



FCC RF Test Report

APPLICANT : Copeland Cold Chain LP.
EQUIPMENT : GO Tracker 2.3
BRAND NAME : Copeland
MODEL NAME : GO Tracker 2.3
FCC ID : AMH101021
STANDARD : 47 CFR Part 22(H), 24(E), 27(L), 27(H), 27(M), 27(F)
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Sep. 26, 2025 ~ Oct. 10, 2025

We, Sporton International Inc. (ShenZhen), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (ShenZhen), the test report shall not be reproduced except in full.

Approved by: Fly Liang



Sporton International Inc. (ShenZhen)

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055

People's Republic of China



TABLE OF CONTENTS

REVISION HISTORY	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	6
1.1 Applicant	6
1.2 Manufacturer	6
1.3 Product Feature of Equipment Under Test	6
1.4 Product Specification of Equipment Under Test	7
1.5 Modification of EUT	7
1.6 Maximum ERP/EIRP and Emission Designator	8
1.7 Testing Location	9
1.8 Test Software	9
1.9 Applicable Standards	10
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST	11
2.1 Test Mode	11
2.2 Connection Diagram of Test System	13
2.3 Support Unit used in test configuration and system	13
2.4 Measurement Results Explanation Example	13
2.5 Frequency List of Low/Middle/High Channels	14
3 CONDUCTED TEST ITEMS	17
3.1 Measuring Instruments	17
3.2 Test Setup	17
3.3 Test Result of Conducted Test	17
3.4 Conducted Output Power and ERP/EIRP	18
3.5 Peak-to-Average Ratio	19
3.6 Occupied Bandwidth	20
3.7 Conducted Band Edge	21
3.8 Conducted Spurious Emission	23
3.9 Frequency Stability	24
4 RADIATED TEST ITEMS	25
4.1 Measuring Instruments	25
4.2 Test Setup	25
4.3 Test Result of Radiated Test	26
4.4 Radiated Spurious Emission	27
5 LIST OF MEASURING EQUIPMENT	28
6 MEASUREMENT UNCERTAINTY	29
APPENDIX A. TEST RESULTS OF CONDUCTED TEST	
APPENDIX B. TEST RESULTS OF RADIATED TEST	
APPENDIX C. TEST SETUP PHOTOGRAPHS	



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG591817	Rev. 01	Initial issue of report	Nov. 12, 2025

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§22.913(a)(5)	Effective Radiated Power (Band 5)	ERP < 7 Watt	PASS	-
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 12) (Band 13)	ERP < 3 Watt		-
	§24.232(c) §27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 7)	EIRP < 2Watt		-
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4)	EIRP < 1Watt		-
3.5	§24.232(d)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§2.1051 §22.917(a) §24.238(a) §27.53(c)(2)(4) §27.53(g) §27.53(h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (Band 7)	§27.53(m)(4)		
3.8	§2.1051 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(g) §27.53(h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 7)	< 55+10log ₁₀ (P[Watts])		
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§2.1055 §24.235 §27.54		Within Authorized Band		

4.4	§2.1053 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(f) §27.53(g) §27.53(h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13)	$< 43 + 10\log_{10}(P[\text{Watts}])$	PASS	Under limit 19.60 dB at 2098.50 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7)	$< 55 + 10\log_{10}(P[\text{Watts}])$		

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



1 General Description

1.1 Applicant

Copeland Cold Chain LP.

6223 N Discovery Way, Park Pointe Center 1 , Suite 120 Boise ID 83713

1.2 Manufacturer

Queclink Wireless Solutions Co., Ltd.

