.84	
	256QAM	Low	2132.50	22.83	21.40	44.23	26.46	
		Middle	2145.00	22.92	21.40	44.32	27.04	
		High	2157.50	22.98	21.40	44.38	27.44	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 12	QPSK	Low	2132.50	22.94	21.40	44.34	27.18	1640
		Middle	2145.00	23.01	21.40	44.41	27.62	
		High	2157.50	22.99	21.40	44.39	27.49	
	16QAM	Low	2132.50	22.79	21.40	44.19	26.26	
		Middle	2145.00	22.87	21.40	44.27	26.76	
		High	2157.50	22.97	21.40	44.37	27.38	
	64QAM	Low	2132.50	22.88	21.40	44.28	26.79	
		Middle	2145.00	22.94	21.40	44.34	27.17	
		High	2157.50	23.03	21.40	44.43	27.72	
	256QAM	Low	2132.50	22.83	21.40	44.23	26.49	
		Middle	2145.00	22.89	21.40	44.29	26.86	
		High	2157.50	22.95	21.40	44.35	27.23	
Port 13	QPSK	Low	2132.50	22.81	21.40	44.21	26.39	1640
		Middle	2145.00	22.84	21.40	44.24	26.54	
		High	2157.50	22.86	21.40	44.26	26.64	
	16QAM	Low	2132.50	22.77	21.40	44.17	26.11	
		Middle	2145.00	22.78	21.40	44.18	26.17	
		High	2157.50	22.81	21.40	44.21	26.38	
	64QAM	Low	2132.50	22.77	21.40	44.17	26.09	
		Middle	2145.00	22.83	21.40	44.23	26.48	
		High	2157.50	22.93	21.40	44.33	27.09	
	256QAM	Low	2132.50	22.70	21.40	44.10	25.68	
		Middle	2145.00	22.75	21.40	44.15	26.02	
		High	2157.50	22.82	21.40	44.22	26.40	
Port 14	QPSK	Low	2132.50	22.89	21.40	44.29	26.88	1640
		Middle	2145.00	22.99	21.40	44.39	27.49	
		High	2157.50	22.95	21.40	44.35	27.25	
	16QAM	Low	2132.50	22.80	21.40	44.20	26.32	
		Middle	2145.00	22.94	21.40	44.34	27.17	
		High	2157.50	22.89	21.40	44.29	26.88	
	64QAM	Low	2132.50	22.86	21.40	44.26	26.69	
		Middle	2145.00	22.89	21.40	44.29	26.84	
		High	2157.50	22.98	21.40	44.38	27.43	
	256QAM	Low	2132.50	22.71	21.40	44.11	25.75	
		Middle	2145.00	22.85	21.40	44.25	26.62	
		High	2157.50	22.84	21.40	44.24	26.55	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 15	QPSK	Low	2132.50	22.97	21.40	44.37	27.35	1640
		Middle	2145.00	23.12	21.40	44.52	28.29	
		High	2157.50	23.08	21.40	44.48	28.08	
	16QAM	Low	2132.50	22.91	21.40	44.31	26.97	
		Middle	2145.00	23.09	21.40	44.49	28.14	
		High	2157.50	23.02	21.40	44.42	27.68	
	64QAM	Low	2132.50	22.87	21.40	44.27	26.74	
		Middle	2145.00	23.07	21.40	44.47	28.00	
		High	2157.50	23.02	21.40	44.42	27.66	
	256QAM	Low	2132.50	22.79	21.40	44.19	26.26	
		Middle	2145.00	22.99	21.40	44.39	27.49	
		High	2157.50	23.01	21.40	44.41	27.57	
Port 16	QPSK	Low	2132.50	22.82	21.40	44.22	26.42	1640
		Middle	2145.00	22.99	21.40	44.39	27.47	
		High	2157.50	22.98	21.40	44.38	27.42	
	16QAM	Low	2132.50	22.83	21.40	44.23	26.48	
		Middle	2145.00	23.01	21.40	44.41	27.62	
		High	2157.50	22.90	21.40	44.30	26.91	
	64QAM	Low	2132.50	22.85	21.40	44.25	26.61	
		Middle	2145.00	23.05	21.40	44.45	27.87	
		High	2157.50	23.02	21.40	44.42	27.64	
	256QAM	Low	2132.50	22.73	21.40	44.13	25.89	
		Middle	2145.00	22.88	21.40	44.28	26.79	
		High	2157.50	22.90	21.40	44.30	26.94	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2132.50	142.31	139.78	140.62	137.49
2145.00	144.79	142.48	143.18	140.19
2157.50	145.58	142.15	144.14	141.11

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
2132.50	436.47	428.75	431.33	421.71	1640
2145.00	444.07	437.00	439.15	429.98	
2157.50	446.52	435.99	442.12	432.82	

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier
[4 Carrier]

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	Low	2135.00	22.60	21.40	44.00	25.12	1640
		Middle	2145.00	22.53	21.40	43.93	24.74	
		High	2155.00	22.38	21.40	43.78	23.90	
	16QAM	Low	2135.00	22.49	21.40	43.89	24.47	
		Middle	2145.00	22.48	21.40	43.88	24.46	
		High	2155.00	22.38	21.40	43.78	23.88	
	64QAM	Low	2135.00	22.53	21.40	43.93	24.72	
		Middle	2145.00	22.52	21.40	43.92	24.68	
		High	2155.00	22.43	21.40	43.83	24.15	
	256QAM	Low	2135.00	22.46	21.40	43.86	24.30	
		Middle	2145.00	22.47	21.40	43.87	24.39	
		High	2155.00	22.32	21.40	43.72	23.54	
Port 2	QPSK	Low	2135.00	22.64	21.40	44.04	25.36	1640
		Middle	2145.00	22.44	21.40	43.84	24.19	
		High	2155.00	22.43	21.40	43.83	24.14	
	16QAM	Low	2135.00	22.51	21.40	43.91	24.63	
		Middle	2145.00	22.42	21.40	43.82	24.10	
		High	2155.00	22.42	21.40	43.82	24.12	
	64QAM	Low	2135.00	22.47	21.40	43.87	24.39	
		Middle	2145.00	22.49	21.40	43.89	24.51	
		High	2155.00	22.46	21.40	43.86	24.34	
	256QAM	Low	2135.00	22.41	21.40	43.81	24.02	
		Middle	2145.00	22.33	21.40	43.73	23.61	
		High	2155.00	22.41	21.40	43.81	24.03	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 3	QPSK	Low	2135.00	22.69	21.40	44.09	25.63	1640
		Middle	2145.00	22.55	21.40	43.95	24.84	
		High	2155.00	22.46	21.40	43.86	24.33	
	16QAM	Low	2135.00	22.60	21.40	44.00	25.11	
		Middle	2145.00	22.55	21.40	43.95	24.81	
		High	2155.00	22.41	21.40	43.81	24.03	
	64QAM	Low	2135.00	22.61	21.40	44.01	25.19	
		Middle	2145.00	22.55	21.40	43.95	24.86	
		High	2155.00	22.49	21.40	43.89	24.51	
	256QAM	Low	2135.00	22.52	21.40	43.92	24.66	
		Middle	2145.00	22.50	21.40	43.90	24.54	
		High	2155.00	22.38	21.40	43.78	23.89	
Port 4	QPSK	Low	2135.00	22.57	21.40	43.97	24.96	1640
		Middle	2145.00	22.43	21.40	43.83	24.13	
		High	2155.00	22.43	21.40	43.83	24.13	
	16QAM	Low	2135.00	22.42	21.40	43.82	24.10	
		Middle	2145.00	22.44	21.40	43.84	24.21	
		High	2155.00	22.41	21.40	43.81	24.05	
	64QAM	Low	2135.00	22.48	21.40	43.88	24.44	
		Middle	2145.00	22.51	21.40	43.91	24.60	
		High	2155.00	22.47	21.40	43.87	24.40	
	256QAM	Low	2135.00	22.36	21.40	43.76	23.77	
		Middle	2145.00	22.38	21.40	43.78	23.90	
		High	2155.00	22.38	21.40	43.78	23.85	
Port 5	QPSK	Low	2135.00	22.52	21.40	43.92	24.65	1640
		Middle	2145.00	22.42	21.40	43.82	24.08	
		High	2155.00	22.45	21.40	43.85	24.28	
	16QAM	Low	2135.00	22.40	21.40	43.80	24.02	
		Middle	2145.00	22.39	21.40	43.79	23.96	
		High	2155.00	22.44	21.40	43.84	24.20	
	64QAM	Low	2135.00	22.51	21.40	43.91	24.61	
		Middle	2145.00	22.44	21.40	43.84	24.22	
		High	2155.00	22.47	21.40	43.87	24.38	
	256QAM	Low	2135.00	22.42	21.40	43.82	24.08	
		Middle	2145.00	22.40	21.40	43.80	23.96	
		High	2155.00	22.45	21.40	43.85	24.25	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 6	QPSK	Low	2135.00	22.67	21.40	44.07	25.53	1640
		Middle	2145.00	22.57	21.40	43.97	24.93	
		High	2155.00	22.51	21.40	43.91	24.58	
	16QAM	Low	2135.00	22.62	21.40	44.02	25.21	
		Middle	2145.00	22.55	21.40	43.95	24.83	
		High	2155.00	22.42	21.40	43.82	24.08	
	64QAM	Low	2135.00	22.58	21.40	43.98	25.03	
		Middle	2145.00	22.63	21.40	44.03	25.28	
		High	2155.00	22.55	21.40	43.95	24.83	
	256QAM	Low	2135.00	22.50	21.40	43.90	24.57	
		Middle	2145.00	22.53	21.40	43.93	24.70	
		High	2155.00	22.44	21.40	43.84	24.22	
Port 7	QPSK	Low	2135.00	22.48	21.40	43.88	24.44	1640
		Middle	2145.00	22.31	21.40	43.71	23.51	
		High	2155.00	22.27	21.40	43.67	23.26	
	16QAM	Low	2135.00	22.35	21.40	43.75	23.69	
		Middle	2145.00	22.32	21.40	43.72	23.54	
		High	2155.00	22.26	21.40	43.66	23.23	
	64QAM	Low	2135.00	22.44	21.40	43.84	24.21	
		Middle	2145.00	22.32	21.40	43.72	23.55	
		High	2155.00	22.34	21.40	43.74	23.66	
	256QAM	Low	2135.00	22.27	21.40	43.67	23.28	
		Middle	2145.00	22.31	21.40	43.71	23.51	
		High	2155.00	22.25	21.40	43.65	23.17	
Port 8	QPSK	Low	2135.00	22.66	21.40	44.06	25.47	1640
		Middle	2145.00	22.63	21.40	44.03	25.30	
		High	2155.00	22.51	21.40	43.91	24.61	
	16QAM	Low	2135.00	22.68	21.40	44.08	25.57	
		Middle	2145.00	22.58	21.40	43.98	25.00	
		High	2155.00	22.53	21.40	43.93	24.74	
	64QAM	Low	2135.00	22.66	21.40	44.06	25.47	
		Middle	2145.00	22.58	21.40	43.98	25.01	
		High	2155.00	22.61	21.40	44.01	25.18	
	256QAM	Low	2135.00	22.56	21.40	43.96	24.88	
		Middle	2145.00	22.54	21.40	43.94	24.80	
		High	2155.00	22.52	21.40	43.92	24.69	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	Low	2135.00	22.62	21.40	44.02	25.24	1640
		Middle	2145.00	22.50	21.40	43.90	24.55	
		High	2155.00	22.51	21.40	43.91	24.59	
	16QAM	Low	2135.00	22.52	21.40	43.92	24.66	
		Middle	2145.00	22.48	21.40	43.88	24.44	
		High	2155.00	22.50	21.40	43.90	24.56	
	64QAM	Low	2135.00	22.57	21.40	43.97	24.93	
		Middle	2145.00	22.48	21.40	43.88	24.44	
		High	2155.00	22.53	21.40	43.93	24.73	
	256QAM	Low	2135.00	22.40	21.40	43.80	23.97	
		Middle	2145.00	22.40	21.40	43.80	23.98	
		High	2155.00	22.51	21.40	43.91	24.60	
Port 10	QPSK	Low	2135.00	22.48	21.40	43.88	24.46	1640
		Middle	2145.00	22.38	21.40	43.78	23.87	
		High	2155.00	22.37	21.40	43.77	23.85	
	16QAM	Low	2135.00	22.41	21.40	43.81	24.05	
		Middle	2145.00	22.39	21.40	43.79	23.91	
		High	2155.00	22.39	21.40	43.79	23.94	
	64QAM	Low	2135.00	22.42	21.40	43.82	24.09	
		Middle	2145.00	22.39	21.40	43.79	23.95	
		High	2155.00	22.43	21.40	43.83	24.14	
	256QAM	Low	2135.00	22.34	21.40	43.74	23.65	
		Middle	2145.00	22.39	21.40	43.79	23.93	
		High	2155.00	22.41	21.40	43.81	24.02	
Port 11	QPSK	Low	2135.00	22.64	21.40	44.04	25.34	1640
		Middle	2145.00	22.51	21.40	43.91	24.62	
		High	2155.00	22.50	21.40	43.90	24.57	
	16QAM	Low	2135.00	22.50	21.40	43.90	24.53	
		Middle	2145.00	22.51	21.40	43.91	24.59	
		High	2155.00	22.42	21.40	43.82	24.10	
	64QAM	Low	2135.00	22.57	21.40	43.97	24.97	
		Middle	2145.00	22.58	21.40	43.98	25.00	
		High	2155.00	22.46	21.40	43.86	24.34	
	256QAM	Low	2135.00	22.48	21.40	43.88	24.45	
		Middle	2145.00	22.49	21.40	43.89	24.50	
		High	2155.00	22.48	21.40	43.88	24.41	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 12	QPSK	Low	2135.00	22.48	21.40	43.88	24.44	1640
		Middle	2145.00	22.43	21.40	43.83	24.17	
		High	2155.00	22.52	21.40	43.92	24.63	
	16QAM	Low	2135.00	22.42	21.40	43.82	24.12	
		Middle	2145.00	22.49	21.40	43.89	24.48	
		High	2155.00	22.46	21.40	43.86	24.34	
	64QAM	Low	2135.00	22.46	21.40	43.86	24.30	
		Middle	2145.00	22.50	21.40	43.90	24.53	
		High	2155.00	22.59	21.40	43.99	25.05	
	256QAM	Low	2135.00	22.43	21.40	43.83	24.17	
		Middle	2145.00	22.43	21.40	43.83	24.13	
		High	2155.00	22.48	21.40	43.88	24.41	
Port 13	QPSK	Low	2135.00	22.36	21.40	43.76	23.80	1640
		Middle	2145.00	22.33	21.40	43.73	23.63	
		High	2155.00	22.31	21.40	43.71	23.51	
	16QAM	Low	2135.00	22.23	21.40	43.63	23.07	
		Middle	2145.00	22.37	21.40	43.77	23.81	
		High	2155.00	22.30	21.40	43.70	23.44	
	64QAM	Low	2135.00	22.38	21.40	43.78	23.90	
		Middle	2145.00	22.41	21.40	43.81	24.03	
		High	2155.00	22.36	21.40	43.76	23.76	
	256QAM	Low	2135.00	22.29	21.40	43.69	23.40	
		Middle	2145.00	22.32	21.40	43.72	23.57	
		High	2155.00	22.29	21.40	43.69	23.37	
Port 14	QPSK	Low	2135.00	22.51	21.40	43.91	24.63	1640
		Middle	2145.00	22.44	21.40	43.84	24.22	
		High	2155.00	22.40	21.40	43.80	23.97	
	16QAM	Low	2135.00	22.42	21.40	43.82	24.09	
		Middle	2145.00	22.32	21.40	43.72	23.53	
		High	2155.00	22.36	21.40	43.76	23.76	
	64QAM	Low	2135.00	22.47	21.40	43.87	24.40	
		Middle	2145.00	22.44	21.40	43.84	24.21	
		High	2155.00	22.43	21.40	43.83	24.14	
	256QAM	Low	2135.00	22.35	21.40	43.75	23.71	
		Middle	2145.00	22.32	21.40	43.72	23.53	
		High	2155.00	22.38	21.40	43.78	23.85	

Port	Mod	Ch	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 15	QPSK	Low	2135.00	22.59	21.40	43.99	25.08	1640
		Middle	2145.00	22.54	21.40	43.94	24.77	
		High	2155.00	22.51	21.40	43.91	24.62	
	16QAM	Low	2135.00	22.53	21.40	43.93	24.70	
		Middle	2145.00	22.56	21.40	43.96	24.88	
		High	2155.00	22.45	21.40	43.85	24.25	
	64QAM	Low	2135.00	22.55	21.40	43.95	24.82	
		Middle	2145.00	22.61	21.40	44.01	25.15	
		High	2155.00	22.52	21.40	43.92	24.63	
	256QAM	Low	2135.00	22.48	21.40	43.88	24.42	
		Middle	2145.00	22.49	21.40	43.89	24.51	
		High	2155.00	22.43	21.40	43.83	24.15	
Port 16	QPSK	Low	2135.00	22.52	21.40	43.92	24.66	1640
		Middle	2145.00	22.44	21.40	43.84	24.23	
		High	2155.00	22.35	21.40	43.75	23.69	
	16QAM	Low	2135.00	22.44	21.40	43.84	24.20	
		Middle	2145.00	22.45	21.40	43.85	24.26	
		High	2155.00	22.38	21.40	43.78	23.87	
	64QAM	Low	2135.00	22.49	21.40	43.89	24.49	
		Middle	2145.00	22.46	21.40	43.86	24.33	
		High	2155.00	22.45	21.40	43.85	24.25	
	256QAM	Low	2135.00	22.39	21.40	43.79	23.91	
		Middle	2145.00	22.42	21.40	43.82	24.13	
		High	2155.00	22.31	21.40	43.71	23.48	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2135.00	144.46	141.36	142.72	139.55
2145.00	141.20	140.85	142.13	139.72
2155.00	140.08	139.31	141.45	139.08

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
2135.00	398.79	390.22	393.96	385.23	1640
2145.00	389.79	388.80	392.37	385.69	
2155.00	386.66	384.57	390.49	383.92	

Tabular Data of RF Non-Contiguous output power

LTE Band 25 5 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier [2 Carrier]

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	1 932.50 + 1 987.50	27.10	21.20	48.30	67.59	1640
	16QAM	1 932.50 + 1 987.50	27.22	21.20	48.42	69.43	
	64QAM	1 932.50 + 1 987.50	27.22	21.20	48.42	69.49	
	256QAM	1 932.50 + 1 987.50	27.17	21.20	48.37	68.71	
Port 2	QPSK	1 932.50 + 1 987.50	27.07	21.20	48.27	67.14	
	16QAM	1 932.50 + 1 987.50	27.13	21.20	48.33	68.03	
	64QAM	1 932.50 + 1 987.50	27.16	21.20	48.36	68.61	
	256QAM	1 932.50 + 1 987.50	27.19	21.20	48.39	69.01	
Port 3	QPSK	1 932.50 + 1 987.50	27.07	21.20	48.27	67.19	
	16QAM	1 932.50 + 1 987.50	27.13	21.20	48.33	68.14	
	64QAM	1 932.50 + 1 987.50	27.19	21.20	48.39	69.07	
	256QAM	1 932.50 + 1 987.50	27.21	21.20	48.41	69.31	
Port 4	QPSK	1 932.50 + 1 987.50	26.99	21.20	48.19	65.95	
	16QAM	1 932.50 + 1 987.50	27.10	21.20	48.30	67.59	
	64QAM	1 932.50 + 1 987.50	27.10	21.20	48.30	67.61	
	256QAM	1 932.50 + 1 987.50	27.06	21.20	48.26	67.02	
Port 5	QPSK	1 932.50 + 1 987.50	27.14	21.20	48.34	68.21	
	16QAM	1 932.50 + 1 987.50	27.21	21.20	48.41	69.27	
	64QAM	1 932.50 + 1 987.50	27.31	21.20	48.51	71.02	
	256QAM	1 932.50 + 1 987.50	27.24	21.20	48.44	69.82	
Port 6	QPSK	1 932.50 + 1 987.50	26.95	21.20	48.15	65.26	
	16QAM	1 932.50 + 1 987.50	26.99	21.20	48.19	65.99	
	64QAM	1 932.50 + 1 987.50	27.05	21.20	48.25	66.85	
	256QAM	1 932.50 + 1 987.50	27.02	21.20	48.22	66.32	
Port 7	QPSK	1 932.50 + 1 987.50	27.10	21.20	48.30	67.63	
	16QAM	1 932.50 + 1 987.50	27.18	21.20	48.38	68.83	
	64QAM	1 932.50 + 1 987.50	27.24	21.20	48.44	69.81	
	256QAM	1 932.50 + 1 987.50	27.23	21.20	48.43	69.67	
Port 8	QPSK	1 932.50 + 1 987.50	27.12	21.20	48.32	67.89	
	16QAM	1 932.50 + 1 987.50	27.27	21.20	48.47	70.31	
	64QAM	1 932.50 + 1 987.50	27.20	21.20	48.40	69.22	

	256QAM	1 932.50 + 1 987.50	27.29	21.20	48.49	70.59	
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Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	1 932.50 + 1 987.50	27.06	21.20	48.26	67.03	1640
	16QAM	1 932.50 + 1 987.50	27.17	21.20	48.37	68.78	
	64QAM	1 932.50 + 1 987.50	27.25	21.20	48.45	70.02	
	256QAM	1 932.50 + 1 987.50	27.21	21.20	48.41	69.35	
Port 10	QPSK	1 932.50 + 1 987.50	26.96	21.20	48.16	65.53	
	16QAM	1 932.50 + 1 987.50	27.12	21.20	48.32	67.96	
	64QAM	1 932.50 + 1 987.50	27.17	21.20	48.37	68.67	
	256QAM	1 932.50 + 1 987.50	27.09	21.20	48.29	67.51	
Port 11	QPSK	1 932.50 + 1 987.50	26.95	21.20	48.15	65.37	
	16QAM	1 932.50 + 1 987.50	27.07	21.20	48.27	67.07	
	64QAM	1 932.50 + 1 987.50	27.12	21.20	48.32	67.85	
	256QAM	1 932.50 + 1 987.50	27.12	21.20	48.32	67.86	
Port 12	QPSK	1 932.50 + 1 987.50	26.91	21.20	48.11	64.70	
	16QAM	1 932.50 + 1 987.50	27.03	21.20	48.23	66.52	
	64QAM	1 932.50 + 1 987.50	27.06	21.20	48.26	66.94	
	256QAM	1 932.50 + 1 987.50	27.05	21.20	48.25	66.77	
Port 13	QPSK	1 932.50 + 1 987.50	27.19	21.20	48.39	68.95	
	16QAM	1 932.50 + 1 987.50	27.26	21.20	48.46	70.09	
	64QAM	1 932.50 + 1 987.50	27.32	21.20	48.52	71.16	
	256QAM	1 932.50 + 1 987.50	27.27	21.20	48.47	70.29	
Port 14	QPSK	1 932.50 + 1 987.50	27.11	21.20	48.31	67.76	
	16QAM	1 932.50 + 1 987.50	27.21	21.20	48.41	69.40	
	64QAM	1 932.50 + 1 987.50	27.24	21.20	48.44	69.78	
	256QAM	1 932.50 + 1 987.50	27.21	21.20	48.41	69.33	
Port 15	QPSK	1 932.50 + 1 987.50	27.18	21.20	48.38	68.88	
	16QAM	1 932.50 + 1 987.50	27.25	21.20	48.45	70.00	
	64QAM	1 932.50 + 1 987.50	27.30	21.20	48.50	70.87	
	256QAM	1 932.50 + 1 987.50	27.29	21.20	48.49	70.71	
Port 16	QPSK	1 932.50 + 1 987.50	27.09	21.20	48.29	67.53	
	16QAM	1 932.50 + 1 987.50	27.16	21.20	48.36	68.62	
	64QAM	1 932.50 + 1 987.50	27.19	21.20	48.39	69.03	
	256QAM	1 932.50 + 1 987.50	27.20	21.20	48.40	69.18	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1 932.50 + 1 987.50	162.73	166.29	167.80	167.11

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
1 932.50 + 1 987.50	1072.62	1096.05	1106.02	1101.46	1640

LTE Band 25 15 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier [2 Carrier]

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	1 937.50 + 1 992.50	27.35	21.20	48.55	71.53	1640
	16QAM	1 937.50 + 1 992.50	27.46	21.20	48.66	73.42	
	64QAM	1 937.50 + 1 992.50	27.24	21.20	48.44	69.77	
	256QAM	1 937.50 + 1 992.50	27.25	21.20	48.45	69.98	
Port 2	QPSK	1 937.50 + 1 992.50	27.23	21.20	48.43	69.66	
	16QAM	1 937.50 + 1 992.50	27.43	21.20	48.63	72.91	
	64QAM	1 937.50 + 1 992.50	27.29	21.20	48.49	70.64	
	256QAM	1 937.50 + 1 992.50	27.27	21.20	48.47	70.27	
Port 3	QPSK	1 937.50 + 1 992.50	27.24	21.20	48.44	69.81	
	16QAM	1 937.50 + 1 992.50	27.34	21.20	48.54	71.40	
	64QAM	1 937.50 + 1 992.50	27.23	21.20	48.43	69.64	
	256QAM	1 937.50 + 1 992.50	27.21	21.20	48.41	69.41	
Port 4	QPSK	1 937.50 + 1 992.50	27.11	21.20	48.31	67.81	
	16QAM	1 937.50 + 1 992.50	27.33	21.20	48.53	71.23	
	64QAM	1 937.50 + 1 992.50	27.15	21.20	48.35	68.35	
	256QAM	1 937.50 + 1 992.50	27.17	21.20	48.37	68.64	
Port 5	QPSK	1 937.50 + 1 992.50	27.42	21.20	48.62	72.74	
	16QAM	1 937.50 + 1 992.50	27.52	21.20	48.72	74.56	
	64QAM	1 937.50 + 1 992.50	27.37	21.20	48.57	72.00	
	256QAM	1 937.50 + 1 992.50	27.38	21.20	48.58	72.12	
Port 6	QPSK	1 937.50 + 1 992.50	27.10	21.20	48.30	67.62	
	16QAM	1 937.50 + 1 992.50	27.22	21.20	48.42	69.46	
	64QAM	1 937.50 + 1 992.50	27.16	21.20	48.36	68.48	
	256QAM	1 937.50 + 1 992.50	27.20	21.20	48.40	69.11	
Port 7	QPSK	1 937.50 + 1 992.50	27.43	21.20	48.63	72.95	
	16QAM	1 937.50 + 1 992.50	27.56	21.20	48.76	75.09	
	64QAM	1 937.50 + 1 992.50	27.37	21.20	48.57	71.95	
	256QAM	1 937.50 + 1 992.50	27.36	21.20	48.56	71.84	
Port 8	QPSK	1 937.50 + 1 992.50	27.36	21.20	48.56	71.81	
	16QAM	1 937.50 + 1 992.50	27.51	21.20	48.71	74.37	
	64QAM	1 937.50 + 1 992.50	27.41	21.20	48.61	72.58	
	256QAM	1 937.50 + 1 992.50	27.34	21.20	48.54	71.48	

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	1 937.50 + 1 992.50	27.32	21.20	48.52	71.06	1640
	16QAM	1 937.50 + 1 992.50	27.48	21.20	48.68	73.78	
	64QAM	1 937.50 + 1 992.50	27.34	21.20	48.54	71.51	
	256QAM	1 937.50 + 1 992.50	27.35	21.20	48.55	71.61	
Port 10	QPSK	1 937.50 + 1 992.50	27.25	21.20	48.45	70.01	
	16QAM	1 937.50 + 1 992.50	27.39	21.20	48.59	72.27	
	64QAM	1 937.50 + 1 992.50	27.32	21.20	48.52	71.07	
	256QAM	1 937.50 + 1 992.50	27.23	21.20	48.43	69.58	
Port 11	QPSK	1 937.50 + 1 992.50	27.27	21.20	48.47	70.30	
	16QAM	1 937.50 + 1 992.50	27.39	21.20	48.59	72.21	
	64QAM	1 937.50 + 1 992.50	27.24	21.20	48.44	69.81	
	256QAM	1 937.50 + 1 992.50	27.25	21.20	48.45	70.06	
Port 12	QPSK	1 937.50 + 1 992.50	27.19	21.20	48.39	69.05	
	16QAM	1 937.50 + 1 992.50	27.25	21.20	48.45	69.92	
	64QAM	1 937.50 + 1 992.50	27.12	21.20	48.32	67.91	
	256QAM	1 937.50 + 1 992.50	27.17	21.20	48.37	68.78	
Port 13	QPSK	1 937.50 + 1 992.50	27.43	21.20	48.63	72.88	
	16QAM	1 937.50 + 1 992.50	27.56	21.20	48.76	75.10	
	64QAM	1 937.50 + 1 992.50	27.45	21.20	48.65	73.35	
	256QAM	1 937.50 + 1 992.50	27.46	21.20	48.66	73.38	
Port 14	QPSK	1 937.50 + 1 992.50	27.37	21.20	48.57	71.90	
	16QAM	1 937.50 + 1 992.50	27.52	21.20	48.72	74.52	
	64QAM	1 937.50 + 1 992.50	27.37	21.20	48.57	71.99	
	256QAM	1 937.50 + 1 992.50	27.43	21.20	48.63	73.01	
Port 15	QPSK	1 937.50 + 1 992.50	27.41	21.20	48.61	72.61	
	16QAM	1 937.50 + 1 992.50	27.49	21.20	48.69	74.03	
	64QAM	1 937.50 + 1 992.50	27.45	21.20	48.65	73.22	
	256QAM	1 937.50 + 1 992.50	27.37	21.20	48.57	71.97	
Port 16	QPSK	1 937.50 + 1 992.50	27.37	21.20	48.57	71.93	
	16QAM	1 937.50 + 1 992.50	27.48	21.20	48.68	73.82	
	64QAM	1 937.50 + 1 992.50	27.41	21.20	48.61	72.67	
	256QAM	1 937.50 + 1 992.50	27.40	21.20	48.60	72.48	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1 937.50 + 1 992.50	172.00	177.22	172.19	172.01

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
1 937.50 + 1 992.50	1133.68	1168.08	1134.92	1133.74	1640

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier [2 Carrier]

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	2 115.00 + 2 170.00	24.88	21.40	46.28	42.50	1640
	16QAM	2 115.00 + 2 170.00	25.05	21.40	46.45	44.17	
	64QAM	2 115.00 + 2 170.00	25.04	21.40	46.44	44.10	
	256QAM	2 115.00 + 2 170.00	25.00	21.40	46.40	43.70	
Port 2	QPSK	2 115.00 + 2 170.00	24.71	21.40	46.11	40.79	
	16QAM	2 115.00 + 2 170.00	25.00	21.40	46.40	43.62	
	64QAM	2 115.00 + 2 170.00	24.96	21.40	46.36	43.27	
	256QAM	2 115.00 + 2 170.00	24.90	21.40	46.30	42.67	
Port 3	QPSK	2 115.00 + 2 170.00	24.81	21.40	46.21	41.80	
	16QAM	2 115.00 + 2 170.00	25.03	21.40	46.43	43.96	
	64QAM	2 115.00 + 2 170.00	25.09	21.40	46.49	44.57	
	256QAM	2 115.00 + 2 170.00	25.02	21.40	46.42	43.83	
Port 4	QPSK	2 115.00 + 2 170.00	24.69	21.40	46.09	40.64	
	16QAM	2 115.00 + 2 170.00	24.93	21.40	46.33	42.99	
	64QAM	2 115.00 + 2 170.00	24.95	21.40	46.35	43.16	
	256QAM	2 115.00 + 2 170.00	24.86	21.40	46.26	42.23	
Port 5	QPSK	2 115.00 + 2 170.00	24.64	21.40	46.04	40.17	
	16QAM	2 115.00 + 2 170.00	24.92	21.40	46.32	42.81	
	64QAM	2 115.00 + 2 170.00	24.89	21.40	46.29	42.54	
	256QAM	2 115.00 + 2 170.00	24.81	21.40	46.21	41.81	
Port 6	QPSK	2 115.00 + 2 170.00	24.94	21.40	46.34	43.04	
	16QAM	2 115.00 + 2 170.00	25.20	21.40	46.60	45.73	
	64QAM	2 115.00 + 2 170.00	25.21	21.40	46.61	45.77	
	256QAM	2 115.00 + 2 170.00	25.11	21.40	46.51	44.73	
Port 7	QPSK	2 115.00 + 2 170.00	24.65	21.40	46.05	40.30	
	16QAM	2 115.00 + 2 170.00	24.95	21.40	46.35	43.16	
	64QAM	2 115.00 + 2 170.00	24.94	21.40	46.34	43.03	
	256QAM	2 115.00 + 2 170.00	24.77	21.40	46.17	41.40	
Port 8	QPSK	2 115.00 + 2 170.00	24.84	21.40	46.24	42.06	
	16QAM	2 115.00 + 2 170.00	25.17	21.40	46.57	45.36	
	64QAM	2 115.00 + 2 170.00	25.17	21.40	46.57	45.35	
	256QAM	2 115.00 + 2 170.00	25.07	21.40	46.47	44.34	

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	2 115.00 + 2 170.00	24.72	21.40	46.12	40.92	1640
	16QAM	2 115.00 + 2 170.00	25.02	21.40	46.42	43.81	
	64QAM	2 115.00 + 2 170.00	25.11	21.40	46.51	44.76	
	256QAM	2 115.00 + 2 170.00	25.02	21.40	46.42	43.81	
Port 10	QPSK	2 115.00 + 2 170.00	24.62	21.40	46.02	40.04	
	16QAM	2 115.00 + 2 170.00	24.89	21.40	46.29	42.56	
	64QAM	2 115.00 + 2 170.00	24.88	21.40	46.28	42.43	
	256QAM	2 115.00 + 2 170.00	24.87	21.40	46.27	42.39	
Port 11	QPSK	2 115.00 + 2 170.00	24.71	21.40	46.11	40.87	
	16QAM	2 115.00 + 2 170.00	25.03	21.40	46.43	43.93	
	64QAM	2 115.00 + 2 170.00	25.12	21.40	46.52	44.86	
	256QAM	2 115.00 + 2 170.00	25.03	21.40	46.43	43.95	
Port 12	QPSK	2 115.00 + 2 170.00	24.65	21.40	46.05	40.27	
	16QAM	2 115.00 + 2 170.00	25.06	21.40	46.46	44.26	
	64QAM	2 115.00 + 2 170.00	25.02	21.40	46.42	43.89	
	256QAM	2 115.00 + 2 170.00	24.99	21.40	46.39	43.55	
Port 13	QPSK	2 115.00 + 2 170.00	24.51	21.40	45.91	38.98	
	16QAM	2 115.00 + 2 170.00	24.87	21.40	46.27	42.33	
	64QAM	2 115.00 + 2 170.00	24.94	21.40	46.34	43.07	
	256QAM	2 115.00 + 2 170.00	24.77	21.40	46.17	41.37	
Port 14	QPSK	2 115.00 + 2 170.00	24.63	21.40	46.03	40.10	
	16QAM	2 115.00 + 2 170.00	24.95	21.40	46.35	43.18	
	64QAM	2 115.00 + 2 170.00	24.99	21.40	46.39	43.57	
	256QAM	2 115.00 + 2 170.00	24.88	21.40	46.28	42.49	
Port 15	QPSK	2 115.00 + 2 170.00	24.72	21.40	46.12	40.89	
	16QAM	2 115.00 + 2 170.00	25.05	21.40	46.45	44.21	
	64QAM	2 115.00 + 2 170.00	25.12	21.40	46.52	44.87	
	256QAM	2 115.00 + 2 170.00	24.98	21.40	46.38	43.43	
Port 16	QPSK	2 115.00 + 2 170.00	24.73	21.40	46.13	41.05	
	16QAM	2 115.00 + 2 170.00	25.06	21.40	46.46	44.28	
	64QAM	2 115.00 + 2 170.00	25.12	21.40	46.52	44.89	
	256QAM	2 115.00 + 2 170.00	24.99	21.40	46.39	43.50	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 115.00 + 2 170.00	142.27	152.25	153.08	149.83

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
2 115.00 + 2 170.00	654.42	700.34	704.13	689.20	1640

LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier [3 Carrier]

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	1932.50 + (1980.00 + 1990.00)	26.21	21.20	47.41	55.05	1640
	16QAM	1932.50 + (1980.00 + 1990.00)	26.19	21.20	47.39	54.81	
	64QAM	1932.50 + (1980.00 + 1990.00)	26.19	21.20	47.39	54.86	
	256QAM	1932.50 + (1980.00 + 1990.00)	26.21	21.20	47.41	55.08	
Port 2	QPSK	1932.50 + (1980.00 + 1990.00)	26.22	21.20	47.42	55.23	
	16QAM	1932.50 + (1980.00 + 1990.00)	26.18	21.20	47.38	54.69	
	64QAM	1932.50 + (1980.00 + 1990.00)	26.18	21.20	47.38	54.76	
	256QAM	1932.50 + (1980.00 + 1990.00)	26.18	21.20	47.38	54.67	
Port 3	QPSK	1932.50 + (1980.00 + 1990.00)	26.11	21.20	47.31	53.79	
	16QAM	1932.50 + (1980.00 + 1990.00)	26.11	21.20	47.31	53.81	
	64QAM	1932.50 + (1980.00 + 1990.00)	26.17	21.20	47.37	54.57	
	256QAM	1932.50 + (1980.00 + 1990.00)	26.17	21.20	47.37	54.54	
Port 4	QPSK	1932.50 + (1980.00 + 1990.00)	26.20	21.20	47.40	54.93	
	16QAM	1932.50 + (1980.00 + 1990.00)	26.09	21.20	47.29	53.53	
	64QAM	1932.50 + (1980.00 + 1990.00)	26.23	21.20	47.43	55.35	
	256QAM	1932.50 + (1980.00 + 1990.00)	26.17	21.20	47.37	54.56	
Port 5	QPSK	1932.50 + (1980.00 + 1990.00)	26.33	21.20	47.53	56.58	
	16QAM	1932.50 + (1980.00 + 1990.00)	26.33	21.20	47.53	56.56	
	64QAM	1932.50 + (1980.00 + 1990.00)	26.26	21.20	47.46	55.70	
	256QAM	1932.50 + (1980.00 + 1990.00)	26.29	21.20	47.49	56.05	
Port 6	QPSK	1932.50 + (1980.00 + 1990.00)	26.00	21.20	47.20	52.50	
	16QAM	1932.50 + (1980.00 + 1990.00)	26.03	21.20	47.23	52.80	
	64QAM	1932.50 + (1980.00 + 1990.00)	25.98	21.20	47.18	52.23	
	256QAM	1932.50 + (1980.00 + 1990.00)	26.05	21.20	47.25	53.13	
Port 7	QPSK	1932.50 + (1980.00 + 1990.00)	26.30	21.20	47.50	56.22	
	16QAM	1932.50 + (1980.00 + 1990.00)	26.30	21.20	47.50	56.19	
	64QAM	1932.50 + (1980.00 + 1990.00)	26.32	21.20	47.52	56.48	
	256QAM	1932.50 + (1980.00 + 1990.00)	26.35	21.20	47.55	56.91	
Port 8	QPSK	1932.50 + (1980.00 + 1990.00)	26.25	21.20	47.45	55.55	
	16QAM	1932.50 + (1980.00 + 1990.00)	26.22	21.20	47.42	55.22	
	64QAM	1932.50 + (1980.00 + 1990.00)	26.25	21.20	47.45	55.56	
	256QAM	1932.50 + (1980.00 + 1990.00)	26.26	21.20	47.46	55.70	

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	1932.50 + (1980.00 + 1990.00)	26.31	21.20	47.51	56.35	1640
	16QAM	1932.50 + (1980.00 + 1990.00)	26.28	21.20	47.48	55.92	
	64QAM	1932.50 + (1980.00 + 1990.00)	26.27	21.20	47.47	55.88	
	256QAM	1932.50 + (1980.00 + 1990.00)	26.33	21.20	47.53	56.64	
Port 10	QPSK	1932.50 + (1980.00 + 1990.00)	26.17	21.20	47.37	54.59	
	16QAM	1932.50 + (1980.00 + 1990.00)	26.19	21.20	47.39	54.77	
	64QAM	1932.50 + (1980.00 + 1990.00)	26.18	21.20	47.38	54.64	
	256QAM	1932.50 + (1980.00 + 1990.00)	26.20	21.20	47.40	54.96	
Port 11	QPSK	1932.50 + (1980.00 + 1990.00)	26.27	21.20	47.47	55.91	
	16QAM	1932.50 + (1980.00 + 1990.00)	26.23	21.20	47.43	55.33	
	64QAM	1932.50 + (1980.00 + 1990.00)	26.28	21.20	47.48	55.92	
	256QAM	1932.50 + (1980.00 + 1990.00)	26.27	21.20	47.47	55.90	
Port 12	QPSK	1932.50 + (1980.00 + 1990.00)	26.00	21.20	47.20	52.53	
	16QAM	1932.50 + (1980.00 + 1990.00)	26.02	21.20	47.22	52.77	
	64QAM	1932.50 + (1980.00 + 1990.00)	25.98	21.20	47.18	52.28	
	256QAM	1932.50 + (1980.00 + 1990.00)	26.00	21.20	47.20	52.46	
Port 13	QPSK	1932.50 + (1980.00 + 1990.00)	26.31	21.20	47.51	56.33	
	16QAM	1932.50 + (1980.00 + 1990.00)	26.28	21.20	47.48	56.04	
	64QAM	1932.50 + (1980.00 + 1990.00)	26.30	21.20	47.50	56.22	
	256QAM	1932.50 + (1980.00 + 1990.00)	26.32	21.20	47.52	56.44	
Port 14	QPSK	1932.50 + (1980.00 + 1990.00)	26.31	21.20	47.51	56.35	
	16QAM	1932.50 + (1980.00 + 1990.00)	26.28	21.20	47.48	55.93	
	64QAM	1932.50 + (1980.00 + 1990.00)	26.32	21.20	47.52	56.45	
	256QAM	1932.50 + (1980.00 + 1990.00)	26.29	21.20	47.49	56.08	
Port 15	QPSK	1932.50 + (1980.00 + 1990.00)	26.34	21.20	47.54	56.74	
	16QAM	1932.50 + (1980.00 + 1990.00)	26.30	21.20	47.50	56.20	
	64QAM	1932.50 + (1980.00 + 1990.00)	26.32	21.20	47.52	56.50	
	256QAM	1932.50 + (1980.00 + 1990.00)	26.39	21.20	47.59	57.47	
Port 16	QPSK	1932.50 + (1980.00 + 1990.00)	26.18	21.20	47.38	54.74	
	16QAM	1932.50 + (1980.00 + 1990.00)	26.15	21.20	47.35	54.36	
	64QAM	1932.50 + (1980.00 + 1990.00)	26.14	21.20	47.34	54.17	
	256QAM	1932.50 + (1980.00 + 1990.00)	26.17	21.20	47.37	54.61	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1932.50 + (1980.00 + 1990.00)	167.53	166.68	167.19	167.88

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
1932.50 + (1980.00 + 1990.00)	883.39	878.93	881.57	885.22	1640

LTE Band 25 10 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier [3 Carrier]

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	(1 935.00 + 1 945.00) + 1 992.50	26.43	21.20	47.63	58.01	1640
	16QAM	(1 935.00 + 1 945.00) + 1 992.50	26.39	21.20	47.59	57.44	
	64QAM	(1 935.00 + 1 945.00) + 1 992.50	26.40	21.20	47.60	57.52	
	256QAM	(1 935.00 + 1 945.00) + 1 992.50	26.39	21.20	47.59	57.36	
Port 2	QPSK	(1 935.00 + 1 945.00) + 1 992.50	26.36	21.20	47.56	57.06	
	16QAM	(1 935.00 + 1 945.00) + 1 992.50	26.41	21.20	47.61	57.62	
	64QAM	(1 935.00 + 1 945.00) + 1 992.50	26.40	21.20	47.60	57.60	
	256QAM	(1 935.00 + 1 945.00) + 1 992.50	26.45	21.20	47.65	58.17	
Port 3	QPSK	(1 935.00 + 1 945.00) + 1 992.50	26.43	21.20	47.63	57.92	
	16QAM	(1 935.00 + 1 945.00) + 1 992.50	26.40	21.20	47.60	57.54	
	64QAM	(1 935.00 + 1 945.00) + 1 992.50	26.42	21.20	47.62	57.85	
	256QAM	(1 935.00 + 1 945.00) + 1 992.50	26.38	21.20	47.58	57.30	
Port 4	QPSK	(1 935.00 + 1 945.00) + 1 992.50	26.40	21.20	47.60	57.54	
	16QAM	(1 935.00 + 1 945.00) + 1 992.50	26.32	21.20	47.52	56.45	
	64QAM	(1 935.00 + 1 945.00) + 1 992.50	26.34	21.20	47.54	56.69	
	256QAM	(1 935.00 + 1 945.00) + 1 992.50	26.38	21.20	47.58	57.22	
Port 5	QPSK	(1 935.00 + 1 945.00) + 1 992.50	26.44	21.20	47.64	58.13	
	16QAM	(1 935.00 + 1 945.00) + 1 992.50	26.50	21.20	47.70	58.84	
	64QAM	(1 935.00 + 1 945.00) + 1 992.50	26.46	21.20	47.66	58.36	
	256QAM	(1 935.00 + 1 945.00) + 1 992.50	26.43	21.20	47.63	58.00	
Port 6	QPSK	(1 935.00 + 1 945.00) + 1 992.50	26.19	21.20	47.39	54.87	
	16QAM	(1 935.00 + 1 945.00) + 1 992.50	26.17	21.20	47.37	54.58	
	64QAM	(1 935.00 + 1 945.00) + 1 992.50	26.25	21.20	47.45	55.60	
	256QAM	(1 935.00 + 1 945.00) + 1 992.50	26.24	21.20	47.44	55.50	
Port 7	QPSK	(1 935.00 + 1 945.00) + 1 992.50	26.61	21.20	47.81	60.45	
	16QAM	(1 935.00 + 1 945.00) + 1 992.50	26.59	21.20	47.79	60.17	
	64QAM	(1 935.00 + 1 945.00) + 1 992.50	26.56	21.20	47.76	59.68	
	256QAM	(1 935.00 + 1 945.00) + 1 992.50	26.59	21.20	47.79	60.14	
Port 8	QPSK	(1 935.00 + 1 945.00) + 1 992.50	26.56	21.20	47.76	59.65	
	16QAM	(1 935.00 + 1 945.00) + 1 992.50	26.43	21.20	47.63	57.95	
	64QAM	(1 935.00 + 1 945.00) + 1 992.50	26.50	21.20	47.70	58.88	
	256QAM	(1 935.00 + 1 945.00) + 1 992.50	26.48	21.20	47.68	58.67	

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	(1 935.00 + 1 945.00) + 1 992.50	26.51	21.20	47.71	59.08	1640
	16QAM	(1 935.00 + 1 945.00) + 1 992.50	26.49	21.20	47.69	58.78	
	64QAM	(1 935.00 + 1 945.00) + 1 992.50	26.55	21.20	47.75	59.63	
	256QAM	(1 935.00 + 1 945.00) + 1 992.50	26.56	21.20	47.76	59.76	
Port 10	QPSK	(1 935.00 + 1 945.00) + 1 992.50	26.36	21.20	47.56	57.02	
	16QAM	(1 935.00 + 1 945.00) + 1 992.50	26.36	21.20	47.56	57.07	
	64QAM	(1 935.00 + 1 945.00) + 1 992.50	26.31	21.20	47.51	56.31	
	256QAM	(1 935.00 + 1 945.00) + 1 992.50	26.41	21.20	47.61	57.71	
Port 11	QPSK	(1 935.00 + 1 945.00) + 1 992.50	26.38	21.20	47.58	57.24	
	16QAM	(1 935.00 + 1 945.00) + 1 992.50	26.32	21.20	47.52	56.48	
	64QAM	(1 935.00 + 1 945.00) + 1 992.50	26.39	21.20	47.59	57.41	
	256QAM	(1 935.00 + 1 945.00) + 1 992.50	26.37	21.20	47.57	57.14	
Port 12	QPSK	(1 935.00 + 1 945.00) + 1 992.50	26.18	21.20	47.38	54.68	
	16QAM	(1 935.00 + 1 945.00) + 1 992.50	26.25	21.20	47.45	55.55	
	64QAM	(1 935.00 + 1 945.00) + 1 992.50	26.20	21.20	47.40	54.93	
	256QAM	(1 935.00 + 1 945.00) + 1 992.50	26.21	21.20	47.41	55.13	
Port 13	QPSK	(1 935.00 + 1 945.00) + 1 992.50	26.59	21.20	47.79	60.06	
	16QAM	(1 935.00 + 1 945.00) + 1 992.50	26.60	21.20	47.80	60.26	
	64QAM	(1 935.00 + 1 945.00) + 1 992.50	26.53	21.20	47.73	59.35	
	256QAM	(1 935.00 + 1 945.00) + 1 992.50	26.57	21.20	47.77	59.83	
Port 14	QPSK	(1 935.00 + 1 945.00) + 1 992.50	26.48	21.20	47.68	58.58	
	16QAM	(1 935.00 + 1 945.00) + 1 992.50	26.51	21.20	47.71	59.00	
	64QAM	(1 935.00 + 1 945.00) + 1 992.50	26.46	21.20	47.66	58.34	
	256QAM	(1 935.00 + 1 945.00) + 1 992.50	26.46	21.20	47.66	58.36	
Port 15	QPSK	(1 935.00 + 1 945.00) + 1 992.50	26.47	21.20	47.67	58.48	
	16QAM	(1 935.00 + 1 945.00) + 1 992.50	26.48	21.20	47.68	58.61	
	64QAM	(1 935.00 + 1 945.00) + 1 992.50	26.46	21.20	47.66	58.30	
	256QAM	(1 935.00 + 1 945.00) + 1 992.50	26.44	21.20	47.64	58.07	
Port 16	QPSK	(1 935.00 + 1 945.00) + 1 992.50	26.36	21.20	47.56	57.04	
	16QAM	(1 935.00 + 1 945.00) + 1 992.50	26.36	21.20	47.56	57.05	
	64QAM	(1 935.00 + 1 945.00) + 1 992.50	26.38	21.20	47.58	57.29	
	256QAM	(1 935.00 + 1 945.00) + 1 992.50	26.36	21.20	47.56	56.96	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
(1 935.00 + 1 945.00) + 1 992.50	175.58	175.12	175.18	175.49

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
(1 935.00 + 1 945.00) + 1 992.50	925.82	923.40	923.74	925.34	1640

LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier [3 Carrier]

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	1932.50 + (1975.00 + 1987.50)	25.23	21.20	46.43	43.99	1640
	16QAM	1932.50 + (1975.00 + 1987.50)	25.37	21.20	46.57	45.38	
	64QAM	1932.50 + (1975.00 + 1987.50)	25.21	21.20	46.41	43.74	
	256QAM	1932.50 + (1975.00 + 1987.50)	25.21	21.20	46.41	43.70	
Port 2	QPSK	1932.50 + (1975.00 + 1987.50)	25.18	21.20	46.38	43.42	
	16QAM	1932.50 + (1975.00 + 1987.50)	25.32	21.20	46.52	44.83	
	64QAM	1932.50 + (1975.00 + 1987.50)	25.20	21.20	46.40	43.68	
	256QAM	1932.50 + (1975.00 + 1987.50)	25.22	21.20	46.42	43.80	
Port 3	QPSK	1932.50 + (1975.00 + 1987.50)	25.17	21.20	46.37	43.32	
	16QAM	1932.50 + (1975.00 + 1987.50)	25.30	21.20	46.50	44.67	
	64QAM	1932.50 + (1975.00 + 1987.50)	25.23	21.20	46.43	43.91	
	256QAM	1932.50 + (1975.00 + 1987.50)	25.20	21.20	46.40	43.70	
Port 4	QPSK	1932.50 + (1975.00 + 1987.50)	25.25	21.20	46.45	44.12	
	16QAM	1932.50 + (1975.00 + 1987.50)	25.22	21.20	46.42	43.87	
	64QAM	1932.50 + (1975.00 + 1987.50)	25.23	21.20	46.43	43.96	
	256QAM	1932.50 + (1975.00 + 1987.50)	25.23	21.20	46.43	43.95	
Port 5	QPSK	1932.50 + (1975.00 + 1987.50)	25.37	21.20	46.57	45.38	
	16QAM	1932.50 + (1975.00 + 1987.50)	25.39	21.20	46.59	45.60	
	64QAM	1932.50 + (1975.00 + 1987.50)	25.42	21.20	46.62	45.96	
	256QAM	1932.50 + (1975.00 + 1987.50)	25.37	21.20	46.57	45.38	
Port 6	QPSK	1932.50 + (1975.00 + 1987.50)	25.17	21.20	46.37	43.37	
	16QAM	1932.50 + (1975.00 + 1987.50)	25.15	21.20	46.35	43.17	
	64QAM	1932.50 + (1975.00 + 1987.50)	25.15	21.20	46.35	43.19	
	256QAM	1932.50 + (1975.00 + 1987.50)	25.11	21.20	46.31	42.79	
Port 7	QPSK	1932.50 + (1975.00 + 1987.50)	25.41	21.20	46.61	45.78	
	16QAM	1932.50 + (1975.00 + 1987.50)	25.41	21.20	46.61	45.83	
	64QAM	1932.50 + (1975.00 + 1987.50)	25.37	21.20	46.57	45.42	
	256QAM	1932.50 + (1975.00 + 1987.50)	25.39	21.20	46.59	45.65	
Port 8	QPSK	1932.50 + (1975.00 + 1987.50)	25.40	21.20	46.60	45.74	
	16QAM	1932.50 + (1975.00 + 1987.50)	25.45	21.20	46.65	46.23	
	64QAM	1932.50 + (1975.00 + 1987.50)	25.42	21.20	46.62	45.90	
	256QAM	1932.50 + (1975.00 + 1987.50)	25.43	21.20	46.63	46.00	

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	1932.50 + (1975.00 + 1987.50)	25.41	21.20	46.61	45.79	1640
	16QAM	1932.50 + (1975.00 + 1987.50)	25.42	21.20	46.62	45.87	
	64QAM	1932.50 + (1975.00 + 1987.50)	25.41	21.20	46.61	45.81	
	256QAM	1932.50 + (1975.00 + 1987.50)	25.41	21.20	46.61	45.86	
Port 10	QPSK	1932.50 + (1975.00 + 1987.50)	25.30	21.20	46.50	44.70	
	16QAM	1932.50 + (1975.00 + 1987.50)	25.29	21.20	46.49	44.59	
	64QAM	1932.50 + (1975.00 + 1987.50)	25.29	21.20	46.49	44.57	
	256QAM	1932.50 + (1975.00 + 1987.50)	25.30	21.20	46.50	44.65	
Port 11	QPSK	1932.50 + (1975.00 + 1987.50)	25.39	21.20	46.59	45.65	
	16QAM	1932.50 + (1975.00 + 1987.50)	25.44	21.20	46.64	46.09	
	64QAM	1932.50 + (1975.00 + 1987.50)	25.44	21.20	46.64	46.10	
	256QAM	1932.50 + (1975.00 + 1987.50)	25.40	21.20	46.60	45.68	
Port 12	QPSK	1932.50 + (1975.00 + 1987.50)	25.09	21.20	46.29	42.57	
	16QAM	1932.50 + (1975.00 + 1987.50)	25.10	21.20	46.30	42.63	
	64QAM	1932.50 + (1975.00 + 1987.50)	25.08	21.20	46.28	42.49	
	256QAM	1932.50 + (1975.00 + 1987.50)	25.12	21.20	46.32	42.84	
Port 13	QPSK	1932.50 + (1975.00 + 1987.50)	25.49	21.20	46.69	46.66	
	16QAM	1932.50 + (1975.00 + 1987.50)	25.43	21.20	46.63	45.98	
	64QAM	1932.50 + (1975.00 + 1987.50)	25.47	21.20	46.67	46.41	
	256QAM	1932.50 + (1975.00 + 1987.50)	25.44	21.20	46.64	46.13	
Port 14	QPSK	1932.50 + (1975.00 + 1987.50)	25.38	21.20	46.58	45.47	
	16QAM	1932.50 + (1975.00 + 1987.50)	25.40	21.20	46.60	45.74	
	64QAM	1932.50 + (1975.00 + 1987.50)	25.37	21.20	46.57	45.35	
	256QAM	1932.50 + (1975.00 + 1987.50)	25.39	21.20	46.59	45.62	
Port 15	QPSK	1932.50 + (1975.00 + 1987.50)	25.45	21.20	46.65	46.28	
	16QAM	1932.50 + (1975.00 + 1987.50)	25.40	21.20	46.60	45.69	
	64QAM	1932.50 + (1975.00 + 1987.50)	25.38	21.20	46.58	45.52	
	256QAM	1932.50 + (1975.00 + 1987.50)	25.41	21.20	46.61	45.79	
Port 16	QPSK	1932.50 + (1975.00 + 1987.50)	25.23	21.20	46.43	43.98	
	16QAM	1932.50 + (1975.00 + 1987.50)	25.28	21.20	46.48	44.51	
	64QAM	1932.50 + (1975.00 + 1987.50)	25.26	21.20	46.46	44.27	
	256QAM	1932.50 + (1975.00 + 1987.50)	25.23	21.20	46.43	43.94	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1932.50 + (1975.00 + 1987.50)	162.99	164.01	163.01	162.82

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
1932.50 + (1975.00 + 1987.50)	716.20	720.68	716.28	715.47	1640

LTE Band 25 10 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier [3 Carrier]

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	(1 935.00 + 1 947.50) + 1 992.50	25.07	21.20	46.27	42.41	1640
	16QAM	(1 935.00 + 1 947.50) + 1 992.50	25.15	21.20	46.35	43.11	
	64QAM	(1 935.00 + 1 947.50) + 1 992.50	25.09	21.20	46.29	42.57	
	256QAM	(1 935.00 + 1 947.50) + 1 992.50	25.06	21.20	46.26	42.28	
Port 2	QPSK	(1 935.00 + 1 947.50) + 1 992.50	25.05	21.20	46.25	42.12	
	16QAM	(1 935.00 + 1 947.50) + 1 992.50	25.09	21.20	46.29	42.60	
	64QAM	(1 935.00 + 1 947.50) + 1 992.50	25.01	21.20	46.21	41.78	
	256QAM	(1 935.00 + 1 947.50) + 1 992.50	25.01	21.20	46.21	41.74	
Port 3	QPSK	(1 935.00 + 1 947.50) + 1 992.50	24.99	21.20	46.19	41.55	
	16QAM	(1 935.00 + 1 947.50) + 1 992.50	25.08	21.20	46.28	42.44	
	64QAM	(1 935.00 + 1 947.50) + 1 992.50	25.00	21.20	46.20	41.70	
	256QAM	(1 935.00 + 1 947.50) + 1 992.50	24.99	21.20	46.19	41.59	
Port 4	QPSK	(1 935.00 + 1 947.50) + 1 992.50	24.84	21.20	46.04	40.20	
	16QAM	(1 935.00 + 1 947.50) + 1 992.50	24.94	21.20	46.14	41.16	
	64QAM	(1 935.00 + 1 947.50) + 1 992.50	24.85	21.20	46.05	40.27	
	256QAM	(1 935.00 + 1 947.50) + 1 992.50	24.87	21.20	46.07	40.49	
Port 5	QPSK	(1 935.00 + 1 947.50) + 1 992.50	25.04	21.20	46.24	42.03	
	16QAM	(1 935.00 + 1 947.50) + 1 992.50	25.11	21.20	46.31	42.76	
	64QAM	(1 935.00 + 1 947.50) + 1 992.50	25.09	21.20	46.29	42.54	
	256QAM	(1 935.00 + 1 947.50) + 1 992.50	25.04	21.20	46.24	42.12	
Port 6	QPSK	(1 935.00 + 1 947.50) + 1 992.50	24.85	21.20	46.05	40.30	
	16QAM	(1 935.00 + 1 947.50) + 1 992.50	24.91	21.20	46.11	40.85	
	64QAM	(1 935.00 + 1 947.50) + 1 992.50	24.86	21.20	46.06	40.36	
	256QAM	(1 935.00 + 1 947.50) + 1 992.50	24.83	21.20	46.03	40.12	
Port 7	QPSK	(1 935.00 + 1 947.50) + 1 992.50	25.17	21.20	46.37	43.34	
	16QAM	(1 935.00 + 1 947.50) + 1 992.50	25.25	21.20	46.45	44.13	
	64QAM	(1 935.00 + 1 947.50) + 1 992.50	25.18	21.20	46.38	43.43	
	256QAM	(1 935.00 + 1 947.50) + 1 992.50	25.18	21.20	46.38	43.49	
Port 8	QPSK	(1 935.00 + 1 947.50) + 1 992.50	25.09	21.20	46.29	42.58	
	16QAM	(1 935.00 + 1 947.50) + 1 992.50	25.12	21.20	46.32	42.85	
	64QAM	(1 935.00 + 1 947.50) + 1 992.50	25.10	21.20	46.30	42.64	
	256QAM	(1 935.00 + 1 947.50) + 1 992.50	25.15	21.20	46.35	43.12	

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	(1 935.00 + 1 947.50) + 1 992.50	25.11	21.20	46.31	42.75	1640
	16QAM	(1 935.00 + 1 947.50) + 1 992.50	25.18	21.20	46.38	43.48	
	64QAM	(1 935.00 + 1 947.50) + 1 992.50	25.14	21.20	46.34	43.06	
	256QAM	(1 935.00 + 1 947.50) + 1 992.50	25.15	21.20	46.35	43.20	
Port 10	QPSK	(1 935.00 + 1 947.50) + 1 992.50	24.97	21.20	46.17	41.38	
	16QAM	(1 935.00 + 1 947.50) + 1 992.50	25.01	21.20	46.21	41.77	
	64QAM	(1 935.00 + 1 947.50) + 1 992.50	25.00	21.20	46.20	41.70	
	256QAM	(1 935.00 + 1 947.50) + 1 992.50	24.98	21.20	46.18	41.48	
Port 11	QPSK	(1 935.00 + 1 947.50) + 1 992.50	25.02	21.20	46.22	41.84	
	16QAM	(1 935.00 + 1 947.50) + 1 992.50	25.05	21.20	46.25	42.14	
	64QAM	(1 935.00 + 1 947.50) + 1 992.50	25.02	21.20	46.22	41.84	
	256QAM	(1 935.00 + 1 947.50) + 1 992.50	25.01	21.20	46.21	41.76	
Port 12	QPSK	(1 935.00 + 1 947.50) + 1 992.50	24.87	21.20	46.07	40.49	
	16QAM	(1 935.00 + 1 947.50) + 1 992.50	24.87	21.20	46.07	40.49	
	64QAM	(1 935.00 + 1 947.50) + 1 992.50	24.88	21.20	46.08	40.53	
	256QAM	(1 935.00 + 1 947.50) + 1 992.50	24.88	21.20	46.08	40.58	
Port 13	QPSK	(1 935.00 + 1 947.50) + 1 992.50	25.21	21.20	46.41	43.72	
	16QAM	(1 935.00 + 1 947.50) + 1 992.50	25.28	21.20	46.48	44.50	
	64QAM	(1 935.00 + 1 947.50) + 1 992.50	25.24	21.20	46.44	44.08	
	256QAM	(1 935.00 + 1 947.50) + 1 992.50	25.20	21.20	46.40	43.66	
Port 14	QPSK	(1 935.00 + 1 947.50) + 1 992.50	25.16	21.20	46.36	43.27	
	16QAM	(1 935.00 + 1 947.50) + 1 992.50	25.17	21.20	46.37	43.32	
	64QAM	(1 935.00 + 1 947.50) + 1 992.50	25.13	21.20	46.33	42.91	
	256QAM	(1 935.00 + 1 947.50) + 1 992.50	25.14	21.20	46.34	43.04	
Port 15	QPSK	(1 935.00 + 1 947.50) + 1 992.50	25.10	21.20	46.30	42.62	
	16QAM	(1 935.00 + 1 947.50) + 1 992.50	25.16	21.20	46.36	43.21	
	64QAM	(1 935.00 + 1 947.50) + 1 992.50	25.08	21.20	46.28	42.43	
	256QAM	(1 935.00 + 1 947.50) + 1 992.50	25.10	21.20	46.30	42.65	
Port 16	QPSK	(1 935.00 + 1 947.50) + 1 992.50	25.02	21.20	46.22	41.86	
	16QAM	(1 935.00 + 1 947.50) + 1 992.50	25.10	21.20	46.30	42.65	
	64QAM	(1 935.00 + 1 947.50) + 1 992.50	25.00	21.20	46.20	41.69	
	256QAM	(1 935.00 + 1 947.50) + 1 992.50	25.01	21.20	46.21	41.80	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
(1 935.00 + 1 947.50) + 1 992.50	153.03	155.08	153.28	153.18

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
(1 935.00 + 1 947.50) + 1 992.50	672.46	681.45	673.53	673.12	1640

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier [3 Carrier]_(1C+2C)

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	2 115.00 + (2 162.50 + 2 175.00)	24.33	21.40	45.73	37.41	1640
	16QAM	2 115.00 + (2 162.50 + 2 175.00)	24.17	21.40	45.57	36.06	
	64QAM	2 115.00 + (2 162.50 + 2 175.00)	24.12	21.40	45.52	35.62	
	256QAM	2 115.00 + (2 162.50 + 2 175.00)	24.12	21.40	45.52	35.62	
Port 2	QPSK	2 115.00 + (2 162.50 + 2 175.00)	24.29	21.40	45.69	37.03	
	16QAM	2 115.00 + (2 162.50 + 2 175.00)	24.13	21.40	45.53	35.74	
	64QAM	2 115.00 + (2 162.50 + 2 175.00)	24.11	21.40	45.51	35.53	
	256QAM	2 115.00 + (2 162.50 + 2 175.00)	24.02	21.40	45.42	34.85	
Port 3	QPSK	2 115.00 + (2 162.50 + 2 175.00)	24.22	21.40	45.62	36.46	
	16QAM	2 115.00 + (2 162.50 + 2 175.00)	24.13	21.40	45.53	35.76	
	64QAM	2 115.00 + (2 162.50 + 2 175.00)	24.13	21.40	45.53	35.73	
	256QAM	2 115.00 + (2 162.50 + 2 175.00)	24.04	21.40	45.44	34.98	
Port 4	QPSK	2 115.00 + (2 162.50 + 2 175.00)	24.19	21.40	45.59	36.25	
	16QAM	2 115.00 + (2 162.50 + 2 175.00)	24.07	21.40	45.47	35.21	
	64QAM	2 115.00 + (2 162.50 + 2 175.00)	24.01	21.40	45.41	34.78	
	256QAM	2 115.00 + (2 162.50 + 2 175.00)	23.98	21.40	45.38	34.55	
Port 5	QPSK	2 115.00 + (2 162.50 + 2 175.00)	24.13	21.40	45.53	35.69	
	16QAM	2 115.00 + (2 162.50 + 2 175.00)	24.04	21.40	45.44	35.02	
	64QAM	2 115.00 + (2 162.50 + 2 175.00)	24.05	21.40	45.45	35.07	
	256QAM	2 115.00 + (2 162.50 + 2 175.00)	23.98	21.40	45.38	34.54	
Port 6	QPSK	2 115.00 + (2 162.50 + 2 175.00)	24.28	21.40	45.68	37.02	
	16QAM	2 115.00 + (2 162.50 + 2 175.00)	24.27	21.40	45.67	36.89	
	64QAM	2 115.00 + (2 162.50 + 2 175.00)	24.21	21.40	45.61	36.41	
	256QAM	2 115.00 + (2 162.50 + 2 175.00)	24.15	21.40	45.55	35.92	
Port 7	QPSK	2 115.00 + (2 162.50 + 2 175.00)	24.05	21.40	45.45	35.11	
	16QAM	2 115.00 + (2 162.50 + 2 175.00)	24.02	21.40	45.42	34.83	
	64QAM	2 115.00 + (2 162.50 + 2 175.00)	23.96	21.40	45.36	34.37	
	256QAM	2 115.00 + (2 162.50 + 2 175.00)	23.94	21.40	45.34	34.18	
Port 8	QPSK	2 115.00 + (2 162.50 + 2 175.00)	24.26	21.40	45.66	36.83	
	16QAM	2 115.00 + (2 162.50 + 2 175.00)	24.22	21.40	45.62	36.50	
	64QAM	2 115.00 + (2 162.50 + 2 175.00)	24.21	21.40	45.61	36.41	
	256QAM	2 115.00 + (2 162.50 + 2 175.00)	24.12	21.40	45.52	35.63	

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	2 115.00 + (2 162.50 + 2 175.00)	24.11	21.40	45.51	35.55	1640
	16QAM	2 115.00 + (2 162.50 + 2 175.00)	24.13	21.40	45.53	35.76	
	64QAM	2 115.00 + (2 162.50 + 2 175.00)	24.11	21.40	45.51	35.55	
	256QAM	2 115.00 + (2 162.50 + 2 175.00)	24.08	21.40	45.48	35.30	
Port 10	QPSK	2 115.00 + (2 162.50 + 2 175.00)	23.99	21.40	45.39	34.57	
	16QAM	2 115.00 + (2 162.50 + 2 175.00)	23.94	21.40	45.34	34.23	
	64QAM	2 115.00 + (2 162.50 + 2 175.00)	23.97	21.40	45.37	34.46	
	256QAM	2 115.00 + (2 162.50 + 2 175.00)	23.94	21.40	45.34	34.21	
Port 11	QPSK	2 115.00 + (2 162.50 + 2 175.00)	24.16	21.40	45.56	35.94	
	16QAM	2 115.00 + (2 162.50 + 2 175.00)	24.13	21.40	45.53	35.69	
	64QAM	2 115.00 + (2 162.50 + 2 175.00)	24.13	21.40	45.53	35.69	
	256QAM	2 115.00 + (2 162.50 + 2 175.00)	24.08	21.40	45.48	35.28	
Port 12	QPSK	2 115.00 + (2 162.50 + 2 175.00)	24.09	21.40	45.49	35.36	
	16QAM	2 115.00 + (2 162.50 + 2 175.00)	24.05	21.40	45.45	35.10	
	64QAM	2 115.00 + (2 162.50 + 2 175.00)	24.07	21.40	45.47	35.21	
	256QAM	2 115.00 + (2 162.50 + 2 175.00)	24.05	21.40	45.45	35.11	
Port 13	QPSK	2 115.00 + (2 162.50 + 2 175.00)	23.98	21.40	45.38	34.53	
	16QAM	2 115.00 + (2 162.50 + 2 175.00)	23.87	21.40	45.27	33.63	
	64QAM	2 115.00 + (2 162.50 + 2 175.00)	23.89	21.40	45.29	33.84	
	256QAM	2 115.00 + (2 162.50 + 2 175.00)	23.89	21.40	45.29	33.80	
Port 14	QPSK	2 115.00 + (2 162.50 + 2 175.00)	24.08	21.40	45.48	35.31	
	16QAM	2 115.00 + (2 162.50 + 2 175.00)	23.98	21.40	45.38	34.55	
	64QAM	2 115.00 + (2 162.50 + 2 175.00)	24.00	21.40	45.40	34.64	
	256QAM	2 115.00 + (2 162.50 + 2 175.00)	24.00	21.40	45.40	34.65	
Port 15	QPSK	2 115.00 + (2 162.50 + 2 175.00)	24.22	21.40	45.62	36.45	
	16QAM	2 115.00 + (2 162.50 + 2 175.00)	24.12	21.40	45.52	35.63	
	64QAM	2 115.00 + (2 162.50 + 2 175.00)	24.16	21.40	45.56	35.96	
	256QAM	2 115.00 + (2 162.50 + 2 175.00)	24.09	21.40	45.49	35.39	
Port 16	QPSK	2 115.00 + (2 162.50 + 2 175.00)	24.08	21.40	45.48	35.28	
	16QAM	2 115.00 + (2 162.50 + 2 175.00)	24.03	21.40	45.43	34.91	
	64QAM	2 115.00 + (2 162.50 + 2 175.00)	24.08	21.40	45.48	35.32	
	256QAM	2 115.00 + (2 162.50 + 2 175.00)	24.04	21.40	45.44	35.02	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 115.00 + (2 162.50 + 2 175.00)	145.80	143.45	143.22	141.81

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
2 115.00 + (2 162.50 + 2 175.00)	574.79	565.51	564.61	559.03	1640

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier [3 Carrier]_(2C+1C)

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	(2 115.00 + 2 127.50) + 2 175.00	24.01	21.40	45.41	34.76	1640
	16QAM	(2 115.00 + 2 127.50) + 2 175.00	24.05	21.40	45.45	35.04	
	64QAM	(2 115.00 + 2 127.50) + 2 175.00	24.05	21.40	45.45	35.10	
	256QAM	(2 115.00 + 2 127.50) + 2 175.00	23.99	21.40	45.39	34.61	
Port 2	QPSK	(2 115.00 + 2 127.50) + 2 175.00	24.16	21.40	45.56	35.94	
	16QAM	(2 115.00 + 2 127.50) + 2 175.00	24.11	21.40	45.51	35.55	
	64QAM	(2 115.00 + 2 127.50) + 2 175.00	24.13	21.40	45.53	35.70	
	256QAM	(2 115.00 + 2 127.50) + 2 175.00	24.07	21.40	45.47	35.24	
Port 3	QPSK	(2 115.00 + 2 127.50) + 2 175.00	24.11	21.40	45.51	35.56	
	16QAM	(2 115.00 + 2 127.50) + 2 175.00	24.07	21.40	45.47	35.24	
	64QAM	(2 115.00 + 2 127.50) + 2 175.00	24.13	21.40	45.53	35.72	
	256QAM	(2 115.00 + 2 127.50) + 2 175.00	24.00	21.40	45.40	34.65	
Port 4	QPSK	(2 115.00 + 2 127.50) + 2 175.00	23.98	21.40	45.38	34.51	
	16QAM	(2 115.00 + 2 127.50) + 2 175.00	23.96	21.40	45.36	34.37	
	64QAM	(2 115.00 + 2 127.50) + 2 175.00	24.00	21.40	45.40	34.64	
	256QAM	(2 115.00 + 2 127.50) + 2 175.00	23.97	21.40	45.37	34.40	
Port 5	QPSK	(2 115.00 + 2 127.50) + 2 175.00	24.06	21.40	45.46	35.17	
	16QAM	(2 115.00 + 2 127.50) + 2 175.00	24.05	21.40	45.45	35.06	
	64QAM	(2 115.00 + 2 127.50) + 2 175.00	24.11	21.40	45.51	35.59	
	256QAM	(2 115.00 + 2 127.50) + 2 175.00	24.06	21.40	45.46	35.13	
Port 6	QPSK	(2 115.00 + 2 127.50) + 2 175.00	24.13	21.40	45.53	35.70	
	16QAM	(2 115.00 + 2 127.50) + 2 175.00	24.13	21.40	45.53	35.69	
	64QAM	(2 115.00 + 2 127.50) + 2 175.00	24.17	21.40	45.57	36.08	
	256QAM	(2 115.00 + 2 127.50) + 2 175.00	24.10	21.40	45.50	35.46	
Port 7	QPSK	(2 115.00 + 2 127.50) + 2 175.00	23.90	21.40	45.30	33.88	
	16QAM	(2 115.00 + 2 127.50) + 2 175.00	23.89	21.40	45.29	33.80	
	64QAM	(2 115.00 + 2 127.50) + 2 175.00	23.93	21.40	45.33	34.08	
	256QAM	(2 115.00 + 2 127.50) + 2 175.00	23.89	21.40	45.29	33.84	
Port 8	QPSK	(2 115.00 + 2 127.50) + 2 175.00	24.16	21.40	45.56	35.97	
	16QAM	(2 115.00 + 2 127.50) + 2 175.00	24.17	21.40	45.57	36.06	
	64QAM	(2 115.00 + 2 127.50) + 2 175.00	24.23	21.40	45.63	36.59	
	256QAM	(2 115.00 + 2 127.50) + 2 175.00	24.16	21.40	45.56	35.95	

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	(2 115.00 + 2 127.50) + 2 175.00	24.09	21.40	45.49	35.41	1640
	16QAM	(2 115.00 + 2 127.50) + 2 175.00	24.07	21.40	45.47	35.27	
	64QAM	(2 115.00 + 2 127.50) + 2 175.00	24.07	21.40	45.47	35.23	
	256QAM	(2 115.00 + 2 127.50) + 2 175.00	24.06	21.40	45.46	35.18	
Port 10	QPSK	(2 115.00 + 2 127.50) + 2 175.00	23.90	21.40	45.30	33.87	
	16QAM	(2 115.00 + 2 127.50) + 2 175.00	23.94	21.40	45.34	34.19	
	64QAM	(2 115.00 + 2 127.50) + 2 175.00	23.99	21.40	45.39	34.60	
	256QAM	(2 115.00 + 2 127.50) + 2 175.00	23.89	21.40	45.29	33.82	
Port 11	QPSK	(2 115.00 + 2 127.50) + 2 175.00	24.06	21.40	45.46	35.15	
	16QAM	(2 115.00 + 2 127.50) + 2 175.00	24.12	21.40	45.52	35.67	
	64QAM	(2 115.00 + 2 127.50) + 2 175.00	24.13	21.40	45.53	35.71	
	256QAM	(2 115.00 + 2 127.50) + 2 175.00	24.07	21.40	45.47	35.21	
Port 12	QPSK	(2 115.00 + 2 127.50) + 2 175.00	24.03	21.40	45.43	34.95	
	16QAM	(2 115.00 + 2 127.50) + 2 175.00	24.09	21.40	45.49	35.42	
	64QAM	(2 115.00 + 2 127.50) + 2 175.00	24.10	21.40	45.50	35.47	
	256QAM	(2 115.00 + 2 127.50) + 2 175.00	24.04	21.40	45.44	34.98	
Port 13	QPSK	(2 115.00 + 2 127.50) + 2 175.00	23.87	21.40	45.27	33.64	
	16QAM	(2 115.00 + 2 127.50) + 2 175.00	23.92	21.40	45.32	34.02	
	64QAM	(2 115.00 + 2 127.50) + 2 175.00	23.91	21.40	45.31	33.93	
	256QAM	(2 115.00 + 2 127.50) + 2 175.00	23.84	21.40	45.24	33.43	
Port 14	QPSK	(2 115.00 + 2 127.50) + 2 175.00	23.99	21.40	45.39	34.61	
	16QAM	(2 115.00 + 2 127.50) + 2 175.00	23.97	21.40	45.37	34.47	
	64QAM	(2 115.00 + 2 127.50) + 2 175.00	24.06	21.40	45.46	35.19	
	256QAM	(2 115.00 + 2 127.50) + 2 175.00	23.95	21.40	45.35	34.31	
Port 15	QPSK	(2 115.00 + 2 127.50) + 2 175.00	24.09	21.40	45.49	35.39	
	16QAM	(2 115.00 + 2 127.50) + 2 175.00	24.08	21.40	45.48	35.33	
	64QAM	(2 115.00 + 2 127.50) + 2 175.00	24.14	21.40	45.54	35.82	
	256QAM	(2 115.00 + 2 127.50) + 2 175.00	24.06	21.40	45.46	35.15	
Port 16	QPSK	(2 115.00 + 2 127.50) + 2 175.00	23.92	21.40	45.32	34.01	
	16QAM	(2 115.00 + 2 127.50) + 2 175.00	23.95	21.40	45.35	34.24	
	64QAM	(2 115.00 + 2 127.50) + 2 175.00	24.04	21.40	45.44	34.97	
	256QAM	(2 115.00 + 2 127.50) + 2 175.00	23.94	21.40	45.34	34.19	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
(2 115.00 + 2 127.50) + 2 175.00	141.68	141.91	143.18	140.91

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
(2 115.00 + 2 127.50) + 2 175.00	558.51	559.44	564.43	555.51	1640

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier [3 Carrier]_(1C+2C)

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	2 115.00 + (2 155.00 + 2 172.50)	23.05	21.40	44.45	27.85	1640
	16QAM	2 115.00 + (2 155.00 + 2 172.50)	22.90	21.40	44.30	26.92	
	64QAM	2 115.00 + (2 155.00 + 2 172.50)	22.90	21.40	44.30	26.90	
	256QAM	2 115.00 + (2 155.00 + 2 172.50)	22.84	21.40	44.24	26.53	
Port 2	QPSK	2 115.00 + (2 155.00 + 2 172.50)	22.96	21.40	44.36	27.30	
	16QAM	2 115.00 + (2 155.00 + 2 172.50)	22.84	21.40	44.24	26.54	
	64QAM	2 115.00 + (2 155.00 + 2 172.50)	22.85	21.40	44.25	26.58	
	256QAM	2 115.00 + (2 155.00 + 2 172.50)	22.82	21.40	44.22	26.40	
Port 3	QPSK	2 115.00 + (2 155.00 + 2 172.50)	23.03	21.40	44.43	27.74	
	16QAM	2 115.00 + (2 155.00 + 2 172.50)	23.02	21.40	44.42	27.65	
	64QAM	2 115.00 + (2 155.00 + 2 172.50)	23.04	21.40	44.44	27.81	
	256QAM	2 115.00 + (2 155.00 + 2 172.50)	22.95	21.40	44.35	27.24	
Port 4	QPSK	2 115.00 + (2 155.00 + 2 172.50)	22.92	21.40	44.32	27.01	
	16QAM	2 115.00 + (2 155.00 + 2 172.50)	22.90	21.40	44.30	26.88	
	64QAM	2 115.00 + (2 155.00 + 2 172.50)	22.87	21.40	44.27	26.74	
	256QAM	2 115.00 + (2 155.00 + 2 172.50)	22.86	21.40	44.26	26.64	
Port 5	QPSK	2 115.00 + (2 155.00 + 2 172.50)	22.86	21.40	44.26	26.68	
	16QAM	2 115.00 + (2 155.00 + 2 172.50)	22.84	21.40	44.24	26.53	
	64QAM	2 115.00 + (2 155.00 + 2 172.50)	22.88	21.40	44.28	26.80	
	256QAM	2 115.00 + (2 155.00 + 2 172.50)	22.78	21.40	44.18	26.20	
Port 6	QPSK	2 115.00 + (2 155.00 + 2 172.50)	23.09	21.40	44.49	28.10	
	16QAM	2 115.00 + (2 155.00 + 2 172.50)	23.01	21.40	44.41	27.57	
	64QAM	2 115.00 + (2 155.00 + 2 172.50)	23.02	21.40	44.42	27.69	
	256QAM	2 115.00 + (2 155.00 + 2 172.50)	22.94	21.40	44.34	27.15	
Port 7	QPSK	2 115.00 + (2 155.00 + 2 172.50)	22.88	21.40	44.28	26.76	
	16QAM	2 115.00 + (2 155.00 + 2 172.50)	22.82	21.40	44.22	26.45	
	64QAM	2 115.00 + (2 155.00 + 2 172.50)	22.86	21.40	44.26	26.64	
	256QAM	2 115.00 + (2 155.00 + 2 172.50)	22.77	21.40	44.17	26.12	
Port 8	QPSK	2 115.00 + (2 155.00 + 2 172.50)	23.02	21.40	44.42	27.69	
	16QAM	2 115.00 + (2 155.00 + 2 172.50)	22.97	21.40	44.37	27.33	
	64QAM	2 115.00 + (2 155.00 + 2 172.50)	23.03	21.40	44.43	27.75	
	256QAM	2 115.00 + (2 155.00 + 2 172.50)	22.90	21.40	44.30	26.91	

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	2 115.00 + (2 155.00 + 2 172.50)	22.91	21.40	44.31	26.97	1640
	16QAM	2 115.00 + (2 155.00 + 2 172.50)	22.93	21.40	44.33	27.10	
	64QAM	2 115.00 + (2 155.00 + 2 172.50)	22.91	21.40	44.31	26.96	
	256QAM	2 115.00 + (2 155.00 + 2 172.50)	22.88	21.40	44.28	26.80	
Port 10	QPSK	2 115.00 + (2 155.00 + 2 172.50)	22.77	21.40	44.17	26.14	
	16QAM	2 115.00 + (2 155.00 + 2 172.50)	22.76	21.40	44.16	26.07	
	64QAM	2 115.00 + (2 155.00 + 2 172.50)	22.87	21.40	44.27	26.74	
	256QAM	2 115.00 + (2 155.00 + 2 172.50)	22.76	21.40	44.16	26.07	
Port 11	QPSK	2 115.00 + (2 155.00 + 2 172.50)	22.92	21.40	44.32	27.05	
	16QAM	2 115.00 + (2 155.00 + 2 172.50)	22.92	21.40	44.32	27.04	
	64QAM	2 115.00 + (2 155.00 + 2 172.50)	22.92	21.40	44.32	27.02	
	256QAM	2 115.00 + (2 155.00 + 2 172.50)	22.90	21.40	44.30	26.93	
Port 12	QPSK	2 115.00 + (2 155.00 + 2 172.50)	22.91	21.40	44.31	26.95	
	16QAM	2 115.00 + (2 155.00 + 2 172.50)	22.94	21.40	44.34	27.16	
	64QAM	2 115.00 + (2 155.00 + 2 172.50)	22.95	21.40	44.35	27.22	
	256QAM	2 115.00 + (2 155.00 + 2 172.50)	22.88	21.40	44.28	26.77	
Port 13	QPSK	2 115.00 + (2 155.00 + 2 172.50)	22.72	21.40	44.12	25.85	
	16QAM	2 115.00 + (2 155.00 + 2 172.50)	22.73	21.40	44.13	25.86	
	64QAM	2 115.00 + (2 155.00 + 2 172.50)	22.76	21.40	44.16	26.06	
	256QAM	2 115.00 + (2 155.00 + 2 172.50)	22.66	21.40	44.06	25.46	
Port 14	QPSK	2 115.00 + (2 155.00 + 2 172.50)	22.85	21.40	44.25	26.62	
	16QAM	2 115.00 + (2 155.00 + 2 172.50)	22.85	21.40	44.25	26.59	
	64QAM	2 115.00 + (2 155.00 + 2 172.50)	22.88	21.40	44.28	26.76	
	256QAM	2 115.00 + (2 155.00 + 2 172.50)	22.76	21.40	44.16	26.04	
Port 15	QPSK	2 115.00 + (2 155.00 + 2 172.50)	23.02	21.40	44.42	27.65	
	16QAM	2 115.00 + (2 155.00 + 2 172.50)	22.96	21.40	44.36	27.26	
	64QAM	2 115.00 + (2 155.00 + 2 172.50)	23.03	21.40	44.43	27.73	
	256QAM	2 115.00 + (2 155.00 + 2 172.50)	22.92	21.40	44.32	27.04	
Port 16	QPSK	2 115.00 + (2 155.00 + 2 172.50)	22.90	21.40	44.30	26.94	
	16QAM	2 115.00 + (2 155.00 + 2 172.50)	22.89	21.40	44.29	26.84	
	64QAM	2 115.00 + (2 155.00 + 2 172.50)	22.96	21.40	44.36	27.29	
	256QAM	2 115.00 + (2 155.00 + 2 172.50)	22.86	21.40	44.26	26.69	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 115.00 + (2 155.00 + 2 172.50)	141.33	140.17	141.11	138.62

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
2 115.00 + (2 155.00 + 2 172.50)	433.32	429.79	432.67	425.01	1640

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier [3 Carrier]_(2C+1C)

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	(2 115.00 + 2 130.00) + 2 172.50	22.86	21.40	44.26	26.68	1640
	16QAM	(2 115.00 + 2 130.00) + 2 172.50	22.98	21.40	44.38	27.40	
	64QAM	(2 115.00 + 2 130.00) + 2 172.50	22.97	21.40	44.37	27.34	
	256QAM	(2 115.00 + 2 130.00) + 2 172.50	22.92	21.40	44.32	27.03	
Port 2	QPSK	(2 115.00 + 2 130.00) + 2 172.50	22.84	21.40	44.24	26.56	
	16QAM	(2 115.00 + 2 130.00) + 2 172.50	22.95	21.40	44.35	27.26	
	64QAM	(2 115.00 + 2 130.00) + 2 172.50	22.98	21.40	44.38	27.41	
	256QAM	(2 115.00 + 2 130.00) + 2 172.50	22.87	21.40	44.27	26.73	
Port 3	QPSK	(2 115.00 + 2 130.00) + 2 172.50	22.99	21.40	44.39	27.45	
	16QAM	(2 115.00 + 2 130.00) + 2 172.50	23.05	21.40	44.45	27.88	
	64QAM	(2 115.00 + 2 130.00) + 2 172.50	23.02	21.40	44.42	27.69	
	256QAM	(2 115.00 + 2 130.00) + 2 172.50	22.92	21.40	44.32	27.02	
Port 4	QPSK	(2 115.00 + 2 130.00) + 2 172.50	22.85	21.40	44.25	26.61	
	16QAM	(2 115.00 + 2 130.00) + 2 172.50	22.88	21.40	44.28	26.76	
	64QAM	(2 115.00 + 2 130.00) + 2 172.50	22.91	21.40	44.31	26.96	
	256QAM	(2 115.00 + 2 130.00) + 2 172.50	22.83	21.40	44.23	26.51	
Port 5	QPSK	(2 115.00 + 2 130.00) + 2 172.50	22.89	21.40	44.29	26.88	
	16QAM	(2 115.00 + 2 130.00) + 2 172.50	22.99	21.40	44.39	27.46	
	64QAM	(2 115.00 + 2 130.00) + 2 172.50	22.95	21.40	44.35	27.20	
	256QAM	(2 115.00 + 2 130.00) + 2 172.50	22.91	21.40	44.31	26.99	
Port 6	QPSK	(2 115.00 + 2 130.00) + 2 172.50	23.01	21.40	44.41	27.60	
	16QAM	(2 115.00 + 2 130.00) + 2 172.50	23.09	21.40	44.49	28.10	
	64QAM	(2 115.00 + 2 130.00) + 2 172.50	23.06	21.40	44.46	27.92	
	256QAM	(2 115.00 + 2 130.00) + 2 172.50	22.98	21.40	44.38	27.42	
Port 7	QPSK	(2 115.00 + 2 130.00) + 2 172.50	22.77	21.40	44.17	26.15	
	16QAM	(2 115.00 + 2 130.00) + 2 172.50	22.81	21.40	44.21	26.35	
	64QAM	(2 115.00 + 2 130.00) + 2 172.50	22.83	21.40	44.23	26.46	
	256QAM	(2 115.00 + 2 130.00) + 2 172.50	22.71	21.40	44.11	25.77	
Port 8	QPSK	(2 115.00 + 2 130.00) + 2 172.50	23.08	21.40	44.48	28.07	
	16QAM	(2 115.00 + 2 130.00) + 2 172.50	23.11	21.40	44.51	28.26	
	64QAM	(2 115.00 + 2 130.00) + 2 172.50	23.14	21.40	44.54	28.43	
	256QAM	(2 115.00 + 2 130.00) + 2 172.50	23.04	21.40	44.44	27.83	

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	(2 115.00 + 2 130.00) + 2 172.50	22.94	21.40	44.34	27.17	1640
	16QAM	(2 115.00 + 2 130.00) + 2 172.50	22.94	21.40	44.34	27.17	
	64QAM	(2 115.00 + 2 130.00) + 2 172.50	22.99	21.40	44.39	27.51	
	256QAM	(2 115.00 + 2 130.00) + 2 172.50	22.93	21.40	44.33	27.08	
Port 10	QPSK	(2 115.00 + 2 130.00) + 2 172.50	22.81	21.40	44.21	26.37	
	16QAM	(2 115.00 + 2 130.00) + 2 172.50	22.85	21.40	44.25	26.59	
	64QAM	(2 115.00 + 2 130.00) + 2 172.50	22.86	21.40	44.26	26.66	
	256QAM	(2 115.00 + 2 130.00) + 2 172.50	22.77	21.40	44.17	26.10	
Port 11	QPSK	(2 115.00 + 2 130.00) + 2 172.50	22.96	21.40	44.36	27.28	
	16QAM	(2 115.00 + 2 130.00) + 2 172.50	23.07	21.40	44.47	27.98	
	64QAM	(2 115.00 + 2 130.00) + 2 172.50	23.01	21.40	44.41	27.58	
	256QAM	(2 115.00 + 2 130.00) + 2 172.50	23.00	21.40	44.40	27.52	
Port 12	QPSK	(2 115.00 + 2 130.00) + 2 172.50	22.95	21.40	44.35	27.23	
	16QAM	(2 115.00 + 2 130.00) + 2 172.50	23.00	21.40	44.40	27.54	
	64QAM	(2 115.00 + 2 130.00) + 2 172.50	22.99	21.40	44.39	27.51	
	256QAM	(2 115.00 + 2 130.00) + 2 172.50	22.96	21.40	44.36	27.28	
Port 13	QPSK	(2 115.00 + 2 130.00) + 2 172.50	22.76	21.40	44.16	26.09	
	16QAM	(2 115.00 + 2 130.00) + 2 172.50	22.82	21.40	44.22	26.40	
	64QAM	(2 115.00 + 2 130.00) + 2 172.50	22.82	21.40	44.22	26.40	
	256QAM	(2 115.00 + 2 130.00) + 2 172.50	22.83	21.40	44.23	26.51	
Port 14	QPSK	(2 115.00 + 2 130.00) + 2 172.50	22.88	21.40	44.28	26.78	
	16QAM	(2 115.00 + 2 130.00) + 2 172.50	22.93	21.40	44.33	27.09	
	64QAM	(2 115.00 + 2 130.00) + 2 172.50	22.87	21.40	44.27	26.71	
	256QAM	(2 115.00 + 2 130.00) + 2 172.50	22.91	21.40	44.31	26.98	
Port 15	QPSK	(2 115.00 + 2 130.00) + 2 172.50	22.94	21.40	44.34	27.15	
	16QAM	(2 115.00 + 2 130.00) + 2 172.50	23.03	21.40	44.43	27.71	
	64QAM	(2 115.00 + 2 130.00) + 2 172.50	22.97	21.40	44.37	27.32	
	256QAM	(2 115.00 + 2 130.00) + 2 172.50	23.02	21.40	44.42	27.70	
Port 16	QPSK	(2 115.00 + 2 130.00) + 2 172.50	22.86	21.40	44.26	26.67	
	16QAM	(2 115.00 + 2 130.00) + 2 172.50	22.95	21.40	44.35	27.22	
	64QAM	(2 115.00 + 2 130.00) + 2 172.50	22.94	21.40	44.34	27.14	
	256QAM	(2 115.00 + 2 130.00) + 2 172.50	22.95	21.40	44.35	27.21	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
(2 115.00 + 2 130.00) + 2 172.50	140.48	142.58	142.28	140.78

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
(2 115.00 + 2 130.00) + 2 172.50	430.74	437.18	436.25	431.66	1640

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier
[4 Carrier]_(1C+3C)

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.33	21.40	43.73	23.60	1640
	16QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.30	21.40	43.70	23.46	
	64QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.44	21.40	43.84	24.20	
	256QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.46	21.40	43.86	24.30	
Port 2	QPSK	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.35	21.40	43.75	23.72	
	16QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.35	21.40	43.75	23.74	
	64QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.49	21.40	43.89	24.51	
	256QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.52	21.40	43.92	24.68	
Port 3	QPSK	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.41	21.40	43.81	24.03	
	16QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.46	21.40	43.86	24.31	
	64QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.50	21.40	43.90	24.55	
	256QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.51	21.40	43.91	24.63	
Port 4	QPSK	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.26	21.40	43.66	23.21	
	16QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.26	21.40	43.66	23.20	
	64QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.42	21.40	43.82	24.12	
	256QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.33	21.40	43.73	23.61	
Port 5	QPSK	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.35	21.40	43.75	23.70	
	16QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.40	21.40	43.80	23.99	
	64QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.46	21.40	43.86	24.33	
	256QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.37	21.40	43.77	23.84	
Port 6	QPSK	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.44	21.40	43.84	24.21	
	16QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.46	21.40	43.86	24.35	
	64QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.57	21.40	43.97	24.94	
	256QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.50	21.40	43.90	24.54	
Port 7	QPSK	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.22	21.40	43.62	23.03	
	16QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.22	21.40	43.62	23.00	
	64QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.34	21.40	43.74	23.68	
	256QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.31	21.40	43.71	23.52	
Port 8	QPSK	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.45	21.40	43.85	24.29	
	16QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.47	21.40	43.87	24.39	
	64QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.55	21.40	43.95	24.82	
	256QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.57	21.40	43.97	24.92	