No.30, Lane 500, Xinlong Road , Minhang District, Shanghai, China, 201101

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	GO Tracker 2.3
Brand Name	Copeland
Model Name	GO Tracker 2.3
FCC ID	AMH101021
IMEI Code	Conducted: 015690008033286 Radiation: 016590008032858
HW Version	V1.01
SW Version	R00A01V04
EUT Stage	Production Unit

Remark: There are two types of EUT: Sample 1 with Battery 1 and Sample 2 with Battery 2. After evaluation, the difference does not affect the RF performance, so we evaluated Sample 1 to perform full test.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 2 : 1850 MHz ~ 1910 MHz LTE Band 4 : 1710 MHz ~ 1755 MHz LTE Band 5 : 824 MHz ~ 849 MHz LTE Band 7 : 2500 MHz ~ 2570 MHz LTE Band 12 : 699 MHz ~ 716 MHz LTE Band 13 : 777 MHz ~ 787 MHz
Rx Frequency	LTE Band 2 : 1930 MHz ~ 1990 MHz LTE Band 4 : 2110 MHz ~ 2155 MHz LTE Band 5 : 869 MHz ~ 894 MHz LTE Band 7 : 2620 MHz ~ 2690 MHz LTE Band 12 : 729 MHz ~ 746 MHz LTE Band 13 : 746 MHz ~ 756 MHz
Bandwidth	LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 7 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz
Maximum Output Power to Antenna	LTE Band 2 : 22.20 dBm LTE Band 4 : 22.75 dBm LTE Band 5 : 22.55 dBm LTE Band 7 : 22.37 dBm LTE Band 12 : 22.45 dBm LTE Band 13 : 22.87 dBm
Antenna Gain	LTE Band 2 : -4.42 dBi LTE Band 4 : -3.22 dBi LTE Band 5 : -4.97 dBi LTE Band 7 : -4.09 dBi LTE Band 12 : -5.73 dBi LTE Band 13 : -5.16 dBi
Type of Modulation	QPSK / 16QAM

Remark: This device supports LTE category 1 bis.

1.5 Modification of EUT

No modifications are made to the EUT during all test items.



1.6 Maximum ERP/EIRP and Emission Designator

LTE Band 2		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1850.7 ~ 1909.3	0.0589	1M09G7D	0.0440	1M10W7D
3	1851.5 ~ 1908.5	0.0600	2M73G7D	0.0535	2M72W7D
5	1852.5 ~ 1907.5	0.0600	4M48G7D	0.0535	4M49W7D
10	1855.0 ~ 1905.0	0.0600	9M05G7D	0.0535	4M98W7D
15	1857.5 ~ 1902.5	0.0600	13M5G7D	0.0535	5M03W7D
20	1860.0 ~ 1900.0	0.0600	17M8G7D	0.0535	5M03W7D
LTE Band 4		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1710.7 ~ 1754.3	0.0883	1M09G7D	0.0708	1M09W7D
3	1711.5 ~ 1753.5	0.0873	2M70G7D	0.0711	2M72W7D
5	1712.5 ~ 1752.5	0.0877	4M51G7D	0.0706	4M47W7D
10	1715.0 ~ 1750.0	0.0877	9M01G7D	0.0703	4M98W7D
15	1717.5 ~ 1747.5	0.0867	13M5G7D	0.0718	4M98W7D
20	1720.0 ~ 1745.0	0.0897	17M8G7D	0.0724	5M03W7D
LTE Band 5		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	824.7 ~ 848.3	0.0344	1M09G7D	0.0258	1M10W7D
3	825.5 ~ 847.5	0.0345	2M71G7D	0.0267	2M73W7D
5	826.5 ~ 846.5	0.0339	4M48G7D	0.0272	4M49W7D
10	829.0 ~ 844.0	0.0349	8M97G7D	0.0275	5M00W7D
LTE Band 7		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2502.5 ~ 2567.5	0.0659	4M47G7D	0.0553	4M49W7D
10	2505.0 ~ 2565.0	0.0659	9M05G7D	0.0553	5M01W7D
15	2507.5 ~ 2562.5	0.0652	13M5G7D	0.0562	5M03W7D
20	2510.0 ~ 2560.0	0.0673	17M8G7D	0.0566	5M07W7D

LTE Band 12		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	699.7 ~ 715.3	0.0280	1M09G7D	0.0228	1M10W7D
3	700.5 ~ 714.5	0.0282	2M73G7D	0.0237	2M72W7D
5	701.5 ~ 713.5	0.0286	4M49G7D	0.0238	4M49W7D
10	704.0 ~ 711.0	0.0286	9M01G7D	0.0242	5M03W7D
LTE Band 13		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	779.5 ~ 784.5	0.0334	4M49G7D	0.0274	4M50W7D
10	782.0	0.0360	9M03G7D	0.0296	5M00W7D

1.7 Testing Location

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-SZ 03CH02-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH02-SZ	AUDIX	E3	6.2009-8-24a



1.9 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR Part 22(H), 24(E), 27(L), 27(H), 27(M), 27(F)
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

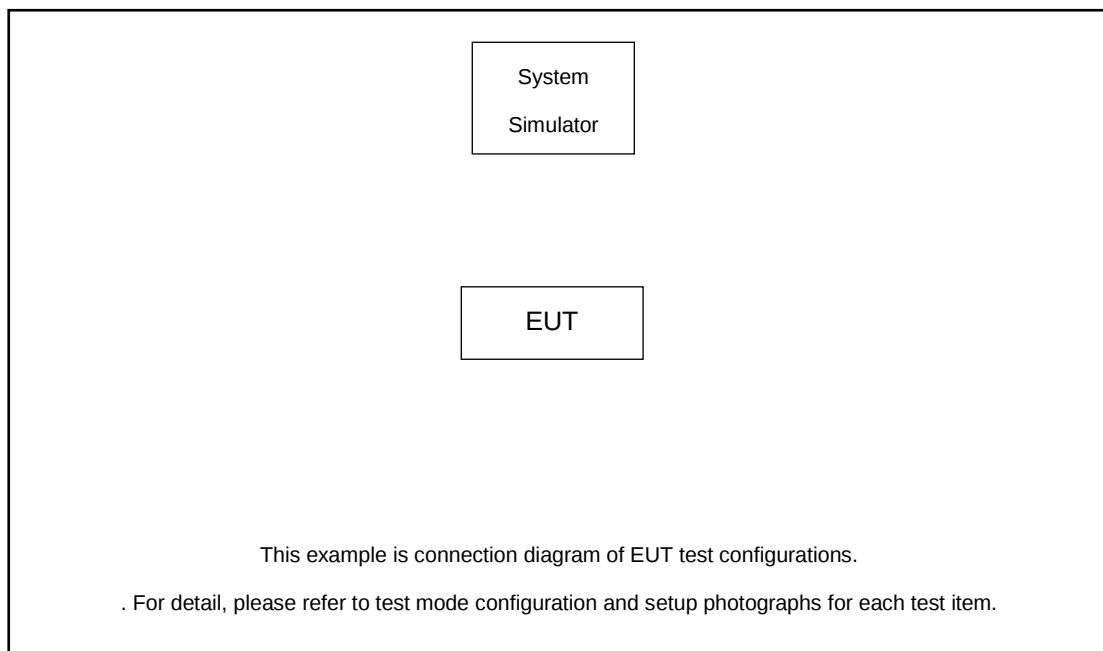
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	-	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	-	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	-	v	v	v	v	v	v
	7	-	-	v	v	v	v	v	v	-	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	-	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	-	v	v	v	v	v	v
Peak-to-Average Ratio	2						v	v	v	-			v		v	
	4						v	v	v	-			v		v	
	5				v	-	-	v	v	-			v		v	
	7	-	-				v	v	v	-			v		v	
	12				v	-	-	v	v	-			v		v	
	13	-	-		v	-	-	v	v	-			v		v	
26dB and 99% Bandwidth	2	v	v	v	v	v	v	v	v	-			v		v	
	4	v	v	v	v	v	v	v	v	-			v		v	
	5	v	v	v	v	-	-	v	v	-			v		v	
	7	-	-	v	v	v	v	v	v	-			v		v	
	12	v	v	v	v	-	-	v	v	-			v		v	
	13	-	-	v	v	-	-	v	v	-			v		v	
Conducted Band Edge	2	v	v	v	v	v	v	v	v	-	v		v	v		v
	4	v	v	v	v	v	v	v	v	-	v		v	v		v
	5	v	v	v	v	-	-	v	v	-	v		v	v		v
	7	-	-	v	v	v	v	v	v	-	v		v	v		v
	12	v	v	v	v	-	-	v	v	-	v		v	v		v
	13	-	-	v	v	-	-	v	v	-	v		v	v		v
Conducted Spurious Emission	2	v	v	v	v	v	v	v		-	v			v	v	v
	4	v	v	v	v	v	v	v		-	v			v	v	v