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.33	21.40	43.73	23.61	1640
	16QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.46	21.40	43.86	24.31	
	64QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.51	21.40	43.91	24.61	
	256QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.48	21.40	43.88	24.42	
Port 10	QPSK	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.22	21.40	43.62	23.02	
	16QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.26	21.40	43.66	23.24	
	64QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.43	21.40	43.83	24.13	
	256QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.30	21.40	43.70	23.46	
Port 11	QPSK	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.35	21.40	43.75	23.69	
	16QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.36	21.40	43.76	23.76	
	64QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.57	21.40	43.97	24.95	
	256QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.42	21.40	43.82	24.08	
Port 12	QPSK	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.34	21.40	43.74	23.67	
	16QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.42	21.40	43.82	24.11	
	64QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.49	21.40	43.89	24.50	
	256QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.48	21.40	43.88	24.46	
Port 13	QPSK	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.22	21.40	43.62	23.00	
	16QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.19	21.40	43.59	22.86	
	64QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.33	21.40	43.73	23.60	
	256QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.32	21.40	43.72	23.53	
Port 14	QPSK	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.26	21.40	43.66	23.21	
	16QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.28	21.40	43.68	23.33	
	64QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.38	21.40	43.78	23.89	
	256QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.33	21.40	43.73	23.61	
Port 15	QPSK	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.44	21.40	43.84	24.21	
	16QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.38	21.40	43.78	23.89	
	64QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.52	21.40	43.92	24.67	
	256QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.49	21.40	43.89	24.48	
Port 16	QPSK	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.32	21.40	43.72	23.56	
	16QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.32	21.40	43.72	23.58	
	64QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.42	21.40	43.82	24.08	
	256QAM	2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	22.41	21.40	43.81	24.03	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	136.89	137.54	141.18	139.92

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
2 115.00 + (2 150.00 + 2 165.00 + 2 175.00)	377.75	379.53	389.59	386.11	1640

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier
[4 Carrier]_(3C+1C)

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Port Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 1	QPSK	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.43	21.40	43.83	24.14	1640
	16QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.44	21.40	43.84	24.24	
	64QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.43	21.40	43.83	24.17	
	256QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.42	21.40	43.82	24.09	
Port 2	QPSK	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.47	21.40	43.87	24.36	
	16QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.44	21.40	43.84	24.23	
	64QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.51	21.40	43.91	24.61	
	256QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.42	21.40	43.82	24.10	
Port 3	QPSK	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.46	21.40	43.86	24.31	
	16QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.48	21.40	43.88	24.44	
	64QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.50	21.40	43.90	24.57	
	256QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.48	21.40	43.88	24.45	
Port 4	QPSK	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.37	21.40	43.77	23.81	
	16QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.35	21.40	43.75	23.73	
	64QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.45	21.40	43.85	24.25	
	256QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.38	21.40	43.78	23.87	
Port 5	QPSK	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.43	21.40	43.83	24.18	
	16QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.40	21.40	43.80	24.00	
	64QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.56	21.40	43.96	24.89	
	256QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.47	21.40	43.87	24.39	
Port 6	QPSK	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.48	21.40	43.88	24.46	
	16QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.48	21.40	43.88	24.42	
	64QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.54	21.40	43.94	24.75	
	256QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.45	21.40	43.85	24.29	
Port 7	QPSK	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.31	21.40	43.71	23.47	
	16QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.28	21.40	43.68	23.33	
	64QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.31	21.40	43.71	23.48	
	256QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.30	21.40	43.70	23.45	
Port 8	QPSK	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.49	21.40	43.89	24.50	
	16QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.54	21.40	43.94	24.79	
	64QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.63	21.40	44.03	25.32	
	256QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.58	21.40	43.98	25.00	

Port	Mod	Frequency (MHz)	Calculated Value (dBm/MHz)	Ant Gain (dBi)	E.I.R.P (dBm/MHz)	Calculated (W/MHz)	Limit (W/MHz)
Port 9	QPSK	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.46	21.40	43.86	24.32	1640
	16QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.43	21.40	43.83	24.14	
	64QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.53	21.40	43.93	24.73	
	256QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.47	21.40	43.87	24.39	
Port 10	QPSK	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.36	21.40	43.76	23.77	
	16QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.32	21.40	43.72	23.55	
	64QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.45	21.40	43.85	24.24	
	256QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.36	21.40	43.76	23.75	
Port 11	QPSK	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.45	21.40	43.85	24.26	
	16QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.49	21.40	43.89	24.47	
	64QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.55	21.40	43.95	24.81	
	256QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.53	21.40	43.93	24.70	
Port 12	QPSK	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.47	21.40	43.87	24.38	
	16QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.45	21.40	43.85	24.27	
	64QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.53	21.40	43.93	24.70	
	256QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.48	21.40	43.88	24.44	
Port 13	QPSK	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.31	21.40	43.71	23.50	
	16QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.31	21.40	43.71	23.49	
	64QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.36	21.40	43.76	23.79	
	256QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.32	21.40	43.72	23.57	
Port 14	QPSK	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.41	21.40	43.81	24.06	
	16QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.43	21.40	43.83	24.17	
	64QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.50	21.40	43.90	24.56	
	256QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.44	21.40	43.84	24.21	
Port 15	QPSK	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.47	21.40	43.87	24.39	
	16QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.50	21.40	43.90	24.52	
	64QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.55	21.40	43.95	24.81	
	256QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.51	21.40	43.91	24.60	
Port 16	QPSK	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.36	21.40	43.76	23.78	
	16QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.33	21.40	43.73	23.62	
	64QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.45	21.40	43.85	24.25	
	256QAM	(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	22.39	21.40	43.79	23.91	

Sum Data of Port 1 ~ Port16

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	139.77	139.66	142.03	140.32

Frequency (MHz)	Output Power(E.I.R.P.)				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				W/MHz
(2 115.00 + 2 125.00 + 2 140.00) + 2 175.00	385.70	385.40	391.95	387.20	1640

Tabular data of PAPR

LTE Band 25 5 MHz 1 Carrier

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 1	QPSK	Low	1932.50	8.28
		Middle	1962.50	8.31
		High	1992.50	8.33
	16QAM	Low	1932.50	8.39
		Middle	1962.50	8.43
		High	1992.50	8.37
	64QAM	Low	1932.50	8.27
		Middle	1962.50	8.34
		High	1992.50	8.33
	256QAM	Low	1932.50	8.27
		Middle	1962.50	8.33
		High	1992.50	8.30
Port 2	QPSK	Low	1932.50	8.30
		Middle	1962.50	8.33
		High	1992.50	8.31
	16QAM	Low	1932.50	8.39
		Middle	1962.50	8.40
		High	1992.50	8.40
	64QAM	Low	1932.50	8.27
		Middle	1962.50	8.33
		High	1992.50	8.29
	256QAM	Low	1932.50	8.26
		Middle	1962.50	8.32
		High	1992.50	8.33

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 3	QPSK	Low	1932.50	8.28
		Middle	1962.50	8.35
		High	1992.50	8.30
	16QAM	Low	1932.50	8.41
		Middle	1962.50	8.41
		High	1992.50	8.43
	64QAM	Low	1932.50	8.27
		Middle	1962.50	8.37
		High	1992.50	8.30
	256QAM	Low	1932.50	8.28
		Middle	1962.50	8.34
		High	1992.50	8.28
Port 4	QPSK	Low	1932.50	8.26
		Middle	1962.50	8.33
		High	1992.50	8.28
	16QAM	Low	1932.50	8.40
		Middle	1962.50	8.37
		High	1992.50	8.42
	64QAM	Low	1932.50	8.27
		Middle	1962.50	8.28
		High	1992.50	8.31
	256QAM	Low	1932.50	8.27
		Middle	1962.50	8.31
		High	1992.50	8.29
Port 5	QPSK	Low	1932.50	8.26
		Middle	1962.50	8.30
		High	1992.50	8.30
	16QAM	Low	1932.50	8.40
		Middle	1962.50	8.38
		High	1992.50	8.43
	64QAM	Low	1932.50	8.29
		Middle	1962.50	8.36
		High	1992.50	8.28
	256QAM	Low	1932.50	8.25
		Middle	1962.50	8.32
		High	1992.50	8.30

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 6	QPSK	Low	1932.50	8.30
		Middle	1962.50	8.33
		High	1992.50	8.25
	16QAM	Low	1932.50	8.38
		Middle	1962.50	8.42
		High	1992.50	8.39
	64QAM	Low	1932.50	8.28
		Middle	1962.50	8.31
		High	1992.50	8.32
	256QAM	Low	1932.50	8.29
		Middle	1962.50	8.33
		High	1992.50	8.27
Port 7	QPSK	Low	1932.50	8.25
		Middle	1962.50	8.33
		High	1992.50	8.26
	16QAM	Low	1932.50	8.38
		Middle	1962.50	8.36
		High	1992.50	8.40
	64QAM	Low	1932.50	8.26
		Middle	1962.50	8.35
		High	1992.50	8.28
	256QAM	Low	1932.50	8.29
		Middle	1962.50	8.33
		High	1992.50	8.25
Port 8	QPSK	Low	1932.50	8.31
		Middle	1962.50	8.36
		High	1992.50	8.26
	16QAM	Low	1932.50	8.42
		Middle	1962.50	8.38
		High	1992.50	8.40
	64QAM	Low	1932.50	8.30
		Middle	1962.50	8.33
		High	1992.50	8.28
	256QAM	Low	1932.50	8.30
		Middle	1962.50	8.36
		High	1992.50	8.27

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 9	QPSK	Low	1932.50	8.27
		Middle	1962.50	8.33
		High	1992.50	8.27
	16QAM	Low	1932.50	8.38
		Middle	1962.50	8.40
		High	1992.50	8.41
	64QAM	Low	1932.50	8.30
		Middle	1962.50	8.30
		High	1992.50	8.31
	256QAM	Low	1932.50	8.29
		Middle	1962.50	8.31
		High	1992.50	8.31
Port 10	QPSK	Low	1932.50	8.31
		Middle	1962.50	8.30
		High	1992.50	8.32
	16QAM	Low	1932.50	8.39
		Middle	1962.50	8.43
		High	1992.50	8.40
	64QAM	Low	1932.50	8.30
		Middle	1962.50	8.29
		High	1992.50	8.30
	256QAM	Low	1932.50	8.29
		Middle	1962.50	8.32
		High	1992.50	8.24
Port 11	QPSK	Low	1932.50	8.27
		Middle	1962.50	8.32
		High	1992.50	8.29
	16QAM	Low	1932.50	8.36
		Middle	1962.50	8.42
		High	1992.50	8.45
	64QAM	Low	1932.50	8.28
		Middle	1962.50	8.37
		High	1992.50	8.27
	256QAM	Low	1932.50	8.30
		Middle	1962.50	8.33
		High	1992.50	8.28

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 12	QPSK	Low	1932.50	8.32
		Middle	1962.50	8.31
		High	1992.50	8.28
	16QAM	Low	1932.50	8.39
		Middle	1962.50	8.37
		High	1992.50	8.41
	64QAM	Low	1932.50	8.26
		Middle	1962.50	8.31
		High	1992.50	8.24
	256QAM	Low	1932.50	8.30
		Middle	1962.50	8.32
		High	1992.50	8.29
Port 13	QPSK	Low	1932.50	8.25
		Middle	1962.50	8.32
		High	1992.50	8.27
	16QAM	Low	1932.50	8.39
		Middle	1962.50	8.41
		High	1992.50	8.40
	64QAM	Low	1932.50	8.27
		Middle	1962.50	8.37
		High	1992.50	8.28
	256QAM	Low	1932.50	8.26
		Middle	1962.50	8.34
		High	1992.50	8.29
Port 14	QPSK	Low	1932.50	8.29
		Middle	1962.50	8.36
		High	1992.50	8.30
	16QAM	Low	1932.50	8.39
		Middle	1962.50	8.43
		High	1992.50	8.42
	64QAM	Low	1932.50	8.28
		Middle	1962.50	8.33
		High	1992.50	8.30
	256QAM	Low	1932.50	8.27
		Middle	1962.50	8.36
		High	1992.50	8.28

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 15	QPSK	Low	1932.50	8.32
		Middle	1962.50	8.33
		High	1992.50	8.26
	16QAM	Low	1932.50	8.39
		Middle	1962.50	8.41
		High	1992.50	8.43
	64QAM	Low	1932.50	8.30
		Middle	1962.50	8.32
		High	1992.50	8.28
	256QAM	Low	1932.50	8.29
		Middle	1962.50	8.31
		High	1992.50	8.32
Port 16	QPSK	Low	1932.50	8.28
		Middle	1962.50	8.32
		High	1992.50	8.26
	16QAM	Low	1932.50	8.38
		Middle	1962.50	8.41
		High	1992.50	8.38
	64QAM	Low	1932.50	8.31
		Middle	1962.50	8.36
		High	1992.50	8.28
	256QAM	Low	1932.50	8.30
		Middle	1962.50	8.36
		High	1992.50	8.30

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Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 1	QPSK	Low	1935.00	8.36
		Middle	1962.50	8.38
		High	1990.00	8.35
	16QAM	Low	1935.00	8.39
		Middle	1962.50	8.37
		High	1990.00	8.32
	64QAM	Low	1935.00	8.34
		Middle	1962.50	8.42
		High	1990.00	8.35
	256QAM	Low	1935.00	8.39
		Middle	1962.50	8.35
		High	1990.00	8.36
Port 2	QPSK	Low	1935.00	8.39
		Middle	1962.50	8.36
		High	1990.00	8.38
	16QAM	Low	1935.00	8.34
		Middle	1962.50	8.35
		High	1990.00	8.35
	64QAM	Low	1935.00	8.39
		Middle	1962.50	8.35
		High	1990.00	8.39
	256QAM	Low	1935.00	8.40
		Middle	1962.50	8.39
		High	1990.00	8.35

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 3	QPSK	Low	1935.00	8.40
		Middle	1962.50	8.33
		High	1990.00	8.37
	16QAM	Low	1935.00	8.37
		Middle	1962.50	8.37
		High	1990.00	8.36
	64QAM	Low	1935.00	8.34
		Middle	1962.50	8.31
		High	1990.00	8.36
	256QAM	Low	1935.00	8.37
		Middle	1962.50	8.42
		High	1990.00	8.34
Port 4	QPSK	Low	1935.00	8.39
		Middle	1962.50	8.34
		High	1990.00	8.38
	16QAM	Low	1935.00	8.37
		Middle	1962.50	8.36
		High	1990.00	8.34
	64QAM	Low	1935.00	8.34
		Middle	1962.50	8.35
		High	1990.00	8.38
	256QAM	Low	1935.00	8.37
		Middle	1962.50	8.37
		High	1990.00	8.39
Port 5	QPSK	Low	1935.00	8.35
		Middle	1962.50	8.38
		High	1990.00	8.40
	16QAM	Low	1935.00	8.38
		Middle	1962.50	8.38
		High	1990.00	8.39
	64QAM	Low	1935.00	8.35
		Middle	1962.50	8.41
		High	1990.00	8.39
	256QAM	Low	1935.00	8.38
		Middle	1962.50	8.40
		High	1990.00	8.39

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 6	QPSK	Low	1935.00	8.37
		Middle	1962.50	8.36
		High	1990.00	8.39
	16QAM	Low	1935.00	8.38
		Middle	1962.50	8.35
		High	1990.00	8.33
	64QAM	Low	1935.00	8.39
		Middle	1962.50	8.34
		High	1990.00	8.36
	256QAM	Low	1935.00	8.39
		Middle	1962.50	8.37
		High	1990.00	8.40
Port 7	QPSK	Low	1935.00	8.36
		Middle	1962.50	8.39
		High	1990.00	8.35
	16QAM	Low	1935.00	8.39
		Middle	1962.50	8.41
		High	1990.00	8.35
	64QAM	Low	1935.00	8.36
		Middle	1962.50	8.41
		High	1990.00	8.33
	256QAM	Low	1935.00	8.35
		Middle	1962.50	8.35
		High	1990.00	8.39
Port 8	QPSK	Low	1935.00	8.38
		Middle	1962.50	8.35
		High	1990.00	8.38
	16QAM	Low	1935.00	8.37
		Middle	1962.50	8.39
		High	1990.00	8.38
	64QAM	Low	1935.00	8.38
		Middle	1962.50	8.38
		High	1990.00	8.40
	256QAM	Low	1935.00	8.34
		Middle	1962.50	8.32
		High	1990.00	8.37

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 9	QPSK	Low	1935.00	8.36
		Middle	1962.50	8.37
		High	1990.00	8.39
	16QAM	Low	1935.00	8.38
		Middle	1962.50	8.37
		High	1990.00	8.36
	64QAM	Low	1935.00	8.38
		Middle	1962.50	8.38
		High	1990.00	8.38
	256QAM	Low	1935.00	8.38
		Middle	1962.50	8.40
		High	1990.00	8.37
Port 10	QPSK	Low	1935.00	8.34
		Middle	1962.50	8.36
		High	1990.00	8.39
	16QAM	Low	1935.00	8.39
		Middle	1962.50	8.36
		High	1990.00	8.38
	64QAM	Low	1935.00	8.38
		Middle	1962.50	8.39
		High	1990.00	8.36
	256QAM	Low	1935.00	8.37
		Middle	1962.50	8.35
		High	1990.00	8.36
Port 11	QPSK	Low	1935.00	8.36
		Middle	1962.50	8.38
		High	1990.00	8.36
	16QAM	Low	1935.00	8.40
		Middle	1962.50	8.37
		High	1990.00	8.35
	64QAM	Low	1935.00	8.35
		Middle	1962.50	8.37
		High	1990.00	8.37
	256QAM	Low	1935.00	8.37
		Middle	1962.50	8.37
		High	1990.00	8.37

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 12	QPSK	Low	1935.00	8.37
		Middle	1962.50	8.35
		High	1990.00	8.36
	16QAM	Low	1935.00	8.39
		Middle	1962.50	8.40
		High	1990.00	8.34
	64QAM	Low	1935.00	8.37
		Middle	1962.50	8.37
		High	1990.00	8.36
	256QAM	Low	1935.00	8.35
		Middle	1962.50	8.37
		High	1990.00	8.40
Port 13	QPSK	Low	1935.00	8.37
		Middle	1962.50	8.41
		High	1990.00	8.34
	16QAM	Low	1935.00	8.37
		Middle	1962.50	8.40
		High	1990.00	8.35
	64QAM	Low	1935.00	8.37
		Middle	1962.50	8.36
		High	1990.00	8.37
	256QAM	Low	1935.00	8.34
		Middle	1962.50	8.39
		High	1990.00	8.36
Port 14	QPSK	Low	1935.00	8.35
		Middle	1962.50	8.35
		High	1990.00	8.36
	16QAM	Low	1935.00	8.38
		Middle	1962.50	8.37
		High	1990.00	8.38
	64QAM	Low	1935.00	8.38
		Middle	1962.50	8.39
		High	1990.00	8.41
	256QAM	Low	1935.00	8.37
		Middle	1962.50	8.35
		High	1990.00	8.38

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 15	QPSK	Low	1935.00	8.36
		Middle	1962.50	8.36
		High	1990.00	8.39
	16QAM	Low	1935.00	8.40
		Middle	1962.50	8.40
		High	1990.00	8.34
	64QAM	Low	1935.00	8.41
		Middle	1962.50	8.34
		High	1990.00	8.41
	256QAM	Low	1935.00	8.33
		Middle	1962.50	8.37
		High	1990.00	8.39
Port 16	QPSK	Low	1935.00	8.39
		Middle	1962.50	8.43
		High	1990.00	8.39
	16QAM	Low	1935.00	8.38
		Middle	1962.50	8.35
		High	1990.00	8.40
	64QAM	Low	1935.00	8.37
		Middle	1962.50	8.37
		High	1990.00	8.38
	256QAM	Low	1935.00	8.39
		Middle	1962.50	8.34
		High	1990.00	8.37

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Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 1	QPSK	Low	1937.50	8.31
		Middle	1962.50	8.29
		High	1987.50	8.31
	16QAM	Low	1937.50	8.26
		Middle	1962.50	8.31
		High	1987.50	8.34
	64QAM	Low	1937.50	8.30
		Middle	1962.50	8.31
		High	1987.50	8.28
	256QAM	Low	1937.50	8.29
		Middle	1962.50	8.30
		High	1987.50	8.28
Port 2	QPSK	Low	1937.50	8.31
		Middle	1962.50	8.35
		High	1987.50	8.33
	16QAM	Low	1937.50	8.26
		Middle	1962.50	8.31
		High	1987.50	8.32
	64QAM	Low	1937.50	8.30
		Middle	1962.50	8.32
		High	1987.50	8.27
	256QAM	Low	1937.50	8.28
		Middle	1962.50	8.30
		High	1987.50	8.27

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 3	QPSK	Low	1937.50	8.28
		Middle	1962.50	8.33
		High	1987.50	8.33
	16QAM	Low	1937.50	8.30
		Middle	1962.50	8.28
		High	1987.50	8.33
	64QAM	Low	1937.50	8.30
		Middle	1962.50	8.32
		High	1987.50	8.29
	256QAM	Low	1937.50	8.30
		Middle	1962.50	8.31
		High	1987.50	8.30
Port 4	QPSK	Low	1937.50	8.30
		Middle	1962.50	8.34
		High	1987.50	8.30
	16QAM	Low	1937.50	8.27
		Middle	1962.50	8.31
		High	1987.50	8.30
	64QAM	Low	1937.50	8.31
		Middle	1962.50	8.32
		High	1987.50	8.27
	256QAM	Low	1937.50	8.30
		Middle	1962.50	8.33
		High	1987.50	8.27
Port 5	QPSK	Low	1937.50	8.33
		Middle	1962.50	8.33
		High	1987.50	8.32
	16QAM	Low	1937.50	8.30
		Middle	1962.50	8.33
		High	1987.50	8.33
	64QAM	Low	1937.50	8.30
		Middle	1962.50	8.31
		High	1987.50	8.26
	256QAM	Low	1937.50	8.29
		Middle	1962.50	8.32
		High	1987.50	8.28

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 6	QPSK	Low	1937.50	8.33
		Middle	1962.50	8.30
		High	1987.50	8.32
	16QAM	Low	1937.50	8.32
		Middle	1962.50	8.29
		High	1987.50	8.32
	64QAM	Low	1937.50	8.35
		Middle	1962.50	8.34
		High	1987.50	8.25
	256QAM	Low	1937.50	8.32
		Middle	1962.50	8.31
		High	1987.50	8.27
Port 7	QPSK	Low	1937.50	8.29
		Middle	1962.50	8.35
		High	1987.50	8.30
	16QAM	Low	1937.50	8.28
		Middle	1962.50	8.32
		High	1987.50	8.32
	64QAM	Low	1937.50	8.30
		Middle	1962.50	8.31
		High	1987.50	8.29
	256QAM	Low	1937.50	8.30
		Middle	1962.50	8.31
		High	1987.50	8.31
Port 8	QPSK	Low	1937.50	8.32
		Middle	1962.50	8.36
		High	1987.50	8.30
	16QAM	Low	1937.50	8.31
		Middle	1962.50	8.34
		High	1987.50	8.31
	64QAM	Low	1937.50	8.31
		Middle	1962.50	8.34
		High	1987.50	8.30
	256QAM	Low	1937.50	8.35
		Middle	1962.50	8.30
		High	1987.50	8.29

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 9	QPSK	Low	1937.50	8.34
		Middle	1962.50	8.28
		High	1987.50	8.32
	16QAM	Low	1937.50	8.29
		Middle	1962.50	8.33
		High	1987.50	8.30
	64QAM	Low	1937.50	8.30
		Middle	1962.50	8.33
		High	1987.50	8.28
	256QAM	Low	1937.50	8.30
		Middle	1962.50	8.31
		High	1987.50	8.28
Port 10	QPSK	Low	1937.50	8.33
		Middle	1962.50	8.30
		High	1987.50	8.35
	16QAM	Low	1937.50	8.27
		Middle	1962.50	8.29
		High	1987.50	8.31
	64QAM	Low	1937.50	8.29
		Middle	1962.50	8.30
		High	1987.50	8.29
	256QAM	Low	1937.50	8.29
		Middle	1962.50	8.33
		High	1987.50	8.26
Port 11	QPSK	Low	1937.50	8.33
		Middle	1962.50	8.30
		High	1987.50	8.32
	16QAM	Low	1937.50	8.35
		Middle	1962.50	8.31
		High	1987.50	8.32
	64QAM	Low	1937.50	8.31
		Middle	1962.50	8.32
		High	1987.50	8.29
	256QAM	Low	1937.50	8.30
		Middle	1962.50	8.33
		High	1987.50	8.25

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 12	QPSK	Low	1937.50	8.33
		Middle	1962.50	8.35
		High	1987.50	8.32
	16QAM	Low	1937.50	8.25
		Middle	1962.50	8.29
		High	1987.50	8.31
	64QAM	Low	1937.50	8.32
		Middle	1962.50	8.31
		High	1987.50	8.28
	256QAM	Low	1937.50	8.32
		Middle	1962.50	8.34
		High	1987.50	8.28
Port 13	QPSK	Low	1937.50	8.31
		Middle	1962.50	8.29
		High	1987.50	8.32
	16QAM	Low	1937.50	8.26
		Middle	1962.50	8.32
		High	1987.50	8.35
	64QAM	Low	1937.50	8.30
		Middle	1962.50	8.32
		High	1987.50	8.29
	256QAM	Low	1937.50	8.31
		Middle	1962.50	8.31
		High	1987.50	8.26
Port 14	QPSK	Low	1937.50	8.33
		Middle	1962.50	8.34
		High	1987.50	8.29
	16QAM	Low	1937.50	8.29
		Middle	1962.50	8.30
		High	1987.50	8.32
	64QAM	Low	1937.50	8.30
		Middle	1962.50	8.29
		High	1987.50	8.28
	256QAM	Low	1937.50	8.32
		Middle	1962.50	8.27
		High	1987.50	8.28

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 15	QPSK	Low	1937.50	8.32
		Middle	1962.50	8.32
		High	1987.50	8.33
	16QAM	Low	1937.50	8.26
		Middle	1962.50	8.30
		High	1987.50	8.34
	64QAM	Low	1937.50	8.32
		Middle	1962.50	8.32
		High	1987.50	8.26
	256QAM	Low	1937.50	8.30
		Middle	1962.50	8.34
		High	1987.50	8.28
Port 16	QPSK	Low	1937.50	8.32
		Middle	1962.50	8.30
		High	1987.50	8.32
	16QAM	Low	1937.50	8.28
		Middle	1962.50	8.30
		High	1987.50	8.34
	64QAM	Low	1937.50	8.32
		Middle	1962.50	8.30
		High	1987.50	8.28
	256QAM	Low	1937.50	8.32
		Middle	1962.50	8.32
		High	1987.50	8.28

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Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 1	QPSK	Low	1940.00	7.72
		Middle	1962.50	7.67
		High	1985.00	7.66
	16QAM	Low	1940.00	7.71
		Middle	1962.50	7.66
		High	1985.00	7.66
	64QAM	Low	1940.00	7.64
		Middle	1962.50	7.61
		High	1985.00	7.63
	256QAM	Low	1940.00	7.65
		Middle	1962.50	7.60
		High	1985.00	7.62
Port 2	QPSK	Low	1940.00	7.70
		Middle	1962.50	7.69
		High	1985.00	7.70
	16QAM	Low	1940.00	7.68
		Middle	1962.50	7.66
		High	1985.00	7.65
	64QAM	Low	1940.00	7.65
		Middle	1962.50	7.61
		High	1985.00	7.62
	256QAM	Low	1940.00	7.65
		Middle	1962.50	7.59
		High	1985.00	7.62

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 3	QPSK	Low	1940.00	7.73
		Middle	1962.50	7.67
		High	1985.00	7.69
	16QAM	Low	1940.00	7.70
		Middle	1962.50	7.67
		High	1985.00	7.67
	64QAM	Low	1940.00	7.66
		Middle	1962.50	7.61
		High	1985.00	7.62
	256QAM	Low	1940.00	7.65
		Middle	1962.50	7.60
		High	1985.00	7.61
Port 4	QPSK	Low	1940.00	7.72
		Middle	1962.50	7.66
		High	1985.00	7.68
	16QAM	Low	1940.00	7.71
		Middle	1962.50	7.66
		High	1985.00	7.67
	64QAM	Low	1940.00	7.64
		Middle	1962.50	7.60
		High	1985.00	7.63
	256QAM	Low	1940.00	7.64
		Middle	1962.50	7.60
		High	1985.00	7.62
Port 5	QPSK	Low	1940.00	7.73
		Middle	1962.50	7.68
		High	1985.00	7.69
	16QAM	Low	1940.00	7.70
		Middle	1962.50	7.67
		High	1985.00	7.67
	64QAM	Low	1940.00	7.64
		Middle	1962.50	7.60
		High	1985.00	7.61
	256QAM	Low	1940.00	7.65
		Middle	1962.50	7.59
		High	1985.00	7.62

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 6	QPSK	Low	1940.00	7.73
		Middle	1962.50	7.68
		High	1985.00	7.67
	16QAM	Low	1940.00	7.70
		Middle	1962.50	7.66
		High	1985.00	7.67
	64QAM	Low	1940.00	7.66
		Middle	1962.50	7.59
		High	1985.00	7.61
	256QAM	Low	1940.00	7.64
		Middle	1962.50	7.59
		High	1985.00	7.60
Port 7	QPSK	Low	1940.00	7.71
		Middle	1962.50	7.67
		High	1985.00	7.68
	16QAM	Low	1940.00	7.73
		Middle	1962.50	7.66
		High	1985.00	7.67
	64QAM	Low	1940.00	7.67
		Middle	1962.50	7.60
		High	1985.00	7.61
	256QAM	Low	1940.00	7.64
		Middle	1962.50	7.59
		High	1985.00	7.62
Port 8	QPSK	Low	1940.00	7.71
		Middle	1962.50	7.69
		High	1985.00	7.69
	16QAM	Low	1940.00	7.70
		Middle	1962.50	7.66
		High	1985.00	7.66
	64QAM	Low	1940.00	7.64
		Middle	1962.50	7.62
		High	1985.00	7.63
	256QAM	Low	1940.00	7.63
		Middle	1962.50	7.61
		High	1985.00	7.62

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 9	QPSK	Low	1940.00	7.71
		Middle	1962.50	7.67
		High	1985.00	7.69
	16QAM	Low	1940.00	7.70
		Middle	1962.50	7.66
		High	1985.00	7.65
	64QAM	Low	1940.00	7.65
		Middle	1962.50	7.60
		High	1985.00	7.61
	256QAM	Low	1940.00	7.65
		Middle	1962.50	7.60
		High	1985.00	7.63
Port 10	QPSK	Low	1940.00	7.71
		Middle	1962.50	7.67
		High	1985.00	7.69
	16QAM	Low	1940.00	7.71
		Middle	1962.50	7.64
		High	1985.00	7.66
	64QAM	Low	1940.00	7.65
		Middle	1962.50	7.60
		High	1985.00	7.61
	256QAM	Low	1940.00	7.63
		Middle	1962.50	7.60
		High	1985.00	7.61
Port 11	QPSK	Low	1940.00	7.70
		Middle	1962.50	7.67
		High	1985.00	7.67
	16QAM	Low	1940.00	7.71
		Middle	1962.50	7.64
		High	1985.00	7.67
	64QAM	Low	1940.00	7.64
		Middle	1962.50	7.61
		High	1985.00	7.62
	256QAM	Low	1940.00	7.63
		Middle	1962.50	7.58
		High	1985.00	7.61

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 12	QPSK	Low	1940.00	7.70
		Middle	1962.50	7.67
		High	1985.00	7.68
	16QAM	Low	1940.00	7.72
		Middle	1962.50	7.67
		High	1985.00	7.66
	64QAM	Low	1940.00	7.63
		Middle	1962.50	7.61
		High	1985.00	7.60
	256QAM	Low	1940.00	7.66
		Middle	1962.50	7.61
		High	1985.00	7.62
Port 13	QPSK	Low	1940.00	7.75
		Middle	1962.50	7.67
		High	1985.00	7.67
	16QAM	Low	1940.00	7.70
		Middle	1962.50	7.66
		High	1985.00	7.64
	64QAM	Low	1940.00	7.63
		Middle	1962.50	7.60
		High	1985.00	7.61
	256QAM	Low	1940.00	7.68
		Middle	1962.50	7.60
		High	1985.00	7.61
Port 14	QPSK	Low	1940.00	7.72
		Middle	1962.50	7.68
		High	1985.00	7.68
	16QAM	Low	1940.00	7.71
		Middle	1962.50	7.65
		High	1985.00	7.67
	64QAM	Low	1940.00	7.63
		Middle	1962.50	7.62
		High	1985.00	7.64
	256QAM	Low	1940.00	7.65
		Middle	1962.50	7.60
		High	1985.00	7.62

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 15	QPSK	Low	1940.00	7.73
		Middle	1962.50	7.68
		High	1985.00	7.69
	16QAM	Low	1940.00	7.71
		Middle	1962.50	7.67
		High	1985.00	7.67
	64QAM	Low	1940.00	7.66
		Middle	1962.50	7.61
		High	1985.00	7.63
	256QAM	Low	1940.00	7.66
		Middle	1962.50	7.62
		High	1985.00	7.62
Port 16	QPSK	Low	1940.00	7.72
		Middle	1962.50	7.68
		High	1985.00	7.67
	16QAM	Low	1940.00	7.70
		Middle	1962.50	7.65
		High	1985.00	7.66
	64QAM	Low	1940.00	7.63
		Middle	1962.50	7.59
		High	1985.00	7.62
	256QAM	Low	1940.00	7.64
		Middle	1962.50	7.60
		High	1985.00	7.59

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Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 1	QPSK	Low	2112.50	8.47
		Middle	2145.00	8.47
		High	2177.50	8.40
	16QAM	Low	2112.50	8.30
		Middle	2145.00	8.27
		High	2177.50	8.38
	64QAM	Low	2112.50	8.35
		Middle	2145.00	8.33
		High	2177.50	8.35
	256QAM	Low	2112.50	8.36
		Middle	2145.00	8.31
		High	2177.50	8.38
Port 2	QPSK	Low	2112.50	8.42
		Middle	2145.00	8.46
		High	2177.50	8.40
	16QAM	Low	2112.50	8.32
		Middle	2145.00	8.31
		High	2177.50	8.35
	64QAM	Low	2112.50	8.29
		Middle	2145.00	8.32
		High	2177.50	8.38
	256QAM	Low	2112.50	8.39
		Middle	2145.00	8.35
		High	2177.50	8.28

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 3	QPSK	Low	2112.50	8.50
		Middle	2145.00	8.44
		High	2177.50	8.41
	16QAM	Low	2112.50	8.30
		Middle	2145.00	8.35
		High	2177.50	8.32
	64QAM	Low	2112.50	8.37
		Middle	2145.00	8.33
		High	2177.50	8.28
	256QAM	Low	2112.50	8.34
		Middle	2145.00	8.37
		High	2177.50	8.38
Port 4	QPSK	Low	2112.50	8.49
		Middle	2145.00	8.48
		High	2177.50	8.49
	16QAM	Low	2112.50	8.33
		Middle	2145.00	8.35
		High	2177.50	8.35
	64QAM	Low	2112.50	8.29
		Middle	2145.00	8.37
		High	2177.50	8.31
	256QAM	Low	2112.50	8.38
		Middle	2145.00	8.40
		High	2177.50	8.34
Port 5	QPSK	Low	2112.50	8.46
		Middle	2145.00	8.40
		High	2177.50	8.51
	16QAM	Low	2112.50	8.35
		Middle	2145.00	8.31
		High	2177.50	8.35
	64QAM	Low	2112.50	8.31
		Middle	2145.00	8.34
		High	2177.50	8.36
	256QAM	Low	2112.50	8.41
		Middle	2145.00	8.35
		High	2177.50	8.39

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 6	QPSK	Low	2112.50	8.44
		Middle	2145.00	8.49
		High	2177.50	8.48
	16QAM	Low	2112.50	8.34
		Middle	2145.00	8.37
		High	2177.50	8.35
	64QAM	Low	2112.50	8.31
		Middle	2145.00	8.33
		High	2177.50	8.39
	256QAM	Low	2112.50	8.38
		Middle	2145.00	8.34
		High	2177.50	8.38
Port 7	QPSK	Low	2112.50	8.43
		Middle	2145.00	8.52
		High	2177.50	8.43
	16QAM	Low	2112.50	8.37
		Middle	2145.00	8.38
		High	2177.50	8.37
	64QAM	Low	2112.50	8.36
		Middle	2145.00	8.30
		High	2177.50	8.34
	256QAM	Low	2112.50	8.34
		Middle	2145.00	8.37
		High	2177.50	8.34
Port 8	QPSK	Low	2112.50	8.44
		Middle	2145.00	8.51
		High	2177.50	8.45
	16QAM	Low	2112.50	8.37
		Middle	2145.00	8.39
		High	2177.50	8.35
	64QAM	Low	2112.50	8.32
		Middle	2145.00	8.34
		High	2177.50	8.33
	256QAM	Low	2112.50	8.42
		Middle	2145.00	8.39
		High	2177.50	8.36

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 9	QPSK	Low	2112.50	8.51
		Middle	2145.00	8.46
		High	2177.50	8.35
	16QAM	Low	2112.50	8.37
		Middle	2145.00	8.38
		High	2177.50	8.36
	64QAM	Low	2112.50	8.29
		Middle	2145.00	8.32
		High	2177.50	8.34
	256QAM	Low	2112.50	8.37
		Middle	2145.00	8.39
		High	2177.50	8.39
Port 10	QPSK	Low	2112.50	8.47
		Middle	2145.00	8.54
		High	2177.50	8.39
	16QAM	Low	2112.50	8.35
		Middle	2145.00	8.36
		High	2177.50	8.34
	64QAM	Low	2112.50	8.32
		Middle	2145.00	8.33
		High	2177.50	8.32
	256QAM	Low	2112.50	8.37
		Middle	2145.00	8.33
		High	2177.50	8.39
Port 11	QPSK	Low	2112.50	8.47
		Middle	2145.00	8.42
		High	2177.50	8.41
	16QAM	Low	2112.50	8.37
		Middle	2145.00	8.37
		High	2177.50	8.39
	64QAM	Low	2112.50	8.30
		Middle	2145.00	8.31
		High	2177.50	8.29
	256QAM	Low	2112.50	8.41
		Middle	2145.00	8.40
		High	2177.50	8.38

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 12	QPSK	Low	2112.50	8.37
		Middle	2145.00	8.43
		High	2177.50	8.50
	16QAM	Low	2112.50	8.35
		Middle	2145.00	8.40
		High	2177.50	8.35
	64QAM	Low	2112.50	8.31
		Middle	2145.00	8.31
		High	2177.50	8.34
	256QAM	Low	2112.50	8.34
		Middle	2145.00	8.36
		High	2177.50	8.36
Port 13	QPSK	Low	2112.50	8.45
		Middle	2145.00	8.53
		High	2177.50	8.46
	16QAM	Low	2112.50	8.36
		Middle	2145.00	8.35
		High	2177.50	8.35
	64QAM	Low	2112.50	8.36
		Middle	2145.00	8.36
		High	2177.50	8.40
	256QAM	Low	2112.50	8.39
		Middle	2145.00	8.35
		High	2177.50	8.35
Port 14	QPSK	Low	2112.50	8.48
		Middle	2145.00	8.43
		High	2177.50	8.42
	16QAM	Low	2112.50	8.35
		Middle	2145.00	8.34
		High	2177.50	8.33
	64QAM	Low	2112.50	8.36
		Middle	2145.00	8.32
		High	2177.50	8.29
	256QAM	Low	2112.50	8.41
		Middle	2145.00	8.39
		High	2177.50	8.33

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 15	QPSK	Low	2112.50	8.45
		Middle	2145.00	8.49
		High	2177.50	8.40
	16QAM	Low	2112.50	8.33
		Middle	2145.00	8.38
		High	2177.50	8.33
	64QAM	Low	2112.50	8.33
		Middle	2145.00	8.35
		High	2177.50	8.34
	256QAM	Low	2112.50	8.43
		Middle	2145.00	8.36
		High	2177.50	8.35
Port 16	QPSK	Low	2112.50	8.49
		Middle	2145.00	8.46
		High	2177.50	8.41
	16QAM	Low	2112.50	8.37
		Middle	2145.00	8.36
		High	2177.50	8.36
	64QAM	Low	2112.50	8.36
		Middle	2145.00	8.35
		High	2177.50	8.34
	256QAM	Low	2112.50	8.42
		Middle	2145.00	8.40
		High	2177.50	8.42

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Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 1	QPSK	Low	2115.00	8.40
		Middle	2145.00	8.41
		High	2175.00	8.42
	16QAM	Low	2115.00	8.44
		Middle	2145.00	8.40
		High	2175.00	8.45
	64QAM	Low	2115.00	8.36
		Middle	2145.00	8.42
		High	2175.00	8.41
	256QAM	Low	2115.00	8.45
		Middle	2145.00	8.45
		High	2175.00	8.40
Port 2	QPSK	Low	2115.00	8.40
		Middle	2145.00	8.41
		High	2175.00	8.35
	16QAM	Low	2115.00	8.44
		Middle	2145.00	8.55
		High	2175.00	8.43
	64QAM	Low	2115.00	8.40
		Middle	2145.00	8.43
		High	2175.00	8.33
	256QAM	Low	2115.00	8.38
		Middle	2145.00	8.40
		High	2175.00	8.48

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 3	QPSK	Low	2115.00	8.37
		Middle	2145.00	8.35
		High	2175.00	8.43
	16QAM	Low	2115.00	8.46
		Middle	2145.00	8.39
		High	2175.00	8.45
	64QAM	Low	2115.00	8.39
		Middle	2145.00	8.47
		High	2175.00	8.43
	256QAM	Low	2115.00	8.47
		Middle	2145.00	8.48
		High	2175.00	8.42
Port 4	QPSK	Low	2115.00	8.35
		Middle	2145.00	8.42
		High	2175.00	8.38
	16QAM	Low	2115.00	8.46
		Middle	2145.00	8.47
		High	2175.00	8.47
	64QAM	Low	2115.00	8.43
		Middle	2145.00	8.41
		High	2175.00	8.41
	256QAM	Low	2115.00	8.48
		Middle	2145.00	8.43
		High	2175.00	8.50
Port 5	QPSK	Low	2115.00	8.42
		Middle	2145.00	8.35
		High	2175.00	8.39
	16QAM	Low	2115.00	8.39
		Middle	2145.00	8.47
		High	2175.00	8.51
	64QAM	Low	2115.00	8.34
		Middle	2145.00	8.38
		High	2175.00	8.42
	256QAM	Low	2115.00	8.44
		Middle	2145.00	8.46
		High	2175.00	8.45

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 6	QPSK	Low	2115.00	8.41
		Middle	2145.00	8.48
		High	2175.00	8.44
	16QAM	Low	2115.00	8.36
		Middle	2145.00	8.51
		High	2175.00	8.40
	64QAM	Low	2115.00	8.39
		Middle	2145.00	8.37
		High	2175.00	8.41
	256QAM	Low	2115.00	8.46
		Middle	2145.00	8.50
		High	2175.00	8.43
Port 7	QPSK	Low	2115.00	8.47
		Middle	2145.00	8.36
		High	2175.00	8.44
	16QAM	Low	2115.00	8.45
		Middle	2145.00	8.42
		High	2175.00	8.43
	64QAM	Low	2115.00	8.36
		Middle	2145.00	8.38
		High	2175.00	8.38
	256QAM	Low	2115.00	8.47
		Middle	2145.00	8.46
		High	2175.00	8.45
Port 8	QPSK	Low	2115.00	8.46
		Middle	2145.00	8.45
		High	2175.00	8.42
	16QAM	Low	2115.00	8.50
		Middle	2145.00	8.41
		High	2175.00	8.37
	64QAM	Low	2115.00	8.38
		Middle	2145.00	8.41
		High	2175.00	8.36
	256QAM	Low	2115.00	8.45
		Middle	2145.00	8.47
		High	2175.00	8.44

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 9	QPSK	Low	2115.00	8.36
		Middle	2145.00	8.40
		High	2175.00	8.41
	16QAM	Low	2115.00	8.42
		Middle	2145.00	8.40
		High	2175.00	8.44
	64QAM	Low	2115.00	8.35
		Middle	2145.00	8.39
		High	2175.00	8.40
	256QAM	Low	2115.00	8.47
		Middle	2145.00	8.47
		High	2175.00	8.49
Port 10	QPSK	Low	2115.00	8.41
		Middle	2145.00	8.40
		High	2175.00	8.39
	16QAM	Low	2115.00	8.52
		Middle	2145.00	8.52
		High	2175.00	8.40
	64QAM	Low	2115.00	8.36
		Middle	2145.00	8.40
		High	2175.00	8.40
	256QAM	Low	2115.00	8.44
		Middle	2145.00	8.44
		High	2175.00	8.42
Port 11	QPSK	Low	2115.00	8.42
		Middle	2145.00	8.41
		High	2175.00	8.43
	16QAM	Low	2115.00	8.41
		Middle	2145.00	8.40
		High	2175.00	8.40
	64QAM	Low	2115.00	8.42
		Middle	2145.00	8.43
		High	2175.00	8.39
	256QAM	Low	2115.00	8.48
		Middle	2145.00	8.49
		High	2175.00	8.43

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 12	QPSK	Low	2115.00	8.35
		Middle	2145.00	8.43
		High	2175.00	8.37
	16QAM	Low	2115.00	8.49
		Middle	2145.00	8.48
		High	2175.00	8.41
	64QAM	Low	2115.00	8.38
		Middle	2145.00	8.44
		High	2175.00	8.34
	256QAM	Low	2115.00	8.48
		Middle	2145.00	8.47
		High	2175.00	8.45
Port 13	QPSK	Low	2115.00	8.42
		Middle	2145.00	8.44
		High	2175.00	8.44
	16QAM	Low	2115.00	8.44
		Middle	2145.00	8.45
		High	2175.00	8.49
	64QAM	Low	2115.00	8.42
		Middle	2145.00	8.41
		High	2175.00	8.39
	256QAM	Low	2115.00	8.45
		Middle	2145.00	8.43
		High	2175.00	8.48
Port 14	QPSK	Low	2115.00	8.40
		Middle	2145.00	8.43
		High	2175.00	8.41
	16QAM	Low	2115.00	8.52
		Middle	2145.00	8.41
		High	2175.00	8.40
	64QAM	Low	2115.00	8.35
		Middle	2145.00	8.33
		High	2175.00	8.35
	256QAM	Low	2115.00	8.43
		Middle	2145.00	8.45
		High	2175.00	8.46

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 15	QPSK	Low	2115.00	8.36
		Middle	2145.00	8.33
		High	2175.00	8.46
	16QAM	Low	2115.00	8.41
		Middle	2145.00	8.47
		High	2175.00	8.46
	64QAM	Low	2115.00	8.42
		Middle	2145.00	8.32
		High	2175.00	8.38
	256QAM	Low	2115.00	8.50
		Middle	2145.00	8.45
		High	2175.00	8.45
Port 16	QPSK	Low	2115.00	8.44
		Middle	2145.00	8.41
		High	2175.00	8.38
	16QAM	Low	2115.00	8.44
		Middle	2145.00	8.45
		High	2175.00	8.40
	64QAM	Low	2115.00	8.42
		Middle	2145.00	8.38
		High	2175.00	8.35
	256QAM	Low	2115.00	8.48
		Middle	2145.00	8.45
		High	2175.00	8.48

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Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 1	QPSK	Low	2117.50	8.26
		Middle	2145.00	8.29
		High	2172.50	8.28
	16QAM	Low	2117.50	8.29
		Middle	2145.00	8.29
		High	2172.50	8.29
	64QAM	Low	2117.50	8.22
		Middle	2145.00	8.20
		High	2172.50	8.25
	256QAM	Low	2117.50	8.29
		Middle	2145.00	8.27
		High	2172.50	8.22
Port 2	QPSK	Low	2117.50	8.23
		Middle	2145.00	8.31
		High	2172.50	8.31
	16QAM	Low	2117.50	8.29
		Middle	2145.00	8.32
		High	2172.50	8.30
	64QAM	Low	2117.50	8.22
		Middle	2145.00	8.24
		High	2172.50	8.19
	256QAM	Low	2117.50	8.22
		Middle	2145.00	8.25
		High	2172.50	8.23

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 3	QPSK	Low	2117.50	8.27
		Middle	2145.00	8.27
		High	2172.50	8.32
	16QAM	Low	2117.50	8.29
		Middle	2145.00	8.28
		High	2172.50	8.30
	64QAM	Low	2117.50	8.23
		Middle	2145.00	8.23
		High	2172.50	8.21
	256QAM	Low	2117.50	8.27
		Middle	2145.00	8.30
		High	2172.50	8.28
Port 4	QPSK	Low	2117.50	8.27
		Middle	2145.00	8.31
		High	2172.50	8.25
	16QAM	Low	2117.50	8.28
		Middle	2145.00	8.30
		High	2172.50	8.33
	64QAM	Low	2117.50	8.20
		Middle	2145.00	8.18
		High	2172.50	8.24
	256QAM	Low	2117.50	8.24
		Middle	2145.00	8.23
		High	2172.50	8.27
Port 5	QPSK	Low	2117.50	8.28
		Middle	2145.00	8.24
		High	2172.50	8.32
	16QAM	Low	2117.50	8.29
		Middle	2145.00	8.32
		High	2172.50	8.29
	64QAM	Low	2117.50	8.19
		Middle	2145.00	8.19
		High	2172.50	8.23
	256QAM	Low	2117.50	8.23
		Middle	2145.00	8.27
		High	2172.50	8.23

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 6	QPSK	Low	2117.50	8.32
		Middle	2145.00	8.32
		High	2172.50	8.26
	16QAM	Low	2117.50	8.31
		Middle	2145.00	8.30
		High	2172.50	8.30
	64QAM	Low	2117.50	8.20
		Middle	2145.00	8.22
		High	2172.50	8.19
	256QAM	Low	2117.50	8.27
		Middle	2145.00	8.26
		High	2172.50	8.27
Port 7	QPSK	Low	2117.50	8.27
		Middle	2145.00	8.31
		High	2172.50	8.28
	16QAM	Low	2117.50	8.31
		Middle	2145.00	8.30
		High	2172.50	8.29
	64QAM	Low	2117.50	8.22
		Middle	2145.00	8.23
		High	2172.50	8.20
	256QAM	Low	2117.50	8.24
		Middle	2145.00	8.23
		High	2172.50	8.23
Port 8	QPSK	Low	2117.50	8.26
		Middle	2145.00	8.31
		High	2172.50	8.29
	16QAM	Low	2117.50	8.30
		Middle	2145.00	8.29
		High	2172.50	8.29
	64QAM	Low	2117.50	8.21
		Middle	2145.00	8.20
		High	2172.50	8.19
	256QAM	Low	2117.50	8.29
		Middle	2145.00	8.28
		High	2172.50	8.26

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 9	QPSK	Low	2117.50	8.28
		Middle	2145.00	8.28
		High	2172.50	8.28
	16QAM	Low	2117.50	8.30
		Middle	2145.00	8.28
		High	2172.50	8.31
	64QAM	Low	2117.50	8.23
		Middle	2145.00	8.20
		High	2172.50	8.23
	256QAM	Low	2117.50	8.24
		Middle	2145.00	8.27
		High	2172.50	8.24
Port 10	QPSK	Low	2117.50	8.28
		Middle	2145.00	8.31
		High	2172.50	8.32
	16QAM	Low	2117.50	8.27
		Middle	2145.00	8.30
		High	2172.50	8.26
	64QAM	Low	2117.50	8.24
		Middle	2145.00	8.20
		High	2172.50	8.20
	256QAM	Low	2117.50	8.26
		Middle	2145.00	8.25
		High	2172.50	8.25
Port 11	QPSK	Low	2117.50	8.30
		Middle	2145.00	8.29
		High	2172.50	8.30
	16QAM	Low	2117.50	8.27
		Middle	2145.00	8.31
		High	2172.50	8.31
	64QAM	Low	2117.50	8.22
		Middle	2145.00	8.23
		High	2172.50	8.27
	256QAM	Low	2117.50	8.26
		Middle	2145.00	8.26
		High	2172.50	8.26

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 12	QPSK	Low	2117.50	8.31
		Middle	2145.00	8.27
		High	2172.50	8.29
	16QAM	Low	2117.50	8.31
		Middle	2145.00	8.30
		High	2172.50	8.29
	64QAM	Low	2117.50	8.19
		Middle	2145.00	8.20
		High	2172.50	8.20
	256QAM	Low	2117.50	8.22
		Middle	2145.00	8.25
		High	2172.50	8.24
Port 13	QPSK	Low	2117.50	8.28
		Middle	2145.00	8.27
		High	2172.50	8.29
	16QAM	Low	2117.50	8.30
		Middle	2145.00	8.30
		High	2172.50	8.33
	64QAM	Low	2117.50	8.18
		Middle	2145.00	8.24
		High	2172.50	8.24
	256QAM	Low	2117.50	8.26
		Middle	2145.00	8.23
		High	2172.50	8.25
Port 14	QPSK	Low	2117.50	8.28
		Middle	2145.00	8.28
		High	2172.50	8.28
	16QAM	Low	2117.50	8.31
		Middle	2145.00	8.29
		High	2172.50	8.33
	64QAM	Low	2117.50	8.21
		Middle	2145.00	8.19
		High	2172.50	8.19
	256QAM	Low	2117.50	8.27
		Middle	2145.00	8.27
		High	2172.50	8.26

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 15	QPSK	Low	2117.50	8.27
		Middle	2145.00	8.30
		High	2172.50	8.28
	16QAM	Low	2117.50	8.30
		Middle	2145.00	8.29
		High	2172.50	8.28
	64QAM	Low	2117.50	8.21
		Middle	2145.00	8.22
		High	2172.50	8.19
	256QAM	Low	2117.50	8.25
		Middle	2145.00	8.27
		High	2172.50	8.27
Port 16	QPSK	Low	2117.50	8.28
		Middle	2145.00	8.30
		High	2172.50	8.30
	16QAM	Low	2117.50	8.30
		Middle	2145.00	8.30
		High	2172.50	8.31
	64QAM	Low	2117.50	8.19
		Middle	2145.00	8.18
		High	2172.50	8.21
	256QAM	Low	2117.50	8.24
		Middle	2145.00	8.26
		High	2172.50	8.27

LTE Band 66 20 MHz 1 Carrier

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 1	QPSK	Low	2120.00	7.68
		Middle	2145.00	7.68
		High	2170.00	7.67
	16QAM	Low	2120.00	7.68
		Middle	2145.00	7.67
		High	2170.00	7.66
	64QAM	Low	2120.00	7.63
		Middle	2145.00	7.61
		High	2170.00	7.61
	256QAM	Low	2120.00	7.67
		Middle	2145.00	7.68
		High	2170.00	7.68
Port 2	QPSK	Low	2120.00	7.66
		Middle	2145.00	7.66
		High	2170.00	7.67
	16QAM	Low	2120.00	7.70
		Middle	2145.00	7.68
		High	2170.00	7.65
	64QAM	Low	2120.00	7.63
		Middle	2145.00	7.62
		High	2170.00	7.61
	256QAM	Low	2120.00	7.70
		Middle	2145.00	7.68
		High	2170.00	7.69

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 3	QPSK	Low	2120.00	7.68
		Middle	2145.00	7.65
		High	2170.00	7.66
	16QAM	Low	2120.00	7.69
		Middle	2145.00	7.66
		High	2170.00	7.68
	64QAM	Low	2120.00	7.62
		Middle	2145.00	7.62
		High	2170.00	7.60
	256QAM	Low	2120.00	7.69
		Middle	2145.00	7.64
		High	2170.00	7.67
Port 4	QPSK	Low	2120.00	7.67
		Middle	2145.00	7.65
		High	2170.00	7.67
	16QAM	Low	2120.00	7.68
		Middle	2145.00	7.64
		High	2170.00	7.66
	64QAM	Low	2120.00	7.62
		Middle	2145.00	7.62
		High	2170.00	7.62
	256QAM	Low	2120.00	7.71
		Middle	2145.00	7.69
		High	2170.00	7.70
Port 5	QPSK	Low	2120.00	7.67
		Middle	2145.00	7.65
		High	2170.00	7.67
	16QAM	Low	2120.00	7.68
		Middle	2145.00	7.66
		High	2170.00	7.67
	64QAM	Low	2120.00	7.62
		Middle	2145.00	7.62
		High	2170.00	7.61
	256QAM	Low	2120.00	7.69
		Middle	2145.00	7.67
		High	2170.00	7.67

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 6	QPSK	Low	2120.00	7.67
		Middle	2145.00	7.66
		High	2170.00	7.68
	16QAM	Low	2120.00	7.68
		Middle	2145.00	7.67
		High	2170.00	7.67
	64QAM	Low	2120.00	7.62
		Middle	2145.00	7.62
		High	2170.00	7.60
	256QAM	Low	2120.00	7.70
		Middle	2145.00	7.69
		High	2170.00	7.69
Port 7	QPSK	Low	2120.00	7.68
		Middle	2145.00	7.67
		High	2170.00	7.67
	16QAM	Low	2120.00	7.67
		Middle	2145.00	7.67
		High	2170.00	7.66
	64QAM	Low	2120.00	7.63
		Middle	2145.00	7.60
		High	2170.00	7.61
	256QAM	Low	2120.00	7.69
		Middle	2145.00	7.68
		High	2170.00	7.67
Port 8	QPSK	Low	2120.00	7.68
		Middle	2145.00	7.66
		High	2170.00	7.68
	16QAM	Low	2120.00	7.67
		Middle	2145.00	7.67
		High	2170.00	7.65
	64QAM	Low	2120.00	7.61
		Middle	2145.00	7.62
		High	2170.00	7.63
	256QAM	Low	2120.00	7.68
		Middle	2145.00	7.70
		High	2170.00	7.68

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 9	QPSK	Low	2120.00	7.68
		Middle	2145.00	7.67
		High	2170.00	7.67
	16QAM	Low	2120.00	7.68
		Middle	2145.00	7.67
		High	2170.00	7.67
	64QAM	Low	2120.00	7.63
		Middle	2145.00	7.62
		High	2170.00	7.60
	256QAM	Low	2120.00	7.69
		Middle	2145.00	7.69
		High	2170.00	7.69
Port 10	QPSK	Low	2120.00	7.68
		Middle	2145.00	7.68
		High	2170.00	7.68
	16QAM	Low	2120.00	7.69
		Middle	2145.00	7.68
		High	2170.00	7.67
	64QAM	Low	2120.00	7.63
		Middle	2145.00	7.62
		High	2170.00	7.63
	256QAM	Low	2120.00	7.69
		Middle	2145.00	7.68
		High	2170.00	7.68
Port 11	QPSK	Low	2120.00	7.70
		Middle	2145.00	7.68
		High	2170.00	7.67
	16QAM	Low	2120.00	7.70
		Middle	2145.00	7.68
		High	2170.00	7.67
	64QAM	Low	2120.00	7.64
		Middle	2145.00	7.62
		High	2170.00	7.63
	256QAM	Low	2120.00	7.67
		Middle	2145.00	7.68
		High	2170.00	7.69

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 12	QPSK	Low	2120.00	7.66
		Middle	2145.00	7.67
		High	2170.00	7.66
	16QAM	Low	2120.00	7.68
		Middle	2145.00	7.69
		High	2170.00	7.68
	64QAM	Low	2120.00	7.61
		Middle	2145.00	7.62
		High	2170.00	7.61
	256QAM	Low	2120.00	7.68
		Middle	2145.00	7.68
		High	2170.00	7.69
Port 13	QPSK	Low	2120.00	7.66
		Middle	2145.00	7.68
		High	2170.00	7.67
	16QAM	Low	2120.00	7.68
		Middle	2145.00	7.68
		High	2170.00	7.68
	64QAM	Low	2120.00	7.62
		Middle	2145.00	7.63
		High	2170.00	7.61
	256QAM	Low	2120.00	7.69
		Middle	2145.00	7.69
		High	2170.00	7.67
Port 14	QPSK	Low	2120.00	7.69
		Middle	2145.00	7.68
		High	2170.00	7.67
	16QAM	Low	2120.00	7.69
		Middle	2145.00	7.68
		High	2170.00	7.69
	64QAM	Low	2120.00	7.66
		Middle	2145.00	7.62
		High	2170.00	7.60
	256QAM	Low	2120.00	7.69
		Middle	2145.00	7.69
		High	2170.00	7.67

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 15	QPSK	Low	2120.00	7.67
		Middle	2145.00	7.67
		High	2170.00	7.68
	16QAM	Low	2120.00	7.67
		Middle	2145.00	7.68
		High	2170.00	7.68
	64QAM	Low	2120.00	7.64
		Middle	2145.00	7.62
		High	2170.00	7.63
	256QAM	Low	2120.00	7.70
		Middle	2145.00	7.67
		High	2170.00	7.69
Port 16	QPSK	Low	2120.00	7.68
		Middle	2145.00	7.68
		High	2170.00	7.68
	16QAM	Low	2120.00	7.69
		Middle	2145.00	7.68
		High	2170.00	7.65
	64QAM	Low	2120.00	7.62
		Middle	2145.00	7.62
		High	2170.00	7.61
	256QAM	Low	2120.00	7.70
		Middle	2145.00	7.67
		High	2170.00	7.68

Tabular Data of RF Contiguous PAPR

LTE Band 25 5 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier [2 Carrier]

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 1	QPSK	Low	1940.00	7.98
		Middle	1962.50	7.95
		High	1985.00	8.02
	16QAM	Low	1940.00	8.01
		Middle	1962.50	7.91
		High	1985.00	7.96
	64QAM	Low	1940.00	7.99
		Middle	1962.50	7.93
		High	1985.00	8.00
	256QAM	Low	1940.00	8.01
		Middle	1962.50	7.95
		High	1985.00	7.99
Port 2	QPSK	Low	1940.00	8.00
		Middle	1962.50	7.93
		High	1985.00	7.98
	16QAM	Low	1940.00	8.00
		Middle	1962.50	7.89
		High	1985.00	7.98
	64QAM	Low	1940.00	7.99
		Middle	1962.50	7.93
		High	1985.00	7.96
	256QAM	Low	1940.00	8.00
		Middle	1962.50	7.94
		High	1985.00	7.98

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 3	QPSK	Low	1940.00	7.98
		Middle	1962.50	7.93
		High	1985.00	7.95
	16QAM	Low	1940.00	7.98
		Middle	1962.50	7.90
		High	1985.00	7.99
	64QAM	Low	1940.00	7.99
		Middle	1962.50	7.94
		High	1985.00	7.95
	256QAM	Low	1940.00	7.99
		Middle	1962.50	7.93
		High	1985.00	7.95
Port 4	QPSK	Low	1940.00	8.01
		Middle	1962.50	7.91
		High	1985.00	7.99
	16QAM	Low	1940.00	8.01
		Middle	1962.50	7.87
		High	1985.00	7.95
	64QAM	Low	1940.00	8.01
		Middle	1962.50	7.89
		High	1985.00	7.97
	256QAM	Low	1940.00	7.98
		Middle	1962.50	7.90
		High	1985.00	7.97
Port 5	QPSK	Low	1940.00	8.02
		Middle	1962.50	7.92
		High	1985.00	7.98
	16QAM	Low	1940.00	7.98
		Middle	1962.50	7.90
		High	1985.00	7.96
	64QAM	Low	1940.00	7.99
		Middle	1962.50	7.89
		High	1985.00	7.99
	256QAM	Low	1940.00	7.99
		Middle	1962.50	7.91
		High	1985.00	7.98

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 6	QPSK	Low	1940.00	8.02
		Middle	1962.50	7.92
		High	1985.00	7.97
	16QAM	Low	1940.00	8.00
		Middle	1962.50	7.87
		High	1985.00	7.93
	64QAM	Low	1940.00	8.04
		Middle	1962.50	7.91
		High	1985.00	7.97
	256QAM	Low	1940.00	8.05
		Middle	1962.50	7.94
		High	1985.00	7.95
Port 7	QPSK	Low	1940.00	8.00
		Middle	1962.50	7.91
		High	1985.00	7.99
	16QAM	Low	1940.00	8.01
		Middle	1962.50	7.88
		High	1985.00	7.91
	64QAM	Low	1940.00	8.00
		Middle	1962.50	7.92
		High	1985.00	7.99
	256QAM	Low	1940.00	8.01
		Middle	1962.50	7.92
		High	1985.00	7.98
Port 8	QPSK	Low	1940.00	8.03
		Middle	1962.50	7.93
		High	1985.00	8.00
	16QAM	Low	1940.00	7.99
		Middle	1962.50	7.89
		High	1985.00	7.95
	64QAM	Low	1940.00	8.01
		Middle	1962.50	7.93
		High	1985.00	7.99
	256QAM	Low	1940.00	8.00
		Middle	1962.50	7.91
		High	1985.00	7.99

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 9	QPSK	Low	1940.00	8.02
		Middle	1962.50	7.94
		High	1985.00	7.97
	16QAM	Low	1940.00	7.96
		Middle	1962.50	7.91
		High	1985.00	7.96
	64QAM	Low	1940.00	7.99
		Middle	1962.50	7.94
		High	1985.00	7.95
	256QAM	Low	1940.00	8.01
		Middle	1962.50	7.95
		High	1985.00	7.98
Port 10	QPSK	Low	1940.00	8.00
		Middle	1962.50	7.93
		High	1985.00	7.95
	16QAM	Low	1940.00	8.01
		Middle	1962.50	7.90
		High	1985.00	7.95
	64QAM	Low	1940.00	8.02
		Middle	1962.50	7.92
		High	1985.00	7.95
	256QAM	Low	1940.00	8.01
		Middle	1962.50	7.92
		High	1985.00	7.94
Port 11	QPSK	Low	1940.00	7.97
		Middle	1962.50	7.91
		High	1985.00	7.97
	16QAM	Low	1940.00	8.00
		Middle	1962.50	7.88
		High	1985.00	7.94
	64QAM	Low	1940.00	7.97
		Middle	1962.50	7.93
		High	1985.00	7.98
	256QAM	Low	1940.00	7.99
		Middle	1962.50	7.93
		High	1985.00	7.95

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 12	QPSK	Low	1940.00	8.03
		Middle	1962.50	7.92
		High	1985.00	7.99
	16QAM	Low	1940.00	7.96
		Middle	1962.50	7.91
		High	1985.00	7.96
	64QAM	Low	1940.00	8.02
		Middle	1962.50	7.92
		High	1985.00	7.98
	256QAM	Low	1940.00	8.00
		Middle	1962.50	7.93
		High	1985.00	7.99
Port 13	QPSK	Low	1940.00	8.00
		Middle	1962.50	7.94
		High	1985.00	7.97
	16QAM	Low	1940.00	8.00
		Middle	1962.50	7.88
		High	1985.00	7.96
	64QAM	Low	1940.00	8.00
		Middle	1962.50	7.94
		High	1985.00	7.98
	256QAM	Low	1940.00	8.01
		Middle	1962.50	7.93
		High	1985.00	7.97
Port 14	QPSK	Low	1940.00	7.97
		Middle	1962.50	7.92
		High	1985.00	7.95
	16QAM	Low	1940.00	7.98
		Middle	1962.50	7.87
		High	1985.00	7.93
	64QAM	Low	1940.00	7.98
		Middle	1962.50	7.91
		High	1985.00	7.96
	256QAM	Low	1940.00	7.99
		Middle	1962.50	7.93
		High	1985.00	7.96

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 15	QPSK	Low	1940.00	8.02
		Middle	1962.50	7.93
		High	1985.00	8.00
	16QAM	Low	1940.00	8.02
		Middle	1962.50	7.91
		High	1985.00	7.94
	64QAM	Low	1940.00	8.01
		Middle	1962.50	7.93
		High	1985.00	7.99
	256QAM	Low	1940.00	8.02
		Middle	1962.50	7.93
		High	1985.00	7.99
Port 16	QPSK	Low	1940.00	7.98
		Middle	1962.50	7.92
		High	1985.00	7.98
	16QAM	Low	1940.00	7.98
		Middle	1962.50	7.90
		High	1985.00	7.96
	64QAM	Low	1940.00	7.98
		Middle	1962.50	7.92
		High	1985.00	7.97
	256QAM	Low	1940.00	7.97
		Middle	1962.50	7.92
		High	1985.00	7.97

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier [2 Carrier]

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 1	QPSK	Low	2125.00	7.98
		Middle	2145.00	7.73
		High	2165.00	7.77
	16QAM	Low	2125.00	7.95
		Middle	2145.00	7.72
		High	2165.00	7.77
	64QAM	Low	2125.00	7.95
		Middle	2145.00	7.73
		High	2165.00	7.77
	256QAM	Low	2125.00	7.97
		Middle	2145.00	7.69
		High	2165.00	7.76
Port 2	QPSK	Low	2125.00	8.01
		Middle	2145.00	7.72
		High	2165.00	7.72
	16QAM	Low	2125.00	8.02
		Middle	2145.00	7.76
		High	2165.00	7.69
	64QAM	Low	2125.00	7.99
		Middle	2145.00	7.72
		High	2165.00	7.74
	256QAM	Low	2125.00	7.99
		Middle	2145.00	7.71
		High	2165.00	7.73

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 3	QPSK	Low	2125.00	7.98
		Middle	2145.00	7.68
		High	2165.00	7.75
	16QAM	Low	2125.00	7.97
		Middle	2145.00	7.72
		High	2165.00	7.75
	64QAM	Low	2125.00	8.00
		Middle	2145.00	7.70
		High	2165.00	7.75
	256QAM	Low	2125.00	7.97
		Middle	2145.00	7.68
		High	2165.00	7.75
Port 4	QPSK	Low	2125.00	7.94
		Middle	2145.00	7.70
		High	2165.00	7.75
	16QAM	Low	2125.00	7.94
		Middle	2145.00	7.70
		High	2165.00	7.75
	64QAM	Low	2125.00	7.96
		Middle	2145.00	7.69
		High	2165.00	7.74
	256QAM	Low	2125.00	7.94
		Middle	2145.00	7.71
		High	2165.00	7.75
Port 5	QPSK	Low	2125.00	7.95
		Middle	2145.00	7.73
		High	2165.00	7.73
	16QAM	Low	2125.00	7.97
		Middle	2145.00	7.75
		High	2165.00	7.74
	64QAM	Low	2125.00	7.97
		Middle	2145.00	7.74
		High	2165.00	7.73
	256QAM	Low	2125.00	7.95
		Middle	2145.00	7.74
		High	2165.00	7.73

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 6	QPSK	Low	2125.00	7.96
		Middle	2145.00	7.69
		High	2165.00	7.77
	16QAM	Low	2125.00	7.98
		Middle	2145.00	7.68
		High	2165.00	7.77
	64QAM	Low	2125.00	7.97
		Middle	2145.00	7.69
		High	2165.00	7.77
	256QAM	Low	2125.00	7.97
		Middle	2145.00	7.69
		High	2165.00	7.76
Port 7	QPSK	Low	2125.00	7.96
		Middle	2145.00	7.72
		High	2165.00	7.77
	16QAM	Low	2125.00	7.96
		Middle	2145.00	7.72
		High	2165.00	7.75
	64QAM	Low	2125.00	7.96
		Middle	2145.00	7.73
		High	2165.00	7.76
	256QAM	Low	2125.00	7.96
		Middle	2145.00	7.72
		High	2165.00	7.76
Port 8	QPSK	Low	2125.00	7.96
		Middle	2145.00	7.73
		High	2165.00	7.77
	16QAM	Low	2125.00	7.98
		Middle	2145.00	7.72
		High	2165.00	7.75
	64QAM	Low	2125.00	8.00
		Middle	2145.00	7.73
		High	2165.00	7.79
	256QAM	Low	2125.00	7.98
		Middle	2145.00	7.73
		High	2165.00	7.76

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 9	QPSK	Low	2125.00	7.99
		Middle	2145.00	7.73
		High	2165.00	7.74
	16QAM	Low	2125.00	7.96
		Middle	2145.00	7.73
		High	2165.00	7.76
	64QAM	Low	2125.00	8.03
		Middle	2145.00	7.74
		High	2165.00	7.76
	256QAM	Low	2125.00	8.00
		Middle	2145.00	7.74
		High	2165.00	7.76
Port 10	QPSK	Low	2125.00	7.96
		Middle	2145.00	7.70
		High	2165.00	7.75
	16QAM	Low	2125.00	7.97
		Middle	2145.00	7.70
		High	2165.00	7.73
	64QAM	Low	2125.00	7.99
		Middle	2145.00	7.72
		High	2165.00	7.74
	256QAM	Low	2125.00	7.98
		Middle	2145.00	7.69
		High	2165.00	7.74
Port 11	QPSK	Low	2125.00	8.03
		Middle	2145.00	7.72
		High	2165.00	7.78
	16QAM	Low	2125.00	7.94
		Middle	2145.00	7.72
		High	2165.00	7.74
	64QAM	Low	2125.00	8.00
		Middle	2145.00	7.73
		High	2165.00	7.77
	256QAM	Low	2125.00	8.03
		Middle	2145.00	7.72
		High	2165.00	7.76

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 12	QPSK	Low	2125.00	7.98
		Middle	2145.00	7.72
		High	2165.00	7.77
	16QAM	Low	2125.00	7.96
		Middle	2145.00	7.73
		High	2165.00	7.75
	64QAM	Low	2125.00	7.98
		Middle	2145.00	7.72
		High	2165.00	7.77
	256QAM	Low	2125.00	7.98
		Middle	2145.00	7.72
		High	2165.00	7.77
Port 13	QPSK	Low	2125.00	7.98
		Middle	2145.00	7.73
		High	2165.00	7.73
	16QAM	Low	2125.00	8.00
		Middle	2145.00	7.71
		High	2165.00	7.74
	64QAM	Low	2125.00	7.96
		Middle	2145.00	7.73
		High	2165.00	7.73
	256QAM	Low	2125.00	7.97
		Middle	2145.00	7.72
		High	2165.00	7.74
Port 14	QPSK	Low	2125.00	8.03
		Middle	2145.00	7.72
		High	2165.00	7.75
	16QAM	Low	2125.00	7.97
		Middle	2145.00	7.73
		High	2165.00	7.76
	64QAM	Low	2125.00	8.02
		Middle	2145.00	7.74
		High	2165.00	7.77
	256QAM	Low	2125.00	8.01
		Middle	2145.00	7.74
		High	2165.00	7.76

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 15	QPSK	Low	2125.00	7.99
		Middle	2145.00	7.70
		High	2165.00	7.74
	16QAM	Low	2125.00	8.00
		Middle	2145.00	7.70
		High	2165.00	7.74
	64QAM	Low	2125.00	8.01
		Middle	2145.00	7.69
		High	2165.00	7.73
	256QAM	Low	2125.00	8.01
		Middle	2145.00	7.69
		High	2165.00	7.74
Port 16	QPSK	Low	2125.00	8.00
		Middle	2145.00	7.68
		High	2165.00	7.76
	16QAM	Low	2125.00	8.01
		Middle	2145.00	7.69
		High	2165.00	7.74
	64QAM	Low	2125.00	7.98
		Middle	2145.00	7.69
		High	2165.00	7.75
	256QAM	Low	2125.00	7.98
		Middle	2145.00	7.69
		High	2165.00	7.75

LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier [3 Carrier]

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 1	QPSK	Low	1942.50	8.25
		Middle	1962.50	8.27
		High	1982.50	8.27
	16QAM	Low	1942.50	8.23
		Middle	1962.50	8.19
		High	1982.50	8.23
	64QAM	Low	1942.50	8.25
		Middle	1962.50	8.25
		High	1982.50	8.26
	256QAM	Low	1942.50	8.26
		Middle	1962.50	8.25
		High	1982.50	8.27
Port 2	QPSK	Low	1942.50	8.22
		Middle	1962.50	8.27
		High	1982.50	8.27
	16QAM	Low	1942.50	8.21
		Middle	1962.50	8.24
		High	1982.50	8.22
	64QAM	Low	1942.50	8.23
		Middle	1962.50	8.27
		High	1982.50	8.26
	256QAM	Low	1942.50	8.22
		Middle	1962.50	8.24
		High	1982.50	8.29

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 3	QPSK	Low	1942.50	8.21
		Middle	1962.50	8.25
		High	1982.50	8.24
	16QAM	Low	1942.50	8.21
		Middle	1962.50	8.22
		High	1982.50	8.22
	64QAM	Low	1942.50	8.24
		Middle	1962.50	8.28
		High	1982.50	8.24
	256QAM	Low	1942.50	8.22
		Middle	1962.50	8.30
		High	1982.50	8.27
Port 4	QPSK	Low	1942.50	8.25
		Middle	1962.50	8.23
		High	1982.50	8.28
	16QAM	Low	1942.50	8.25
		Middle	1962.50	8.23
		High	1982.50	8.21
	64QAM	Low	1942.50	8.26
		Middle	1962.50	8.24
		High	1982.50	8.26
	256QAM	Low	1942.50	8.23
		Middle	1962.50	8.24
		High	1982.50	8.24
Port 5	QPSK	Low	1942.50	8.23
		Middle	1962.50	8.22
		High	1982.50	8.28
	16QAM	Low	1942.50	8.20
		Middle	1962.50	8.21
		High	1982.50	8.25
	64QAM	Low	1942.50	8.25
		Middle	1962.50	8.24
		High	1982.50	8.26
	256QAM	Low	1942.50	8.23
		Middle	1962.50	8.25
		High	1982.50	8.29

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 6	QPSK	Low	1942.50	8.21
		Middle	1962.50	8.23
		High	1982.50	8.26
	16QAM	Low	1942.50	8.22
		Middle	1962.50	8.22
		High	1982.50	8.22
	64QAM	Low	1942.50	8.23
		Middle	1962.50	8.23
		High	1982.50	8.26
	256QAM	Low	1942.50	8.21
		Middle	1962.50	8.23
		High	1982.50	8.27
Port 7	QPSK	Low	1942.50	8.23
		Middle	1962.50	8.25
		High	1982.50	8.23
	16QAM	Low	1942.50	8.25
		Middle	1962.50	8.20
		High	1982.50	8.21
	64QAM	Low	1942.50	8.25
		Middle	1962.50	8.24
		High	1982.50	8.26
	256QAM	Low	1942.50	8.26
		Middle	1962.50	8.26
		High	1982.50	8.27
Port 8	QPSK	Low	1942.50	8.22
		Middle	1962.50	8.23
		High	1982.50	8.25
	16QAM	Low	1942.50	8.20
		Middle	1962.50	8.21
		High	1982.50	8.27
	64QAM	Low	1942.50	8.20
		Middle	1962.50	8.24
		High	1982.50	8.26
	256QAM	Low	1942.50	8.22
		Middle	1962.50	8.21
		High	1982.50	8.26

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 9	QPSK	Low	1942.50	8.23
		Middle	1962.50	8.23
		High	1982.50	8.25
	16QAM	Low	1942.50	8.23
		Middle	1962.50	8.20
		High	1982.50	8.20
	64QAM	Low	1942.50	8.23
		Middle	1962.50	8.26
		High	1982.50	8.27
	256QAM	Low	1942.50	8.25
		Middle	1962.50	8.26
		High	1982.50	8.26
Port 10	QPSK	Low	1942.50	8.24
		Middle	1962.50	8.26
		High	1982.50	8.25
	16QAM	Low	1942.50	8.24
		Middle	1962.50	8.18
		High	1982.50	8.21
	64QAM	Low	1942.50	8.25
		Middle	1962.50	8.25
		High	1982.50	8.26
	256QAM	Low	1942.50	8.23
		Middle	1962.50	8.26
		High	1982.50	8.26
Port 11	QPSK	Low	1942.50	8.22
		Middle	1962.50	8.24
		High	1982.50	8.26
	16QAM	Low	1942.50	8.24
		Middle	1962.50	8.22
		High	1982.50	8.22
	64QAM	Low	1942.50	8.22
		Middle	1962.50	8.23
		High	1982.50	8.26
	256QAM	Low	1942.50	8.25
		Middle	1962.50	8.23
		High	1982.50	8.24

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 12	QPSK	Low	1942.50	8.21
		Middle	1962.50	8.25
		High	1982.50	8.26
	16QAM	Low	1942.50	8.21
		Middle	1962.50	8.20
		High	1982.50	8.24
	64QAM	Low	1942.50	8.23
		Middle	1962.50	8.24
		High	1982.50	8.25
	256QAM	Low	1942.50	8.23
		Middle	1962.50	8.23
		High	1982.50	8.27
Port 13	QPSK	Low	1942.50	8.25
		Middle	1962.50	8.23
		High	1982.50	8.22
	16QAM	Low	1942.50	8.25
		Middle	1962.50	8.18
		High	1982.50	8.19
	64QAM	Low	1942.50	8.25
		Middle	1962.50	8.23
		High	1982.50	8.23
	256QAM	Low	1942.50	8.27
		Middle	1962.50	8.27
		High	1982.50	8.22
Port 14	QPSK	Low	1942.50	8.23
		Middle	1962.50	8.23
		High	1982.50	8.23
	16QAM	Low	1942.50	8.24
		Middle	1962.50	8.19
		High	1982.50	8.22
	64QAM	Low	1942.50	8.24
		Middle	1962.50	8.25
		High	1982.50	8.27
	256QAM	Low	1942.50	8.22
		Middle	1962.50	8.22
		High	1982.50	8.26

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 15	QPSK	Low	1942.50	8.20
		Middle	1962.50	8.23
		High	1982.50	8.25
	16QAM	Low	1942.50	8.22
		Middle	1962.50	8.23
		High	1982.50	8.25
	64QAM	Low	1942.50	8.23
		Middle	1962.50	8.22
		High	1982.50	8.24
	256QAM	Low	1942.50	8.21
		Middle	1962.50	8.25
		High	1982.50	8.27
Port 16	QPSK	Low	1942.50	8.21
		Middle	1962.50	8.24
		High	1982.50	8.27
	16QAM	Low	1942.50	8.26
		Middle	1962.50	8.21
		High	1982.50	8.23
	64QAM	Low	1942.50	8.21
		Middle	1962.50	8.27
		High	1982.50	8.28
	256QAM	Low	1942.50	8.21
		Middle	1962.50	8.25
		High	1982.50	8.27

LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier [3 Carrier]

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 1	QPSK	Low	1945.00	8.23
		Middle	1962.50	8.23
		High	1980.00	8.26
	16QAM	Low	1945.00	8.28
		Middle	1962.50	8.21
		High	1980.00	8.41
	64QAM	Low	1945.00	8.39
		Middle	1962.50	8.20
		High	1980.00	8.22
	256QAM	Low	1945.00	8.29
		Middle	1962.50	8.21
		High	1980.00	8.41
Port 2	QPSK	Low	1945.00	8.22
		Middle	1962.50	8.19
		High	1980.00	8.27
	16QAM	Low	1945.00	8.21
		Middle	1962.50	8.19
		High	1980.00	8.34
	64QAM	Low	1945.00	8.37
		Middle	1962.50	8.20
		High	1980.00	8.18
	256QAM	Low	1945.00	8.23
		Middle	1962.50	8.23
		High	1980.00	8.40

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 3	QPSK	Low	1945.00	8.22
		Middle	1962.50	8.22
		High	1980.00	8.22
	16QAM	Low	1945.00	8.21
		Middle	1962.50	8.17
		High	1980.00	8.40
	64QAM	Low	1945.00	8.31
		Middle	1962.50	8.14
		High	1980.00	8.16
	256QAM	Low	1945.00	8.25
		Middle	1962.50	8.21
		High	1980.00	8.46
Port 4	QPSK	Low	1945.00	8.21
		Middle	1962.50	8.18
		High	1980.00	8.22
	16QAM	Low	1945.00	8.20
		Middle	1962.50	8.17
		High	1980.00	8.42
	64QAM	Low	1945.00	8.33
		Middle	1962.50	8.18
		High	1980.00	8.20
	256QAM	Low	1945.00	8.28
		Middle	1962.50	8.19
		High	1980.00	8.41
Port 5	QPSK	Low	1945.00	8.26
		Middle	1962.50	8.20
		High	1980.00	8.24
	16QAM	Low	1945.00	8.28
		Middle	1962.50	8.20
		High	1980.00	8.38
	64QAM	Low	1945.00	8.35
		Middle	1962.50	8.18
		High	1980.00	8.17
	256QAM	Low	1945.00	8.26
		Middle	1962.50	8.24
		High	1980.00	8.40

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 6	QPSK	Low	1945.00	8.25
		Middle	1962.50	8.18
		High	1980.00	8.21
	16QAM	Low	1945.00	8.27
		Middle	1962.50	8.13
		High	1980.00	8.40
	64QAM	Low	1945.00	8.33
		Middle	1962.50	8.15
		High	1980.00	8.16
	256QAM	Low	1945.00	8.25
		Middle	1962.50	8.17
		High	1980.00	8.46
Port 7	QPSK	Low	1945.00	8.24
		Middle	1962.50	8.20
		High	1980.00	8.20
	16QAM	Low	1945.00	8.23
		Middle	1962.50	8.18
		High	1980.00	8.37
	64QAM	Low	1945.00	8.39
		Middle	1962.50	8.18
		High	1980.00	8.20
	256QAM	Low	1945.00	8.30
		Middle	1962.50	8.21
		High	1980.00	8.40
Port 8	QPSK	Low	1945.00	8.23
		Middle	1962.50	8.18
		High	1980.00	8.19
	16QAM	Low	1945.00	8.27
		Middle	1962.50	8.15
		High	1980.00	8.40
	64QAM	Low	1945.00	8.37
		Middle	1962.50	8.15
		High	1980.00	8.20
	256QAM	Low	1945.00	8.22
		Middle	1962.50	8.18
		High	1980.00	8.43

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 9	QPSK	Low	1945.00	8.26
		Middle	1962.50	8.21
		High	1980.00	8.24
	16QAM	Low	1945.00	8.22
		Middle	1962.50	8.21
		High	1980.00	8.42
	64QAM	Low	1945.00	8.37
		Middle	1962.50	8.16
		High	1980.00	8.18
	256QAM	Low	1945.00	8.32
		Middle	1962.50	8.19
		High	1980.00	8.41
Port 10	QPSK	Low	1945.00	8.28
		Middle	1962.50	8.21
		High	1980.00	8.21
	16QAM	Low	1945.00	8.29
		Middle	1962.50	8.16
		High	1980.00	8.42
	64QAM	Low	1945.00	8.33
		Middle	1962.50	8.17
		High	1980.00	8.17
	256QAM	Low	1945.00	8.28
		Middle	1962.50	8.21
		High	1980.00	8.41
Port 11	QPSK	Low	1945.00	8.17
		Middle	1962.50	8.18
		High	1980.00	8.22
	16QAM	Low	1945.00	8.21
		Middle	1962.50	8.18
		High	1980.00	8.41
	64QAM	Low	1945.00	8.36
		Middle	1962.50	8.15
		High	1980.00	8.22
	256QAM	Low	1945.00	8.26
		Middle	1962.50	8.21
		High	1980.00	8.40

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 12	QPSK	Low	1945.00	8.21
		Middle	1962.50	8.22
		High	1980.00	8.19
	16QAM	Low	1945.00	8.25
		Middle	1962.50	8.15
		High	1980.00	8.42
	64QAM	Low	1945.00	8.29
		Middle	1962.50	8.15
		High	1980.00	8.16
	256QAM	Low	1945.00	8.25
		Middle	1962.50	8.20
		High	1980.00	8.41
Port 13	QPSK	Low	1945.00	8.24
		Middle	1962.50	8.21
		High	1980.00	8.22
	16QAM	Low	1945.00	8.27
		Middle	1962.50	8.18
		High	1980.00	8.38
	64QAM	Low	1945.00	8.37
		Middle	1962.50	8.13
		High	1980.00	8.19
	256QAM	Low	1945.00	8.27
		Middle	1962.50	8.20
		High	1980.00	8.39
Port 14	QPSK	Low	1945.00	8.22
		Middle	1962.50	8.20
		High	1980.00	8.20
	16QAM	Low	1945.00	8.27
		Middle	1962.50	8.16
		High	1980.00	8.41
	64QAM	Low	1945.00	8.37
		Middle	1962.50	8.16
		High	1980.00	8.15
	256QAM	Low	1945.00	8.28
		Middle	1962.50	8.20
		High	1980.00	8.42

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 15	QPSK	Low	1945.00	8.31
		Middle	1962.50	8.18
		High	1980.00	8.18
	16QAM	Low	1945.00	8.26
		Middle	1962.50	8.20
		High	1980.00	8.42
	64QAM	Low	1945.00	8.31
		Middle	1962.50	8.13
		High	1980.00	8.20
	256QAM	Low	1945.00	8.25
		Middle	1962.50	8.22
		High	1980.00	8.42
Port 16	QPSK	Low	1945.00	8.26
		Middle	1962.50	8.20
		High	1980.00	8.25
	16QAM	Low	1945.00	8.21
		Middle	1962.50	8.13
		High	1980.00	8.41
	64QAM	Low	1945.00	8.35
		Middle	1962.50	8.15
		High	1980.00	8.13
	256QAM	Low	1945.00	8.25
		Middle	1962.50	8.21
		High	1980.00	8.46

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier [3 Carrier]

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 1	QPSK	Low	2127.50	8.26
		Middle	2145.00	8.26
		High	2162.50	8.30
	16QAM	Low	2127.50	8.25
		Middle	2145.00	8.25
		High	2162.50	8.20
	64QAM	Low	2127.50	8.26
		Middle	2145.00	8.28
		High	2162.50	8.27
	256QAM	Low	2127.50	8.25
		Middle	2145.00	8.26
		High	2162.50	8.26
Port 2	QPSK	Low	2127.50	8.25
		Middle	2145.00	8.31
		High	2162.50	8.25
	16QAM	Low	2127.50	8.24
		Middle	2145.00	8.32
		High	2162.50	8.20
	64QAM	Low	2127.50	8.29
		Middle	2145.00	8.30
		High	2162.50	8.28
	256QAM	Low	2127.50	8.27
		Middle	2145.00	8.29
		High	2162.50	8.26

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 3	QPSK	Low	2127.50	8.26
		Middle	2145.00	8.29
		High	2162.50	8.33
	16QAM	Low	2127.50	8.21
		Middle	2145.00	8.29
		High	2162.50	8.29
	64QAM	Low	2127.50	8.22
		Middle	2145.00	8.26
		High	2162.50	8.28
	256QAM	Low	2127.50	8.25
		Middle	2145.00	8.29
		High	2162.50	8.30
Port 4	QPSK	Low	2127.50	8.27
		Middle	2145.00	8.23
		High	2162.50	8.27
	16QAM	Low	2127.50	8.22
		Middle	2145.00	8.29
		High	2162.50	8.25
	64QAM	Low	2127.50	8.26
		Middle	2145.00	8.24
		High	2162.50	8.26
	256QAM	Low	2127.50	8.27
		Middle	2145.00	8.26
		High	2162.50	8.26
Port 5	QPSK	Low	2127.50	8.29
		Middle	2145.00	8.29
		High	2162.50	8.29
	16QAM	Low	2127.50	8.22
		Middle	2145.00	8.30
		High	2162.50	8.24
	64QAM	Low	2127.50	8.28
		Middle	2145.00	8.29
		High	2162.50	8.28
	256QAM	Low	2127.50	8.28
		Middle	2145.00	8.28
		High	2162.50	8.26

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 6	QPSK	Low	2127.50	8.26
		Middle	2145.00	8.29
		High	2162.50	8.28
	16QAM	Low	2127.50	8.25
		Middle	2145.00	8.29
		High	2162.50	8.25
	64QAM	Low	2127.50	8.23
		Middle	2145.00	8.31
		High	2162.50	8.31
	256QAM	Low	2127.50	8.28
		Middle	2145.00	8.28
		High	2162.50	8.32
Port 7	QPSK	Low	2127.50	8.26
		Middle	2145.00	8.29
		High	2162.50	8.29
	16QAM	Low	2127.50	8.18
		Middle	2145.00	8.28
		High	2162.50	8.25
	64QAM	Low	2127.50	8.28
		Middle	2145.00	8.30
		High	2162.50	8.27
	256QAM	Low	2127.50	8.27
		Middle	2145.00	8.28
		High	2162.50	8.27
Port 8	QPSK	Low	2127.50	8.27
		Middle	2145.00	8.28
		High	2162.50	8.29
	16QAM	Low	2127.50	8.24
		Middle	2145.00	8.28
		High	2162.50	8.26
	64QAM	Low	2127.50	8.23
		Middle	2145.00	8.29
		High	2162.50	8.34
	256QAM	Low	2127.50	8.29
		Middle	2145.00	8.29
		High	2162.50	8.28

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 9	QPSK	Low	2127.50	8.32
		Middle	2145.00	8.34
		High	2162.50	8.33
	16QAM	Low	2127.50	8.26
		Middle	2145.00	8.30
		High	2162.50	8.26
	64QAM	Low	2127.50	8.23
		Middle	2145.00	8.29
		High	2162.50	8.26
	256QAM	Low	2127.50	8.28
		Middle	2145.00	8.30
		High	2162.50	8.29
Port 10	QPSK	Low	2127.50	8.28
		Middle	2145.00	8.28
		High	2162.50	8.28
	16QAM	Low	2127.50	8.26
		Middle	2145.00	8.26
		High	2162.50	8.26
	64QAM	Low	2127.50	8.32
		Middle	2145.00	8.27
		High	2162.50	8.30
	256QAM	Low	2127.50	8.30
		Middle	2145.00	8.28
		High	2162.50	8.32
Port 11	QPSK	Low	2127.50	8.25
		Middle	2145.00	8.27
		High	2162.50	8.28
	16QAM	Low	2127.50	8.24
		Middle	2145.00	8.31
		High	2162.50	8.26
	64QAM	Low	2127.50	8.27
		Middle	2145.00	8.29
		High	2162.50	8.27
	256QAM	Low	2127.50	8.29
		Middle	2145.00	8.29
		High	2162.50	8.30

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 12	QPSK	Low	2127.50	8.27
		Middle	2145.00	8.30
		High	2162.50	8.27
	16QAM	Low	2127.50	8.25
		Middle	2145.00	8.32
		High	2162.50	8.27
	64QAM	Low	2127.50	8.29
		Middle	2145.00	8.27
		High	2162.50	8.30
	256QAM	Low	2127.50	8.30
		Middle	2145.00	8.28
		High	2162.50	8.30
Port 13	QPSK	Low	2127.50	8.30
		Middle	2145.00	8.31
		High	2162.50	8.26
	16QAM	Low	2127.50	8.27
		Middle	2145.00	8.29
		High	2162.50	8.26
	64QAM	Low	2127.50	8.27
		Middle	2145.00	8.30
		High	2162.50	8.30
	256QAM	Low	2127.50	8.27
		Middle	2145.00	8.32
		High	2162.50	8.28
Port 14	QPSK	Low	2127.50	8.23
		Middle	2145.00	8.29
		High	2162.50	8.32
	16QAM	Low	2127.50	8.26
		Middle	2145.00	8.30
		High	2162.50	8.29
	64QAM	Low	2127.50	8.27
		Middle	2145.00	8.31
		High	2162.50	8.30
	256QAM	Low	2127.50	8.27
		Middle	2145.00	8.31
		High	2162.50	8.34

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 15	QPSK	Low	2127.50	8.25
		Middle	2145.00	8.30
		High	2162.50	8.28
	16QAM	Low	2127.50	8.26
		Middle	2145.00	8.31
		High	2162.50	8.23
	64QAM	Low	2127.50	8.23
		Middle	2145.00	8.31
		High	2162.50	8.31
	256QAM	Low	2127.50	8.21
		Middle	2145.00	8.27
		High	2162.50	8.34
Port 16	QPSK	Low	2127.50	8.28
		Middle	2145.00	8.28
		High	2162.50	8.26
	16QAM	Low	2127.50	8.27
		Middle	2145.00	8.28
		High	2162.50	8.23
	64QAM	Low	2127.50	8.29
		Middle	2145.00	8.29
		High	2162.50	8.30
	256QAM	Low	2127.50	8.30
		Middle	2145.00	8.29
		High	2162.50	8.30

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier [3 Carrier]

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 1	QPSK	Low	2132.50	8.33
		Middle	2145.00	8.32
		High	2157.50	8.29
	16QAM	Low	2132.50	8.27
		Middle	2145.00	8.28
		High	2157.50	8.28
	64QAM	Low	2132.50	8.32
		Middle	2145.00	8.28
		High	2157.50	8.33
	256QAM	Low	2132.50	8.28
		Middle	2145.00	8.32
		High	2157.50	8.31
Port 2	QPSK	Low	2132.50	8.29
		Middle	2145.00	8.28
		High	2157.50	8.31
	16QAM	Low	2132.50	8.33
		Middle	2145.00	8.32
		High	2157.50	8.30
	64QAM	Low	2132.50	8.29
		Middle	2145.00	8.30
		High	2157.50	8.34
	256QAM	Low	2132.50	8.30
		Middle	2145.00	8.30
		High	2157.50	8.33