	5	v	v	v	v	-	-	v		-	v			v	v	v
	7	-	-	v	v	v	v	v		-	v			v	v	v
	12	v	v	v	v	-	-	v		-	v			v	v	v
	13	-	-	v	v	-	-	v		-	v			v	v	v
Frequency Stability	2	v						v		-			v		v	
	4	v						v		-			v		v	
	5				v	-	-	v		-			v		v	
	7	-	-	v				v		-			v		v	
	12	v				-	-	v		-			v		v	
	13	-	-	v		-	-	v		-			v		v	
E.R.P / E.I.R.P	2	v	v	v	v	v	v	v	v	-	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	-	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	-	v	v	v	v	v	v
	7	-	-	v	v	v	v	v	v	-	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	-	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	-	v	v	v	v	v	v
Radiated Spurious Emission	2	Worst Case												v	v	v
	4	Worst Case												v	v	v
	5	Worst Case												v	v	v
	7	Worst Case												v	v	v
	12	Worst Case												v	v	v
	13	Worst Case												v	v	v
Note	1. The mark “v ” means that this configuration is chosen for testing 2. The mark “-” means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. All test items are based on engineering evaluation.															

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	LTE Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.0 dB and 10dB attenuator.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 4.0 + 10 = 14.0 \text{ (dB)} \end{aligned}$$



2.5 Frequency List of Low/Middle/High Channels

LTE Band 2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	18700	18900	19100
	Frequency	1860	1880	1900
15	Channel	18675	18900	19125
	Frequency	1857.5	1880	1902.5
10	Channel	18650	18900	19150
	Frequency	1855	1880	1905
5	Channel	18625	18900	19175
	Frequency	1852.5	1880	1907.5
3	Channel	18615	18900	19185
	Frequency	1851.5	1880	1908.5
1.4	Channel	18607	18900	19193
	Frequency	1850.7	1880	1909.3

LTE Band 4 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20050	20175	20300
	Frequency	1720	1732.5	1745
15	Channel	20025	20175	20325
	Frequency	1717.5	1732.5	1747.5
10	Channel	20000	20175	20350
	Frequency	1715	1732.5	1750
5	Channel	19975	20175	20375
	Frequency	1712.5	1732.5	1752.5
3	Channel	19965	20175	20385
	Frequency	1711.5	1732.5	1753.5
1.4	Channel	19957	20175	20393
	Frequency	1710.7	1732.5	1754.3



LTE Band 5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	20450	20525	20600
	Frequency	829	836.5	844
5	Channel	20425	20525	20625
	Frequency	826.5	836.5	846.5
3	Channel	20415	20525	20635
	Frequency	825.5	836.5	847.5
1.4	Channel	20407	20525	20643
	Frequency	824.7	836.5	848.3

LTE Band 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5



LTE Band 12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23060	23095	23130
	Frequency	704	707.5	711
5	Channel	23035	23095	23155
	Frequency	701.5	707.5	713.5
3	Channel	23025	23095	23165
	Frequency	700.5	707.5	714.5
1.4	Channel	23017	23095	23173
	Frequency	699.7	707.5	715.3

LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5

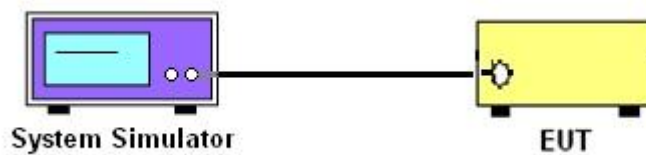
3 Conducted Test Items

3.1 Measuring Instruments

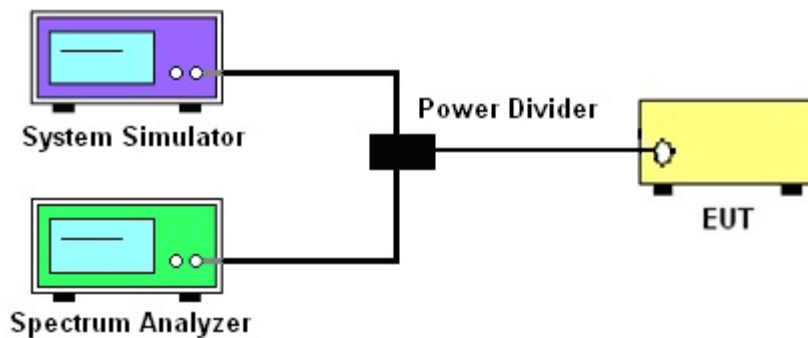
See list of measuring instruments of this test report.

3.2 Test Setup

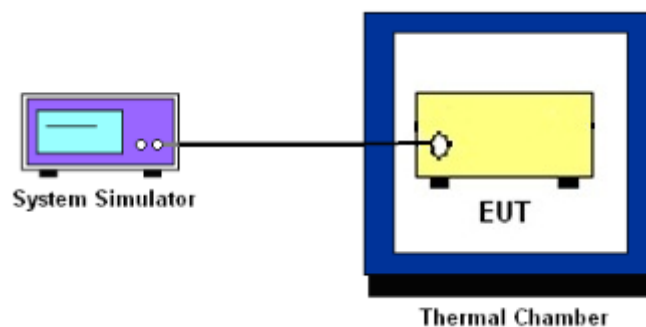
3.2.1 Conducted Output Power



3.2.2 Peak-to-Average Ratio, Occupied Bandwidth, Conducted Band-Edge and Conducted Spurious Emission



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and ERP/EIRP

3.4.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5.

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12, Band 13.

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 7.

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4.

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. 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.

3.5.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2.3.4 (CCDF).
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.

3.6 Occupied Bandwidth

3.6.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.6.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.4
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
4. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
5. Set the detection mode to peak, and the trace mode to max hold.
6. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.
(this is the reference value)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100kHz bandwidth. However, in the 1MHz 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.

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1MHz bandwidth. 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.

27.53 (c)

For operations in the 776-788 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least $65 + 10 \log_{10} p(\text{watts})$, dB, for mobile and portable equipment.

27.53 (g)

For operations in the 600MHz band and 698 -746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz bandwidth. However, in the 1MHz 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.

27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

3.7.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW $\geq 1\%$ / 2% EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.

Example:

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB) = -13dBm.

8. For LTE Band 7, the other 40 dB, and 55 dB have additionally applied same calculation above.
9. When using the integration method, the starting frequency of the integration shall be centered at one-half of the RBW away from the band edge.

3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For Band 7:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
 $= -13\text{dBm}$.
11. For Band 7
The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [55 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[55 + 10\log(P)]$ (dB)
 $= -25\text{dBm}$.

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

3.9.2 Test Procedures for Temperature Variation

1. The testing follows ANSI C63.26 section 5.6.4
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in 10°C step up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.9.3 Test Procedures for Voltage Variation

1. The testing follows ANSI C63.26 section 5.6.5
2. The EUT was placed in a temperature chamber at $20\pm 5^{\circ}\text{C}$ and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
5. The variation in frequency was measured for the worst case.