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 3	QPSK	Low	2132.50	8.28
		Middle	2145.00	8.28
		High	2157.50	8.30
	16QAM	Low	2132.50	8.30
		Middle	2145.00	8.27
		High	2157.50	8.32
	64QAM	Low	2132.50	8.31
		Middle	2145.00	8.29
		High	2157.50	8.31
	256QAM	Low	2132.50	8.29
		Middle	2145.00	8.30
		High	2157.50	8.30
Port 4	QPSK	Low	2132.50	8.32
		Middle	2145.00	8.30
		High	2157.50	8.30
	16QAM	Low	2132.50	8.29
		Middle	2145.00	8.28
		High	2157.50	8.25
	64QAM	Low	2132.50	8.30
		Middle	2145.00	8.28
		High	2157.50	8.34
	256QAM	Low	2132.50	8.28
		Middle	2145.00	8.29
		High	2157.50	8.34
Port 5	QPSK	Low	2132.50	8.30
		Middle	2145.00	8.33
		High	2157.50	8.30
	16QAM	Low	2132.50	8.28
		Middle	2145.00	8.32
		High	2157.50	8.28
	64QAM	Low	2132.50	8.31
		Middle	2145.00	8.30
		High	2157.50	8.32
	256QAM	Low	2132.50	8.30
		Middle	2145.00	8.32
		High	2157.50	8.32

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 6	QPSK	Low	2132.50	8.30
		Middle	2145.00	8.29
		High	2157.50	8.32
	16QAM	Low	2132.50	8.30
		Middle	2145.00	8.30
		High	2157.50	8.30
	64QAM	Low	2132.50	8.35
		Middle	2145.00	8.30
		High	2157.50	8.31
	256QAM	Low	2132.50	8.30
		Middle	2145.00	8.28
		High	2157.50	8.31
Port 7	QPSK	Low	2132.50	8.30
		Middle	2145.00	8.26
		High	2157.50	8.33
	16QAM	Low	2132.50	8.27
		Middle	2145.00	8.29
		High	2157.50	8.30
	64QAM	Low	2132.50	8.30
		Middle	2145.00	8.31
		High	2157.50	8.33
	256QAM	Low	2132.50	8.31
		Middle	2145.00	8.32
		High	2157.50	8.32
Port 8	QPSK	Low	2132.50	8.31
		Middle	2145.00	8.30
		High	2157.50	8.29
	16QAM	Low	2132.50	8.26
		Middle	2145.00	8.26
		High	2157.50	8.28
	64QAM	Low	2132.50	8.31
		Middle	2145.00	8.31
		High	2157.50	8.31
	256QAM	Low	2132.50	8.34
		Middle	2145.00	8.33
		High	2157.50	8.34

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 9	QPSK	Low	2132.50	8.33
		Middle	2145.00	8.33
		High	2157.50	8.30
	16QAM	Low	2132.50	8.32
		Middle	2145.00	8.30
		High	2157.50	8.29
	64QAM	Low	2132.50	8.31
		Middle	2145.00	8.30
		High	2157.50	8.32
	256QAM	Low	2132.50	8.32
		Middle	2145.00	8.33
		High	2157.50	8.32
Port 10	QPSK	Low	2132.50	8.33
		Middle	2145.00	8.30
		High	2157.50	8.31
	16QAM	Low	2132.50	8.28
		Middle	2145.00	8.31
		High	2157.50	8.28
	64QAM	Low	2132.50	8.30
		Middle	2145.00	8.30
		High	2157.50	8.31
	256QAM	Low	2132.50	8.33
		Middle	2145.00	8.32
		High	2157.50	8.32
Port 11	QPSK	Low	2132.50	8.29
		Middle	2145.00	8.30
		High	2157.50	8.30
	16QAM	Low	2132.50	8.31
		Middle	2145.00	8.26
		High	2157.50	8.31
	64QAM	Low	2132.50	8.31
		Middle	2145.00	8.30
		High	2157.50	8.31
	256QAM	Low	2132.50	8.31
		Middle	2145.00	8.31
		High	2157.50	8.34

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 12	QPSK	Low	2132.50	8.31
		Middle	2145.00	8.29
		High	2157.50	8.33
	16QAM	Low	2132.50	8.29
		Middle	2145.00	8.31
		High	2157.50	8.31
	64QAM	Low	2132.50	8.38
		Middle	2145.00	8.31
		High	2157.50	8.31
	256QAM	Low	2132.50	8.28
		Middle	2145.00	8.31
		High	2157.50	8.34
Port 13	QPSK	Low	2132.50	8.32
		Middle	2145.00	8.30
		High	2157.50	8.34
	16QAM	Low	2132.50	8.29
		Middle	2145.00	8.32
		High	2157.50	8.30
	64QAM	Low	2132.50	8.30
		Middle	2145.00	8.31
		High	2157.50	8.34
	256QAM	Low	2132.50	8.31
		Middle	2145.00	8.33
		High	2157.50	8.33
Port 14	QPSK	Low	2132.50	8.33
		Middle	2145.00	8.32
		High	2157.50	8.34
	16QAM	Low	2132.50	8.29
		Middle	2145.00	8.28
		High	2157.50	8.30
	64QAM	Low	2132.50	8.33
		Middle	2145.00	8.33
		High	2157.50	8.32
	256QAM	Low	2132.50	8.33
		Middle	2145.00	8.30
		High	2157.50	8.34

Port	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 15	QPSK	Low	2132.50	8.32
		Middle	2145.00	8.33
		High	2157.50	8.27
	16QAM	Low	2132.50	8.30
		Middle	2145.00	8.33
		High	2157.50	8.30
	64QAM	Low	2132.50	8.30
		Middle	2145.00	8.29
		High	2157.50	8.31
	256QAM	Low	2132.50	8.33
		Middle	2145.00	8.33
		High	2157.50	8.30
Port 16	QPSK	Low	2132.50	8.27
		Middle	2145.00	8.26
		High	2157.50	8.33
	16QAM	Low	2132.50	8.28
		Middle	2145.00	8.30
		High	2157.50	8.28
	64QAM	Low	2132.50	8.32
		Middle	2145.00	8.28
		High	2157.50	8.32
	256QAM	Low	2132.50	8.30
		Middle	2145.00	8.32
		High	2157.50	8.31

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier
[4 Carrier]

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 1	QPSK	Low	2135.00	8.23
		Middle	2145.00	8.23
		High	2155.00	8.28
	16QAM	Low	2135.00	8.28
		Middle	2145.00	8.23
		High	2155.00	8.28
	64QAM	Low	2135.00	8.25
		Middle	2145.00	8.26
		High	2155.00	8.28
	256QAM	Low	2135.00	8.25
		Middle	2145.00	8.26
		High	2155.00	8.28
Port 2	QPSK	Low	2135.00	8.27
		Middle	2145.00	8.28
		High	2155.00	8.27
	16QAM	Low	2135.00	8.29
		Middle	2145.00	8.30
		High	2155.00	8.35
	64QAM	Low	2135.00	8.30
		Middle	2145.00	8.29
		High	2155.00	8.29
	256QAM	Low	2135.00	8.30
		Middle	2145.00	8.29
		High	2155.00	8.27

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 3	QPSK	Low	2135.00	8.28
		Middle	2145.00	8.29
		High	2155.00	8.28
	16QAM	Low	2135.00	8.28
		Middle	2145.00	8.28
		High	2155.00	8.30
	64QAM	Low	2135.00	8.25
		Middle	2145.00	8.28
		High	2155.00	8.32
	256QAM	Low	2135.00	8.29
		Middle	2145.00	8.30
		High	2155.00	8.35
Port 4	QPSK	Low	2135.00	8.26
		Middle	2145.00	8.27
		High	2155.00	8.31
	16QAM	Low	2135.00	8.32
		Middle	2145.00	8.29
		High	2155.00	8.28
	64QAM	Low	2135.00	8.25
		Middle	2145.00	8.30
		High	2155.00	8.28
	256QAM	Low	2135.00	8.26
		Middle	2145.00	8.28
		High	2155.00	8.34
Port 5	QPSK	Low	2135.00	8.23
		Middle	2145.00	8.28
		High	2155.00	8.29
	16QAM	Low	2135.00	8.30
		Middle	2145.00	8.28
		High	2155.00	8.32
	64QAM	Low	2135.00	8.26
		Middle	2145.00	8.29
		High	2155.00	8.26
	256QAM	Low	2135.00	8.27
		Middle	2145.00	8.30
		High	2155.00	8.25

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 6	QPSK	Low	2135.00	8.28
		Middle	2145.00	8.31
		High	2155.00	8.31
	16QAM	Low	2135.00	8.28
		Middle	2145.00	8.30
		High	2155.00	8.32
	64QAM	Low	2135.00	8.28
		Middle	2145.00	8.30
		High	2155.00	8.29
	256QAM	Low	2135.00	8.28
		Middle	2145.00	8.29
		High	2155.00	8.33
Port 7	QPSK	Low	2135.00	8.26
		Middle	2145.00	8.26
		High	2155.00	8.30
	16QAM	Low	2135.00	8.26
		Middle	2145.00	8.26
		High	2155.00	8.24
	64QAM	Low	2135.00	8.25
		Middle	2145.00	8.27
		High	2155.00	8.31
	256QAM	Low	2135.00	8.26
		Middle	2145.00	8.28
		High	2155.00	8.33
Port 8	QPSK	Low	2135.00	8.30
		Middle	2145.00	8.30
		High	2155.00	8.32
	16QAM	Low	2135.00	8.31
		Middle	2145.00	8.31
		High	2155.00	8.29
	64QAM	Low	2135.00	8.30
		Middle	2145.00	8.31
		High	2155.00	8.31
	256QAM	Low	2135.00	8.32
		Middle	2145.00	8.28
		High	2155.00	8.30

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 9	QPSK	Low	2135.00	8.35
		Middle	2145.00	8.31
		High	2155.00	8.32
	16QAM	Low	2135.00	8.33
		Middle	2145.00	8.24
		High	2155.00	8.35
	64QAM	Low	2135.00	8.32
		Middle	2145.00	8.29
		High	2155.00	8.33
	256QAM	Low	2135.00	8.30
		Middle	2145.00	8.30
		High	2155.00	8.34
Port 10	QPSK	Low	2135.00	8.25
		Middle	2145.00	8.31
		High	2155.00	8.27
	16QAM	Low	2135.00	8.30
		Middle	2145.00	8.30
		High	2155.00	8.26
	64QAM	Low	2135.00	8.28
		Middle	2145.00	8.32
		High	2155.00	8.26
	256QAM	Low	2135.00	8.28
		Middle	2145.00	8.32
		High	2155.00	8.26
Port 11	QPSK	Low	2135.00	8.30
		Middle	2145.00	8.30
		High	2155.00	8.33
	16QAM	Low	2135.00	8.30
		Middle	2145.00	8.24
		High	2155.00	8.29
	64QAM	Low	2135.00	8.31
		Middle	2145.00	8.30
		High	2155.00	8.29
	256QAM	Low	2135.00	8.30
		Middle	2145.00	8.30
		High	2155.00	8.29

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 12	QPSK	Low	2135.00	8.30
		Middle	2145.00	8.27
		High	2155.00	8.30
	16QAM	Low	2135.00	8.34
		Middle	2145.00	8.31
		High	2155.00	8.30
	64QAM	Low	2135.00	8.29
		Middle	2145.00	8.30
		High	2155.00	8.28
	256QAM	Low	2135.00	8.29
		Middle	2145.00	8.29
		High	2155.00	8.30
Port 13	QPSK	Low	2135.00	8.27
		Middle	2145.00	8.29
		High	2155.00	8.28
	16QAM	Low	2135.00	8.32
		Middle	2145.00	8.26
		High	2155.00	8.30
	64QAM	Low	2135.00	8.28
		Middle	2145.00	8.29
		High	2155.00	8.27
	256QAM	Low	2135.00	8.25
		Middle	2145.00	8.28
		High	2155.00	8.29
Port 14	QPSK	Low	2135.00	8.31
		Middle	2145.00	8.29
		High	2155.00	8.27
	16QAM	Low	2135.00	8.33
		Middle	2145.00	8.27
		High	2155.00	8.32
	64QAM	Low	2135.00	8.30
		Middle	2145.00	8.30
		High	2155.00	8.32
	256QAM	Low	2135.00	8.29
		Middle	2145.00	8.31
		High	2155.00	8.30

Port.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
Port 15	QPSK	Low	2135.00	8.30
		Middle	2145.00	8.30
		High	2155.00	8.33
	16QAM	Low	2135.00	8.31
		Middle	2145.00	8.27
		High	2155.00	8.31
	64QAM	Low	2135.00	8.30
		Middle	2145.00	8.33
		High	2155.00	8.34
	256QAM	Low	2135.00	8.30
		Middle	2145.00	8.32
		High	2155.00	8.27
Port 16	QPSK	Low	2135.00	8.28
		Middle	2145.00	8.28
		High	2155.00	8.28
	16QAM	Low	2135.00	8.28
		Middle	2145.00	8.26
		High	2155.00	8.28
	64QAM	Low	2135.00	8.27
		Middle	2145.00	8.27
		High	2155.00	8.30
	256QAM	Low	2135.00	8.27
		Middle	2145.00	8.27
		High	2155.00	8.30

Tabular Data of Non-Contiguous PAPR

LTE Band 25 5 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier [2 Carrier]

Port.	Modulation	LTE Band 25 5 MHz		LTE Band 25 15 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 1	QPSK	1932.50	8.28	1987.50	8.31
	16QAM	1932.50	8.39	1987.50	8.34
	64QAM	1932.50	8.27	1987.50	8.28
	256QAM	1932.50	8.27	1987.50	8.28
Port 2	QPSK	1932.50	8.30	1987.50	8.33
	16QAM	1932.50	8.39	1987.50	8.32
	64QAM	1932.50	8.27	1987.50	8.27
	256QAM	1932.50	8.26	1987.50	8.27
Port 3	QPSK	1932.50	8.28	1987.50	8.33
	16QAM	1932.50	8.41	1987.50	8.33
	64QAM	1932.50	8.27	1987.50	8.29
	256QAM	1932.50	8.28	1987.50	8.30
Port 4	QPSK	1932.50	8.26	1987.50	8.30
	16QAM	1932.50	8.40	1987.50	8.30
	64QAM	1932.50	8.27	1987.50	8.27
	256QAM	1932.50	8.27	1987.50	8.27
Port 5	QPSK	1932.50	8.26	1987.50	8.32
	16QAM	1932.50	8.40	1987.50	8.33
	64QAM	1932.50	8.29	1987.50	8.26
	256QAM	1932.50	8.25	1987.50	8.28
Port 6	QPSK	1932.50	8.30	1987.50	8.32
	16QAM	1932.50	8.38	1987.50	8.32
	64QAM	1932.50	8.28	1987.50	8.25
	256QAM	1932.50	8.29	1987.50	8.27
Port 7	QPSK	1932.50	8.25	1987.50	8.30
	16QAM	1932.50	8.38	1987.50	8.32
	64QAM	1932.50	8.26	1987.50	8.29
	256QAM	1932.50	8.29	1987.50	8.31
Port 8	QPSK	1932.50	8.31	1987.50	8.30
	16QAM	1932.50	8.42	1987.50	8.31
	64QAM	1932.50	8.30	1987.50	8.30
	256QAM	1932.50	8.30	1987.50	8.29

Port.	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 9	QPSK	1932.50	8.27	1987.50	8.32
	16QAM	1932.50	8.38	1987.50	8.30
	64QAM	1932.50	8.30	1987.50	8.28
	256QAM	1932.50	8.29	1987.50	8.28
Port 10	QPSK	1932.50	8.31	1987.50	8.35
	16QAM	1932.50	8.39	1987.50	8.31
	64QAM	1932.50	8.30	1987.50	8.29
	256QAM	1932.50	8.29	1987.50	8.26
Port 11	QPSK	1932.50	8.27	1987.50	8.32
	16QAM	1932.50	8.36	1987.50	8.32
	64QAM	1932.50	8.28	1987.50	8.29
	256QAM	1932.50	8.30	1987.50	8.25
Port 12	QPSK	1932.50	8.32	1987.50	8.32
	16QAM	1932.50	8.39	1987.50	8.31
	64QAM	1932.50	8.26	1987.50	8.28
	256QAM	1932.50	8.30	1987.50	8.28
Port 13	QPSK	1932.50	8.25	1987.50	8.32
	16QAM	1932.50	8.39	1987.50	8.35
	64QAM	1932.50	8.27	1987.50	8.29
	256QAM	1932.50	8.26	1987.50	8.26
Port 14	QPSK	1932.50	8.29	1987.50	8.29
	16QAM	1932.50	8.39	1987.50	8.32
	64QAM	1932.50	8.28	1987.50	8.28
	256QAM	1932.50	8.27	1987.50	8.28
Port 15	QPSK	1932.50	8.32	1987.50	8.33
	16QAM	1932.50	8.39	1987.50	8.34
	64QAM	1932.50	8.30	1987.50	8.26
	256QAM	1932.50	8.29	1987.50	8.28
Port 16	QPSK	1932.50	8.28	1987.50	8.32
	16QAM	1932.50	8.38	1987.50	8.34
	64QAM	1932.50	8.31	1987.50	8.28
	256QAM	1932.50	8.30	1987.50	8.28

LTE Band 25 15 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier [2 Carrier]

Port.	Modulation	LTE Band 25 15 MHz		LTE Band 25 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 1	QPSK	1937.50	8.31	1992.50	8.33
	16QAM	1937.50	8.26	1992.50	8.37
	64QAM	1937.50	8.30	1992.50	8.33
	256QAM	1937.50	8.29	1992.50	8.30
Port 2	QPSK	1937.50	8.31	1992.50	8.31
	16QAM	1937.50	8.26	1992.50	8.40
	64QAM	1937.50	8.30	1992.50	8.29
	256QAM	1937.50	8.28	1992.50	8.33
Port 3	QPSK	1937.50	8.28	1992.50	8.30
	16QAM	1937.50	8.30	1992.50	8.43
	64QAM	1937.50	8.30	1992.50	8.30
	256QAM	1937.50	8.30	1992.50	8.28
Port 4	QPSK	1937.50	8.30	1992.50	8.28
	16QAM	1937.50	8.27	1992.50	8.42
	64QAM	1937.50	8.31	1992.50	8.31
	256QAM	1937.50	8.30	1992.50	8.29
Port 5	QPSK	1937.50	8.33	1992.50	8.30
	16QAM	1937.50	8.30	1992.50	8.43
	64QAM	1937.50	8.30	1992.50	8.28
	256QAM	1937.50	8.29	1992.50	8.30
Port 6	QPSK	1937.50	8.33	1992.50	8.25
	16QAM	1937.50	8.32	1992.50	8.39
	64QAM	1937.50	8.35	1992.50	8.32
	256QAM	1937.50	8.32	1992.50	8.27
Port 7	QPSK	1937.50	8.29	1992.50	8.26
	16QAM	1937.50	8.28	1992.50	8.40
	64QAM	1937.50	8.30	1992.50	8.28
	256QAM	1937.50	8.30	1992.50	8.25
Port 8	QPSK	1937.50	8.32	1992.50	8.26
	16QAM	1937.50	8.31	1992.50	8.40
	64QAM	1937.50	8.31	1992.50	8.28
	256QAM	1937.50	8.35	1992.50	8.27

Port.	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 9	QPSK	1937.50	8.34	1992.50	8.27
	16QAM	1937.50	8.29	1992.50	8.41
	64QAM	1937.50	8.30	1992.50	8.31
	256QAM	1937.50	8.30	1992.50	8.31
Port 10	QPSK	1937.50	8.33	1992.50	8.32
	16QAM	1937.50	8.27	1992.50	8.40
	64QAM	1937.50	8.29	1992.50	8.30
	256QAM	1937.50	8.29	1992.50	8.24
Port 11	QPSK	1937.50	8.33	1992.50	8.29
	16QAM	1937.50	8.35	1992.50	8.45
	64QAM	1937.50	8.31	1992.50	8.27
	256QAM	1937.50	8.30	1992.50	8.28
Port 12	QPSK	1937.50	8.33	1992.50	8.28
	16QAM	1937.50	8.25	1992.50	8.41
	64QAM	1937.50	8.32	1992.50	8.24
	256QAM	1937.50	8.32	1992.50	8.29
Port 13	QPSK	1937.50	8.31	1992.50	8.27
	16QAM	1937.50	8.26	1992.50	8.40
	64QAM	1937.50	8.30	1992.50	8.28
	256QAM	1937.50	8.31	1992.50	8.29
Port 14	QPSK	1937.50	8.33	1992.50	8.30
	16QAM	1937.50	8.29	1992.50	8.42
	64QAM	1937.50	8.30	1992.50	8.30
	256QAM	1937.50	8.32	1992.50	8.28
Port 15	QPSK	1937.50	8.32	1992.50	8.26
	16QAM	1937.50	8.26	1992.50	8.43
	64QAM	1937.50	8.32	1992.50	8.28
	256QAM	1937.50	8.30	1992.50	8.32
Port 16	QPSK	1937.50	8.32	1992.50	8.26
	16QAM	1937.50	8.28	1992.50	8.38
	64QAM	1937.50	8.32	1992.50	8.28
	256QAM	1937.50	8.32	1992.50	8.30

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier [2 Carrier]

Port	Modulation	LTE Band 66 10 MHz		LTE Band 66 20 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 1	QPSK	2115.00	8.22	2170.00	8.08
	16QAM	2115.00	8.31	2170.00	8.08
	64QAM	2115.00	8.27	2170.00	8.00
	256QAM	2115.00	8.33	2170.00	8.10
Port 2	QPSK	2115.00	8.22	2170.00	8.12
	16QAM	2115.00	8.26	2170.00	8.15
	64QAM	2115.00	8.21	2170.00	8.07
	256QAM	2115.00	8.34	2170.00	8.16
Port 3	QPSK	2115.00	8.21	2170.00	8.11
	16QAM	2115.00	8.36	2170.00	8.07
	64QAM	2115.00	8.24	2170.00	8.02
	256QAM	2115.00	8.32	2170.00	8.11
Port 4	QPSK	2115.00	8.26	2170.00	8.08
	16QAM	2115.00	8.33	2170.00	8.07
	64QAM	2115.00	8.25	2170.00	8.03
	256QAM	2115.00	8.32	2170.00	8.12
Port 5	QPSK	2115.00	8.30	2170.00	8.15
	16QAM	2115.00	8.27	2170.00	8.14
	64QAM	2115.00	8.24	2170.00	8.06
	256QAM	2115.00	8.38	2170.00	8.16
Port 6	QPSK	2115.00	8.15	2170.00	8.09
	16QAM	2115.00	8.34	2170.00	8.04
	64QAM	2115.00	8.26	2170.00	8.02
	256QAM	2115.00	8.33	2170.00	8.11
Port 7	QPSK	2115.00	8.23	2170.00	8.08
	16QAM	2115.00	8.30	2170.00	8.06
	64QAM	2115.00	8.23	2170.00	8.02
	256QAM	2115.00	8.33	2170.00	8.11
Port 8	QPSK	2115.00	8.27	2170.00	8.08
	16QAM	2115.00	8.31	2170.00	8.08
	64QAM	2115.00	8.24	2170.00	8.04
	256QAM	2115.00	8.35	2170.00	8.09

Port	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 9	QPSK	2115.00	8.29	2170.00	8.12
	16QAM	2115.00	8.34	2170.00	8.06
	64QAM	2115.00	8.24	2170.00	8.07
	256QAM	2115.00	8.35	2170.00	8.14
Port 10	QPSK	2115.00	8.21	2170.00	8.12
	16QAM	2115.00	8.29	2170.00	8.09
	64QAM	2115.00	8.25	2170.00	8.04
	256QAM	2115.00	8.32	2170.00	8.15
Port 11	QPSK	2115.00	8.21	2170.00	8.07
	16QAM	2115.00	8.35	2170.00	8.09
	64QAM	2115.00	8.25	2170.00	8.00
	256QAM	2115.00	8.30	2170.00	8.10
Port 12	QPSK	2115.00	8.28	2170.00	8.07
	16QAM	2115.00	8.29	2170.00	8.10
	64QAM	2115.00	8.22	2170.00	8.03
	256QAM	2115.00	8.36	2170.00	8.13
Port 13	QPSK	2115.00	8.25	2170.00	8.09
	16QAM	2115.00	8.31	2170.00	8.06
	64QAM	2115.00	8.25	2170.00	8.05
	256QAM	2115.00	8.35	2170.00	8.12
Port 14	QPSK	2115.00	8.30	2170.00	8.15
	16QAM	2115.00	8.26	2170.00	8.08
	64QAM	2115.00	8.22	2170.00	8.04
	256QAM	2115.00	8.34	2170.00	8.16
Port 15	QPSK	2115.00	8.23	2170.00	8.12
	16QAM	2115.00	8.33	2170.00	8.07
	64QAM	2115.00	8.24	2170.00	8.02
	256QAM	2115.00	8.34	2170.00	8.11
Port 16	QPSK	2115.00	8.23	2170.00	8.04
	16QAM	2115.00	8.33	2170.00	8.01
	64QAM	2115.00	8.26	2170.00	7.98
	256QAM	2115.00	8.35	2170.00	8.09

LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier [3 Carrier]

Port.	Modulation	LTE Band 25 5 MHz		LTE Band 25 10 MHz + LTE Band 25 10 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 1	QPSK	1932.50	8.27	1980.00 + 1990.00	8.15
	16QAM	1932.50	8.40	1980.00 + 1990.00	8.12
	64QAM	1932.50	8.22	1980.00 + 1990.00	8.15
	256QAM	1932.50	8.27	1980.00 + 1990.00	8.13
Port 2	QPSK	1932.50	8.25	1980.00 + 1990.00	8.14
	16QAM	1932.50	8.38	1980.00 + 1990.00	8.10
	64QAM	1932.50	8.25	1980.00 + 1990.00	8.14
	256QAM	1932.50	8.27	1980.00 + 1990.00	8.15
Port 3	QPSK	1932.50	8.24	1980.00 + 1990.00	8.16
	16QAM	1932.50	8.34	1980.00 + 1990.00	8.14
	64QAM	1932.50	8.24	1980.00 + 1990.00	8.15
	256QAM	1932.50	8.25	1980.00 + 1990.00	8.11
Port 4	QPSK	1932.50	8.24	1980.00 + 1990.00	8.12
	16QAM	1932.50	8.39	1980.00 + 1990.00	8.13
	64QAM	1932.50	8.22	1980.00 + 1990.00	8.13
	256QAM	1932.50	8.27	1980.00 + 1990.00	8.09
Port 5	QPSK	1932.50	8.22	1980.00 + 1990.00	8.11
	16QAM	1932.50	8.37	1980.00 + 1990.00	8.10
	64QAM	1932.50	8.26	1980.00 + 1990.00	8.13
	256QAM	1932.50	8.25	1980.00 + 1990.00	8.14
Port 6	QPSK	1932.50	8.26	1980.00 + 1990.00	8.16
	16QAM	1932.50	8.38	1980.00 + 1990.00	8.12
	64QAM	1932.50	8.23	1980.00 + 1990.00	8.15
	256QAM	1932.50	8.25	1980.00 + 1990.00	8.16
Port 7	QPSK	1932.50	8.22	1980.00 + 1990.00	8.11
	16QAM	1932.50	8.39	1980.00 + 1990.00	8.15
	64QAM	1932.50	8.25	1980.00 + 1990.00	8.14
	256QAM	1932.50	8.26	1980.00 + 1990.00	8.14
Port 8	QPSK	1932.50	8.25	1980.00 + 1990.00	8.10
	16QAM	1932.50	8.35	1980.00 + 1990.00	8.11
	64QAM	1932.50	8.24	1980.00 + 1990.00	8.12
	256QAM	1932.50	8.24	1980.00 + 1990.00	8.12

Port.	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 9	QPSK	1932.50	8.26	1980.00 + 1990.00	8.13
	16QAM	1932.50	8.43	1980.00 + 1990.00	8.10
	64QAM	1932.50	8.24	1980.00 + 1990.00	8.15
	256QAM	1932.50	8.26	1980.00 + 1990.00	8.13
Port 10	QPSK	1932.50	8.23	1980.00 + 1990.00	8.13
	16QAM	1932.50	8.37	1980.00 + 1990.00	8.11
	64QAM	1932.50	8.25	1980.00 + 1990.00	8.15
	256QAM	1932.50	8.25	1980.00 + 1990.00	8.14
Port 11	QPSK	1932.50	8.23	1980.00 + 1990.00	8.12
	16QAM	1932.50	8.39	1980.00 + 1990.00	8.13
	64QAM	1932.50	8.24	1980.00 + 1990.00	8.11
	256QAM	1932.50	8.28	1980.00 + 1990.00	8.12
Port 12	QPSK	1932.50	8.23	1980.00 + 1990.00	8.14
	16QAM	1932.50	8.36	1980.00 + 1990.00	8.12
	64QAM	1932.50	8.26	1980.00 + 1990.00	8.15
	256QAM	1932.50	8.23	1980.00 + 1990.00	8.15
Port 13	QPSK	1932.50	8.24	1980.00 + 1990.00	8.16
	16QAM	1932.50	8.40	1980.00 + 1990.00	8.13
	64QAM	1932.50	8.24	1980.00 + 1990.00	8.15
	256QAM	1932.50	8.22	1980.00 + 1990.00	8.15
Port 14	QPSK	1932.50	8.25	1980.00 + 1990.00	8.12
	16QAM	1932.50	8.38	1980.00 + 1990.00	8.12
	64QAM	1932.50	8.26	1980.00 + 1990.00	8.10
	256QAM	1932.50	8.25	1980.00 + 1990.00	8.14
Port 15	QPSK	1932.50	8.24	1980.00 + 1990.00	8.16
	16QAM	1932.50	8.37	1980.00 + 1990.00	8.11
	64QAM	1932.50	8.25	1980.00 + 1990.00	8.13
	256QAM	1932.50	8.27	1980.00 + 1990.00	8.13
Port 16	QPSK	1932.50	8.24	1980.00 + 1990.00	8.12
	16QAM	1932.50	8.36	1980.00 + 1990.00	8.12
	64QAM	1932.50	8.22	1980.00 + 1990.00	8.14
	256QAM	1932.50	8.26	1980.00 + 1990.00	8.15

LTE Band 25 10 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier [3 Carrier]

Port.	Modulation	LTE Band 25 10 MHz + LTE Band 25 10 MHz		LTE Band 25 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 1	QPSK	1935.00 + 1945.00	8.14	1992.50	8.26
	16QAM	1935.00 + 1945.00	8.12	1992.50	8.38
	64QAM	1935.00 + 1945.00	8.13	1992.50	8.28
	256QAM	1935.00 + 1945.00	8.11	1992.50	8.24
Port 2	QPSK	1935.00 + 1945.00	8.10	1992.50	8.24
	16QAM	1935.00 + 1945.00	8.11	1992.50	8.38
	64QAM	1935.00 + 1945.00	8.13	1992.50	8.23
	256QAM	1935.00 + 1945.00	8.13	1992.50	8.24
Port 3	QPSK	1935.00 + 1945.00	8.10	1992.50	8.28
	16QAM	1935.00 + 1945.00	8.10	1992.50	8.38
	64QAM	1935.00 + 1945.00	8.11	1992.50	8.20
	256QAM	1935.00 + 1945.00	8.10	1992.50	8.23
Port 4	QPSK	1935.00 + 1945.00	8.13	1992.50	8.23
	16QAM	1935.00 + 1945.00	8.13	1992.50	8.36
	64QAM	1935.00 + 1945.00	8.13	1992.50	8.26
	256QAM	1935.00 + 1945.00	8.15	1992.50	8.25
Port 5	QPSK	1935.00 + 1945.00	8.12	1992.50	8.25
	16QAM	1935.00 + 1945.00	8.12	1992.50	8.36
	64QAM	1935.00 + 1945.00	8.12	1992.50	8.23
	256QAM	1935.00 + 1945.00	8.14	1992.50	8.21
Port 6	QPSK	1935.00 + 1945.00	8.13	1992.50	8.21
	16QAM	1935.00 + 1945.00	8.13	1992.50	8.36
	64QAM	1935.00 + 1945.00	8.13	1992.50	8.23
	256QAM	1935.00 + 1945.00	8.12	1992.50	8.25
Port 7	QPSK	1935.00 + 1945.00	8.08	1992.50	8.25
	16QAM	1935.00 + 1945.00	8.12	1992.50	8.36
	64QAM	1935.00 + 1945.00	8.14	1992.50	8.26
	256QAM	1935.00 + 1945.00	8.11	1992.50	8.23
Port 8	QPSK	1935.00 + 1945.00	8.14	1992.50	8.25
	16QAM	1935.00 + 1945.00	8.12	1992.50	8.35
	64QAM	1935.00 + 1945.00	8.15	1992.50	8.25
	256QAM	1935.00 + 1945.00	8.14	1992.50	8.22

Port.	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 9	QPSK	1935.00 + 1945.00	8.08	1992.50	8.25
	16QAM	1935.00 + 1945.00	8.11	1992.50	8.35
	64QAM	1935.00 + 1945.00	8.11	1992.50	8.25
	256QAM	1935.00 + 1945.00	8.09	1992.50	8.23
Port 10	QPSK	1935.00 + 1945.00	8.11	1992.50	8.25
	16QAM	1935.00 + 1945.00	8.07	1992.50	8.38
	64QAM	1935.00 + 1945.00	8.14	1992.50	8.26
	256QAM	1935.00 + 1945.00	8.11	1992.50	8.24
Port 11	QPSK	1935.00 + 1945.00	8.12	1992.50	8.28
	16QAM	1935.00 + 1945.00	8.12	1992.50	8.35
	64QAM	1935.00 + 1945.00	8.12	1992.50	8.22
	256QAM	1935.00 + 1945.00	8.12	1992.50	8.25
Port 12	QPSK	1935.00 + 1945.00	8.12	1992.50	8.24
	16QAM	1935.00 + 1945.00	8.10	1992.50	8.33
	64QAM	1935.00 + 1945.00	8.14	1992.50	8.21
	256QAM	1935.00 + 1945.00	8.15	1992.50	8.28
Port 13	QPSK	1935.00 + 1945.00	8.11	1992.50	8.27
	16QAM	1935.00 + 1945.00	8.10	1992.50	8.36
	64QAM	1935.00 + 1945.00	8.11	1992.50	8.25
	256QAM	1935.00 + 1945.00	8.14	1992.50	8.25
Port 14	QPSK	1935.00 + 1945.00	8.11	1992.50	8.31
	16QAM	1935.00 + 1945.00	8.08	1992.50	8.32
	64QAM	1935.00 + 1945.00	8.11	1992.50	8.24
	256QAM	1935.00 + 1945.00	8.11	1992.50	8.19
Port 15	QPSK	1935.00 + 1945.00	8.11	1992.50	8.21
	16QAM	1935.00 + 1945.00	8.13	1992.50	8.38
	64QAM	1935.00 + 1945.00	8.13	1992.50	8.23
	256QAM	1935.00 + 1945.00	8.12	1992.50	8.22
Port 16	QPSK	1935.00 + 1945.00	8.09	1992.50	8.19
	16QAM	1935.00 + 1945.00	8.12	1992.50	8.35
	64QAM	1935.00 + 1945.00	8.12	1992.50	8.17
	256QAM	1935.00 + 1945.00	8.10	1992.50	8.16

LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier [3 Carrier]

Port.	Modulation	LTE Band 25 5 MHz		LTE Band 25 10 MHz + LTE Band 25 15 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 1	QPSK	1932.50	8.29	1975.00 + 1987.50	8.13
	16QAM	1932.50	8.38	1975.00 + 1987.50	8.08
	64QAM	1932.50	8.24	1975.00 + 1987.50	8.06
	256QAM	1932.50	8.27	1975.00 + 1987.50	8.08
Port 2	QPSK	1932.50	8.28	1975.00 + 1987.50	8.09
	16QAM	1932.50	8.35	1975.00 + 1987.50	8.10
	64QAM	1932.50	8.25	1975.00 + 1987.50	8.09
	256QAM	1932.50	8.26	1975.00 + 1987.50	8.08
Port 3	QPSK	1932.50	8.28	1975.00 + 1987.50	8.13
	16QAM	1932.50	8.42	1975.00 + 1987.50	8.14
	64QAM	1932.50	8.20	1975.00 + 1987.50	8.12
	256QAM	1932.50	8.26	1975.00 + 1987.50	8.14
Port 4	QPSK	1932.50	8.28	1975.00 + 1987.50	8.09
	16QAM	1932.50	8.36	1975.00 + 1987.50	8.06
	64QAM	1932.50	8.28	1975.00 + 1987.50	8.07
	256QAM	1932.50	8.32	1975.00 + 1987.50	8.06
Port 5	QPSK	1932.50	8.26	1975.00 + 1987.50	8.10
	16QAM	1932.50	8.37	1975.00 + 1987.50	8.14
	64QAM	1932.50	8.27	1975.00 + 1987.50	8.10
	256QAM	1932.50	8.18	1975.00 + 1987.50	8.10
Port 6	QPSK	1932.50	8.28	1975.00 + 1987.50	8.13
	16QAM	1932.50	8.37	1975.00 + 1987.50	8.10
	64QAM	1932.50	8.27	1975.00 + 1987.50	8.14
	256QAM	1932.50	8.28	1975.00 + 1987.50	8.13
Port 7	QPSK	1932.50	8.22	1975.00 + 1987.50	8.07
	16QAM	1932.50	8.45	1975.00 + 1987.50	8.12
	64QAM	1932.50	8.22	1975.00 + 1987.50	8.09
	256QAM	1932.50	8.26	1975.00 + 1987.50	8.12
Port 8	QPSK	1932.50	8.28	1975.00 + 1987.50	8.11
	16QAM	1932.50	8.34	1975.00 + 1987.50	8.08
	64QAM	1932.50	8.28	1975.00 + 1987.50	8.09
	256QAM	1932.50	8.29	1975.00 + 1987.50	8.09

Port.	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 9	QPSK	1932.50	8.27	1975.00 + 1987.50	8.11
	16QAM	1932.50	8.33	1975.00 + 1987.50	8.08
	64QAM	1932.50	8.24	1975.00 + 1987.50	8.07
	256QAM	1932.50	8.32	1975.00 + 1987.50	8.12
Port 10	QPSK	1932.50	8.23	1975.00 + 1987.50	8.10
	16QAM	1932.50	8.36	1975.00 + 1987.50	8.09
	64QAM	1932.50	8.29	1975.00 + 1987.50	8.10
	256QAM	1932.50	8.20	1975.00 + 1987.50	8.09
Port 11	QPSK	1932.50	8.21	1975.00 + 1987.50	8.06
	16QAM	1932.50	8.34	1975.00 + 1987.50	8.06
	64QAM	1932.50	8.23	1975.00 + 1987.50	8.08
	256QAM	1932.50	8.33	1975.00 + 1987.50	8.09
Port 12	QPSK	1932.50	8.25	1975.00 + 1987.50	8.14
	16QAM	1932.50	8.42	1975.00 + 1987.50	8.15
	64QAM	1932.50	8.23	1975.00 + 1987.50	8.10
	256QAM	1932.50	8.31	1975.00 + 1987.50	8.12
Port 13	QPSK	1932.50	8.22	1975.00 + 1987.50	8.11
	16QAM	1932.50	8.36	1975.00 + 1987.50	8.15
	64QAM	1932.50	8.30	1975.00 + 1987.50	8.10
	256QAM	1932.50	8.26	1975.00 + 1987.50	8.10
Port 14	QPSK	1932.50	8.32	1975.00 + 1987.50	8.08
	16QAM	1932.50	8.32	1975.00 + 1987.50	8.13
	64QAM	1932.50	8.28	1975.00 + 1987.50	8.09
	256QAM	1932.50	8.19	1975.00 + 1987.50	8.09
Port 15	QPSK	1932.50	8.19	1975.00 + 1987.50	8.10
	16QAM	1932.50	8.37	1975.00 + 1987.50	8.11
	64QAM	1932.50	8.28	1975.00 + 1987.50	8.08
	256QAM	1932.50	8.23	1975.00 + 1987.50	8.09
Port 16	QPSK	1932.50	8.22	1975.00 + 1987.50	8.10
	16QAM	1932.50	8.36	1975.00 + 1987.50	8.14
	64QAM	1932.50	8.31	1975.00 + 1987.50	8.08
	256QAM	1932.50	8.25	1975.00 + 1987.50	8.13

LTE Band 25 10 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier [3 Carrier]

Port.	Modulation	LTE Band 25 10 MHz + LTE Band 25 15 MHz		LTE Band 25 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 1	QPSK	1935.00 + 1947.50	8.09	1992.50	8.25
	16QAM	1935.00 + 1947.50	8.12	1992.50	8.42
	64QAM	1935.00 + 1947.50	8.08	1992.50	8.24
	256QAM	1935.00 + 1947.50	8.11	1992.50	8.21
Port 2	QPSK	1935.00 + 1947.50	8.12	1992.50	8.23
	16QAM	1935.00 + 1947.50	8.12	1992.50	8.43
	64QAM	1935.00 + 1947.50	8.16	1992.50	8.23
	256QAM	1935.00 + 1947.50	8.11	1992.50	8.26
Port 3	QPSK	1935.00 + 1947.50	8.12	1992.50	8.22
	16QAM	1935.00 + 1947.50	8.10	1992.50	8.43
	64QAM	1935.00 + 1947.50	8.14	1992.50	8.22
	256QAM	1935.00 + 1947.50	8.14	1992.50	8.24
Port 4	QPSK	1935.00 + 1947.50	8.10	1992.50	8.27
	16QAM	1935.00 + 1947.50	8.11	1992.50	8.41
	64QAM	1935.00 + 1947.50	8.08	1992.50	8.19
	256QAM	1935.00 + 1947.50	8.13	1992.50	8.31
Port 5	QPSK	1935.00 + 1947.50	8.15	1992.50	8.31
	16QAM	1935.00 + 1947.50	8.13	1992.50	8.40
	64QAM	1935.00 + 1947.50	8.13	1992.50	8.25
	256QAM	1935.00 + 1947.50	8.13	1992.50	8.29
Port 6	QPSK	1935.00 + 1947.50	8.13	1992.50	8.31
	16QAM	1935.00 + 1947.50	8.12	1992.50	8.32
	64QAM	1935.00 + 1947.50	8.13	1992.50	8.27
	256QAM	1935.00 + 1947.50	8.12	1992.50	8.24
Port 7	QPSK	1935.00 + 1947.50	8.12	1992.50	8.30
	16QAM	1935.00 + 1947.50	8.10	1992.50	8.41
	64QAM	1935.00 + 1947.50	8.08	1992.50	8.27
	256QAM	1935.00 + 1947.50	8.07	1992.50	8.29
Port 8	QPSK	1935.00 + 1947.50	8.15	1992.50	8.30
	16QAM	1935.00 + 1947.50	8.09	1992.50	8.44
	64QAM	1935.00 + 1947.50	8.13	1992.50	8.29
	256QAM	1935.00 + 1947.50	8.14	1992.50	8.21

Port.	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 9	QPSK	1935.00 + 1947.50	8.12	1992.50	8.19
	16QAM	1935.00 + 1947.50	8.12	1992.50	8.37
	64QAM	1935.00 + 1947.50	8.09	1992.50	8.25
	256QAM	1935.00 + 1947.50	8.11	1992.50	8.27
Port 10	QPSK	1935.00 + 1947.50	8.10	1992.50	8.23
	16QAM	1935.00 + 1947.50	8.10	1992.50	8.37
	64QAM	1935.00 + 1947.50	8.08	1992.50	8.28
	256QAM	1935.00 + 1947.50	8.11	1992.50	8.17
Port 11	QPSK	1935.00 + 1947.50	8.12	1992.50	8.29
	16QAM	1935.00 + 1947.50	8.14	1992.50	8.35
	64QAM	1935.00 + 1947.50	8.14	1992.50	8.25
	256QAM	1935.00 + 1947.50	8.12	1992.50	8.33
Port 12	QPSK	1935.00 + 1947.50	8.10	1992.50	8.23
	16QAM	1935.00 + 1947.50	8.11	1992.50	8.39
	64QAM	1935.00 + 1947.50	8.11	1992.50	8.21
	256QAM	1935.00 + 1947.50	8.12	1992.50	8.22
Port 13	QPSK	1935.00 + 1947.50	8.10	1992.50	8.30
	16QAM	1935.00 + 1947.50	8.10	1992.50	8.37
	64QAM	1935.00 + 1947.50	8.08	1992.50	8.20
	256QAM	1935.00 + 1947.50	8.11	1992.50	8.28
Port 14	QPSK	1935.00 + 1947.50	8.09	1992.50	8.25
	16QAM	1935.00 + 1947.50	8.11	1992.50	8.39
	64QAM	1935.00 + 1947.50	8.08	1992.50	8.25
	256QAM	1935.00 + 1947.50	8.07	1992.50	8.27
Port 15	QPSK	1935.00 + 1947.50	8.16	1992.50	8.24
	16QAM	1935.00 + 1947.50	8.13	1992.50	8.38
	64QAM	1935.00 + 1947.50	8.17	1992.50	8.14
	256QAM	1935.00 + 1947.50	8.13	1992.50	8.27
Port 16	QPSK	1935.00 + 1947.50	8.13	1992.50	8.19
	16QAM	1935.00 + 1947.50	8.08	1992.50	8.39
	64QAM	1935.00 + 1947.50	8.13	1992.50	8.21
	256QAM	1935.00 + 1947.50	8.13	1992.50	8.20

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier [3 Carrier] (1C+2C)

Port	Modulation	LTE Band 66 15 MHz		LTE Band 66 10 MHz + LTE Band 66 10 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 1	QPSK	2115.00	8.34	2162.50 + 2175.00	8.25
	16QAM	2115.00	8.42	2162.50 + 2175.00	8.19
	64QAM	2115.00	8.34	2162.50 + 2175.00	8.21
	256QAM	2115.00	8.36	2162.50 + 2175.00	8.20
Port 2	QPSK	2115.00	8.31	2162.50 + 2175.00	8.26
	16QAM	2115.00	8.47	2162.50 + 2175.00	8.20
	64QAM	2115.00	8.35	2162.50 + 2175.00	8.19
	256QAM	2115.00	8.35	2162.50 + 2175.00	8.24
Port 3	QPSK	2115.00	8.35	2162.50 + 2175.00	8.23
	16QAM	2115.00	8.38	2162.50 + 2175.00	8.18
	64QAM	2115.00	8.37	2162.50 + 2175.00	8.20
	256QAM	2115.00	8.31	2162.50 + 2175.00	8.24
Port 4	QPSK	2115.00	8.32	2162.50 + 2175.00	8.24
	16QAM	2115.00	8.43	2162.50 + 2175.00	8.17
	64QAM	2115.00	8.31	2162.50 + 2175.00	8.24
	256QAM	2115.00	8.44	2162.50 + 2175.00	8.24
Port 5	QPSK	2115.00	8.40	2162.50 + 2175.00	8.27
	16QAM	2115.00	8.43	2162.50 + 2175.00	8.21
	64QAM	2115.00	8.34	2162.50 + 2175.00	8.19
	256QAM	2115.00	8.35	2162.50 + 2175.00	8.23
Port 6	QPSK	2115.00	8.35	2162.50 + 2175.00	8.25
	16QAM	2115.00	8.39	2162.50 + 2175.00	8.23
	64QAM	2115.00	8.30	2162.50 + 2175.00	8.20
	256QAM	2115.00	8.39	2162.50 + 2175.00	8.26
Port 7	QPSK	2115.00	8.44	2162.50 + 2175.00	8.22
	16QAM	2115.00	8.43	2162.50 + 2175.00	8.20
	64QAM	2115.00	8.37	2162.50 + 2175.00	8.23
	256QAM	2115.00	8.38	2162.50 + 2175.00	8.23
Port 8	QPSK	2115.00	8.31	2162.50 + 2175.00	8.28
	16QAM	2115.00	8.38	2162.50 + 2175.00	8.17
	64QAM	2115.00	8.35	2162.50 + 2175.00	8.23
	256QAM	2115.00	8.44	2162.50 + 2175.00	8.27

Port	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 9	QPSK	2115.00	8.39	2162.50 + 2175.00	8.24
	16QAM	2115.00	8.34	2162.50 + 2175.00	8.24
	64QAM	2115.00	8.34	2162.50 + 2175.00	8.24
	256QAM	2115.00	8.40	2162.50 + 2175.00	8.27
Port 10	QPSK	2115.00	8.31	2162.50 + 2175.00	8.26
	16QAM	2115.00	8.36	2162.50 + 2175.00	8.18
	64QAM	2115.00	8.33	2162.50 + 2175.00	8.23
	256QAM	2115.00	8.30	2162.50 + 2175.00	8.28
Port 11	QPSK	2115.00	8.42	2162.50 + 2175.00	8.24
	16QAM	2115.00	8.34	2162.50 + 2175.00	8.24
	64QAM	2115.00	8.33	2162.50 + 2175.00	8.24
	256QAM	2115.00	8.34	2162.50 + 2175.00	8.24
Port 12	QPSK	2115.00	8.32	2162.50 + 2175.00	8.22
	16QAM	2115.00	8.47	2162.50 + 2175.00	8.17
	64QAM	2115.00	8.32	2162.50 + 2175.00	8.22
	256QAM	2115.00	8.41	2162.50 + 2175.00	8.23
Port 13	QPSK	2115.00	8.35	2162.50 + 2175.00	8.26
	16QAM	2115.00	8.47	2162.50 + 2175.00	8.21
	64QAM	2115.00	8.33	2162.50 + 2175.00	8.20
	256QAM	2115.00	8.39	2162.50 + 2175.00	8.24
Port 14	QPSK	2115.00	8.39	2162.50 + 2175.00	8.23
	16QAM	2115.00	8.39	2162.50 + 2175.00	8.25
	64QAM	2115.00	8.36	2162.50 + 2175.00	8.22
	256QAM	2115.00	8.42	2162.50 + 2175.00	8.26
Port 15	QPSK	2115.00	8.30	2162.50 + 2175.00	8.21
	16QAM	2115.00	8.36	2162.50 + 2175.00	8.21
	64QAM	2115.00	8.35	2162.50 + 2175.00	8.22
	256QAM	2115.00	8.32	2162.50 + 2175.00	8.23
Port 16	QPSK	2115.00	8.37	2162.50 + 2175.00	8.21
	16QAM	2115.00	8.42	2162.50 + 2175.00	8.21
	64QAM	2115.00	8.27	2162.50 + 2175.00	8.20
	256QAM	2115.00	8.35	2162.50 + 2175.00	8.25

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier [3 Carrier] (2C+1C)

Port	Modulation	LTE Band 66 10 MHz + LTE Band 66 15 MHz		LTE Band 66 10 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 1	QPSK	2115.00 + 2127.50	8.20	2175.00	8.29
	16QAM	2115.00 + 2127.50	8.22	2175.00	8.45
	64QAM	2115.00 + 2127.50	8.19	2175.00	8.33
	256QAM	2115.00 + 2127.50	8.21	2175.00	8.46
Port 2	QPSK	2115.00 + 2127.50	8.19	2175.00	8.25
	16QAM	2115.00 + 2127.50	8.18	2175.00	8.49
	64QAM	2115.00 + 2127.50	8.18	2175.00	8.33
	256QAM	2115.00 + 2127.50	8.23	2175.00	8.41
Port 3	QPSK	2115.00 + 2127.50	8.24	2175.00	8.31
	16QAM	2115.00 + 2127.50	8.21	2175.00	8.46
	64QAM	2115.00 + 2127.50	8.21	2175.00	8.37
	256QAM	2115.00 + 2127.50	8.21	2175.00	8.44
Port 4	QPSK	2115.00 + 2127.50	8.21	2175.00	8.26
	16QAM	2115.00 + 2127.50	8.20	2175.00	8.48
	64QAM	2115.00 + 2127.50	8.19	2175.00	8.39
	256QAM	2115.00 + 2127.50	8.23	2175.00	8.50
Port 5	QPSK	2115.00 + 2127.50	8.20	2175.00	8.28
	16QAM	2115.00 + 2127.50	8.17	2175.00	8.47
	64QAM	2115.00 + 2127.50	8.17	2175.00	8.32
	256QAM	2115.00 + 2127.50	8.21	2175.00	8.49
Port 6	QPSK	2115.00 + 2127.50	8.23	2175.00	8.28
	16QAM	2115.00 + 2127.50	8.28	2175.00	8.41
	64QAM	2115.00 + 2127.50	8.21	2175.00	8.33
	256QAM	2115.00 + 2127.50	8.22	2175.00	8.43
Port 7	QPSK	2115.00 + 2127.50	8.25	2175.00	8.33
	16QAM	2115.00 + 2127.50	8.24	2175.00	8.45
	64QAM	2115.00 + 2127.50	8.19	2175.00	8.32
	256QAM	2115.00 + 2127.50	8.24	2175.00	8.43
Port 8	QPSK	2115.00 + 2127.50	8.21	2175.00	8.28
	16QAM	2115.00 + 2127.50	8.21	2175.00	8.50
	64QAM	2115.00 + 2127.50	8.21	2175.00	8.35
	256QAM	2115.00 + 2127.50	8.23	2175.00	8.44

Port	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 9	QPSK	2115.00 + 2127.50	8.23	2175.00	8.27
	16QAM	2115.00 + 2127.50	8.23	2175.00	8.46
	64QAM	2115.00 + 2127.50	8.19	2175.00	8.34
	256QAM	2115.00 + 2127.50	8.23	2175.00	8.44
Port 10	QPSK	2115.00 + 2127.50	8.22	2175.00	8.29
	16QAM	2115.00 + 2127.50	8.22	2175.00	8.49
	64QAM	2115.00 + 2127.50	8.18	2175.00	8.35
	256QAM	2115.00 + 2127.50	8.20	2175.00	8.42
Port 11	QPSK	2115.00 + 2127.50	8.24	2175.00	8.27
	16QAM	2115.00 + 2127.50	8.18	2175.00	8.49
	64QAM	2115.00 + 2127.50	8.20	2175.00	8.34
	256QAM	2115.00 + 2127.50	8.24	2175.00	8.45
Port 12	QPSK	2115.00 + 2127.50	8.23	2175.00	8.35
	16QAM	2115.00 + 2127.50	8.23	2175.00	8.45
	64QAM	2115.00 + 2127.50	8.17	2175.00	8.33
	256QAM	2115.00 + 2127.50	8.19	2175.00	8.44
Port 13	QPSK	2115.00 + 2127.50	8.21	2175.00	8.30
	16QAM	2115.00 + 2127.50	8.21	2175.00	8.49
	64QAM	2115.00 + 2127.50	8.18	2175.00	8.34
	256QAM	2115.00 + 2127.50	8.20	2175.00	8.42
Port 14	QPSK	2115.00 + 2127.50	8.22	2175.00	8.28
	16QAM	2115.00 + 2127.50	8.18	2175.00	8.43
	64QAM	2115.00 + 2127.50	8.24	2175.00	8.33
	256QAM	2115.00 + 2127.50	8.24	2175.00	8.38
Port 15	QPSK	2115.00 + 2127.50	8.23	2175.00	8.33
	16QAM	2115.00 + 2127.50	8.18	2175.00	8.49
	64QAM	2115.00 + 2127.50	8.16	2175.00	8.38
	256QAM	2115.00 + 2127.50	8.26	2175.00	8.41
Port 16	QPSK	2115.00 + 2127.50	8.25	2175.00	8.29
	16QAM	2115.00 + 2127.50	8.18	2175.00	8.42
	64QAM	2115.00 + 2127.50	8.21	2175.00	8.35
	256QAM	2115.00 + 2127.50	8.23	2175.00	8.43

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier [3 Carrier] (1C+2C)

Port	Modulation	LTE Band 66 10 MHz		LTE Band 66 15 MHz + LTE Band 66 20 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 1	QPSK	2115.00	8.39	2155.00 + 2172.50	8.27
	16QAM	2115.00	8.38	2155.00 + 2172.50	8.24
	64QAM	2115.00	8.35	2155.00 + 2172.50	8.22
	256QAM	2115.00	8.41	2155.00 + 2172.50	8.22
Port 2	QPSK	2115.00	8.43	2155.00 + 2172.50	8.23
	16QAM	2115.00	8.44	2155.00 + 2172.50	8.26
	64QAM	2115.00	8.34	2155.00 + 2172.50	8.23
	256QAM	2115.00	8.42	2155.00 + 2172.50	8.24
Port 3	QPSK	2115.00	8.44	2155.00 + 2172.50	8.20
	16QAM	2115.00	8.37	2155.00 + 2172.50	8.27
	64QAM	2115.00	8.32	2155.00 + 2172.50	8.20
	256QAM	2115.00	8.41	2155.00 + 2172.50	8.21
Port 4	QPSK	2115.00	8.42	2155.00 + 2172.50	8.26
	16QAM	2115.00	8.33	2155.00 + 2172.50	8.24
	64QAM	2115.00	8.38	2155.00 + 2172.50	8.22
	256QAM	2115.00	8.44	2155.00 + 2172.50	8.27
Port 5	QPSK	2115.00	8.34	2155.00 + 2172.50	8.27
	16QAM	2115.00	8.43	2155.00 + 2172.50	8.23
	64QAM	2115.00	8.37	2155.00 + 2172.50	8.28
	256QAM	2115.00	8.43	2155.00 + 2172.50	8.23
Port 6	QPSK	2115.00	8.43	2155.00 + 2172.50	8.23
	16QAM	2115.00	8.32	2155.00 + 2172.50	8.25
	64QAM	2115.00	8.36	2155.00 + 2172.50	8.24
	256QAM	2115.00	8.43	2155.00 + 2172.50	8.24
Port 7	QPSK	2115.00	8.42	2155.00 + 2172.50	8.23
	16QAM	2115.00	8.36	2155.00 + 2172.50	8.25
	64QAM	2115.00	8.36	2155.00 + 2172.50	8.26
	256QAM	2115.00	8.45	2155.00 + 2172.50	8.22
Port 8	QPSK	2115.00	8.43	2155.00 + 2172.50	8.21
	16QAM	2115.00	8.34	2155.00 + 2172.50	8.23
	64QAM	2115.00	8.40	2155.00 + 2172.50	8.25
	256QAM	2115.00	8.40	2155.00 + 2172.50	8.21

Port	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 9	QPSK	2115.00	8.40	2155.00 + 2172.50	8.25
	16QAM	2115.00	8.39	2155.00 + 2172.50	8.26
	64QAM	2115.00	8.36	2155.00 + 2172.50	8.25
	256QAM	2115.00	8.45	2155.00 + 2172.50	8.25
Port 10	QPSK	2115.00	8.39	2155.00 + 2172.50	8.26
	16QAM	2115.00	8.40	2155.00 + 2172.50	8.24
	64QAM	2115.00	8.31	2155.00 + 2172.50	8.24
	256QAM	2115.00	8.40	2155.00 + 2172.50	8.26
Port 11	QPSK	2115.00	8.44	2155.00 + 2172.50	8.27
	16QAM	2115.00	8.33	2155.00 + 2172.50	8.29
	64QAM	2115.00	8.38	2155.00 + 2172.50	8.26
	256QAM	2115.00	8.46	2155.00 + 2172.50	8.24
Port 12	QPSK	2115.00	8.44	2155.00 + 2172.50	8.30
	16QAM	2115.00	8.41	2155.00 + 2172.50	8.25
	64QAM	2115.00	8.37	2155.00 + 2172.50	8.25
	256QAM	2115.00	8.38	2155.00 + 2172.50	8.27
Port 13	QPSK	2115.00	8.31	2155.00 + 2172.50	8.24
	16QAM	2115.00	8.31	2155.00 + 2172.50	8.21
	64QAM	2115.00	8.37	2155.00 + 2172.50	8.29
	256QAM	2115.00	8.49	2155.00 + 2172.50	8.20
Port 14	QPSK	2115.00	8.33	2155.00 + 2172.50	8.26
	16QAM	2115.00	8.37	2155.00 + 2172.50	8.29
	64QAM	2115.00	8.38	2155.00 + 2172.50	8.24
	256QAM	2115.00	8.38	2155.00 + 2172.50	8.23
Port 15	QPSK	2115.00	8.35	2155.00 + 2172.50	8.23
	16QAM	2115.00	8.39	2155.00 + 2172.50	8.28
	64QAM	2115.00	8.37	2155.00 + 2172.50	8.25
	256QAM	2115.00	8.40	2155.00 + 2172.50	8.27
Port 16	QPSK	2115.00	8.35	2155.00 + 2172.50	8.25
	16QAM	2115.00	8.44	2155.00 + 2172.50	8.23
	64QAM	2115.00	8.38	2155.00 + 2172.50	8.22
	256QAM	2115.00	8.42	2155.00 + 2172.50	8.27

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier [3 Carrier] (2C+1C)

Port	Modulation	LTE Band 66 10 MHz + LTE Band 66 20 MHz		LTE Band 66 15 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 1	QPSK	2115.00 + 2130.00	8.33	2172.50	8.40
	16QAM	2115.00 + 2130.00	8.26	2172.50	8.36
	64QAM	2115.00 + 2130.00	8.34	2172.50	8.37
	256QAM	2115.00 + 2130.00	8.34	2172.50	8.44
Port 2	QPSK	2115.00 + 2130.00	8.35	2172.50	8.35
	16QAM	2115.00 + 2130.00	8.24	2172.50	8.35
	64QAM	2115.00 + 2130.00	8.30	2172.50	8.39
	256QAM	2115.00 + 2130.00	8.34	2172.50	8.43
Port 3	QPSK	2115.00 + 2130.00	8.33	2172.50	8.40
	16QAM	2115.00 + 2130.00	8.29	2172.50	8.39
	64QAM	2115.00 + 2130.00	8.31	2172.50	8.42
	256QAM	2115.00 + 2130.00	8.31	2172.50	8.45
Port 4	QPSK	2115.00 + 2130.00	8.31	2172.50	8.43
	16QAM	2115.00 + 2130.00	8.26	2172.50	8.37
	64QAM	2115.00 + 2130.00	8.32	2172.50	8.41
	256QAM	2115.00 + 2130.00	8.27	2172.50	8.47
Port 5	QPSK	2115.00 + 2130.00	8.33	2172.50	8.38
	16QAM	2115.00 + 2130.00	8.24	2172.50	8.35
	64QAM	2115.00 + 2130.00	8.34	2172.50	8.40
	256QAM	2115.00 + 2130.00	8.35	2172.50	8.47
Port 6	QPSK	2115.00 + 2130.00	8.35	2172.50	8.40
	16QAM	2115.00 + 2130.00	8.27	2172.50	8.31
	64QAM	2115.00 + 2130.00	8.35	2172.50	8.34
	256QAM	2115.00 + 2130.00	8.35	2172.50	8.40
Port 7	QPSK	2115.00 + 2130.00	8.31	2172.50	8.37
	16QAM	2115.00 + 2130.00	8.20	2172.50	8.34
	64QAM	2115.00 + 2130.00	8.32	2172.50	8.37
	256QAM	2115.00 + 2130.00	8.32	2172.50	8.42
Port 8	QPSK	2115.00 + 2130.00	8.26	2172.50	8.39
	16QAM	2115.00 + 2130.00	8.25	2172.50	8.33
	64QAM	2115.00 + 2130.00	8.27	2172.50	8.40
	256QAM	2115.00 + 2130.00	8.30	2172.50	8.41

Port	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 9	QPSK	2115.00 + 2130.00	8.32	2172.50	8.38
	16QAM	2115.00 + 2130.00	8.26	2172.50	8.38
	64QAM	2115.00 + 2130.00	8.30	2172.50	8.35
	256QAM	2115.00 + 2130.00	8.32	2172.50	8.45
Port 10	QPSK	2115.00 + 2130.00	8.32	2172.50	8.38
	16QAM	2115.00 + 2130.00	8.25	2172.50	8.37
	64QAM	2115.00 + 2130.00	8.35	2172.50	8.40
	256QAM	2115.00 + 2130.00	8.33	2172.50	8.42
Port 11	QPSK	2115.00 + 2130.00	8.35	2172.50	8.43
	16QAM	2115.00 + 2130.00	8.26	2172.50	8.34
	64QAM	2115.00 + 2130.00	8.31	2172.50	8.36
	256QAM	2115.00 + 2130.00	8.37	2172.50	8.44
Port 12	QPSK	2115.00 + 2130.00	8.32	2172.50	8.35
	16QAM	2115.00 + 2130.00	8.26	2172.50	8.36
	64QAM	2115.00 + 2130.00	8.35	2172.50	8.38
	256QAM	2115.00 + 2130.00	8.34	2172.50	8.49
Port 13	QPSK	2115.00 + 2130.00	8.38	2172.50	8.38
	16QAM	2115.00 + 2130.00	8.26	2172.50	8.32
	64QAM	2115.00 + 2130.00	8.31	2172.50	8.35
	256QAM	2115.00 + 2130.00	8.32	2172.50	8.44
Port 14	QPSK	2115.00 + 2130.00	8.34	2172.50	8.45
	16QAM	2115.00 + 2130.00	8.28	2172.50	8.38
	64QAM	2115.00 + 2130.00	8.33	2172.50	8.35
	256QAM	2115.00 + 2130.00	8.34	2172.50	8.39
Port 15	QPSK	2115.00 + 2130.00	8.31	2172.50	8.40
	16QAM	2115.00 + 2130.00	8.29	2172.50	8.40
	64QAM	2115.00 + 2130.00	8.34	2172.50	8.37
	256QAM	2115.00 + 2130.00	8.33	2172.50	8.41
Port 16	QPSK	2115.00 + 2130.00	8.32	2172.50	8.39
	16QAM	2115.00 + 2130.00	8.25	2172.50	8.35
	64QAM	2115.00 + 2130.00	8.31	2172.50	8.35
	256QAM	2115.00 + 2130.00	8.32	2172.50	8.48

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier
[4 Carrier] (1C+3C)

Port.	Modulation	LTE Band 66 10 MHz		LTE Band 66 10 MHz + LTE Band 66 10 MHz + LTE Band 66 20 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 1	QPSK	2115.00	8.36	2150.00 + 2165.00 + 2175.00	8.28
	16QAM	2115.00	8.43	2150.00 + 2165.00 + 2175.00	8.25
	64QAM	2115.00	8.43	2150.00 + 2165.00 + 2175.00	8.22
	256QAM	2115.00	8.42	2150.00 + 2165.00 + 2175.00	8.23
Port 2	QPSK	2115.00	8.47	2150.00 + 2165.00 + 2175.00	8.29
	16QAM	2115.00	8.41	2150.00 + 2165.00 + 2175.00	8.27
	64QAM	2115.00	8.35	2150.00 + 2165.00 + 2175.00	8.24
	256QAM	2115.00	8.47	2150.00 + 2165.00 + 2175.00	8.28
Port 3	QPSK	2115.00	8.41	2150.00 + 2165.00 + 2175.00	8.27
	16QAM	2115.00	8.40	2150.00 + 2165.00 + 2175.00	8.27
	64QAM	2115.00	8.35	2150.00 + 2165.00 + 2175.00	8.25
	256QAM	2115.00	8.38	2150.00 + 2165.00 + 2175.00	8.24
Port 4	QPSK	2115.00	8.44	2150.00 + 2165.00 + 2175.00	8.29
	16QAM	2115.00	8.35	2150.00 + 2165.00 + 2175.00	8.29
	64QAM	2115.00	8.41	2150.00 + 2165.00 + 2175.00	8.24
	256QAM	2115.00	8.42	2150.00 + 2165.00 + 2175.00	8.22
Port 5	QPSK	2115.00	8.36	2150.00 + 2165.00 + 2175.00	8.30
	16QAM	2115.00	8.41	2150.00 + 2165.00 + 2175.00	8.29
	64QAM	2115.00	8.37	2150.00 + 2165.00 + 2175.00	8.22
	256QAM	2115.00	8.37	2150.00 + 2165.00 + 2175.00	8.26
Port 6	QPSK	2115.00	8.44	2150.00 + 2165.00 + 2175.00	8.26
	16QAM	2115.00	8.47	2150.00 + 2165.00 + 2175.00	8.27
	64QAM	2115.00	8.43	2150.00 + 2165.00 + 2175.00	8.28
	256QAM	2115.00	8.47	2150.00 + 2165.00 + 2175.00	8.25
Port 7	QPSK	2115.00	8.40	2150.00 + 2165.00 + 2175.00	8.24
	16QAM	2115.00	8.40	2150.00 + 2165.00 + 2175.00	8.28
	64QAM	2115.00	8.42	2150.00 + 2165.00 + 2175.00	8.25
	256QAM	2115.00	8.34	2150.00 + 2165.00 + 2175.00	8.23
Port 8	QPSK	2115.00	8.40	2150.00 + 2165.00 + 2175.00	8.25
	16QAM	2115.00	8.38	2150.00 + 2165.00 + 2175.00	8.29
	64QAM	2115.00	8.43	2150.00 + 2165.00 + 2175.00	8.26
	256QAM	2115.00	8.42	2150.00 + 2165.00 + 2175.00	8.27

Port.	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 9	QPSK	2115.00	8.37	2150.00 + 2165.00 + 2175.00	8.26
	16QAM	2115.00	8.41	2150.00 + 2165.00 + 2175.00	8.29
	64QAM	2115.00	8.37	2150.00 + 2165.00 + 2175.00	8.27
	256QAM	2115.00	8.37	2150.00 + 2165.00 + 2175.00	8.24
Port 10	QPSK	2115.00	8.36	2150.00 + 2165.00 + 2175.00	8.26
	16QAM	2115.00	8.38	2150.00 + 2165.00 + 2175.00	8.29
	64QAM	2115.00	8.33	2150.00 + 2165.00 + 2175.00	8.30
	256QAM	2115.00	8.40	2150.00 + 2165.00 + 2175.00	8.22
Port 11	QPSK	2115.00	8.38	2150.00 + 2165.00 + 2175.00	8.25
	16QAM	2115.00	8.42	2150.00 + 2165.00 + 2175.00	8.26
	64QAM	2115.00	8.35	2150.00 + 2165.00 + 2175.00	8.26
	256QAM	2115.00	8.37	2150.00 + 2165.00 + 2175.00	8.24
Port 12	QPSK	2115.00	8.38	2150.00 + 2165.00 + 2175.00	8.25
	16QAM	2115.00	8.32	2150.00 + 2165.00 + 2175.00	8.30
	64QAM	2115.00	8.38	2150.00 + 2165.00 + 2175.00	8.23
	256QAM	2115.00	8.43	2150.00 + 2165.00 + 2175.00	8.24
Port 13	QPSK	2115.00	8.43	2150.00 + 2165.00 + 2175.00	8.28
	16QAM	2115.00	8.43	2150.00 + 2165.00 + 2175.00	8.30
	64QAM	2115.00	8.34	2150.00 + 2165.00 + 2175.00	8.24
	256QAM	2115.00	8.39	2150.00 + 2165.00 + 2175.00	8.24
Port 14	QPSK	2115.00	8.42	2150.00 + 2165.00 + 2175.00	8.24
	16QAM	2115.00	8.38	2150.00 + 2165.00 + 2175.00	8.30
	64QAM	2115.00	8.43	2150.00 + 2165.00 + 2175.00	8.26
	256QAM	2115.00	8.40	2150.00 + 2165.00 + 2175.00	8.26
Port 15	QPSK	2115.00	8.34	2150.00 + 2165.00 + 2175.00	8.26
	16QAM	2115.00	8.47	2150.00 + 2165.00 + 2175.00	8.30
	64QAM	2115.00	8.35	2150.00 + 2165.00 + 2175.00	8.29
	256QAM	2115.00	8.42	2150.00 + 2165.00 + 2175.00	8.26
Port 16	QPSK	2115.00	8.42	2150.00 + 2165.00 + 2175.00	8.31
	16QAM	2115.00	8.36	2150.00 + 2165.00 + 2175.00	8.30
	64QAM	2115.00	8.45	2150.00 + 2165.00 + 2175.00	8.25
	256QAM	2115.00	8.43	2150.00 + 2165.00 + 2175.00	8.27

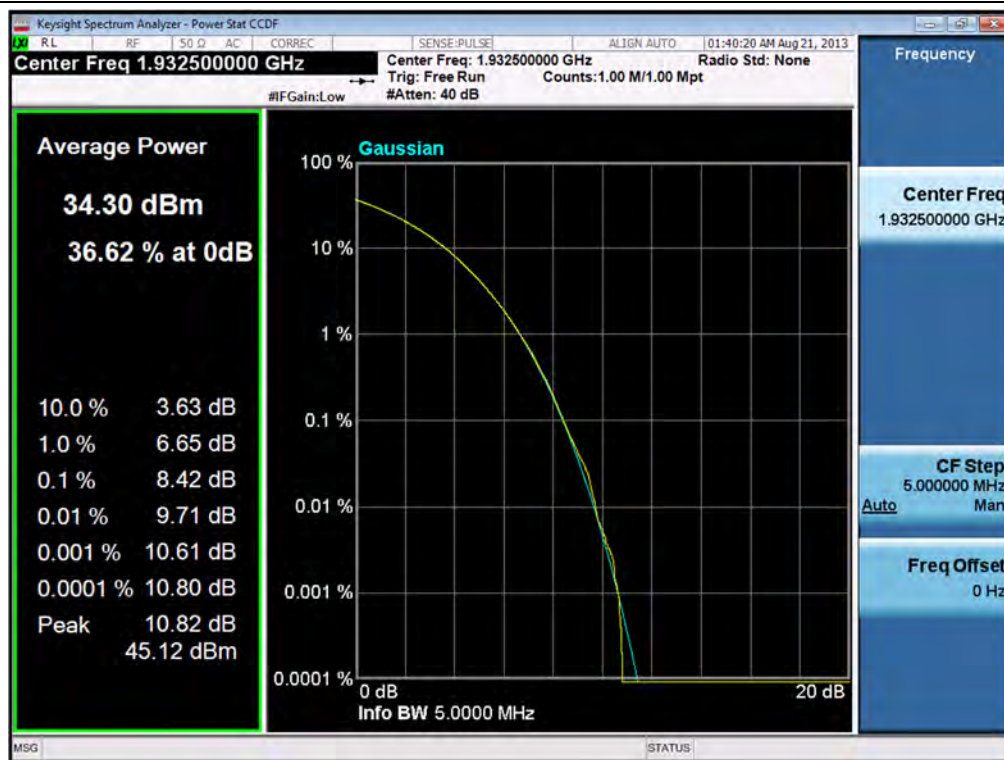
LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier
[4 Carrier] (3C+1C)

Port.	Modulation	LTE Band 66 10 MHz + LTE Band 66 10 MHz + LTE Band 66 20 MHz		LTE Band 66 10 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 1	QPSK	2115.00 + 2125.00 + 2140.00	7.92	2175.00	8.42
	16QAM	2115.00 + 2125.00 + 2140.00	7.91	2175.00	8.50
	64QAM	2115.00 + 2125.00 + 2140.00	7.96	2175.00	8.36
	256QAM	2115.00 + 2125.00 + 2140.00	7.94	2175.00	8.46
Port 2	QPSK	2115.00 + 2125.00 + 2140.00	7.89	2175.00	8.37
	16QAM	2115.00 + 2125.00 + 2140.00	7.89	2175.00	8.53
	64QAM	2115.00 + 2125.00 + 2140.00	7.92	2175.00	8.45
	256QAM	2115.00 + 2125.00 + 2140.00	7.88	2175.00	8.48
Port 3	QPSK	2115.00 + 2125.00 + 2140.00	7.95	2175.00	8.35
	16QAM	2115.00 + 2125.00 + 2140.00	7.86	2175.00	8.49
	64QAM	2115.00 + 2125.00 + 2140.00	7.93	2175.00	8.36
	256QAM	2115.00 + 2125.00 + 2140.00	7.93	2175.00	8.51
Port 4	QPSK	2115.00 + 2125.00 + 2140.00	7.92	2175.00	8.36
	16QAM	2115.00 + 2125.00 + 2140.00	7.91	2175.00	8.43
	64QAM	2115.00 + 2125.00 + 2140.00	7.92	2175.00	8.37
	256QAM	2115.00 + 2125.00 + 2140.00	7.92	2175.00	8.48
Port 5	QPSK	2115.00 + 2125.00 + 2140.00	7.89	2175.00	8.41
	16QAM	2115.00 + 2125.00 + 2140.00	7.89	2175.00	8.56
	64QAM	2115.00 + 2125.00 + 2140.00	7.88	2175.00	8.35
	256QAM	2115.00 + 2125.00 + 2140.00	7.90	2175.00	8.44
Port 6	QPSK	2115.00 + 2125.00 + 2140.00	7.91	2175.00	8.34
	16QAM	2115.00 + 2125.00 + 2140.00	7.87	2175.00	8.52
	64QAM	2115.00 + 2125.00 + 2140.00	7.93	2175.00	8.45
	256QAM	2115.00 + 2125.00 + 2140.00	7.91	2175.00	8.47
Port 7	QPSK	2115.00 + 2125.00 + 2140.00	7.92	2175.00	8.45
	16QAM	2115.00 + 2125.00 + 2140.00	7.87	2175.00	8.51
	64QAM	2115.00 + 2125.00 + 2140.00	7.91	2175.00	8.42
	256QAM	2115.00 + 2125.00 + 2140.00	7.93	2175.00	8.43
Port 8	QPSK	2115.00 + 2125.00 + 2140.00	7.94	2175.00	8.39
	16QAM	2115.00 + 2125.00 + 2140.00	7.89	2175.00	8.46
	64QAM	2115.00 + 2125.00 + 2140.00	7.93	2175.00	8.38
	256QAM	2115.00 + 2125.00 + 2140.00	7.94	2175.00	8.43

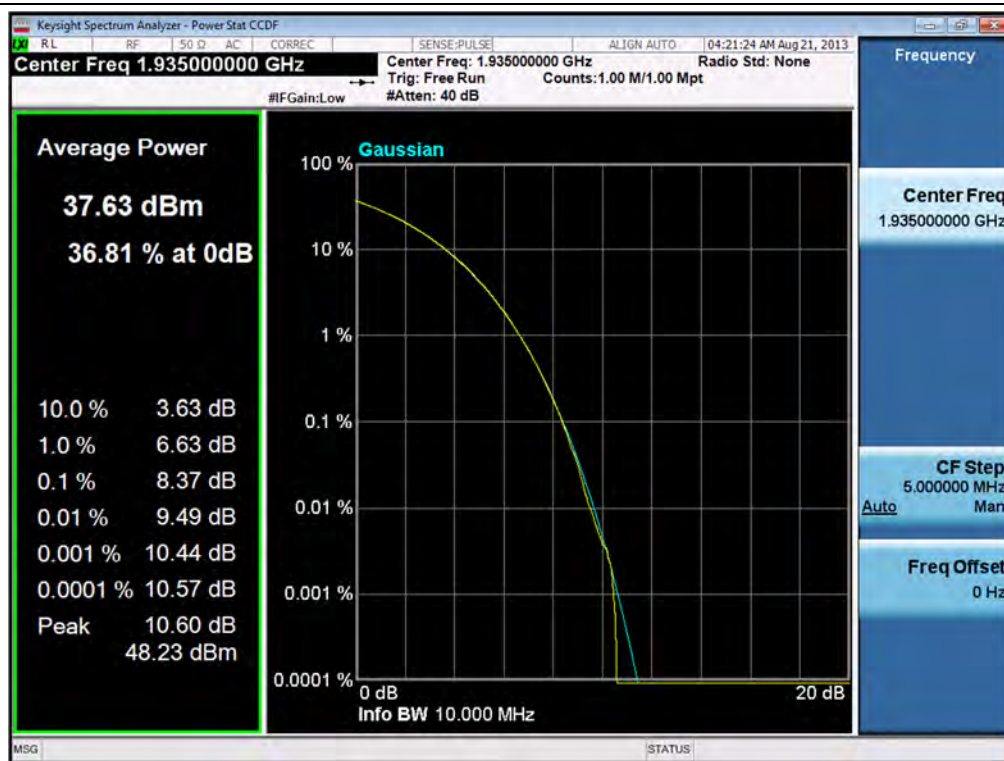
Port.	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
Port 9	QPSK	2115.00 + 2125.00 + 2140.00	7.91	2175.00	8.37
	16QAM	2115.00 + 2125.00 + 2140.00	7.86	2175.00	8.44
	64QAM	2115.00 + 2125.00 + 2140.00	7.90	2175.00	8.37
	256QAM	2115.00 + 2125.00 + 2140.00	7.91	2175.00	8.48
Port 10	QPSK	2115.00 + 2125.00 + 2140.00	7.89	2175.00	8.33
	16QAM	2115.00 + 2125.00 + 2140.00	7.88	2175.00	8.44
	64QAM	2115.00 + 2125.00 + 2140.00	7.91	2175.00	8.38
	256QAM	2115.00 + 2125.00 + 2140.00	7.93	2175.00	8.41
Port 11	QPSK	2115.00 + 2125.00 + 2140.00	7.95	2175.00	8.32
	16QAM	2115.00 + 2125.00 + 2140.00	7.90	2175.00	8.54
	64QAM	2115.00 + 2125.00 + 2140.00	7.92	2175.00	8.36
	256QAM	2115.00 + 2125.00 + 2140.00	7.93	2175.00	8.51
Port 12	QPSK	2115.00 + 2125.00 + 2140.00	7.91	2175.00	8.39
	16QAM	2115.00 + 2125.00 + 2140.00	7.88	2175.00	8.50
	64QAM	2115.00 + 2125.00 + 2140.00	7.91	2175.00	8.31
	256QAM	2115.00 + 2125.00 + 2140.00	7.86	2175.00	8.48
Port 13	QPSK	2115.00 + 2125.00 + 2140.00	7.86	2175.00	8.36
	16QAM	2115.00 + 2125.00 + 2140.00	7.87	2175.00	8.57
	64QAM	2115.00 + 2125.00 + 2140.00	7.89	2175.00	8.37
	256QAM	2115.00 + 2125.00 + 2140.00	7.88	2175.00	8.46
Port 14	QPSK	2115.00 + 2125.00 + 2140.00	7.93	2175.00	8.39
	16QAM	2115.00 + 2125.00 + 2140.00	7.87	2175.00	8.48
	64QAM	2115.00 + 2125.00 + 2140.00	7.90	2175.00	8.37
	256QAM	2115.00 + 2125.00 + 2140.00	7.90	2175.00	8.49
Port 15	QPSK	2115.00 + 2125.00 + 2140.00	7.94	2175.00	8.40
	16QAM	2115.00 + 2125.00 + 2140.00	7.88	2175.00	8.47
	64QAM	2115.00 + 2125.00 + 2140.00	7.91	2175.00	8.44
	256QAM	2115.00 + 2125.00 + 2140.00	7.91	2175.00	8.48
Port 16	QPSK	2115.00 + 2125.00 + 2140.00	7.94	2175.00	8.31
	16QAM	2115.00 + 2125.00 + 2140.00	7.90	2175.00	8.44
	64QAM	2115.00 + 2125.00 + 2140.00	7.94	2175.00	8.40
	256QAM	2115.00 + 2125.00 + 2140.00	7.94	2175.00	8.45

Plot Data of PAPR

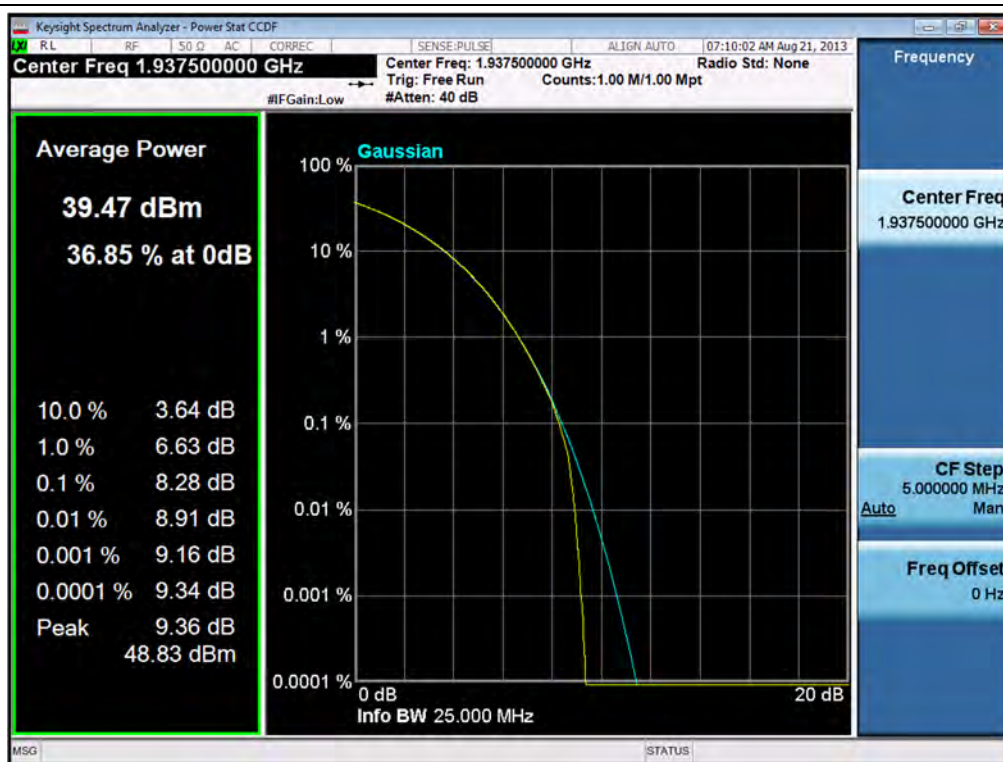
Port 8 / LTE Band 25 5 MHz 1 Carrier / 16QAM / Low



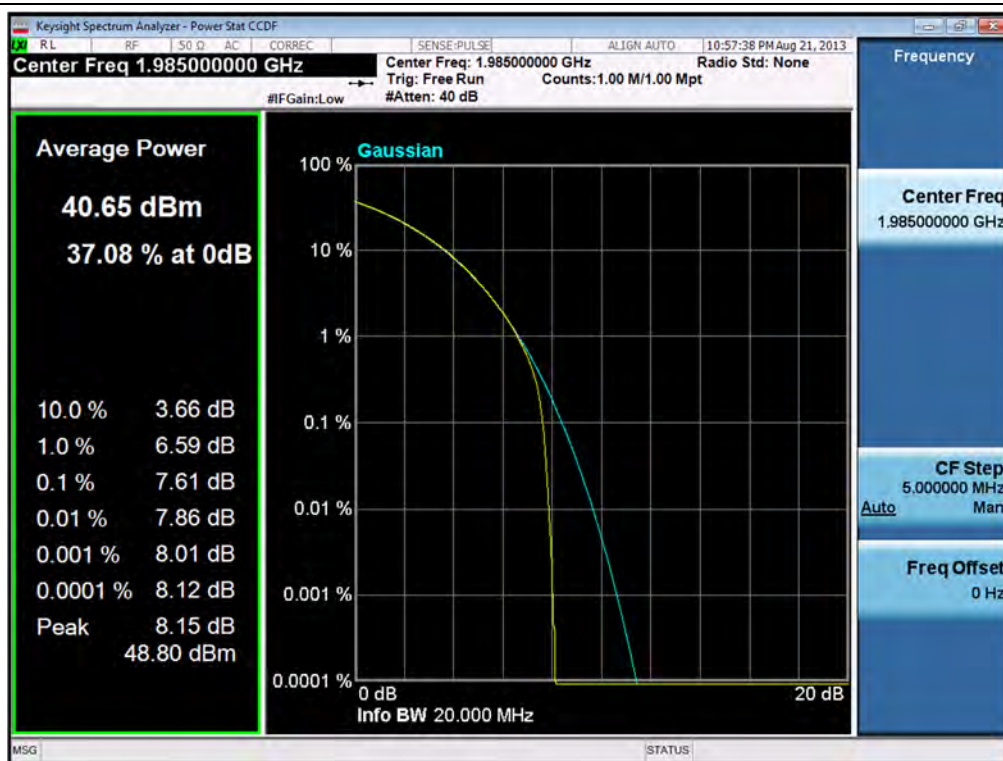
Port 13 / LTE Band 25 10 MHz 1 Carrier / 16QAM / Low



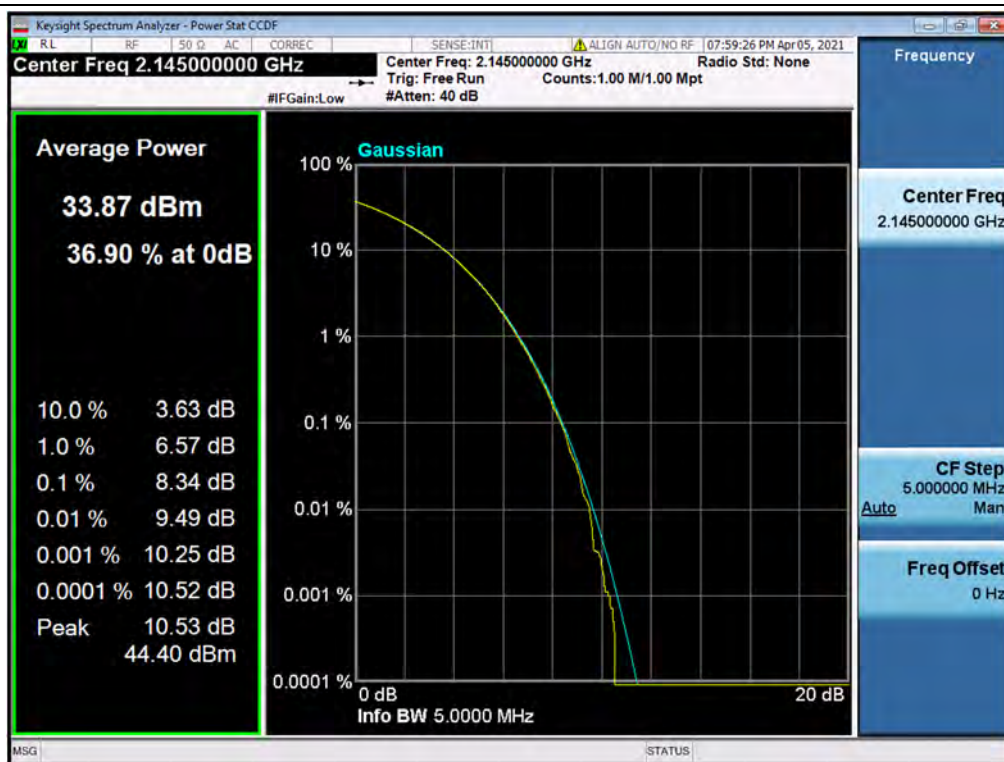
Port 7 / LTE Band 25 15 MHz 1 Carrier / 16QAM / Low



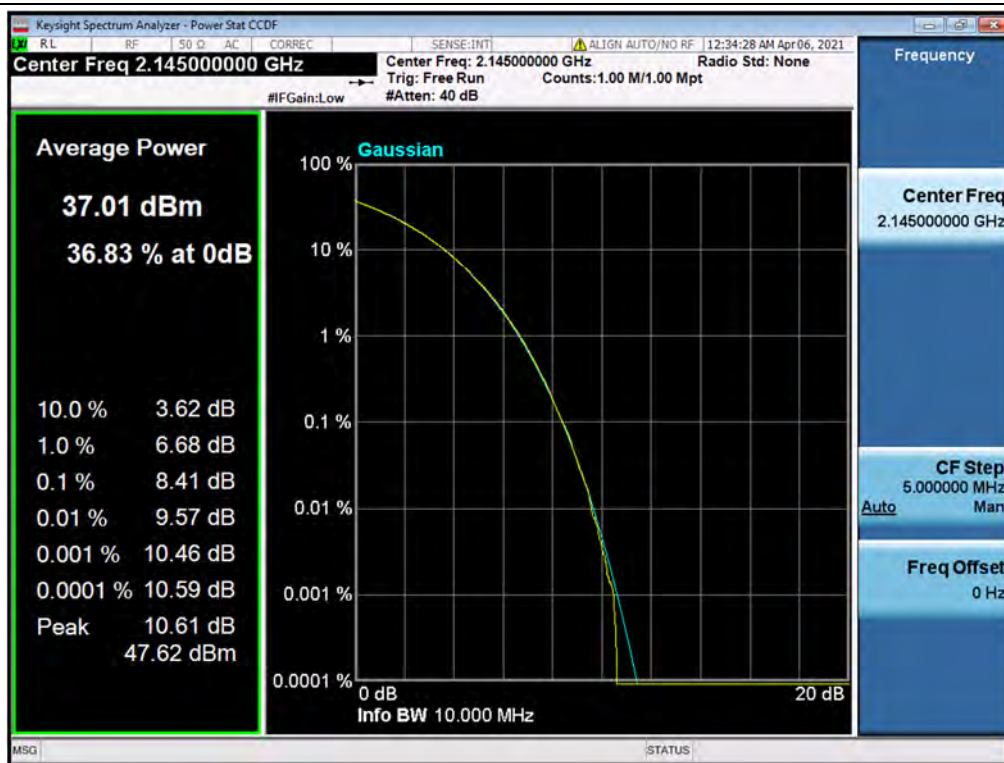
Port 13 / LTE Band 25 20 MHz 1 Carrier / 64QAM / High



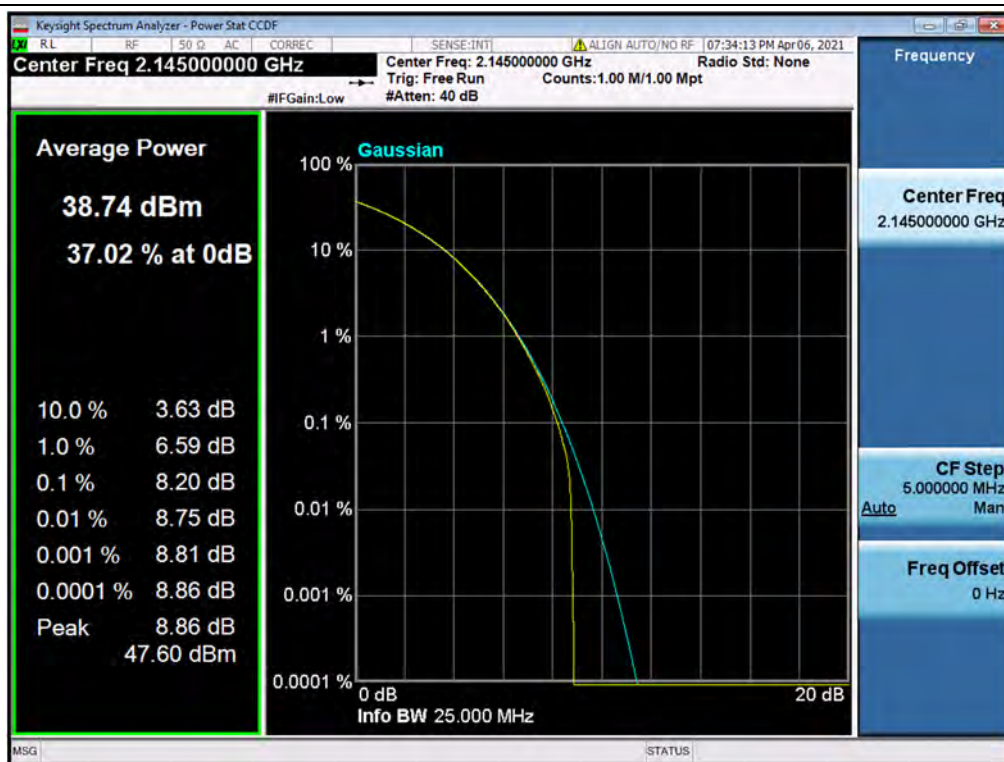
Port 8 / LTE Band 66 5 MHz 1 Carrier / 64QAM / Middle



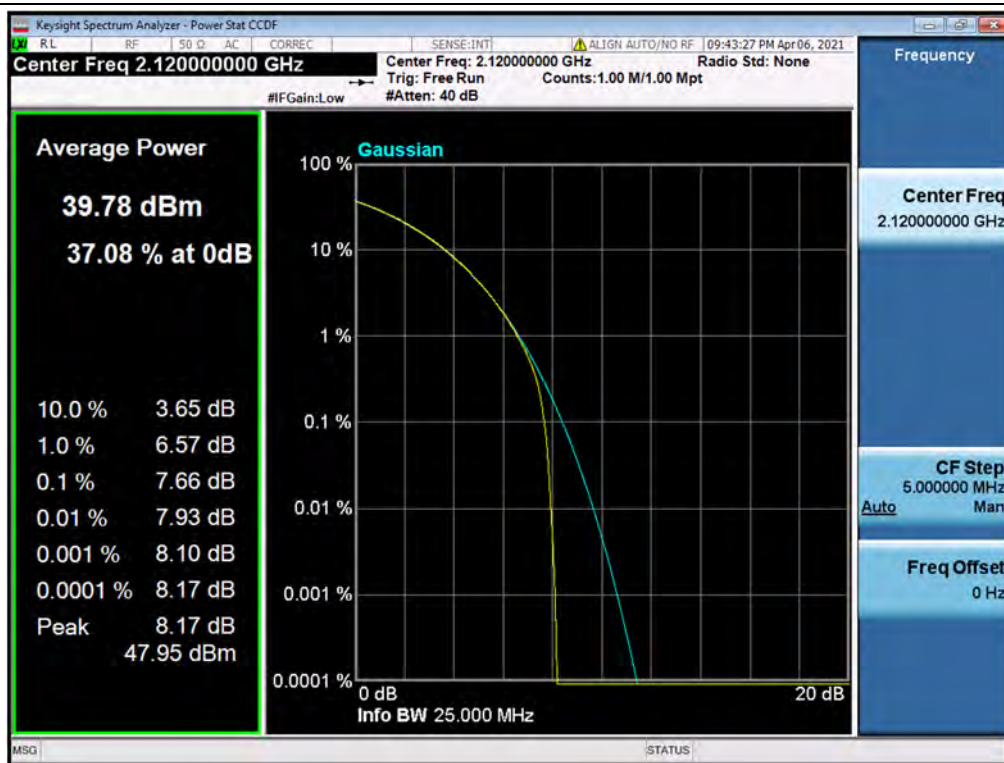
Port 8 / LTE Band 66 10 MHz 1 Carrier / 64QAM / Middle



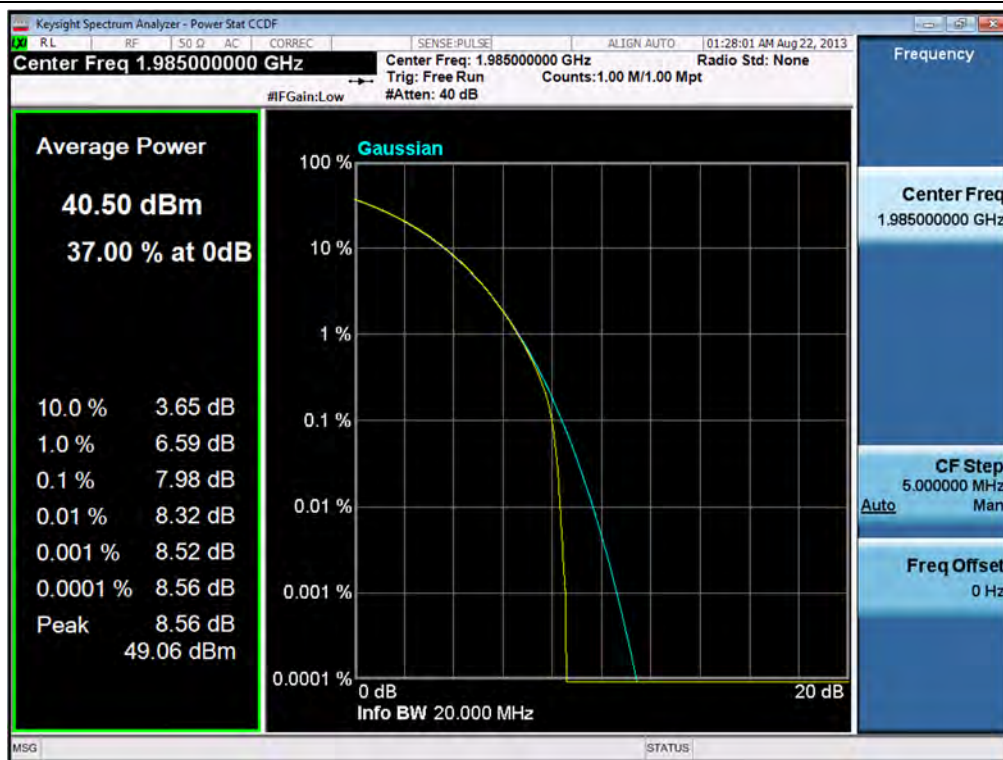
Port 8 / LTE Band 66 15 MHz 1 Carrier / 64QAM / Middle



Port 2 / LTE Band 66 20 MHz 1 Carrier / QPSK / Low



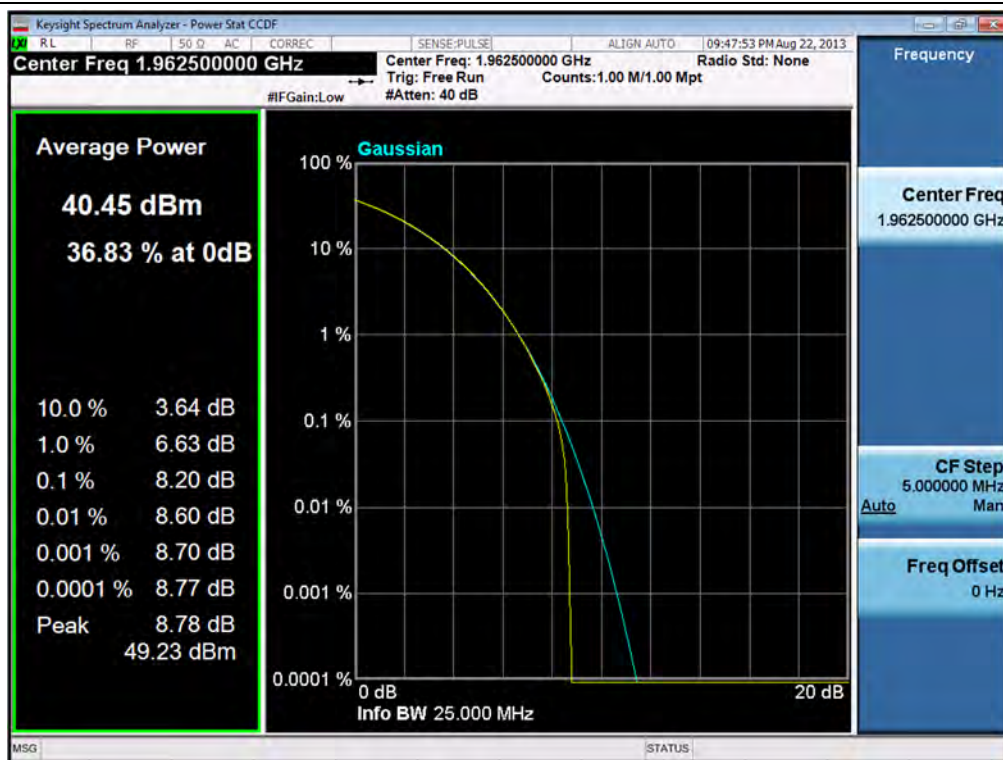
Port 13 / LTE Band 25 5 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier / 2 Carrier / 64QAM / High



Port 8 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier / 2 Carrier / 64QAM / Middle



Port 7 / LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier /
3 Carrier / 16QAM / Middle



Port 9 / LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier /
3 Carrier / 256QAM / High



Port 6 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier /
3 Carrier / QPSK / Low



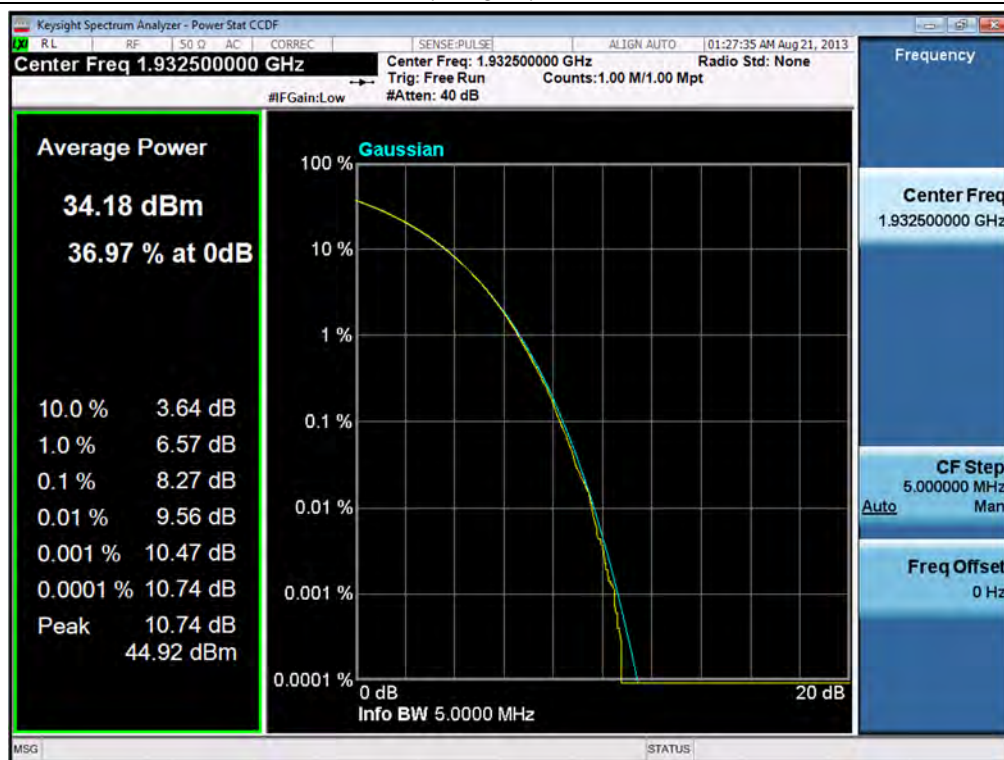
Port 6 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier /
3 Carrier / QPSK / Middle



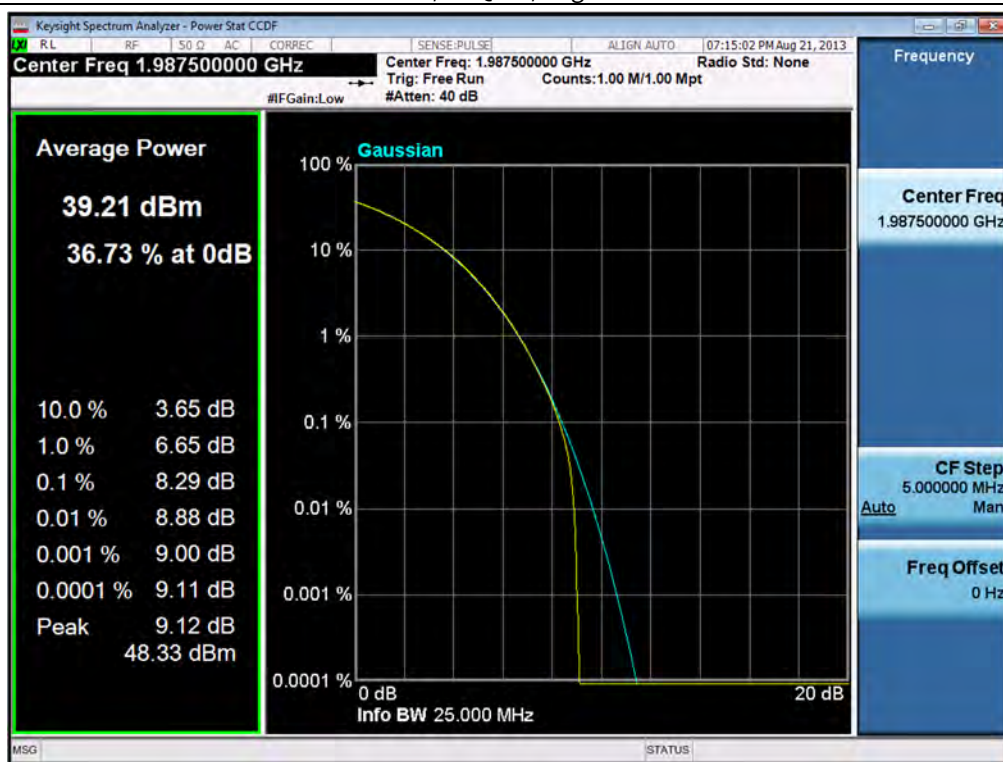
Port 3 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier
+ LTE Band 66 20 MHz 1 Carrier / 4 Carrier / QPSK / Low



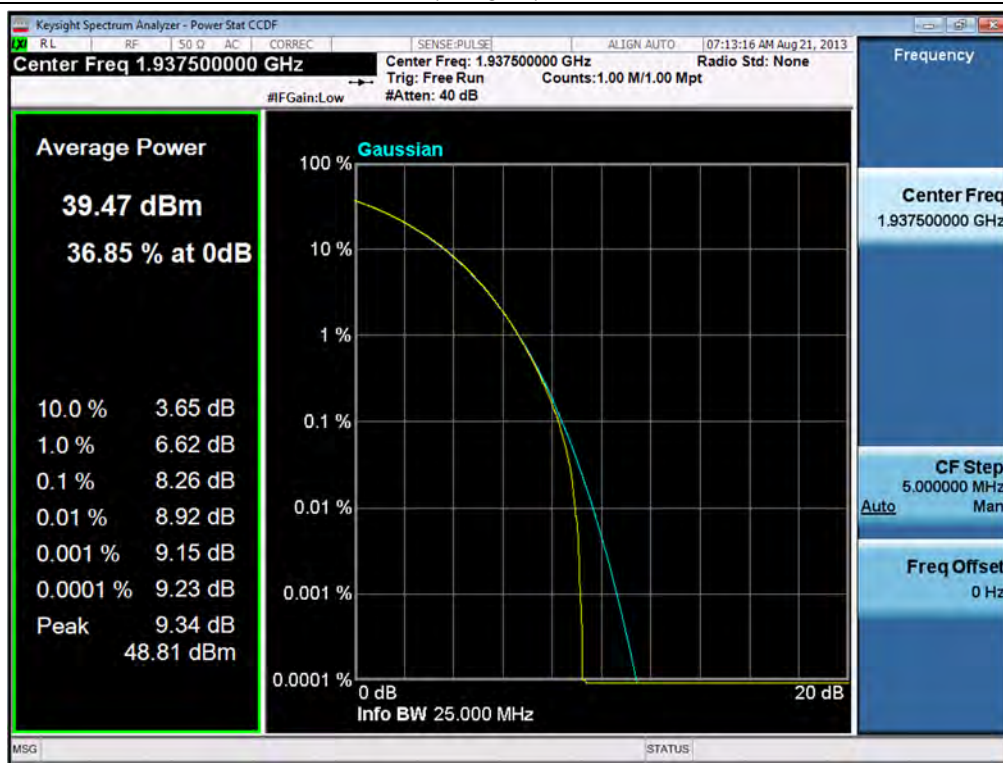
Port 13 / LTE Band 25 5 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier / 2 Carrier / [5 MHz] (Non-Contiguous)
/ 64QAM / Low



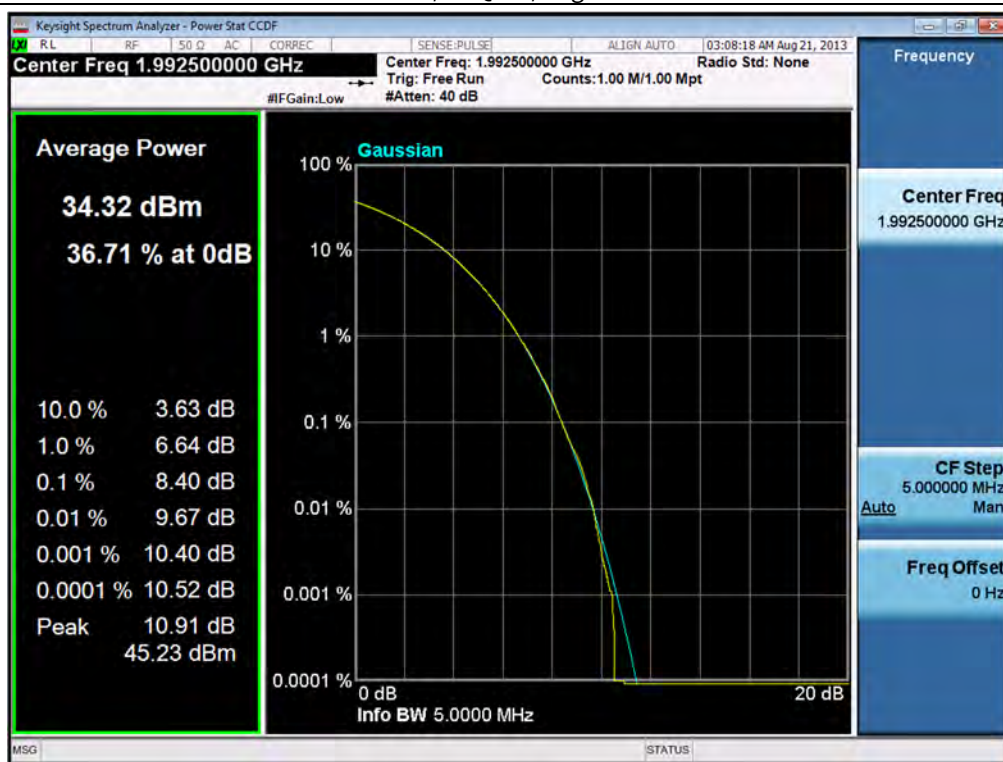
Port 13 / LTE Band 25 5 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier / 2 Carrier / [15 MHz] (Non-Contiguous)
/ 64QAM / High



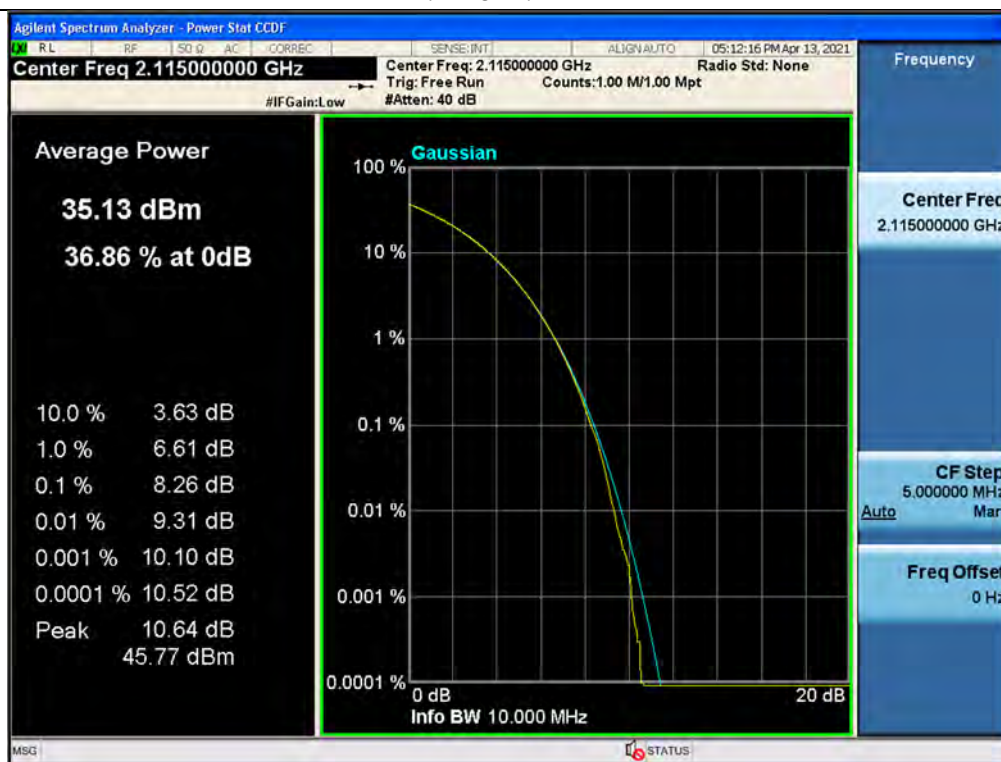
Port 13 / LTE Band 25 15 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier / 2 Carrier / [15 MHz] (Non-Contiguous)
/ 16QAM / Low



Port 13 / LTE Band 25 15 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier / 2 Carrier / [5 MHz] (Non-Contiguous)
/ 16QAM / High



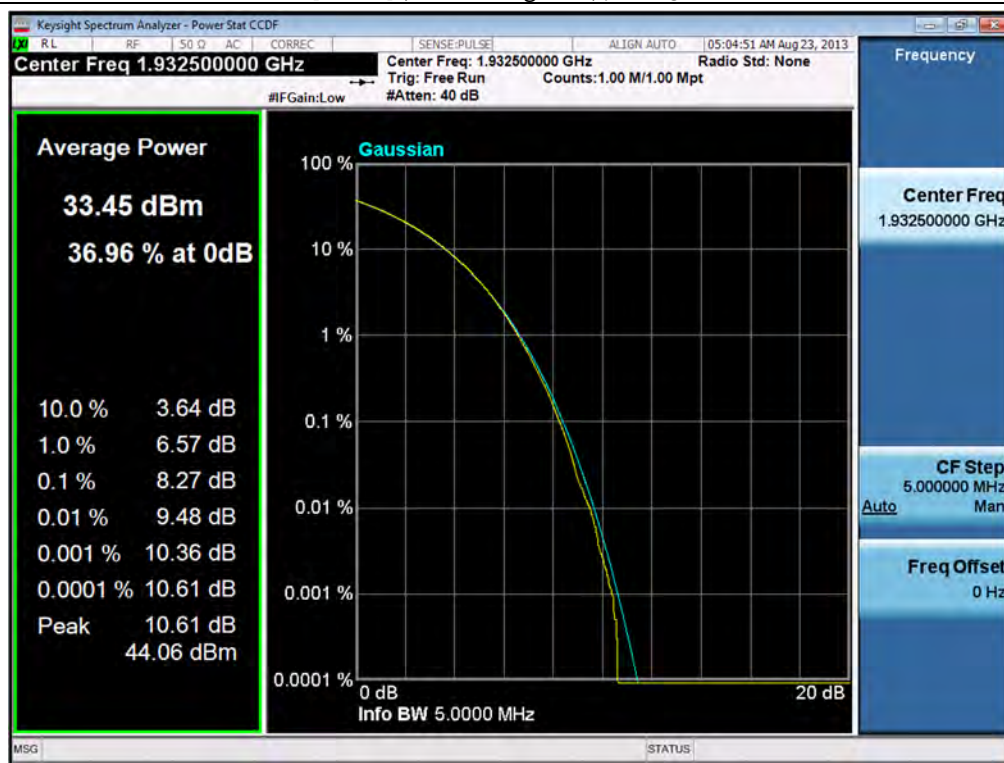
Port 6 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier / 2 Carrier / [10 MHz] (Non-Contiguous)
/ 64QAM / Low



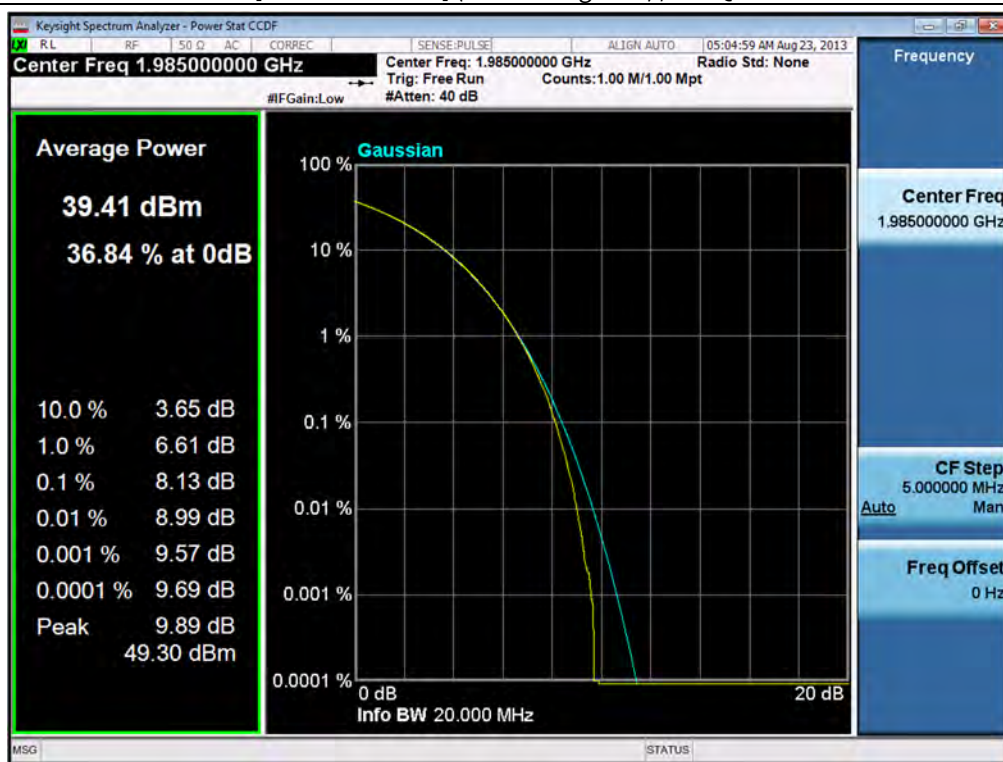
Port 6 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier / 2 Carrier / [20 MHz] (Non-Contiguous)
/ 64QAM / High



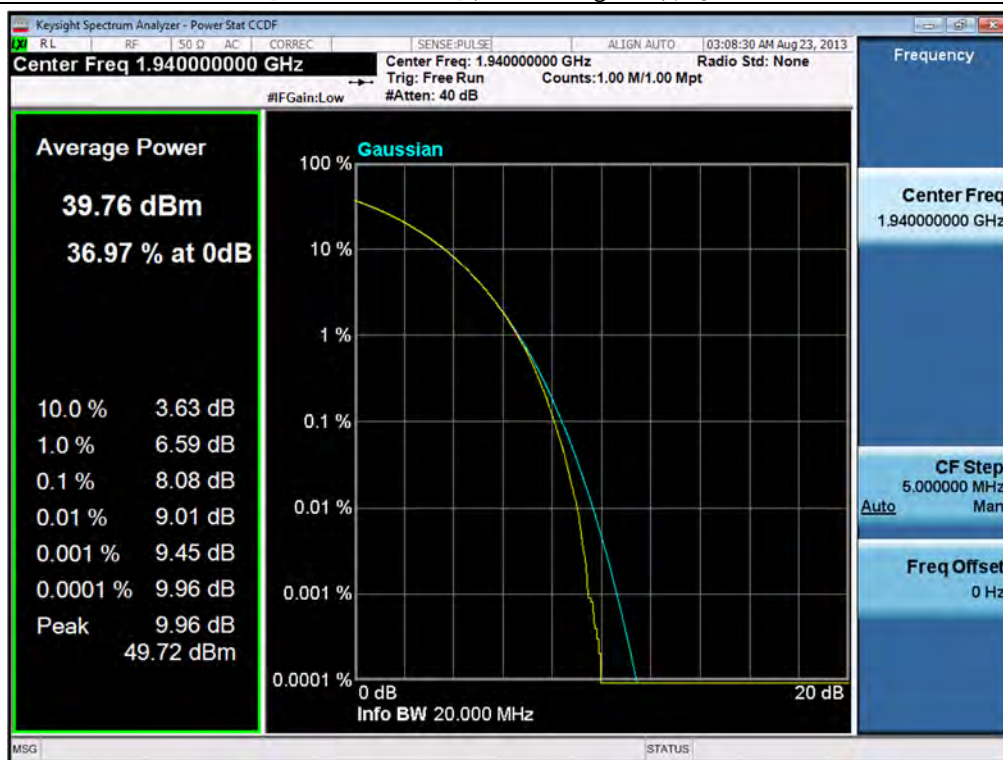
Port 15 / LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier / 3 Carrier /
[5 MHz] (Non-Contiguous) / 256QAM



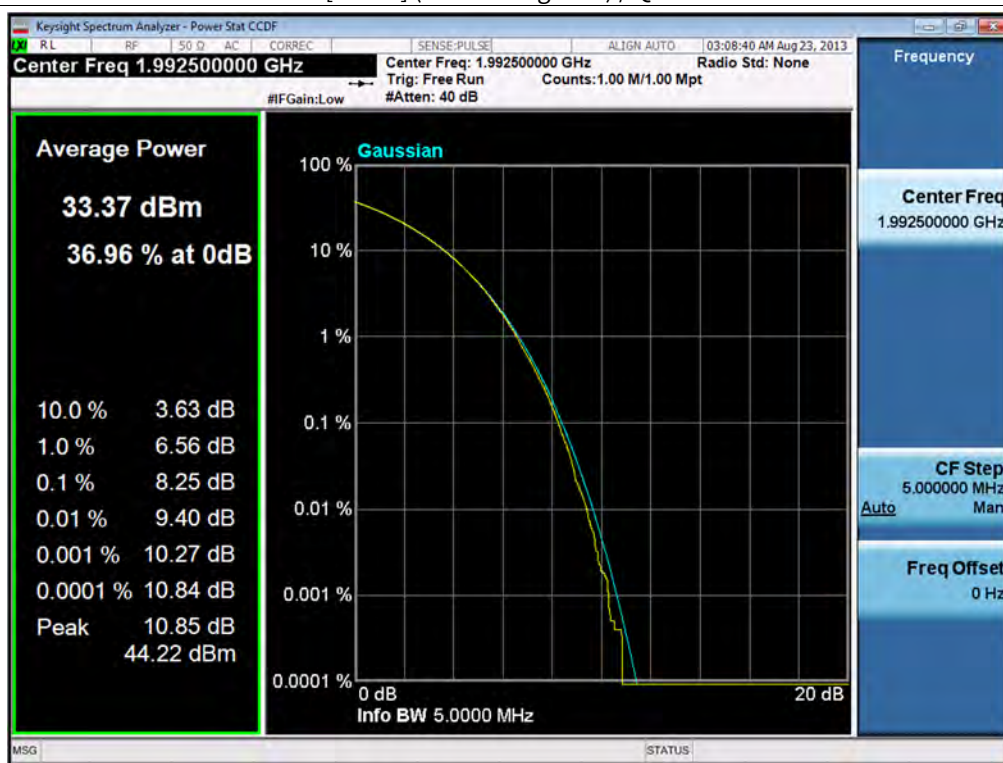
Port 15 / LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier / 3 Carrier / [10 MHz +10 MHz] (Non-Contiguous) / 256QAM



Port 15 / LTE Band 25 10 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier / 3 Carrier / [10 MHz +10 MHz] (Non-Contiguous) / QPSK



Port 15 / LTE Band 25 10 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier / 3 Carrier / [5 MHz] (Non-Contiguous) / QPSK



Port 13 / LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier / 3 Carrier / [5 MHz] (Non-Contiguous) / QPSK



Port 13 / LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier / 3 Carrier / [10 MHz + 15 MHz] (Non-Contiguous) / QPSK



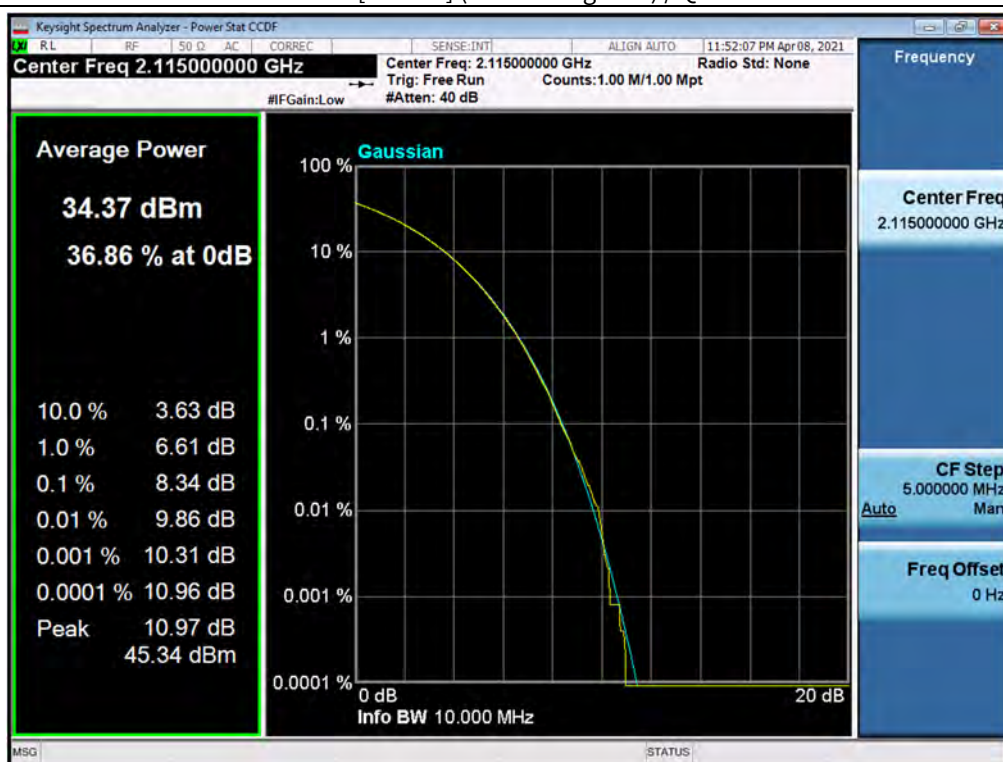
Port 13 / LTE Band 25 10 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier / 3 Carrier / [10 MHz + 15 MHz] (Non-Contiguous) / 16QAM



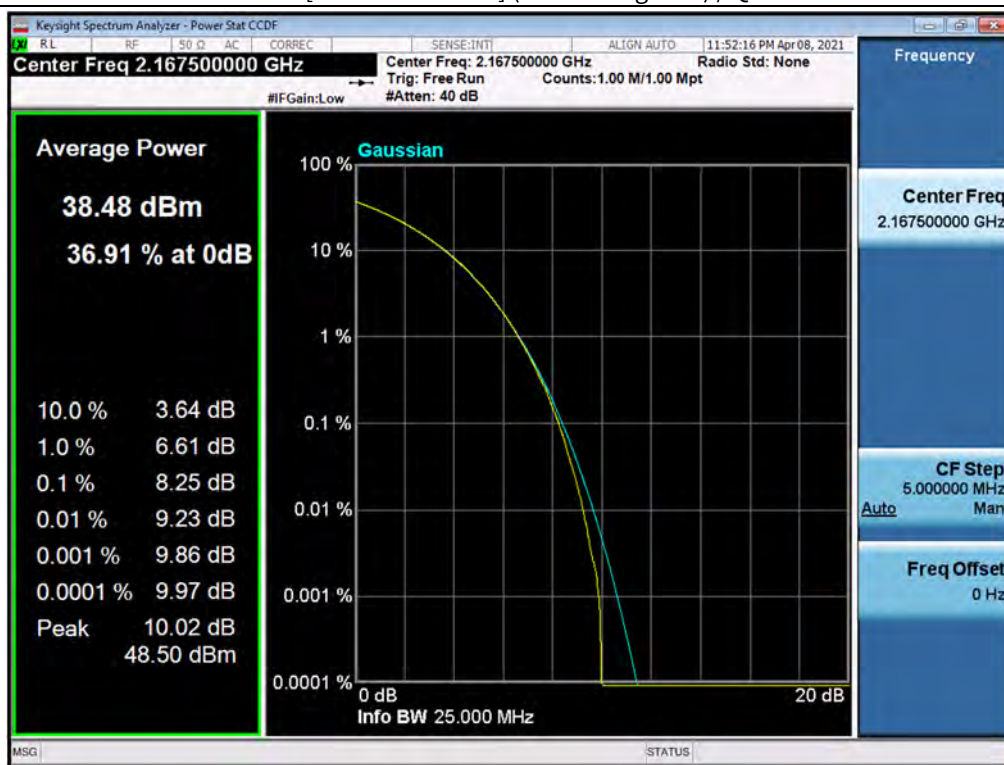
Port 13 / LTE Band 25 10 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier / 3 Carrier / [5 MHz] (Non-Contiguous) / 16QAM



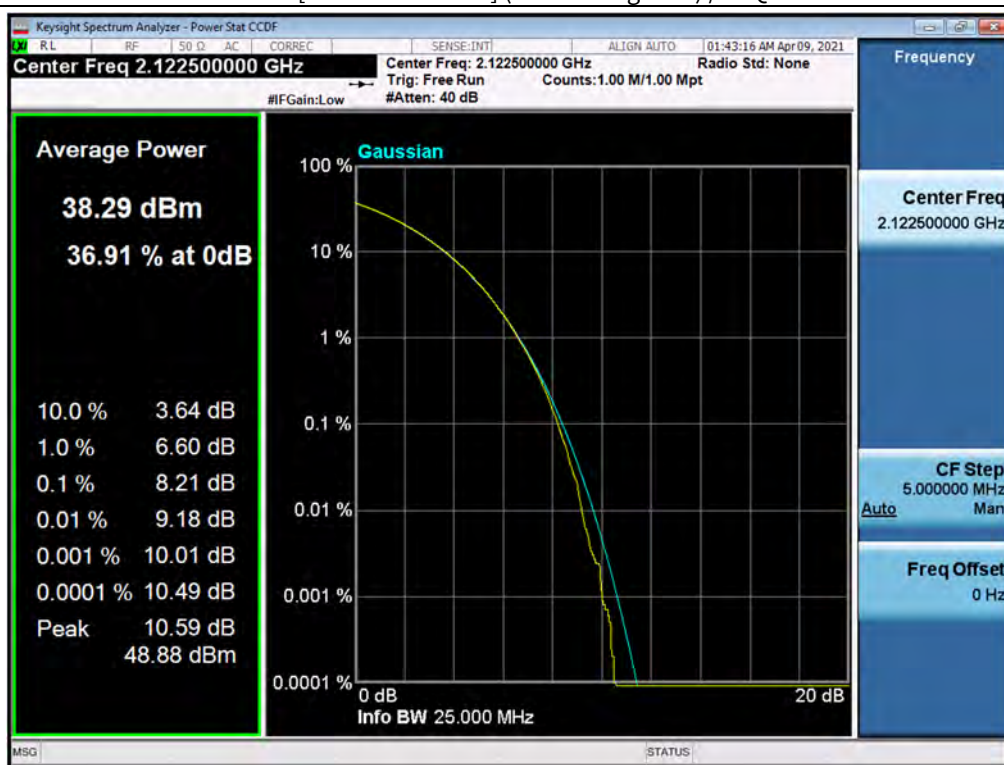
Port 1 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier / 3 Carrier / 1C+2C [15 MHz] (Non-Contiguous) / QPSK



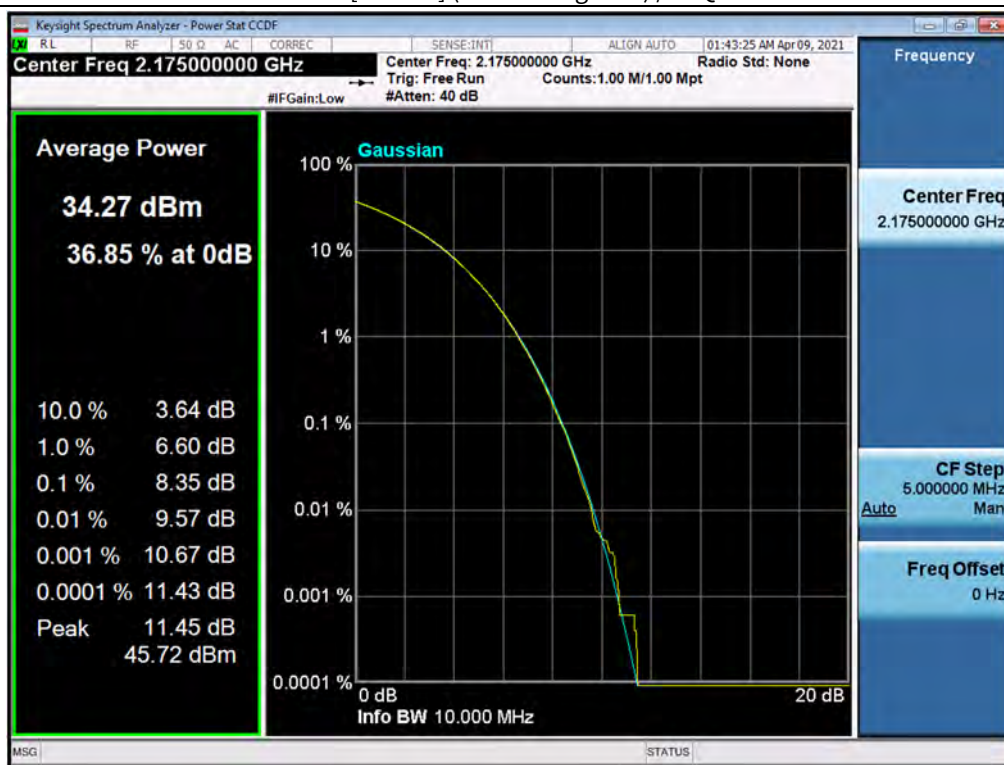
Port 1 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier / 3 Carrier / 1C+2C [10 MHz + 10 MHz] (Non-Contiguous) / QPSK



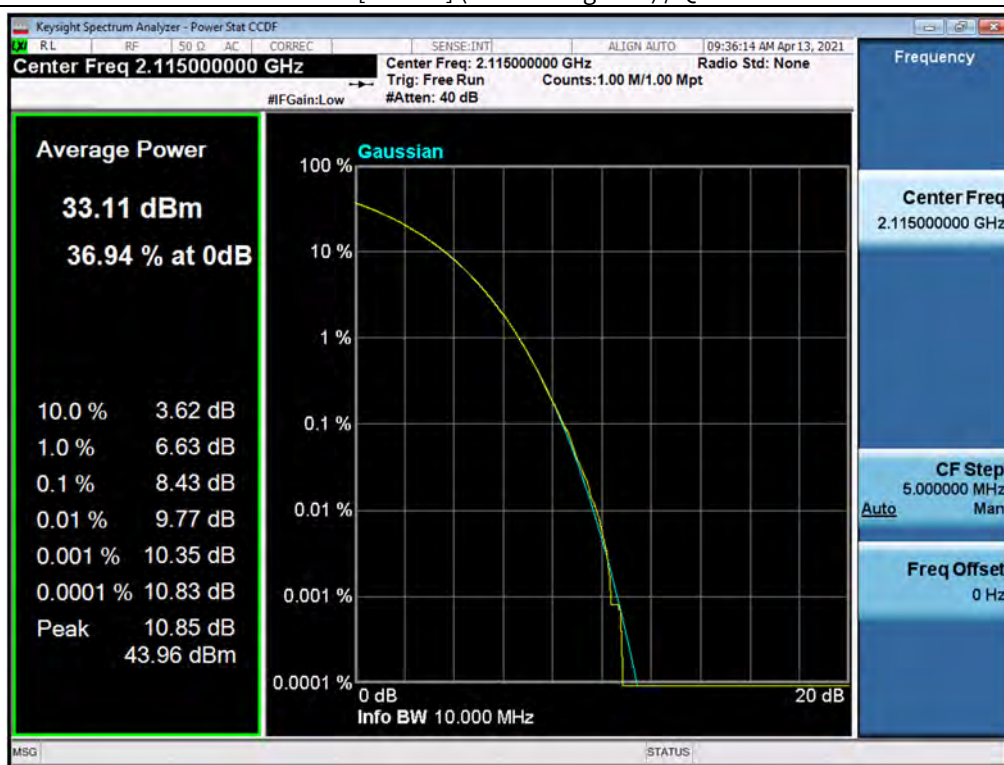
Port 8 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier / 3 Carrier / 2C+1C [10 MHz + 15 MHz] (Non-Contiguous) / 64QAM



Port 8 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier / 3 Carrier / 2C+1C [10 MHz] (Non-Contiguous) / 64QAM



Port 6 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier / 3 Carrier / 1C+2C [10 MHz] (Non-Contiguous) / QPSK



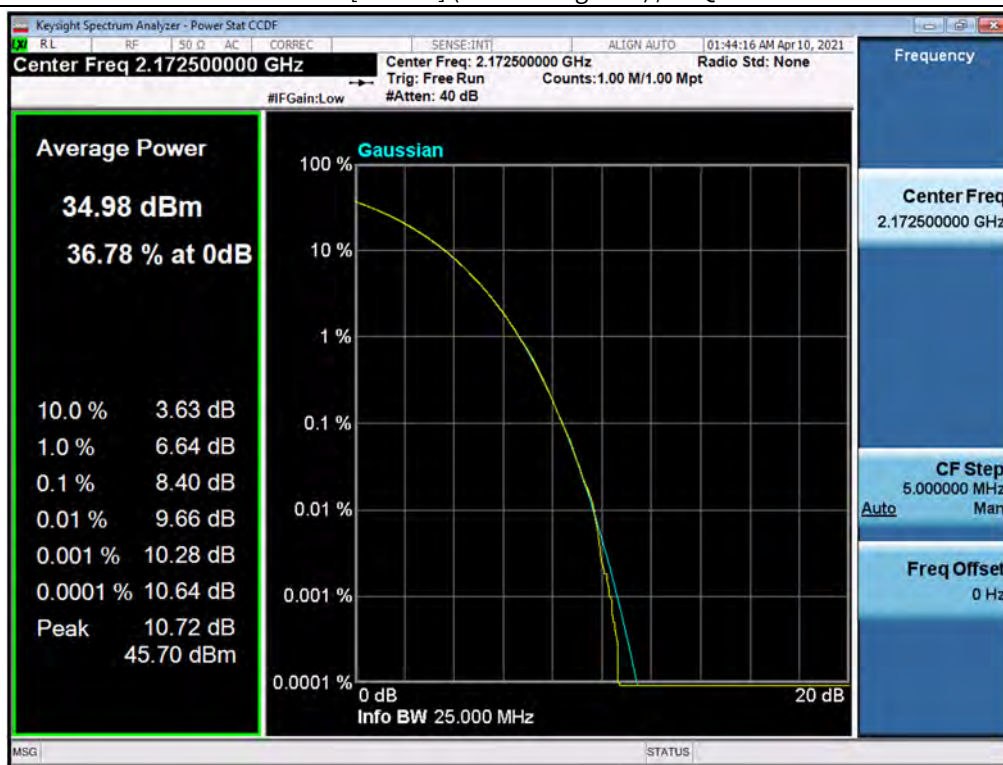
Port 6 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier / 3 Carrier / 1C+2C [15 MHz + 20 MHz] (Non-Contiguous) / QPSK



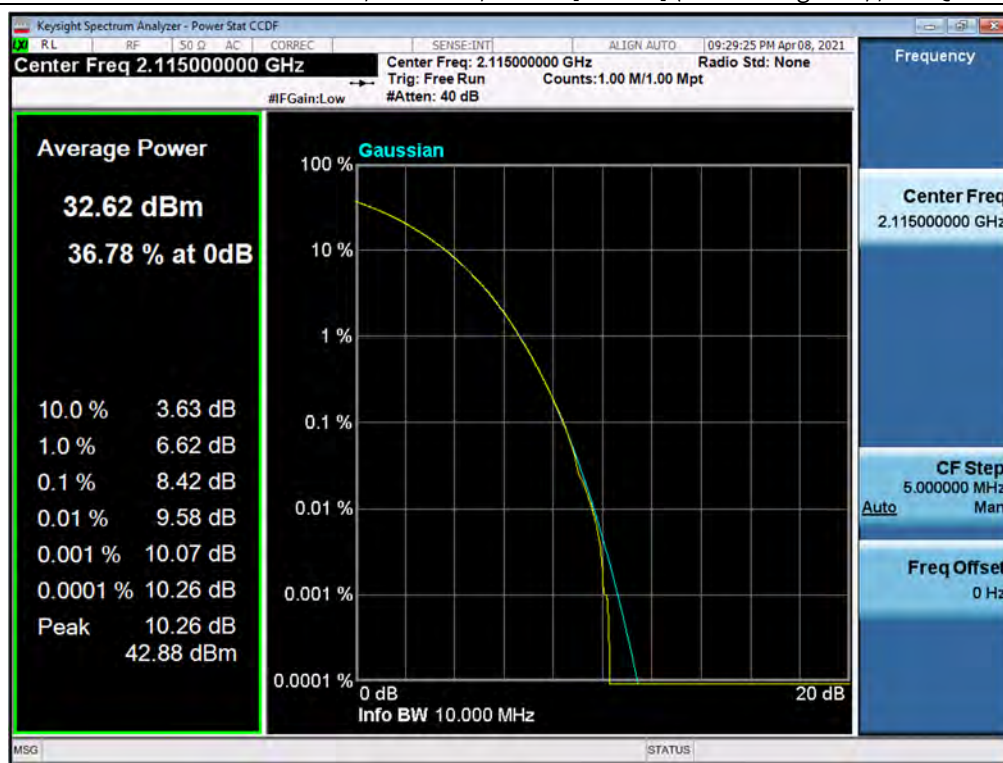
Port 8 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier / 3 Carrier / 2C+1C [10 MHz + 20 MHz] (Non-Contiguous) / 64QAM



Port 8 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier / 3 Carrier / 2C+1C [15 MHz] (Non-Contiguous) / 64QAM



Port 8 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier / 4 Carrier / 1C+3C [10 MHz] (Non-Contiguous) / 256QAM



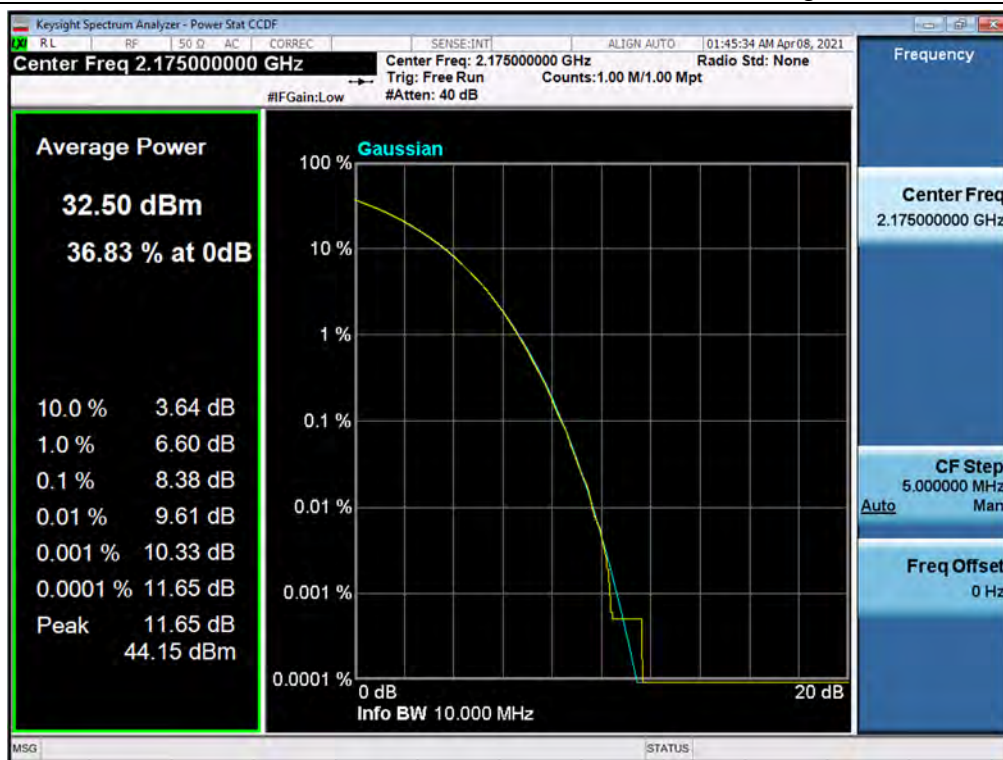
Port 8 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier +
LTE Band 66 20 MHz 1 Carrier / 4 Carrier / 1C+3C [10 MHz + 10 MHz + 20 MHz] (Non-Contiguous) / 256QAM



Port 8 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier +
LTE Band 66 20 MHz 1 Carrier / 4 Carrier / 3C+1C [10 MHz + 10 MHz + 20 MHz] (Non-Contiguous) / 64QAM



Port 8 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier +
LTE Band 66 20 MHz 1 Carrier / 4 Carrier / 3C+1C [10 MHz] (Non-Contiguous) / 64QAM



5.2. OCCUPIED BANDWIDTH

Test Requirements:

§ 2.1049 Measurements required: Occupied bandwidth.

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured under the specified conditions of § 2.1049 (a) through (i) as applicable.

Test Procedures:

The measurement is performed in accordance with Section 5.4.4 of ANSI C63.26.

5.4.4 Occupied bandwidth—Power bandwidth (99%) measurement procedure

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (typically a span of $1.5 \times \text{OBW}$ is sufficient).
- b) The nominal IF filter 3 dB bandwidth (RBW) shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\geq 3 \times \text{RBW}$.
- c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.
NOTE—Step a), step b), and step c) may require iteration to adjust within the specified tolerances.
- d) Set the detection mode to peak, and the trace mode to max-hold.
- e) If the instrument does not have a 99% OBW function, recover the trace data points and sum directly in linear power terms. Place the recovered amplitude data points, beginning at the lowest frequency, in a running sum until 0.5% of the total is reached. Record that frequency as the lower OBW frequency. Repeat the process until 99.5% of the total is reached and record that frequency as the upper OBW frequency. The 99% power OBW can be determined by computing the difference these two frequencies.
- f) The OBW shall be reported and plot(s) of the measuring instrument display shall be provided with the test report. The frequency and amplitude axis and scale shall be clearly labeled. Tabular data can be reported in addition to the plot(s).

Note:

The results of the Occupied Bandwidth test shown above the frequency measured values are very small and similar trend for each port, so we are attached only the worst case plot.

Test Results:
Tabular Data of Occupied Bandwidth

LTE Band 25 5 MHz 1 Carrier

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 1	QPSK	Low	1932.50	4.5161
		Middle	1962.50	4.5050
		High	1992.50	4.5017
	16QAM	Low	1932.50	4.4722
		Middle	1962.50	4.4831
		High	1992.50	4.4948
	64QAM	Low	1932.50	4.5190
		Middle	1962.50	4.5112
		High	1992.50	4.5172
	256QAM	Low	1932.50	4.5122
		Middle	1962.50	4.5038
		High	1992.50	4.5082
Port 2	QPSK	Low	1932.50	4.4998
		Middle	1962.50	4.5232
		High	1992.50	4.5088
	16QAM	Low	1932.50	4.4926
		Middle	1962.50	4.4944
		High	1992.50	4.5042
	64QAM	Low	1932.50	4.5147
		Middle	1962.50	4.5155
		High	1992.50	4.5149
	256QAM	Low	1932.50	4.5062
		Middle	1962.50	4.5178
		High	1992.50	4.5106

Port 3	QPSK	Low	1932.50	4.5274
		Middle	1962.50	4.5138
		High	1992.50	4.5045
	16QAM	Low	1932.50	4.4864
		Middle	1962.50	4.5025
		High	1992.50	4.4919
	64QAM	Low	1932.50	4.5082
		Middle	1962.50	4.5199
		High	1992.50	4.5144
	256QAM	Low	1932.50	4.5102
		Middle	1962.50	4.5026
		High	1992.50	4.5215
Port 4	QPSK	Low	1932.50	4.5179
		Middle	1962.50	4.5206
		High	1992.50	4.5262
	16QAM	Low	1932.50	4.5012
		Middle	1962.50	4.4815
		High	1992.50	4.4903
	64QAM	Low	1932.50	4.5244
		Middle	1962.50	4.5076
		High	1992.50	4.5151
	256QAM	Low	1932.50	4.5100
		Middle	1962.50	4.5079
		High	1992.50	4.5086
Port 5	QPSK	Low	1932.50	4.5227
		Middle	1962.50	4.5046
		High	1992.50	4.5069
	16QAM	Low	1932.50	4.4777
		Middle	1962.50	4.4913
		High	1992.50	4.5005
	64QAM	Low	1932.50	4.5157
		Middle	1962.50	4.5063
		High	1992.50	4.5234
	256QAM	Low	1932.50	4.5294
		Middle	1962.50	4.5148
		High	1992.50	4.5168

Port 6	QPSK	Low	1932.50	4.5175
		Middle	1962.50	4.5133
		High	1992.50	4.5214
	16QAM	Low	1932.50	4.4791
		Middle	1962.50	4.4813
		High	1992.50	4.5025
	64QAM	Low	1932.50	4.5145
		Middle	1962.50	4.5123
		High	1992.50	4.5093
	256QAM	Low	1932.50	4.5225
		Middle	1962.50	4.4966
		High	1992.50	4.5368
Port 7	QPSK	Low	1932.50	4.5123
		Middle	1962.50	4.5225
		High	1992.50	4.5153
	16QAM	Low	1932.50	4.5101
		Middle	1962.50	4.4925
		High	1992.50	4.4920
	64QAM	Low	1932.50	4.5140
		Middle	1962.50	4.5037
		High	1992.50	4.5093
	256QAM	Low	1932.50	4.5167
		Middle	1962.50	4.5151
		High	1992.50	4.5161
Port 8	QPSK	Low	1932.50	4.5119
		Middle	1962.50	4.5133
		High	1992.50	4.5243
	16QAM	Low	1932.50	4.4876
		Middle	1962.50	4.4798
		High	1992.50	4.4970
	64QAM	Low	1932.50	4.5105
		Middle	1962.50	4.5053
		High	1992.50	4.5075
	256QAM	Low	1932.50	4.5089
		Middle	1962.50	4.5022
		High	1992.50	4.5158

Port 9	QPSK	Low	1932.50	4.5051
		Middle	1962.50	4.5016
		High	1992.50	4.5313
	16QAM	Low	1932.50	4.5008
		Middle	1962.50	4.4972
		High	1992.50	4.5025
	64QAM	Low	1932.50	4.5118
		Middle	1962.50	4.5060
		High	1992.50	4.5213
	256QAM	Low	1932.50	4.5109
		Middle	1962.50	4.5174
		High	1992.50	4.5122
Port 10	QPSK	Low	1932.50	4.5074
		Middle	1962.50	4.5034
		High	1992.50	4.5250
	16QAM	Low	1932.50	4.4994
		Middle	1962.50	4.5050
		High	1992.50	4.5093
	64QAM	Low	1932.50	4.5281
		Middle	1962.50	4.4998
		High	1992.50	4.5244
	256QAM	Low	1932.50	4.5138
		Middle	1962.50	4.5161
		High	1992.50	4.5136
Port 11	QPSK	Low	1932.50	4.5036
		Middle	1962.50	4.5020
		High	1992.50	4.5323
	16QAM	Low	1932.50	4.4789
		Middle	1962.50	4.5031
		High	1992.50	4.4949
	64QAM	Low	1932.50	4.5372
		Middle	1962.50	4.5110
		High	1992.50	4.5148
	256QAM	Low	1932.50	4.4997
		Middle	1962.50	4.5007
		High	1992.50	4.5211

Port 12	QPSK	Low	1932.50	4.4928
		Middle	1962.50	4.5135
		High	1992.50	4.5087
	16QAM	Low	1932.50	4.5046
		Middle	1962.50	4.4923
		High	1992.50	4.4863
	64QAM	Low	1932.50	4.5092
		Middle	1962.50	4.5111
		High	1992.50	4.5118
	256QAM	Low	1932.50	4.5210
		Middle	1962.50	4.5131
		High	1992.50	4.5098
Port 13	QPSK	Low	1932.50	4.5266
		Middle	1962.50	4.5176
		High	1992.50	4.5241
	16QAM	Low	1932.50	4.4971
		Middle	1962.50	4.4812
		High	1992.50	4.5013
	64QAM	Low	1932.50	4.5265
		Middle	1962.50	4.5177
		High	1992.50	4.5120
	256QAM	Low	1932.50	4.5201
		Middle	1962.50	4.5134
		High	1992.50	4.5071
Port 14	QPSK	Low	1932.50	4.5106
		Middle	1962.50	4.5172
		High	1992.50	4.5159
	16QAM	Low	1932.50	4.4647
		Middle	1962.50	4.5031
		High	1992.50	4.5182
	64QAM	Low	1932.50	4.5067
		Middle	1962.50	4.5130
		High	1992.50	4.5140
	256QAM	Low	1932.50	4.5096
		Middle	1962.50	4.5185
		High	1992.50	4.5233

Port 15	QPSK	Low	1932.50	4.5162
		Middle	1962.50	4.5130
		High	1992.50	4.5213
	16QAM	Low	1932.50	4.5029
		Middle	1962.50	4.5056
		High	1992.50	4.4890
	64QAM	Low	1932.50	4.5246
		Middle	1962.50	4.5088
		High	1992.50	4.5418
	256QAM	Low	1932.50	4.5158
		Middle	1962.50	4.5059
		High	1992.50	4.5281
Port 16	QPSK	Low	1932.50	4.5016
		Middle	1962.50	4.5155
		High	1992.50	4.5092
	16QAM	Low	1932.50	4.4920
		Middle	1962.50	4.4856
		High	1992.50	4.4981
	64QAM	Low	1932.50	4.5116
		Middle	1962.50	4.5039
		High	1992.50	4.5132
	256QAM	Low	1932.50	4.5076
		Middle	1962.50	4.5082
		High	1992.50	4.5175

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Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 1	QPSK	Low	1935.00	8.9811
		Middle	1962.50	9.0050
		High	1990.00	9.0026
	16QAM	Low	1935.00	8.9870
		Middle	1962.50	9.0263
		High	1990.00	9.0298
	64QAM	Low	1935.00	9.0070
		Middle	1962.50	8.9953
		High	1990.00	9.0150
	256QAM	Low	1935.00	8.9953
		Middle	1962.50	9.0317
		High	1990.00	9.0149
Port 2	QPSK	Low	1935.00	9.0021
		Middle	1962.50	9.0200
		High	1990.00	8.9906
	16QAM	Low	1935.00	8.9999
		Middle	1962.50	8.9829
		High	1990.00	9.0058
	64QAM	Low	1935.00	9.0111
		Middle	1962.50	9.0157
		High	1990.00	9.0104
	256QAM	Low	1935.00	8.9993
		Middle	1962.50	8.9711
		High	1990.00	8.9952
Port 3	QPSK	Low	1935.00	8.9932
		Middle	1962.50	8.9889
		High	1990.00	8.9975
	16QAM	Low	1935.00	9.0063
		Middle	1962.50	8.9929
		High	1990.00	9.0023
	64QAM	Low	1935.00	9.0042
		Middle	1962.50	8.9953
		High	1990.00	8.9935
	256QAM	Low	1935.00	9.0337
		Middle	1962.50	9.0005
		High	1990.00	8.9967

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 4	QPSK	Low	1935.00	8.9758
		Middle	1962.50	8.9858
		High	1990.00	8.9971
	16QAM	Low	1935.00	8.9737
		Middle	1962.50	9.0188
		High	1990.00	8.9864
	64QAM	Low	1935.00	9.0072
		Middle	1962.50	8.9932
		High	1990.00	8.9822
	256QAM	Low	1935.00	9.0126
		Middle	1962.50	8.9973
		High	1990.00	8.9929
Port 5	QPSK	Low	1935.00	8.9806
		Middle	1962.50	9.0097
		High	1990.00	9.0298
	16QAM	Low	1935.00	8.9691
		Middle	1962.50	8.9949
		High	1990.00	8.9941
	64QAM	Low	1935.00	8.9970
		Middle	1962.50	8.9902
		High	1990.00	8.9926
	256QAM	Low	1935.00	8.9747
		Middle	1962.50	8.9955
		High	1990.00	9.0068
Port 6	QPSK	Low	1935.00	9.0019
		Middle	1962.50	8.9982
		High	1990.00	9.0243
	16QAM	Low	1935.00	9.0289
		Middle	1962.50	8.9949
		High	1990.00	9.0400
	64QAM	Low	1935.00	9.0064
		Middle	1962.50	8.9944
		High	1990.00	9.0009
	256QAM	Low	1935.00	8.9937
		Middle	1962.50	9.0175
		High	1990.00	9.0230

Port 7	QPSK	Low	1935.00	8.9845
		Middle	1962.50	8.9957
		High	1990.00	9.0119
	16QAM	Low	1935.00	9.0122
		Middle	1962.50	8.9652
		High	1990.00	8.9874
	64QAM	Low	1935.00	8.9918
		Middle	1962.50	9.0055
		High	1990.00	8.9833
	256QAM	Low	1935.00	9.0215
		Middle	1962.50	9.0054
		High	1990.00	9.0091
Port 8	QPSK	Low	1935.00	9.0008
		Middle	1962.50	9.0099
		High	1990.00	8.9981
	16QAM	Low	1935.00	8.9885
		Middle	1962.50	9.0057
		High	1990.00	9.0076
	64QAM	Low	1935.00	8.9683
		Middle	1962.50	8.9929
		High	1990.00	9.0144
	256QAM	Low	1935.00	8.9712
		Middle	1962.50	8.9977
		High	1990.00	9.0067
Port 9	QPSK	Low	1935.00	8.9591
		Middle	1962.50	8.9877
		High	1990.00	8.9788
	16QAM	Low	1935.00	8.9744
		Middle	1962.50	9.0159
		High	1990.00	8.9997
	64QAM	Low	1935.00	8.9919
		Middle	1962.50	8.9899
		High	1990.00	8.9997
	256QAM	Low	1935.00	8.9923
		Middle	1962.50	8.9919
		High	1990.00	9.0091

Port 10	QPSK	Low	1935.00	8.9856
		Middle	1962.50	9.0244
		High	1990.00	8.9915
	16QAM	Low	1935.00	9.0062
		Middle	1962.50	8.9946
		High	1990.00	9.0056
	64QAM	Low	1935.00	8.9859
		Middle	1962.50	9.0076
		High	1990.00	8.9984
	256QAM	Low	1935.00	9.0029
		Middle	1962.50	9.0096
		High	1990.00	8.9995
Port 11	QPSK	Low	1935.00	9.0147
		Middle	1962.50	9.0131
		High	1990.00	9.0085
	16QAM	Low	1935.00	9.0226
		Middle	1962.50	9.0485
		High	1990.00	8.9914
	64QAM	Low	1935.00	8.9882
		Middle	1962.50	8.9836
		High	1990.00	8.9911
	256QAM	Low	1935.00	8.9959
		Middle	1962.50	8.9995
		High	1990.00	9.0195
Port 12	QPSK	Low	1935.00	8.9982
		Middle	1962.50	9.0211
		High	1990.00	8.9982
	16QAM	Low	1935.00	9.0021
		Middle	1962.50	8.9843
		High	1990.00	8.9756
	64QAM	Low	1935.00	8.9884
		Middle	1962.50	9.0201
		High	1990.00	9.0118
	256QAM	Low	1935.00	8.9952
		Middle	1962.50	8.9956
		High	1990.00	8.9787

Port 13	QPSK	Low	1935.00	8.9873
		Middle	1962.50	8.9961
		High	1990.00	9.0081
	16QAM	Low	1935.00	9.0376
		Middle	1962.50	9.0230
		High	1990.00	9.0012
	64QAM	Low	1935.00	9.0006
		Middle	1962.50	8.9900
		High	1990.00	9.0034
	256QAM	Low	1935.00	8.9937
		Middle	1962.50	9.0082
		High	1990.00	8.9902
Port 14	QPSK	Low	1935.00	9.0003
		Middle	1962.50	9.0167
		High	1990.00	8.9846
	16QAM	Low	1935.00	9.0246
		Middle	1962.50	9.0121
		High	1990.00	9.0102
	64QAM	Low	1935.00	9.0022
		Middle	1962.50	9.0119
		High	1990.00	8.9965
	256QAM	Low	1935.00	8.9933
		Middle	1962.50	9.0067
		High	1990.00	8.9894
Port 15	QPSK	Low	1935.00	8.9859
		Middle	1962.50	8.9865
		High	1990.00	8.9857
	16QAM	Low	1935.00	9.0130
		Middle	1962.50	9.0233
		High	1990.00	9.0323
	64QAM	Low	1935.00	9.0075
		Middle	1962.50	8.9946
		High	1990.00	8.9958
	256QAM	Low	1935.00	8.9937
		Middle	1962.50	9.0056
		High	1990.00	9.0075

Port 16	QPSK	Low	1935.00	8.9921
		Middle	1962.50	9.0107
		High	1990.00	9.0040
	16QAM	Low	1935.00	9.0031
		Middle	1962.50	9.0120
		High	1990.00	8.9913
	64QAM	Low	1935.00	8.9951
		Middle	1962.50	9.0078
		High	1990.00	9.0214
	256QAM	Low	1935.00	8.9889
		Middle	1962.50	8.9870
		High	1990.00	9.0103

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Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 1	QPSK	Low	1937.50	13.458
		Middle	1962.50	13.519
		High	1987.50	13.466
	16QAM	Low	1937.50	13.536
		Middle	1962.50	13.559
		High	1987.50	13.549
	64QAM	Low	1937.50	13.461
		Middle	1962.50	13.446
		High	1987.50	13.441
	256QAM	Low	1937.50	13.481
		Middle	1962.50	13.453
		High	1987.50	13.450
Port 2	QPSK	Low	1937.50	13.455
		Middle	1962.50	13.547
		High	1987.50	13.430
	16QAM	Low	1937.50	13.541
		Middle	1962.50	13.554
		High	1987.50	13.523
	64QAM	Low	1937.50	13.431
		Middle	1962.50	13.463
		High	1987.50	13.422
	256QAM	Low	1937.50	13.432
		Middle	1962.50	13.443
		High	1987.50	13.474
Port 3	QPSK	Low	1937.50	13.481
		Middle	1962.50	13.506
		High	1987.50	13.458
	16QAM	Low	1937.50	13.556
		Middle	1962.50	13.529
		High	1987.50	13.528
	64QAM	Low	1937.50	13.460
		Middle	1962.50	13.485
		High	1987.50	13.472
	256QAM	Low	1937.50	13.465
		Middle	1962.50	13.475
		High	1987.50	13.473

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 4	QPSK	Low	1937.50	13.475
		Middle	1962.50	13.487
		High	1987.50	13.436
	16QAM	Low	1937.50	13.526
		Middle	1962.50	13.486
		High	1987.50	13.525
	64QAM	Low	1937.50	13.421
		Middle	1962.50	13.489
		High	1987.50	13.498
	256QAM	Low	1937.50	13.459
		Middle	1962.50	13.432
		High	1987.50	13.485
Port 5	QPSK	Low	1937.50	13.426
		Middle	1962.50	13.464
		High	1987.50	13.453
	16QAM	Low	1937.50	13.547
		Middle	1962.50	13.491
		High	1987.50	13.495
	64QAM	Low	1937.50	13.447
		Middle	1962.50	13.463
		High	1987.50	13.466
	256QAM	Low	1937.50	13.459
		Middle	1962.50	13.448
		High	1987.50	13.437
Port 6	QPSK	Low	1937.50	13.449
		Middle	1962.50	13.465
		High	1987.50	13.454
	16QAM	Low	1937.50	13.556
		Middle	1962.50	13.528
		High	1987.50	13.537
	64QAM	Low	1937.50	13.451
		Middle	1962.50	13.476
		High	1987.50	13.451
	256QAM	Low	1937.50	13.436
		Middle	1962.50	13.440
		High	1987.50	13.452

Port 7	QPSK	Low	1937.50	13.458
		Middle	1962.50	13.457
		High	1987.50	13.437
	16QAM	Low	1937.50	13.525
		Middle	1962.50	13.535
		High	1987.50	13.523
	64QAM	Low	1937.50	13.431
		Middle	1962.50	13.462
		High	1987.50	13.456
	256QAM	Low	1937.50	13.438
		Middle	1962.50	13.442
		High	1987.50	13.473
Port 8	QPSK	Low	1937.50	13.457
		Middle	1962.50	13.468
		High	1987.50	13.438
	16QAM	Low	1937.50	13.537
		Middle	1962.50	13.511
		High	1987.50	13.495
	64QAM	Low	1937.50	13.471
		Middle	1962.50	13.459
		High	1987.50	13.449
	256QAM	Low	1937.50	13.466
		Middle	1962.50	13.512
		High	1987.50	13.472
Port 9	QPSK	Low	1937.50	13.460
		Middle	1962.50	13.513
		High	1987.50	13.456
	16QAM	Low	1937.50	13.488
		Middle	1962.50	13.509
		High	1987.50	13.507
	64QAM	Low	1937.50	13.431
		Middle	1962.50	13.473
		High	1987.50	13.453
	256QAM	Low	1937.50	13.459
		Middle	1962.50	13.486
		High	1987.50	13.443

Port 10	QPSK	Low	1937.50	13.456
		Middle	1962.50	13.463
		High	1987.50	13.456
	16QAM	Low	1937.50	13.550
		Middle	1962.50	13.504
		High	1987.50	13.539
	64QAM	Low	1937.50	13.466
		Middle	1962.50	13.477
		High	1987.50	13.480
	256QAM	Low	1937.50	13.476
		Middle	1962.50	13.463
		High	1987.50	13.468
Port 11	QPSK	Low	1937.50	13.460
		Middle	1962.50	13.463
		High	1987.50	13.479
	16QAM	Low	1937.50	13.567
		Middle	1962.50	13.471
		High	1987.50	13.502
	64QAM	Low	1937.50	13.455
		Middle	1962.50	13.469
		High	1987.50	13.465
	256QAM	Low	1937.50	13.436
		Middle	1962.50	13.480
		High	1987.50	13.460
Port 12	QPSK	Low	1937.50	13.440
		Middle	1962.50	13.510
		High	1987.50	13.461
	16QAM	Low	1937.50	13.541
		Middle	1962.50	13.551
		High	1987.50	13.452
	64QAM	Low	1937.50	13.468
		Middle	1962.50	13.481
		High	1987.50	13.464
	256QAM	Low	1937.50	13.442
		Middle	1962.50	13.475
		High	1987.50	13.438

Port 13	QPSK	Low	1937.50	13.393
		Middle	1962.50	13.467
		High	1987.50	13.430
	16QAM	Low	1937.50	13.521
		Middle	1962.50	13.511
		High	1987.50	13.533
	64QAM	Low	1937.50	13.447
		Middle	1962.50	13.480
		High	1987.50	13.449
	256QAM	Low	1937.50	13.439
		Middle	1962.50	13.460
		High	1987.50	13.482
Port 14	QPSK	Low	1937.50	13.438
		Middle	1962.50	13.501
		High	1987.50	13.445
	16QAM	Low	1937.50	13.490
		Middle	1962.50	13.550
		High	1987.50	13.563
	64QAM	Low	1937.50	13.482
		Middle	1962.50	13.520
		High	1987.50	13.441
	256QAM	Low	1937.50	13.444
		Middle	1962.50	13.459
		High	1987.50	13.445
Port 15	QPSK	Low	1937.50	13.478
		Middle	1962.50	13.453
		High	1987.50	13.461
	16QAM	Low	1937.50	13.475
		Middle	1962.50	13.483
		High	1987.50	13.480
	64QAM	Low	1937.50	13.478
		Middle	1962.50	13.448
		High	1987.50	13.466
	256QAM	Low	1937.50	13.449
		Middle	1962.50	13.472
		High	1987.50	13.490

Port 16	QPSK	Low	1937.50	13.425
		Middle	1962.50	13.474
		High	1987.50	13.463
	16QAM	Low	1937.50	13.499
		Middle	1962.50	13.554
		High	1987.50	13.470
	64QAM	Low	1937.50	13.464
		Middle	1962.50	13.480
		High	1987.50	13.449
	256QAM	Low	1937.50	13.455
		Middle	1962.50	13.517
		High	1987.50	13.446

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Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 1	QPSK	Low	1940.00	17.901
		Middle	1962.50	17.938
		High	1985.00	17.942
	16QAM	Low	1940.00	17.988
		Middle	1962.50	17.930
		High	1985.00	17.937
	64QAM	Low	1940.00	17.938
		Middle	1962.50	17.990
		High	1985.00	17.933
	256QAM	Low	1940.00	17.960
		Middle	1962.50	17.971
		High	1985.00	17.938
Port 2	QPSK	Low	1940.00	17.939
		Middle	1962.50	17.946
		High	1985.00	17.975
	16QAM	Low	1940.00	18.014
		Middle	1962.50	17.964
		High	1985.00	17.950
	64QAM	Low	1940.00	17.931
		Middle	1962.50	17.970
		High	1985.00	17.980
	256QAM	Low	1940.00	17.964
		Middle	1962.50	17.965
		High	1985.00	17.960
Port 3	QPSK	Low	1940.00	17.902
		Middle	1962.50	17.971
		High	1985.00	17.918
	16QAM	Low	1940.00	17.952
		Middle	1962.50	17.957
		High	1985.00	17.915
	64QAM	Low	1940.00	17.929
		Middle	1962.50	17.937
		High	1985.00	17.972
	256QAM	Low	1940.00	17.946
		Middle	1962.50	17.924
		High	1985.00	17.971

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 4	QPSK	Low	1940.00	17.938
		Middle	1962.50	17.984
		High	1985.00	17.926
	16QAM	Low	1940.00	17.997
		Middle	1962.50	17.944
		High	1985.00	17.948
	64QAM	Low	1940.00	17.984
		Middle	1962.50	17.951
		High	1985.00	17.953
	256QAM	Low	1940.00	17.933
		Middle	1962.50	17.957
		High	1985.00	17.944
Port 5	QPSK	Low	1940.00	17.935
		Middle	1962.50	18.019
		High	1985.00	17.957
	16QAM	Low	1940.00	17.973
		Middle	1962.50	17.939
		High	1985.00	17.928
	64QAM	Low	1940.00	17.924
		Middle	1962.50	17.977
		High	1985.00	17.878
	256QAM	Low	1940.00	18.007
		Middle	1962.50	17.933
		High	1985.00	17.939
Port 6	QPSK	Low	1940.00	17.951
		Middle	1962.50	17.954
		High	1985.00	17.938
	16QAM	Low	1940.00	17.939
		Middle	1962.50	18.006
		High	1985.00	17.933
	64QAM	Low	1940.00	18.001
		Middle	1962.50	17.963
		High	1985.00	17.978
	256QAM	Low	1940.00	17.966
		Middle	1962.50	17.951
		High	1985.00	17.942

Port 7	QPSK	Low	1940.00	17.925
		Middle	1962.50	17.980
		High	1985.00	17.958
	16QAM	Low	1940.00	17.943
		Middle	1962.50	17.947
		High	1985.00	17.990
	64QAM	Low	1940.00	17.966
		Middle	1962.50	17.958
		High	1985.00	18.009
	256QAM	Low	1940.00	17.962
		Middle	1962.50	18.001
		High	1985.00	17.951
Port 8	QPSK	Low	1940.00	17.907
		Middle	1962.50	17.946
		High	1985.00	17.946
	16QAM	Low	1940.00	17.953
		Middle	1962.50	17.972
		High	1985.00	17.937
	64QAM	Low	1940.00	17.967
		Middle	1962.50	18.009
		High	1985.00	17.962
	256QAM	Low	1940.00	17.905
		Middle	1962.50	17.947
		High	1985.00	17.969
Port 9	QPSK	Low	1940.00	18.009
		Middle	1962.50	17.970
		High	1985.00	17.963
	16QAM	Low	1940.00	17.925
		Middle	1962.50	17.970
		High	1985.00	17.963
	64QAM	Low	1940.00	17.976
		Middle	1962.50	17.933
		High	1985.00	17.909
	256QAM	Low	1940.00	17.934
		Middle	1962.50	17.978
		High	1985.00	17.970

Port 10	QPSK	Low	1940.00	17.958
		Middle	1962.50	17.940
		High	1985.00	17.881
	16QAM	Low	1940.00	17.975
		Middle	1962.50	18.009
		High	1985.00	17.969
	64QAM	Low	1940.00	17.930
		Middle	1962.50	17.957
		High	1985.00	17.982
	256QAM	Low	1940.00	17.972
		Middle	1962.50	17.962
		High	1985.00	17.949
Port 11	QPSK	Low	1940.00	17.932
		Middle	1962.50	17.991
		High	1985.00	17.986
	16QAM	Low	1940.00	17.981
		Middle	1962.50	17.945
		High	1985.00	17.978
	64QAM	Low	1940.00	17.963
		Middle	1962.50	17.994
		High	1985.00	17.975
	256QAM	Low	1940.00	17.913
		Middle	1962.50	17.958
		High	1985.00	17.974
Port 12	QPSK	Low	1940.00	17.917
		Middle	1962.50	17.989
		High	1985.00	17.971
	16QAM	Low	1940.00	17.936
		Middle	1962.50	18.008
		High	1985.00	17.962
	64QAM	Low	1940.00	17.978
		Middle	1962.50	17.933
		High	1985.00	17.923
	256QAM	Low	1940.00	17.961
		Middle	1962.50	17.937
		High	1985.00	17.947

Port 13	QPSK	Low	1940.00	17.908
		Middle	1962.50	17.976
		High	1985.00	17.975
	16QAM	Low	1940.00	17.954
		Middle	1962.50	17.995
		High	1985.00	17.999
	64QAM	Low	1940.00	17.926
		Middle	1962.50	17.957
		High	1985.00	17.994
	256QAM	Low	1940.00	18.003
		Middle	1962.50	17.968
		High	1985.00	17.946
Port 14	QPSK	Low	1940.00	17.948
		Middle	1962.50	17.944
		High	1985.00	17.960
	16QAM	Low	1940.00	17.949
		Middle	1962.50	17.943
		High	1985.00	17.975
	64QAM	Low	1940.00	17.937
		Middle	1962.50	17.975
		High	1985.00	17.985
	256QAM	Low	1940.00	17.953
		Middle	1962.50	17.938
		High	1985.00	17.972
Port 15	QPSK	Low	1940.00	17.958
		Middle	1962.50	17.942
		High	1985.00	17.915
	16QAM	Low	1940.00	17.921
		Middle	1962.50	18.014
		High	1985.00	17.906
	64QAM	Low	1940.00	17.964
		Middle	1962.50	17.993
		High	1985.00	17.937
	256QAM	Low	1940.00	17.959
		Middle	1962.50	17.970
		High	1985.00	17.977

Port 16	QPSK	Low	1940.00	17.943
		Middle	1962.50	17.995
		High	1985.00	17.909
	16QAM	Low	1940.00	17.997
		Middle	1962.50	17.955
		High	1985.00	17.934
	64QAM	Low	1940.00	17.911
		Middle	1962.50	17.984
		High	1985.00	17.988
	256QAM	Low	1940.00	17.950
		Middle	1962.50	17.946
		High	1985.00	17.970

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Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 1	QPSK	Low	2112.50	4.5192
		Middle	2145.00	4.5284
		High	2177.50	4.5027
	16QAM	Low	2112.50	4.4635
		Middle	2145.00	4.4882
		High	2177.50	4.4815
	64QAM	Low	2112.50	4.5188
		Middle	2145.00	4.5041
		High	2177.50	4.5228
	256QAM	Low	2112.50	4.5055
		Middle	2145.00	4.4998
		High	2177.50	4.4934
Port 2	QPSK	Low	2112.50	4.5088
		Middle	2145.00	4.5155
		High	2177.50	4.5129
	16QAM	Low	2112.50	4.4925
		Middle	2145.00	4.4866
		High	2177.50	4.4865
	64QAM	Low	2112.50	4.5025
		Middle	2145.00	4.4994
		High	2177.50	4.5018
	256QAM	Low	2112.50	4.5084
		Middle	2145.00	4.4896
		High	2177.50	4.4927
Port 3	QPSK	Low	2112.50	4.5284
		Middle	2145.00	4.4989
		High	2177.50	4.5155
	16QAM	Low	2112.50	4.4960
		Middle	2145.00	4.4852
		High	2177.50	4.4742
	64QAM	Low	2112.50	4.5092
		Middle	2145.00	4.5072
		High	2177.50	4.5057
	256QAM	Low	2112.50	4.5006
		Middle	2145.00	4.5210
		High	2177.50	4.5026

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 4	QPSK	Low	2112.50	4.5115
		Middle	2145.00	4.4993
		High	2177.50	4.5072
	16QAM	Low	2112.50	4.4842
		Middle	2145.00	4.5033
		High	2177.50	4.4787
	64QAM	Low	2112.50	4.5161
		Middle	2145.00	4.5181
		High	2177.50	4.5314
Port 5	QPSK	Low	2112.50	4.5137
		Middle	2145.00	4.4931
		High	2177.50	4.5029
	16QAM	Low	2112.50	4.4984
		Middle	2145.00	4.5160
		High	2177.50	4.5165
	64QAM	Low	2112.50	4.4892
		Middle	2145.00	4.5077
		High	2177.50	4.5004
Port 6	QPSK	Low	2112.50	4.5123
		Middle	2145.00	4.5327
		High	2177.50	4.5166
	16QAM	Low	2112.50	4.5009
		Middle	2145.00	4.5178
		High	2177.50	4.5143
	64QAM	Low	2112.50	4.5059
		Middle	2145.00	4.5129
		High	2177.50	4.5042
Port 7	QPSK	Low	2112.50	4.5033
		Middle	2145.00	4.4774
		High	2177.50	4.5102
	16QAM	Low	2112.50	4.5197
		Middle	2145.00	4.5110
		High	2177.50	4.5129
	64QAM	Low	2112.50	4.5120
		Middle	2145.00	4.5173
		High	2177.50	4.4956

Port 7	QPSK	Low	2112.50	4.5032
		Middle	2145.00	4.5191
		High	2177.50	4.4999
	16QAM	Low	2112.50	4.4911
		Middle	2145.00	4.5023
		High	2177.50	4.4988
	64QAM	Low	2112.50	4.5355
		Middle	2145.00	4.5131
		High	2177.50	4.5316
	256QAM	Low	2112.50	4.5205
		Middle	2145.00	4.5133
		High	2177.50	4.5178
Port 8	QPSK	Low	2112.50	4.5109
		Middle	2145.00	4.5100
		High	2177.50	4.5202
	16QAM	Low	2112.50	4.4801
		Middle	2145.00	4.4815
		High	2177.50	4.5005
	64QAM	Low	2112.50	4.5184
		Middle	2145.00	4.5192
		High	2177.50	4.5168
	256QAM	Low	2112.50	4.5184
		Middle	2145.00	4.4844
		High	2177.50	4.4988
Port 9	QPSK	Low	2112.50	4.5074
		Middle	2145.00	4.5159
		High	2177.50	4.5114
	16QAM	Low	2112.50	4.4968
		Middle	2145.00	4.4902
		High	2177.50	4.4860
	64QAM	Low	2112.50	4.5072
		Middle	2145.00	4.5057
		High	2177.50	4.5175
	256QAM	Low	2112.50	4.5279
		Middle	2145.00	4.5095
		High	2177.50	4.5180

Port 10	QPSK	Low	2112.50	4.5047
		Middle	2145.00	4.5057
		High	2177.50	4.5095
	16QAM	Low	2112.50	4.4953
		Middle	2145.00	4.4820
		High	2177.50	4.5279
	64QAM	Low	2112.50	4.5134
		Middle	2145.00	4.5200
		High	2177.50	4.4957
	256QAM	Low	2112.50	4.5106
		Middle	2145.00	4.4971
		High	2177.50	4.5092
Port 11	QPSK	Low	2112.50	4.5027
		Middle	2145.00	4.5167
		High	2177.50	4.5016
	16QAM	Low	2112.50	4.4998
		Middle	2145.00	4.4896
		High	2177.50	4.4874
	64QAM	Low	2112.50	4.5336
		Middle	2145.00	4.5155
		High	2177.50	4.5018
	256QAM	Low	2112.50	4.5189
		Middle	2145.00	4.5094
		High	2177.50	4.5266
Port 12	QPSK	Low	2112.50	4.5192
		Middle	2145.00	4.5115
		High	2177.50	4.5070
	16QAM	Low	2112.50	4.4979
		Middle	2145.00	4.4884
		High	2177.50	4.5019
	64QAM	Low	2112.50	4.5130
		Middle	2145.00	4.5221
		High	2177.50	4.5039
	256QAM	Low	2112.50	4.5009
		Middle	2145.00	4.5083
		High	2177.50	4.5137

Port 13	QPSK	Low	2112.50	4.5027
		Middle	2145.00	4.4920
		High	2177.50	4.5202
	16QAM	Low	2112.50	4.4717
		Middle	2145.00	4.4830
		High	2177.50	4.5053
	64QAM	Low	2112.50	4.4985
		Middle	2145.00	4.5177
		High	2177.50	4.5047
	256QAM	Low	2112.50	4.4924
		Middle	2145.00	4.5072
		High	2177.50	4.5079
Port 14	QPSK	Low	2112.50	4.5122
		Middle	2145.00	4.4954
		High	2177.50	4.5090
	16QAM	Low	2112.50	4.4860
		Middle	2145.00	4.4874
		High	2177.50	4.4796
	64QAM	Low	2112.50	4.5160
		Middle	2145.00	4.5159
		High	2177.50	4.4989
	256QAM	Low	2112.50	4.5293
		Middle	2145.00	4.5225
		High	2177.50	4.5033
Port 15	QPSK	Low	2112.50	4.5135
		Middle	2145.00	4.5040
		High	2177.50	4.5149
	16QAM	Low	2112.50	4.5008
		Middle	2145.00	4.4932
		High	2177.50	4.4688
	64QAM	Low	2112.50	4.5172
		Middle	2145.00	4.4969
		High	2177.50	4.5153
	256QAM	Low	2112.50	4.5014
		Middle	2145.00	4.5099
		High	2177.50	4.5083

Port 16	QPSK	Low	2112.50	4.5157
		Middle	2145.00	4.5106
		High	2177.50	4.4958
	16QAM	Low	2112.50	4.4989
		Middle	2145.00	4.4852
		High	2177.50	4.5184
	64QAM	Low	2112.50	4.4979
		Middle	2145.00	4.5121
		High	2177.50	4.5242
	256QAM	Low	2112.50	4.4958
		Middle	2145.00	4.5106
		High	2177.50	4.5142

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Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 1	QPSK	Low	2115.00	8.9899
		Middle	2145.00	9.0054
		High	2175.00	9.0236
	16QAM	Low	2115.00	8.9894
		Middle	2145.00	8.9865
		High	2175.00	8.9956
	64QAM	Low	2115.00	9.0020
		Middle	2145.00	9.0185
		High	2175.00	8.9765
	256QAM	Low	2115.00	8.9700
		Middle	2145.00	8.9902
		High	2175.00	8.9932
Port 2	QPSK	Low	2115.00	9.0173
		Middle	2145.00	8.9845
		High	2175.00	9.0134
	16QAM	Low	2115.00	9.0024
		Middle	2145.00	8.9997
		High	2175.00	9.0012
	64QAM	Low	2115.00	9.0174
		Middle	2145.00	9.0238
		High	2175.00	9.0066
	256QAM	Low	2115.00	9.0028
		Middle	2145.00	8.9795
		High	2175.00	8.9976
Port 3	QPSK	Low	2115.00	8.9719
		Middle	2145.00	8.9855
		High	2175.00	8.9827
	16QAM	Low	2115.00	8.9932
		Middle	2145.00	9.0123
		High	2175.00	9.0026
	64QAM	Low	2115.00	9.0112
		Middle	2145.00	8.9810
		High	2175.00	9.0076
	256QAM	Low	2115.00	8.9652
		Middle	2145.00	9.0095
		High	2175.00	8.9867

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 4	QPSK	Low	2115.00	8.9686
		Middle	2145.00	9.0214
		High	2175.00	8.9690
	16QAM	Low	2115.00	8.9849
		Middle	2145.00	9.0026
		High	2175.00	8.9619
	64QAM	Low	2115.00	9.0257
		Middle	2145.00	9.0079
		High	2175.00	8.9956
	256QAM	Low	2115.00	8.9886
		Middle	2145.00	8.9738
		High	2175.00	9.0038
Port 5	QPSK	Low	2115.00	8.9866
		Middle	2145.00	8.9911
		High	2175.00	9.0169
	16QAM	Low	2115.00	9.0149
		Middle	2145.00	8.9795
		High	2175.00	8.9781
	64QAM	Low	2115.00	8.9970
		Middle	2145.00	8.9901
		High	2175.00	9.0023
	256QAM	Low	2115.00	8.9864
		Middle	2145.00	8.9909
		High	2175.00	8.9835
Port 6	QPSK	Low	2115.00	8.9748
		Middle	2145.00	9.0066
		High	2175.00	8.9767
	16QAM	Low	2115.00	8.9941
		Middle	2145.00	8.9939
		High	2175.00	8.9934
	64QAM	Low	2115.00	8.9667
		Middle	2145.00	9.0190
		High	2175.00	9.0302
	256QAM	Low	2115.00	9.0182
		Middle	2145.00	8.9917
		High	2175.00	8.9634

Port 7	QPSK	Low	2115.00	8.9808
		Middle	2145.00	8.9832
		High	2175.00	8.9845
	16QAM	Low	2115.00	9.0050
		Middle	2145.00	8.9871
		High	2175.00	8.9930
	64QAM	Low	2115.00	8.9892
		Middle	2145.00	9.0242
		High	2175.00	9.0108
	256QAM	Low	2115.00	8.9843
		Middle	2145.00	8.9818
		High	2175.00	8.9947
Port 8	QPSK	Low	2115.00	8.9761
		Middle	2145.00	9.0131
		High	2175.00	9.0096
	16QAM	Low	2115.00	8.9760
		Middle	2145.00	9.0153
		High	2175.00	9.0135
	64QAM	Low	2115.00	9.0114
		Middle	2145.00	9.0045
		High	2175.00	8.9704
	256QAM	Low	2115.00	9.0038
		Middle	2145.00	8.9876
		High	2175.00	8.9879
Port 9	QPSK	Low	2115.00	9.0057
		Middle	2145.00	9.0137
		High	2175.00	8.9946
	16QAM	Low	2115.00	9.0134
		Middle	2145.00	9.0028
		High	2175.00	9.0262
	64QAM	Low	2115.00	8.9857
		Middle	2145.00	9.0050
		High	2175.00	9.0220
	256QAM	Low	2115.00	9.0018
		Middle	2145.00	8.9916
		High	2175.00	9.0016

Port 10	QPSK	Low	2115.00	8.9864
		Middle	2145.00	8.9798
		High	2175.00	9.0044
	16QAM	Low	2115.00	8.9806
		Middle	2145.00	9.0147
		High	2175.00	8.9899
	64QAM	Low	2115.00	8.9783
		Middle	2145.00	9.0087
		High	2175.00	8.9904
	256QAM	Low	2115.00	9.0059
		Middle	2145.00	8.9803
		High	2175.00	8.9686
Port 11	QPSK	Low	2115.00	8.9910
		Middle	2145.00	8.9809
		High	2175.00	9.0141
	16QAM	Low	2115.00	8.9849
		Middle	2145.00	9.0022
		High	2175.00	9.0049
	64QAM	Low	2115.00	8.9899
		Middle	2145.00	9.0068
		High	2175.00	8.9998
	256QAM	Low	2115.00	9.0110
		Middle	2145.00	8.9828
		High	2175.00	9.0014
Port 12	QPSK	Low	2115.00	9.0131
		Middle	2145.00	9.0045
		High	2175.00	9.0120
	16QAM	Low	2115.00	8.9997
		Middle	2145.00	8.9908
		High	2175.00	9.0249
	64QAM	Low	2115.00	9.0084
		Middle	2145.00	9.0136
		High	2175.00	8.9981
	256QAM	Low	2115.00	8.9954
		Middle	2145.00	8.9926
		High	2175.00	8.9789

Port 13	QPSK	Low	2115.00	8.9868
		Middle	2145.00	8.9698
		High	2175.00	9.0040
	16QAM	Low	2115.00	8.9891
		Middle	2145.00	9.0104
		High	2175.00	9.0203
	64QAM	Low	2115.00	8.9840
		Middle	2145.00	8.9712
		High	2175.00	8.9997
	256QAM	Low	2115.00	9.0148
		Middle	2145.00	8.9727
		High	2175.00	8.9825
Port 14	QPSK	Low	2115.00	8.9711
		Middle	2145.00	8.9939
		High	2175.00	9.0194
	16QAM	Low	2115.00	9.0238
		Middle	2145.00	9.0101
		High	2175.00	9.0278
	64QAM	Low	2115.00	8.9904
		Middle	2145.00	8.9932
		High	2175.00	9.0073
	256QAM	Low	2115.00	9.0200
		Middle	2145.00	9.0020
		High	2175.00	9.0094
Port 15	QPSK	Low	2115.00	8.9803
		Middle	2145.00	8.9961
		High	2175.00	8.9931
	16QAM	Low	2115.00	9.0416
		Middle	2145.00	8.9873
		High	2175.00	9.0045
	64QAM	Low	2115.00	8.9731
		Middle	2145.00	8.9944
		High	2175.00	9.0010
	256QAM	Low	2115.00	8.9945
		Middle	2145.00	9.0257
		High	2175.00	9.0063

Port 16	QPSK	Low	2115.00	8.9891
		Middle	2145.00	8.9946
		High	2175.00	8.9871
	16QAM	Low	2115.00	8.9836
		Middle	2145.00	9.0094
		High	2175.00	9.0026
	64QAM	Low	2115.00	9.0034
		Middle	2145.00	8.9884
		High	2175.00	9.0279
	256QAM	Low	2115.00	8.9554
		Middle	2145.00	8.9743
		High	2175.00	9.0159

LTE Band 66 15 MHz 1 Carrier

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 1	QPSK	Low	2117.50	13.461
		Middle	2145.00	13.465
		High	2172.50	13.472
	16QAM	Low	2117.50	13.515
		Middle	2145.00	13.482
		High	2172.50	13.474
	64QAM	Low	2117.50	13.470
		Middle	2145.00	13.455
		High	2172.50	13.481
	256QAM	Low	2117.50	13.489
		Middle	2145.00	13.445
		High	2172.50	13.455
Port 2	QPSK	Low	2117.50	13.430
		Middle	2145.00	13.445
		High	2172.50	13.461
	16QAM	Low	2117.50	13.492
		Middle	2145.00	13.531
		High	2172.50	13.493
	64QAM	Low	2117.50	13.458
		Middle	2145.00	13.493
		High	2172.50	13.450
	256QAM	Low	2117.50	13.474
		Middle	2145.00	13.430
		High	2172.50	13.485
Port 3	QPSK	Low	2117.50	13.433
		Middle	2145.00	13.492
		High	2172.50	13.460
	16QAM	Low	2117.50	13.477
		Middle	2145.00	13.517
		High	2172.50	13.510
	64QAM	Low	2117.50	13.440
		Middle	2145.00	13.467
		High	2172.50	13.481
	256QAM	Low	2117.50	13.499
		Middle	2145.00	13.466
		High	2172.50	13.487