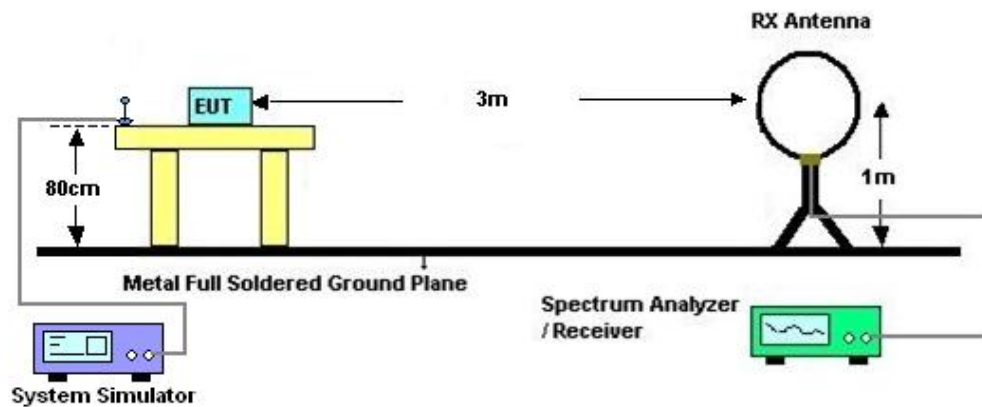
4 Radiated Test Items

4.1 Measuring Instruments

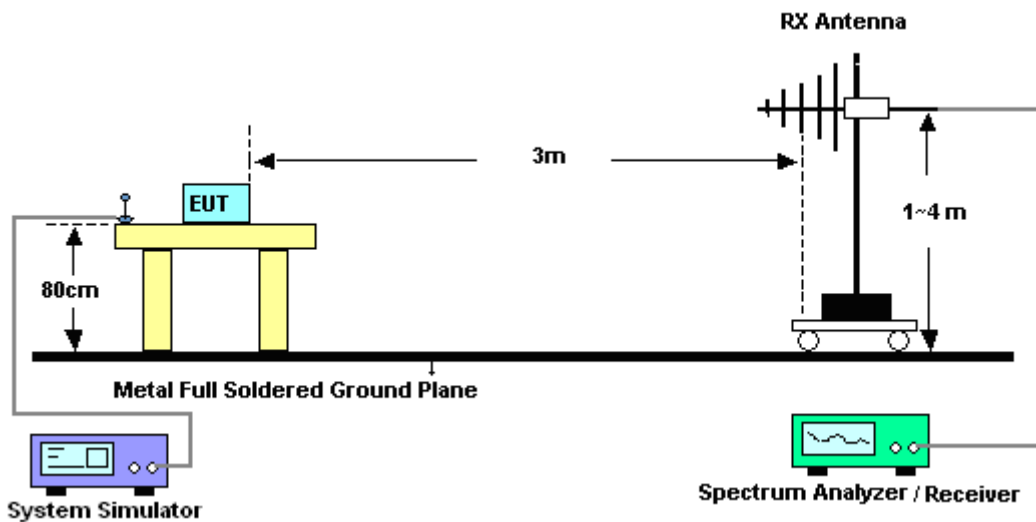
See list of measuring instruments of this test report.

4.2 Test Setup

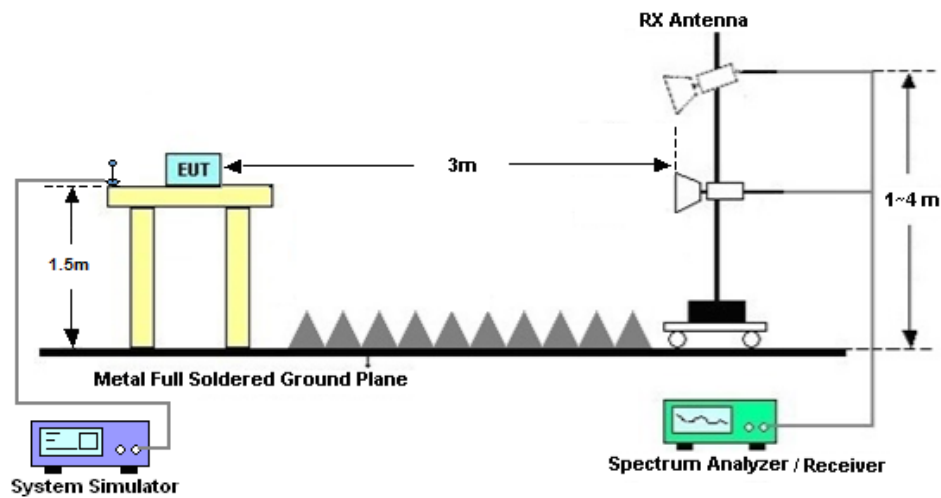
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For Band 7