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 4	QPSK	Low	2117.50	13.431
		Middle	2145.00	13.468
		High	2172.50	13.470
	16QAM	Low	2117.50	13.503
		Middle	2145.00	13.543
		High	2172.50	13.526
	64QAM	Low	2117.50	13.472
		Middle	2145.00	13.458
		High	2172.50	13.492
	256QAM	Low	2117.50	13.473
		Middle	2145.00	13.464
		High	2172.50	13.491
Port 5	QPSK	Low	2117.50	13.441
		Middle	2145.00	13.480
		High	2172.50	13.462
	16QAM	Low	2117.50	13.526
		Middle	2145.00	13.486
		High	2172.50	13.473
	64QAM	Low	2117.50	13.497
		Middle	2145.00	13.482
		High	2172.50	13.465
	256QAM	Low	2117.50	13.475
		Middle	2145.00	13.433
		High	2172.50	13.451
Port 6	QPSK	Low	2117.50	13.491
		Middle	2145.00	13.495
		High	2172.50	13.480
	16QAM	Low	2117.50	13.498
		Middle	2145.00	13.504
		High	2172.50	13.517
	64QAM	Low	2117.50	13.499
		Middle	2145.00	13.457
		High	2172.50	13.456
	256QAM	Low	2117.50	13.523
		Middle	2145.00	13.463
		High	2172.50	13.461

Port 7	QPSK	Low	2117.50	13.450
		Middle	2145.00	13.482
		High	2172.50	13.490
	16QAM	Low	2117.50	13.491
		Middle	2145.00	13.484
		High	2172.50	13.481
	64QAM	Low	2117.50	13.474
		Middle	2145.00	13.468
		High	2172.50	13.499
	256QAM	Low	2117.50	13.446
		Middle	2145.00	13.451
		High	2172.50	13.424
Port 8	QPSK	Low	2117.50	13.464
		Middle	2145.00	13.466
		High	2172.50	13.486
	16QAM	Low	2117.50	13.524
		Middle	2145.00	13.534
		High	2172.50	13.466
	64QAM	Low	2117.50	13.459
		Middle	2145.00	13.484
		High	2172.50	13.468
	256QAM	Low	2117.50	13.469
		Middle	2145.00	13.440
		High	2172.50	13.474
Port 9	QPSK	Low	2117.50	13.467
		Middle	2145.00	13.464
		High	2172.50	13.477
	16QAM	Low	2117.50	13.466
		Middle	2145.00	13.538
		High	2172.50	13.507
	64QAM	Low	2117.50	13.487
		Middle	2145.00	13.495
		High	2172.50	13.447
	256QAM	Low	2117.50	13.462
		Middle	2145.00	13.452
		High	2172.50	13.500

Port 10	QPSK	Low	2117.50	13.458
		Middle	2145.00	13.472
		High	2172.50	13.463
	16QAM	Low	2117.50	13.493
		Middle	2145.00	13.497
		High	2172.50	13.526
	64QAM	Low	2117.50	13.450
		Middle	2145.00	13.483
		High	2172.50	13.446
	256QAM	Low	2117.50	13.461
		Middle	2145.00	13.468
		High	2172.50	13.493
Port 11	QPSK	Low	2117.50	13.471
		Middle	2145.00	13.442
		High	2172.50	13.449
	16QAM	Low	2117.50	13.491
		Middle	2145.00	13.486
		High	2172.50	13.502
	64QAM	Low	2117.50	13.490
		Middle	2145.00	13.505
		High	2172.50	13.453
	256QAM	Low	2117.50	13.481
		Middle	2145.00	13.464
		High	2172.50	13.508
Port 12	QPSK	Low	2117.50	13.482
		Middle	2145.00	13.455
		High	2172.50	13.457
	16QAM	Low	2117.50	13.494
		Middle	2145.00	13.520
		High	2172.50	13.500
	64QAM	Low	2117.50	13.444
		Middle	2145.00	13.489
		High	2172.50	13.524
	256QAM	Low	2117.50	13.479
		Middle	2145.00	13.449
		High	2172.50	13.509

Port 13	QPSK	Low	2117.50	13.474
		Middle	2145.00	13.452
		High	2172.50	13.452
	16QAM	Low	2117.50	13.495
		Middle	2145.00	13.519
		High	2172.50	13.519
	64QAM	Low	2117.50	13.476
		Middle	2145.00	13.502
		High	2172.50	13.473
	256QAM	Low	2117.50	13.437
		Middle	2145.00	13.464
		High	2172.50	13.453
Port 14	QPSK	Low	2117.50	13.501
		Middle	2145.00	13.435
		High	2172.50	13.419
	16QAM	Low	2117.50	13.510
		Middle	2145.00	13.506
		High	2172.50	13.503
	64QAM	Low	2117.50	13.448
		Middle	2145.00	13.496
		High	2172.50	13.487
	256QAM	Low	2117.50	13.451
		Middle	2145.00	13.480
		High	2172.50	13.466
Port 15	QPSK	Low	2117.50	13.471
		Middle	2145.00	13.441
		High	2172.50	13.475
	16QAM	Low	2117.50	13.526
		Middle	2145.00	13.499
		High	2172.50	13.521
	64QAM	Low	2117.50	13.446
		Middle	2145.00	13.458
		High	2172.50	13.457
	256QAM	Low	2117.50	13.444
		Middle	2145.00	13.456
		High	2172.50	13.451

Port 16	QPSK	Low	2117.50	13.476
		Middle	2145.00	13.449
		High	2172.50	13.459
	16QAM	Low	2117.50	13.482
		Middle	2145.00	13.464
		High	2172.50	13.466
	64QAM	Low	2117.50	13.433
		Middle	2145.00	13.484
		High	2172.50	13.493
	256QAM	Low	2117.50	13.466
		Middle	2145.00	13.483
		High	2172.50	13.462

LTE Band 66 20 MHz 1 Carrier

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 1	QPSK	Low	2120.00	17.961
		Middle	2145.00	17.988
		High	2170.00	17.935
	16QAM	Low	2120.00	17.956
		Middle	2145.00	18.021
		High	2170.00	17.909
	64QAM	Low	2120.00	17.951
		Middle	2145.00	17.940
		High	2170.00	18.008
	256QAM	Low	2120.00	17.935
		Middle	2145.00	17.968
		High	2170.00	17.957
Port 2	QPSK	Low	2120.00	17.922
		Middle	2145.00	17.903
		High	2170.00	17.955
	16QAM	Low	2120.00	17.957
		Middle	2145.00	17.942
		High	2170.00	17.958
	64QAM	Low	2120.00	17.954
		Middle	2145.00	17.994
		High	2170.00	17.921
	256QAM	Low	2120.00	18.012
		Middle	2145.00	17.994
		High	2170.00	17.935
Port 3	QPSK	Low	2120.00	17.916
		Middle	2145.00	17.961
		High	2170.00	17.974
	16QAM	Low	2120.00	18.014
		Middle	2145.00	17.935
		High	2170.00	17.940
	64QAM	Low	2120.00	17.954
		Middle	2145.00	17.985
		High	2170.00	17.933
	256QAM	Low	2120.00	17.920
		Middle	2145.00	17.914
		High	2170.00	17.895

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 4	QPSK	Low	2120.00	17.955
		Middle	2145.00	17.937
		High	2170.00	17.951
	16QAM	Low	2120.00	17.916
		Middle	2145.00	17.926
		High	2170.00	18.005
	64QAM	Low	2120.00	17.927
		Middle	2145.00	17.943
		High	2170.00	17.962
	256QAM	Low	2120.00	17.976
		Middle	2145.00	17.940
		High	2170.00	17.996
Port 5	QPSK	Low	2120.00	17.934
		Middle	2145.00	17.971
		High	2170.00	17.953
	16QAM	Low	2120.00	17.945
		Middle	2145.00	17.962
		High	2170.00	17.996
	64QAM	Low	2120.00	17.961
		Middle	2145.00	17.971
		High	2170.00	17.977
	256QAM	Low	2120.00	17.928
		Middle	2145.00	17.977
		High	2170.00	18.009
Port 6	QPSK	Low	2120.00	17.924
		Middle	2145.00	17.977
		High	2170.00	17.962
	16QAM	Low	2120.00	17.946
		Middle	2145.00	17.971
		High	2170.00	17.972
	64QAM	Low	2120.00	17.921
		Middle	2145.00	17.998
		High	2170.00	17.946
	256QAM	Low	2120.00	17.952
		Middle	2145.00	17.932
		High	2170.00	17.924

Port 7	QPSK	Low	2120.00	17.947
		Middle	2145.00	17.924
		High	2170.00	17.995
	16QAM	Low	2120.00	17.925
		Middle	2145.00	17.953
		High	2170.00	17.992
	64QAM	Low	2120.00	17.950
		Middle	2145.00	17.928
		High	2170.00	17.960
	256QAM	Low	2120.00	17.992
		Middle	2145.00	17.947
		High	2170.00	17.972
Port 8	QPSK	Low	2120.00	17.949
		Middle	2145.00	17.973
		High	2170.00	17.946
	16QAM	Low	2120.00	18.009
		Middle	2145.00	17.983
		High	2170.00	17.931
	64QAM	Low	2120.00	17.935
		Middle	2145.00	17.964
		High	2170.00	17.986
	256QAM	Low	2120.00	17.946
		Middle	2145.00	17.991
		High	2170.00	17.967
Port 9	QPSK	Low	2120.00	17.941
		Middle	2145.00	17.967
		High	2170.00	17.954
	16QAM	Low	2120.00	18.080
		Middle	2145.00	18.040
		High	2170.00	18.005
	64QAM	Low	2120.00	17.932
		Middle	2145.00	17.950
		High	2170.00	17.981
	256QAM	Low	2120.00	17.934
		Middle	2145.00	17.934
		High	2170.00	17.928

Port 10	QPSK	Low	2120.00	17.919
		Middle	2145.00	17.957
		High	2170.00	17.978
	16QAM	Low	2120.00	17.953
		Middle	2145.00	17.959
		High	2170.00	18.026
	64QAM	Low	2120.00	17.991
		Middle	2145.00	17.956
		High	2170.00	17.929
	256QAM	Low	2120.00	17.985
		Middle	2145.00	18.016
		High	2170.00	17.940
Port 11	QPSK	Low	2120.00	17.962
		Middle	2145.00	17.950
		High	2170.00	17.960
	16QAM	Low	2120.00	17.964
		Middle	2145.00	17.986
		High	2170.00	17.960
	64QAM	Low	2120.00	17.921
		Middle	2145.00	17.963
		High	2170.00	17.955
	256QAM	Low	2120.00	18.008
		Middle	2145.00	17.970
		High	2170.00	18.011
Port 12	QPSK	Low	2120.00	17.918
		Middle	2145.00	17.948
		High	2170.00	17.932
	16QAM	Low	2120.00	17.958
		Middle	2145.00	17.938
		High	2170.00	17.970
	64QAM	Low	2120.00	17.912
		Middle	2145.00	17.991
		High	2170.00	17.959
	256QAM	Low	2120.00	17.914
		Middle	2145.00	17.963
		High	2170.00	17.910

Port 13	QPSK	Low	2120.00	17.956
		Middle	2145.00	17.966
		High	2170.00	17.978
	16QAM	Low	2120.00	17.977
		Middle	2145.00	17.960
		High	2170.00	17.986
	64QAM	Low	2120.00	17.929
		Middle	2145.00	17.955
		High	2170.00	17.969
	256QAM	Low	2120.00	17.950
		Middle	2145.00	17.978
		High	2170.00	17.882
Port 14	QPSK	Low	2120.00	17.915
		Middle	2145.00	17.947
		High	2170.00	17.916
	16QAM	Low	2120.00	17.932
		Middle	2145.00	17.992
		High	2170.00	17.946
	64QAM	Low	2120.00	17.949
		Middle	2145.00	17.954
		High	2170.00	17.967
	256QAM	Low	2120.00	17.914
		Middle	2145.00	17.960
		High	2170.00	17.940
Port 15	QPSK	Low	2120.00	17.984
		Middle	2145.00	17.936
		High	2170.00	17.952
	16QAM	Low	2120.00	17.958
		Middle	2145.00	17.944
		High	2170.00	18.033
	64QAM	Low	2120.00	17.967
		Middle	2145.00	18.014
		High	2170.00	17.928
	256QAM	Low	2120.00	17.939
		Middle	2145.00	17.962
		High	2170.00	17.982

Port 16	QPSK	Low	2120.00	17.959
		Middle	2145.00	17.949
		High	2170.00	17.919
	16QAM	Low	2120.00	17.930
		Middle	2145.00	17.955
		High	2170.00	17.946
	64QAM	Low	2120.00	17.945
		Middle	2145.00	17.959
		High	2170.00	17.954
	256QAM	Low	2120.00	17.999
		Middle	2145.00	17.971
		High	2170.00	17.973

Tabular Data of RF Contiguous Occupied Bandwidth

LTE Band 25 5 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier [2 Carrier]

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 1	QPSK	Low	1940.00	18.929
		Middle	1962.50	18.920
		High	1985.00	18.994
	16QAM	Low	1940.00	18.884
		Middle	1962.50	18.988
		High	1985.00	18.921
	64QAM	Low	1940.00	18.935
		Middle	1962.50	18.904
		High	1985.00	18.976
	256QAM	Low	1940.00	18.878
		Middle	1962.50	18.931
		High	1985.00	18.937
Port 2	QPSK	Low	1940.00	18.915
		Middle	1962.50	18.982
		High	1985.00	18.931
	16QAM	Low	1940.00	18.899
		Middle	1962.50	18.902
		High	1985.00	18.949
	64QAM	Low	1940.00	18.946
		Middle	1962.50	18.930
		High	1985.00	18.957
	256QAM	Low	1940.00	18.925
		Middle	1962.50	18.962
		High	1985.00	18.969

Port 3	QPSK	Low	1940.00	18.913
		Middle	1962.50	18.923
		High	1985.00	18.975
	16QAM	Low	1940.00	18.896
		Middle	1962.50	18.986
		High	1985.00	18.977
	64QAM	Low	1940.00	18.903
		Middle	1962.50	18.946
		High	1985.00	18.931
	256QAM	Low	1940.00	18.962
		Middle	1962.50	18.923
		High	1985.00	18.917
Port 4	QPSK	Low	1940.00	18.869
		Middle	1962.50	18.908
		High	1985.00	18.931
	16QAM	Low	1940.00	18.920
		Middle	1962.50	18.880
		High	1985.00	18.925
	64QAM	Low	1940.00	18.950
		Middle	1962.50	18.922
		High	1985.00	18.966
	256QAM	Low	1940.00	18.952
		Middle	1962.50	18.900
		High	1985.00	18.916
Port 5	QPSK	Low	1940.00	18.920
		Middle	1962.50	18.934
		High	1985.00	19.017
	16QAM	Low	1940.00	18.925
		Middle	1962.50	18.980
		High	1985.00	18.887
	64QAM	Low	1940.00	18.862
		Middle	1962.50	18.928
		High	1985.00	18.949
	256QAM	Low	1940.00	18.919
		Middle	1962.50	18.927
		High	1985.00	18.968

Port 6	QPSK	Low	1940.00	18.858
		Middle	1962.50	18.949
		High	1985.00	18.901
	16QAM	Low	1940.00	18.875
		Middle	1962.50	18.922
		High	1985.00	18.901
	64QAM	Low	1940.00	18.917
		Middle	1962.50	18.930
		High	1985.00	18.894
	256QAM	Low	1940.00	18.914
		Middle	1962.50	18.932
		High	1985.00	18.910
Port 7	QPSK	Low	1940.00	18.949
		Middle	1962.50	18.905
		High	1985.00	18.954
	16QAM	Low	1940.00	18.974
		Middle	1962.50	18.895
		High	1985.00	18.925
	64QAM	Low	1940.00	18.909
		Middle	1962.50	18.901
		High	1985.00	18.938
	256QAM	Low	1940.00	18.866
		Middle	1962.50	18.955
		High	1985.00	18.951
Port 8	QPSK	Low	1940.00	18.953
		Middle	1962.50	18.932
		High	1985.00	18.974
	16QAM	Low	1940.00	18.954
		Middle	1962.50	18.948
		High	1985.00	18.901
	64QAM	Low	1940.00	18.935
		Middle	1962.50	18.933
		High	1985.00	18.978
	256QAM	Low	1940.00	18.935
		Middle	1962.50	18.885
		High	1985.00	18.929

Port 9	QPSK	Low	1940.00	18.904
		Middle	1962.50	18.920
		High	1985.00	18.933
	16QAM	Low	1940.00	18.894
		Middle	1962.50	18.924
		High	1985.00	18.894
	64QAM	Low	1940.00	18.894
		Middle	1962.50	18.946
		High	1985.00	18.971
	256QAM	Low	1940.00	18.948
		Middle	1962.50	18.908
		High	1985.00	18.967
Port 10	QPSK	Low	1940.00	18.882
		Middle	1962.50	18.940
		High	1985.00	18.940
	16QAM	Low	1940.00	18.934
		Middle	1962.50	18.924
		High	1985.00	18.946
	64QAM	Low	1940.00	18.893
		Middle	1962.50	18.916
		High	1985.00	18.952
	256QAM	Low	1940.00	18.940
		Middle	1962.50	18.960
		High	1985.00	18.918
Port 11	QPSK	Low	1940.00	18.877
		Middle	1962.50	18.936
		High	1985.00	18.938
	16QAM	Low	1940.00	18.964
		Middle	1962.50	18.875
		High	1985.00	18.934
	64QAM	Low	1940.00	18.919
		Middle	1962.50	18.902
		High	1985.00	18.922
	256QAM	Low	1940.00	18.932
		Middle	1962.50	18.926
		High	1985.00	19.003

Port 12	QPSK	Low	1940.00	18.910
		Middle	1962.50	18.957
		High	1985.00	18.947
	16QAM	Low	1940.00	18.953
		Middle	1962.50	18.936
		High	1985.00	18.941
	64QAM	Low	1940.00	18.904
		Middle	1962.50	18.954
		High	1985.00	18.917
	256QAM	Low	1940.00	18.913
		Middle	1962.50	18.933
		High	1985.00	18.944
Port 13	QPSK	Low	1940.00	18.918
		Middle	1962.50	18.951
		High	1985.00	18.919
	16QAM	Low	1940.00	18.934
		Middle	1962.50	18.950
		High	1985.00	18.920
	64QAM	Low	1940.00	18.945
		Middle	1962.50	18.918
		High	1985.00	18.954
	256QAM	Low	1940.00	18.933
		Middle	1962.50	18.937
		High	1985.00	18.944
Port 14	QPSK	Low	1940.00	18.928
		Middle	1962.50	18.945
		High	1985.00	18.964
	16QAM	Low	1940.00	18.886
		Middle	1962.50	18.910
		High	1985.00	18.929
	64QAM	Low	1940.00	18.938
		Middle	1962.50	18.947
		High	1985.00	18.930
	256QAM	Low	1940.00	18.966
		Middle	1962.50	18.887
		High	1985.00	18.961

Port 15	QPSK	Low	1940.00	18.913
		Middle	1962.50	18.948
		High	1985.00	18.941
	16QAM	Low	1940.00	18.944
		Middle	1962.50	18.916
		High	1985.00	18.954
	64QAM	Low	1940.00	18.927
		Middle	1962.50	18.927
		High	1985.00	18.945
	256QAM	Low	1940.00	18.882
		Middle	1962.50	18.938
		High	1985.00	18.892
Port 16	QPSK	Low	1940.00	18.923
		Middle	1962.50	18.910
		High	1985.00	18.934
	16QAM	Low	1940.00	18.936
		Middle	1962.50	18.917
		High	1985.00	18.861
	64QAM	Low	1940.00	18.904
		Middle	1962.50	18.945
		High	1985.00	18.925
	256QAM	Low	1940.00	18.899
		Middle	1962.50	18.908
		High	1985.00	18.920

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier [2 Carrier]

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 1	QPSK	Low	2125.00	28.382
		Middle	2145.00	28.398
		High	2165.00	28.425
	16QAM	Low	2125.00	28.361
		Middle	2145.00	28.382
		High	2165.00	28.400
	64QAM	Low	2125.00	28.409
		Middle	2145.00	28.365
		High	2165.00	28.340
	256QAM	Low	2125.00	28.477
		Middle	2145.00	28.337
		High	2165.00	28.442
Port 2	QPSK	Low	2125.00	28.359
		Middle	2145.00	28.409
		High	2165.00	28.402
	16QAM	Low	2125.00	28.308
		Middle	2145.00	28.430
		High	2165.00	28.400
	64QAM	Low	2125.00	28.423
		Middle	2145.00	28.347
		High	2165.00	28.374
	256QAM	Low	2125.00	28.381
		Middle	2145.00	28.389
		High	2165.00	28.360
Port 3	QPSK	Low	2125.00	28.400
		Middle	2145.00	28.435
		High	2165.00	28.467
	16QAM	Low	2125.00	28.363
		Middle	2145.00	28.447
		High	2165.00	28.386
	64QAM	Low	2125.00	28.450
		Middle	2145.00	28.375
		High	2165.00	28.402
	256QAM	Low	2125.00	28.372
		Middle	2145.00	28.391
		High	2165.00	28.416

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 4	QPSK	Low	2125.00	28.387
		Middle	2145.00	28.415
		High	2165.00	28.418
	16QAM	Low	2125.00	28.432
		Middle	2145.00	28.438
		High	2165.00	28.370
	64QAM	Low	2125.00	28.372
		Middle	2145.00	28.431
		High	2165.00	28.416
	256QAM	Low	2125.00	28.380
		Middle	2145.00	28.396
		High	2165.00	28.388
Port 5	QPSK	Low	2125.00	28.401
		Middle	2145.00	28.374
		High	2165.00	28.377
	16QAM	Low	2125.00	28.388
		Middle	2145.00	28.451
		High	2165.00	28.421
	64QAM	Low	2125.00	28.402
		Middle	2145.00	28.383
		High	2165.00	28.413
	256QAM	Low	2125.00	28.410
		Middle	2145.00	28.425
		High	2165.00	28.396
Port 6	QPSK	Low	2125.00	28.336
		Middle	2145.00	28.377
		High	2165.00	28.393
	16QAM	Low	2125.00	28.406
		Middle	2145.00	28.381
		High	2165.00	28.447
	64QAM	Low	2125.00	28.398
		Middle	2145.00	28.419
		High	2165.00	28.377
	256QAM	Low	2125.00	28.383
		Middle	2145.00	28.402
		High	2165.00	28.416

Port 7	QPSK	Low	2125.00	28.376
		Middle	2145.00	28.437
		High	2165.00	28.447
	16QAM	Low	2125.00	28.399
		Middle	2145.00	28.353
		High	2165.00	28.447
	64QAM	Low	2125.00	28.410
		Middle	2145.00	28.385
		High	2165.00	28.412
	256QAM	Low	2125.00	28.378
		Middle	2145.00	28.388
		High	2165.00	28.384
Port 8	QPSK	Low	2125.00	28.468
		Middle	2145.00	28.409
		High	2165.00	28.411
	16QAM	Low	2125.00	28.298
		Middle	2145.00	28.287
		High	2165.00	28.430
	64QAM	Low	2125.00	28.427
		Middle	2145.00	28.377
		High	2165.00	28.346
	256QAM	Low	2125.00	28.383
		Middle	2145.00	28.462
		High	2165.00	28.481
Port 9	QPSK	Low	2125.00	28.358
		Middle	2145.00	28.379
		High	2165.00	28.455
	16QAM	Low	2125.00	28.411
		Middle	2145.00	28.390
		High	2165.00	28.500
	64QAM	Low	2125.00	28.391
		Middle	2145.00	28.401
		High	2165.00	28.389
	256QAM	Low	2125.00	28.377
		Middle	2145.00	28.411
		High	2165.00	28.372

Port 10	QPSK	Low	2125.00	28.370
		Middle	2145.00	28.406
		High	2165.00	28.392
	16QAM	Low	2125.00	28.346
		Middle	2145.00	28.463
		High	2165.00	28.455
	64QAM	Low	2125.00	28.380
		Middle	2145.00	28.336
		High	2165.00	28.391
	256QAM	Low	2125.00	28.350
		Middle	2145.00	28.375
		High	2165.00	28.350
Port 11	QPSK	Low	2125.00	28.449
		Middle	2145.00	28.381
		High	2165.00	28.420
	16QAM	Low	2125.00	28.421
		Middle	2145.00	28.374
		High	2165.00	28.471
	64QAM	Low	2125.00	28.392
		Middle	2145.00	28.377
		High	2165.00	28.365
	256QAM	Low	2125.00	28.334
		Middle	2145.00	28.376
		High	2165.00	28.343
Port 12	QPSK	Low	2125.00	28.393
		Middle	2145.00	28.388
		High	2165.00	28.440
	16QAM	Low	2125.00	28.412
		Middle	2145.00	28.380
		High	2165.00	28.459
	64QAM	Low	2125.00	28.342
		Middle	2145.00	28.361
		High	2165.00	28.362
	256QAM	Low	2125.00	28.502
		Middle	2145.00	28.413
		High	2165.00	28.398

Port 13	QPSK	Low	2125.00	28.393
		Middle	2145.00	28.415
		High	2165.00	28.381
	16QAM	Low	2125.00	28.439
		Middle	2145.00	28.402
		High	2165.00	28.416
	64QAM	Low	2125.00	28.431
		Middle	2145.00	28.342
		High	2165.00	28.377
	256QAM	Low	2125.00	28.407
		Middle	2145.00	28.495
		High	2165.00	28.348
Port 14	QPSK	Low	2125.00	28.389
		Middle	2145.00	28.420
		High	2165.00	28.397
	16QAM	Low	2125.00	28.415
		Middle	2145.00	28.438
		High	2165.00	28.422
	64QAM	Low	2125.00	28.372
		Middle	2145.00	28.407
		High	2165.00	28.397
	256QAM	Low	2125.00	28.358
		Middle	2145.00	28.388
		High	2165.00	28.395
Port 15	QPSK	Low	2125.00	28.398
		Middle	2145.00	28.457
		High	2165.00	28.402
	16QAM	Low	2125.00	28.374
		Middle	2145.00	28.478
		High	2165.00	28.547
	64QAM	Low	2125.00	28.397
		Middle	2145.00	28.372
		High	2165.00	28.352
	256QAM	Low	2125.00	28.453
		Middle	2145.00	28.402
		High	2165.00	28.439

Port 16	QPSK	Low	2125.00	28.388
		Middle	2145.00	28.364
		High	2165.00	28.444
	16QAM	Low	2125.00	28.373
		Middle	2145.00	28.418
		High	2165.00	28.485
	64QAM	Low	2125.00	28.435
		Middle	2145.00	28.388
		High	2165.00	28.390
	256QAM	Low	2125.00	28.415
		Middle	2145.00	28.417
		High	2165.00	28.386

LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier [3 Carrier]

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 1	QPSK	Low	1942.50	24.076
		Middle	1962.50	24.148
		High	1982.50	24.111
	16QAM	Low	1942.50	24.118
		Middle	1962.50	24.218
		High	1982.50	24.163
	64QAM	Low	1942.50	24.109
		Middle	1962.50	24.126
		High	1982.50	24.215
	256QAM	Low	1942.50	24.188
		Middle	1962.50	24.130
		High	1982.50	24.179
Port 2	QPSK	Low	1942.50	24.125
		Middle	1962.50	24.145
		High	1982.50	24.174
	16QAM	Low	1942.50	24.164
		Middle	1962.50	24.127
		High	1982.50	24.214
	64QAM	Low	1942.50	24.170
		Middle	1962.50	24.146
		High	1982.50	24.159
	256QAM	Low	1942.50	24.092
		Middle	1962.50	24.163
		High	1982.50	24.160
Port 3	QPSK	Low	1942.50	24.130
		Middle	1962.50	24.193
		High	1982.50	24.155
	16QAM	Low	1942.50	24.086
		Middle	1962.50	24.151
		High	1982.50	24.130
	64QAM	Low	1942.50	24.080
		Middle	1962.50	24.124
		High	1982.50	24.175
	256QAM	Low	1942.50	24.114
		Middle	1962.50	24.117
		High	1982.50	24.143

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 4	QPSK	Low	1942.50	24.151
		Middle	1962.50	24.200
		High	1982.50	24.193
	16QAM	Low	1942.50	24.179
		Middle	1962.50	24.068
		High	1982.50	24.135
	64QAM	Low	1942.50	24.119
		Middle	1962.50	24.171
		High	1982.50	24.113
	256QAM	Low	1942.50	24.123
		Middle	1962.50	24.168
		High	1982.50	24.153
Port 5	QPSK	Low	1942.50	24.108
		Middle	1962.50	24.192
		High	1982.50	24.157
	16QAM	Low	1942.50	24.133
		Middle	1962.50	24.140
		High	1982.50	24.102
	64QAM	Low	1942.50	24.133
		Middle	1962.50	24.147
		High	1982.50	24.139
	256QAM	Low	1942.50	24.130
		Middle	1962.50	24.163
		High	1982.50	24.134
Port 6	QPSK	Low	1942.50	24.087
		Middle	1962.50	24.134
		High	1982.50	24.157
	16QAM	Low	1942.50	24.215
		Middle	1962.50	24.126
		High	1982.50	24.198
	64QAM	Low	1942.50	24.110
		Middle	1962.50	24.118
		High	1982.50	24.198
	256QAM	Low	1942.50	24.086
		Middle	1962.50	24.122
		High	1982.50	24.157

Port 7	QPSK	Low	1942.50	24.153
		Middle	1962.50	24.167
		High	1982.50	24.132
	16QAM	Low	1942.50	24.172
		Middle	1962.50	24.156
		High	1982.50	24.137
	64QAM	Low	1942.50	24.136
		Middle	1962.50	24.146
		High	1982.50	24.144
	256QAM	Low	1942.50	24.138
		Middle	1962.50	24.177
		High	1982.50	24.190
Port 8	QPSK	Low	1942.50	24.133
		Middle	1962.50	24.103
		High	1982.50	24.182
	16QAM	Low	1942.50	24.108
		Middle	1962.50	24.072
		High	1982.50	24.064
	64QAM	Low	1942.50	24.143
		Middle	1962.50	24.162
		High	1982.50	24.174
	256QAM	Low	1942.50	24.130
		Middle	1962.50	24.154
		High	1982.50	24.157
Port 9	QPSK	Low	1942.50	24.119
		Middle	1962.50	24.125
		High	1982.50	24.152
	16QAM	Low	1942.50	24.125
		Middle	1962.50	24.113
		High	1982.50	24.226
	64QAM	Low	1942.50	24.175
		Middle	1962.50	24.129
		High	1982.50	24.170
	256QAM	Low	1942.50	24.103
		Middle	1962.50	24.128
		High	1982.50	24.184

Port 10	QPSK	Low	1942.50	24.101
		Middle	1962.50	24.128
		High	1982.50	24.144
	16QAM	Low	1942.50	24.093
		Middle	1962.50	24.130
		High	1982.50	24.112
	64QAM	Low	1942.50	24.143
		Middle	1962.50	24.148
		High	1982.50	24.169
	256QAM	Low	1942.50	24.114
		Middle	1962.50	24.206
		High	1982.50	24.164
Port 11	QPSK	Low	1942.50	24.115
		Middle	1962.50	24.135
		High	1982.50	24.161
	16QAM	Low	1942.50	24.131
		Middle	1962.50	24.145
		High	1982.50	24.144
	64QAM	Low	1942.50	24.178
		Middle	1962.50	24.130
		High	1982.50	24.177
	256QAM	Low	1942.50	24.155
		Middle	1962.50	24.082
		High	1982.50	24.157
Port 12	QPSK	Low	1942.50	24.146
		Middle	1962.50	24.139
		High	1982.50	24.214
	16QAM	Low	1942.50	24.150
		Middle	1962.50	24.150
		High	1982.50	24.127
	64QAM	Low	1942.50	24.115
		Middle	1962.50	24.135
		High	1982.50	24.174
	256QAM	Low	1942.50	24.151
		Middle	1962.50	24.170
		High	1982.50	24.139

Port 13	QPSK	Low	1942.50	24.137
		Middle	1962.50	24.182
		High	1982.50	24.152
	16QAM	Low	1942.50	24.129
		Middle	1962.50	24.216
		High	1982.50	24.136
	64QAM	Low	1942.50	24.091
		Middle	1962.50	24.216
		High	1982.50	24.199
	256QAM	Low	1942.50	24.165
		Middle	1962.50	24.109
		High	1982.50	24.168
Port 14	QPSK	Low	1942.50	24.114
		Middle	1962.50	24.144
		High	1982.50	24.190
	16QAM	Low	1942.50	24.236
		Middle	1962.50	24.172
		High	1982.50	24.136
	64QAM	Low	1942.50	24.157
		Middle	1962.50	24.182
		High	1982.50	24.193
	256QAM	Low	1942.50	24.112
		Middle	1962.50	24.165
		High	1982.50	24.179
Port 15	QPSK	Low	1942.50	24.128
		Middle	1962.50	24.136
		High	1982.50	24.142
	16QAM	Low	1942.50	24.216
		Middle	1962.50	24.118
		High	1982.50	24.200
	64QAM	Low	1942.50	24.149
		Middle	1962.50	24.159
		High	1982.50	24.132
	256QAM	Low	1942.50	24.089
		Middle	1962.50	24.123
		High	1982.50	24.152

Port 16	QPSK	Low	1942.50	24.146
		Middle	1962.50	24.168
		High	1982.50	24.159
	16QAM	Low	1942.50	24.140
		Middle	1962.50	24.131
		High	1982.50	24.213
	64QAM	Low	1942.50	24.143
		Middle	1962.50	24.176
		High	1982.50	24.148
	256QAM	Low	1942.50	24.134
		Middle	1962.50	24.168
		High	1982.50	24.145

LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier [3 Carrier]

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 1	QPSK	Low	1945.00	28.875
		Middle	1962.50	28.858
		High	1980.00	28.889
	16QAM	Low	1945.00	28.891
		Middle	1962.50	28.984
		High	1980.00	28.984
	64QAM	Low	1945.00	28.875
		Middle	1962.50	28.925
		High	1980.00	28.894
	256QAM	Low	1945.00	28.845
		Middle	1962.50	28.826
		High	1980.00	28.856
Port 2	QPSK	Low	1945.00	28.918
		Middle	1962.50	28.867
		High	1980.00	28.880
	16QAM	Low	1945.00	28.887
		Middle	1962.50	28.926
		High	1980.00	28.857
	64QAM	Low	1945.00	28.893
		Middle	1962.50	28.846
		High	1980.00	28.910
	256QAM	Low	1945.00	28.839
		Middle	1962.50	28.880
		High	1980.00	28.858
Port 3	QPSK	Low	1945.00	28.864
		Middle	1962.50	28.877
		High	1980.00	28.885
	16QAM	Low	1945.00	28.858
		Middle	1962.50	28.923
		High	1980.00	28.914
	64QAM	Low	1945.00	28.884
		Middle	1962.50	28.851
		High	1980.00	28.935
	256QAM	Low	1945.00	28.810
		Middle	1962.50	28.928
		High	1980.00	28.917

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 4	QPSK	Low	1945.00	28.900
		Middle	1962.50	28.920
		High	1980.00	28.852
	16QAM	Low	1945.00	28.854
		Middle	1962.50	28.843
		High	1980.00	28.845
	64QAM	Low	1945.00	28.930
		Middle	1962.50	28.807
		High	1980.00	28.916
	256QAM	Low	1945.00	28.840
		Middle	1962.50	28.857
		High	1980.00	28.931
Port 5	QPSK	Low	1945.00	28.863
		Middle	1962.50	28.846
		High	1980.00	28.900
	16QAM	Low	1945.00	28.876
		Middle	1962.50	28.849
		High	1980.00	28.856
	64QAM	Low	1945.00	28.897
		Middle	1962.50	28.881
		High	1980.00	28.907
	256QAM	Low	1945.00	28.869
		Middle	1962.50	28.839
		High	1980.00	28.871
Port 6	QPSK	Low	1945.00	28.860
		Middle	1962.50	28.848
		High	1980.00	28.824
	16QAM	Low	1945.00	28.900
		Middle	1962.50	28.855
		High	1980.00	28.887
	64QAM	Low	1945.00	28.894
		Middle	1962.50	28.876
		High	1980.00	28.904
	256QAM	Low	1945.00	28.912
		Middle	1962.50	28.856
		High	1980.00	28.899

Port 7	QPSK	Low	1945.00	28.900
		Middle	1962.50	28.853
		High	1980.00	28.886
	16QAM	Low	1945.00	28.966
		Middle	1962.50	28.923
		High	1980.00	28.867
	64QAM	Low	1945.00	28.870
		Middle	1962.50	28.912
		High	1980.00	28.877
	256QAM	Low	1945.00	28.878
		Middle	1962.50	28.935
		High	1980.00	28.934
Port 8	QPSK	Low	1945.00	28.848
		Middle	1962.50	28.946
		High	1980.00	28.782
	16QAM	Low	1945.00	28.861
		Middle	1962.50	28.830
		High	1980.00	28.952
	64QAM	Low	1945.00	28.821
		Middle	1962.50	28.856
		High	1980.00	28.837
	256QAM	Low	1945.00	28.831
		Middle	1962.50	28.826
		High	1980.00	28.881
Port 9	QPSK	Low	1945.00	28.908
		Middle	1962.50	28.852
		High	1980.00	28.856
	16QAM	Low	1945.00	28.849
		Middle	1962.50	28.851
		High	1980.00	28.813
	64QAM	Low	1945.00	28.822
		Middle	1962.50	28.838
		High	1980.00	28.872
	256QAM	Low	1945.00	28.837
		Middle	1962.50	28.856
		High	1980.00	28.864

Port 10	QPSK	Low	1945.00	28.852
		Middle	1962.50	28.870
		High	1980.00	28.866
	16QAM	Low	1945.00	28.849
		Middle	1962.50	28.886
		High	1980.00	28.816
	64QAM	Low	1945.00	28.865
		Middle	1962.50	28.945
		High	1980.00	28.868
	256QAM	Low	1945.00	28.887
		Middle	1962.50	28.877
		High	1980.00	28.886
Port 11	QPSK	Low	1945.00	28.930
		Middle	1962.50	28.922
		High	1980.00	28.935
	16QAM	Low	1945.00	28.867
		Middle	1962.50	28.865
		High	1980.00	28.810
	64QAM	Low	1945.00	28.906
		Middle	1962.50	28.852
		High	1980.00	28.847
	256QAM	Low	1945.00	28.872
		Middle	1962.50	28.940
		High	1980.00	28.894
Port 12	QPSK	Low	1945.00	28.829
		Middle	1962.50	28.813
		High	1980.00	28.886
	16QAM	Low	1945.00	28.814
		Middle	1962.50	28.739
		High	1980.00	28.921
	64QAM	Low	1945.00	28.930
		Middle	1962.50	28.857
		High	1980.00	28.795
	256QAM	Low	1945.00	28.911
		Middle	1962.50	28.863
		High	1980.00	28.847

Port 13	QPSK	Low	1945.00	28.912
		Middle	1962.50	28.843
		High	1980.00	28.873
	16QAM	Low	1945.00	28.969
		Middle	1962.50	28.916
		High	1980.00	28.850
	64QAM	Low	1945.00	28.901
		Middle	1962.50	28.924
		High	1980.00	28.931
	256QAM	Low	1945.00	28.831
		Middle	1962.50	28.900
		High	1980.00	28.939
Port 14	QPSK	Low	1945.00	28.915
		Middle	1962.50	28.900
		High	1980.00	28.912
	16QAM	Low	1945.00	28.994
		Middle	1962.50	28.809
		High	1980.00	28.911
	64QAM	Low	1945.00	28.833
		Middle	1962.50	28.859
		High	1980.00	28.891
	256QAM	Low	1945.00	28.831
		Middle	1962.50	28.895
		High	1980.00	28.896
Port 15	QPSK	Low	1945.00	28.861
		Middle	1962.50	28.832
		High	1980.00	28.892
	16QAM	Low	1945.00	28.842
		Middle	1962.50	28.838
		High	1980.00	28.882
	64QAM	Low	1945.00	28.905
		Middle	1962.50	28.921
		High	1980.00	28.881
	256QAM	Low	1945.00	28.843
		Middle	1962.50	28.829
		High	1980.00	28.878

Port 16	QPSK	Low	1945.00	28.839
		Middle	1962.50	28.876
		High	1980.00	28.898
	16QAM	Low	1945.00	28.856
		Middle	1962.50	28.877
		High	1980.00	28.916
	64QAM	Low	1945.00	28.922
		Middle	1962.50	28.873
		High	1980.00	28.911
	256QAM	Low	1945.00	28.884
		Middle	1962.50	28.897
		High	1980.00	28.902

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier [3 Carrier]

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 1	QPSK	Low	2127.50	33.649
		Middle	2145.00	33.697
		High	2162.50	33.583
	16QAM	Low	2127.50	33.656
		Middle	2145.00	33.614
		High	2162.50	33.612
	64QAM	Low	2127.50	33.611
		Middle	2145.00	33.590
		High	2162.50	33.592
	256QAM	Low	2127.50	33.605
		Middle	2145.00	33.608
		High	2162.50	33.629
Port 2	QPSK	Low	2127.50	33.582
		Middle	2145.00	33.613
		High	2162.50	33.549
	16QAM	Low	2127.50	33.543
		Middle	2145.00	33.627
		High	2162.50	33.622
	64QAM	Low	2127.50	33.553
		Middle	2145.00	33.594
		High	2162.50	33.637
	256QAM	Low	2127.50	33.558
		Middle	2145.00	33.576
		High	2162.50	33.620
Port 3	QPSK	Low	2127.50	33.617
		Middle	2145.00	33.535
		High	2162.50	33.566
	16QAM	Low	2127.50	33.575
		Middle	2145.00	33.562
		High	2162.50	33.594
	64QAM	Low	2127.50	33.556
		Middle	2145.00	33.612
		High	2162.50	33.568
	256QAM	Low	2127.50	33.565
		Middle	2145.00	33.624
		High	2162.50	33.588

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 4	QPSK	Low	2127.50	33.586
		Middle	2145.00	33.564
		High	2162.50	33.550
	16QAM	Low	2127.50	33.572
		Middle	2145.00	33.536
		High	2162.50	33.665
	64QAM	Low	2127.50	33.550
		Middle	2145.00	33.618
		High	2162.50	33.581
	256QAM	Low	2127.50	33.570
		Middle	2145.00	33.512
		High	2162.50	33.535
Port 5	QPSK	Low	2127.50	33.563
		Middle	2145.00	33.512
		High	2162.50	33.615
	16QAM	Low	2127.50	33.577
		Middle	2145.00	33.528
		High	2162.50	33.606
	64QAM	Low	2127.50	33.592
		Middle	2145.00	33.603
		High	2162.50	33.581
	256QAM	Low	2127.50	33.595
		Middle	2145.00	33.615
		High	2162.50	33.573
Port 6	QPSK	Low	2127.50	33.577
		Middle	2145.00	33.597
		High	2162.50	33.589
	16QAM	Low	2127.50	33.639
		Middle	2145.00	33.573
		High	2162.50	33.604
	64QAM	Low	2127.50	33.610
		Middle	2145.00	33.545
		High	2162.50	33.611
	256QAM	Low	2127.50	33.576
		Middle	2145.00	33.571
		High	2162.50	33.593

Port 7	QPSK	Low	2127.50	33.621
		Middle	2145.00	33.581
		High	2162.50	33.565
	16QAM	Low	2127.50	33.582
		Middle	2145.00	33.585
		High	2162.50	33.717
	64QAM	Low	2127.50	33.537
		Middle	2145.00	33.623
		High	2162.50	33.568
	256QAM	Low	2127.50	33.622
		Middle	2145.00	33.534
		High	2162.50	33.532
Port 8	QPSK	Low	2127.50	33.651
		Middle	2145.00	33.524
		High	2162.50	33.605
	16QAM	Low	2127.50	33.607
		Middle	2145.00	33.663
		High	2162.50	33.642
	64QAM	Low	2127.50	33.607
		Middle	2145.00	33.576
		High	2162.50	33.614
	256QAM	Low	2127.50	33.615
		Middle	2145.00	33.597
		High	2162.50	33.563
Port 9	QPSK	Low	2127.50	33.582
		Middle	2145.00	33.566
		High	2162.50	33.537
	16QAM	Low	2127.50	33.597
		Middle	2145.00	33.593
		High	2162.50	33.654
	64QAM	Low	2127.50	33.572
		Middle	2145.00	33.620
		High	2162.50	33.655
	256QAM	Low	2127.50	33.586
		Middle	2145.00	33.625
		High	2162.50	33.633

Port 10	QPSK	Low	2127.50	33.608
		Middle	2145.00	33.573
		High	2162.50	33.596
	16QAM	Low	2127.50	33.655
		Middle	2145.00	33.658
		High	2162.50	33.635
	64QAM	Low	2127.50	33.590
		Middle	2145.00	33.678
		High	2162.50	33.579
	256QAM	Low	2127.50	33.597
		Middle	2145.00	33.557
		High	2162.50	33.580
Port 11	QPSK	Low	2127.50	33.531
		Middle	2145.00	33.584
		High	2162.50	33.569
	16QAM	Low	2127.50	33.704
		Middle	2145.00	33.695
		High	2162.50	33.707
	64QAM	Low	2127.50	33.579
		Middle	2145.00	33.569
		High	2162.50	33.549
	256QAM	Low	2127.50	33.603
		Middle	2145.00	33.665
		High	2162.50	33.546
Port 12	QPSK	Low	2127.50	33.600
		Middle	2145.00	33.660
		High	2162.50	33.550
	16QAM	Low	2127.50	33.556
		Middle	2145.00	33.670
		High	2162.50	33.663
	64QAM	Low	2127.50	33.585
		Middle	2145.00	33.600
		High	2162.50	33.625
	256QAM	Low	2127.50	33.668
		Middle	2145.00	33.623
		High	2162.50	33.589

Port 13	QPSK	Low	2127.50	33.615
		Middle	2145.00	33.534
		High	2162.50	33.577
	16QAM	Low	2127.50	33.714
		Middle	2145.00	33.579
		High	2162.50	33.591
	64QAM	Low	2127.50	33.630
		Middle	2145.00	33.596
		High	2162.50	33.627
	256QAM	Low	2127.50	33.577
		Middle	2145.00	33.587
		High	2162.50	33.536
Port 14	QPSK	Low	2127.50	33.538
		Middle	2145.00	33.609
		High	2162.50	33.601
	16QAM	Low	2127.50	33.605
		Middle	2145.00	33.631
		High	2162.50	33.633
	64QAM	Low	2127.50	33.624
		Middle	2145.00	33.540
		High	2162.50	33.600
	256QAM	Low	2127.50	33.572
		Middle	2145.00	33.562
		High	2162.50	33.544
Port 15	QPSK	Low	2127.50	33.557
		Middle	2145.00	33.602
		High	2162.50	33.599
	16QAM	Low	2127.50	33.662
		Middle	2145.00	33.663
		High	2162.50	33.593
	64QAM	Low	2127.50	33.572
		Middle	2145.00	33.544
		High	2162.50	33.593
	256QAM	Low	2127.50	33.598
		Middle	2145.00	33.645
		High	2162.50	33.589

Port 16	QPSK	Low	2127.50	33.581
		Middle	2145.00	33.583
		High	2162.50	33.568
	16QAM	Low	2127.50	33.603
		Middle	2145.00	33.615
		High	2162.50	33.598
	64QAM	Low	2127.50	33.611
		Middle	2145.00	33.594
		High	2162.50	33.613
	256QAM	Low	2127.50	33.569
		Middle	2145.00	33.566
		High	2162.50	33.565

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier [3 Carrier]

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 1	QPSK	Low	2132.50	43.297
		Middle	2145.00	43.242
		High	2157.50	43.360
	16QAM	Low	2132.50	43.271
		Middle	2145.00	43.301
		High	2157.50	43.368
	64QAM	Low	2132.50	43.269
		Middle	2145.00	43.286
		High	2157.50	43.281
	256QAM	Low	2132.50	43.335
		Middle	2145.00	43.242
		High	2157.50	43.306
Port 2	QPSK	Low	2132.50	43.249
		Middle	2145.00	43.358
		High	2157.50	43.297
	16QAM	Low	2132.50	43.295
		Middle	2145.00	43.266
		High	2157.50	43.373
	64QAM	Low	2132.50	43.277
		Middle	2145.00	43.277
		High	2157.50	43.233
	256QAM	Low	2132.50	43.299
		Middle	2145.00	43.201
		High	2157.50	43.224
Port 3	QPSK	Low	2132.50	43.281
		Middle	2145.00	43.236
		High	2157.50	43.305
	16QAM	Low	2132.50	43.250
		Middle	2145.00	43.331
		High	2157.50	43.339
	64QAM	Low	2132.50	43.289
		Middle	2145.00	43.246
		High	2157.50	43.272
	256QAM	Low	2132.50	43.311
		Middle	2145.00	43.301
		High	2157.50	43.363

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 4	QPSK	Low	2132.50	43.317
		Middle	2145.00	43.303
		High	2157.50	43.244
	16QAM	Low	2132.50	43.228
		Middle	2145.00	43.267
		High	2157.50	43.386
	64QAM	Low	2132.50	43.244
		Middle	2145.00	43.307
		High	2157.50	43.280
	256QAM	Low	2132.50	43.238
		Middle	2145.00	43.226
		High	2157.50	43.292
Port 5	QPSK	Low	2132.50	43.257
		Middle	2145.00	43.279
		High	2157.50	43.268
	16QAM	Low	2132.50	43.346
		Middle	2145.00	43.289
		High	2157.50	43.376
	64QAM	Low	2132.50	43.333
		Middle	2145.00	43.275
		High	2157.50	43.322
	256QAM	Low	2132.50	43.273
		Middle	2145.00	43.292
		High	2157.50	43.188
Port 6	QPSK	Low	2132.50	43.270
		Middle	2145.00	43.252
		High	2157.50	43.403
	16QAM	Low	2132.50	43.284
		Middle	2145.00	43.296
		High	2157.50	43.335
	64QAM	Low	2132.50	43.278
		Middle	2145.00	43.270
		High	2157.50	43.353
	256QAM	Low	2132.50	43.335
		Middle	2145.00	43.349
		High	2157.50	43.378

Port 7	QPSK	Low	2132.50	43.242
		Middle	2145.00	43.314
		High	2157.50	43.374
	16QAM	Low	2132.50	43.182
		Middle	2145.00	43.320
		High	2157.50	43.346
	64QAM	Low	2132.50	43.305
		Middle	2145.00	43.256
		High	2157.50	43.316
	256QAM	Low	2132.50	43.323
		Middle	2145.00	43.293
		High	2157.50	43.349
Port 8	QPSK	Low	2132.50	43.281
		Middle	2145.00	43.266
		High	2157.50	43.219
	16QAM	Low	2132.50	43.328
		Middle	2145.00	43.323
		High	2157.50	43.219
	64QAM	Low	2132.50	43.286
		Middle	2145.00	43.290
		High	2157.50	43.219
	256QAM	Low	2132.50	43.269
		Middle	2145.00	43.249
		High	2157.50	43.357
Port 9	QPSK	Low	2132.50	43.316
		Middle	2145.00	43.275
		High	2157.50	43.341
	16QAM	Low	2132.50	43.321
		Middle	2145.00	43.274
		High	2157.50	43.316
	64QAM	Low	2132.50	43.267
		Middle	2145.00	43.253
		High	2157.50	43.205
	256QAM	Low	2132.50	43.317
		Middle	2145.00	43.393
		High	2157.50	43.272

Port 10	QPSK	Low	2132.50	43.319
		Middle	2145.00	43.297
		High	2157.50	43.313
	16QAM	Low	2132.50	43.177
		Middle	2145.00	43.297
		High	2157.50	43.221
	64QAM	Low	2132.50	43.293
		Middle	2145.00	43.294
		High	2157.50	43.272
	256QAM	Low	2132.50	43.255
		Middle	2145.00	43.298
		High	2157.50	43.285
Port 11	QPSK	Low	2132.50	43.198
		Middle	2145.00	43.236
		High	2157.50	43.337
	16QAM	Low	2132.50	43.243
		Middle	2145.00	43.353
		High	2157.50	43.288
	64QAM	Low	2132.50	43.298
		Middle	2145.00	43.258
		High	2157.50	43.271
	256QAM	Low	2132.50	43.321
		Middle	2145.00	43.375
		High	2157.50	43.271
Port 12	QPSK	Low	2132.50	43.277
		Middle	2145.00	43.383
		High	2157.50	43.311
	16QAM	Low	2132.50	43.320
		Middle	2145.00	43.266
		High	2157.50	43.349
	64QAM	Low	2132.50	43.191
		Middle	2145.00	43.333
		High	2157.50	43.356
	256QAM	Low	2132.50	43.219
		Middle	2145.00	43.361
		High	2157.50	43.252

Port 13	QPSK	Low	2132.50	43.307
		Middle	2145.00	43.233
		High	2157.50	43.369
	16QAM	Low	2132.50	43.247
		Middle	2145.00	43.245
		High	2157.50	43.243
	64QAM	Low	2132.50	43.241
		Middle	2145.00	43.301
		High	2157.50	43.281
	256QAM	Low	2132.50	43.345
		Middle	2145.00	43.360
		High	2157.50	43.318
Port 14	QPSK	Low	2132.50	43.398
		Middle	2145.00	43.321
		High	2157.50	43.263
	16QAM	Low	2132.50	43.347
		Middle	2145.00	43.198
		High	2157.50	43.321
	64QAM	Low	2132.50	43.298
		Middle	2145.00	43.305
		High	2157.50	43.246
	256QAM	Low	2132.50	43.410
		Middle	2145.00	43.253
		High	2157.50	43.219
Port 15	QPSK	Low	2132.50	43.255
		Middle	2145.00	43.222
		High	2157.50	43.256
	16QAM	Low	2132.50	43.325
		Middle	2145.00	43.347
		High	2157.50	43.339
	64QAM	Low	2132.50	43.256
		Middle	2145.00	43.256
		High	2157.50	43.160
	256QAM	Low	2132.50	43.277
		Middle	2145.00	43.333
		High	2157.50	43.260

Port 16	QPSK	Low	2132.50	43.241
		Middle	2145.00	43.189
		High	2157.50	43.260
	16QAM	Low	2132.50	43.286
		Middle	2145.00	43.368
		High	2157.50	43.289
	64QAM	Low	2132.50	43.298
		Middle	2145.00	43.283
		High	2157.50	43.293
	256QAM	Low	2132.50	43.314
		Middle	2145.00	43.284
		High	2157.50	43.397

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier
[4 Carrier]

Port	Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
Port 1	QPSK	Low	2135.00	48.187
		Middle	2145.00	48.215
		High	2155.00	48.300
	16QAM	Low	2135.00	48.219
		Middle	2145.00	48.272
		High	2155.00	48.410
	64QAM	Low	2135.00	48.262
		Middle	2145.00	48.204
		High	2155.00	48.249
	256QAM	Low	2135.00	48.212
		Middle	2145.00	48.326
		High	2155.00	48.291
Port 2	QPSK	Low	2135.00	48.167
		Middle	2145.00	48.251
		High	2155.00	48.294
	16QAM	Low	2135.00	48.227
		Middle	2145.00	48.338
		High	2155.00	48.304
	64QAM	Low	2135.00	48.358
		Middle	2145.00	48.268
		High	2155.00	48.278
	256QAM	Low	2135.00	48.219
		Middle	2145.00	48.384
		High	2155.00	48.396

Port 3	QPSK	Low	2135.00	48.218
		Middle	2145.00	48.324
		High	2155.00	48.269
	16QAM	Low	2135.00	48.276
		Middle	2145.00	48.207
		High	2155.00	48.258
	64QAM	Low	2135.00	48.297
		Middle	2145.00	48.339
		High	2155.00	48.244
	256QAM	Low	2135.00	48.222
		Middle	2145.00	48.378
		High	2155.00	48.259
Port 4	QPSK	Low	2135.00	48.210
		Middle	2145.00	48.189
		High	2155.00	48.264
	16QAM	Low	2135.00	48.198
		Middle	2145.00	48.316
		High	2155.00	48.215
	64QAM	Low	2135.00	48.262
		Middle	2145.00	48.281
		High	2155.00	48.259
	256QAM	Low	2135.00	48.310
		Middle	2145.00	48.278
		High	2155.00	48.343
Port 5	QPSK	Low	2135.00	48.278
		Middle	2145.00	48.246
		High	2155.00	48.232
	16QAM	Low	2135.00	48.196
		Middle	2145.00	48.252
		High	2155.00	48.276
	64QAM	Low	2135.00	48.226
		Middle	2145.00	48.223
		High	2155.00	48.261
	256QAM	Low	2135.00	48.335
		Middle	2145.00	48.193
		High	2155.00	48.173

Port 6	QPSK	Low	2135.00	48.209
		Middle	2145.00	48.304
		High	2155.00	48.229
	16QAM	Low	2135.00	48.195
		Middle	2145.00	48.243
		High	2155.00	48.344
	64QAM	Low	2135.00	48.249
		Middle	2145.00	48.288
		High	2155.00	48.203
	256QAM	Low	2135.00	48.339
		Middle	2145.00	48.408
		High	2155.00	48.231
Port 7	QPSK	Low	2135.00	48.216
		Middle	2145.00	48.285
		High	2155.00	48.201
	16QAM	Low	2135.00	48.240
		Middle	2145.00	48.262
		High	2155.00	48.309
	64QAM	Low	2135.00	48.303
		Middle	2145.00	48.297
		High	2155.00	48.284
	256QAM	Low	2135.00	48.207
		Middle	2145.00	48.313
		High	2155.00	48.249
Port 8	QPSK	Low	2135.00	48.232
		Middle	2145.00	48.294
		High	2155.00	48.368
	16QAM	Low	2135.00	48.204
		Middle	2145.00	48.223
		High	2155.00	48.199
	64QAM	Low	2135.00	48.346
		Middle	2145.00	48.243
		High	2155.00	48.233
	256QAM	Low	2135.00	48.346
		Middle	2145.00	48.261
		High	2155.00	48.332

Port 9	QPSK	Low	2135.00	48.285
		Middle	2145.00	48.226
		High	2155.00	48.291
	16QAM	Low	2135.00	48.313
		Middle	2145.00	48.270
		High	2155.00	48.329
	64QAM	Low	2135.00	48.240
		Middle	2145.00	48.233
		High	2155.00	48.169
	256QAM	Low	2135.00	48.281
		Middle	2145.00	48.289
		High	2155.00	48.275
Port 10	QPSK	Low	2135.00	48.303
		Middle	2145.00	48.254
		High	2155.00	48.296
	16QAM	Low	2135.00	48.155
		Middle	2145.00	48.218
		High	2155.00	48.381
	64QAM	Low	2135.00	48.172
		Middle	2145.00	48.361
		High	2155.00	48.261
	256QAM	Low	2135.00	48.343
		Middle	2145.00	48.255
		High	2155.00	48.285
Port 11	QPSK	Low	2135.00	48.162
		Middle	2145.00	48.252
		High	2155.00	48.247
	16QAM	Low	2135.00	48.230
		Middle	2145.00	48.256
		High	2155.00	48.293
	64QAM	Low	2135.00	48.298
		Middle	2145.00	48.215
		High	2155.00	48.225
	256QAM	Low	2135.00	48.347
		Middle	2145.00	48.312
		High	2155.00	48.260

Port 12	QPSK	Low	2135.00	48.258
		Middle	2145.00	48.268
		High	2155.00	48.232
	16QAM	Low	2135.00	48.360
		Middle	2145.00	48.155
		High	2155.00	48.261
	64QAM	Low	2135.00	48.283
		Middle	2145.00	48.327
		High	2155.00	48.234
	256QAM	Low	2135.00	48.307
		Middle	2145.00	48.168
		High	2155.00	48.270
Port 13	QPSK	Low	2135.00	48.333
		Middle	2145.00	48.245
		High	2155.00	48.302
	16QAM	Low	2135.00	48.218
		Middle	2145.00	48.200
		High	2155.00	48.383
	64QAM	Low	2135.00	48.243
		Middle	2145.00	48.201
		High	2155.00	48.216
	256QAM	Low	2135.00	48.281
		Middle	2145.00	48.293
		High	2155.00	48.292
Port 14	QPSK	Low	2135.00	48.214
		Middle	2145.00	48.158
		High	2155.00	48.317
	16QAM	Low	2135.00	48.290
		Middle	2145.00	48.151
		High	2155.00	48.313
	64QAM	Low	2135.00	48.265
		Middle	2145.00	48.248
		High	2155.00	48.209
	256QAM	Low	2135.00	48.305
		Middle	2145.00	48.226
		High	2155.00	48.248

Port 15	QPSK	Low	2135.00	48.279
		Middle	2145.00	48.265
		High	2155.00	48.270
	16QAM	Low	2135.00	48.233
		Middle	2145.00	48.222
		High	2155.00	48.324
	64QAM	Low	2135.00	48.276
		Middle	2145.00	48.275
		High	2155.00	48.239
	256QAM	Low	2135.00	48.415
		Middle	2145.00	48.258
		High	2155.00	48.258
Port 16	QPSK	Low	2135.00	48.251
		Middle	2145.00	48.274
		High	2155.00	48.267
	16QAM	Low	2135.00	48.275
		Middle	2145.00	48.396
		High	2155.00	48.391
	64QAM	Low	2135.00	48.205
		Middle	2145.00	48.262
		High	2155.00	48.264
	256QAM	Low	2135.00	48.360
		Middle	2145.00	48.256
		High	2155.00	48.115

Tabular Data of Non-Contiguous Occupied Bandwidth

LTE Band 25 5 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier [2 Carrier]

Port	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)	Occupied Bandwidth (MHz)
Port 1	QPSK	1932.50	4.5161	1987.50	13.466	17.983
	16QAM	1932.50	4.4722	1987.50	13.549	18.021
	64QAM	1932.50	4.5190	1987.50	13.441	17.960
	256QAM	1932.50	4.5122	1987.50	13.450	17.963
	QPSK	1932.50	4.4998	1987.50	13.430	17.930
	16QAM	1932.50	4.4926	1987.50	13.523	18.016
	64QAM	1932.50	4.5147	1987.50	13.422	17.937
	256QAM	1932.50	4.5062	1987.50	13.474	17.980
	QPSK	1932.50	4.5161	1987.50	13.466	17.983
	16QAM	1932.50	4.4722	1987.50	13.549	18.021
	64QAM	1932.50	4.5190	1987.50	13.441	17.960
	256QAM	1932.50	4.5122	1987.50	13.450	17.963
Port 2	QPSK	1932.50	4.4998	1987.50	13.430	17.930
	16QAM	1932.50	4.4926	1987.50	13.523	18.016
	64QAM	1932.50	4.5147	1987.50	13.422	17.937
	256QAM	1932.50	4.5062	1987.50	13.474	17.980
	QPSK	1932.50	4.5161	1987.50	13.466	17.983
	16QAM	1932.50	4.4722	1987.50	13.549	18.021
	64QAM	1932.50	4.5190	1987.50	13.441	17.960
	256QAM	1932.50	4.5122	1987.50	13.450	17.963
	QPSK	1932.50	4.4998	1987.50	13.430	17.930
	16QAM	1932.50	4.4926	1987.50	13.523	18.016
	64QAM	1932.50	4.5147	1987.50	13.422	17.937
	256QAM	1932.50	4.5062	1987.50	13.474	17.980

Port 3	QPSK	1932.50	4.5274	1987.50	13.458	17.985
	16QAM	1932.50	4.4864	1987.50	13.528	18.014
	64QAM	1932.50	4.5082	1987.50	13.472	17.980
	256QAM	1932.50	4.5102	1987.50	13.473	17.983
	QPSK	1932.50	4.5179	1987.50	13.436	17.953
	16QAM	1932.50	4.5012	1987.50	13.525	18.026
	64QAM	1932.50	4.5244	1987.50	13.498	18.022
	256QAM	1932.50	4.5100	1987.50	13.485	17.995
	QPSK	1932.50	4.5227	1987.50	13.453	17.976
	16QAM	1932.50	4.4777	1987.50	13.495	17.973
	64QAM	1932.50	4.5157	1987.50	13.466	17.982
	256QAM	1932.50	4.5294	1987.50	13.437	17.966
Port 4	QPSK	1932.50	4.5274	1987.50	13.458	17.985
	16QAM	1932.50	4.4864	1987.50	13.528	18.014
	64QAM	1932.50	4.5082	1987.50	13.472	17.980
	256QAM	1932.50	4.5102	1987.50	13.473	17.983
	QPSK	1932.50	4.5179	1987.50	13.436	17.953
	16QAM	1932.50	4.5012	1987.50	13.525	18.026
	64QAM	1932.50	4.5244	1987.50	13.498	18.022
	256QAM	1932.50	4.5100	1987.50	13.485	17.995
	QPSK	1932.50	4.5227	1987.50	13.453	17.976
	16QAM	1932.50	4.4777	1987.50	13.495	17.973
	64QAM	1932.50	4.5157	1987.50	13.466	17.982
	256QAM	1932.50	4.5294	1987.50	13.437	17.966
Port 5	QPSK	1932.50	4.5274	1987.50	13.458	17.985
	16QAM	1932.50	4.4864	1987.50	13.528	18.014
	64QAM	1932.50	4.5082	1987.50	13.472	17.980
	256QAM	1932.50	4.5102	1987.50	13.473	17.983
	QPSK	1932.50	4.5179	1987.50	13.436	17.953
	16QAM	1932.50	4.5012	1987.50	13.525	18.026
	64QAM	1932.50	4.5244	1987.50	13.498	18.022
	256QAM	1932.50	4.5100	1987.50	13.485	17.995
	QPSK	1932.50	4.5227	1987.50	13.453	17.976
	16QAM	1932.50	4.4777	1987.50	13.495	17.973
	64QAM	1932.50	4.5157	1987.50	13.466	17.982
	256QAM	1932.50	4.5294	1987.50	13.437	17.966

Port 6	QPSK	1932.50	4.5175	1987.50	13.454	17.971
	16QAM	1932.50	4.4791	1987.50	13.537	18.016
	64QAM	1932.50	4.5145	1987.50	13.451	17.965
	256QAM	1932.50	4.5225	1987.50	13.452	17.974
	QPSK	1932.50	4.5123	1987.50	13.437	17.949
	16QAM	1932.50	4.5101	1987.50	13.523	18.033
	64QAM	1932.50	4.5140	1987.50	13.456	17.970
	256QAM	1932.50	4.5167	1987.50	13.473	17.990
	QPSK	1932.50	4.5119	1987.50	13.438	17.950
	16QAM	1932.50	4.4876	1987.50	13.495	17.983
	64QAM	1932.50	4.5105	1987.50	13.449	17.959
	256QAM	1932.50	4.5089	1987.50	13.472	17.981
Port 7	QPSK	1932.50	4.5175	1987.50	13.454	17.971
	16QAM	1932.50	4.4791	1987.50	13.537	18.016
	64QAM	1932.50	4.5145	1987.50	13.451	17.965
	256QAM	1932.50	4.5225	1987.50	13.452	17.974
	QPSK	1932.50	4.5123	1987.50	13.437	17.949
	16QAM	1932.50	4.5101	1987.50	13.523	18.033
	64QAM	1932.50	4.5140	1987.50	13.456	17.970
	256QAM	1932.50	4.5167	1987.50	13.473	17.990
	QPSK	1932.50	4.5119	1987.50	13.438	17.950
	16QAM	1932.50	4.4876	1987.50	13.495	17.983
	64QAM	1932.50	4.5105	1987.50	13.449	17.959
	256QAM	1932.50	4.5089	1987.50	13.472	17.981
Port 8	QPSK	1932.50	4.5175	1987.50	13.454	17.971
	16QAM	1932.50	4.4791	1987.50	13.537	18.016
	64QAM	1932.50	4.5145	1987.50	13.451	17.965
	256QAM	1932.50	4.5225	1987.50	13.452	17.974
	QPSK	1932.50	4.5123	1987.50	13.437	17.949
	16QAM	1932.50	4.5101	1987.50	13.523	18.033
	64QAM	1932.50	4.5140	1987.50	13.456	17.970
	256QAM	1932.50	4.5167	1987.50	13.473	17.990
	QPSK	1932.50	4.5119	1987.50	13.438	17.950
	16QAM	1932.50	4.4876	1987.50	13.495	17.983
	64QAM	1932.50	4.5105	1987.50	13.449	17.959
	256QAM	1932.50	4.5089	1987.50	13.472	17.981

Port 9	QPSK	1932.50	4.5051	1987.50	13.456	17.961
	16QAM	1932.50	4.5008	1987.50	13.507	18.007
	64QAM	1932.50	4.5118	1987.50	13.453	17.964
	256QAM	1932.50	4.5109	1987.50	13.443	17.954
	QPSK	1932.50	4.5074	1987.50	13.456	17.963
	16QAM	1932.50	4.4994	1987.50	13.539	18.039
	64QAM	1932.50	4.5281	1987.50	13.480	18.008
	256QAM	1932.50	4.5138	1987.50	13.468	17.982
	QPSK	1932.50	4.5036	1987.50	13.479	17.982
	16QAM	1932.50	4.4789	1987.50	13.502	17.981
	64QAM	1932.50	4.5372	1987.50	13.465	18.002
	256QAM	1932.50	4.4997	1987.50	13.460	17.960
Port 10	QPSK	1932.50	4.5051	1987.50	13.456	17.961
	16QAM	1932.50	4.5008	1987.50	13.507	18.007
	64QAM	1932.50	4.5118	1987.50	13.453	17.964
	256QAM	1932.50	4.5109	1987.50	13.443	17.954
	QPSK	1932.50	4.5074	1987.50	13.456	17.963
	16QAM	1932.50	4.4994	1987.50	13.539	18.039
	64QAM	1932.50	4.5281	1987.50	13.480	18.008
	256QAM	1932.50	4.5138	1987.50	13.468	17.982
	QPSK	1932.50	4.5036	1987.50	13.479	17.982
	16QAM	1932.50	4.4789	1987.50	13.502	17.981
	64QAM	1932.50	4.5372	1987.50	13.465	18.002
	256QAM	1932.50	4.4997	1987.50	13.460	17.960
Port 11	QPSK	1932.50	4.5051	1987.50	13.456	17.961
	16QAM	1932.50	4.5008	1987.50	13.507	18.007
	64QAM	1932.50	4.5118	1987.50	13.453	17.964
	256QAM	1932.50	4.5109	1987.50	13.443	17.954
	QPSK	1932.50	4.5074	1987.50	13.456	17.963
	16QAM	1932.50	4.4994	1987.50	13.539	18.039
	64QAM	1932.50	4.5281	1987.50	13.480	18.008
	256QAM	1932.50	4.5138	1987.50	13.468	17.982
	QPSK	1932.50	4.5036	1987.50	13.479	17.982
	16QAM	1932.50	4.4789	1987.50	13.502	17.981
	64QAM	1932.50	4.5372	1987.50	13.465	18.002
	256QAM	1932.50	4.4997	1987.50	13.460	17.960

Port 12	QPSK	1932.50	4.4928	1987.50	13.461	17.954
	16QAM	1932.50	4.5046	1987.50	13.452	17.957
	64QAM	1932.50	4.5092	1987.50	13.464	17.973
	256QAM	1932.50	4.5210	1987.50	13.438	17.959
	QPSK	1932.50	4.5266	1987.50	13.430	17.957
	16QAM	1932.50	4.4971	1987.50	13.533	18.030
	64QAM	1932.50	4.5265	1987.50	13.449	17.975
	256QAM	1932.50	4.5201	1987.50	13.482	18.002
	QPSK	1932.50	4.5106	1987.50	13.445	17.955
	16QAM	1932.50	4.4647	1987.50	13.563	18.028
	64QAM	1932.50	4.5067	1987.50	13.441	17.948
	256QAM	1932.50	4.5096	1987.50	13.445	17.954
Port 13	QPSK	1932.50	4.4928	1987.50	13.461	17.954
	16QAM	1932.50	4.5046	1987.50	13.452	17.957
	64QAM	1932.50	4.5092	1987.50	13.464	17.973
	256QAM	1932.50	4.5210	1987.50	13.438	17.959
	QPSK	1932.50	4.5266	1987.50	13.430	17.957
	16QAM	1932.50	4.4971	1987.50	13.533	18.030
	64QAM	1932.50	4.5265	1987.50	13.449	17.975
	256QAM	1932.50	4.5201	1987.50	13.482	18.002
	QPSK	1932.50	4.5106	1987.50	13.445	17.955
	16QAM	1932.50	4.4647	1987.50	13.563	18.028
	64QAM	1932.50	4.5067	1987.50	13.441	17.948
	256QAM	1932.50	4.5096	1987.50	13.445	17.954
Port 14	QPSK	1932.50	4.4928	1987.50	13.461	17.954
	16QAM	1932.50	4.5046	1987.50	13.452	17.957
	64QAM	1932.50	4.5092	1987.50	13.464	17.973
	256QAM	1932.50	4.5210	1987.50	13.438	17.959
	QPSK	1932.50	4.5266	1987.50	13.430	17.957
	16QAM	1932.50	4.4971	1987.50	13.533	18.030
	64QAM	1932.50	4.5265	1987.50	13.449	17.975
	256QAM	1932.50	4.5201	1987.50	13.482	18.002
	QPSK	1932.50	4.5106	1987.50	13.445	17.955
	16QAM	1932.50	4.4647	1987.50	13.563	18.028
	64QAM	1932.50	4.5067	1987.50	13.441	17.948
	256QAM	1932.50	4.5096	1987.50	13.445	17.954

Port 15	QPSK	1932.50	4.5162	1987.50	13.461	17.977
	16QAM	1932.50	4.5029	1987.50	13.480	17.983
	64QAM	1932.50	4.5246	1987.50	13.466	17.991
	256QAM	1932.50	4.5158	1987.50	13.490	18.006
	QPSK	1932.50	4.5016	1987.50	13.463	17.964
	16QAM	1932.50	4.4920	1987.50	13.470	17.962
	64QAM	1932.50	4.5116	1987.50	13.449	17.961
	256QAM	1932.50	4.5076	1987.50	13.446	17.954
	QPSK	1932.50	4.5162	1987.50	13.461	17.977
	16QAM	1932.50	4.5029	1987.50	13.480	17.983
	64QAM	1932.50	4.5246	1987.50	13.466	17.991
	256QAM	1932.50	4.5158	1987.50	13.490	18.006
Port 16	QPSK	1932.50	4.5016	1987.50	13.463	17.964
	16QAM	1932.50	4.4920	1987.50	13.470	17.962
	64QAM	1932.50	4.5116	1987.50	13.449	17.961
	256QAM	1932.50	4.5076	1987.50	13.446	17.954
	QPSK	1932.50	4.5162	1987.50	13.461	17.977
	16QAM	1932.50	4.5029	1987.50	13.480	17.983
	64QAM	1932.50	4.5246	1987.50	13.466	17.991
	256QAM	1932.50	4.5158	1987.50	13.490	18.006
	QPSK	1932.50	4.5016	1987.50	13.463	17.964
	16QAM	1932.50	4.4920	1987.50	13.470	17.962
	64QAM	1932.50	4.5116	1987.50	13.449	17.961
	256QAM	1932.50	4.5076	1987.50	13.446	17.954

LTE Band 25 15 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier [2 Carrier]

Port	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)	Occupied Bandwidth (MHz)
Port 1	QPSK	1937.50	13.458	1992.50	4.5017	17.960
	16QAM	1937.50	13.536	1992.50	4.4948	18.031
	64QAM	1937.50	13.461	1992.50	4.5172	17.979
	256QAM	1937.50	13.481	1992.50	4.5082	17.989
	QPSK	1937.50	13.455	1992.50	4.5088	17.964
	16QAM	1937.50	13.541	1992.50	4.5042	18.046
	64QAM	1937.50	13.431	1992.50	4.5149	17.946
	256QAM	1937.50	13.432	1992.50	4.5106	17.942
	QPSK	1937.50	13.458	1992.50	4.5017	17.960
	16QAM	1937.50	13.536	1992.50	4.4948	18.031
	64QAM	1937.50	13.461	1992.50	4.5172	17.979
	256QAM	1937.50	13.481	1992.50	4.5082	17.989
Port 2	QPSK	1937.50	13.455	1992.50	4.5088	17.964
	16QAM	1937.50	13.541	1992.50	4.5042	18.046
	64QAM	1937.50	13.431	1992.50	4.5149	17.946
	256QAM	1937.50	13.432	1992.50	4.5106	17.942
	QPSK	1937.50	13.458	1992.50	4.5017	17.960
	16QAM	1937.50	13.536	1992.50	4.4948	18.031
	64QAM	1937.50	13.461	1992.50	4.5172	17.979
	256QAM	1937.50	13.481	1992.50	4.5082	17.989
	QPSK	1937.50	13.455	1992.50	4.5088	17.964
	16QAM	1937.50	13.541	1992.50	4.5042	18.046
	64QAM	1937.50	13.431	1992.50	4.5149	17.946
	256QAM	1937.50	13.432	1992.50	4.5106	17.942

Port 3	QPSK	1937.50	13.481	1992.50	4.5045	17.986
	16QAM	1937.50	13.556	1992.50	4.4919	18.048
	64QAM	1937.50	13.460	1992.50	4.5144	17.974
	256QAM	1937.50	13.465	1992.50	4.5215	17.986
	QPSK	1937.50	13.475	1992.50	4.5262	18.001
	16QAM	1937.50	13.526	1992.50	4.4903	18.016
	64QAM	1937.50	13.421	1992.50	4.5151	17.936
	256QAM	1937.50	13.459	1992.50	4.5086	17.968
	QPSK	1937.50	13.426	1992.50	4.5069	17.933
	16QAM	1937.50	13.547	1992.50	4.5005	18.047
	64QAM	1937.50	13.447	1992.50	4.5234	17.971
	256QAM	1937.50	13.459	1992.50	4.5168	17.976
Port 4	QPSK	1937.50	13.481	1992.50	4.5045	17.986
	16QAM	1937.50	13.556	1992.50	4.4919	18.048
	64QAM	1937.50	13.460	1992.50	4.5144	17.974
	256QAM	1937.50	13.465	1992.50	4.5215	17.986
	QPSK	1937.50	13.475	1992.50	4.5262	18.001
	16QAM	1937.50	13.526	1992.50	4.4903	18.016
	64QAM	1937.50	13.421	1992.50	4.5151	17.936
	256QAM	1937.50	13.459	1992.50	4.5086	17.968
	QPSK	1937.50	13.426	1992.50	4.5069	17.933
	16QAM	1937.50	13.547	1992.50	4.5005	18.047
	64QAM	1937.50	13.447	1992.50	4.5234	17.971
	256QAM	1937.50	13.459	1992.50	4.5168	17.976
Port 5	QPSK	1937.50	13.481	1992.50	4.5045	17.986
	16QAM	1937.50	13.556	1992.50	4.4919	18.048
	64QAM	1937.50	13.460	1992.50	4.5144	17.974
	256QAM	1937.50	13.465	1992.50	4.5215	17.986
	QPSK	1937.50	13.475	1992.50	4.5262	18.001
	16QAM	1937.50	13.526	1992.50	4.4903	18.016
	64QAM	1937.50	13.421	1992.50	4.5151	17.936
	256QAM	1937.50	13.459	1992.50	4.5086	17.968
	QPSK	1937.50	13.426	1992.50	4.5069	17.933
	16QAM	1937.50	13.547	1992.50	4.5005	18.047
	64QAM	1937.50	13.447	1992.50	4.5234	17.971
	256QAM	1937.50	13.459	1992.50	4.5168	17.976

Port 6	QPSK	1937.50	13.449	1992.50	4.5214	17.970
	16QAM	1937.50	13.556	1992.50	4.5025	18.059
	64QAM	1937.50	13.451	1992.50	4.5093	17.961
	256QAM	1937.50	13.436	1992.50	4.5368	17.973
	QPSK	1937.50	13.458	1992.50	4.5153	17.973
	16QAM	1937.50	13.525	1992.50	4.4920	18.017
	64QAM	1937.50	13.431	1992.50	4.5093	17.940
	256QAM	1937.50	13.438	1992.50	4.5161	17.954
	QPSK	1937.50	13.457	1992.50	4.5243	17.981
	16QAM	1937.50	13.537	1992.50	4.4970	18.034
	64QAM	1937.50	13.471	1992.50	4.5075	17.978
	256QAM	1937.50	13.466	1992.50	4.5158	17.981
Port 7	QPSK	1937.50	13.449	1992.50	4.5214	17.970
	16QAM	1937.50	13.556	1992.50	4.5025	18.059
	64QAM	1937.50	13.451	1992.50	4.5093	17.961
	256QAM	1937.50	13.436	1992.50	4.5368	17.973
	QPSK	1937.50	13.458	1992.50	4.5153	17.973
	16QAM	1937.50	13.525	1992.50	4.4920	18.017
	64QAM	1937.50	13.431	1992.50	4.5093	17.940
	256QAM	1937.50	13.438	1992.50	4.5161	17.954
	QPSK	1937.50	13.457	1992.50	4.5243	17.981
	16QAM	1937.50	13.537	1992.50	4.4970	18.034
	64QAM	1937.50	13.471	1992.50	4.5075	17.978
	256QAM	1937.50	13.466	1992.50	4.5158	17.981
Port 8	QPSK	1937.50	13.449	1992.50	4.5214	17.970
	16QAM	1937.50	13.556	1992.50	4.5025	18.059
	64QAM	1937.50	13.451	1992.50	4.5093	17.961
	256QAM	1937.50	13.436	1992.50	4.5368	17.973
	QPSK	1937.50	13.458	1992.50	4.5153	17.973
	16QAM	1937.50	13.525	1992.50	4.4920	18.017
	64QAM	1937.50	13.431	1992.50	4.5093	17.940
	256QAM	1937.50	13.438	1992.50	4.5161	17.954
	QPSK	1937.50	13.457	1992.50	4.5243	17.981
	16QAM	1937.50	13.537	1992.50	4.4970	18.034
	64QAM	1937.50	13.471	1992.50	4.5075	17.978
	256QAM	1937.50	13.466	1992.50	4.5158	17.981

Port 9	QPSK	1937.50	13.460	1992.50	4.5313	17.991
	16QAM	1937.50	13.488	1992.50	4.5025	17.990
	64QAM	1937.50	13.431	1992.50	4.5213	17.952
	256QAM	1937.50	13.459	1992.50	4.5122	17.971
	QPSK	1937.50	13.456	1992.50	4.5250	17.981
	16QAM	1937.50	13.550	1992.50	4.5093	18.059
	64QAM	1937.50	13.466	1992.50	4.5244	17.991
	256QAM	1937.50	13.476	1992.50	4.5136	17.990
	QPSK	1937.50	13.460	1992.50	4.5323	17.992
	16QAM	1937.50	13.567	1992.50	4.4949	18.062
	64QAM	1937.50	13.455	1992.50	4.5148	17.970
	256QAM	1937.50	13.436	1992.50	4.5211	17.957
Port 10	QPSK	1937.50	13.460	1992.50	4.5313	17.991
	16QAM	1937.50	13.488	1992.50	4.5025	17.990
	64QAM	1937.50	13.431	1992.50	4.5213	17.952
	256QAM	1937.50	13.459	1992.50	4.5122	17.971
	QPSK	1937.50	13.456	1992.50	4.5250	17.981
	16QAM	1937.50	13.550	1992.50	4.5093	18.059
	64QAM	1937.50	13.466	1992.50	4.5244	17.991
	256QAM	1937.50	13.476	1992.50	4.5136	17.990
	QPSK	1937.50	13.460	1992.50	4.5323	17.992
	16QAM	1937.50	13.567	1992.50	4.4949	18.062
	64QAM	1937.50	13.455	1992.50	4.5148	17.970
	256QAM	1937.50	13.436	1992.50	4.5211	17.957
Port 11	QPSK	1937.50	13.460	1992.50	4.5313	17.991
	16QAM	1937.50	13.488	1992.50	4.5025	17.990
	64QAM	1937.50	13.431	1992.50	4.5213	17.952
	256QAM	1937.50	13.459	1992.50	4.5122	17.971
	QPSK	1937.50	13.456	1992.50	4.5250	17.981
	16QAM	1937.50	13.550	1992.50	4.5093	18.059
	64QAM	1937.50	13.466	1992.50	4.5244	17.991
	256QAM	1937.50	13.476	1992.50	4.5136	17.990
	QPSK	1937.50	13.460	1992.50	4.5323	17.992
	16QAM	1937.50	13.567	1992.50	4.4949	18.062
	64QAM	1937.50	13.455	1992.50	4.5148	17.970
	256QAM	1937.50	13.436	1992.50	4.5211	17.957

Port 12	QPSK	1937.50	13.440	1992.50	4.5087	17.949
	16QAM	1937.50	13.541	1992.50	4.4863	18.027
	64QAM	1937.50	13.468	1992.50	4.5118	17.980
	256QAM	1937.50	13.442	1992.50	4.5098	17.952
	QPSK	1937.50	13.393	1992.50	4.5241	17.917
	16QAM	1937.50	13.521	1992.50	4.5013	18.022
	64QAM	1937.50	13.447	1992.50	4.5120	17.959
	256QAM	1937.50	13.439	1992.50	4.5071	17.946
	QPSK	1937.50	13.438	1992.50	4.5159	17.954
	16QAM	1937.50	13.490	1992.50	4.5182	18.008
	64QAM	1937.50	13.482	1992.50	4.5140	17.996
	256QAM	1937.50	13.444	1992.50	4.5233	17.967
Port 13	QPSK	1937.50	13.440	1992.50	4.5087	17.949
	16QAM	1937.50	13.541	1992.50	4.4863	18.027
	64QAM	1937.50	13.468	1992.50	4.5118	17.980
	256QAM	1937.50	13.442	1992.50	4.5098	17.952
	QPSK	1937.50	13.393	1992.50	4.5241	17.917
	16QAM	1937.50	13.521	1992.50	4.5013	18.022
	64QAM	1937.50	13.447	1992.50	4.5120	17.959
	256QAM	1937.50	13.439	1992.50	4.5071	17.946
	QPSK	1937.50	13.438	1992.50	4.5159	17.954
	16QAM	1937.50	13.490	1992.50	4.5182	18.008
	64QAM	1937.50	13.482	1992.50	4.5140	17.996
	256QAM	1937.50	13.444	1992.50	4.5233	17.967
Port 14	QPSK	1937.50	13.440	1992.50	4.5087	17.949
	16QAM	1937.50	13.541	1992.50	4.4863	18.027
	64QAM	1937.50	13.468	1992.50	4.5118	17.980
	256QAM	1937.50	13.442	1992.50	4.5098	17.952
	QPSK	1937.50	13.393	1992.50	4.5241	17.917
	16QAM	1937.50	13.521	1992.50	4.5013	18.022
	64QAM	1937.50	13.447	1992.50	4.5120	17.959
	256QAM	1937.50	13.439	1992.50	4.5071	17.946
	QPSK	1937.50	13.438	1992.50	4.5159	17.954
	16QAM	1937.50	13.490	1992.50	4.5182	18.008
	64QAM	1937.50	13.482	1992.50	4.5140	17.996
	256QAM	1937.50	13.444	1992.50	4.5233	17.967

Port 15	QPSK	1937.50	13.478	1992.50	4.5213	17.999
	16QAM	1937.50	13.475	1992.50	4.4890	17.964
	64QAM	1937.50	13.478	1992.50	4.5418	18.020
	256QAM	1937.50	13.449	1992.50	4.5281	17.977
	QPSK	1937.50	13.425	1992.50	4.5092	17.934
	16QAM	1937.50	13.499	1992.50	4.4981	17.998
	64QAM	1937.50	13.464	1992.50	4.5132	17.977
	256QAM	1937.50	13.455	1992.50	4.5175	17.972
	QPSK	1937.50	13.478	1992.50	4.5213	17.999
	16QAM	1937.50	13.475	1992.50	4.4890	17.964
	64QAM	1937.50	13.478	1992.50	4.5418	18.020
	256QAM	1937.50	13.449	1992.50	4.5281	17.977
Port 16	QPSK	1937.50	13.425	1992.50	4.5092	17.934
	16QAM	1937.50	13.499	1992.50	4.4981	17.998
	64QAM	1937.50	13.464	1992.50	4.5132	17.977
	256QAM	1937.50	13.455	1992.50	4.5175	17.972
	QPSK	1937.50	13.478	1992.50	4.5213	17.999
	16QAM	1937.50	13.475	1992.50	4.4890	17.964
	64QAM	1937.50	13.478	1992.50	4.5418	18.020
	256QAM	1937.50	13.449	1992.50	4.5281	17.977
	QPSK	1937.50	13.425	1992.50	4.5092	17.934
	16QAM	1937.50	13.499	1992.50	4.4981	17.998
	64QAM	1937.50	13.464	1992.50	4.5132	17.977
	256QAM	1937.50	13.455	1992.50	4.5175	17.972

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier [2 Carrier]

Port	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)	Occupied Bandwidth (MHz)
Port 1	QPSK	2115.00	9.0083	2170.00	17.947	26.955
	16QAM	2115.00	9.0023	2170.00	17.977	26.979
	64QAM	2115.00	8.9953	2170.00	17.995	26.991
	256QAM	2115.00	8.9791	2170.00	17.982	26.962
	QPSK	2115.00	9.0088	2170.00	17.942	26.951
	16QAM	2115.00	9.0246	2170.00	18.062	27.087
	64QAM	2115.00	9.0080	2170.00	17.962	26.970
	256QAM	2115.00	8.9785	2170.00	18.027	27.005
	QPSK	2115.00	8.9852	2170.00	17.957	26.942
	16QAM	2115.00	8.9774	2170.00	17.987	26.965
	64QAM	2115.00	9.0024	2170.00	17.982	26.985
	256QAM	2115.00	9.0119	2170.00	17.937	26.949
Port 2	QPSK	2115.00	8.9789	2170.00	18.007	26.986
	16QAM	2115.00	8.9767	2170.00	17.961	26.938
	64QAM	2115.00	8.9928	2170.00	17.957	26.950
	256QAM	2115.00	9.0068	2170.00	17.980	26.987
	QPSK	2115.00	9.0128	2170.00	17.963	26.976
	16QAM	2115.00	8.9929	2170.00	17.980	26.973
	64QAM	2115.00	8.9890	2170.00	17.962	26.951
	256QAM	2115.00	8.9930	2170.00	17.942	26.935
	QPSK	2115.00	8.9748	2170.00	17.957	26.931
	16QAM	2115.00	8.9988	2170.00	17.925	26.924
	64QAM	2115.00	8.9690	2170.00	18.000	26.969
	256QAM	2115.00	8.9765	2170.00	18.000	26.977

Port 3	QPSK	2115.00	8.9974	2170.00	17.953	26.951
	16QAM	2115.00	8.9870	2170.00	17.982	26.969
	64QAM	2115.00	9.0114	2170.00	17.956	26.968
	256QAM	2115.00	9.0175	2170.00	17.937	26.954
	QPSK	2115.00	9.0134	2170.00	17.980	26.993
	16QAM	2115.00	9.0099	2170.00	17.996	27.005
	64QAM	2115.00	9.0313	2170.00	17.938	26.969
	256QAM	2115.00	8.9687	2170.00	17.938	26.907
	QPSK	2115.00	9.0097	2170.00	17.968	26.978
	16QAM	2115.00	8.9902	2170.00	17.976	26.966
	64QAM	2115.00	9.0114	2170.00	17.963	26.974
	256QAM	2115.00	8.9735	2170.00	18.064	27.038
Port 4	QPSK	2115.00	8.9961	2170.00	17.983	26.979
	16QAM	2115.00	9.0029	2170.00	17.986	26.989
	64QAM	2115.00	9.0094	2170.00	17.967	26.976
	256QAM	2115.00	9.0017	2170.00	17.968	26.970
	QPSK	2115.00	8.9757	2170.00	17.973	26.949
	16QAM	2115.00	8.9867	2170.00	17.939	26.926
	64QAM	2115.00	9.0110	2170.00	18.017	27.028
	256QAM	2115.00	8.9896	2170.00	18.006	26.995
	QPSK	2115.00	9.0380	2170.00	18.008	27.046
	16QAM	2115.00	9.0110	2170.00	18.028	27.039
	64QAM	2115.00	8.9862	2170.00	17.979	26.965
	256QAM	2115.00	8.9947	2170.00	18.009	27.004
Port 5	QPSK	2115.00	8.9912	2170.00	17.953	26.944
	16QAM	2115.00	9.0116	2170.00	17.937	26.949
	64QAM	2115.00	8.9925	2170.00	17.969	26.961
	256QAM	2115.00	8.9756	2170.00	17.965	26.940
	QPSK	2115.00	9.0003	2170.00	17.961	26.961
	16QAM	2115.00	8.9866	2170.00	18.019	27.006
	64QAM	2115.00	8.9848	2170.00	17.981	26.966
	256QAM	2115.00	8.9656	2170.00	18.020	26.986
	QPSK	2115.00	8.9920	2170.00	17.950	26.942
	16QAM	2115.00	9.0285	2170.00	17.956	26.985
	64QAM	2115.00	8.9826	2170.00	17.947	26.929
	256QAM	2115.00	9.0151	2170.00	17.942	26.957

Port 6	QPSK	2115.00	9.0127	2170.00	17.956	26.969
	16QAM	2115.00	8.9883	2170.00	17.951	26.940
	64QAM	2115.00	8.9988	2170.00	17.953	26.952
	256QAM	2115.00	8.9841	2170.00	17.991	26.975
	QPSK	2115.00	9.0083	2170.00	17.947	26.955
	16QAM	2115.00	9.0023	2170.00	17.977	26.979
	64QAM	2115.00	8.9953	2170.00	17.995	26.991
	256QAM	2115.00	8.9791	2170.00	17.982	26.962
	QPSK	2115.00	9.0088	2170.00	17.942	26.951
	16QAM	2115.00	9.0246	2170.00	18.062	27.087
	64QAM	2115.00	9.0080	2170.00	17.962	26.970
	256QAM	2115.00	8.9785	2170.00	18.027	27.005
Port 7	QPSK	2115.00	8.9852	2170.00	17.957	26.942
	16QAM	2115.00	8.9774	2170.00	17.987	26.965
	64QAM	2115.00	9.0024	2170.00	17.982	26.985
	256QAM	2115.00	9.0119	2170.00	17.937	26.949
	QPSK	2115.00	8.9789	2170.00	18.007	26.986
	16QAM	2115.00	8.9767	2170.00	17.961	26.938
	64QAM	2115.00	8.9928	2170.00	17.957	26.950
	256QAM	2115.00	9.0068	2170.00	17.980	26.987
	QPSK	2115.00	9.0128	2170.00	17.963	26.976
	16QAM	2115.00	8.9929	2170.00	17.980	26.973
	64QAM	2115.00	8.9890	2170.00	17.962	26.951
	256QAM	2115.00	8.9930	2170.00	17.942	26.935
Port 8	QPSK	2115.00	8.9748	2170.00	17.957	26.931
	16QAM	2115.00	8.9988	2170.00	17.925	26.924
	64QAM	2115.00	8.9690	2170.00	18.000	26.969
	256QAM	2115.00	8.9765	2170.00	18.000	26.977
	QPSK	2115.00	8.9974	2170.00	17.953	26.951
	16QAM	2115.00	8.9870	2170.00	17.982	26.969
	64QAM	2115.00	9.0114	2170.00	17.956	26.968
	256QAM	2115.00	9.0175	2170.00	17.937	26.954
	QPSK	2115.00	9.0134	2170.00	17.980	26.993
	16QAM	2115.00	9.0099	2170.00	17.996	27.005
	64QAM	2115.00	9.0313	2170.00	17.938	26.969
	256QAM	2115.00	8.9687	2170.00	17.938	26.907

Port 9	QPSK	2115.00	9.0097	2170.00	17.968	26.978
	16QAM	2115.00	8.9902	2170.00	17.976	26.966
	64QAM	2115.00	9.0114	2170.00	17.963	26.974
	256QAM	2115.00	8.9735	2170.00	18.064	27.038
	QPSK	2115.00	8.9961	2170.00	17.983	26.979
	16QAM	2115.00	9.0029	2170.00	17.986	26.989
	64QAM	2115.00	9.0094	2170.00	17.967	26.976
	256QAM	2115.00	9.0017	2170.00	17.968	26.970
	QPSK	2115.00	8.9757	2170.00	17.973	26.949
	16QAM	2115.00	8.9867	2170.00	17.939	26.926
	64QAM	2115.00	9.0110	2170.00	18.017	27.028
	256QAM	2115.00	8.9896	2170.00	18.006	26.995
Port 10	QPSK	2115.00	9.0380	2170.00	18.008	27.046
	16QAM	2115.00	9.0110	2170.00	18.028	27.039
	64QAM	2115.00	8.9862	2170.00	17.979	26.965
	256QAM	2115.00	8.9947	2170.00	18.009	27.004
	QPSK	2115.00	8.9912	2170.00	17.953	26.944
	16QAM	2115.00	9.0116	2170.00	17.937	26.949
	64QAM	2115.00	8.9925	2170.00	17.969	26.961
	256QAM	2115.00	8.9756	2170.00	17.965	26.940
	QPSK	2115.00	9.0003	2170.00	17.961	26.961
	16QAM	2115.00	8.9866	2170.00	18.019	27.006
	64QAM	2115.00	8.9848	2170.00	17.981	26.966
	256QAM	2115.00	8.9656	2170.00	18.020	26.986
Port 11	QPSK	2115.00	8.9920	2170.00	17.950	26.942
	16QAM	2115.00	9.0285	2170.00	17.956	26.985
	64QAM	2115.00	8.9826	2170.00	17.947	26.929
	256QAM	2115.00	9.0151	2170.00	17.942	26.957
	QPSK	2115.00	9.0127	2170.00	17.956	26.969
	16QAM	2115.00	8.9883	2170.00	17.951	26.940
	64QAM	2115.00	8.9988	2170.00	17.953	26.952
	256QAM	2115.00	8.9841	2170.00	17.991	26.975
	QPSK	2115.00	9.0083	2170.00	17.947	26.955
	16QAM	2115.00	9.0023	2170.00	17.977	26.979
	64QAM	2115.00	8.9953	2170.00	17.995	26.991
	256QAM	2115.00	8.9791	2170.00	17.982	26.962

Port 12	QPSK	2115.00	9.0088	2170.00	17.942	26.951
	16QAM	2115.00	9.0246	2170.00	18.062	27.087
	64QAM	2115.00	9.0080	2170.00	17.962	26.970
	256QAM	2115.00	8.9785	2170.00	18.027	27.005
	QPSK	2115.00	8.9852	2170.00	17.957	26.942
	16QAM	2115.00	8.9774	2170.00	17.987	26.965
	64QAM	2115.00	9.0024	2170.00	17.982	26.985
	256QAM	2115.00	9.0119	2170.00	17.937	26.949
	QPSK	2115.00	8.9789	2170.00	18.007	26.986
	16QAM	2115.00	8.9767	2170.00	17.961	26.938
	64QAM	2115.00	8.9928	2170.00	17.957	26.950
	256QAM	2115.00	9.0068	2170.00	17.980	26.987
Port 13	QPSK	2115.00	9.0128	2170.00	17.963	26.976
	16QAM	2115.00	8.9929	2170.00	17.980	26.973
	64QAM	2115.00	8.9890	2170.00	17.962	26.951
	256QAM	2115.00	8.9930	2170.00	17.942	26.935
	QPSK	2115.00	8.9748	2170.00	17.957	26.931
	16QAM	2115.00	8.9988	2170.00	17.925	26.924
	64QAM	2115.00	8.9690	2170.00	18.000	26.969
	256QAM	2115.00	8.9765	2170.00	18.000	26.977
	QPSK	2115.00	8.9974	2170.00	17.953	26.951
	16QAM	2115.00	8.9870	2170.00	17.982	26.969
	64QAM	2115.00	9.0114	2170.00	17.956	26.968
	256QAM	2115.00	9.0175	2170.00	17.937	26.954
Port 14	QPSK	2115.00	9.0134	2170.00	17.980	26.993
	16QAM	2115.00	9.0099	2170.00	17.996	27.005
	64QAM	2115.00	9.0313	2170.00	17.938	26.969
	256QAM	2115.00	8.9687	2170.00	17.938	26.907
	QPSK	2115.00	9.0097	2170.00	17.968	26.978
	16QAM	2115.00	8.9902	2170.00	17.976	26.966
	64QAM	2115.00	9.0114	2170.00	17.963	26.974
	256QAM	2115.00	8.9735	2170.00	18.064	27.038
	QPSK	2115.00	8.9961	2170.00	17.983	26.979
	16QAM	2115.00	9.0029	2170.00	17.986	26.989
	64QAM	2115.00	9.0094	2170.00	17.967	26.976
	256QAM	2115.00	9.0017	2170.00	17.968	26.970

Port 15	QPSK	2115.00	8.9757	2170.00	17.973	26.949
	16QAM	2115.00	8.9867	2170.00	17.939	26.926
	64QAM	2115.00	9.0110	2170.00	18.017	27.028
	256QAM	2115.00	8.9896	2170.00	18.006	26.995
	QPSK	2115.00	9.0380	2170.00	18.008	27.046
	16QAM	2115.00	9.0110	2170.00	18.028	27.039
	64QAM	2115.00	8.9862	2170.00	17.979	26.965
	256QAM	2115.00	8.9947	2170.00	18.009	27.004
	QPSK	2115.00	8.9912	2170.00	17.953	26.944
	16QAM	2115.00	9.0116	2170.00	17.937	26.949
	64QAM	2115.00	8.9925	2170.00	17.969	26.961
	256QAM	2115.00	8.9756	2170.00	17.965	26.940
Port 16	QPSK	2115.00	9.0003	2170.00	17.961	26.961
	16QAM	2115.00	8.9866	2170.00	18.019	27.006
	64QAM	2115.00	8.9848	2170.00	17.981	26.966
	256QAM	2115.00	8.9656	2170.00	18.020	26.986
	QPSK	2115.00	8.9920	2170.00	17.950	26.942
	16QAM	2115.00	9.0285	2170.00	17.956	26.985
	64QAM	2115.00	8.9826	2170.00	17.947	26.929
	256QAM	2115.00	9.0151	2170.00	17.942	26.957
	QPSK	2115.00	9.0127	2170.00	17.956	26.969
	16QAM	2115.00	8.9883	2170.00	17.951	26.940
	64QAM	2115.00	8.9988	2170.00	17.953	26.952
	256QAM	2115.00	8.9841	2170.00	17.991	26.975

LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier [3 Carrier]

Port	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)	Occupied Bandwidth (MHz)
Port 1	QPSK	1932.50	4.5158	1980.00 + 1990.00	18.962	23.478
	16QAM	1932.50	4.4753	1980.00 + 1990.00	18.916	23.391
	64QAM	1932.50	4.5157	1980.00 + 1990.00	18.918	23.434
	256QAM	1932.50	4.5131	1980.00 + 1990.00	18.915	23.428
	QPSK	1932.50	4.5195	1980.00 + 1990.00	18.940	23.459
	16QAM	1932.50	4.4835	1980.00 + 1990.00	18.864	23.348
	64QAM	1932.50	4.5111	1980.00 + 1990.00	18.907	23.418
	256QAM	1932.50	4.5144	1980.00 + 1990.00	18.920	23.434
	QPSK	1932.50	4.5247	1980.00 + 1990.00	18.890	23.415
	16QAM	1932.50	4.4807	1980.00 + 1990.00	18.966	23.447
	64QAM	1932.50	4.5183	1980.00 + 1990.00	18.909	23.427
	256QAM	1932.50	4.5174	1980.00 + 1990.00	18.890	23.407
Port 2	QPSK	1932.50	4.5173	1980.00 + 1990.00	18.924	23.442
	16QAM	1932.50	4.4961	1980.00 + 1990.00	18.948	23.444
	64QAM	1932.50	4.5231	1980.00 + 1990.00	18.954	23.477
	256QAM	1932.50	4.5072	1980.00 + 1990.00	18.944	23.451
	QPSK	1932.50	4.5256	1980.00 + 1990.00	18.963	23.489
	16QAM	1932.50	4.4973	1980.00 + 1990.00	18.969	23.467
	64QAM	1932.50	4.5104	1980.00 + 1990.00	18.899	23.410
	256QAM	1932.50	4.5239	1980.00 + 1990.00	18.942	23.466
	QPSK	1932.50	4.5071	1980.00 + 1990.00	18.953	23.460
	16QAM	1932.50	4.5090	1980.00 + 1990.00	19.019	23.528
	64QAM	1932.50	4.5028	1980.00 + 1990.00	18.948	23.450
	256QAM	1932.50	4.5073	1980.00 + 1990.00	18.904	23.411

Port 3	QPSK	1932.50	4.5128	1980.00 + 1990.00	18.892	23.405
	16QAM	1932.50	4.4977	1980.00 + 1990.00	18.929	23.427
	64QAM	1932.50	4.5142	1980.00 + 1990.00	18.903	23.417
	256QAM	1932.50	4.5129	1980.00 + 1990.00	18.916	23.429
	QPSK	1932.50	4.4983	1980.00 + 1990.00	18.984	23.482
	16QAM	1932.50	4.4942	1980.00 + 1990.00	18.914	23.408
	64QAM	1932.50	4.5147	1980.00 + 1990.00	18.902	23.417
	256QAM	1932.50	4.5199	1980.00 + 1990.00	18.982	23.502
	QPSK	1932.50	4.5127	1980.00 + 1990.00	18.907	23.420
	16QAM	1932.50	4.4870	1980.00 + 1990.00	18.935	23.422
	64QAM	1932.50	4.5257	1980.00 + 1990.00	18.925	23.451
	256QAM	1932.50	4.5307	1980.00 + 1990.00	18.896	23.427
Port 4	QPSK	1932.50	4.5324	1980.00 + 1990.00	18.915	23.448
	16QAM	1932.50	4.4971	1980.00 + 1990.00	18.908	23.405
	64QAM	1932.50	4.5126	1980.00 + 1990.00	18.887	23.400
	256QAM	1932.50	4.5068	1980.00 + 1990.00	18.904	23.410
	QPSK	1932.50	4.5368	1980.00 + 1990.00	18.889	23.426
	16QAM	1932.50	4.4945	1980.00 + 1990.00	18.958	23.452
	64QAM	1932.50	4.5194	1980.00 + 1990.00	18.897	23.416
	256QAM	1932.50	4.5072	1980.00 + 1990.00	18.948	23.455
	QPSK	1932.50	4.5082	1980.00 + 1990.00	18.928	23.436
	16QAM	1932.50	4.4960	1980.00 + 1990.00	18.923	23.419
	64QAM	1932.50	4.5191	1980.00 + 1990.00	18.951	23.470
	256QAM	1932.50	4.5144	1980.00 + 1990.00	18.923	23.437
Port 5	QPSK	1932.50	4.5064	1980.00 + 1990.00	18.912	23.419
	16QAM	1932.50	4.4668	1980.00 + 1990.00	18.958	23.425
	64QAM	1932.50	4.5178	1980.00 + 1990.00	18.903	23.421
	256QAM	1932.50	4.5041	1980.00 + 1990.00	18.910	23.414
	QPSK	1932.50	4.5248	1980.00 + 1990.00	18.900	23.425
	16QAM	1932.50	4.4904	1980.00 + 1990.00	18.926	23.416
	64QAM	1932.50	4.5126	1980.00 + 1990.00	18.914	23.427
	256QAM	1932.50	4.5162	1980.00 + 1990.00	18.910	23.426
	QPSK	1932.50	4.5201	1980.00 + 1990.00	18.908	23.428
	16QAM	1932.50	4.5036	1980.00 + 1990.00	18.922	23.426
	64QAM	1932.50	4.4987	1980.00 + 1990.00	18.937	23.436
	256QAM	1932.50	4.5256	1980.00 + 1990.00	18.945	23.471

Port 6	QPSK	1932.50	4.5174	1980.00 + 1990.00	18.943	23.461
	16QAM	1932.50	4.5054	1980.00 + 1990.00	18.895	23.400
	64QAM	1932.50	4.5032	1980.00 + 1990.00	18.946	23.450
	256QAM	1932.50	4.5295	1980.00 + 1990.00	18.916	23.445
	QPSK	1932.50	4.5158	1980.00 + 1990.00	18.962	23.478
	16QAM	1932.50	4.4753	1980.00 + 1990.00	18.916	23.391
	64QAM	1932.50	4.5157	1980.00 + 1990.00	18.918	23.434
	256QAM	1932.50	4.5131	1980.00 + 1990.00	18.915	23.428
	QPSK	1932.50	4.5195	1980.00 + 1990.00	18.940	23.459
	16QAM	1932.50	4.4835	1980.00 + 1990.00	18.864	23.348
	64QAM	1932.50	4.5111	1980.00 + 1990.00	18.907	23.418
	256QAM	1932.50	4.5144	1980.00 + 1990.00	18.920	23.434
Port 7	QPSK	1932.50	4.5247	1980.00 + 1990.00	18.890	23.415
	16QAM	1932.50	4.4807	1980.00 + 1990.00	18.966	23.447
	64QAM	1932.50	4.5183	1980.00 + 1990.00	18.909	23.427
	256QAM	1932.50	4.5174	1980.00 + 1990.00	18.890	23.407
	QPSK	1932.50	4.5173	1980.00 + 1990.00	18.924	23.442
	16QAM	1932.50	4.4961	1980.00 + 1990.00	18.948	23.444
	64QAM	1932.50	4.5231	1980.00 + 1990.00	18.954	23.477
	256QAM	1932.50	4.5072	1980.00 + 1990.00	18.944	23.451
	QPSK	1932.50	4.5256	1980.00 + 1990.00	18.963	23.489
	16QAM	1932.50	4.4973	1980.00 + 1990.00	18.969	23.467
	64QAM	1932.50	4.5104	1980.00 + 1990.00	18.899	23.410
	256QAM	1932.50	4.5239	1980.00 + 1990.00	18.942	23.466
Port 8	QPSK	1932.50	4.5071	1980.00 + 1990.00	18.953	23.460
	16QAM	1932.50	4.5090	1980.00 + 1990.00	19.019	23.528
	64QAM	1932.50	4.5028	1980.00 + 1990.00	18.948	23.450
	256QAM	1932.50	4.5073	1980.00 + 1990.00	18.904	23.411
	QPSK	1932.50	4.5128	1980.00 + 1990.00	18.892	23.405
	16QAM	1932.50	4.4977	1980.00 + 1990.00	18.929	23.427
	64QAM	1932.50	4.5142	1980.00 + 1990.00	18.903	23.417
	256QAM	1932.50	4.5129	1980.00 + 1990.00	18.916	23.429
	QPSK	1932.50	4.4983	1980.00 + 1990.00	18.984	23.482
	16QAM	1932.50	4.4942	1980.00 + 1990.00	18.914	23.408
	64QAM	1932.50	4.5147	1980.00 + 1990.00	18.902	23.417
	256QAM	1932.50	4.5199	1980.00 + 1990.00	18.982	23.502

Port 9	QPSK	1932.50	4.5127	1980.00 + 1990.00	18.907	23.420
	16QAM	1932.50	4.4870	1980.00 + 1990.00	18.935	23.422
	64QAM	1932.50	4.5257	1980.00 + 1990.00	18.925	23.451
	256QAM	1932.50	4.5307	1980.00 + 1990.00	18.896	23.427
	QPSK	1932.50	4.5324	1980.00 + 1990.00	18.915	23.448
	16QAM	1932.50	4.4971	1980.00 + 1990.00	18.908	23.405
	64QAM	1932.50	4.5126	1980.00 + 1990.00	18.887	23.400
	256QAM	1932.50	4.5068	1980.00 + 1990.00	18.904	23.410
	QPSK	1932.50	4.5368	1980.00 + 1990.00	18.889	23.426
	16QAM	1932.50	4.4945	1980.00 + 1990.00	18.958	23.452
	64QAM	1932.50	4.5194	1980.00 + 1990.00	18.897	23.416
	256QAM	1932.50	4.5072	1980.00 + 1990.00	18.948	23.455
Port 10	QPSK	1932.50	4.5082	1980.00 + 1990.00	18.928	23.436
	16QAM	1932.50	4.4960	1980.00 + 1990.00	18.923	23.419
	64QAM	1932.50	4.5191	1980.00 + 1990.00	18.951	23.470
	256QAM	1932.50	4.5144	1980.00 + 1990.00	18.923	23.437
	QPSK	1932.50	4.5064	1980.00 + 1990.00	18.912	23.419
	16QAM	1932.50	4.4668	1980.00 + 1990.00	18.958	23.425
	64QAM	1932.50	4.5178	1980.00 + 1990.00	18.903	23.421
	256QAM	1932.50	4.5041	1980.00 + 1990.00	18.910	23.414
	QPSK	1932.50	4.5248	1980.00 + 1990.00	18.900	23.425
	16QAM	1932.50	4.4904	1980.00 + 1990.00	18.926	23.416
	64QAM	1932.50	4.5126	1980.00 + 1990.00	18.914	23.427
	256QAM	1932.50	4.5162	1980.00 + 1990.00	18.910	23.426
Port 11	QPSK	1932.50	4.5201	1980.00 + 1990.00	18.908	23.428
	16QAM	1932.50	4.5036	1980.00 + 1990.00	18.922	23.426
	64QAM	1932.50	4.4987	1980.00 + 1990.00	18.937	23.436
	256QAM	1932.50	4.5256	1980.00 + 1990.00	18.945	23.471
	QPSK	1932.50	4.5174	1980.00 + 1990.00	18.943	23.461
	16QAM	1932.50	4.5054	1980.00 + 1990.00	18.895	23.400
	64QAM	1932.50	4.5032	1980.00 + 1990.00	18.946	23.450
	256QAM	1932.50	4.5295	1980.00 + 1990.00	18.916	23.445
	QPSK	1932.50	4.5158	1980.00 + 1990.00	18.962	23.478
	16QAM	1932.50	4.4753	1980.00 + 1990.00	18.916	23.391
	64QAM	1932.50	4.5157	1980.00 + 1990.00	18.918	23.434
	256QAM	1932.50	4.5131	1980.00 + 1990.00	18.915	23.428

Port 12	QPSK	1932.50	4.5195	1980.00 + 1990.00	18.940	23.459
	16QAM	1932.50	4.4835	1980.00 + 1990.00	18.864	23.348
	64QAM	1932.50	4.5111	1980.00 + 1990.00	18.907	23.418
	256QAM	1932.50	4.5144	1980.00 + 1990.00	18.920	23.434
	QPSK	1932.50	4.5247	1980.00 + 1990.00	18.890	23.415
	16QAM	1932.50	4.4807	1980.00 + 1990.00	18.966	23.447
	64QAM	1932.50	4.5183	1980.00 + 1990.00	18.909	23.427
	256QAM	1932.50	4.5174	1980.00 + 1990.00	18.890	23.407
	QPSK	1932.50	4.5173	1980.00 + 1990.00	18.924	23.442
	16QAM	1932.50	4.4961	1980.00 + 1990.00	18.948	23.444
	64QAM	1932.50	4.5231	1980.00 + 1990.00	18.954	23.477
	256QAM	1932.50	4.5072	1980.00 + 1990.00	18.944	23.451
Port 13	QPSK	1932.50	4.5256	1980.00 + 1990.00	18.963	23.489
	16QAM	1932.50	4.4973	1980.00 + 1990.00	18.969	23.467
	64QAM	1932.50	4.5104	1980.00 + 1990.00	18.899	23.410
	256QAM	1932.50	4.5239	1980.00 + 1990.00	18.942	23.466
	QPSK	1932.50	4.5071	1980.00 + 1990.00	18.953	23.460
	16QAM	1932.50	4.5090	1980.00 + 1990.00	19.019	23.528
	64QAM	1932.50	4.5028	1980.00 + 1990.00	18.948	23.450
	256QAM	1932.50	4.5073	1980.00 + 1990.00	18.904	23.411
	QPSK	1932.50	4.5128	1980.00 + 1990.00	18.892	23.405
	16QAM	1932.50	4.4977	1980.00 + 1990.00	18.929	23.427
	64QAM	1932.50	4.5142	1980.00 + 1990.00	18.903	23.417
	256QAM	1932.50	4.5129	1980.00 + 1990.00	18.916	23.429
Port 14	QPSK	1932.50	4.4983	1980.00 + 1990.00	18.984	23.482
	16QAM	1932.50	4.4942	1980.00 + 1990.00	18.914	23.408
	64QAM	1932.50	4.5147	1980.00 + 1990.00	18.902	23.417
	256QAM	1932.50	4.5199	1980.00 + 1990.00	18.982	23.502
	QPSK	1932.50	4.5127	1980.00 + 1990.00	18.907	23.420
	16QAM	1932.50	4.4870	1980.00 + 1990.00	18.935	23.422
	64QAM	1932.50	4.5257	1980.00 + 1990.00	18.925	23.451
	256QAM	1932.50	4.5307	1980.00 + 1990.00	18.896	23.427
	QPSK	1932.50	4.5324	1980.00 + 1990.00	18.915	23.448
	16QAM	1932.50	4.4971	1980.00 + 1990.00	18.908	23.405
	64QAM	1932.50	4.5126	1980.00 + 1990.00	18.887	23.400
	256QAM	1932.50	4.5068	1980.00 + 1990.00	18.904	23.410

Port 15	QPSK	1932.50	4.5368	1980.00 + 1990.00	18.889	23.426
	16QAM	1932.50	4.4945	1980.00 + 1990.00	18.958	23.452
	64QAM	1932.50	4.5194	1980.00 + 1990.00	18.897	23.416
	256QAM	1932.50	4.5072	1980.00 + 1990.00	18.948	23.455
	QPSK	1932.50	4.5082	1980.00 + 1990.00	18.928	23.436
	16QAM	1932.50	4.4960	1980.00 + 1990.00	18.923	23.419
	64QAM	1932.50	4.5191	1980.00 + 1990.00	18.951	23.470
	256QAM	1932.50	4.5144	1980.00 + 1990.00	18.923	23.437
	QPSK	1932.50	4.5064	1980.00 + 1990.00	18.912	23.419
	16QAM	1932.50	4.4668	1980.00 + 1990.00	18.958	23.425
	64QAM	1932.50	4.5178	1980.00 + 1990.00	18.903	23.421
	256QAM	1932.50	4.5041	1980.00 + 1990.00	18.910	23.414
Port 16	QPSK	1932.50	4.5248	1980.00 + 1990.00	18.900	23.425
	16QAM	1932.50	4.4904	1980.00 + 1990.00	18.926	23.416
	64QAM	1932.50	4.5126	1980.00 + 1990.00	18.914	23.427
	256QAM	1932.50	4.5162	1980.00 + 1990.00	18.910	23.426
	QPSK	1932.50	4.5201	1980.00 + 1990.00	18.908	23.428
	16QAM	1932.50	4.5036	1980.00 + 1990.00	18.922	23.426
	64QAM	1932.50	4.4987	1980.00 + 1990.00	18.937	23.436
	256QAM	1932.50	4.5256	1980.00 + 1990.00	18.945	23.471
	QPSK	1932.50	4.5174	1980.00 + 1990.00	18.943	23.461
	16QAM	1932.50	4.5054	1980.00 + 1990.00	18.895	23.400
	64QAM	1932.50	4.5032	1980.00 + 1990.00	18.946	23.450
	256QAM	1932.50	4.5295	1980.00 + 1990.00	18.916	23.445

LTE Band 25 10 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier [3 Carrier]

Port	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)	Occupied Bandwidth (MHz)
Port 1	QPSK	1935.00 + 1945.00	18.935	1992.50	4.5218	23.457
	16QAM	1935.00 + 1945.00	18.917	1992.50	4.4971	23.414
	64QAM	1935.00 + 1945.00	18.934	1992.50	4.5259	23.460
	256QAM	1935.00 + 1945.00	18.912	1992.50	4.5070	23.419
	QPSK	1935.00 + 1945.00	18.978	1992.50	4.5068	23.484
	16QAM	1935.00 + 1945.00	18.863	1992.50	4.4770	23.340
	64QAM	1935.00 + 1945.00	18.932	1992.50	4.5395	23.471
	256QAM	1935.00 + 1945.00	18.946	1992.50	4.5212	23.467
	QPSK	1935.00 + 1945.00	18.935	1992.50	4.5218	23.457
	16QAM	1935.00 + 1945.00	18.917	1992.50	4.4971	23.414
	64QAM	1935.00 + 1945.00	18.934	1992.50	4.5259	23.460
	256QAM	1935.00 + 1945.00	18.912	1992.50	4.5070	23.419
Port 2	QPSK	1935.00 + 1945.00	18.978	1992.50	4.5068	23.484
	16QAM	1935.00 + 1945.00	18.863	1992.50	4.4770	23.340
	64QAM	1935.00 + 1945.00	18.932	1992.50	4.5395	23.471
	256QAM	1935.00 + 1945.00	18.946	1992.50	4.5212	23.467
	QPSK	1935.00 + 1945.00	18.935	1992.50	4.5218	23.457
	16QAM	1935.00 + 1945.00	18.917	1992.50	4.4971	23.414
	64QAM	1935.00 + 1945.00	18.934	1992.50	4.5259	23.460
	256QAM	1935.00 + 1945.00	18.912	1992.50	4.5070	23.419
	QPSK	1935.00 + 1945.00	18.978	1992.50	4.5068	23.484
	16QAM	1935.00 + 1945.00	18.863	1992.50	4.4770	23.340
	64QAM	1935.00 + 1945.00	18.932	1992.50	4.5395	23.471
	256QAM	1935.00 + 1945.00	18.946	1992.50	4.5212	23.467

Port 3	QPSK	1935.00 + 1945.00	18.940	1992.50	4.5292	23.470
	16QAM	1935.00 + 1945.00	18.916	1992.50	4.4835	23.400
	64QAM	1935.00 + 1945.00	18.962	1992.50	4.5178	23.480
	256QAM	1935.00 + 1945.00	18.945	1992.50	4.5158	23.460
	QPSK	1935.00 + 1945.00	18.932	1992.50	4.5244	23.457
	16QAM	1935.00 + 1945.00	18.871	1992.50	4.5010	23.372
	64QAM	1935.00 + 1945.00	18.920	1992.50	4.5312	23.451
	256QAM	1935.00 + 1945.00	18.891	1992.50	4.5165	23.408
	QPSK	1935.00 + 1945.00	18.880	1992.50	4.5273	23.407
	16QAM	1935.00 + 1945.00	18.937	1992.50	4.4899	23.427
	64QAM	1935.00 + 1945.00	18.929	1992.50	4.5137	23.443
	256QAM	1935.00 + 1945.00	18.927	1992.50	4.5293	23.457
Port 4	QPSK	1935.00 + 1945.00	18.940	1992.50	4.5292	23.470
	16QAM	1935.00 + 1945.00	18.916	1992.50	4.4835	23.400
	64QAM	1935.00 + 1945.00	18.962	1992.50	4.5178	23.480
	256QAM	1935.00 + 1945.00	18.945	1992.50	4.5158	23.460
	QPSK	1935.00 + 1945.00	18.932	1992.50	4.5244	23.457
	16QAM	1935.00 + 1945.00	18.871	1992.50	4.5010	23.372
	64QAM	1935.00 + 1945.00	18.920	1992.50	4.5312	23.451
	256QAM	1935.00 + 1945.00	18.891	1992.50	4.5165	23.408
	QPSK	1935.00 + 1945.00	18.880	1992.50	4.5273	23.407
	16QAM	1935.00 + 1945.00	18.937	1992.50	4.4899	23.427
	64QAM	1935.00 + 1945.00	18.929	1992.50	4.5137	23.443
	256QAM	1935.00 + 1945.00	18.927	1992.50	4.5293	23.457
Port 5	QPSK	1935.00 + 1945.00	18.940	1992.50	4.5292	23.470
	16QAM	1935.00 + 1945.00	18.916	1992.50	4.4835	23.400
	64QAM	1935.00 + 1945.00	18.962	1992.50	4.5178	23.480
	256QAM	1935.00 + 1945.00	18.945	1992.50	4.5158	23.460
	QPSK	1935.00 + 1945.00	18.932	1992.50	4.5244	23.457
	16QAM	1935.00 + 1945.00	18.871	1992.50	4.5010	23.372
	64QAM	1935.00 + 1945.00	18.920	1992.50	4.5312	23.451
	256QAM	1935.00 + 1945.00	18.891	1992.50	4.5165	23.408
	QPSK	1935.00 + 1945.00	18.880	1992.50	4.5273	23.407
	16QAM	1935.00 + 1945.00	18.937	1992.50	4.4899	23.427
	64QAM	1935.00 + 1945.00	18.929	1992.50	4.5137	23.443
	256QAM	1935.00 + 1945.00	18.927	1992.50	4.5293	23.457

Port 6	QPSK	1935.00 + 1945.00	18.937	1992.50	4.5352	23.473
	16QAM	1935.00 + 1945.00	18.938	1992.50	4.5042	23.443
	64QAM	1935.00 + 1945.00	18.919	1992.50	4.5148	23.434
	256QAM	1935.00 + 1945.00	18.946	1992.50	4.5360	23.482
	QPSK	1935.00 + 1945.00	18.959	1992.50	4.5293	23.489
	16QAM	1935.00 + 1945.00	18.919	1992.50	4.4942	23.413
	64QAM	1935.00 + 1945.00	18.892	1992.50	4.5093	23.401
	256QAM	1935.00 + 1945.00	18.883	1992.50	4.5498	23.433
	QPSK	1935.00 + 1945.00	18.926	1992.50	4.5227	23.448
	16QAM	1935.00 + 1945.00	18.905	1992.50	4.4750	23.379
	64QAM	1935.00 + 1945.00	18.970	1992.50	4.5244	23.494
	256QAM	1935.00 + 1945.00	18.925	1992.50	4.5090	23.434
Port 7	QPSK	1935.00 + 1945.00	18.937	1992.50	4.5352	23.473
	16QAM	1935.00 + 1945.00	18.938	1992.50	4.5042	23.443
	64QAM	1935.00 + 1945.00	18.919	1992.50	4.5148	23.434
	256QAM	1935.00 + 1945.00	18.946	1992.50	4.5360	23.482
	QPSK	1935.00 + 1945.00	18.959	1992.50	4.5293	23.489
	16QAM	1935.00 + 1945.00	18.919	1992.50	4.4942	23.413
	64QAM	1935.00 + 1945.00	18.892	1992.50	4.5093	23.401
	256QAM	1935.00 + 1945.00	18.883	1992.50	4.5498	23.433
	QPSK	1935.00 + 1945.00	18.926	1992.50	4.5227	23.448
	16QAM	1935.00 + 1945.00	18.905	1992.50	4.4750	23.379
	64QAM	1935.00 + 1945.00	18.970	1992.50	4.5244	23.494
	256QAM	1935.00 + 1945.00	18.925	1992.50	4.5090	23.434
Port 8	QPSK	1935.00 + 1945.00	18.937	1992.50	4.5352	23.473
	16QAM	1935.00 + 1945.00	18.938	1992.50	4.5042	23.443
	64QAM	1935.00 + 1945.00	18.919	1992.50	4.5148	23.434
	256QAM	1935.00 + 1945.00	18.946	1992.50	4.5360	23.482
	QPSK	1935.00 + 1945.00	18.959	1992.50	4.5293	23.489
	16QAM	1935.00 + 1945.00	18.919	1992.50	4.4942	23.413
	64QAM	1935.00 + 1945.00	18.892	1992.50	4.5093	23.401
	256QAM	1935.00 + 1945.00	18.883	1992.50	4.5498	23.433
	QPSK	1935.00 + 1945.00	18.926	1992.50	4.5227	23.448
	16QAM	1935.00 + 1945.00	18.905	1992.50	4.4750	23.379
	64QAM	1935.00 + 1945.00	18.970	1992.50	4.5244	23.494
	256QAM	1935.00 + 1945.00	18.925	1992.50	4.5090	23.434

Port 9	QPSK	1935.00 + 1945.00	18.962	1992.50	4.5127	23.474
	16QAM	1935.00 + 1945.00	18.896	1992.50	4.5062	23.402
	64QAM	1935.00 + 1945.00	18.962	1992.50	4.5232	23.485
	256QAM	1935.00 + 1945.00	18.898	1992.50	4.5124	23.410
	QPSK	1935.00 + 1945.00	18.891	1992.50	4.5291	23.420
	16QAM	1935.00 + 1945.00	18.945	1992.50	4.4927	23.437
	64QAM	1935.00 + 1945.00	18.936	1992.50	4.5075	23.443
	256QAM	1935.00 + 1945.00	18.940	1992.50	4.5179	23.458
	QPSK	1935.00 + 1945.00	18.928	1992.50	4.5195	23.447
	16QAM	1935.00 + 1945.00	18.988	1992.50	4.4860	23.474
	64QAM	1935.00 + 1945.00	18.942	1992.50	4.5196	23.462
	256QAM	1935.00 + 1945.00	18.924	1992.50	4.5256	23.450
Port 10	QPSK	1935.00 + 1945.00	18.962	1992.50	4.5127	23.474
	16QAM	1935.00 + 1945.00	18.896	1992.50	4.5062	23.402
	64QAM	1935.00 + 1945.00	18.962	1992.50	4.5232	23.485
	256QAM	1935.00 + 1945.00	18.898	1992.50	4.5124	23.410
	QPSK	1935.00 + 1945.00	18.891	1992.50	4.5291	23.420
	16QAM	1935.00 + 1945.00	18.945	1992.50	4.4927	23.437
	64QAM	1935.00 + 1945.00	18.936	1992.50	4.5075	23.443
	256QAM	1935.00 + 1945.00	18.940	1992.50	4.5179	23.458
	QPSK	1935.00 + 1945.00	18.928	1992.50	4.5195	23.447
	16QAM	1935.00 + 1945.00	18.988	1992.50	4.4860	23.474
	64QAM	1935.00 + 1945.00	18.942	1992.50	4.5196	23.462
	256QAM	1935.00 + 1945.00	18.924	1992.50	4.5256	23.450
Port 11	QPSK	1935.00 + 1945.00	18.962	1992.50	4.5127	23.474
	16QAM	1935.00 + 1945.00	18.896	1992.50	4.5062	23.402
	64QAM	1935.00 + 1945.00	18.962	1992.50	4.5232	23.485
	256QAM	1935.00 + 1945.00	18.898	1992.50	4.5124	23.410
	QPSK	1935.00 + 1945.00	18.891	1992.50	4.5291	23.420
	16QAM	1935.00 + 1945.00	18.945	1992.50	4.4927	23.437
	64QAM	1935.00 + 1945.00	18.936	1992.50	4.5075	23.443
	256QAM	1935.00 + 1945.00	18.940	1992.50	4.5179	23.458
	QPSK	1935.00 + 1945.00	18.928	1992.50	4.5195	23.447
	16QAM	1935.00 + 1945.00	18.988	1992.50	4.4860	23.474
	64QAM	1935.00 + 1945.00	18.942	1992.50	4.5196	23.462
	256QAM	1935.00 + 1945.00	18.924	1992.50	4.5256	23.450

Port 12	QPSK	1935.00 + 1945.00	18.891	1992.50	4.5051	23.396
	16QAM	1935.00 + 1945.00	18.910	1992.50	4.5044	23.415
	64QAM	1935.00 + 1945.00	18.908	1992.50	4.5215	23.430
	256QAM	1935.00 + 1945.00	18.893	1992.50	4.5223	23.416
	QPSK	1935.00 + 1945.00	18.968	1992.50	4.5351	23.503
	16QAM	1935.00 + 1945.00	18.946	1992.50	4.5135	23.460
	64QAM	1935.00 + 1945.00	18.966	1992.50	4.5218	23.488
	256QAM	1935.00 + 1945.00	18.906	1992.50	4.5184	23.425
	QPSK	1935.00 + 1945.00	18.929	1992.50	4.5051	23.434
	16QAM	1935.00 + 1945.00	18.942	1992.50	4.4993	23.441
	64QAM	1935.00 + 1945.00	18.903	1992.50	4.5202	23.424
	256QAM	1935.00 + 1945.00	18.843	1992.50	4.5045	23.348
Port 13	QPSK	1935.00 + 1945.00	18.891	1992.50	4.5051	23.396
	16QAM	1935.00 + 1945.00	18.910	1992.50	4.5044	23.415
	64QAM	1935.00 + 1945.00	18.908	1992.50	4.5215	23.430
	256QAM	1935.00 + 1945.00	18.893	1992.50	4.5223	23.416
	QPSK	1935.00 + 1945.00	18.968	1992.50	4.5351	23.503
	16QAM	1935.00 + 1945.00	18.946	1992.50	4.5135	23.460
	64QAM	1935.00 + 1945.00	18.966	1992.50	4.5218	23.488
	256QAM	1935.00 + 1945.00	18.906	1992.50	4.5184	23.425
	QPSK	1935.00 + 1945.00	18.929	1992.50	4.5051	23.434
	16QAM	1935.00 + 1945.00	18.942	1992.50	4.4993	23.441
	64QAM	1935.00 + 1945.00	18.903	1992.50	4.5202	23.424
	256QAM	1935.00 + 1945.00	18.843	1992.50	4.5045	23.348
Port 14	QPSK	1935.00 + 1945.00	18.891	1992.50	4.5051	23.396
	16QAM	1935.00 + 1945.00	18.910	1992.50	4.5044	23.415
	64QAM	1935.00 + 1945.00	18.908	1992.50	4.5215	23.430
	256QAM	1935.00 + 1945.00	18.893	1992.50	4.5223	23.416
	QPSK	1935.00 + 1945.00	18.968	1992.50	4.5351	23.503
	16QAM	1935.00 + 1945.00	18.946	1992.50	4.5135	23.460
	64QAM	1935.00 + 1945.00	18.966	1992.50	4.5218	23.488
	256QAM	1935.00 + 1945.00	18.906	1992.50	4.5184	23.425
	QPSK	1935.00 + 1945.00	18.929	1992.50	4.5051	23.434
	16QAM	1935.00 + 1945.00	18.942	1992.50	4.4993	23.441
	64QAM	1935.00 + 1945.00	18.903	1992.50	4.5202	23.424
	256QAM	1935.00 + 1945.00	18.843	1992.50	4.5045	23.348

Port 15	QPSK	1935.00 + 1945.00	18.926	1992.50	4.5152	23.441
	16QAM	1935.00 + 1945.00	18.888	1992.50	4.4715	23.359
	64QAM	1935.00 + 1945.00	18.936	1992.50	4.5099	23.446
	256QAM	1935.00 + 1945.00	18.886	1992.50	4.5186	23.404
	QPSK	1935.00 + 1945.00	18.940	1992.50	4.5030	23.443
	16QAM	1935.00 + 1945.00	18.931	1992.50	4.4961	23.428
	64QAM	1935.00 + 1945.00	18.965	1992.50	4.5290	23.494
	256QAM	1935.00 + 1945.00	18.901	1992.50	4.5006	23.401
	QPSK	1935.00 + 1945.00	18.926	1992.50	4.5152	23.441
	16QAM	1935.00 + 1945.00	18.888	1992.50	4.4715	23.359
	64QAM	1935.00 + 1945.00	18.936	1992.50	4.5099	23.446
	256QAM	1935.00 + 1945.00	18.886	1992.50	4.5186	23.404
Port 16	QPSK	1935.00 + 1945.00	18.940	1992.50	4.5030	23.443
	16QAM	1935.00 + 1945.00	18.931	1992.50	4.4961	23.428
	64QAM	1935.00 + 1945.00	18.965	1992.50	4.5290	23.494
	256QAM	1935.00 + 1945.00	18.901	1992.50	4.5006	23.401
	QPSK	1935.00 + 1945.00	18.926	1992.50	4.5152	23.441
	16QAM	1935.00 + 1945.00	18.888	1992.50	4.4715	23.359
	64QAM	1935.00 + 1945.00	18.936	1992.50	4.5099	23.446
	256QAM	1935.00 + 1945.00	18.886	1992.50	4.5186	23.404
	QPSK	1935.00 + 1945.00	18.940	1992.50	4.5030	23.443
	16QAM	1935.00 + 1945.00	18.931	1992.50	4.4961	23.428
	64QAM	1935.00 + 1945.00	18.965	1992.50	4.5290	23.494
	256QAM	1935.00 + 1945.00	18.901	1992.50	4.5006	23.401

LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier [3 Carrier]

Port	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)	Occupied Bandwidth (MHz)
Port 1	QPSK	1932.50	4.5157	1975.00 + 1987.50	23.627	28.143
	16QAM	1932.50	4.4883	1975.00 + 1987.50	23.598	28.086
	64QAM	1932.50	4.5149	1975.00 + 1987.50	23.657	28.172
	256QAM	1932.50	4.5176	1975.00 + 1987.50	23.635	28.153
	QPSK	1932.50	4.5169	1975.00 + 1987.50	23.656	28.173
	16QAM	1932.50	4.4886	1975.00 + 1987.50	23.653	28.142
	64QAM	1932.50	4.5113	1975.00 + 1987.50	23.672	28.184
	256QAM	1932.50	4.5159	1975.00 + 1987.50	23.690	28.205
	QPSK	1932.50	4.5106	1975.00 + 1987.50	23.678	28.189
	16QAM	1932.50	4.4810	1975.00 + 1987.50	23.709	28.190
	64QAM	1932.50	4.5171	1975.00 + 1987.50	23.701	28.218
	256QAM	1932.50	4.5196	1975.00 + 1987.50	23.659	28.179
Port 2	QPSK	1932.50	4.5086	1975.00 + 1987.50	23.680	28.189
	16QAM	1932.50	4.4879	1975.00 + 1987.50	23.674	28.162
	64QAM	1932.50	4.5139	1975.00 + 1987.50	23.644	28.158
	256QAM	1932.50	4.5113	1975.00 + 1987.50	23.636	28.147
	QPSK	1932.50	4.5164	1975.00 + 1987.50	23.668	28.185
	16QAM	1932.50	4.4897	1975.00 + 1987.50	23.608	28.097
	64QAM	1932.50	4.5143	1975.00 + 1987.50	23.665	28.179
	256QAM	1932.50	4.5096	1975.00 + 1987.50	23.640	28.150
	QPSK	1932.50	4.5128	1975.00 + 1987.50	23.719	28.231
	16QAM	1932.50	4.4978	1975.00 + 1987.50	23.729	28.227
	64QAM	1932.50	4.5163	1975.00 + 1987.50	23.663	28.179
	256QAM	1932.50	4.5150	1975.00 + 1987.50	23.631	28.146

Port 3	QPSK	1932.50	4.5207	1975.00 + 1987.50	23.710	28.231
	16QAM	1932.50	4.4900	1975.00 + 1987.50	23.714	28.204
	64QAM	1932.50	4.5167	1975.00 + 1987.50	23.630	28.147
	256QAM	1932.50	4.5161	1975.00 + 1987.50	23.695	28.211
	QPSK	1932.50	4.5221	1975.00 + 1987.50	23.662	28.184
	16QAM	1932.50	4.4949	1975.00 + 1987.50	23.681	28.176
	64QAM	1932.50	4.5167	1975.00 + 1987.50	23.665	28.181
	256QAM	1932.50	4.5134	1975.00 + 1987.50	23.663	28.176
	QPSK	1932.50	4.5182	1975.00 + 1987.50	23.660	28.178
	16QAM	1932.50	4.4922	1975.00 + 1987.50	23.661	28.153
	64QAM	1932.50	4.5168	1975.00 + 1987.50	23.649	28.166
	256QAM	1932.50	4.5223	1975.00 + 1987.50	23.668	28.190
Port 4	QPSK	1932.50	4.5122	1975.00 + 1987.50	23.706	28.218
	16QAM	1932.50	4.4894	1975.00 + 1987.50	23.692	28.181
	64QAM	1932.50	4.5114	1975.00 + 1987.50	23.663	28.175
	256QAM	1932.50	4.5137	1975.00 + 1987.50	23.648	28.162
	QPSK	1932.50	4.5228	1975.00 + 1987.50	23.635	28.157
	16QAM	1932.50	4.4953	1975.00 + 1987.50	23.683	28.179
	64QAM	1932.50	4.5148	1975.00 + 1987.50	23.684	28.199
	256QAM	1932.50	4.5130	1975.00 + 1987.50	23.646	28.159
	QPSK	1932.50	4.5257	1975.00 + 1987.50	23.653	28.178
	16QAM	1932.50	4.4873	1975.00 + 1987.50	23.715	28.202
	64QAM	1932.50	4.5239	1975.00 + 1987.50	23.662	28.186
	256QAM	1932.50	4.5193	1975.00 + 1987.50	23.640	28.160
Port 5	QPSK	1932.50	4.5126	1975.00 + 1987.50	23.617	28.129
	16QAM	1932.50	4.4912	1975.00 + 1987.50	23.678	28.169
	64QAM	1932.50	4.5207	1975.00 + 1987.50	23.647	28.168
	256QAM	1932.50	4.5170	1975.00 + 1987.50	23.688	28.205
	QPSK	1932.50	4.5161	1975.00 + 1987.50	23.708	28.224
	16QAM	1932.50	4.4913	1975.00 + 1987.50	23.670	28.162
	64QAM	1932.50	4.5172	1975.00 + 1987.50	23.672	28.189
	256QAM	1932.50	4.5143	1975.00 + 1987.50	23.632	28.146
	QPSK	1932.50	4.5106	1975.00 + 1987.50	23.653	28.164
	16QAM	1932.50	4.4891	1975.00 + 1987.50	23.715	28.205
	64QAM	1932.50	4.5139	1975.00 + 1987.50	23.670	28.184
	256QAM	1932.50	4.5105	1975.00 + 1987.50	23.627	28.138

Port 6	QPSK	1932.50	4.5185	1975.00 + 1987.50	23.633	28.152
	16QAM	1932.50	4.4830	1975.00 + 1987.50	23.714	28.197
	64QAM	1932.50	4.5166	1975.00 + 1987.50	23.653	28.170
	256QAM	1932.50	4.5194	1975.00 + 1987.50	23.733	28.252
	QPSK	1932.50	4.5157	1975.00 + 1987.50	23.627	28.143
	16QAM	1932.50	4.4883	1975.00 + 1987.50	23.598	28.086
	64QAM	1932.50	4.5149	1975.00 + 1987.50	23.657	28.172
	256QAM	1932.50	4.5176	1975.00 + 1987.50	23.635	28.153
	QPSK	1932.50	4.5169	1975.00 + 1987.50	23.656	28.173
	16QAM	1932.50	4.4886	1975.00 + 1987.50	23.653	28.142
	64QAM	1932.50	4.5113	1975.00 + 1987.50	23.672	28.184
	256QAM	1932.50	4.5159	1975.00 + 1987.50	23.690	28.205
Port 7	QPSK	1932.50	4.5106	1975.00 + 1987.50	23.678	28.189
	16QAM	1932.50	4.4810	1975.00 + 1987.50	23.709	28.190
	64QAM	1932.50	4.5171	1975.00 + 1987.50	23.701	28.218
	256QAM	1932.50	4.5196	1975.00 + 1987.50	23.659	28.179
	QPSK	1932.50	4.5086	1975.00 + 1987.50	23.680	28.189
	16QAM	1932.50	4.4879	1975.00 + 1987.50	23.674	28.162
	64QAM	1932.50	4.5139	1975.00 + 1987.50	23.644	28.158
	256QAM	1932.50	4.5113	1975.00 + 1987.50	23.636	28.147
	QPSK	1932.50	4.5164	1975.00 + 1987.50	23.668	28.185
	16QAM	1932.50	4.4897	1975.00 + 1987.50	23.608	28.097
	64QAM	1932.50	4.5143	1975.00 + 1987.50	23.665	28.179
	256QAM	1932.50	4.5096	1975.00 + 1987.50	23.640	28.150
Port 8	QPSK	1932.50	4.5128	1975.00 + 1987.50	23.719	28.231
	16QAM	1932.50	4.4978	1975.00 + 1987.50	23.729	28.227
	64QAM	1932.50	4.5163	1975.00 + 1987.50	23.663	28.179
	256QAM	1932.50	4.5150	1975.00 + 1987.50	23.631	28.146
	QPSK	1932.50	4.5207	1975.00 + 1987.50	23.710	28.231
	16QAM	1932.50	4.4900	1975.00 + 1987.50	23.714	28.204
	64QAM	1932.50	4.5167	1975.00 + 1987.50	23.630	28.147
	256QAM	1932.50	4.5161	1975.00 + 1987.50	23.695	28.211
	QPSK	1932.50	4.5221	1975.00 + 1987.50	23.662	28.184
	16QAM	1932.50	4.4949	1975.00 + 1987.50	23.681	28.176
	64QAM	1932.50	4.5167	1975.00 + 1987.50	23.665	28.181
	256QAM	1932.50	4.5134	1975.00 + 1987.50	23.663	28.176

Port 9	QPSK	1932.50	4.5182	1975.00 + 1987.50	23.660	28.178
	16QAM	1932.50	4.4922	1975.00 + 1987.50	23.661	28.153
	64QAM	1932.50	4.5168	1975.00 + 1987.50	23.649	28.166
	256QAM	1932.50	4.5223	1975.00 + 1987.50	23.668	28.190
	QPSK	1932.50	4.5122	1975.00 + 1987.50	23.706	28.218
	16QAM	1932.50	4.4894	1975.00 + 1987.50	23.692	28.181
	64QAM	1932.50	4.5114	1975.00 + 1987.50	23.663	28.175
	256QAM	1932.50	4.5137	1975.00 + 1987.50	23.648	28.162
	QPSK	1932.50	4.5228	1975.00 + 1987.50	23.635	28.157
	16QAM	1932.50	4.4953	1975.00 + 1987.50	23.683	28.179
	64QAM	1932.50	4.5148	1975.00 + 1987.50	23.684	28.199
	256QAM	1932.50	4.5130	1975.00 + 1987.50	23.646	28.159
Port 10	QPSK	1932.50	4.5257	1975.00 + 1987.50	23.653	28.178
	16QAM	1932.50	4.4873	1975.00 + 1987.50	23.715	28.202
	64QAM	1932.50	4.5239	1975.00 + 1987.50	23.662	28.186
	256QAM	1932.50	4.5193	1975.00 + 1987.50	23.640	28.160
	QPSK	1932.50	4.5126	1975.00 + 1987.50	23.617	28.129
	16QAM	1932.50	4.4912	1975.00 + 1987.50	23.678	28.169
	64QAM	1932.50	4.5207	1975.00 + 1987.50	23.647	28.168
	256QAM	1932.50	4.5170	1975.00 + 1987.50	23.688	28.205
	QPSK	1932.50	4.5161	1975.00 + 1987.50	23.708	28.224
	16QAM	1932.50	4.4913	1975.00 + 1987.50	23.670	28.162
	64QAM	1932.50	4.5172	1975.00 + 1987.50	23.672	28.189
	256QAM	1932.50	4.5143	1975.00 + 1987.50	23.632	28.146
Port 11	QPSK	1932.50	4.5106	1975.00 + 1987.50	23.653	28.164
	16QAM	1932.50	4.4891	1975.00 + 1987.50	23.715	28.205
	64QAM	1932.50	4.5139	1975.00 + 1987.50	23.670	28.184
	256QAM	1932.50	4.5105	1975.00 + 1987.50	23.627	28.138
	QPSK	1932.50	4.5185	1975.00 + 1987.50	23.633	28.152
	16QAM	1932.50	4.4830	1975.00 + 1987.50	23.714	28.197
	64QAM	1932.50	4.5166	1975.00 + 1987.50	23.653	28.170
	256QAM	1932.50	4.5194	1975.00 + 1987.50	23.733	28.252
	QPSK	1932.50	4.5157	1975.00 + 1987.50	23.627	28.143
	16QAM	1932.50	4.4883	1975.00 + 1987.50	23.598	28.086
	64QAM	1932.50	4.5149	1975.00 + 1987.50	23.657	28.172
	256QAM	1932.50	4.5176	1975.00 + 1987.50	23.635	28.153

Port 12	QPSK	1932.50	4.5169	1975.00 + 1987.50	23.656	28.173
	16QAM	1932.50	4.4886	1975.00 + 1987.50	23.653	28.142
	64QAM	1932.50	4.5113	1975.00 + 1987.50	23.672	28.184
	256QAM	1932.50	4.5159	1975.00 + 1987.50	23.690	28.205
	QPSK	1932.50	4.5106	1975.00 + 1987.50	23.678	28.189
	16QAM	1932.50	4.4810	1975.00 + 1987.50	23.709	28.190
	64QAM	1932.50	4.5171	1975.00 + 1987.50	23.701	28.218
	256QAM	1932.50	4.5196	1975.00 + 1987.50	23.659	28.179
	QPSK	1932.50	4.5086	1975.00 + 1987.50	23.680	28.189
	16QAM	1932.50	4.4879	1975.00 + 1987.50	23.674	28.162
	64QAM	1932.50	4.5139	1975.00 + 1987.50	23.644	28.158
	256QAM	1932.50	4.5113	1975.00 + 1987.50	23.636	28.147
Port 13	QPSK	1932.50	4.5164	1975.00 + 1987.50	23.668	28.185
	16QAM	1932.50	4.4897	1975.00 + 1987.50	23.608	28.097
	64QAM	1932.50	4.5143	1975.00 + 1987.50	23.665	28.179
	256QAM	1932.50	4.5096	1975.00 + 1987.50	23.640	28.150
	QPSK	1932.50	4.5128	1975.00 + 1987.50	23.719	28.231
	16QAM	1932.50	4.4978	1975.00 + 1987.50	23.729	28.227
	64QAM	1932.50	4.5163	1975.00 + 1987.50	23.663	28.179
	256QAM	1932.50	4.5150	1975.00 + 1987.50	23.631	28.146
	QPSK	1932.50	4.5207	1975.00 + 1987.50	23.710	28.231
	16QAM	1932.50	4.4900	1975.00 + 1987.50	23.714	28.204
	64QAM	1932.50	4.5167	1975.00 + 1987.50	23.630	28.147
	256QAM	1932.50	4.5161	1975.00 + 1987.50	23.695	28.211
Port 14	QPSK	1932.50	4.5221	1975.00 + 1987.50	23.662	28.184
	16QAM	1932.50	4.4949	1975.00 + 1987.50	23.681	28.176
	64QAM	1932.50	4.5167	1975.00 + 1987.50	23.665	28.181
	256QAM	1932.50	4.5134	1975.00 + 1987.50	23.663	28.176
	QPSK	1932.50	4.5182	1975.00 + 1987.50	23.660	28.178
	16QAM	1932.50	4.4922	1975.00 + 1987.50	23.661	28.153
	64QAM	1932.50	4.5168	1975.00 + 1987.50	23.649	28.166
	256QAM	1932.50	4.5223	1975.00 + 1987.50	23.668	28.190
	QPSK	1932.50	4.5122	1975.00 + 1987.50	23.706	28.218
	16QAM	1932.50	4.4894	1975.00 + 1987.50	23.692	28.181
	64QAM	1932.50	4.5114	1975.00 + 1987.50	23.663	28.175
	256QAM	1932.50	4.5137	1975.00 + 1987.50	23.648	28.162

Port 15	QPSK	1932.50	4.5228	1975.00 + 1987.50	23.635	28.157
	16QAM	1932.50	4.4953	1975.00 + 1987.50	23.683	28.179
	64QAM	1932.50	4.5148	1975.00 + 1987.50	23.684	28.199
	256QAM	1932.50	4.5130	1975.00 + 1987.50	23.646	28.159
	QPSK	1932.50	4.5257	1975.00 + 1987.50	23.653	28.178
	16QAM	1932.50	4.4873	1975.00 + 1987.50	23.715	28.202
	64QAM	1932.50	4.5239	1975.00 + 1987.50	23.662	28.186
	256QAM	1932.50	4.5193	1975.00 + 1987.50	23.640	28.160
	QPSK	1932.50	4.5126	1975.00 + 1987.50	23.617	28.129
	16QAM	1932.50	4.4912	1975.00 + 1987.50	23.678	28.169
	64QAM	1932.50	4.5207	1975.00 + 1987.50	23.647	28.168
	256QAM	1932.50	4.5170	1975.00 + 1987.50	23.688	28.205
Port 16	QPSK	1932.50	4.5161	1975.00 + 1987.50	23.708	28.224
	16QAM	1932.50	4.4913	1975.00 + 1987.50	23.670	28.162
	64QAM	1932.50	4.5172	1975.00 + 1987.50	23.672	28.189
	256QAM	1932.50	4.5143	1975.00 + 1987.50	23.632	28.146
	QPSK	1932.50	4.5106	1975.00 + 1987.50	23.653	28.164
	16QAM	1932.50	4.4891	1975.00 + 1987.50	23.715	28.205
	64QAM	1932.50	4.5139	1975.00 + 1987.50	23.670	28.184
	256QAM	1932.50	4.5105	1975.00 + 1987.50	23.627	28.138
	QPSK	1932.50	4.5185	1975.00 + 1987.50	23.633	28.152
	16QAM	1932.50	4.4830	1975.00 + 1987.50	23.714	28.197
	64QAM	1932.50	4.5166	1975.00 + 1987.50	23.653	28.170
	256QAM	1932.50	4.5194	1975.00 + 1987.50	23.733	28.252

LTE Band 25 10 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier [3 Carrier]

Port	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)	Occupied Bandwidth (MHz)
Port 1	QPSK	1935.00 + 1947.50	23.682	1992.50	4.5151	28.197
	16QAM	1935.00 + 1947.50	23.650	1992.50	4.4853	28.135
	64QAM	1935.00 + 1947.50	23.635	1992.50	4.5177	28.153
	256QAM	1935.00 + 1947.50	23.666	1992.50	4.5135	28.179
	QPSK	1935.00 + 1947.50	23.680	1992.50	4.5108	28.191
	16QAM	1935.00 + 1947.50	23.687	1992.50	4.4863	28.173
	64QAM	1935.00 + 1947.50	23.648	1992.50	4.5202	28.168
	256QAM	1935.00 + 1947.50	23.682	1992.50	4.5123	28.194
	QPSK	1935.00 + 1947.50	23.682	1992.50	4.5151	28.197
	16QAM	1935.00 + 1947.50	23.650	1992.50	4.4853	28.135
	64QAM	1935.00 + 1947.50	23.635	1992.50	4.5177	28.153
	256QAM	1935.00 + 1947.50	23.666	1992.50	4.5135	28.179
Port 2	QPSK	1935.00 + 1947.50	23.680	1992.50	4.5108	28.191
	16QAM	1935.00 + 1947.50	23.687	1992.50	4.4863	28.173
	64QAM	1935.00 + 1947.50	23.648	1992.50	4.5202	28.168
	256QAM	1935.00 + 1947.50	23.682	1992.50	4.5123	28.194
	QPSK	1935.00 + 1947.50	23.682	1992.50	4.5151	28.197
	16QAM	1935.00 + 1947.50	23.650	1992.50	4.4853	28.135
	64QAM	1935.00 + 1947.50	23.635	1992.50	4.5177	28.153
	256QAM	1935.00 + 1947.50	23.666	1992.50	4.5135	28.179
	QPSK	1935.00 + 1947.50	23.680	1992.50	4.5108	28.191
	16QAM	1935.00 + 1947.50	23.687	1992.50	4.4863	28.173
	64QAM	1935.00 + 1947.50	23.648	1992.50	4.5202	28.168
	256QAM	1935.00 + 1947.50	23.682	1992.50	4.5123	28.194

Port 3	QPSK	1935.00 + 1947.50	23.652	1992.50	4.5132	28.165
	16QAM	1935.00 + 1947.50	23.677	1992.50	4.4889	28.166
	64QAM	1935.00 + 1947.50	23.631	1992.50	4.5168	28.148
	256QAM	1935.00 + 1947.50	23.674	1992.50	4.5104	28.184
	QPSK	1935.00 + 1947.50	23.646	1992.50	4.5154	28.161
	16QAM	1935.00 + 1947.50	23.637	1992.50	4.4936	28.131
	64QAM	1935.00 + 1947.50	23.658	1992.50	4.5201	28.178
	256QAM	1935.00 + 1947.50	23.676	1992.50	4.5144	28.190
	QPSK	1935.00 + 1947.50	23.675	1992.50	4.5095	28.185
	16QAM	1935.00 + 1947.50	23.691	1992.50	4.4902	28.181
	64QAM	1935.00 + 1947.50	23.683	1992.50	4.5135	28.196
	256QAM	1935.00 + 1947.50	23.597	1992.50	4.5160	28.113
Port 4	QPSK	1935.00 + 1947.50	23.652	1992.50	4.5132	28.165
	16QAM	1935.00 + 1947.50	23.677	1992.50	4.4889	28.166
	64QAM	1935.00 + 1947.50	23.631	1992.50	4.5168	28.148
	256QAM	1935.00 + 1947.50	23.674	1992.50	4.5104	28.184
	QPSK	1935.00 + 1947.50	23.646	1992.50	4.5154	28.161
	16QAM	1935.00 + 1947.50	23.637	1992.50	4.4936	28.131
	64QAM	1935.00 + 1947.50	23.658	1992.50	4.5201	28.178
	256QAM	1935.00 + 1947.50	23.676	1992.50	4.5144	28.190
	QPSK	1935.00 + 1947.50	23.675	1992.50	4.5095	28.185
	16QAM	1935.00 + 1947.50	23.691	1992.50	4.4902	28.181
	64QAM	1935.00 + 1947.50	23.683	1992.50	4.5135	28.196
	256QAM	1935.00 + 1947.50	23.597	1992.50	4.5160	28.113
Port 5	QPSK	1935.00 + 1947.50	23.652	1992.50	4.5132	28.165
	16QAM	1935.00 + 1947.50	23.677	1992.50	4.4889	28.166
	64QAM	1935.00 + 1947.50	23.631	1992.50	4.5168	28.148
	256QAM	1935.00 + 1947.50	23.674	1992.50	4.5104	28.184
	QPSK	1935.00 + 1947.50	23.646	1992.50	4.5154	28.161
	16QAM	1935.00 + 1947.50	23.637	1992.50	4.4936	28.131
	64QAM	1935.00 + 1947.50	23.658	1992.50	4.5201	28.178
	256QAM	1935.00 + 1947.50	23.676	1992.50	4.5144	28.190
	QPSK	1935.00 + 1947.50	23.675	1992.50	4.5095	28.185
	16QAM	1935.00 + 1947.50	23.691	1992.50	4.4902	28.181
	64QAM	1935.00 + 1947.50	23.683	1992.50	4.5135	28.196
	256QAM	1935.00 + 1947.50	23.597	1992.50	4.5160	28.113

Port 6	QPSK	1935.00 + 1947.50	23.632	1992.50	4.5161	28.149
	16QAM	1935.00 + 1947.50	23.707	1992.50	4.4859	28.193
	64QAM	1935.00 + 1947.50	23.671	1992.50	4.5157	28.187
	256QAM	1935.00 + 1947.50	23.690	1992.50	4.5174	28.207
	QPSK	1935.00 + 1947.50	23.698	1992.50	4.5223	28.221
	16QAM	1935.00 + 1947.50	23.650	1992.50	4.4972	28.147
	64QAM	1935.00 + 1947.50	23.678	1992.50	4.5213	28.199
	256QAM	1935.00 + 1947.50	23.674	1992.50	4.5183	28.192
	QPSK	1935.00 + 1947.50	23.632	1992.50	4.5145	28.146
	16QAM	1935.00 + 1947.50	23.673	1992.50	4.4996	28.173
	64QAM	1935.00 + 1947.50	23.654	1992.50	4.5141	28.168
	256QAM	1935.00 + 1947.50	23.659	1992.50	4.5188	28.177
Port 7	QPSK	1935.00 + 1947.50	23.632	1992.50	4.5161	28.149
	16QAM	1935.00 + 1947.50	23.707	1992.50	4.4859	28.193
	64QAM	1935.00 + 1947.50	23.671	1992.50	4.5157	28.187
	256QAM	1935.00 + 1947.50	23.690	1992.50	4.5174	28.207
	QPSK	1935.00 + 1947.50	23.698	1992.50	4.5223	28.221
	16QAM	1935.00 + 1947.50	23.650	1992.50	4.4972	28.147
	64QAM	1935.00 + 1947.50	23.678	1992.50	4.5213	28.199
	256QAM	1935.00 + 1947.50	23.674	1992.50	4.5183	28.192
	QPSK	1935.00 + 1947.50	23.632	1992.50	4.5145	28.146
	16QAM	1935.00 + 1947.50	23.673	1992.50	4.4996	28.173
	64QAM	1935.00 + 1947.50	23.654	1992.50	4.5141	28.168
	256QAM	1935.00 + 1947.50	23.659	1992.50	4.5188	28.177
Port 8	QPSK	1935.00 + 1947.50	23.632	1992.50	4.5161	28.149
	16QAM	1935.00 + 1947.50	23.707	1992.50	4.4859	28.193
	64QAM	1935.00 + 1947.50	23.671	1992.50	4.5157	28.187
	256QAM	1935.00 + 1947.50	23.690	1992.50	4.5174	28.207
	QPSK	1935.00 + 1947.50	23.698	1992.50	4.5223	28.221
	16QAM	1935.00 + 1947.50	23.650	1992.50	4.4972	28.147
	64QAM	1935.00 + 1947.50	23.678	1992.50	4.5213	28.199
	256QAM	1935.00 + 1947.50	23.674	1992.50	4.5183	28.192
	QPSK	1935.00 + 1947.50	23.632	1992.50	4.5145	28.146
	16QAM	1935.00 + 1947.50	23.673	1992.50	4.4996	28.173
	64QAM	1935.00 + 1947.50	23.654	1992.50	4.5141	28.168
	256QAM	1935.00 + 1947.50	23.659	1992.50	4.5188	28.177

Port 9	QPSK	1935.00 + 1947.50	23.665	1992.50	4.5156	28.180
	16QAM	1935.00 + 1947.50	23.675	1992.50	4.4924	28.167
	64QAM	1935.00 + 1947.50	23.683	1992.50	4.5124	28.196
	256QAM	1935.00 + 1947.50	23.684	1992.50	4.5208	28.205
	QPSK	1935.00 + 1947.50	23.644	1992.50	4.5180	28.162
	16QAM	1935.00 + 1947.50	23.656	1992.50	4.4898	28.146
	64QAM	1935.00 + 1947.50	23.716	1992.50	4.5170	28.233
	256QAM	1935.00 + 1947.50	23.633	1992.50	4.5181	28.151
	QPSK	1935.00 + 1947.50	23.691	1992.50	4.5093	28.200
	16QAM	1935.00 + 1947.50	23.648	1992.50	4.4991	28.147
	64QAM	1935.00 + 1947.50	23.669	1992.50	4.5112	28.180
	256QAM	1935.00 + 1947.50	23.652	1992.50	4.5155	28.167
Port 10	QPSK	1935.00 + 1947.50	23.665	1992.50	4.5156	28.180
	16QAM	1935.00 + 1947.50	23.675	1992.50	4.4924	28.167
	64QAM	1935.00 + 1947.50	23.683	1992.50	4.5124	28.196
	256QAM	1935.00 + 1947.50	23.684	1992.50	4.5208	28.205
	QPSK	1935.00 + 1947.50	23.644	1992.50	4.5180	28.162
	16QAM	1935.00 + 1947.50	23.656	1992.50	4.4898	28.146
	64QAM	1935.00 + 1947.50	23.716	1992.50	4.5170	28.233
	256QAM	1935.00 + 1947.50	23.633	1992.50	4.5181	28.151
	QPSK	1935.00 + 1947.50	23.691	1992.50	4.5093	28.200
	16QAM	1935.00 + 1947.50	23.648	1992.50	4.4991	28.147
	64QAM	1935.00 + 1947.50	23.669	1992.50	4.5112	28.180
	256QAM	1935.00 + 1947.50	23.652	1992.50	4.5155	28.167
Port 11	QPSK	1935.00 + 1947.50	23.665	1992.50	4.5156	28.180
	16QAM	1935.00 + 1947.50	23.675	1992.50	4.4924	28.167
	64QAM	1935.00 + 1947.50	23.683	1992.50	4.5124	28.196
	256QAM	1935.00 + 1947.50	23.684	1992.50	4.5208	28.205
	QPSK	1935.00 + 1947.50	23.644	1992.50	4.5180	28.162
	16QAM	1935.00 + 1947.50	23.656	1992.50	4.4898	28.146
	64QAM	1935.00 + 1947.50	23.716	1992.50	4.5170	28.233
	256QAM	1935.00 + 1947.50	23.633	1992.50	4.5181	28.151
	QPSK	1935.00 + 1947.50	23.691	1992.50	4.5093	28.200
	16QAM	1935.00 + 1947.50	23.648	1992.50	4.4991	28.147
	64QAM	1935.00 + 1947.50	23.669	1992.50	4.5112	28.180
	256QAM	1935.00 + 1947.50	23.652	1992.50	4.5155	28.167

Port 12	QPSK	1935.00 + 1947.50	23.696	1992.50	4.5206	28.217
	16QAM	1935.00 + 1947.50	23.699	1992.50	4.4945	28.193
	64QAM	1935.00 + 1947.50	23.644	1992.50	4.5170	28.161
	256QAM	1935.00 + 1947.50	23.677	1992.50	4.5142	28.191
	QPSK	1935.00 + 1947.50	23.632	1992.50	4.5178	28.149
	16QAM	1935.00 + 1947.50	23.632	1992.50	4.4876	28.120
	64QAM	1935.00 + 1947.50	23.655	1992.50	4.5132	28.168
	256QAM	1935.00 + 1947.50	23.623	1992.50	4.5152	28.138
	QPSK	1935.00 + 1947.50	23.734	1992.50	4.5131	28.247
	16QAM	1935.00 + 1947.50	23.640	1992.50	4.4968	28.137
	64QAM	1935.00 + 1947.50	23.678	1992.50	4.5143	28.193
	256QAM	1935.00 + 1947.50	23.659	1992.50	4.5061	28.165
Port 13	QPSK	1935.00 + 1947.50	23.696	1992.50	4.5206	28.217
	16QAM	1935.00 + 1947.50	23.699	1992.50	4.4945	28.193
	64QAM	1935.00 + 1947.50	23.644	1992.50	4.5170	28.161
	256QAM	1935.00 + 1947.50	23.677	1992.50	4.5142	28.191
	QPSK	1935.00 + 1947.50	23.632	1992.50	4.5178	28.149
	16QAM	1935.00 + 1947.50	23.632	1992.50	4.4876	28.120
	64QAM	1935.00 + 1947.50	23.655	1992.50	4.5132	28.168
	256QAM	1935.00 + 1947.50	23.623	1992.50	4.5152	28.138
	QPSK	1935.00 + 1947.50	23.734	1992.50	4.5131	28.247
	16QAM	1935.00 + 1947.50	23.640	1992.50	4.4968	28.137
	64QAM	1935.00 + 1947.50	23.678	1992.50	4.5143	28.193
	256QAM	1935.00 + 1947.50	23.659	1992.50	4.5061	28.165
Port 14	QPSK	1935.00 + 1947.50	23.696	1992.50	4.5206	28.217
	16QAM	1935.00 + 1947.50	23.699	1992.50	4.4945	28.193
	64QAM	1935.00 + 1947.50	23.644	1992.50	4.5170	28.161
	256QAM	1935.00 + 1947.50	23.677	1992.50	4.5142	28.191
	QPSK	1935.00 + 1947.50	23.632	1992.50	4.5178	28.149
	16QAM	1935.00 + 1947.50	23.632	1992.50	4.4876	28.120
	64QAM	1935.00 + 1947.50	23.655	1992.50	4.5132	28.168
	256QAM	1935.00 + 1947.50	23.623	1992.50	4.5152	28.138
	QPSK	1935.00 + 1947.50	23.734	1992.50	4.5131	28.247
	16QAM	1935.00 + 1947.50	23.640	1992.50	4.4968	28.137
	64QAM	1935.00 + 1947.50	23.678	1992.50	4.5143	28.193
	256QAM	1935.00 + 1947.50	23.659	1992.50	4.5061	28.165

Port 15	QPSK	1935.00 + 1947.50	23.663	1992.50	4.5133	28.177
	16QAM	1935.00 + 1947.50	23.695	1992.50	4.4897	28.185
	64QAM	1935.00 + 1947.50	23.628	1992.50	4.5131	28.141
	256QAM	1935.00 + 1947.50	23.698	1992.50	4.5150	28.213
	QPSK	1935.00 + 1947.50	23.658	1992.50	4.5212	28.180
	16QAM	1935.00 + 1947.50	23.643	1992.50	4.4931	28.136
	64QAM	1935.00 + 1947.50	23.660	1992.50	4.5105	28.170
	256QAM	1935.00 + 1947.50	23.602	1992.50	4.5131	28.115
	QPSK	1935.00 + 1947.50	23.663	1992.50	4.5133	28.177
	16QAM	1935.00 + 1947.50	23.695	1992.50	4.4897	28.185
	64QAM	1935.00 + 1947.50	23.628	1992.50	4.5131	28.141
	256QAM	1935.00 + 1947.50	23.698	1992.50	4.5150	28.213
Port 16	QPSK	1935.00 + 1947.50	23.658	1992.50	4.5212	28.180
	16QAM	1935.00 + 1947.50	23.643	1992.50	4.4931	28.136
	64QAM	1935.00 + 1947.50	23.660	1992.50	4.5105	28.170
	256QAM	1935.00 + 1947.50	23.602	1992.50	4.5131	28.115
	QPSK	1935.00 + 1947.50	23.663	1992.50	4.5133	28.177
	16QAM	1935.00 + 1947.50	23.695	1992.50	4.4897	28.185
	64QAM	1935.00 + 1947.50	23.628	1992.50	4.5131	28.141
	256QAM	1935.00 + 1947.50	23.698	1992.50	4.5150	28.213
	QPSK	1935.00 + 1947.50	23.658	1992.50	4.5212	28.180
	16QAM	1935.00 + 1947.50	23.643	1992.50	4.4931	28.136
	64QAM	1935.00 + 1947.50	23.660	1992.50	4.5105	28.170
	256QAM	1935.00 + 1947.50	23.602	1992.50	4.5131	28.115

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier [3 Carrier] (1C+2C)

Port	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)	Occupied Bandwidth (MHz)
Port 1	QPSK	2115.00	9.0275	2162.50 + 2175.00	23.664	32.692
	16QAM	2115.00	9.0052	2162.50 + 2175.00	23.702	32.707
	64QAM	2115.00	8.9708	2162.50 + 2175.00	23.728	32.699
	256QAM	2115.00	8.9954	2162.50 + 2175.00	23.654	32.649
	QPSK	2115.00	8.9920	2162.50 + 2175.00	23.639	32.631
	16QAM	2115.00	9.0168	2162.50 + 2175.00	23.743	32.760
	64QAM	2115.00	8.9704	2162.50 + 2175.00	23.620	32.590
	256QAM	2115.00	8.9978	2162.50 + 2175.00	23.644	32.642
	QPSK	2115.00	8.9908	2162.50 + 2175.00	23.703	32.694
	16QAM	2115.00	8.9953	2162.50 + 2175.00	23.707	32.702
	64QAM	2115.00	9.0136	2162.50 + 2175.00	23.602	32.616
	256QAM	2115.00	8.9882	2162.50 + 2175.00	23.678	32.666
Port 2	QPSK	2115.00	9.0086	2162.50 + 2175.00	23.652	32.661
	16QAM	2115.00	8.9895	2162.50 + 2175.00	23.665	32.654
	64QAM	2115.00	9.0196	2162.50 + 2175.00	23.639	32.658
	256QAM	2115.00	8.9929	2162.50 + 2175.00	23.680	32.673
	QPSK	2115.00	9.0046	2162.50 + 2175.00	23.630	32.634
	16QAM	2115.00	8.9900	2162.50 + 2175.00	23.627	32.617
	64QAM	2115.00	8.9789	2162.50 + 2175.00	23.634	32.613
	256QAM	2115.00	8.9880	2162.50 + 2175.00	23.627	32.615
	QPSK	2115.00	8.9795	2162.50 + 2175.00	23.660	32.639
	16QAM	2115.00	9.0044	2162.50 + 2175.00	23.713	32.718
	64QAM	2115.00	8.9974	2162.50 + 2175.00	23.603	32.600
	256QAM	2115.00	8.9656	2162.50 + 2175.00	23.617	32.583

Port 3	QPSK	2115.00	8.9809	2162.50 + 2175.00	23.630	32.611
	16QAM	2115.00	9.0167	2162.50 + 2175.00	23.746	32.762
	64QAM	2115.00	8.9822	2162.50 + 2175.00	23.655	32.637
	256QAM	2115.00	8.9743	2162.50 + 2175.00	23.639	32.613
	QPSK	2115.00	8.9824	2162.50 + 2175.00	23.652	32.634
	16QAM	2115.00	8.9693	2162.50 + 2175.00	23.737	32.707
	64QAM	2115.00	8.9830	2162.50 + 2175.00	23.639	32.622
	256QAM	2115.00	9.0416	2162.50 + 2175.00	23.627	32.669
	QPSK	2115.00	8.9804	2162.50 + 2175.00	23.669	32.649
	16QAM	2115.00	9.0008	2162.50 + 2175.00	23.695	32.695
	64QAM	2115.00	8.9827	2162.50 + 2175.00	23.715	32.698
	256QAM	2115.00	9.0059	2162.50 + 2175.00	23.660	32.666
Port 4	QPSK	2115.00	9.0081	2162.50 + 2175.00	23.671	32.679
	16QAM	2115.00	9.0057	2162.50 + 2175.00	23.739	32.745
	64QAM	2115.00	8.9796	2162.50 + 2175.00	23.666	32.645
	256QAM	2115.00	9.0056	2162.50 + 2175.00	23.631	32.637
	QPSK	2115.00	8.9987	2162.50 + 2175.00	23.611	32.609
	16QAM	2115.00	8.9608	2162.50 + 2175.00	23.760	32.721
	64QAM	2115.00	8.9937	2162.50 + 2175.00	23.676	32.670
	256QAM	2115.00	8.9920	2162.50 + 2175.00	23.640	32.632
	QPSK	2115.00	8.9975	2162.50 + 2175.00	23.668	32.665
	16QAM	2115.00	9.0212	2162.50 + 2175.00	23.689	32.710
	64QAM	2115.00	8.9774	2162.50 + 2175.00	23.683	32.661
	256QAM	2115.00	8.9877	2162.50 + 2175.00	23.634	32.621
Port 5	QPSK	2115.00	8.9845	2162.50 + 2175.00	23.638	32.623
	16QAM	2115.00	9.0261	2162.50 + 2175.00	23.680	32.706
	64QAM	2115.00	8.9915	2162.50 + 2175.00	23.645	32.637
	256QAM	2115.00	9.0194	2162.50 + 2175.00	23.682	32.701
	QPSK	2115.00	9.0117	2162.50 + 2175.00	23.625	32.637
	16QAM	2115.00	9.0035	2162.50 + 2175.00	23.702	32.706
	64QAM	2115.00	8.9661	2162.50 + 2175.00	23.689	32.655
	256QAM	2115.00	9.0047	2162.50 + 2175.00	23.629	32.634
	QPSK	2115.00	8.9882	2162.50 + 2175.00	23.612	32.600
	16QAM	2115.00	8.9981	2162.50 + 2175.00	23.682	32.680
	64QAM	2115.00	8.9852	2162.50 + 2175.00	23.670	32.655
	256QAM	2115.00	9.0052	2162.50 + 2175.00	23.685	32.690

Port 6	QPSK	2115.00	8.9810	2162.50 + 2175.00	23.699	32.680
	16QAM	2115.00	9.0043	2162.50 + 2175.00	23.675	32.680
	64QAM	2115.00	9.0115	2162.50 + 2175.00	23.711	32.723
	256QAM	2115.00	8.9967	2162.50 + 2175.00	23.628	32.625
	QPSK	2115.00	9.0275	2162.50 + 2175.00	23.664	32.692
	16QAM	2115.00	9.0052	2162.50 + 2175.00	23.702	32.707
	64QAM	2115.00	8.9708	2162.50 + 2175.00	23.728	32.699
	256QAM	2115.00	8.9954	2162.50 + 2175.00	23.654	32.649
	QPSK	2115.00	8.9920	2162.50 + 2175.00	23.639	32.631
	16QAM	2115.00	9.0168	2162.50 + 2175.00	23.743	32.760
	64QAM	2115.00	8.9704	2162.50 + 2175.00	23.620	32.590
	256QAM	2115.00	8.9978	2162.50 + 2175.00	23.644	32.642
Port 7	QPSK	2115.00	8.9908	2162.50 + 2175.00	23.703	32.694
	16QAM	2115.00	8.9953	2162.50 + 2175.00	23.707	32.702
	64QAM	2115.00	9.0136	2162.50 + 2175.00	23.602	32.616
	256QAM	2115.00	8.9882	2162.50 + 2175.00	23.678	32.666
	QPSK	2115.00	9.0086	2162.50 + 2175.00	23.652	32.661
	16QAM	2115.00	8.9895	2162.50 + 2175.00	23.665	32.654
	64QAM	2115.00	9.0196	2162.50 + 2175.00	23.639	32.658
	256QAM	2115.00	8.9929	2162.50 + 2175.00	23.680	32.673
	QPSK	2115.00	9.0046	2162.50 + 2175.00	23.630	32.634
	16QAM	2115.00	8.9900	2162.50 + 2175.00	23.627	32.617
	64QAM	2115.00	8.9789	2162.50 + 2175.00	23.634	32.613
	256QAM	2115.00	8.9880	2162.50 + 2175.00	23.627	32.615
Port 8	QPSK	2115.00	8.9795	2162.50 + 2175.00	23.660	32.639
	16QAM	2115.00	9.0044	2162.50 + 2175.00	23.713	32.718
	64QAM	2115.00	8.9974	2162.50 + 2175.00	23.603	32.600
	256QAM	2115.00	8.9656	2162.50 + 2175.00	23.617	32.583
	QPSK	2115.00	8.9809	2162.50 + 2175.00	23.630	32.611
	16QAM	2115.00	9.0167	2162.50 + 2175.00	23.746	32.762
	64QAM	2115.00	8.9822	2162.50 + 2175.00	23.655	32.637
	256QAM	2115.00	8.9743	2162.50 + 2175.00	23.639	32.613
	QPSK	2115.00	8.9824	2162.50 + 2175.00	23.652	32.634
	16QAM	2115.00	8.9693	2162.50 + 2175.00	23.737	32.707
	64QAM	2115.00	8.9830	2162.50 + 2175.00	23.639	32.622
	256QAM	2115.00	9.0416	2162.50 + 2175.00	23.627	32.669

Port 9	QPSK	2115.00	8.9804	2162.50 + 2175.00	23.669	32.649
	16QAM	2115.00	9.0008	2162.50 + 2175.00	23.695	32.695
	64QAM	2115.00	8.9827	2162.50 + 2175.00	23.715	32.698
	256QAM	2115.00	9.0059	2162.50 + 2175.00	23.660	32.666
	QPSK	2115.00	9.0081	2162.50 + 2175.00	23.671	32.679
	16QAM	2115.00	9.0057	2162.50 + 2175.00	23.739	32.745
	64QAM	2115.00	8.9796	2162.50 + 2175.00	23.666	32.645
	256QAM	2115.00	9.0056	2162.50 + 2175.00	23.631	32.637
	QPSK	2115.00	8.9987	2162.50 + 2175.00	23.611	32.609
	16QAM	2115.00	8.9608	2162.50 + 2175.00	23.760	32.721
	64QAM	2115.00	8.9937	2162.50 + 2175.00	23.676	32.670
	256QAM	2115.00	8.9920	2162.50 + 2175.00	23.640	32.632
Port 10	QPSK	2115.00	8.9975	2162.50 + 2175.00	23.668	32.665
	16QAM	2115.00	9.0212	2162.50 + 2175.00	23.689	32.710
	64QAM	2115.00	8.9774	2162.50 + 2175.00	23.683	32.661
	256QAM	2115.00	8.9877	2162.50 + 2175.00	23.634	32.621
	QPSK	2115.00	8.9845	2162.50 + 2175.00	23.638	32.623
	16QAM	2115.00	9.0261	2162.50 + 2175.00	23.680	32.706
	64QAM	2115.00	8.9915	2162.50 + 2175.00	23.645	32.637
	256QAM	2115.00	9.0194	2162.50 + 2175.00	23.682	32.701
	QPSK	2115.00	9.0117	2162.50 + 2175.00	23.625	32.637
	16QAM	2115.00	9.0035	2162.50 + 2175.00	23.702	32.706
	64QAM	2115.00	8.9661	2162.50 + 2175.00	23.689	32.655
	256QAM	2115.00	9.0047	2162.50 + 2175.00	23.629	32.634
Port 11	QPSK	2115.00	8.9882	2162.50 + 2175.00	23.612	32.600
	16QAM	2115.00	8.9981	2162.50 + 2175.00	23.682	32.680
	64QAM	2115.00	8.9852	2162.50 + 2175.00	23.670	32.655
	256QAM	2115.00	9.0052	2162.50 + 2175.00	23.685	32.690
	QPSK	2115.00	8.9810	2162.50 + 2175.00	23.699	32.680
	16QAM	2115.00	9.0043	2162.50 + 2175.00	23.675	32.680
	64QAM	2115.00	9.0115	2162.50 + 2175.00	23.711	32.723
	256QAM	2115.00	8.9967	2162.50 + 2175.00	23.628	32.625
	QPSK	2115.00	9.0275	2162.50 + 2175.00	23.664	32.692
	16QAM	2115.00	9.0052	2162.50 + 2175.00	23.702	32.707
	64QAM	2115.00	8.9708	2162.50 + 2175.00	23.728	32.699
	256QAM	2115.00	8.9954	2162.50 + 2175.00	23.654	32.649

Port 12	QPSK	2115.00	8.9920	2162.50 + 2175.00	23.639	32.631
	16QAM	2115.00	9.0168	2162.50 + 2175.00	23.743	32.760
	64QAM	2115.00	8.9704	2162.50 + 2175.00	23.620	32.590
	256QAM	2115.00	8.9978	2162.50 + 2175.00	23.644	32.642
	QPSK	2115.00	8.9908	2162.50 + 2175.00	23.703	32.694
	16QAM	2115.00	8.9953	2162.50 + 2175.00	23.707	32.702
	64QAM	2115.00	9.0136	2162.50 + 2175.00	23.602	32.616
	256QAM	2115.00	8.9882	2162.50 + 2175.00	23.678	32.666
	QPSK	2115.00	9.0086	2162.50 + 2175.00	23.652	32.661
	16QAM	2115.00	8.9895	2162.50 + 2175.00	23.665	32.654
	64QAM	2115.00	9.0196	2162.50 + 2175.00	23.639	32.658
	256QAM	2115.00	8.9929	2162.50 + 2175.00	23.680	32.673
Port 13	QPSK	2115.00	9.0046	2162.50 + 2175.00	23.630	32.634
	16QAM	2115.00	8.9900	2162.50 + 2175.00	23.627	32.617
	64QAM	2115.00	8.9789	2162.50 + 2175.00	23.634	32.613
	256QAM	2115.00	8.9880	2162.50 + 2175.00	23.627	32.615
	QPSK	2115.00	8.9795	2162.50 + 2175.00	23.660	32.639
	16QAM	2115.00	9.0044	2162.50 + 2175.00	23.713	32.718
	64QAM	2115.00	8.9974	2162.50 + 2175.00	23.603	32.600
	256QAM	2115.00	8.9656	2162.50 + 2175.00	23.617	32.583
	QPSK	2115.00	8.9809	2162.50 + 2175.00	23.630	32.611
	16QAM	2115.00	9.0167	2162.50 + 2175.00	23.746	32.762
	64QAM	2115.00	8.9822	2162.50 + 2175.00	23.655	32.637
	256QAM	2115.00	8.9743	2162.50 + 2175.00	23.639	32.613
Port 14	QPSK	2115.00	8.9824	2162.50 + 2175.00	23.652	32.634
	16QAM	2115.00	8.9693	2162.50 + 2175.00	23.737	32.707
	64QAM	2115.00	8.9830	2162.50 + 2175.00	23.639	32.622
	256QAM	2115.00	9.0416	2162.50 + 2175.00	23.627	32.669
	QPSK	2115.00	8.9804	2162.50 + 2175.00	23.669	32.649
	16QAM	2115.00	9.0008	2162.50 + 2175.00	23.695	32.695
	64QAM	2115.00	8.9827	2162.50 + 2175.00	23.715	32.698
	256QAM	2115.00	9.0059	2162.50 + 2175.00	23.660	32.666
	QPSK	2115.00	9.0081	2162.50 + 2175.00	23.671	32.679
	16QAM	2115.00	9.0057	2162.50 + 2175.00	23.739	32.745
	64QAM	2115.00	8.9796	2162.50 + 2175.00	23.666	32.645
	256QAM	2115.00	9.0056	2162.50 + 2175.00	23.631	32.637

Port 15	QPSK	2115.00	8.9987	2162.50 + 2175.00	23.611	32.609
	16QAM	2115.00	8.9608	2162.50 + 2175.00	23.760	32.721
	64QAM	2115.00	8.9937	2162.50 + 2175.00	23.676	32.670
	256QAM	2115.00	8.9920	2162.50 + 2175.00	23.640	32.632
	QPSK	2115.00	8.9975	2162.50 + 2175.00	23.668	32.665
	16QAM	2115.00	9.0212	2162.50 + 2175.00	23.689	32.710
	64QAM	2115.00	8.9774	2162.50 + 2175.00	23.683	32.661
	256QAM	2115.00	8.9877	2162.50 + 2175.00	23.634	32.621
	QPSK	2115.00	8.9845	2162.50 + 2175.00	23.638	32.623
	16QAM	2115.00	9.0261	2162.50 + 2175.00	23.680	32.706
	64QAM	2115.00	8.9915	2162.50 + 2175.00	23.645	32.637
	256QAM	2115.00	9.0194	2162.50 + 2175.00	23.682	32.701
Port 16	QPSK	2115.00	9.0117	2162.50 + 2175.00	23.625	32.637
	16QAM	2115.00	9.0035	2162.50 + 2175.00	23.702	32.706
	64QAM	2115.00	8.9661	2162.50 + 2175.00	23.689	32.655
	256QAM	2115.00	9.0047	2162.50 + 2175.00	23.629	32.634
	QPSK	2115.00	8.9882	2162.50 + 2175.00	23.612	32.600
	16QAM	2115.00	8.9981	2162.50 + 2175.00	23.682	32.680
	64QAM	2115.00	8.9852	2162.50 + 2175.00	23.670	32.655
	256QAM	2115.00	9.0052	2162.50 + 2175.00	23.685	32.690
	QPSK	2115.00	8.9810	2162.50 + 2175.00	23.699	32.680
	16QAM	2115.00	9.0043	2162.50 + 2175.00	23.675	32.680
	64QAM	2115.00	9.0115	2162.50 + 2175.00	23.711	32.723
	256QAM	2115.00	8.9967	2162.50 + 2175.00	23.628	32.625

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier [3 Carrier] (2C+1C)

Port	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)	Occupied Bandwidth (MHz)
Port 1	QPSK	2115.00 + 2127.50	23.679	2175.00	9.0034	32.683
	16QAM	2115.00 + 2127.50	23.678	2175.00	8.9947	32.673
	64QAM	2115.00 + 2127.50	23.646	2175.00	8.9995	32.645
	256QAM	2115.00 + 2127.50	23.667	2175.00	8.9805	32.648
	QPSK	2115.00 + 2127.50	23.655	2175.00	8.9780	32.633
	16QAM	2115.00 + 2127.50	23.694	2175.00	8.9969	32.691
	64QAM	2115.00 + 2127.50	23.703	2175.00	8.9852	32.688
	256QAM	2115.00 + 2127.50	23.691	2175.00	9.0055	32.696
	QPSK	2115.00 + 2127.50	23.655	2175.00	8.9906	32.645
	16QAM	2115.00 + 2127.50	23.691	2175.00	9.0004	32.692
	64QAM	2115.00 + 2127.50	23.696	2175.00	9.0106	32.706
	256QAM	2115.00 + 2127.50	23.648	2175.00	8.9867	32.635
Port 2	QPSK	2115.00 + 2127.50	23.623	2175.00	8.9997	32.623
	16QAM	2115.00 + 2127.50	23.654	2175.00	9.0277	32.682
	64QAM	2115.00 + 2127.50	23.648	2175.00	8.9839	32.632
	256QAM	2115.00 + 2127.50	23.696	2175.00	9.0024	32.699
	QPSK	2115.00 + 2127.50	23.666	2175.00	8.9675	32.633
	16QAM	2115.00 + 2127.50	23.681	2175.00	8.9740	32.655
	64QAM	2115.00 + 2127.50	23.678	2175.00	9.0011	32.679
	256QAM	2115.00 + 2127.50	23.680	2175.00	9.0055	32.685
	QPSK	2115.00 + 2127.50	23.624	2175.00	8.9953	32.619
	16QAM	2115.00 + 2127.50	23.670	2175.00	8.9923	32.663
	64QAM	2115.00 + 2127.50	23.641	2175.00	9.0277	32.668
	256QAM	2115.00 + 2127.50	23.653	2175.00	8.9815	32.634

Port 3	QPSK	2115.00 + 2127.50	23.640	2175.00	8.9948	32.635
	16QAM	2115.00 + 2127.50	23.699	2175.00	9.0004	32.700
	64QAM	2115.00 + 2127.50	23.640	2175.00	9.0137	32.654
	256QAM	2115.00 + 2127.50	23.619	2175.00	8.9837	32.603
	QPSK	2115.00 + 2127.50	23.635	2175.00	8.9947	32.630
	16QAM	2115.00 + 2127.50	23.718	2175.00	8.9936	32.711
	64QAM	2115.00 + 2127.50	23.637	2175.00	8.9938	32.630
	256QAM	2115.00 + 2127.50	23.685	2175.00	9.0227	32.707
	QPSK	2115.00 + 2127.50	23.678	2175.00	8.9987	32.676
	16QAM	2115.00 + 2127.50	23.697	2175.00	9.0143	32.711
	64QAM	2115.00 + 2127.50	23.648	2175.00	9.0100	32.658
	256QAM	2115.00 + 2127.50	23.652	2175.00	8.9848	32.636
Port 4	QPSK	2115.00 + 2127.50	23.645	2175.00	9.0121	32.657
	16QAM	2115.00 + 2127.50	23.727	2175.00	9.0056	32.733
	64QAM	2115.00 + 2127.50	23.661	2175.00	8.9792	32.640
	256QAM	2115.00 + 2127.50	23.658	2175.00	9.0064	32.664
	QPSK	2115.00 + 2127.50	23.672	2175.00	9.0084	32.680
	16QAM	2115.00 + 2127.50	23.646	2175.00	9.0146	32.660
	64QAM	2115.00 + 2127.50	23.677	2175.00	8.9928	32.670
	256QAM	2115.00 + 2127.50	23.692	2175.00	8.9965	32.689
	QPSK	2115.00 + 2127.50	23.673	2175.00	9.0058	32.679
	16QAM	2115.00 + 2127.50	23.748	2175.00	9.0329	32.781
	64QAM	2115.00 + 2127.50	23.628	2175.00	9.0146	32.643
	256QAM	2115.00 + 2127.50	23.663	2175.00	8.9876	32.650
Port 5	QPSK	2115.00 + 2127.50	23.665	2175.00	8.9994	32.664
	16QAM	2115.00 + 2127.50	23.750	2175.00	9.0163	32.767
	64QAM	2115.00 + 2127.50	23.684	2175.00	8.9980	32.682
	256QAM	2115.00 + 2127.50	23.708	2175.00	8.9936	32.702
	QPSK	2115.00 + 2127.50	23.655	2175.00	8.9970	32.652
	16QAM	2115.00 + 2127.50	23.675	2175.00	9.0214	32.697
	64QAM	2115.00 + 2127.50	23.656	2175.00	9.0147	32.671
	256QAM	2115.00 + 2127.50	23.682	2175.00	8.9996	32.682
	QPSK	2115.00 + 2127.50	23.680	2175.00	9.0016	32.681
	16QAM	2115.00 + 2127.50	23.737	2175.00	9.0332	32.770
	64QAM	2115.00 + 2127.50	23.683	2175.00	9.0065	32.689
	256QAM	2115.00 + 2127.50	23.663	2175.00	8.9709	32.634

Port 6	QPSK	2115.00 + 2127.50	23.643	2175.00	8.9673	32.611
	16QAM	2115.00 + 2127.50	23.658	2175.00	8.9904	32.648
	64QAM	2115.00 + 2127.50	23.661	2175.00	8.9862	32.647
	256QAM	2115.00 + 2127.50	23.629	2175.00	8.9957	32.625
	QPSK	2115.00 + 2127.50	23.679	2175.00	9.0034	32.683
	16QAM	2115.00 + 2127.50	23.678	2175.00	8.9947	32.673
	64QAM	2115.00 + 2127.50	23.646	2175.00	8.9995	32.645
	256QAM	2115.00 + 2127.50	23.667	2175.00	8.9805	32.648
	QPSK	2115.00 + 2127.50	23.655	2175.00	8.9780	32.633
	16QAM	2115.00 + 2127.50	23.694	2175.00	8.9969	32.691
	64QAM	2115.00 + 2127.50	23.703	2175.00	8.9852	32.688
	256QAM	2115.00 + 2127.50	23.691	2175.00	9.0055	32.696
Port 7	QPSK	2115.00 + 2127.50	23.655	2175.00	8.9906	32.645
	16QAM	2115.00 + 2127.50	23.691	2175.00	9.0004	32.692
	64QAM	2115.00 + 2127.50	23.696	2175.00	9.0106	32.706
	256QAM	2115.00 + 2127.50	23.648	2175.00	8.9867	32.635
	QPSK	2115.00 + 2127.50	23.623	2175.00	8.9997	32.623
	16QAM	2115.00 + 2127.50	23.654	2175.00	9.0277	32.682
	64QAM	2115.00 + 2127.50	23.648	2175.00	8.9839	32.632
	256QAM	2115.00 + 2127.50	23.696	2175.00	9.0024	32.699
	QPSK	2115.00 + 2127.50	23.666	2175.00	8.9675	32.633
	16QAM	2115.00 + 2127.50	23.681	2175.00	8.9740	32.655
	64QAM	2115.00 + 2127.50	23.678	2175.00	9.0011	32.679
	256QAM	2115.00 + 2127.50	23.680	2175.00	9.0055	32.685
Port 8	QPSK	2115.00 + 2127.50	23.624	2175.00	8.9953	32.619
	16QAM	2115.00 + 2127.50	23.670	2175.00	8.9923	32.663
	64QAM	2115.00 + 2127.50	23.641	2175.00	9.0277	32.668
	256QAM	2115.00 + 2127.50	23.653	2175.00	8.9815	32.634
	QPSK	2115.00 + 2127.50	23.640	2175.00	8.9948	32.635
	16QAM	2115.00 + 2127.50	23.699	2175.00	9.0004	32.700
	64QAM	2115.00 + 2127.50	23.640	2175.00	9.0137	32.654
	256QAM	2115.00 + 2127.50	23.619	2175.00	8.9837	32.603
	QPSK	2115.00 + 2127.50	23.635	2175.00	8.9947	32.630
	16QAM	2115.00 + 2127.50	23.718	2175.00	8.9936	32.711
	64QAM	2115.00 + 2127.50	23.637	2175.00	8.9938	32.630
	256QAM	2115.00 + 2127.50	23.685	2175.00	9.0227	32.707

Port 9	QPSK	2115.00 + 2127.50	23.678	2175.00	8.9987	32.676
	16QAM	2115.00 + 2127.50	23.697	2175.00	9.0143	32.711
	64QAM	2115.00 + 2127.50	23.648	2175.00	9.0100	32.658
	256QAM	2115.00 + 2127.50	23.652	2175.00	8.9848	32.636
	QPSK	2115.00 + 2127.50	23.645	2175.00	9.0121	32.657
	16QAM	2115.00 + 2127.50	23.727	2175.00	9.0056	32.733
	64QAM	2115.00 + 2127.50	23.661	2175.00	8.9792	32.640
	256QAM	2115.00 + 2127.50	23.658	2175.00	9.0064	32.664
	QPSK	2115.00 + 2127.50	23.672	2175.00	9.0084	32.680
	16QAM	2115.00 + 2127.50	23.646	2175.00	9.0146	32.660
	64QAM	2115.00 + 2127.50	23.677	2175.00	8.9928	32.670
	256QAM	2115.00 + 2127.50	23.692	2175.00	8.9965	32.689
Port 10	QPSK	2115.00 + 2127.50	23.673	2175.00	9.0058	32.679
	16QAM	2115.00 + 2127.50	23.748	2175.00	9.0329	32.781
	64QAM	2115.00 + 2127.50	23.628	2175.00	9.0146	32.643
	256QAM	2115.00 + 2127.50	23.663	2175.00	8.9876	32.650
	QPSK	2115.00 + 2127.50	23.665	2175.00	8.9994	32.664
	16QAM	2115.00 + 2127.50	23.750	2175.00	9.0163	32.767
	64QAM	2115.00 + 2127.50	23.684	2175.00	8.9980	32.682
	256QAM	2115.00 + 2127.50	23.708	2175.00	8.9936	32.702
	QPSK	2115.00 + 2127.50	23.655	2175.00	8.9970	32.652
	16QAM	2115.00 + 2127.50	23.675	2175.00	9.0214	32.697
	64QAM	2115.00 + 2127.50	23.656	2175.00	9.0147	32.671
	256QAM	2115.00 + 2127.50	23.682	2175.00	8.9996	32.682
Port 11	QPSK	2115.00 + 2127.50	23.680	2175.00	9.0016	32.681
	16QAM	2115.00 + 2127.50	23.737	2175.00	9.0332	32.770
	64QAM	2115.00 + 2127.50	23.683	2175.00	9.0065	32.689
	256QAM	2115.00 + 2127.50	23.663	2175.00	8.9709	32.634
	QPSK	2115.00 + 2127.50	23.643	2175.00	8.9673	32.611
	16QAM	2115.00 + 2127.50	23.658	2175.00	8.9904	32.648
	64QAM	2115.00 + 2127.50	23.661	2175.00	8.9862	32.647
	256QAM	2115.00 + 2127.50	23.629	2175.00	8.9957	32.625
	QPSK	2115.00 + 2127.50	23.679	2175.00	9.0034	32.683
	16QAM	2115.00 + 2127.50	23.678	2175.00	8.9947	32.673
	64QAM	2115.00 + 2127.50	23.646	2175.00	8.9995	32.645
	256QAM	2115.00 + 2127.50	23.667	2175.00	8.9805	32.648

Port 12	QPSK	2115.00 + 2127.50	23.655	2175.00	8.9780	32.633
	16QAM	2115.00 + 2127.50	23.694	2175.00	8.9969	32.691
	64QAM	2115.00 + 2127.50	23.703	2175.00	8.9852	32.688
	256QAM	2115.00 + 2127.50	23.691	2175.00	9.0055	32.696
	QPSK	2115.00 + 2127.50	23.655	2175.00	8.9906	32.645
	16QAM	2115.00 + 2127.50	23.691	2175.00	9.0004	32.692
	64QAM	2115.00 + 2127.50	23.696	2175.00	9.0106	32.706
	256QAM	2115.00 + 2127.50	23.648	2175.00	8.9867	32.635
	QPSK	2115.00 + 2127.50	23.623	2175.00	8.9997	32.623
	16QAM	2115.00 + 2127.50	23.654	2175.00	9.0277	32.682
	64QAM	2115.00 + 2127.50	23.648	2175.00	8.9839	32.632
	256QAM	2115.00 + 2127.50	23.696	2175.00	9.0024	32.699
Port 13	QPSK	2115.00 + 2127.50	23.666	2175.00	8.9675	32.633
	16QAM	2115.00 + 2127.50	23.681	2175.00	8.9740	32.655
	64QAM	2115.00 + 2127.50	23.678	2175.00	9.0011	32.679
	256QAM	2115.00 + 2127.50	23.680	2175.00	9.0055	32.685
	QPSK	2115.00 + 2127.50	23.624	2175.00	8.9953	32.619
	16QAM	2115.00 + 2127.50	23.670	2175.00	8.9923	32.663
	64QAM	2115.00 + 2127.50	23.641	2175.00	9.0277	32.668
	256QAM	2115.00 + 2127.50	23.653	2175.00	8.9815	32.634
	QPSK	2115.00 + 2127.50	23.640	2175.00	8.9948	32.635
	16QAM	2115.00 + 2127.50	23.699	2175.00	9.0004	32.700
	64QAM	2115.00 + 2127.50	23.640	2175.00	9.0137	32.654
	256QAM	2115.00 + 2127.50	23.619	2175.00	8.9837	32.603
Port 14	QPSK	2115.00 + 2127.50	23.635	2175.00	8.9947	32.630
	16QAM	2115.00 + 2127.50	23.718	2175.00	8.9936	32.711
	64QAM	2115.00 + 2127.50	23.637	2175.00	8.9938	32.630
	256QAM	2115.00 + 2127.50	23.685	2175.00	9.0227	32.707
	QPSK	2115.00 + 2127.50	23.678	2175.00	8.9987	32.676
	16QAM	2115.00 + 2127.50	23.697	2175.00	9.0143	32.711
	64QAM	2115.00 + 2127.50	23.648	2175.00	9.0100	32.658
	256QAM	2115.00 + 2127.50	23.652	2175.00	8.9848	32.636
	QPSK	2115.00 + 2127.50	23.645	2175.00	9.0121	32.657
	16QAM	2115.00 + 2127.50	23.727	2175.00	9.0056	32.733
	64QAM	2115.00 + 2127.50	23.661	2175.00	8.9792	32.640
	256QAM	2115.00 + 2127.50	23.658	2175.00	9.0064	32.664

Port 15	QPSK	2115.00 + 2127.50	23.672	2175.00	9.0084	32.680
	16QAM	2115.00 + 2127.50	23.646	2175.00	9.0146	32.660
	64QAM	2115.00 + 2127.50	23.677	2175.00	8.9928	32.670
	256QAM	2115.00 + 2127.50	23.692	2175.00	8.9965	32.689
	QPSK	2115.00 + 2127.50	23.673	2175.00	9.0058	32.679
	16QAM	2115.00 + 2127.50	23.748	2175.00	9.0329	32.781
	64QAM	2115.00 + 2127.50	23.628	2175.00	9.0146	32.643
	256QAM	2115.00 + 2127.50	23.663	2175.00	8.9876	32.650
	QPSK	2115.00 + 2127.50	23.665	2175.00	8.9994	32.664
	16QAM	2115.00 + 2127.50	23.750	2175.00	9.0163	32.767
	64QAM	2115.00 + 2127.50	23.684	2175.00	8.9980	32.682
	256QAM	2115.00 + 2127.50	23.708	2175.00	8.9936	32.702
Port 16	QPSK	2115.00 + 2127.50	23.655	2175.00	8.9970	32.652
	16QAM	2115.00 + 2127.50	23.675	2175.00	9.0214	32.697
	64QAM	2115.00 + 2127.50	23.656	2175.00	9.0147	32.671
	256QAM	2115.00 + 2127.50	23.682	2175.00	8.9996	32.682
	QPSK	2115.00 + 2127.50	23.680	2175.00	9.0016	32.681
	16QAM	2115.00 + 2127.50	23.737	2175.00	9.0332	32.770
	64QAM	2115.00 + 2127.50	23.683	2175.00	9.0065	32.689
	256QAM	2115.00 + 2127.50	23.663	2175.00	8.9709	32.634
	QPSK	2115.00 + 2127.50	23.643	2175.00	8.9673	32.611
	16QAM	2115.00 + 2127.50	23.658	2175.00	8.9904	32.648
	64QAM	2115.00 + 2127.50	23.661	2175.00	8.9862	32.647
	256QAM	2115.00 + 2127.50	23.629	2175.00	8.9957	32.625

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier [3 Carrier] (1C+2C)

Port	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)	Occupied Bandwidth (MHz)
Port 1	QPSK	2115.00	8.9971	2155.00 + 2172.50	33.085	42.082
	16QAM	2115.00	9.0094	2155.00 + 2172.50	33.101	42.111
	64QAM	2115.00	8.9795	2155.00 + 2172.50	33.027	42.006
	256QAM	2115.00	8.9840	2155.00 + 2172.50	33.180	42.164
	QPSK	2115.00	8.9812	2155.00 + 2172.50	33.068	42.049
	16QAM	2115.00	8.9893	2155.00 + 2172.50	33.157	42.146
	64QAM	2115.00	8.9882	2155.00 + 2172.50	33.137	42.126
	256QAM	2115.00	8.9647	2155.00 + 2172.50	33.063	42.028
	QPSK	2115.00	9.0170	2155.00 + 2172.50	33.072	42.089
	16QAM	2115.00	9.0184	2155.00 + 2172.50	33.196	42.215
	64QAM	2115.00	8.9814	2155.00 + 2172.50	33.053	42.034
	256QAM	2115.00	8.9859	2155.00 + 2172.50	33.053	42.039
Port 2	QPSK	2115.00	8.9805	2155.00 + 2172.50	33.116	42.096
	16QAM	2115.00	9.0070	2155.00 + 2172.50	33.160	42.167
	64QAM	2115.00	9.0088	2155.00 + 2172.50	33.083	42.092
	256QAM	2115.00	8.9973	2155.00 + 2172.50	33.082	42.080
	QPSK	2115.00	9.0202	2155.00 + 2172.50	33.177	42.197
	16QAM	2115.00	9.0012	2155.00 + 2172.50	33.168	42.169
	64QAM	2115.00	8.9808	2155.00 + 2172.50	33.092	42.073
	256QAM	2115.00	9.0141	2155.00 + 2172.50	33.109	42.124
	QPSK	2115.00	8.9703	2155.00 + 2172.50	33.080	42.050
	16QAM	2115.00	9.0060	2155.00 + 2172.50	33.193	42.199
	64QAM	2115.00	8.9905	2155.00 + 2172.50	33.073	42.064
	256QAM	2115.00	8.9965	2155.00 + 2172.50	33.093	42.090

Port 3	QPSK	2115.00	8.9969	2155.00 + 2172.50	33.079	42.076
	16QAM	2115.00	8.9960	2155.00 + 2172.50	33.137	42.133
	64QAM	2115.00	8.9836	2155.00 + 2172.50	33.065	42.048
	256QAM	2115.00	8.9799	2155.00 + 2172.50	33.057	42.037
	QPSK	2115.00	9.0153	2155.00 + 2172.50	33.064	42.080
	16QAM	2115.00	9.0131	2155.00 + 2172.50	33.165	42.179
	64QAM	2115.00	9.0051	2155.00 + 2172.50	33.084	42.089
	256QAM	2115.00	8.9877	2155.00 + 2172.50	33.166	42.154
	QPSK	2115.00	9.0089	2155.00 + 2172.50	33.089	42.098
	16QAM	2115.00	8.9637	2155.00 + 2172.50	33.152	42.115
	64QAM	2115.00	8.9892	2155.00 + 2172.50	33.118	42.107
	256QAM	2115.00	8.9628	2155.00 + 2172.50	33.056	42.019
Port 4	QPSK	2115.00	8.9849	2155.00 + 2172.50	33.109	42.093
	16QAM	2115.00	9.0132	2155.00 + 2172.50	33.205	42.218
	64QAM	2115.00	8.9854	2155.00 + 2172.50	33.075	42.060
	256QAM	2115.00	9.0076	2155.00 + 2172.50	33.069	42.076
	QPSK	2115.00	8.9963	2155.00 + 2172.50	33.096	42.092
	16QAM	2115.00	8.9997	2155.00 + 2172.50	33.159	42.159
	64QAM	2115.00	9.0096	2155.00 + 2172.50	33.159	42.168
	256QAM	2115.00	8.9998	2155.00 + 2172.50	33.097	42.097
	QPSK	2115.00	9.0324	2155.00 + 2172.50	33.083	42.115
	16QAM	2115.00	8.9976	2155.00 + 2172.50	33.138	42.136
	64QAM	2115.00	9.0243	2155.00 + 2172.50	33.136	42.160
	256QAM	2115.00	9.0034	2155.00 + 2172.50	33.145	42.149
Port 5	QPSK	2115.00	9.0065	2155.00 + 2172.50	33.101	42.107
	16QAM	2115.00	9.0003	2155.00 + 2172.50	33.129	42.129
	64QAM	2115.00	9.0009	2155.00 + 2172.50	33.099	42.100
	256QAM	2115.00	9.0237	2155.00 + 2172.50	33.153	42.177
	QPSK	2115.00	8.9766	2155.00 + 2172.50	33.095	42.071
	16QAM	2115.00	8.9738	2155.00 + 2172.50	33.186	42.159
	64QAM	2115.00	9.0079	2155.00 + 2172.50	33.020	42.028
	256QAM	2115.00	9.0026	2155.00 + 2172.50	33.019	42.021
	QPSK	2115.00	8.9976	2155.00 + 2172.50	33.088	42.086
	16QAM	2115.00	9.0210	2155.00 + 2172.50	33.132	42.153
	64QAM	2115.00	9.0042	2155.00 + 2172.50	33.074	42.078
	256QAM	2115.00	9.0146	2155.00 + 2172.50	33.135	42.149

Port 6	QPSK	2115.00	8.9885	2155.00 + 2172.50	33.061	42.050
	16QAM	2115.00	9.0113	2155.00 + 2172.50	33.178	42.189
	64QAM	2115.00	9.0123	2155.00 + 2172.50	33.029	42.041
	256QAM	2115.00	9.0083	2155.00 + 2172.50	33.094	42.102
	QPSK	2115.00	8.9971	2155.00 + 2172.50	33.085	42.082
	16QAM	2115.00	9.0094	2155.00 + 2172.50	33.101	42.111
	64QAM	2115.00	8.9795	2155.00 + 2172.50	33.027	42.006
	256QAM	2115.00	8.9840	2155.00 + 2172.50	33.180	42.164
	QPSK	2115.00	8.9812	2155.00 + 2172.50	33.068	42.049
	16QAM	2115.00	8.9893	2155.00 + 2172.50	33.157	42.146
	64QAM	2115.00	8.9882	2155.00 + 2172.50	33.137	42.126
	256QAM	2115.00	8.9647	2155.00 + 2172.50	33.063	42.028
Port 7	QPSK	2115.00	9.0170	2155.00 + 2172.50	33.072	42.089
	16QAM	2115.00	9.0184	2155.00 + 2172.50	33.196	42.215
	64QAM	2115.00	8.9814	2155.00 + 2172.50	33.053	42.034
	256QAM	2115.00	8.9859	2155.00 + 2172.50	33.053	42.039
	QPSK	2115.00	8.9805	2155.00 + 2172.50	33.116	42.096
	16QAM	2115.00	9.0070	2155.00 + 2172.50	33.160	42.167
	64QAM	2115.00	9.0088	2155.00 + 2172.50	33.083	42.092
	256QAM	2115.00	8.9973	2155.00 + 2172.50	33.082	42.080
	QPSK	2115.00	9.0202	2155.00 + 2172.50	33.177	42.197
	16QAM	2115.00	9.0012	2155.00 + 2172.50	33.168	42.169
	64QAM	2115.00	8.9808	2155.00 + 2172.50	33.092	42.073
	256QAM	2115.00	9.0141	2155.00 + 2172.50	33.109	42.124
Port 8	QPSK	2115.00	8.9703	2155.00 + 2172.50	33.080	42.050
	16QAM	2115.00	9.0060	2155.00 + 2172.50	33.193	42.199
	64QAM	2115.00	8.9905	2155.00 + 2172.50	33.073	42.064
	256QAM	2115.00	8.9965	2155.00 + 2172.50	33.093	42.090
	QPSK	2115.00	8.9969	2155.00 + 2172.50	33.079	42.076
	16QAM	2115.00	8.9960	2155.00 + 2172.50	33.137	42.133
	64QAM	2115.00	8.9836	2155.00 + 2172.50	33.065	42.048
	256QAM	2115.00	8.9799	2155.00 + 2172.50	33.057	42.037
	QPSK	2115.00	9.0153	2155.00 + 2172.50	33.064	42.080
	16QAM	2115.00	9.0131	2155.00 + 2172.50	33.165	42.179
	64QAM	2115.00	9.0051	2155.00 + 2172.50	33.084	42.089
	256QAM	2115.00	8.9877	2155.00 + 2172.50	33.166	42.154

Port 9	QPSK	2115.00	9.0089	2155.00 + 2172.50	33.089	42.098
	16QAM	2115.00	8.9637	2155.00 + 2172.50	33.152	42.115
	64QAM	2115.00	8.9892	2155.00 + 2172.50	33.118	42.107
	256QAM	2115.00	8.9628	2155.00 + 2172.50	33.056	42.019
	QPSK	2115.00	8.9849	2155.00 + 2172.50	33.109	42.093
	16QAM	2115.00	9.0132	2155.00 + 2172.50	33.205	42.218
	64QAM	2115.00	8.9854	2155.00 + 2172.50	33.075	42.060
	256QAM	2115.00	9.0076	2155.00 + 2172.50	33.069	42.076
	QPSK	2115.00	8.9963	2155.00 + 2172.50	33.096	42.092
	16QAM	2115.00	8.9997	2155.00 + 2172.50	33.159	42.159
	64QAM	2115.00	9.0096	2155.00 + 2172.50	33.159	42.168
	256QAM	2115.00	8.9998	2155.00 + 2172.50	33.097	42.097
Port 10	QPSK	2115.00	9.0324	2155.00 + 2172.50	33.083	42.115
	16QAM	2115.00	8.9976	2155.00 + 2172.50	33.138	42.136
	64QAM	2115.00	9.0243	2155.00 + 2172.50	33.136	42.160
	256QAM	2115.00	9.0034	2155.00 + 2172.50	33.145	42.149
	QPSK	2115.00	9.0065	2155.00 + 2172.50	33.101	42.107
	16QAM	2115.00	9.0003	2155.00 + 2172.50	33.129	42.129
	64QAM	2115.00	9.0009	2155.00 + 2172.50	33.099	42.100
	256QAM	2115.00	9.0237	2155.00 + 2172.50	33.153	42.177
	QPSK	2115.00	8.9766	2155.00 + 2172.50	33.095	42.071
	16QAM	2115.00	8.9738	2155.00 + 2172.50	33.186	42.159
	64QAM	2115.00	9.0079	2155.00 + 2172.50	33.020	42.028
	256QAM	2115.00	9.0026	2155.00 + 2172.50	33.019	42.021
Port 11	QPSK	2115.00	8.9976	2155.00 + 2172.50	33.088	42.086
	16QAM	2115.00	9.0210	2155.00 + 2172.50	33.132	42.153
	64QAM	2115.00	9.0042	2155.00 + 2172.50	33.074	42.078
	256QAM	2115.00	9.0146	2155.00 + 2172.50	33.135	42.149
	QPSK	2115.00	8.9885	2155.00 + 2172.50	33.061	42.050
	16QAM	2115.00	9.0113	2155.00 + 2172.50	33.178	42.189
	64QAM	2115.00	9.0123	2155.00 + 2172.50	33.029	42.041
	256QAM	2115.00	9.0083	2155.00 + 2172.50	33.094	42.102
	QPSK	2115.00	8.9971	2155.00 + 2172.50	33.085	42.082
	16QAM	2115.00	9.0094	2155.00 + 2172.50	33.101	42.111
	64QAM	2115.00	8.9795	2155.00 + 2172.50	33.027	42.006
	256QAM	2115.00	8.9840	2155.00 + 2172.50	33.180	42.164

Port 12	QPSK	2115.00	8.9812	2155.00 + 2172.50	33.068	42.049
	16QAM	2115.00	8.9893	2155.00 + 2172.50	33.157	42.146
	64QAM	2115.00	8.9882	2155.00 + 2172.50	33.137	42.126
	256QAM	2115.00	8.9647	2155.00 + 2172.50	33.063	42.028
	QPSK	2115.00	9.0170	2155.00 + 2172.50	33.072	42.089
	16QAM	2115.00	9.0184	2155.00 + 2172.50	33.196	42.215
	64QAM	2115.00	8.9814	2155.00 + 2172.50	33.053	42.034
	256QAM	2115.00	8.9859	2155.00 + 2172.50	33.053	42.039
	QPSK	2115.00	8.9805	2155.00 + 2172.50	33.116	42.096
	16QAM	2115.00	9.0070	2155.00 + 2172.50	33.160	42.167
	64QAM	2115.00	9.0088	2155.00 + 2172.50	33.083	42.092
	256QAM	2115.00	8.9973	2155.00 + 2172.50	33.082	42.080
Port 13	QPSK	2115.00	9.0202	2155.00 + 2172.50	33.177	42.197
	16QAM	2115.00	9.0012	2155.00 + 2172.50	33.168	42.169
	64QAM	2115.00	8.9808	2155.00 + 2172.50	33.092	42.073
	256QAM	2115.00	9.0141	2155.00 + 2172.50	33.109	42.124
	QPSK	2115.00	8.9703	2155.00 + 2172.50	33.080	42.050
	16QAM	2115.00	9.0060	2155.00 + 2172.50	33.193	42.199
	64QAM	2115.00	8.9905	2155.00 + 2172.50	33.073	42.064
	256QAM	2115.00	8.9965	2155.00 + 2172.50	33.093	42.090
	QPSK	2115.00	8.9969	2155.00 + 2172.50	33.079	42.076
	16QAM	2115.00	8.9960	2155.00 + 2172.50	33.137	42.133
	64QAM	2115.00	8.9836	2155.00 + 2172.50	33.065	42.048
	256QAM	2115.00	8.9799	2155.00 + 2172.50	33.057	42.037
Port 14	QPSK	2115.00	9.0153	2155.00 + 2172.50	33.064	42.080
	16QAM	2115.00	9.0131	2155.00 + 2172.50	33.165	42.179
	64QAM	2115.00	9.0051	2155.00 + 2172.50	33.084	42.089
	256QAM	2115.00	8.9877	2155.00 + 2172.50	33.166	42.154
	QPSK	2115.00	9.0089	2155.00 + 2172.50	33.089	42.098
	16QAM	2115.00	8.9637	2155.00 + 2172.50	33.152	42.115
	64QAM	2115.00	8.9892	2155.00 + 2172.50	33.118	42.107
	256QAM	2115.00	8.9628	2155.00 + 2172.50	33.056	42.019
	QPSK	2115.00	8.9849	2155.00 + 2172.50	33.109	42.093
	16QAM	2115.00	9.0132	2155.00 + 2172.50	33.205	42.218
	64QAM	2115.00	8.9854	2155.00 + 2172.50	33.075	42.060
	256QAM	2115.00	9.0076	2155.00 + 2172.50	33.069	42.076

Port 15	QPSK	2115.00	8.9963	2155.00 + 2172.50	33.096	42.092
	16QAM	2115.00	8.9997	2155.00 + 2172.50	33.159	42.159
	64QAM	2115.00	9.0096	2155.00 + 2172.50	33.159	42.168
	256QAM	2115.00	8.9998	2155.00 + 2172.50	33.097	42.097
	QPSK	2115.00	9.0324	2155.00 + 2172.50	33.083	42.115
	16QAM	2115.00	8.9976	2155.00 + 2172.50	33.138	42.136
	64QAM	2115.00	9.0243	2155.00 + 2172.50	33.136	42.160
	256QAM	2115.00	9.0034	2155.00 + 2172.50	33.145	42.149
	QPSK	2115.00	9.0065	2155.00 + 2172.50	33.101	42.107
	16QAM	2115.00	9.0003	2155.00 + 2172.50	33.129	42.129
	64QAM	2115.00	9.0009	2155.00 + 2172.50	33.099	42.100
	256QAM	2115.00	9.0237	2155.00 + 2172.50	33.153	42.177
Port 16	QPSK	2115.00	8.9766	2155.00 + 2172.50	33.095	42.071
	16QAM	2115.00	8.9738	2155.00 + 2172.50	33.186	42.159
	64QAM	2115.00	9.0079	2155.00 + 2172.50	33.020	42.028
	256QAM	2115.00	9.0026	2155.00 + 2172.50	33.019	42.021
	QPSK	2115.00	8.9976	2155.00 + 2172.50	33.088	42.086
	16QAM	2115.00	9.0210	2155.00 + 2172.50	33.132	42.153
	64QAM	2115.00	9.0042	2155.00 + 2172.50	33.074	42.078
	256QAM	2115.00	9.0146	2155.00 + 2172.50	33.135	42.149
	QPSK	2115.00	8.9885	2155.00 + 2172.50	33.061	42.050
	16QAM	2115.00	9.0113	2155.00 + 2172.50	33.178	42.189
	64QAM	2115.00	9.0123	2155.00 + 2172.50	33.029	42.041
	256QAM	2115.00	9.0083	2155.00 + 2172.50	33.094	42.102

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier [3 Carrier] (2C+1C)

Port	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)	Occupied Bandwidth (MHz)
Port 1	QPSK	2115.00 + 2130.00	28.486	2172.50	13.493	41.979
	16QAM	2115.00 + 2130.00	28.340	2172.50	13.541	41.880
	64QAM	2115.00 + 2130.00	28.403	2172.50	13.498	41.901
	256QAM	2115.00 + 2130.00	28.373	2172.50	13.498	41.872
	QPSK	2115.00 + 2130.00	28.367	2172.50	13.463	41.830
	16QAM	2115.00 + 2130.00	28.321	2172.50	13.503	41.824
	64QAM	2115.00 + 2130.00	28.400	2172.50	13.481	41.881
	256QAM	2115.00 + 2130.00	28.484	2172.50	13.489	41.974
	QPSK	2115.00 + 2130.00	28.396	2172.50	13.494	41.890
	16QAM	2115.00 + 2130.00	28.429	2172.50	13.499	41.928
	64QAM	2115.00 + 2130.00	28.364	2172.50	13.458	41.822
	256QAM	2115.00 + 2130.00	28.395	2172.50	13.473	41.868
Port 2	QPSK	2115.00 + 2130.00	28.400	2172.50	13.492	41.892
	16QAM	2115.00 + 2130.00	28.372	2172.50	13.503	41.875
	64QAM	2115.00 + 2130.00	28.394	2172.50	13.475	41.869
	256QAM	2115.00 + 2130.00	28.403	2172.50	13.499	41.902
	QPSK	2115.00 + 2130.00	28.413	2172.50	13.477	41.890
	16QAM	2115.00 + 2130.00	28.396	2172.50	13.531	41.926
	64QAM	2115.00 + 2130.00	28.366	2172.50	13.448	41.814
	256QAM	2115.00 + 2130.00	28.414	2172.50	13.527	41.941
	QPSK	2115.00 + 2130.00	28.371	2172.50	13.472	41.843
	16QAM	2115.00 + 2130.00	28.379	2172.50	13.506	41.885
	64QAM	2115.00 + 2130.00	28.391	2172.50	13.467	41.858
	256QAM	2115.00 + 2130.00	28.402	2172.50	13.483	41.885

Port 3	QPSK	2115.00 + 2130.00	28.405	2172.50	13.525	41.930
	16QAM	2115.00 + 2130.00	28.383	2172.50	13.540	41.923
	64QAM	2115.00 + 2130.00	28.384	2172.50	13.499	41.883
	256QAM	2115.00 + 2130.00	28.420	2172.50	13.494	41.915
	QPSK	2115.00 + 2130.00	28.391	2172.50	13.480	41.871
	16QAM	2115.00 + 2130.00	28.432	2172.50	13.530	41.962
	64QAM	2115.00 + 2130.00	28.392	2172.50	13.468	41.860
	256QAM	2115.00 + 2130.00	28.435	2172.50	13.487	41.922
	QPSK	2115.00 + 2130.00	28.417	2172.50	13.461	41.879
	16QAM	2115.00 + 2130.00	28.407	2172.50	13.555	41.962
	64QAM	2115.00 + 2130.00	28.429	2172.50	13.453	41.882
	256QAM	2115.00 + 2130.00	28.394	2172.50	13.499	41.893
Port 4	QPSK	2115.00 + 2130.00	28.385	2172.50	13.463	41.848
	16QAM	2115.00 + 2130.00	28.375	2172.50	13.541	41.916
	64QAM	2115.00 + 2130.00	28.408	2172.50	13.482	41.890
	256QAM	2115.00 + 2130.00	28.424	2172.50	13.494	41.918
	QPSK	2115.00 + 2130.00	28.399	2172.50	13.466	41.866
	16QAM	2115.00 + 2130.00	28.395	2172.50	13.502	41.897
	64QAM	2115.00 + 2130.00	28.352	2172.50	13.473	41.825
	256QAM	2115.00 + 2130.00	28.438	2172.50	13.529	41.967
	QPSK	2115.00 + 2130.00	28.436	2172.50	13.465	41.901
	16QAM	2115.00 + 2130.00	28.387	2172.50	13.525	41.911
	64QAM	2115.00 + 2130.00	28.367	2172.50	13.481	41.849
	256QAM	2115.00 + 2130.00	28.439	2172.50	13.467	41.906
Port 5	QPSK	2115.00 + 2130.00	28.389	2172.50	13.458	41.847
	16QAM	2115.00 + 2130.00	28.372	2172.50	13.509	41.881
	64QAM	2115.00 + 2130.00	28.423	2172.50	13.459	41.883
	256QAM	2115.00 + 2130.00	28.424	2172.50	13.510	41.934
	QPSK	2115.00 + 2130.00	28.454	2172.50	13.482	41.935
	16QAM	2115.00 + 2130.00	28.407	2172.50	13.480	41.887
	64QAM	2115.00 + 2130.00	28.369	2172.50	13.477	41.846
	256QAM	2115.00 + 2130.00	28.406	2172.50	13.450	41.856
	QPSK	2115.00 + 2130.00	28.412	2172.50	13.452	41.863
	16QAM	2115.00 + 2130.00	28.344	2172.50	13.558	41.903
	64QAM	2115.00 + 2130.00	28.394	2172.50	13.461	41.855
	256QAM	2115.00 + 2130.00	28.430	2172.50	13.510	41.940

Port 6	QPSK	2115.00 + 2130.00	28.337	2172.50	13.482	41.819
	16QAM	2115.00 + 2130.00	28.404	2172.50	13.546	41.950
	64QAM	2115.00 + 2130.00	28.397	2172.50	13.475	41.872
	256QAM	2115.00 + 2130.00	28.395	2172.50	13.482	41.877
	QPSK	2115.00 + 2130.00	28.486	2172.50	13.493	41.979
	16QAM	2115.00 + 2130.00	28.340	2172.50	13.541	41.880
	64QAM	2115.00 + 2130.00	28.403	2172.50	13.498	41.901
	256QAM	2115.00 + 2130.00	28.373	2172.50	13.498	41.872
	QPSK	2115.00 + 2130.00	28.367	2172.50	13.463	41.830
	16QAM	2115.00 + 2130.00	28.321	2172.50	13.503	41.824
	64QAM	2115.00 + 2130.00	28.400	2172.50	13.481	41.881
	256QAM	2115.00 + 2130.00	28.484	2172.50	13.489	41.974
Port 7	QPSK	2115.00 + 2130.00	28.396	2172.50	13.494	41.890
	16QAM	2115.00 + 2130.00	28.429	2172.50	13.499	41.928
	64QAM	2115.00 + 2130.00	28.364	2172.50	13.458	41.822
	256QAM	2115.00 + 2130.00	28.395	2172.50	13.473	41.868
	QPSK	2115.00 + 2130.00	28.400	2172.50	13.492	41.892
	16QAM	2115.00 + 2130.00	28.372	2172.50	13.503	41.875
	64QAM	2115.00 + 2130.00	28.394	2172.50	13.475	41.869
	256QAM	2115.00 + 2130.00	28.403	2172.50	13.499	41.902
	QPSK	2115.00 + 2130.00	28.413	2172.50	13.477	41.890
	16QAM	2115.00 + 2130.00	28.396	2172.50	13.531	41.926
	64QAM	2115.00 + 2130.00	28.366	2172.50	13.448	41.814
	256QAM	2115.00 + 2130.00	28.414	2172.50	13.527	41.941
Port 8	QPSK	2115.00 + 2130.00	28.371	2172.50	13.472	41.843
	16QAM	2115.00 + 2130.00	28.379	2172.50	13.506	41.885
	64QAM	2115.00 + 2130.00	28.391	2172.50	13.467	41.858
	256QAM	2115.00 + 2130.00	28.402	2172.50	13.483	41.885
	QPSK	2115.00 + 2130.00	28.405	2172.50	13.525	41.930
	16QAM	2115.00 + 2130.00	28.383	2172.50	13.540	41.923
	64QAM	2115.00 + 2130.00	28.384	2172.50	13.499	41.883
	256QAM	2115.00 + 2130.00	28.420	2172.50	13.494	41.915
	QPSK	2115.00 + 2130.00	28.391	2172.50	13.480	41.871
	16QAM	2115.00 + 2130.00	28.432	2172.50	13.530	41.962
	64QAM	2115.00 + 2130.00	28.392	2172.50	13.468	41.860
	256QAM	2115.00 + 2130.00	28.435	2172.50	13.487	41.922

Port 9	QPSK	2115.00 + 2130.00	28.417	2172.50	13.461	41.879
	16QAM	2115.00 + 2130.00	28.407	2172.50	13.555	41.962
	64QAM	2115.00 + 2130.00	28.429	2172.50	13.453	41.882
	256QAM	2115.00 + 2130.00	28.394	2172.50	13.499	41.893
	QPSK	2115.00 + 2130.00	28.385	2172.50	13.463	41.848
	16QAM	2115.00 + 2130.00	28.375	2172.50	13.541	41.916
	64QAM	2115.00 + 2130.00	28.408	2172.50	13.482	41.890
	256QAM	2115.00 + 2130.00	28.424	2172.50	13.494	41.918
	QPSK	2115.00 + 2130.00	28.399	2172.50	13.466	41.866
	16QAM	2115.00 + 2130.00	28.395	2172.50	13.502	41.897
	64QAM	2115.00 + 2130.00	28.352	2172.50	13.473	41.825
	256QAM	2115.00 + 2130.00	28.438	2172.50	13.529	41.967
Port 10	QPSK	2115.00 + 2130.00	28.436	2172.50	13.465	41.901
	16QAM	2115.00 + 2130.00	28.387	2172.50	13.525	41.911
	64QAM	2115.00 + 2130.00	28.367	2172.50	13.481	41.849
	256QAM	2115.00 + 2130.00	28.439	2172.50	13.467	41.906
	QPSK	2115.00 + 2130.00	28.389	2172.50	13.458	41.847
	16QAM	2115.00 + 2130.00	28.372	2172.50	13.509	41.881
	64QAM	2115.00 + 2130.00	28.423	2172.50	13.459	41.883
	256QAM	2115.00 + 2130.00	28.424	2172.50	13.510	41.934
	QPSK	2115.00 + 2130.00	28.454	2172.50	13.482	41.935
	16QAM	2115.00 + 2130.00	28.407	2172.50	13.480	41.887
	64QAM	2115.00 + 2130.00	28.369	2172.50	13.477	41.846
	256QAM	2115.00 + 2130.00	28.406	2172.50	13.450	41.856
Port 11	QPSK	2115.00 + 2130.00	28.412	2172.50	13.452	41.863
	16QAM	2115.00 + 2130.00	28.344	2172.50	13.558	41.903
	64QAM	2115.00 + 2130.00	28.394	2172.50	13.461	41.855
	256QAM	2115.00 + 2130.00	28.430	2172.50	13.510	41.940
	QPSK	2115.00 + 2130.00	28.337	2172.50	13.482	41.819
	16QAM	2115.00 + 2130.00	28.404	2172.50	13.546	41.950
	64QAM	2115.00 + 2130.00	28.397	2172.50	13.475	41.872
	256QAM	2115.00 + 2130.00	28.395	2172.50	13.482	41.877
	QPSK	2115.00 + 2130.00	28.486	2172.50	13.493	41.979
	16QAM	2115.00 + 2130.00	28.340	2172.50	13.541	41.880
	64QAM	2115.00 + 2130.00	28.403	2172.50	13.498	41.901
	256QAM	2115.00 + 2130.00	28.373	2172.50	13.498	41.872

Port 12	QPSK	2115.00 + 2130.00	28.367	2172.50	13.463	41.830
	16QAM	2115.00 + 2130.00	28.321	2172.50	13.503	41.824
	64QAM	2115.00 + 2130.00	28.400	2172.50	13.481	41.881
	256QAM	2115.00 + 2130.00	28.484	2172.50	13.489	41.974
	QPSK	2115.00 + 2130.00	28.396	2172.50	13.494	41.890
	16QAM	2115.00 + 2130.00	28.429	2172.50	13.499	41.928
	64QAM	2115.00 + 2130.00	28.364	2172.50	13.458	41.822
	256QAM	2115.00 + 2130.00	28.395	2172.50	13.473	41.868
	QPSK	2115.00 + 2130.00	28.400	2172.50	13.492	41.892
	16QAM	2115.00 + 2130.00	28.372	2172.50	13.503	41.875
	64QAM	2115.00 + 2130.00	28.394	2172.50	13.475	41.869
	256QAM	2115.00 + 2130.00	28.403	2172.50	13.499	41.902
Port 13	QPSK	2115.00 + 2130.00	28.413	2172.50	13.477	41.890
	16QAM	2115.00 + 2130.00	28.396	2172.50	13.531	41.926
	64QAM	2115.00 + 2130.00	28.366	2172.50	13.448	41.814
	256QAM	2115.00 + 2130.00	28.414	2172.50	13.527	41.941
	QPSK	2115.00 + 2130.00	28.371	2172.50	13.472	41.843
	16QAM	2115.00 + 2130.00	28.379	2172.50	13.506	41.885
	64QAM	2115.00 + 2130.00	28.391	2172.50	13.467	41.858
	256QAM	2115.00 + 2130.00	28.402	2172.50	13.483	41.885
	QPSK	2115.00 + 2130.00	28.405	2172.50	13.525	41.930
	16QAM	2115.00 + 2130.00	28.383	2172.50	13.540	41.923
	64QAM	2115.00 + 2130.00	28.384	2172.50	13.499	41.883
	256QAM	2115.00 + 2130.00	28.420	2172.50	13.494	41.915
Port 14	QPSK	2115.00 + 2130.00	28.391	2172.50	13.480	41.871
	16QAM	2115.00 + 2130.00	28.432	2172.50	13.530	41.962
	64QAM	2115.00 + 2130.00	28.392	2172.50	13.468	41.860
	256QAM	2115.00 + 2130.00	28.435	2172.50	13.487	41.922
	QPSK	2115.00 + 2130.00	28.417	2172.50	13.461	41.879
	16QAM	2115.00 + 2130.00	28.407	2172.50	13.555	41.962
	64QAM	2115.00 + 2130.00	28.429	2172.50	13.453	41.882
	256QAM	2115.00 + 2130.00	28.394	2172.50	13.499	41.893
	QPSK	2115.00 + 2130.00	28.385	2172.50	13.463	41.848
	16QAM	2115.00 + 2130.00	28.375	2172.50	13.541	41.916
	64QAM	2115.00 + 2130.00	28.408	2172.50	13.482	41.890
	256QAM	2115.00 + 2130.00	28.424	2172.50	13.494	41.918

Port 15	QPSK	2115.00 + 2130.00	28.399	2172.50	13.466	41.866
	16QAM	2115.00 + 2130.00	28.395	2172.50	13.502	41.897
	64QAM	2115.00 + 2130.00	28.352	2172.50	13.473	41.825
	256QAM	2115.00 + 2130.00	28.438	2172.50	13.529	41.967
	QPSK	2115.00 + 2130.00	28.436	2172.50	13.465	41.901
	16QAM	2115.00 + 2130.00	28.387	2172.50	13.525	41.911
	64QAM	2115.00 + 2130.00	28.367	2172.50	13.481	41.849
	256QAM	2115.00 + 2130.00	28.439	2172.50	13.467	41.906
	QPSK	2115.00 + 2130.00	28.389	2172.50	13.458	41.847
	16QAM	2115.00 + 2130.00	28.372	2172.50	13.509	41.881
	64QAM	2115.00 + 2130.00	28.423	2172.50	13.459	41.883
	256QAM	2115.00 + 2130.00	28.424	2172.50	13.510	41.934
Port 16	QPSK	2115.00 + 2130.00	28.454	2172.50	13.482	41.935
	16QAM	2115.00 + 2130.00	28.407	2172.50	13.480	41.887
	64QAM	2115.00 + 2130.00	28.369	2172.50	13.477	41.846
	256QAM	2115.00 + 2130.00	28.406	2172.50	13.450	41.856
	QPSK	2115.00 + 2130.00	28.412	2172.50	13.452	41.863
	16QAM	2115.00 + 2130.00	28.344	2172.50	13.558	41.903
	64QAM	2115.00 + 2130.00	28.394	2172.50	13.461	41.855
	256QAM	2115.00 + 2130.00	28.430	2172.50	13.510	41.940
	QPSK	2115.00 + 2130.00	28.337	2172.50	13.482	41.819
	16QAM	2115.00 + 2130.00	28.404	2172.50	13.546	41.950
	64QAM	2115.00 + 2130.00	28.397	2172.50	13.475	41.872
	256QAM	2115.00 + 2130.00	28.395	2172.50	13.482	41.877

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier
[4 Carrier] (1C+3C)

Port	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)	Occupied Bandwidth (MHz)
Port 1	QPSK	2115.00	9.0149	2150.00 + 2165.00 + 2175.00	38.346	47.361
	16QAM	2115.00	9.0240	2150.00 + 2165.00 + 2175.00	38.407	47.431
	64QAM	2115.00	9.0138	2150.00 + 2165.00 + 2175.00	38.337	47.351
	256QAM	2115.00	8.9912	2150.00 + 2165.00 + 2175.00	38.339	47.330
	QPSK	2115.00	8.9675	2150.00 + 2165.00 + 2175.00	38.341	47.308
	16QAM	2115.00	9.0338	2150.00 + 2165.00 + 2175.00	38.394	47.427
	64QAM	2115.00	8.9999	2150.00 + 2165.00 + 2175.00	38.267	47.267
	256QAM	2115.00	8.9975	2150.00 + 2165.00 + 2175.00	38.328	47.325
	QPSK	2115.00	8.9964	2150.00 + 2165.00 + 2175.00	38.286	47.283
	16QAM	2115.00	9.0126	2150.00 + 2165.00 + 2175.00	38.368	47.381
	64QAM	2115.00	8.9931	2150.00 + 2165.00 + 2175.00	38.354	47.347
	256QAM	2115.00	8.9989	2150.00 + 2165.00 + 2175.00	38.313	47.312
Port 2	QPSK	2115.00	9.0050	2150.00 + 2165.00 + 2175.00	38.374	47.379
	16QAM	2115.00	8.9926	2150.00 + 2165.00 + 2175.00	38.385	47.378
	64QAM	2115.00	8.9928	2150.00 + 2165.00 + 2175.00	38.394	47.387
	256QAM	2115.00	9.0205	2150.00 + 2165.00 + 2175.00	38.343	47.364
	QPSK	2115.00	8.9945	2150.00 + 2165.00 + 2175.00	38.246	47.241
	16QAM	2115.00	8.9784	2150.00 + 2165.00 + 2175.00	38.420	47.399
	64QAM	2115.00	8.9777	2150.00 + 2165.00 + 2175.00	38.299	47.277
	256QAM	2115.00	8.9944	2150.00 + 2165.00 + 2175.00	38.328	47.322
	QPSK	2115.00	8.9835	2150.00 + 2165.00 + 2175.00	38.327	47.310
	16QAM	2115.00	8.9891	2150.00 + 2165.00 + 2175.00	38.409	47.398
	64QAM	2115.00	9.0007	2150.00 + 2165.00 + 2175.00	38.304	47.305
	256QAM	2115.00	8.9673	2150.00 + 2165.00 + 2175.00	38.370	47.337

Port 3	QPSK	2115.00	9.0150	2150.00 + 2165.00 + 2175.00	38.321	47.336
	16QAM	2115.00	8.9992	2150.00 + 2165.00 + 2175.00	38.424	47.423
	64QAM	2115.00	9.0041	2150.00 + 2165.00 + 2175.00	38.287	47.291
	256QAM	2115.00	8.9842	2150.00 + 2165.00 + 2175.00	38.314	47.298
	QPSK	2115.00	9.0021	2150.00 + 2165.00 + 2175.00	38.322	47.324
	16QAM	2115.00	9.0365	2150.00 + 2165.00 + 2175.00	38.353	47.390
	64QAM	2115.00	9.0036	2150.00 + 2165.00 + 2175.00	38.291	47.294
	256QAM	2115.00	8.9480	2150.00 + 2165.00 + 2175.00	38.305	47.253
	QPSK	2115.00	8.9773	2150.00 + 2165.00 + 2175.00	38.315	47.292
	16QAM	2115.00	9.0141	2150.00 + 2165.00 + 2175.00	38.298	47.312
	64QAM	2115.00	8.9956	2150.00 + 2165.00 + 2175.00	38.392	47.387
	256QAM	2115.00	8.9895	2150.00 + 2165.00 + 2175.00	38.312	47.301
Port 4	QPSK	2115.00	9.0107	2150.00 + 2165.00 + 2175.00	38.296	47.307
	16QAM	2115.00	9.0070	2150.00 + 2165.00 + 2175.00	38.351	47.358
	64QAM	2115.00	8.9869	2150.00 + 2165.00 + 2175.00	38.237	47.224
	256QAM	2115.00	9.0076	2150.00 + 2165.00 + 2175.00	38.355	47.363
	QPSK	2115.00	9.0257	2150.00 + 2165.00 + 2175.00	38.348	47.374
	16QAM	2115.00	8.9793	2150.00 + 2165.00 + 2175.00	38.393	47.372
	64QAM	2115.00	8.9876	2150.00 + 2165.00 + 2175.00	38.366	47.353
	256QAM	2115.00	8.9827	2150.00 + 2165.00 + 2175.00	38.346	47.328
	QPSK	2115.00	9.0005	2150.00 + 2165.00 + 2175.00	38.366	47.367
	16QAM	2115.00	9.0128	2150.00 + 2165.00 + 2175.00	38.357	47.370
	64QAM	2115.00	8.9808	2150.00 + 2165.00 + 2175.00	38.298	47.279
	256QAM	2115.00	9.0011	2150.00 + 2165.00 + 2175.00	38.335	47.336
Port 5	QPSK	2115.00	9.0108	2150.00 + 2165.00 + 2175.00	38.348	47.359
	16QAM	2115.00	8.9962	2150.00 + 2165.00 + 2175.00	38.441	47.438
	64QAM	2115.00	9.0092	2150.00 + 2165.00 + 2175.00	38.318	47.327
	256QAM	2115.00	8.9972	2150.00 + 2165.00 + 2175.00	38.328	47.326
	QPSK	2115.00	8.9850	2150.00 + 2165.00 + 2175.00	38.343	47.328
	16QAM	2115.00	9.0134	2150.00 + 2165.00 + 2175.00	38.418	47.431
	64QAM	2115.00	8.9990	2150.00 + 2165.00 + 2175.00	38.389	47.388
	256QAM	2115.00	8.9771	2150.00 + 2165.00 + 2175.00	38.337	47.314
	QPSK	2115.00	9.0049	2150.00 + 2165.00 + 2175.00	38.343	47.348
	16QAM	2115.00	9.0232	2150.00 + 2165.00 + 2175.00	38.393	47.416
	64QAM	2115.00	8.9949	2150.00 + 2165.00 + 2175.00	38.337	47.332
	256QAM	2115.00	9.0183	2150.00 + 2165.00 + 2175.00	38.352	47.370

Port 6	QPSK	2115.00	9.0127	2150.00 + 2165.00 + 2175.00	38.321	47.334
	16QAM	2115.00	9.0081	2150.00 + 2165.00 + 2175.00	38.387	47.395
	64QAM	2115.00	8.9989	2150.00 + 2165.00 + 2175.00	38.261	47.260
	256QAM	2115.00	8.9871	2150.00 + 2165.00 + 2175.00	38.360	47.347
	QPSK	2115.00	9.0149	2150.00 + 2165.00 + 2175.00	38.346	47.361
	16QAM	2115.00	9.0240	2150.00 + 2165.00 + 2175.00	38.407	47.431
	64QAM	2115.00	9.0138	2150.00 + 2165.00 + 2175.00	38.337	47.351
	256QAM	2115.00	8.9912	2150.00 + 2165.00 + 2175.00	38.339	47.330
	QPSK	2115.00	8.9675	2150.00 + 2165.00 + 2175.00	38.341	47.308
	16QAM	2115.00	9.0338	2150.00 + 2165.00 + 2175.00	38.394	47.427
	64QAM	2115.00	8.9999	2150.00 + 2165.00 + 2175.00	38.267	47.267
	256QAM	2115.00	8.9975	2150.00 + 2165.00 + 2175.00	38.328	47.325
Port 7	QPSK	2115.00	8.9964	2150.00 + 2165.00 + 2175.00	38.286	47.283
	16QAM	2115.00	9.0126	2150.00 + 2165.00 + 2175.00	38.368	47.381
	64QAM	2115.00	8.9931	2150.00 + 2165.00 + 2175.00	38.354	47.347
	256QAM	2115.00	8.9989	2150.00 + 2165.00 + 2175.00	38.313	47.312
	QPSK	2115.00	9.0050	2150.00 + 2165.00 + 2175.00	38.374	47.379
	16QAM	2115.00	8.9926	2150.00 + 2165.00 + 2175.00	38.385	47.378
	64QAM	2115.00	8.9928	2150.00 + 2165.00 + 2175.00	38.394	47.387
	256QAM	2115.00	9.0205	2150.00 + 2165.00 + 2175.00	38.343	47.364
	QPSK	2115.00	8.9945	2150.00 + 2165.00 + 2175.00	38.246	47.241
	16QAM	2115.00	8.9784	2150.00 + 2165.00 + 2175.00	38.420	47.399
	64QAM	2115.00	8.9777	2150.00 + 2165.00 + 2175.00	38.299	47.277
	256QAM	2115.00	8.9944	2150.00 + 2165.00 + 2175.00	38.328	47.322
Port 8	QPSK	2115.00	8.9835	2150.00 + 2165.00 + 2175.00	38.327	47.310
	16QAM	2115.00	8.9891	2150.00 + 2165.00 + 2175.00	38.409	47.398
	64QAM	2115.00	9.0007	2150.00 + 2165.00 + 2175.00	38.304	47.305
	256QAM	2115.00	8.9673	2150.00 + 2165.00 + 2175.00	38.370	47.337
	QPSK	2115.00	9.0150	2150.00 + 2165.00 + 2175.00	38.321	47.336
	16QAM	2115.00	8.9992	2150.00 + 2165.00 + 2175.00	38.424	47.423
	64QAM	2115.00	9.0041	2150.00 + 2165.00 + 2175.00	38.287	47.291
	256QAM	2115.00	8.9842	2150.00 + 2165.00 + 2175.00	38.314	47.298
	QPSK	2115.00	9.0021	2150.00 + 2165.00 + 2175.00	38.322	47.324
	16QAM	2115.00	9.0365	2150.00 + 2165.00 + 2175.00	38.353	47.390
	64QAM	2115.00	9.0036	2150.00 + 2165.00 + 2175.00	38.291	47.294
	256QAM	2115.00	8.9480	2150.00 + 2165.00 + 2175.00	38.305	47.253

Port 9	QPSK	2115.00	8.9773	2150.00 + 2165.00 + 2175.00	38.315	47.292
	16QAM	2115.00	9.0141	2150.00 + 2165.00 + 2175.00	38.298	47.312
	64QAM	2115.00	8.9956	2150.00 + 2165.00 + 2175.00	38.392	47.387
	256QAM	2115.00	8.9895	2150.00 + 2165.00 + 2175.00	38.312	47.301
	QPSK	2115.00	9.0107	2150.00 + 2165.00 + 2175.00	38.296	47.307
	16QAM	2115.00	9.0070	2150.00 + 2165.00 + 2175.00	38.351	47.358
	64QAM	2115.00	8.9869	2150.00 + 2165.00 + 2175.00	38.237	47.224
	256QAM	2115.00	9.0076	2150.00 + 2165.00 + 2175.00	38.355	47.363
	QPSK	2115.00	9.0257	2150.00 + 2165.00 + 2175.00	38.348	47.374
	16QAM	2115.00	8.9793	2150.00 + 2165.00 + 2175.00	38.393	47.372
	64QAM	2115.00	8.9876	2150.00 + 2165.00 + 2175.00	38.366	47.353
	256QAM	2115.00	8.9827	2150.00 + 2165.00 + 2175.00	38.346	47.328
Port 10	QPSK	2115.00	9.0005	2150.00 + 2165.00 + 2175.00	38.366	47.367
	16QAM	2115.00	9.0128	2150.00 + 2165.00 + 2175.00	38.357	47.370
	64QAM	2115.00	8.9808	2150.00 + 2165.00 + 2175.00	38.298	47.279
	256QAM	2115.00	9.0011	2150.00 + 2165.00 + 2175.00	38.335	47.336
	QPSK	2115.00	9.0108	2150.00 + 2165.00 + 2175.00	38.348	47.359
	16QAM	2115.00	8.9962	2150.00 + 2165.00 + 2175.00	38.441	47.438
	64QAM	2115.00	9.0092	2150.00 + 2165.00 + 2175.00	38.318	47.327
	256QAM	2115.00	8.9972	2150.00 + 2165.00 + 2175.00	38.328	47.326
	QPSK	2115.00	8.9850	2150.00 + 2165.00 + 2175.00	38.343	47.328
	16QAM	2115.00	9.0134	2150.00 + 2165.00 + 2175.00	38.418	47.431
	64QAM	2115.00	8.9990	2150.00 + 2165.00 + 2175.00	38.389	47.388
	256QAM	2115.00	8.9771	2150.00 + 2165.00 + 2175.00	38.337	47.314
Port 11	QPSK	2115.00	9.0049	2150.00 + 2165.00 + 2175.00	38.343	47.348
	16QAM	2115.00	9.0232	2150.00 + 2165.00 + 2175.00	38.393	47.416
	64QAM	2115.00	8.9949	2150.00 + 2165.00 + 2175.00	38.337	47.332
	256QAM	2115.00	9.0183	2150.00 + 2165.00 + 2175.00	38.352	47.370
	QPSK	2115.00	9.0127	2150.00 + 2165.00 + 2175.00	38.321	47.334
	16QAM	2115.00	9.0081	2150.00 + 2165.00 + 2175.00	38.387	47.395
	64QAM	2115.00	8.9989	2150.00 + 2165.00 + 2175.00	38.261	47.260
	256QAM	2115.00	8.9871	2150.00 + 2165.00 + 2175.00	38.360	47.347
	QPSK	2115.00	9.0149	2150.00 + 2165.00 + 2175.00	38.346	47.361
	16QAM	2115.00	9.0240	2150.00 + 2165.00 + 2175.00	38.407	47.431
	64QAM	2115.00	9.0138	2150.00 + 2165.00 + 2175.00	38.337	47.351
	256QAM	2115.00	8.9912	2150.00 + 2165.00 + 2175.00	38.339	47.330

Port 12	QPSK	2115.00	8.9675	2150.00 + 2165.00 + 2175.00	38.341	47.308
	16QAM	2115.00	9.0338	2150.00 + 2165.00 + 2175.00	38.394	47.427
	64QAM	2115.00	8.9999	2150.00 + 2165.00 + 2175.00	38.267	47.267
	256QAM	2115.00	8.9975	2150.00 + 2165.00 + 2175.00	38.328	47.325
	QPSK	2115.00	8.9964	2150.00 + 2165.00 + 2175.00	38.286	47.283
	16QAM	2115.00	9.0126	2150.00 + 2165.00 + 2175.00	38.368	47.381
	64QAM	2115.00	8.9931	2150.00 + 2165.00 + 2175.00	38.354	47.347
	256QAM	2115.00	8.9989	2150.00 + 2165.00 + 2175.00	38.313	47.312
	QPSK	2115.00	9.0050	2150.00 + 2165.00 + 2175.00	38.374	47.379
	16QAM	2115.00	8.9926	2150.00 + 2165.00 + 2175.00	38.385	47.378
	64QAM	2115.00	8.9928	2150.00 + 2165.00 + 2175.00	38.394	47.387
	256QAM	2115.00	9.0205	2150.00 + 2165.00 + 2175.00	38.343	47.364
Port 13	QPSK	2115.00	8.9945	2150.00 + 2165.00 + 2175.00	38.246	47.241
	16QAM	2115.00	8.9784	2150.00 + 2165.00 + 2175.00	38.420	47.399
	64QAM	2115.00	8.9777	2150.00 + 2165.00 + 2175.00	38.299	47.277
	256QAM	2115.00	8.9944	2150.00 + 2165.00 + 2175.00	38.328	47.322
	QPSK	2115.00	8.9835	2150.00 + 2165.00 + 2175.00	38.327	47.310
	16QAM	2115.00	8.9891	2150.00 + 2165.00 + 2175.00	38.409	47.398
	64QAM	2115.00	9.0007	2150.00 + 2165.00 + 2175.00	38.304	47.305
	256QAM	2115.00	8.9673	2150.00 + 2165.00 + 2175.00	38.370	47.337
	QPSK	2115.00	9.0150	2150.00 + 2165.00 + 2175.00	38.321	47.336
	16QAM	2115.00	8.9992	2150.00 + 2165.00 + 2175.00	38.424	47.423
	64QAM	2115.00	9.0041	2150.00 + 2165.00 + 2175.00	38.287	47.291
	256QAM	2115.00	8.9842	2150.00 + 2165.00 + 2175.00	38.314	47.298
Port 14	QPSK	2115.00	9.0021	2150.00 + 2165.00 + 2175.00	38.322	47.324
	16QAM	2115.00	9.0365	2150.00 + 2165.00 + 2175.00	38.353	47.390
	64QAM	2115.00	9.0036	2150.00 + 2165.00 + 2175.00	38.291	47.294
	256QAM	2115.00	8.9480	2150.00 + 2165.00 + 2175.00	38.305	47.253
	QPSK	2115.00	8.9773	2150.00 + 2165.00 + 2175.00	38.315	47.292
	16QAM	2115.00	9.0141	2150.00 + 2165.00 + 2175.00	38.298	47.312
	64QAM	2115.00	8.9956	2150.00 + 2165.00 + 2175.00	38.392	47.387
	256QAM	2115.00	8.9895	2150.00 + 2165.00 + 2175.00	38.312	47.301
	QPSK	2115.00	9.0107	2150.00 + 2165.00 + 2175.00	38.296	47.307
	16QAM	2115.00	9.0070	2150.00 + 2165.00 + 2175.00	38.351	47.358
	64QAM	2115.00	8.9869	2150.00 + 2165.00 + 2175.00	38.237	47.224
	256QAM	2115.00	9.0076	2150.00 + 2165.00 + 2175.00	38.355	47.363

Port 15	QPSK	2115.00	9.0257	2150.00 + 2165.00 + 2175.00	38.348	47.374
	16QAM	2115.00	8.9793	2150.00 + 2165.00 + 2175.00	38.393	47.372
	64QAM	2115.00	8.9876	2150.00 + 2165.00 + 2175.00	38.366	47.353
	256QAM	2115.00	8.9827	2150.00 + 2165.00 + 2175.00	38.346	47.328
	QPSK	2115.00	9.0005	2150.00 + 2165.00 + 2175.00	38.366	47.367
	16QAM	2115.00	9.0128	2150.00 + 2165.00 + 2175.00	38.357	47.370
	64QAM	2115.00	8.9808	2150.00 + 2165.00 + 2175.00	38.298	47.279
	256QAM	2115.00	9.0011	2150.00 + 2165.00 + 2175.00	38.335	47.336
	QPSK	2115.00	9.0108	2150.00 + 2165.00 + 2175.00	38.348	47.359
	16QAM	2115.00	8.9962	2150.00 + 2165.00 + 2175.00	38.441	47.438
	64QAM	2115.00	9.0092	2150.00 + 2165.00 + 2175.00	38.318	47.327
	256QAM	2115.00	8.9972	2150.00 + 2165.00 + 2175.00	38.328	47.326
Port 16	QPSK	2115.00	8.9850	2150.00 + 2165.00 + 2175.00	38.343	47.328
	16QAM	2115.00	9.0134	2150.00 + 2165.00 + 2175.00	38.418	47.431
	64QAM	2115.00	8.9990	2150.00 + 2165.00 + 2175.00	38.389	47.388
	256QAM	2115.00	8.9771	2150.00 + 2165.00 + 2175.00	38.337	47.314
	QPSK	2115.00	9.0049	2150.00 + 2165.00 + 2175.00	38.343	47.348
	16QAM	2115.00	9.0232	2150.00 + 2165.00 + 2175.00	38.393	47.416
	64QAM	2115.00	8.9949	2150.00 + 2165.00 + 2175.00	38.337	47.332
	256QAM	2115.00	9.0183	2150.00 + 2165.00 + 2175.00	38.352	47.370
	QPSK	2115.00	9.0127	2150.00 + 2165.00 + 2175.00	38.321	47.334
	16QAM	2115.00	9.0081	2150.00 + 2165.00 + 2175.00	38.387	47.395
	64QAM	2115.00	8.9989	2150.00 + 2165.00 + 2175.00	38.261	47.260
	256QAM	2115.00	8.9871	2150.00 + 2165.00 + 2175.00	38.360	47.347

LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier
[4 Carrier] (3C+1C)

Port	Modulation	Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)	Occupied Bandwidth (MHz)
Port 1	QPSK	2115.00 + 2125.00 + 2140.00	38.2934	2175.00	9.001	47.294
	16QAM	2115.00 + 2125.00 + 2140.00	38.2152	2175.00	9.023	47.239
	64QAM	2115.00 + 2125.00 + 2140.00	38.3234	2175.00	8.994	47.317
	256QAM	2115.00 + 2125.00 + 2140.00	38.3038	2175.00	8.988	47.292
	QPSK	2115.00 + 2125.00 + 2140.00	38.3116	2175.00	8.994	47.306
	16QAM	2115.00 + 2125.00 + 2140.00	38.3594	2175.00	9.019	47.379
	64QAM	2115.00 + 2125.00 + 2140.00	38.3182	2175.00	9.015	47.333
	256QAM	2115.00 + 2125.00 + 2140.00	38.3583	2175.00	8.965	47.323
	QPSK	2115.00 + 2125.00 + 2140.00	38.3018	2175.00	8.969	47.271
	16QAM	2115.00 + 2125.00 + 2140.00	38.2929	2175.00	9.011	47.303
	64QAM	2115.00 + 2125.00 + 2140.00	38.3694	2175.00	9.017	47.387
	256QAM	2115.00 + 2125.00 + 2140.00	38.2952	2175.00	9.016	47.312
Port 2	QPSK	2115.00 + 2125.00 + 2140.00	38.3738	2175.00	8.992	47.365
	16QAM	2115.00 + 2125.00 + 2140.00	38.3126	2175.00	9.011	47.323
	64QAM	2115.00 + 2125.00 + 2140.00	38.4080	2175.00	9.031	47.439
	256QAM	2115.00 + 2125.00 + 2140.00	38.3809	2175.00	8.992	47.373
	QPSK	2115.00 + 2125.00 + 2140.00	38.3181	2175.00	8.986	47.304
	16QAM	2115.00 + 2125.00 + 2140.00	38.3170	2175.00	8.981	47.298
	64QAM	2115.00 + 2125.00 + 2140.00	38.3130	2175.00	9.024	47.337
	256QAM	2115.00 + 2125.00 + 2140.00	38.2999	2175.00	8.997	47.297
	QPSK	2115.00 + 2125.00 + 2140.00	38.3719	2175.00	8.985	47.357
	16QAM	2115.00 + 2125.00 + 2140.00	38.2497	2175.00	9.013	47.262
	64QAM	2115.00 + 2125.00 + 2140.00	38.3764	2175.00	9.000	47.376
	256QAM	2115.00 + 2125.00 + 2140.00	38.3187	2175.00	9.023	47.342

Port 3	QPSK	2115.00 + 2125.00 + 2140.00	38.3479	2175.00	8.994	47.341
	16QAM	2115.00 + 2125.00 + 2140.00	38.3288	2175.00	9.020	47.349
	64QAM	2115.00 + 2125.00 + 2140.00	38.3983	2175.00	9.001	47.399
	256QAM	2115.00 + 2125.00 + 2140.00	38.4161	2175.00	9.008	47.424
	QPSK	2115.00 + 2125.00 + 2140.00	38.3308	2175.00	9.007	47.338
	16QAM	2115.00 + 2125.00 + 2140.00	38.3286	2175.00	8.989	47.317
	64QAM	2115.00 + 2125.00 + 2140.00	38.2828	2175.00	9.025	47.307
	256QAM	2115.00 + 2125.00 + 2140.00	38.3457	2175.00	8.970	47.315
	QPSK	2115.00 + 2125.00 + 2140.00	38.2849	2175.00	8.966	47.251
	16QAM	2115.00 + 2125.00 + 2140.00	38.2887	2175.00	9.019	47.307
	64QAM	2115.00 + 2125.00 + 2140.00	38.3554	2175.00	9.015	47.370
	256QAM	2115.00 + 2125.00 + 2140.00	38.4331	2175.00	9.003	47.437
Port 4	QPSK	2115.00 + 2125.00 + 2140.00	38.3181	2175.00	8.974	47.292
	16QAM	2115.00 + 2125.00 + 2140.00	38.2714	2175.00	9.023	47.294
	64QAM	2115.00 + 2125.00 + 2140.00	38.2788	2175.00	8.997	47.276
	256QAM	2115.00 + 2125.00 + 2140.00	38.2721	2175.00	9.025	47.297
	QPSK	2115.00 + 2125.00 + 2140.00	38.2707	2175.00	8.971	47.241
	16QAM	2115.00 + 2125.00 + 2140.00	38.3109	2175.00	8.997	47.308
	64QAM	2115.00 + 2125.00 + 2140.00	38.3092	2175.00	8.998	47.307
	256QAM	2115.00 + 2125.00 + 2140.00	38.3456	2175.00	8.982	47.328
	QPSK	2115.00 + 2125.00 + 2140.00	38.3186	2175.00	8.992	47.311
	16QAM	2115.00 + 2125.00 + 2140.00	38.3082	2175.00	8.990	47.298
	64QAM	2115.00 + 2125.00 + 2140.00	38.3865	2175.00	8.993	47.380
	256QAM	2115.00 + 2125.00 + 2140.00	38.3724	2175.00	9.011	47.384
Port 5	QPSK	2115.00 + 2125.00 + 2140.00	38.3205	2175.00	8.987	47.308
	16QAM	2115.00 + 2125.00 + 2140.00	38.2400	2175.00	9.020	47.261
	64QAM	2115.00 + 2125.00 + 2140.00	38.3038	2175.00	9.000	47.304
	256QAM	2115.00 + 2125.00 + 2140.00	38.3255	2175.00	9.012	47.338
	QPSK	2115.00 + 2125.00 + 2140.00	38.3247	2175.00	9.030	47.354
	16QAM	2115.00 + 2125.00 + 2140.00	38.2928	2175.00	9.014	47.307
	64QAM	2115.00 + 2125.00 + 2140.00	38.3289	2175.00	9.024	47.353
	256QAM	2115.00 + 2125.00 + 2140.00	38.3129	2175.00	8.996	47.309
	QPSK	2115.00 + 2125.00 + 2140.00	38.3066	2175.00	8.998	47.305
	16QAM	2115.00 + 2125.00 + 2140.00	38.3746	2175.00	9.011	47.385
	64QAM	2115.00 + 2125.00 + 2140.00	38.3572	2175.00	9.003	47.360
	256QAM	2115.00 + 2125.00 + 2140.00	38.4020	2175.00	8.996	47.398

Port 6	QPSK	2115.00 + 2125.00 + 2140.00	38.3186	2175.00	9.005	47.324
	16QAM	2115.00 + 2125.00 + 2140.00	38.2874	2175.00	8.984	47.272
	64QAM	2115.00 + 2125.00 + 2140.00	38.3170	2175.00	9.018	47.335
	256QAM	2115.00 + 2125.00 + 2140.00	38.3000	2175.00	9.000	47.300
	QPSK	2115.00 + 2125.00 + 2140.00	38.2934	2175.00	9.001	47.294
	16QAM	2115.00 + 2125.00 + 2140.00	38.2152	2175.00	9.023	47.239
	64QAM	2115.00 + 2125.00 + 2140.00	38.3234	2175.00	8.994	47.317
	256QAM	2115.00 + 2125.00 + 2140.00	38.3038	2175.00	8.988	47.292
	QPSK	2115.00 + 2125.00 + 2140.00	38.3116	2175.00	8.994	47.306
	16QAM	2115.00 + 2125.00 + 2140.00	38.3594	2175.00	9.019	47.379
	64QAM	2115.00 + 2125.00 + 2140.00	38.3182	2175.00	9.015	47.333
	256QAM	2115.00 + 2125.00 + 2140.00	38.3583	2175.00	8.965	47.323
Port 7	QPSK	2115.00 + 2125.00 + 2140.00	38.3018	2175.00	8.969	47.271
	16QAM	2115.00 + 2125.00 + 2140.00	38.2929	2175.00	9.011	47.303
	64QAM	2115.00 + 2125.00 + 2140.00	38.3694	2175.00	9.017	47.387
	256QAM	2115.00 + 2125.00 + 2140.00	38.2952	2175.00	9.016	47.312
	QPSK	2115.00 + 2125.00 + 2140.00	38.3738	2175.00	8.992	47.365
	16QAM	2115.00 + 2125.00 + 2140.00	38.3126	2175.00	9.011	47.323
	64QAM	2115.00 + 2125.00 + 2140.00	38.4080	2175.00	9.031	47.439
	256QAM	2115.00 + 2125.00 + 2140.00	38.3809	2175.00	8.992	47.373
	QPSK	2115.00 + 2125.00 + 2140.00	38.3181	2175.00	8.986	47.304
	16QAM	2115.00 + 2125.00 + 2140.00	38.3170	2175.00	8.981	47.298
	64QAM	2115.00 + 2125.00 + 2140.00	38.3130	2175.00	9.024	47.337
	256QAM	2115.00 + 2125.00 + 2140.00	38.2999	2175.00	8.997	47.297
Port 8	QPSK	2115.00 + 2125.00 + 2140.00	38.3719	2175.00	8.985	47.357
	16QAM	2115.00 + 2125.00 + 2140.00	38.2497	2175.00	9.013	47.262
	64QAM	2115.00 + 2125.00 + 2140.00	38.3764	2175.00	9.000	47.376
	256QAM	2115.00 + 2125.00 + 2140.00	38.3187	2175.00	9.023	47.342
	QPSK	2115.00 + 2125.00 + 2140.00	38.3479	2175.00	8.994	47.341
	16QAM	2115.00 + 2125.00 + 2140.00	38.3288	2175.00	9.020	47.349
	64QAM	2115.00 + 2125.00 + 2140.00	38.3983	2175.00	9.001	47.399
	256QAM	2115.00 + 2125.00 + 2140.00	38.4161	2175.00	9.008	47.424
	QPSK	2115.00 + 2125.00 + 2140.00	38.3308	2175.00	9.007	47.338
	16QAM	2115.00 + 2125.00 + 2140.00	38.3286	2175.00	8.989	47.317
	64QAM	2115.00 + 2125.00 + 2140.00	38.2828	2175.00	9.025	47.307
	256QAM	2115.00 + 2125.00 + 2140.00	38.3457	2175.00	8.970	47.315

Port 9	QPSK	2115.00 + 2125.00 + 2140.00	38.2849	2175.00	8.966	47.251
	16QAM	2115.00 + 2125.00 + 2140.00	38.2887	2175.00	9.019	47.307
	64QAM	2115.00 + 2125.00 + 2140.00	38.3554	2175.00	9.015	47.370
	256QAM	2115.00 + 2125.00 + 2140.00	38.4331	2175.00	9.003	47.437
	QPSK	2115.00 + 2125.00 + 2140.00	38.3181	2175.00	8.974	47.292
	16QAM	2115.00 + 2125.00 + 2140.00	38.2714	2175.00	9.023	47.294
	64QAM	2115.00 + 2125.00 + 2140.00	38.2788	2175.00	8.997	47.276
	256QAM	2115.00 + 2125.00 + 2140.00	38.2721	2175.00	9.025	47.297
	QPSK	2115.00 + 2125.00 + 2140.00	38.2707	2175.00	8.971	47.241
	16QAM	2115.00 + 2125.00 + 2140.00	38.3109	2175.00	8.997	47.308
	64QAM	2115.00 + 2125.00 + 2140.00	38.3092	2175.00	8.998	47.307
	256QAM	2115.00 + 2125.00 + 2140.00	38.3456	2175.00	8.982	47.328
Port 10	QPSK	2115.00 + 2125.00 + 2140.00	38.3186	2175.00	8.992	47.311
	16QAM	2115.00 + 2125.00 + 2140.00	38.3082	2175.00	8.990	47.298
	64QAM	2115.00 + 2125.00 + 2140.00	38.3865	2175.00	8.993	47.380
	256QAM	2115.00 + 2125.00 + 2140.00	38.3724	2175.00	9.011	47.384
	QPSK	2115.00 + 2125.00 + 2140.00	38.3205	2175.00	8.987	47.308
	16QAM	2115.00 + 2125.00 + 2140.00	38.2400	2175.00	9.020	47.261
	64QAM	2115.00 + 2125.00 + 2140.00	38.3038	2175.00	9.000	47.304
	256QAM	2115.00 + 2125.00 + 2140.00	38.3255	2175.00	9.012	47.338
	QPSK	2115.00 + 2125.00 + 2140.00	38.3247	2175.00	9.030	47.354
	16QAM	2115.00 + 2125.00 + 2140.00	38.2928	2175.00	9.014	47.307
	64QAM	2115.00 + 2125.00 + 2140.00	38.3289	2175.00	9.024	47.353
	256QAM	2115.00 + 2125.00 + 2140.00	38.3129	2175.00	8.996	47.309
Port 11	QPSK	2115.00 + 2125.00 + 2140.00	38.3066	2175.00	8.998	47.305
	16QAM	2115.00 + 2125.00 + 2140.00	38.3746	2175.00	9.011	47.385
	64QAM	2115.00 + 2125.00 + 2140.00	38.3572	2175.00	9.003	47.360
	256QAM	2115.00 + 2125.00 + 2140.00	38.4020	2175.00	8.996	47.398
	QPSK	2115.00 + 2125.00 + 2140.00	38.3186	2175.00	9.005	47.324
	16QAM	2115.00 + 2125.00 + 2140.00	38.2874	2175.00	8.984	47.272
	64QAM	2115.00 + 2125.00 + 2140.00	38.3170	2175.00	9.018	47.335
	256QAM	2115.00 + 2125.00 + 2140.00	38.3000	2175.00	9.000	47.300
	QPSK	2115.00 + 2125.00 + 2140.00	38.2934	2175.00	9.001	47.294
	16QAM	2115.00 + 2125.00 + 2140.00	38.2152	2175.00	9.023	47.239
	64QAM	2115.00 + 2125.00 + 2140.00	38.3234	2175.00	8.994	47.317
	256QAM	2115.00 + 2125.00 + 2140.00	38.3038	2175.00	8.988	47.292

Port 12	QPSK	2115.00 + 2125.00 + 2140.00	38.3116	2175.00	8.994	47.306
	16QAM	2115.00 + 2125.00 + 2140.00	38.3594	2175.00	9.019	47.379
	64QAM	2115.00 + 2125.00 + 2140.00	38.3182	2175.00	9.015	47.333
	256QAM	2115.00 + 2125.00 + 2140.00	38.3583	2175.00	8.965	47.323
	QPSK	2115.00 + 2125.00 + 2140.00	38.3018	2175.00	8.969	47.271
	16QAM	2115.00 + 2125.00 + 2140.00	38.2929	2175.00	9.011	47.303
	64QAM	2115.00 + 2125.00 + 2140.00	38.3694	2175.00	9.017	47.387
	256QAM	2115.00 + 2125.00 + 2140.00	38.2952	2175.00	9.016	47.312
	QPSK	2115.00 + 2125.00 + 2140.00	38.3738	2175.00	8.992	47.365
	16QAM	2115.00 + 2125.00 + 2140.00	38.3126	2175.00	9.011	47.323
	64QAM	2115.00 + 2125.00 + 2140.00	38.4080	2175.00	9.031	47.439
	256QAM	2115.00 + 2125.00 + 2140.00	38.3809	2175.00	8.992	47.373
Port 13	QPSK	2115.00 + 2125.00 + 2140.00	38.3181	2175.00	8.986	47.304
	16QAM	2115.00 + 2125.00 + 2140.00	38.3170	2175.00	8.981	47.298
	64QAM	2115.00 + 2125.00 + 2140.00	38.3130	2175.00	9.024	47.337
	256QAM	2115.00 + 2125.00 + 2140.00	38.2999	2175.00	8.997	47.297
	QPSK	2115.00 + 2125.00 + 2140.00	38.3719	2175.00	8.985	47.357
	16QAM	2115.00 + 2125.00 + 2140.00	38.2497	2175.00	9.013	47.262
	64QAM	2115.00 + 2125.00 + 2140.00	38.3764	2175.00	9.000	47.376
	256QAM	2115.00 + 2125.00 + 2140.00	38.3187	2175.00	9.023	47.342
	QPSK	2115.00 + 2125.00 + 2140.00	38.3479	2175.00	8.994	47.341
	16QAM	2115.00 + 2125.00 + 2140.00	38.3288	2175.00	9.020	47.349
	64QAM	2115.00 + 2125.00 + 2140.00	38.3983	2175.00	9.001	47.399
	256QAM	2115.00 + 2125.00 + 2140.00	38.4161	2175.00	9.008	47.424
Port 14	QPSK	2115.00 + 2125.00 + 2140.00	38.3308	2175.00	9.007	47.338
	16QAM	2115.00 + 2125.00 + 2140.00	38.3286	2175.00	8.989	47.317
	64QAM	2115.00 + 2125.00 + 2140.00	38.2828	2175.00	9.025	47.307
	256QAM	2115.00 + 2125.00 + 2140.00	38.3457	2175.00	8.970	47.315
	QPSK	2115.00 + 2125.00 + 2140.00	38.2849	2175.00	8.966	47.251
	16QAM	2115.00 + 2125.00 + 2140.00	38.2887	2175.00	9.019	47.307
	64QAM	2115.00 + 2125.00 + 2140.00	38.3554	2175.00	9.015	47.370
	256QAM	2115.00 + 2125.00 + 2140.00	38.4331	2175.00	9.003	47.437
	QPSK	2115.00 + 2125.00 + 2140.00	38.3181	2175.00	8.974	47.292
	16QAM	2115.00 + 2125.00 + 2140.00	38.2714	2175.00	9.023	47.294
	64QAM	2115.00 + 2125.00 + 2140.00	38.2788	2175.00	8.997	47.276
	256QAM	2115.00 + 2125.00 + 2140.00	38.2721	2175.00	9.025	47.297

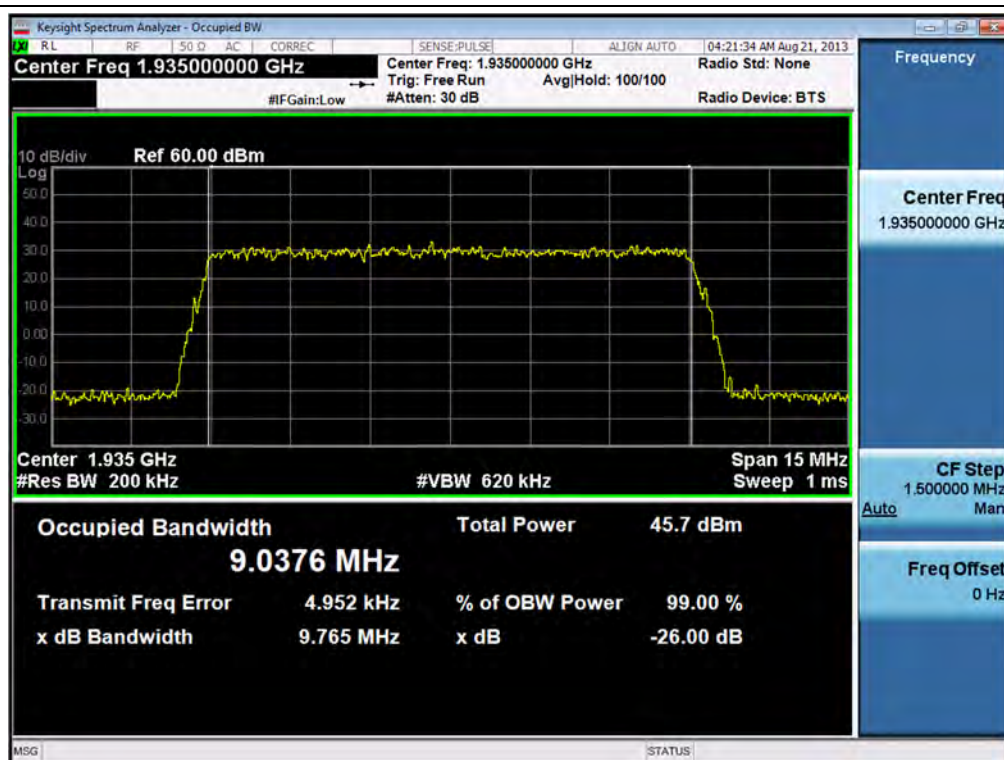
Port 15	QPSK	2115.00 + 2125.00 + 2140.00	38.2707	2175.00	8.971	47.241
	16QAM	2115.00 + 2125.00 + 2140.00	38.3109	2175.00	8.997	47.308
	64QAM	2115.00 + 2125.00 + 2140.00	38.3092	2175.00	8.998	47.307
	256QAM	2115.00 + 2125.00 + 2140.00	38.3456	2175.00	8.982	47.328
	QPSK	2115.00 + 2125.00 + 2140.00	38.3186	2175.00	8.992	47.311
	16QAM	2115.00 + 2125.00 + 2140.00	38.3082	2175.00	8.990	47.298
	64QAM	2115.00 + 2125.00 + 2140.00	38.3865	2175.00	8.993	47.380
	256QAM	2115.00 + 2125.00 + 2140.00	38.3724	2175.00	9.011	47.384
	QPSK	2115.00 + 2125.00 + 2140.00	38.3205	2175.00	8.987	47.308
	16QAM	2115.00 + 2125.00 + 2140.00	38.2400	2175.00	9.020	47.261
	64QAM	2115.00 + 2125.00 + 2140.00	38.3038	2175.00	9.000	47.304
	256QAM	2115.00 + 2125.00 + 2140.00	38.3255	2175.00	9.012	47.338
Port 16	QPSK	2115.00 + 2125.00 + 2140.00	38.3247	2175.00	9.030	47.354
	16QAM	2115.00 + 2125.00 + 2140.00	38.2928	2175.00	9.014	47.307
	64QAM	2115.00 + 2125.00 + 2140.00	38.3289	2175.00	9.024	47.353
	256QAM	2115.00 + 2125.00 + 2140.00	38.3129	2175.00	8.996	47.309
	QPSK	2115.00 + 2125.00 + 2140.00	38.3066	2175.00	8.998	47.305
	16QAM	2115.00 + 2125.00 + 2140.00	38.3746	2175.00	9.011	47.385
	64QAM	2115.00 + 2125.00 + 2140.00	38.3572	2175.00	9.003	47.360
	256QAM	2115.00 + 2125.00 + 2140.00	38.4020	2175.00	8.996	47.398
	QPSK	2115.00 + 2125.00 + 2140.00	38.3186	2175.00	9.005	47.324
	16QAM	2115.00 + 2125.00 + 2140.00	38.2874	2175.00	8.984	47.272
	64QAM	2115.00 + 2125.00 + 2140.00	38.3170	2175.00	9.018	47.335
	256QAM	2115.00 + 2125.00 + 2140.00	38.3000	2175.00	9.000	47.300

Plot Data of Occupied bandwidth

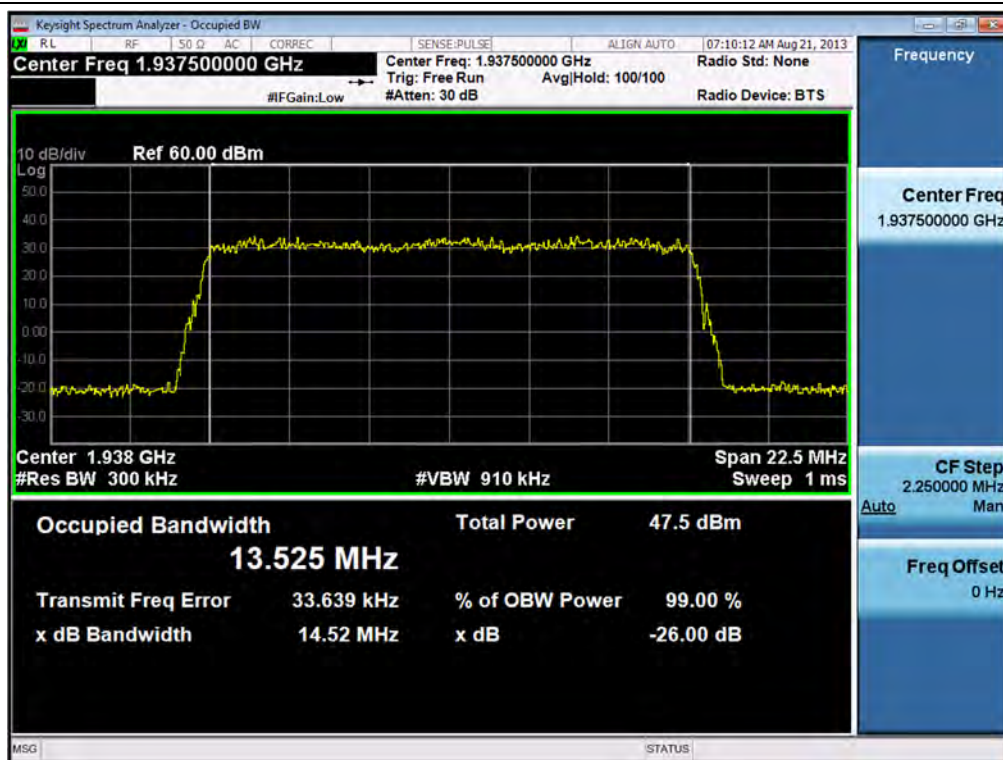
Port 8 / LTE Band 25 5 MHz 1 Carrier / 16QAM / Low



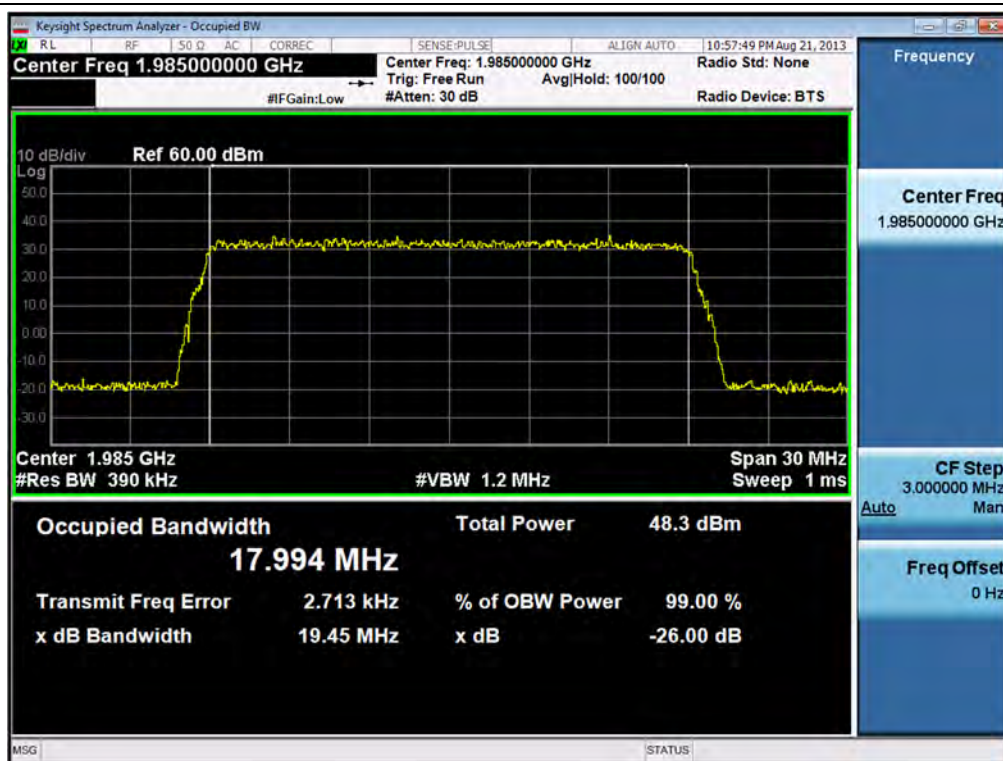
Port 13 / LTE Band 25 10 MHz 1 Carrier / 16QAM / Low



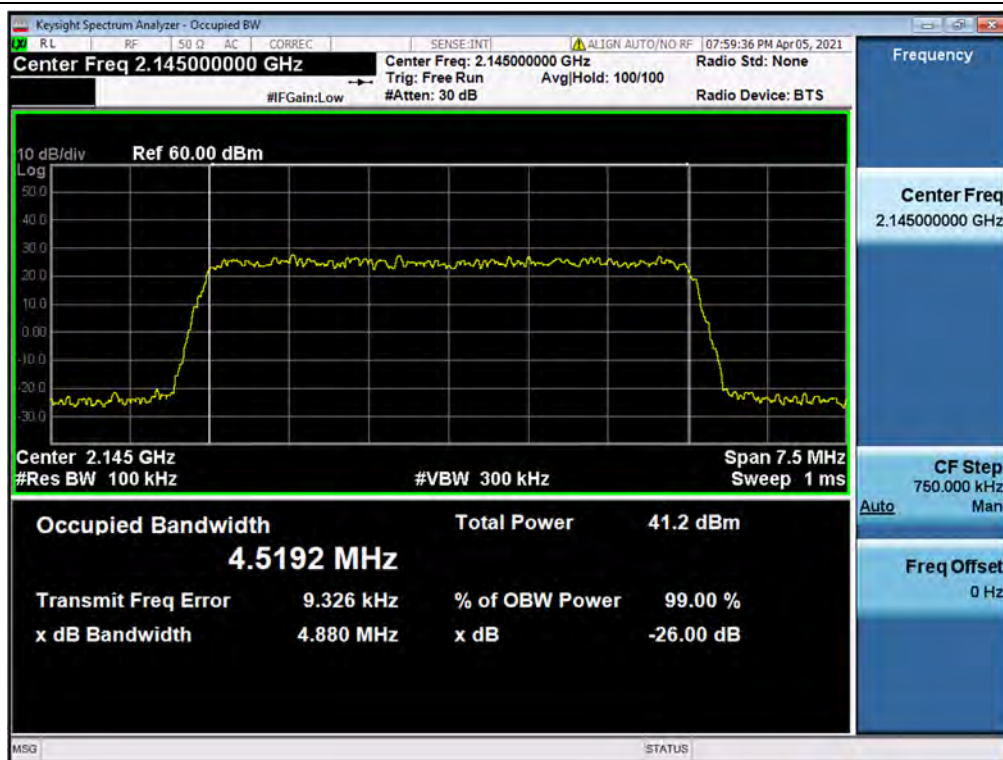
Port 7 / LTE Band 25 15 MHz 1 Carrier / 16QAM / Low



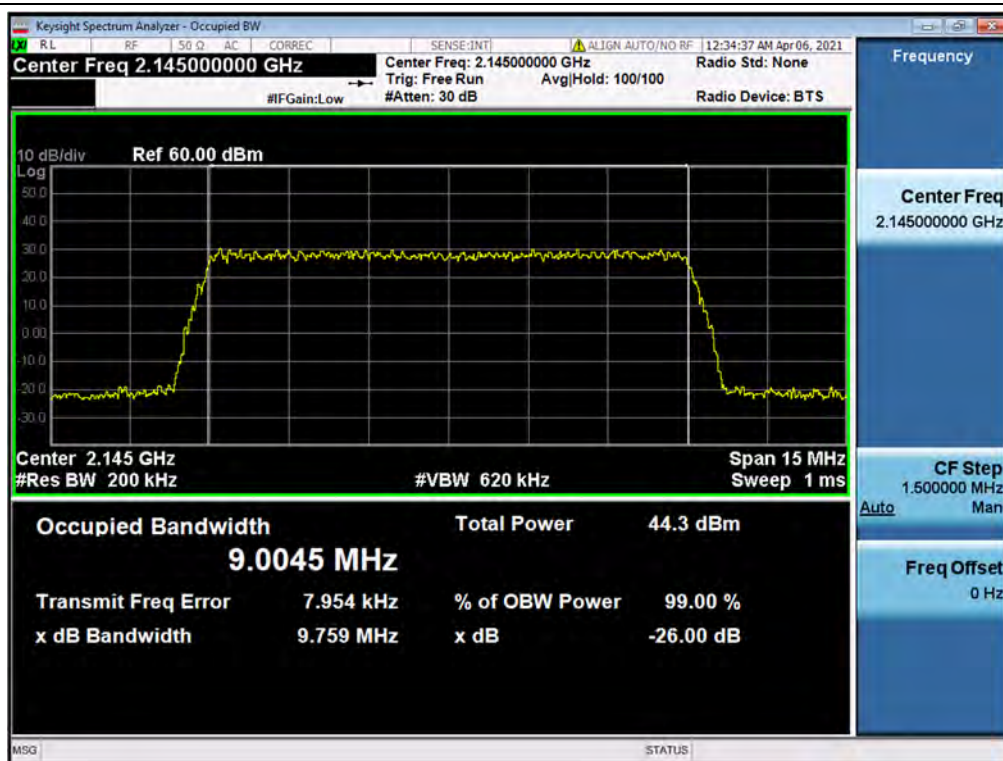
Port 13 / LTE Band 25 20 MHz 1 Carrier / 64QAM / High



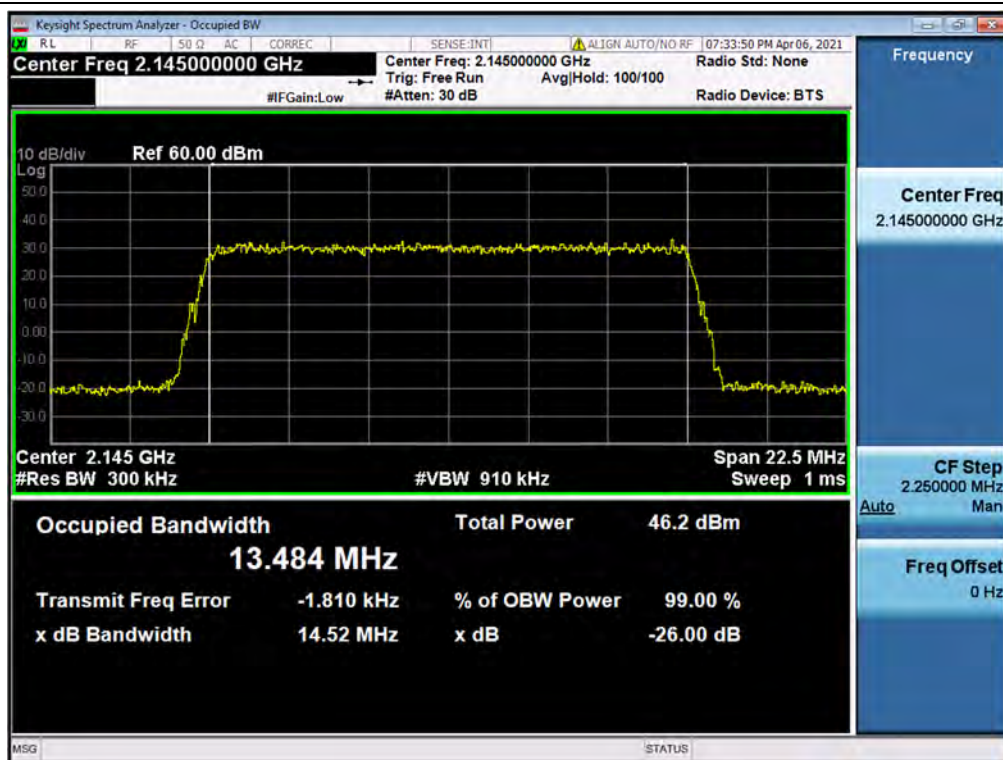
Port 8 / LTE Band 66 5 MHz 1 Carrier / 64QAM / Middle



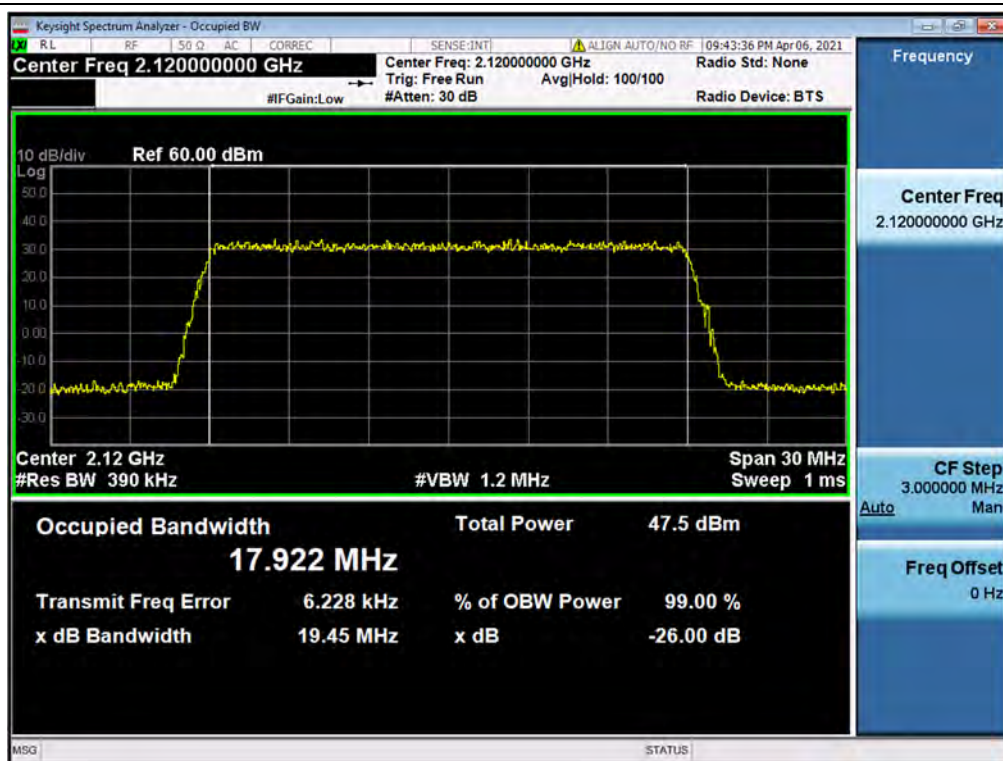
Port 8 / LTE Band 66 10 MHz 1 Carrier / 64QAM / Middle



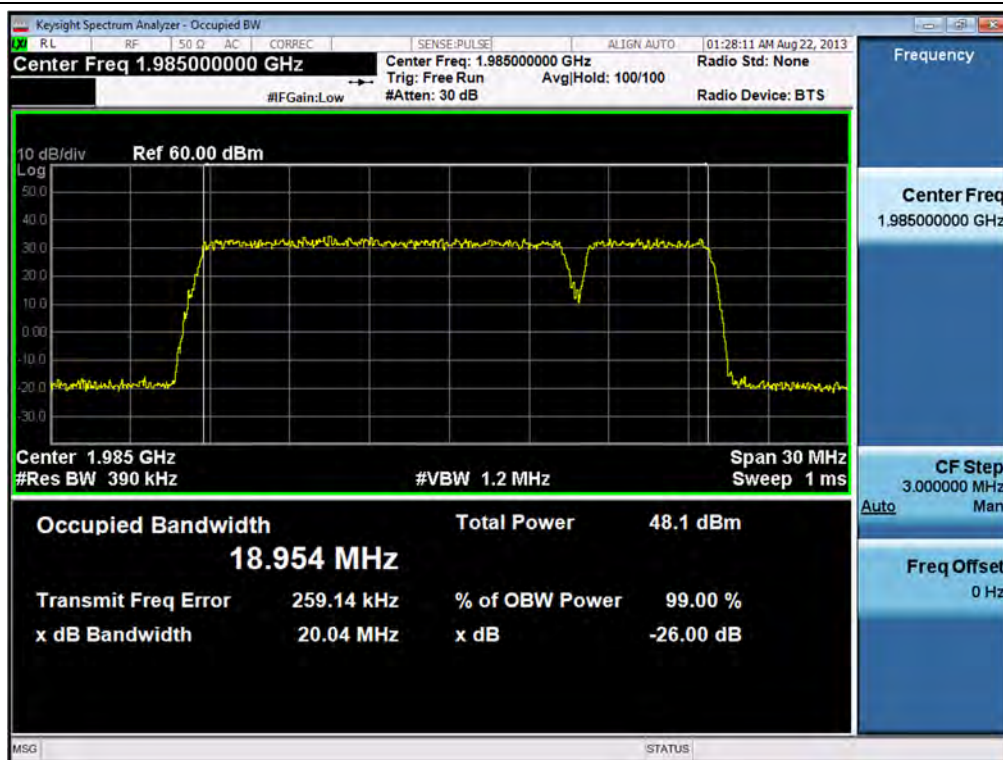
Port 8 / LTE Band 66 15 MHz 1 Carrier / 64QAM / Middle



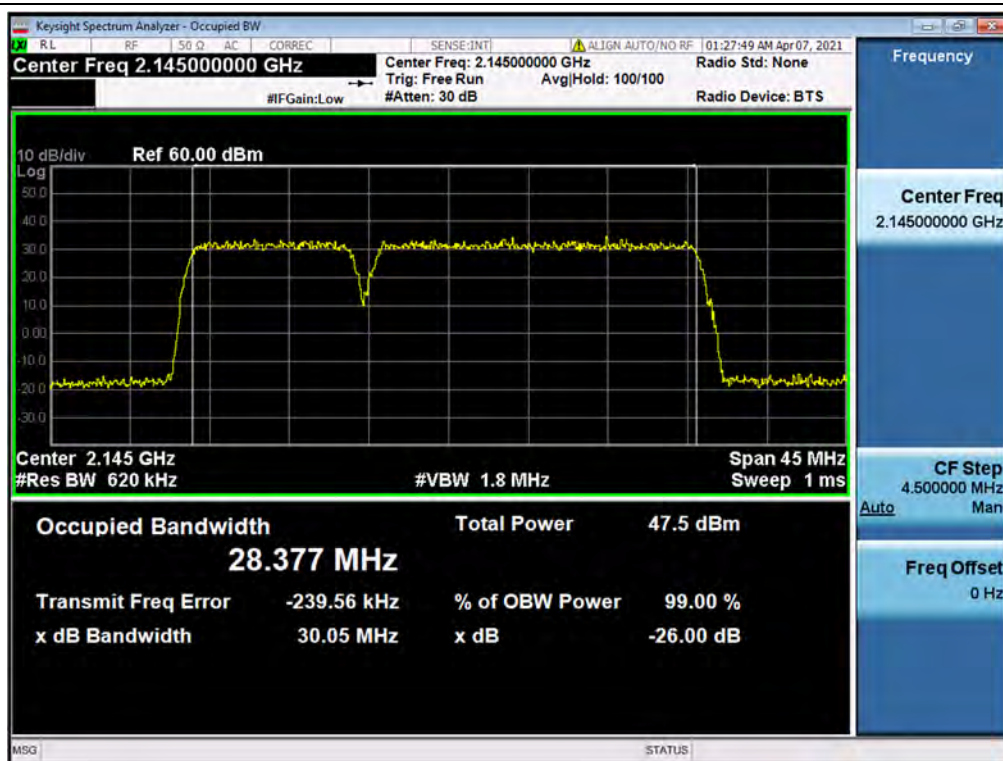
Port 2 / LTE Band 66 20 MHz 1 Carrier / QPSK / Low



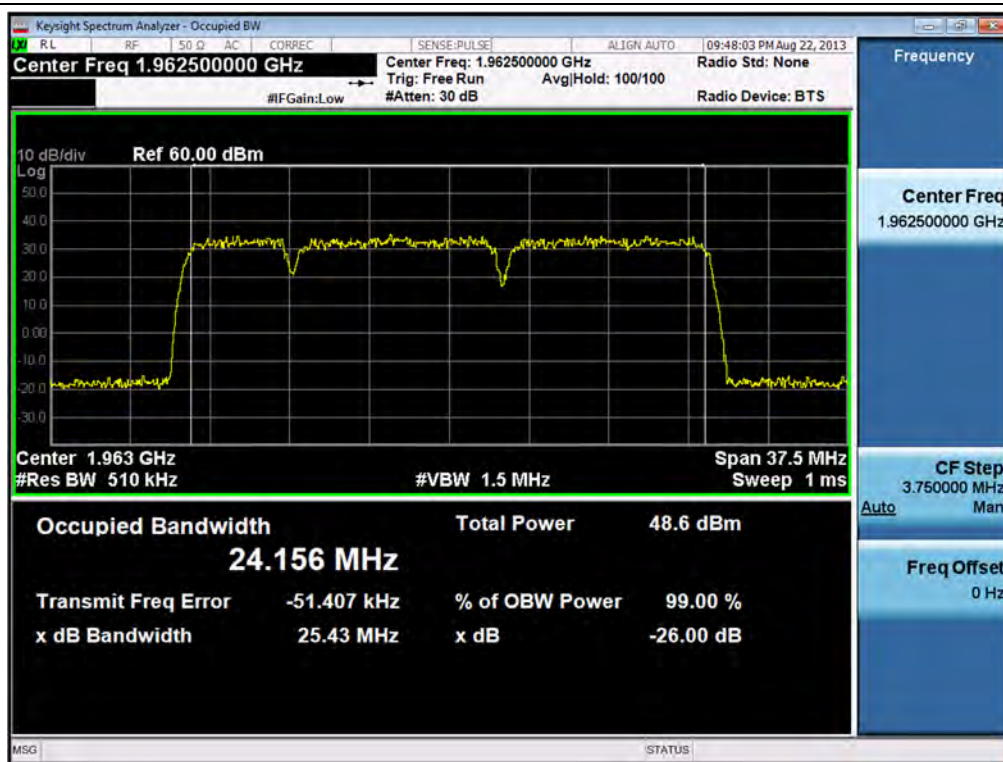
Port 13 / LTE Band 25 5 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier / 2 Carrier / 64QAM / High



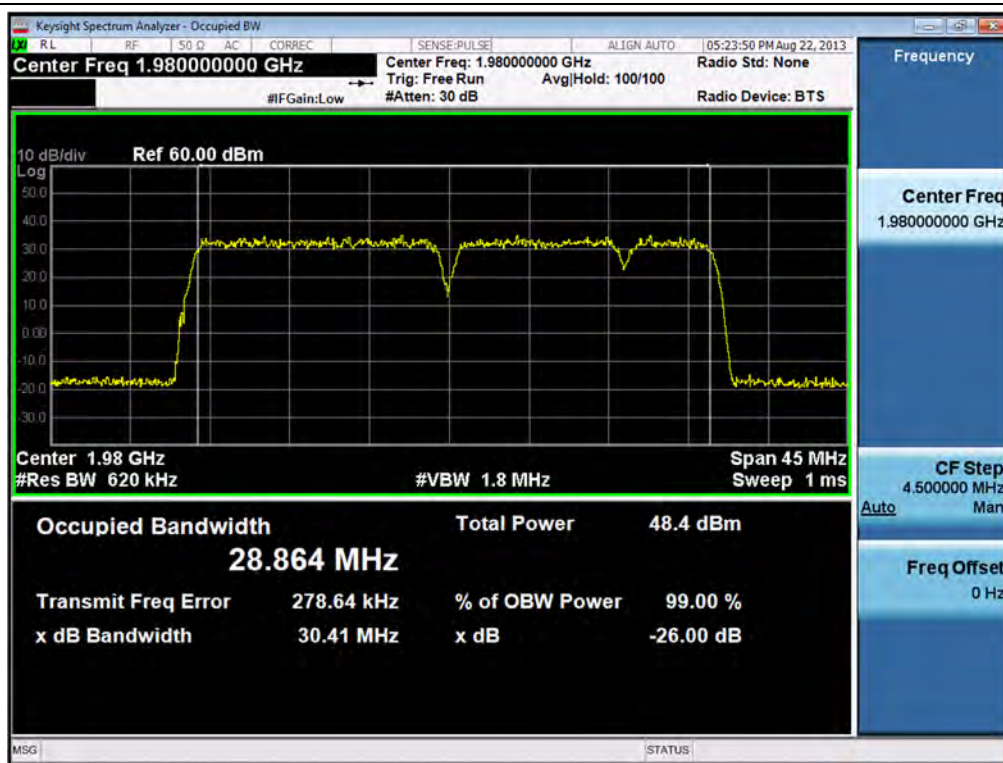
Port 8 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier / 2 Carrier / 64QAM / Middle



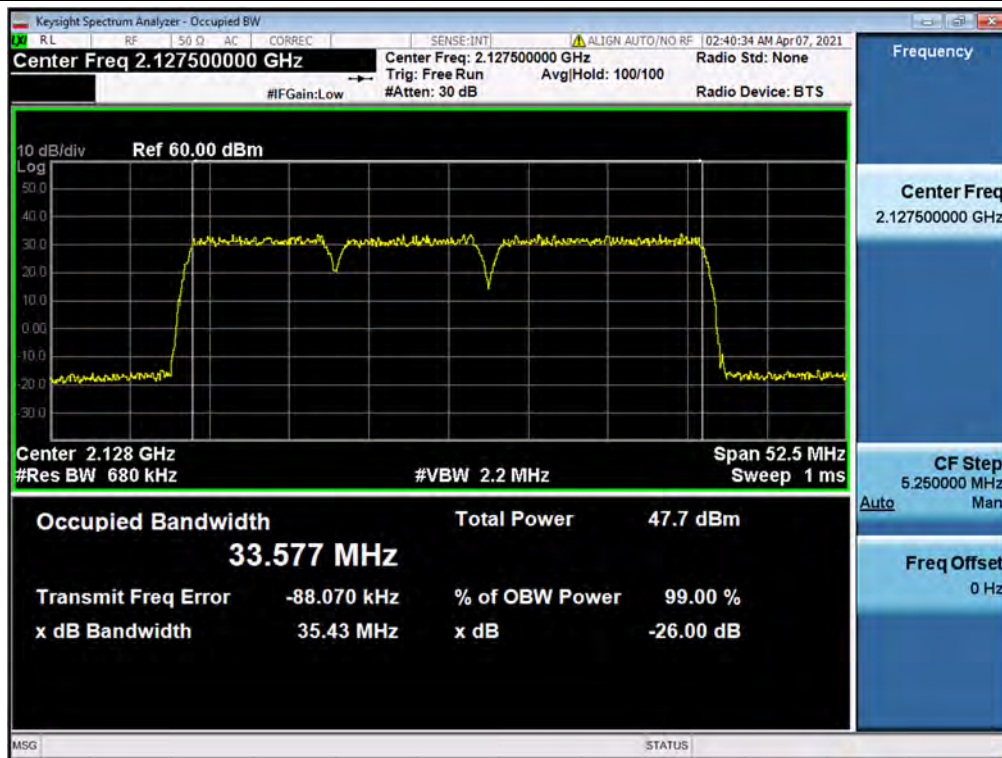
Port 7 / LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier / 3 Carrier / 16QAM / Middle



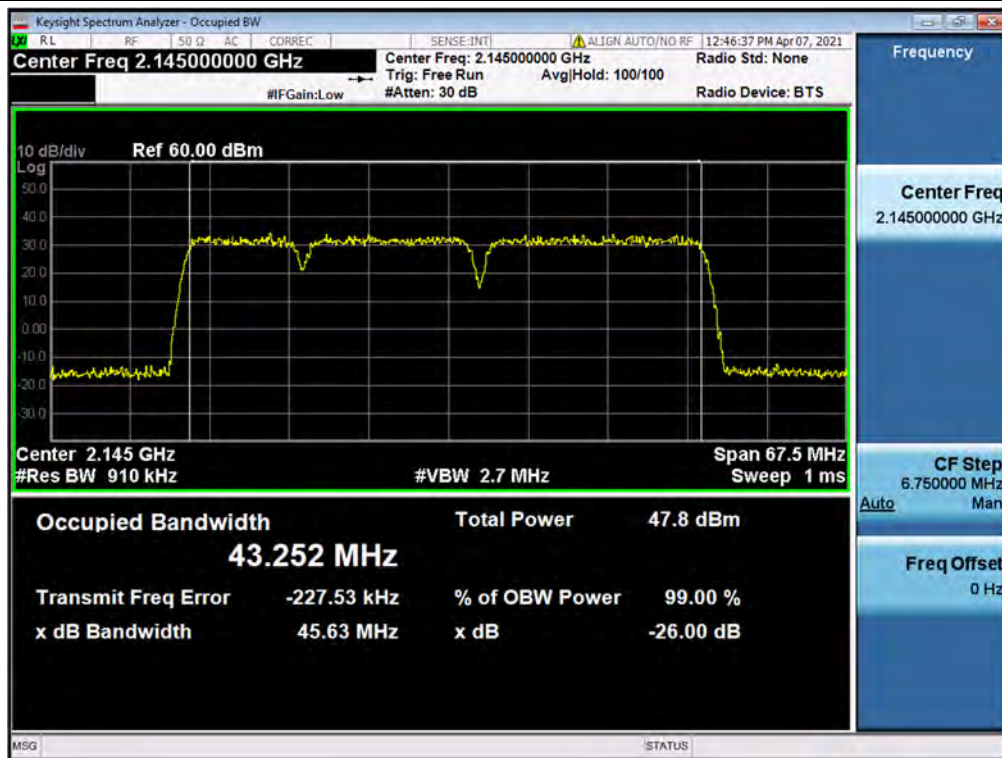
Port 9 / LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier / 3 Carrier / 256QAM / High



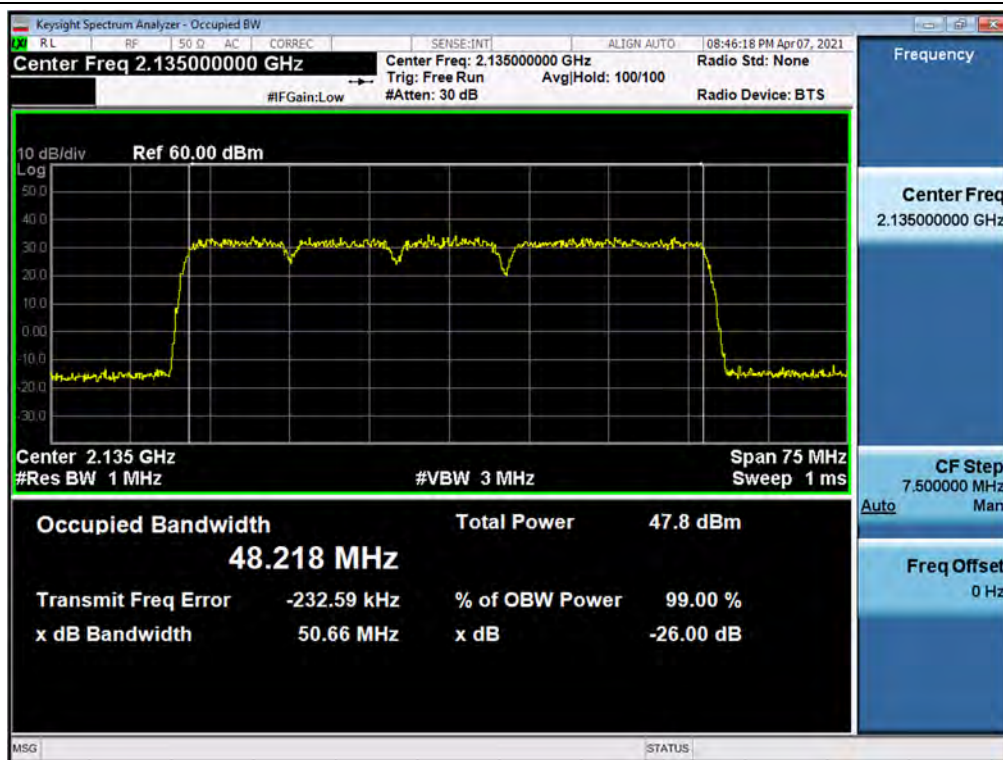
Port 6 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier / 3 Carrier / QPSK / Low



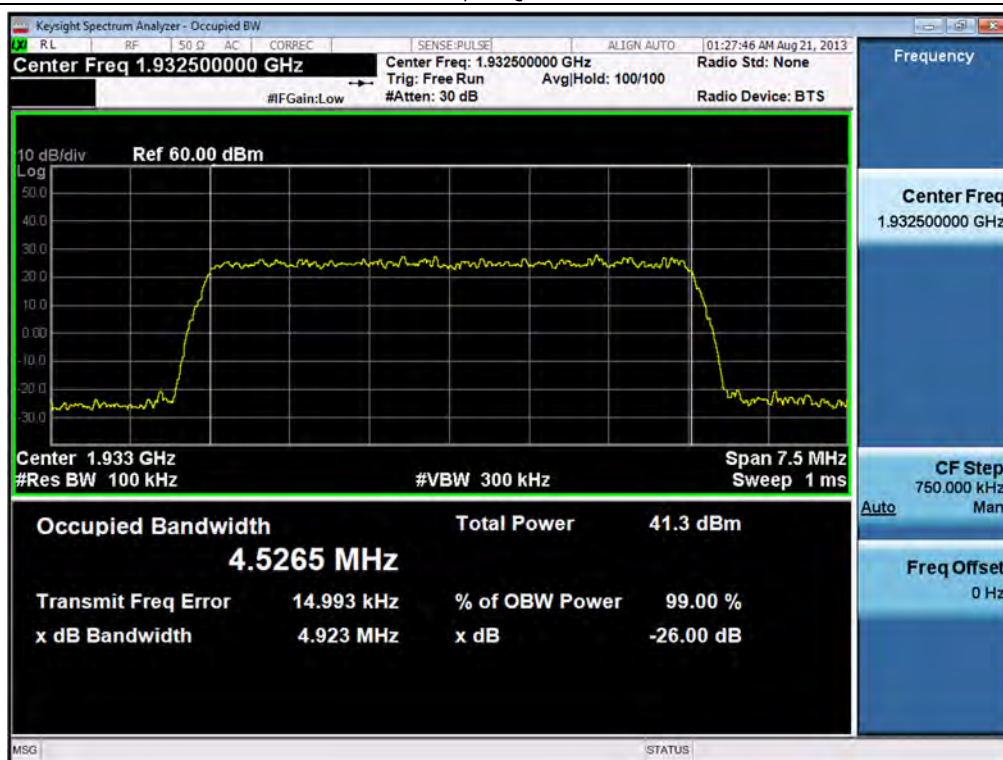
Port 6 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier / 3 Carrier / QPSK / Middle



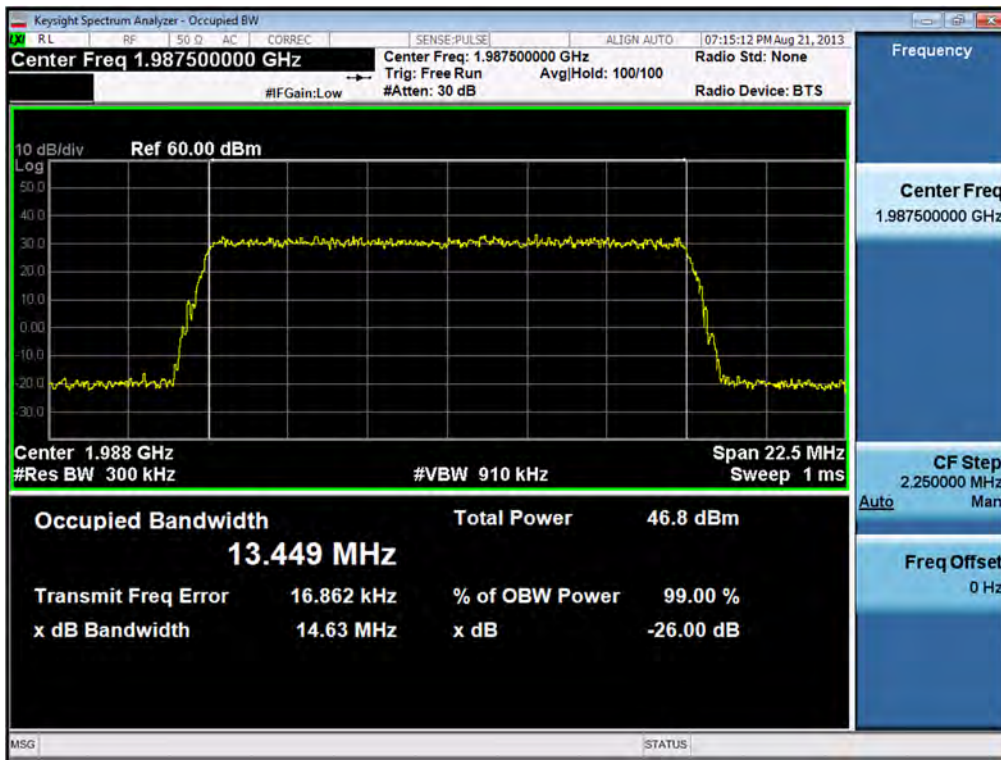
Port 3 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier
+ LTE Band 66 20 MHz 1 Carrier / 4 Carrier / QPSK / Low



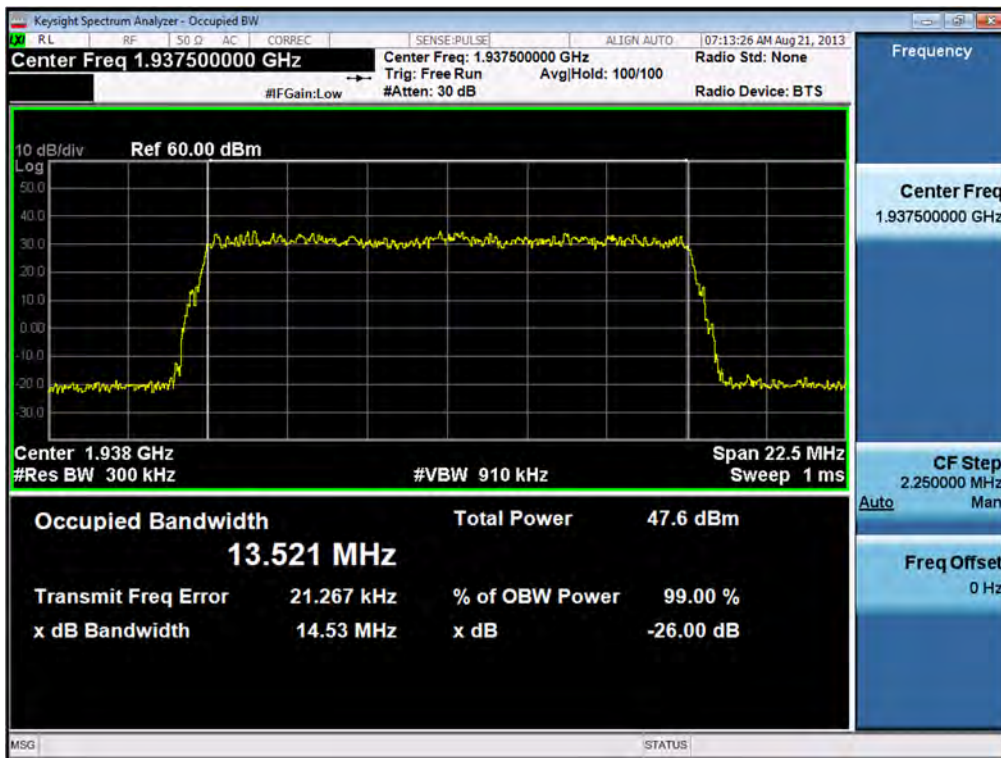
Port 13 / LTE Band 25 5 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier / 2 Carrier / [5 MHz] (Non-Contiguous)
/ 64QAM



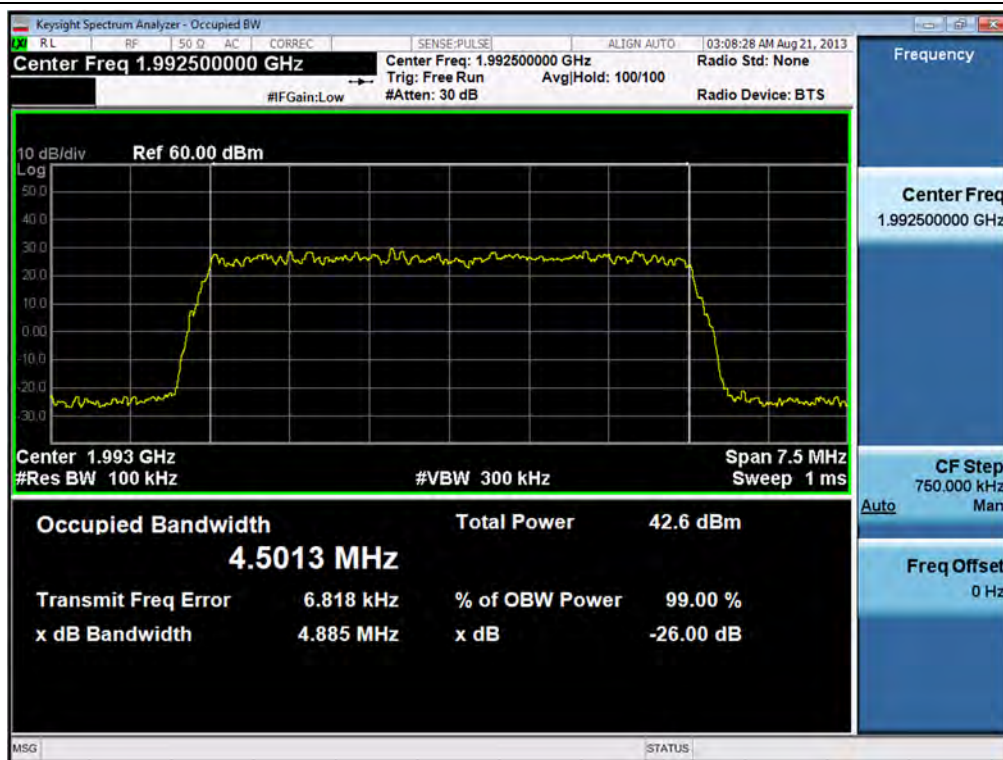
Port 13 / LTE Band 25 5 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier / 2 Carrier / [15 MHz] (Non-Contiguous)
/ 64QAM



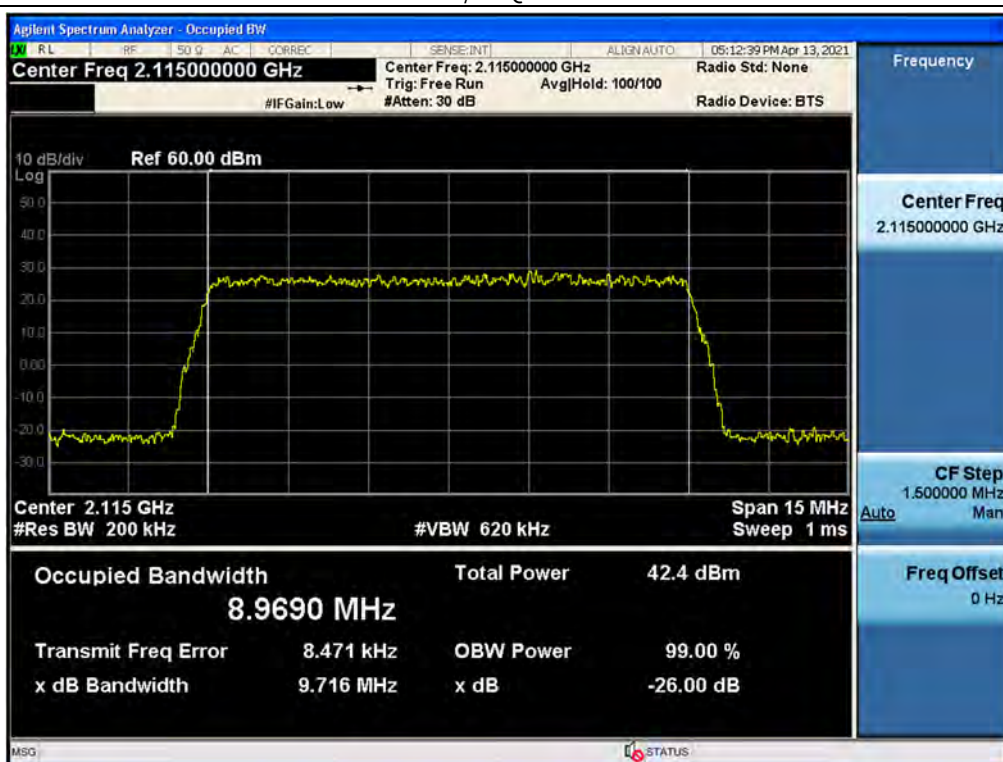
Port 13 / LTE Band 25 15 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier / 2 Carrier / [15 MHz] (Non-Contiguous)
/ 16QAM



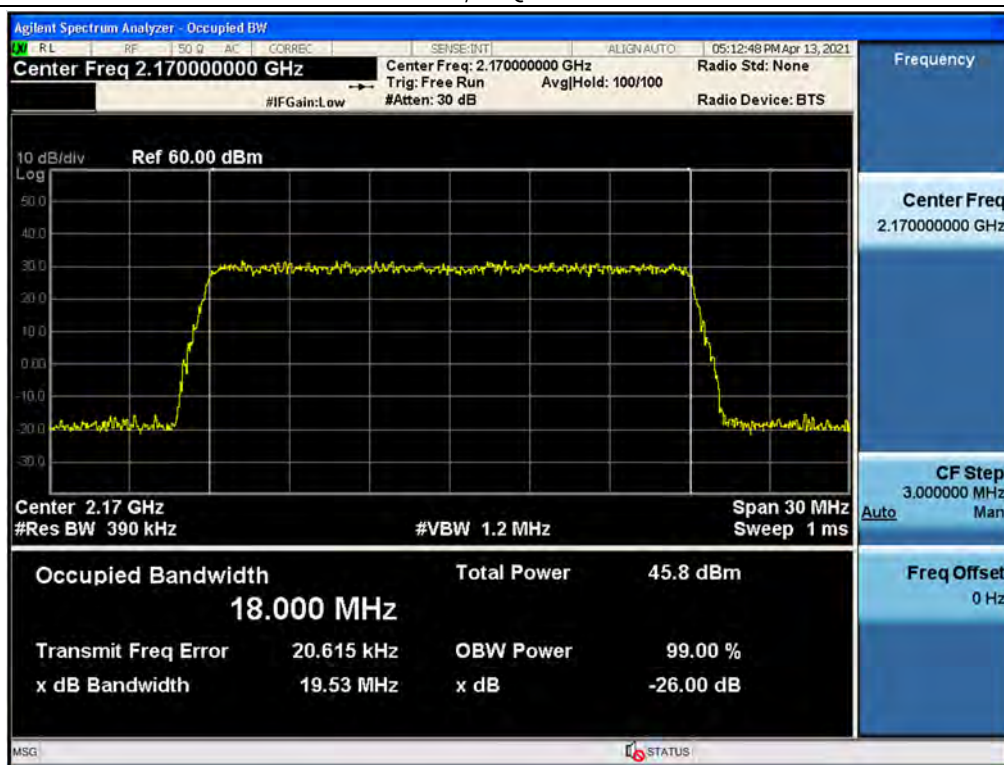
Port 13 / LTE Band 25 15 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier / 2 Carrier / [5 MHz] (Non-Contiguous)
/ 16QAM



Port 6 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier / 2 Carrier / [10 MHz] (Non-Contiguous)
/ 64QAM



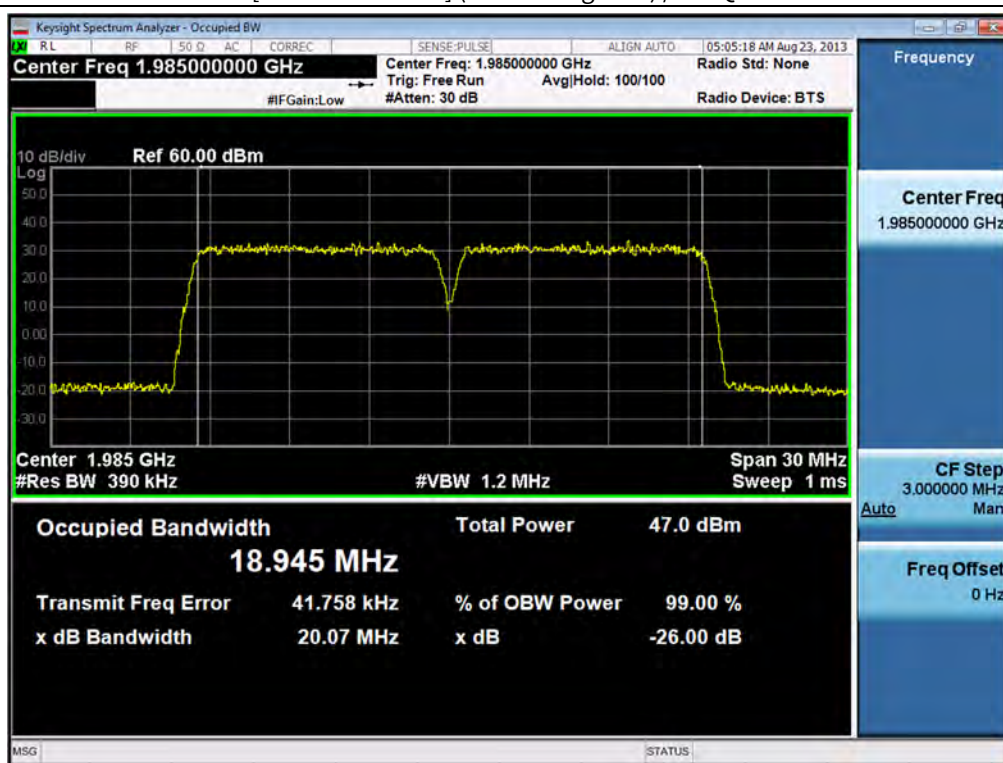
Port 6 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier / 2 Carrier / [20 MHz] (Non-Contiguous)
/ 64QAM



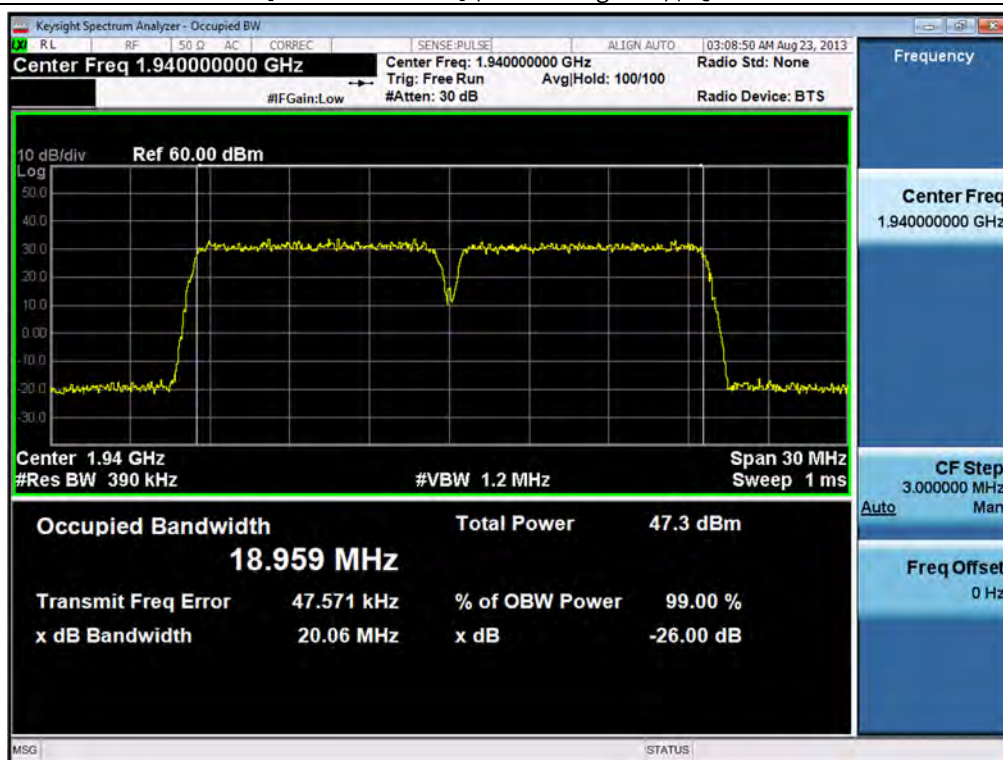
Port 15 / LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier / 3 Carrier /
[5 MHz] (Non-Contiguous) / 256QAM



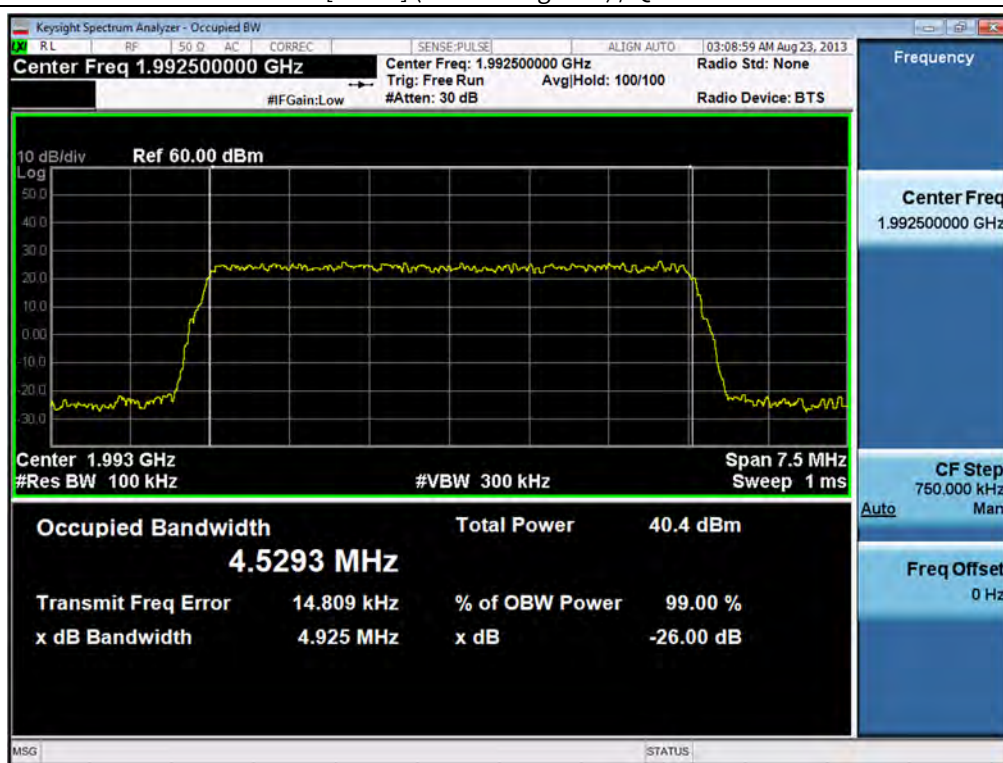
Port 15 / LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier / 3 Carrier / [10 MHz + 10 MHz] (Non-Contiguous) / 256QAM



Port 7 / LTE Band 25 10 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier / 3 Carrier / [10 MHz + 10 MHz] (Non-Contiguous) / QPSK



Port 7 / LTE Band 25 10 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier / 3 Carrier / [5 MHz] (Non-Contiguous) / QPSK



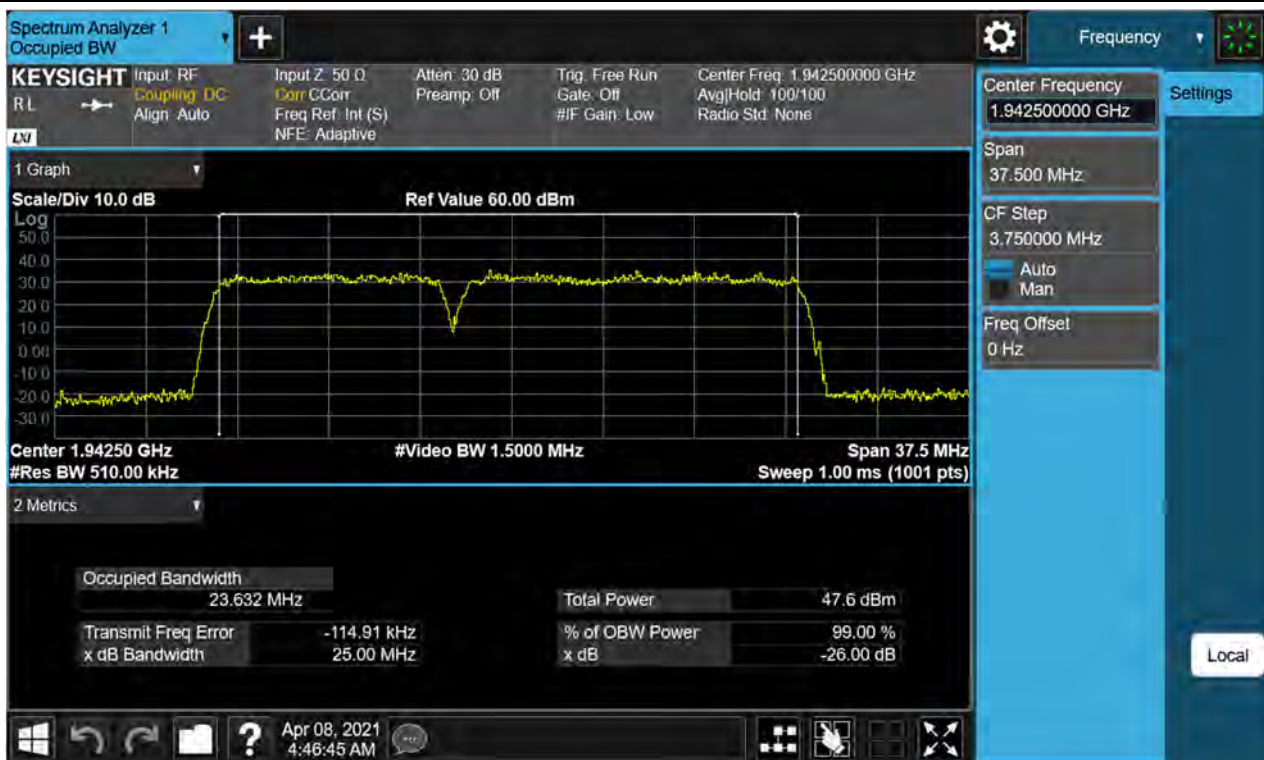
Port 13 / LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier / 3 Carrier / [5 MHz] (Non-Contiguous) / QPSK



Port 13 / LTE Band 25 5 MHz 1 Carrier + LTE Band 25 10 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier / 3 Carrier / [10 MHz + 15 MHz] (Non-Contiguous) / QPSK



Port 13 / LTE Band 25 10 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier / 3 Carrier / [10 MHz + 15 MHz] (Non-Contiguous) / 16QAM



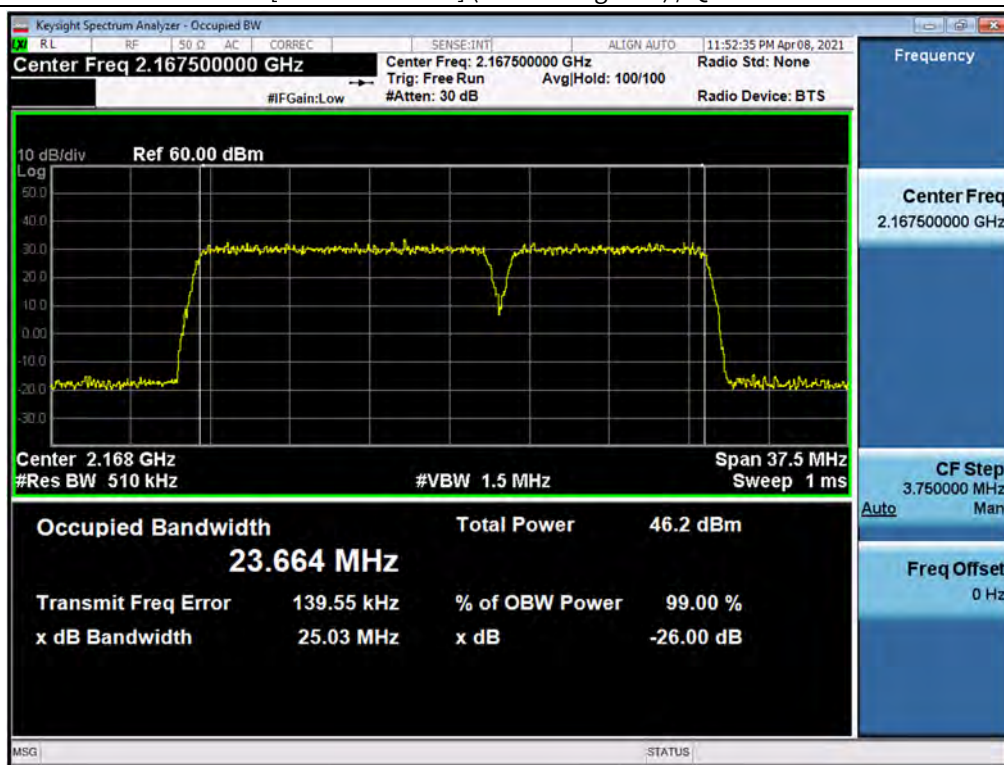
Port 13 / LTE Band 25 10 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier + LTE Band 25 5 MHz 1 Carrier / 3 Carrier / [5 MHz] (Non-Contiguous) / 16QAM



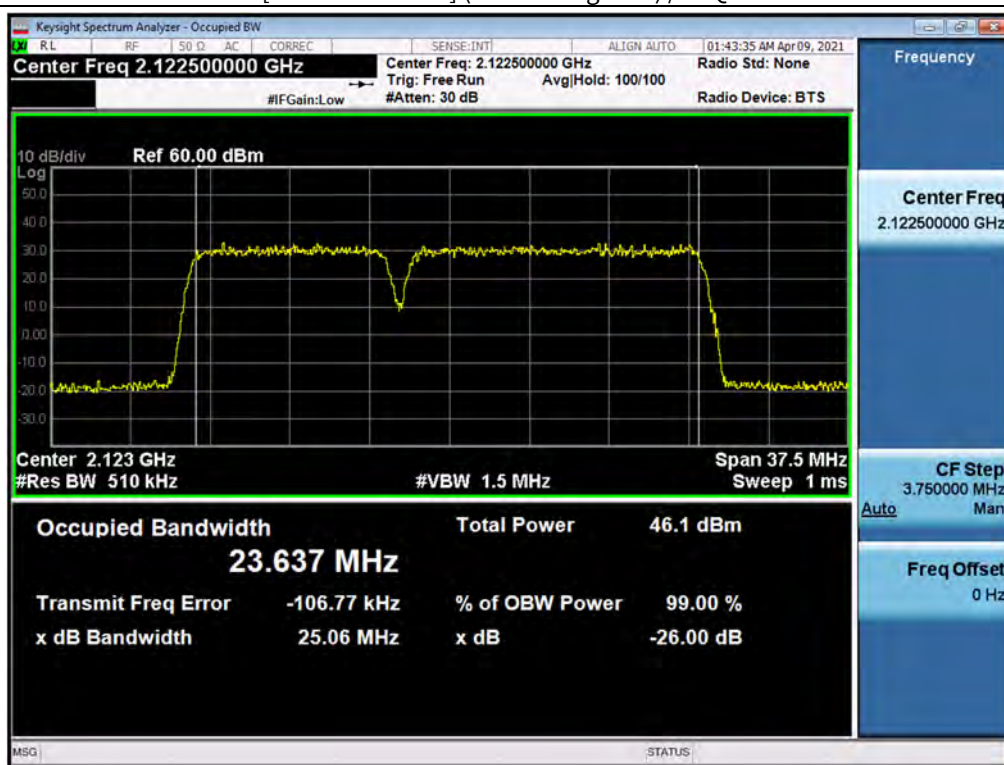
Port 1 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier / 3 Carrier / [15 MHz] (Non-Contiguous) / QPSK



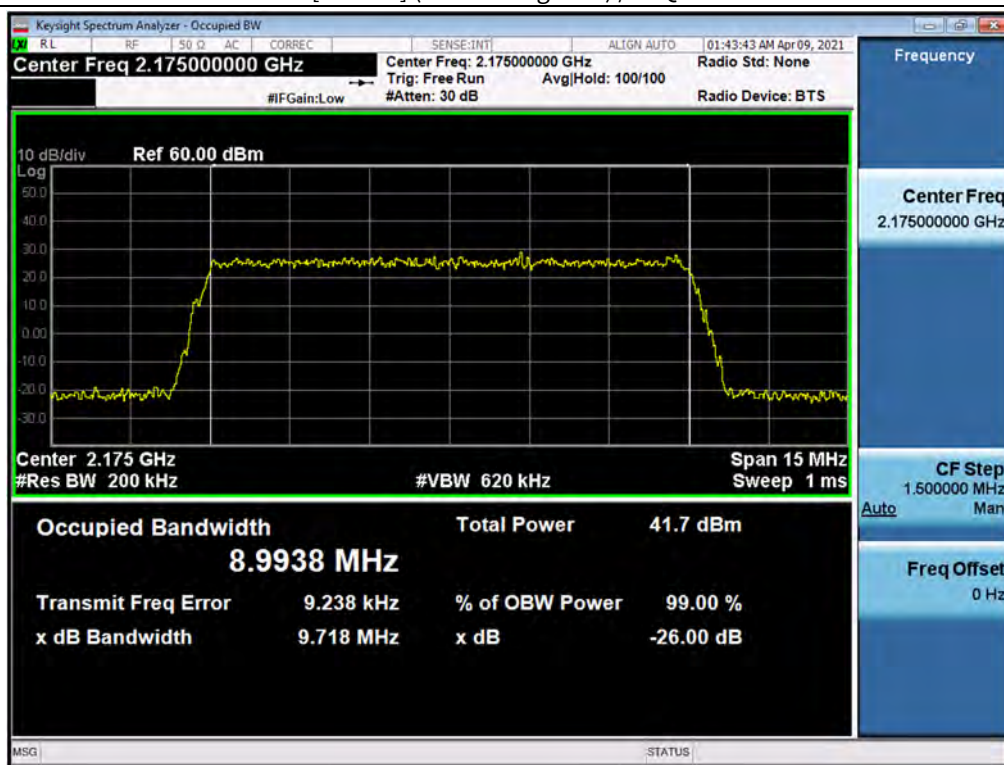
Port 1 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier / 3 Carrier /
[10 MHz + 10MHz] (Non-Contiguous) / QPSK



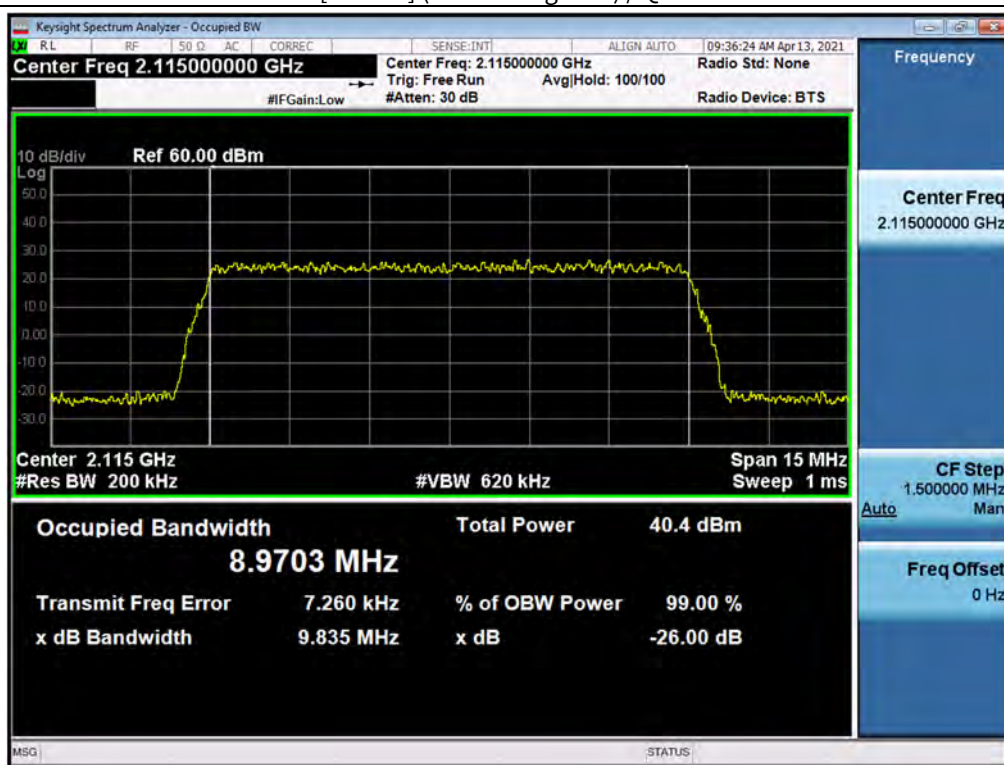
Port 8 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier / 3 Carrier /
[10 MHz + 15MHz] (Non-Contiguous) / 64QAM



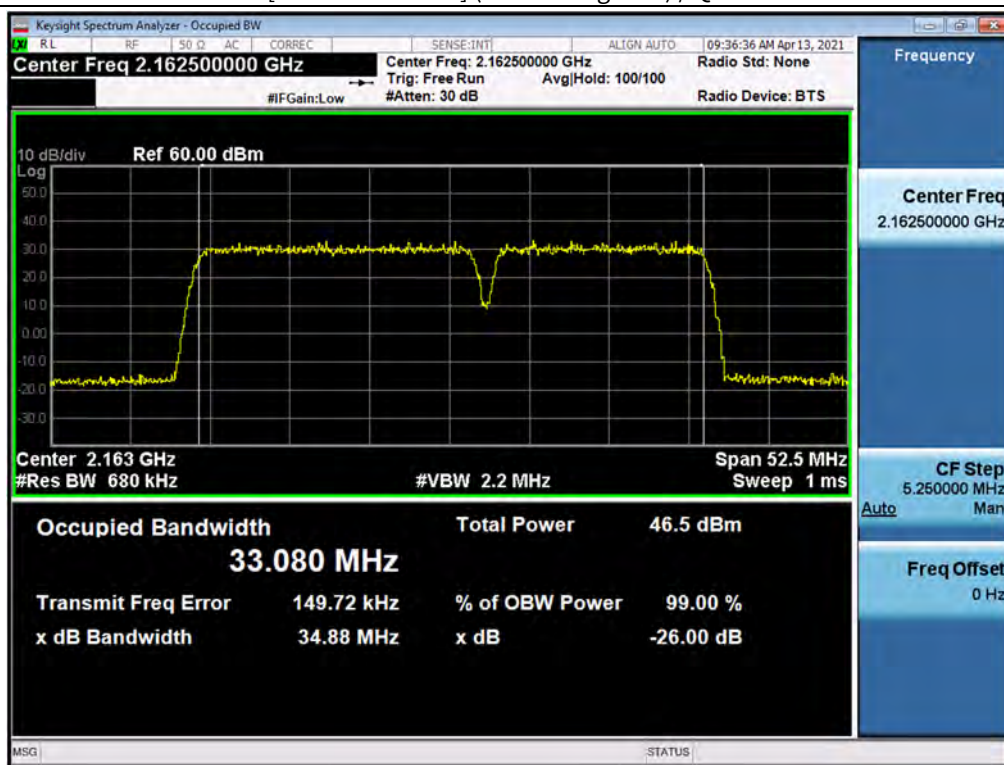
Port 8 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier / 3 Carrier / [10 MHz] (Non-Contiguous) / 64QAM



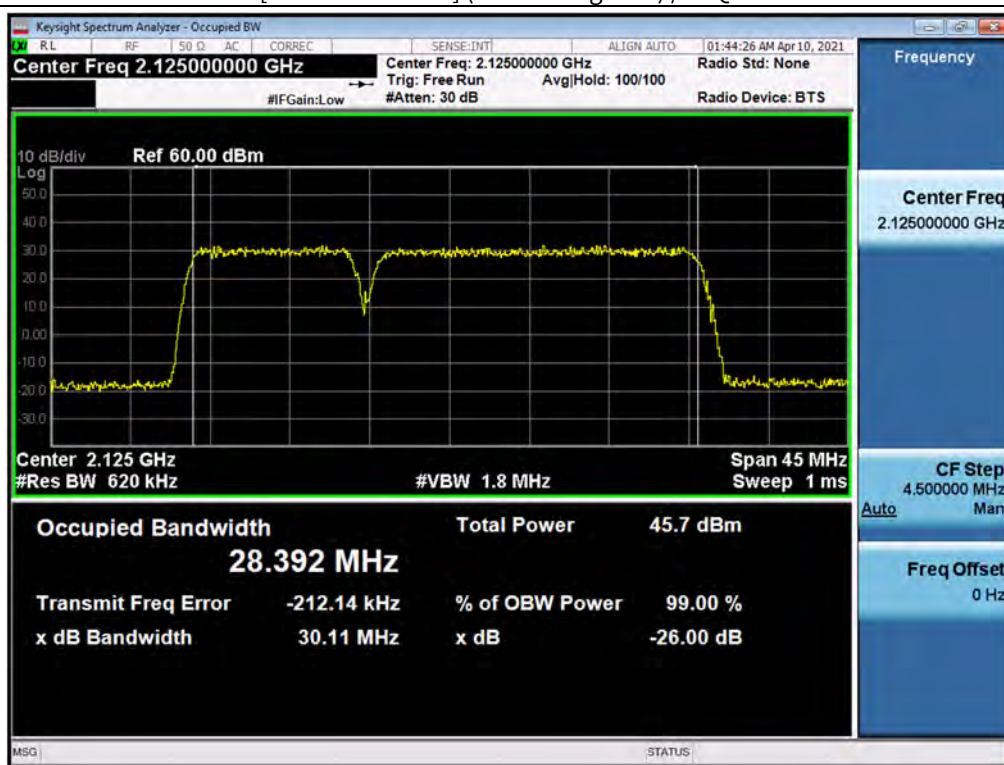
Port 6 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier / 3 Carrier / [10 MHz] (Non-Contiguous) / QPSK



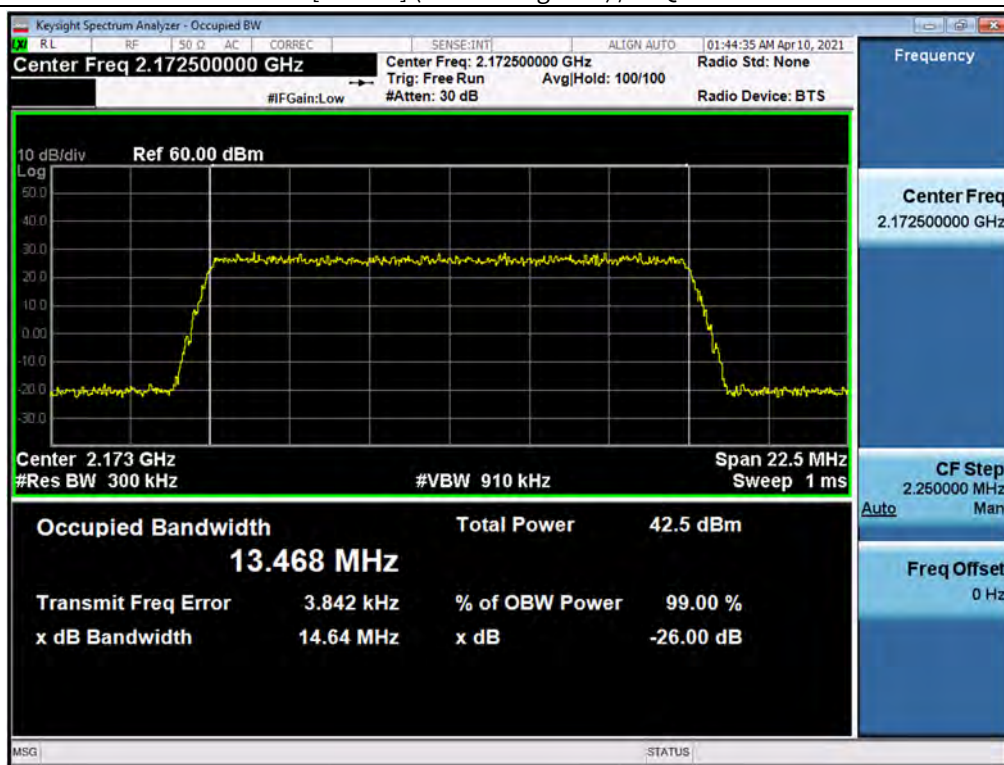
Port 6 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier / 3 Carrier /
[15 MHz + 20 MHz] (Non-Contiguous) / QPSK



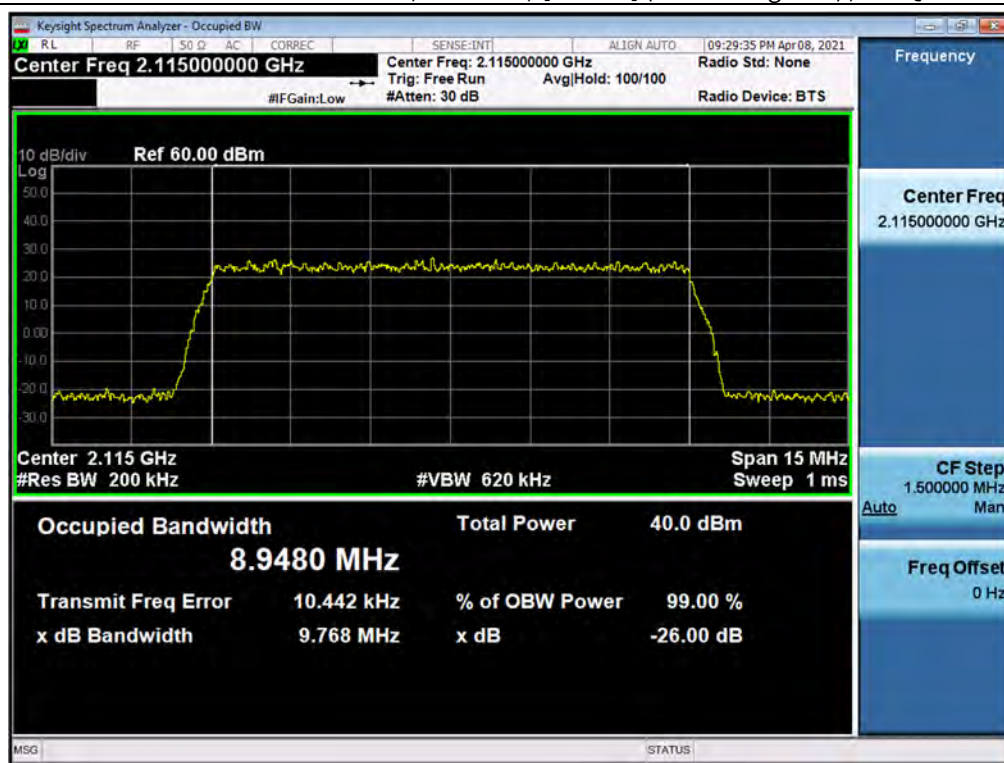
Port 8 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier / 3 Carrier /
[10 MHz + 20 MHz] (Non-Contiguous) / 64QAM



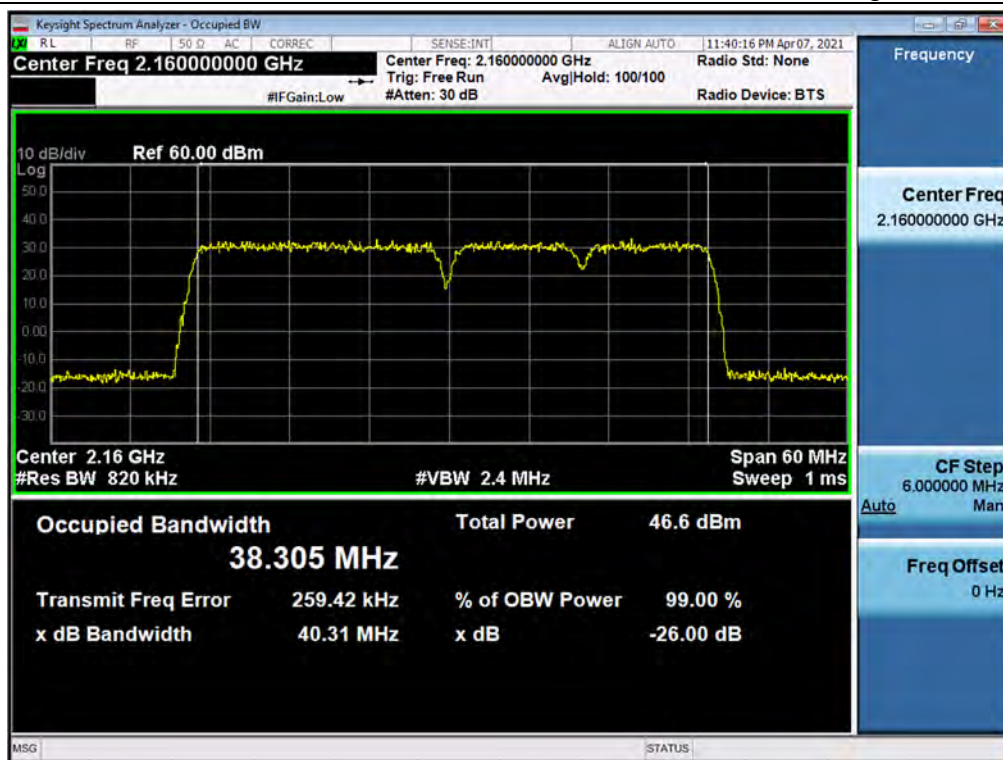
Port 8 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 15 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier / 3 Carrier / [15 MHz] (Non-Contiguous) / 64QAM



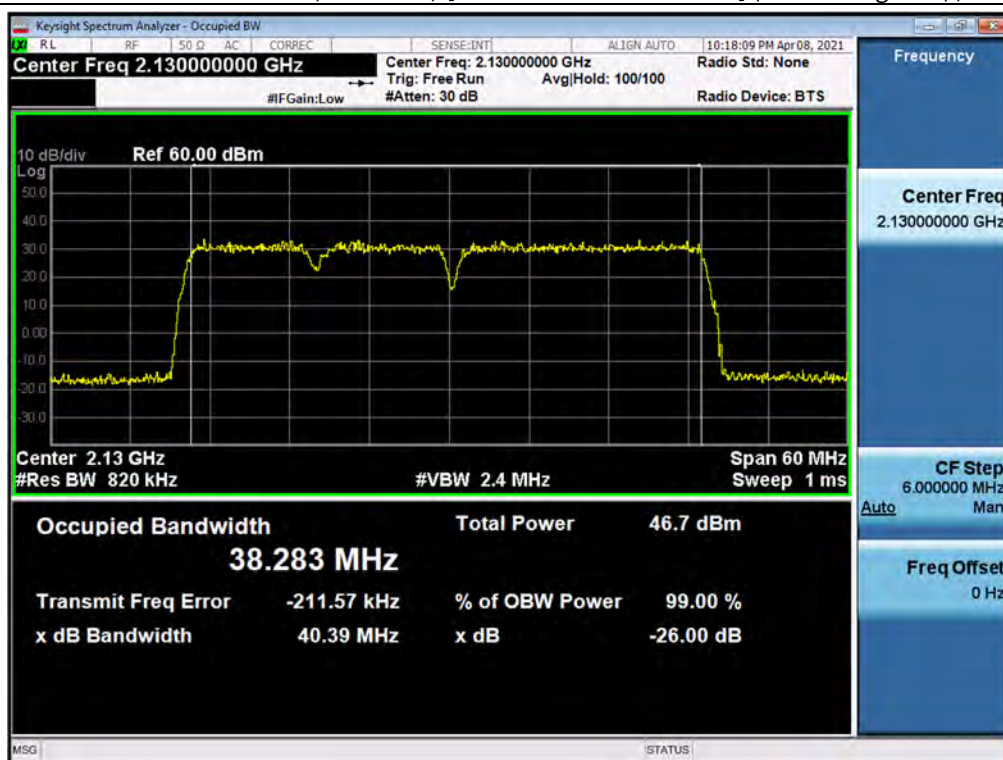
Port 8 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 20 MHz 1 Carrier / 4 Carrier / [10 MHz] (Non-Contiguous) / 256QAM



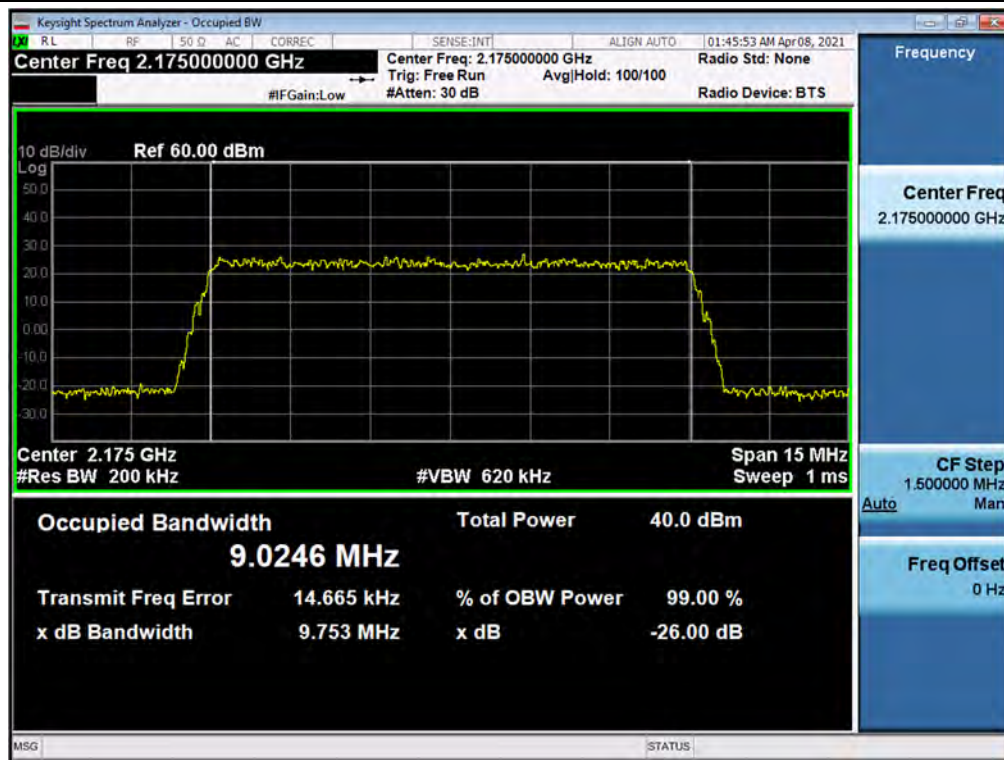
Port 8 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier
+ LTE Band 66 20 MHz 1 Carrier / 4 Carrier / [10 MHz + 10 MHz +20 MHz] (Non-Contiguous) / 256QAM



Port 8 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier
+ LTE Band 66 20 MHz 1 Carrier / 4 Carrier / [10 MHz + 10 MHz +20 MHz] (Non-Contiguous) / 64QAM



Port 8 / LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier + LTE Band 66 10 MHz 1 Carrier
+ LTE Band 66 20 MHz 1 Carrier / 4 Carrier / [10 MHz] (Non-Contiguous) / 64QAM



5.3. UNWANTED CONDUCTED EMISSIONS

Test Requirements:

§ 2.1051 Measurements required: Spurious emissions at antenna terminals.

The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in § 2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.

§ 24.238 Emission limitations for Broadband PCS equipment.

The rules in this section govern the spectral characteristics of emissions in the Broadband Personal Communications Service.

- (a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.
- (b) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 MHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

§ 27.53 Emission limits.

(h) AWS emission limits

- (1) General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.
- (3) Measurement procedure.
 - (i) Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.
 - (ii) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the licensee's frequency block edges, both upper and lower, as the design permits.
 - (iii) The measurements of emission power can be expressed in peak or average values, provided they are expressed in the same parameters as the transmitter power.

Test Procedures:

The measurement is performed in accordance with Section 5.7.3 and 5.7.4 of ANSI C63.26.

5.7.3 Out-of-band unwanted emissions measurements

- a) Set the spectrum analyzer center frequency to the block, band, or channel edge frequency.
- b) Set the span wide enough to capture the fundamental emission closest to the authorized block or band edge, and to include all modulation products that spill into the immediately adjacent frequency band. In some cases, it may be possible to set the center frequency and span so as to encompass the fundamental emission and the unwanted out-of-band (band-edge) emissions on either side of the authorized block, band, or channel. This can be accomplished with a single (slow) sweep, if adequate overload protection and sufficient dynamic range can be maintained.
- c) Set the number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$.
- d) Sweep time should be auto for peak detection. For rms detection the sweep time should be set as follows:
 - 1) If the device can be configured to transmit continuously (duty cycle $\geq 98\%$), set the (sweep time) $>$ (number of points in sweep) $\times$ (symbol period) (e.g., by a factor of $10 \times \text{symbol period} \times \text{number of points}$). Increasing the sweep time (i.e., slowing the sweep speed) will allow for averaging over multiple symbols
 - 2) If the device cannot be configured to transmit continuously (duty cycle $< 98\%$) and a freerunning sweep must be used, set the sweep time so that the averaging is performed over multiple on/off cycles by setting the sweep time $>$ (number of points in sweep) $\times$ (transmitter period) (i.e., the transmit on-time + the off-time). The spectrum analyzer readings shall subsequently be corrected by $[10 \log (1/\text{duty cycle})]$. This assumes that the transmission period and duty cycle is relatively constant (duty cycle variation $\leq \pm 2\%$).
 - 3) If the device cannot be configured to transmit continuously (duty cycle $< 98\%$) and a freerunning sweep must be used, set the sweep time so that the averaging is performed over multiple on/off cycles by setting the sweep time $>$ (number of points in sweep) $\times$ (transmitter period) (i.e., the transmit on-time + the off-time). The spectrum analyzer readings shall subsequently be corrected by $[10 \log (1/\text{duty cycle})]$. This assumes that the transmission period and duty cycle is relatively constant (duty cycle variation $\leq \pm 2\%$).
 - 4) If the device cannot be configured to transmit continuously and a free-running sweep must be used, and if the transmissions exhibit a non-constant duty cycle (duty cycle variations $> \pm 2\%$), set the sweep time so that the averaging is performed over the on-period by setting the sweep time $>$ (symbol period) $\times$ (number of points), while also maintaining the sweep time $<$ (transmitter on-time). The trace mode shall be set to max hold, since not every display point will be averaged only over just the on-time. Thus, multiple sweeps (e.g., 100) in maximum hold are necessary to ensure that the maximum power is measured.
- e) The test report shall include the plots of the measuring instrument display and the measured data.
- f) See Annex I for example emission mask plots.

5.7.4 Spurious unwanted emission measurements

- a) Set the spectrum analyzer start frequency to the lowest frequency generated by the EUT, without going below 9 kHz, and the stop frequency to the lower frequency covered by the measurements previously performed in 5.7.3. As an alternative, the stop frequency can be set to the value specified in 5.1.1, depending on the EUT operating range, if the resulting plot can clearly demonstrate compliance for all frequencies not addressed by the out-of-band emissions measurements performed as per 5.7.3.
- b) When using an average power (rms) detector, ensure that the number of points in the sweep $\geq 2 \times (\text{span} / \text{RBW})$. This may require that the measurement range defined by the start and stop frequencies be subdivided, depending on the spectrum analyzer capabilities. This requirement does not apply to peak-detected power measurements. When average power is specified by the applicable regulation, a peak-detector can be utilized for preliminary measurements to accommodate wider frequency spans. Any emissions found in the preliminary measurement to exceed the applicable limit(s) shall be further examined using a power averaging (rms) detector with the minimum number of measurement points as defined above.
- c) The sweep time should be set to auto-couple for performing peak-detector measurements. For measurements that use a power averaging (rms) detector, the sweep time shall be set as described for out-of-band emissions measurements in item d) of 5.7.3.
- d) Identify and measure the Highest spurious emission levels in each frequency range. It is not necessary to re-measure the out-of-band emissions as a part of this test. Record the frequencies and amplitudes corresponding to the measured emissions and capture the data plots.
- e) Repeat step b) through step d) for the upper spurious emission frequency range if not already captured by a wide span measurement performed as per the alternative provided in step a). The upper frequency for this measurement is defined in 5.1.1 as a function of the EUT operating range.
- f) Compare the results with the corresponding limit in the applicable regulation.
- g) The test report shall include the data plots of the measuring instrument display and the measured data.

Note:

- 1) In 9 kHz to 30 MHz band, RBW narrower than reference bandwidth is used. So following correction factor is applied.
 $10 \log [(reference\ bandwidth)/(resolution\ bandwidth)]$
: 9 kHz to 150 kHz applied 1 kHz RBW, $10 \log (1\ kHz / 1\ MHz) = -30\ dB$
: 150 kHz to 30 MHz applied 10 kHz RBW, $10 \log (10\ kHz / 1\ MHz) = -20\ dB$
- 2) Due to MIMO operations, a correction has been added to the limit according to KDB 662911 D01 v02r01.
- MIMO correction: $10 \log(NANT) = 10 \log(16) = 12.04\ dB$
- 3) Only MIMO correction was applied to the result table limit.
- Limit = $10 \log [(reference\ bandwidth)/(resolution\ bandwidth)] - MIMO\ Correction\ value$
= $-13\ dBm - 12.04\ dB = -25.04\ dBm$
- 4) All corrections including RBW and MIMO were applied to limit shown in plot.
- Limit for 9 kHz to 150 kHz = $-13\ dBm - 12.04\ dB - 30\ dB = -55.04\ dBm$
- Limit for 150 kHz to 30 MHz = $-13\ dBm - 12.04\ dB - 20\ dB = -45.04\ dBm$
- 5) The results of Unwanted Conducted Emissions test shown the measured values are very small and similar trend for each port, so we are attached only the worst case plot.

Test Results:
Tabular Data of Unwanted Conducted Emissions

LTE Band 25 5 MHz 1 Carrier

Test Result for Output Port 8

Mod.	Channel	Measured Level (dBm)						
		9 kHz	150 kHz	30 MHz	Low Edge	High Edge	High Edge	10 GHz
		~ 150 kHz	~ 30 MHz	~ Low Edge - 100 MHz	~ - 100 MHz Low Edge	~ High Edge + 100 MHz	~ + 100 MHz 10 GHz	~ 26.5 GHz
QPSK	Low	-46.688	-55.020	-32.706	-41.221	-29.897	-28.702	-26.495
16QAM	Low	-48.647	-53.651	-32.429	-41.279	-29.973	-29.461	-26.148
64QAM	Low	-46.549	-55.101	-31.865	-41.556	-29.601	-28.458	-26.433
256QAM	Low	-48.902	-53.865	-32.428	-41.549	-29.879	-28.484	-26.096

Test Result for Output Port 13

Mod.	Channel	Measured Level (dBm)						
		9 kHz	150 kHz	30 MHz	Low Edge	High Edge	High Edge	10 GHz
		~ 150 kHz	~ 30 MHz	~ Low Edge - 100 MHz	~ - 100 MHz Low Edge	~ High Edge + 100 MHz	~ + 100 MHz 10 GHz	~ 26.5 GHz
QPSK	Middle	-49.146	-52.930	-30.947	-32.122	-29.567	-28.017	-26.084
16QAM	Middle	-46.299	-54.910	-30.904	-31.917	-29.293	-28.673	-25.978
64QAM	Middle	-45.172	-53.616	-31.218	-32.099	-29.419	-28.463	-26.293
256QAM	Middle	-46.995	-54.040	-31.660	-32.006	-29.565	-28.117	-26.208

Test Result for Output Port 14

Mod.	Channel	Measured Level (dBm)						
		9 kHz	150 kHz	30 MHz	Low Edge	High Edge	High Edge	10 GHz
		~ 150 kHz	~ 30 MHz	~ Low Edge - 100 MHz	~ - 100 MHz Low Edge	~ High Edge + 100 MHz	~ + 100 MHz 10 GHz	~ 26.5 GHz
QPSK	High	-49.717	-53.602	-32.135	-31.022	-33.467	-27.732	-25.858
16QAM	High	-49.974	-53.254	-31.779	-31.128	-33.767	-28.004	-25.634
64QAM	High	-49.325	-53.688	-32.174	-31.368	-34.023	-27.627	-25.880
256QAM	High	-49.293	-54.496	-32.089	-31.023	-33.926	-27.038	-25.798

LTE Band 25 10 MHz 1 Carrier

Test Result for Output Port 7

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge - 100 MHz	Low Edge - 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Middle	-44.885	-50.691	-34.407	-30.087	-28.496	-30.942	-26.605
16QAM	Middle	-45.193	-50.468	-34.582	-30.606	-28.384	-30.627	-26.952
64QAM	Middle	-44.227	-50.682	-34.301	-28.854	-28.741	-30.601	-26.611
256QAM	Middle	-45.227	-50.339	-34.808	-29.198	-29.012	-29.482	-26.350

Test Result for Output Port 13

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge - 100 MHz	Low Edge - 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-46.036	-53.256	-35.331	-31.608	-28.025	-30.921	-26.915
	High	-46.863	-51.924	-34.330	-30.232	-30.142	-31.118	-26.811
16QAM	Low	-45.401	-53.849	-34.591	-31.766	-27.673	-30.572	-26.892
	High	-45.588	-51.896	-35.174	-30.394	-30.959	-30.532	-27.342
64QAM	Low	-45.503	-53.294	-34.714	-32.006	-28.591	-31.054	-26.501
	High	-47.451	-52.152	-34.925	-30.377	-30.300	-29.897	-25.899
256QAM	Low	-46.592	-53.327	-35.072	-32.419	-28.453	-31.569	-27.301
	High	-47.108	-53.072	-35.265	-31.003	-30.890	-31.681	-27.151

LTE Band 25 15 MHz 1 Carrier

Test Result for Output Port 7

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge - 100 MHz	Low Edge - 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-45.158	-49.370	-33.435	-31.987	-28.162	-30.996	-27.147
16QAM	Low	-46.199	-50.334	-33.241	-31.943	-28.086	-30.396	-26.151
64QAM	Low	-44.554	-50.534	-33.460	-32.420	-28.459	-30.730	-27.675
256QAM	Low	-46.540	-51.391	-35.732	-31.491	-29.064	-31.098	-26.967

Test Result for Output Port 13

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge - 100 MHz	Low Edge - 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Middle	-44.978	-50.981	-34.639	-28.845	-27.914	-30.226	-26.949
	High	-48.227	-51.792	-32.978	-30.071	-31.607	-30.680	-26.876
16QAM	Middle	-45.413	-51.068	-35.025	-29.041	-27.871	-30.933	-27.413
	High	-44.699	-51.566	-34.788	-29.790	-31.039	-31.175	-26.900
64QAM	Middle	-45.960	-52.080	-35.192	-29.279	-28.114	-30.741	-27.332
	High	-44.984	-51.948	-35.325	-31.121	-30.864	-30.404	-26.861
256QAM	Middle	-45.365	-52.735	-34.486	-28.040	-27.483	-30.794	-27.566
	High	-46.014	-51.682	-34.618	-28.985	-30.888	-29.970	-26.628

LTE Band 25 20 MHz 1 Carrier

Test Result for Output Port 7

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge - 100 MHz	Low Edge - 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Middle	-47.370	-50.117	-31.841	-31.377	-30.312	-28.566	-25.980
16QAM	Middle	-46.052	-48.992	-31.156	-32.062	-30.467	-27.473	-25.992
64QAM	Middle	-43.526	-49.828	-32.039	-32.123	-30.253	-27.928	-26.434
256QAM	Middle	-45.399	-49.812	-31.899	-32.345	-30.536	-28.497	-25.817

Test Result for Output Port 13

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge - 100 MHz	Low Edge - 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-48.958	-51.002	-32.196	-44.464	-29.557	-28.565	-26.082
	High	-48.218	-50.042	-32.114	-31.929	-43.977	-28.425	-26.190
16QAM	Low	-47.079	-50.343	-30.866	-44.495	-28.843	-28.591	-26.080
	High	-46.383	-50.619	-32.389	-32.069	-43.825	-28.055	-25.766
64QAM	Low	-47.058	-50.899	-31.829	-44.596	-29.154	-28.076	-26.041
	High	-46.111	-49.222	-31.557	-31.731	-43.909	-28.518	-26.564
256QAM	Low	-45.495	-50.865	-31.383	-44.288	-29.257	-28.228	-26.042
	High	-48.283	-50.283	-32.086	-31.874	-43.671	-28.483	-25.993

LTE Band 66 5 MHz 1 Carrier

Test Result for Output Port 6

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge - 100 MHz	Low Edge - 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-27.321	-34.427	-36.784	-38.050	-32.363	-34.874	-33.652
	High	-32.325	-37.165	-36.758	-34.687	-30.959	-35.371	-32.571
16QAM	Low	-29.807	-36.582	-36.497	-37.610	-32.586	-34.581	-33.548
	High	-30.652	-36.470	-36.308	-34.229	-31.254	-33.234	-32.640
64QAM	Low	-30.448	-34.595	-35.626	-37.634	-32.403	-33.736	-33.099
	High	-29.452	-36.327	-36.160	-34.673	-31.814	-33.956	-29.534
256QAM	Low	-30.978	-35.923	-36.415	-38.626	-32.408	-35.091	-32.935
	High	-34.217	-36.071	-36.760	-34.736	-31.544	-33.590	-31.199

Test Result for Output Port 8

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge - 100 MHz	Low Edge - 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Middle	-31.260	-37.020	-36.308	-34.616	-32.315	-34.528	-32.538
16QAM	Middle	-30.945	-36.636	-36.728	-34.538	-32.360	-34.167	-32.128
64QAM	Middle	-27.837	-36.317	-36.316	-34.784	-32.510	-34.928	-31.617
256QAM	Middle	-30.629	-36.977	-35.755	-34.514	-32.689	-34.627	-32.934

LTE Band 66 10 MHz 1 Carrier

Test Result for Output Port 8

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge - 100 MHz	Low Edge - 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-31.703	-37.299	-37.031	-42.315	-31.761	-34.435	-31.606
	Middle	-31.880	-36.995	-36.928	-34.035	-31.689	-34.224	-32.733
16QAM	Low	-33.765	-38.166	-36.259	-42.914	-31.502	-35.210	-32.446
	Middle	-30.003	-36.143	-35.394	-33.798	-31.670	-34.787	-32.452
64QAM	Low	-28.944	-36.845	-36.544	-42.694	-31.340	-35.241	-31.511
	Middle	-32.028	-37.130	-36.258	-33.628	-31.828	-33.960	-33.065
256QAM	Low	-31.051	-37.578	-35.393	-42.494	-31.745	-34.933	-31.926
	Middle	-33.055	-37.571	-36.320	-34.197	-31.991	-34.047	-33.405

Test Result for Output Port 9

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge - 100 MHz	Low Edge - 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	High	-32.433	-37.673	-36.508	-34.243	-31.595	-35.113	-32.749
16QAM	High	-30.640	-37.270	-36.270	-34.803	-31.241	-34.067	-32.410
64QAM	High	-31.452	-36.911	-36.211	-34.257	-31.358	-34.395	-32.449
256QAM	High	-31.038	-37.126	-36.784	-34.571	-32.052	-33.995	-32.471

LTE Band 66 15 MHz 1 Carrier

Test Result for Output Port 6

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge - 100 MHz	Low Edge - 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-26.442	-37.673	-35.291	-41.727	-30.436	-34.263	-33.242
	High	-32.725	-38.015	-35.259	-34.394	-31.931	-34.849	-31.679
16QAM	Low	-31.782	-35.791	-36.543	-41.822	-31.641	-34.481	-32.782
	High	-30.085	-37.335	-35.293	-33.958	-31.209	-34.288	-32.786
64QAM	Low	-30.127	-35.136	-35.698	-42.763	-30.739	-34.744	-30.960
	High	-30.930	-36.910	-35.672	-34.169	-30.841	-33.581	-32.110
256QAM	Low	-29.094	-35.984	-36.275	-42.248	-31.168	-34.877	-32.204
	High	-34.225	-36.434	-35.608	-34.495	-31.819	-34.778	-32.006

Test Result for Output Port 8

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge - 100 MHz	Low Edge - 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Middle	-29.673	-36.623	-36.186	-33.375	-31.508	-34.209	-32.216
16QAM	Middle	-30.643	-36.898	-34.837	-33.954	-31.801	-34.105	-31.765
64QAM	Middle	-29.670	-37.544	-36.314	-33.358	-31.562	-34.811	-31.700
256QAM	Middle	-30.988	-37.705	-34.125	-33.055	-31.594	-34.985	-32.962

LTE Band 66 20 MHz 1 Carrier

Test Result for Output Port 2

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge - 100 MHz	Low Edge - 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-36.481	-38.168	-35.473	-42.452	-30.785	-34.335	-31.020
16QAM	Low	-33.327	-36.543	-35.018	-42.445	-30.352	-34.784	-32.576
64QAM	Low	-36.258	-35.338	-35.676	-41.996	-31.048	-34.424	-33.212
256QAM	Low	-30.937	-36.816	-36.128	-41.555	-30.614	-34.719	-32.847

Test Result for Output Port 8

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge - 100 MHz	Low Edge - 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Middle	-36.589	-37.469	-36.156	-32.732	-29.982	-33.590	-33.492
	High	-36.801	-37.708	-36.024	-34.318	-32.310	-34.126	-32.237
16QAM	Middle	-35.434	-38.071	-36.756	-33.649	-30.487	-34.037	-32.621
	High	-36.793	-38.208	-35.254	-34.159	-32.300	-33.287	-31.678
64QAM	Middle	-36.448	-37.503	-35.744	-31.492	-30.370	-34.724	-33.079
	High	-33.539	-37.483	-34.992	-34.407	-31.623	-33.657	-32.444
256QAM	Middle	-35.612	-36.074	-36.083	-32.595	-30.793	-34.236	-31.524
	High	-36.849	-37.209	-36.060	-34.466	-31.438	-33.512	-31.881

Tabular Data of Contiguous Unwanted Emissions

LTE Band 25 5 MHz 1 Carrier + LTE Band 25 15 MHz 1 Carrier [2 Carrier]

Test Result for Output Port 13

Mod.	Channel	Measured Level (dBm)						
		9 kHz ~ 150 kHz	150 kHz ~ 30 MHz	30 MHz ~ Low Edge - 100 MHz	Low Edge - 100 MHz ~ Low Edge	High Edge ~ High Edge + 100 MHz	High Edge + 100 MHz ~ 10 GHz	10 GHz ~ 26.5 GHz
QPSK	Low	-45.262	-51.815	-32.328	-38.398	-29.025	-28.462	-26.611
	Middle	-46.767	-50.592	-31.440	-31.516	-29.454	-28.307	-25.603
	High	-48.510	-50.403	-31.874	-32.245	-33.503	-28.756	-26.527
16QAM	Low	-47.562	-51.123	-31.742	-37.008	-29.151	-28.458	-26.295
	Middle	-45.958	-50.979	-31.432	-31.420	-29.700	-27.480	-26.257
	High	-46.295	-50.306	-32.072	-32.093	-32.707	-28.717	-26.158
64QAM	Low	-46.527	-51.683	-31.785	-38.823	-28.952	-28.227	-25.728
	Middle	-45.761	-50.804	-31.821	-31.790	-29.729	-28.393	-26.151
	High	-46.166	-50.321	-32.031	-32.183	-32.578	-28.045	-26.437
256QAM	Low	-48.043	-51.655	-31.693	-38.667	-29.260	-28.484	-26.126
	Middle	-45.184	-50.572	-31.848	-31.601	-29.658	-28.568	-26.353
	High	-44.621	-50.296	-31.912	-32.191	-32.712	-28.921	-26.367