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

For LTE Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. $\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$
11. $\text{ERP (dBm)} = \text{EIRP} - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$
 $= -13\text{dBm}.$

13. For Band 7:

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2025	Sep. 26, 2025	Jul. 02, 2026	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Sep. 26, 2025	Dec. 27, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz~2GHz	Oct. 24, 2023	Sep. 26, 2025	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2025	Sep. 26, 2025	Jul. 04, 2026	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2025	Sep. 26, 2025	Jul. 03, 2026	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz~40GHz	Apr. 03, 2025	Sep. 26, 2025	Apr. 02, 2027	Radiation (03CH02-SZ)
LF Amplifier	EM Electronics	EM330	060788	20MHz~3GHz	Dec. 25, 2024	Sep. 26, 2025	Dec. 24, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 14, 2024	Sep. 26, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 18, 2024	Sep. 26, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Sep. 26, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Sep. 26, 2025	NCR	Radiation (03CH02-SZ)
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 02, 2025	Sep. 29, 2025~Oct. 10, 2025	Apr. 01, 2026	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V , 3A	Oct. 14, 2024	Sep. 29, 2025~Oct. 10, 2025	Oct. 13, 2025	Conducted (TH01-SZ)
Power Divider	Titan	P02N005180	923402	0.4GHz~26.5GHz	Nov. 08, 2024	Sep. 29, 2025~Oct. 10, 2025	Nov. 07, 2025	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 02, 2025	Sep. 29, 2025~Oct. 10, 2025	Jul. 01, 2026	Conducted (TH01-SZ)

NCR: No Calibration Required

6 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	± 1.34 dB
Occupied Channel Bandwidth	± 0.012 MHz
Conducted Power	± 1.34 dB
Peak to Average Ratio	± 1.34 dB
Frequency Stability	± 1.3 Hz

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.47 dB
---	---------

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.31 dB
---	---------

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.72 dB
---	---------

----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Khan Zhen	Temperature :	22~23°C
		Relative Humidity :	40~42%

Conducted Output Power(Average power) and ERP/EIRP

LTE Band 2:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900	L	M	H
20	QPSK	1	0	21.87	22.20	21.54	0.0556	0.0600	0.0515
20	QPSK	1	49	21.11	21.52	21.08	0.0467	0.0513	0.0463
20	QPSK	1	99	20.82	21.22	20.87	0.0437	0.0479	0.0442
20	QPSK	50	0	20.54	20.89	20.46	0.0409	0.0444	0.0402
20	QPSK	50	24	20.24	20.69	20.25	0.0382	0.0424	0.0383
20	QPSK	50	50	19.95	20.31	19.96	0.0357	0.0388	0.0358
20	QPSK	100	0	21.23	21.56	21.21	0.0480	0.0518	0.0478
20	16QAM	1	0	21.18	21.55	21.15	0.0474	0.0516	0.0471
20	16QAM	1	49	20.69	21.02	20.63	0.0424	0.0457	0.0418
20	16QAM	1	99	20.10	20.54	20.18	0.0370	0.0409	0.0377
20	16QAM	50	0	21.14	21.58	21.24	0.0470	0.0520	0.0481
20	16QAM	50	24	21.20	21.53	21.18	0.0476	0.0514	0.0474
20	16QAM	50	50	21.11	21.50	21.07	0.0467	0.0511	0.0462
20	16QAM	100	0	21.34	21.70	21.31	0.0492	0.0535	0.0489
Channel				18675	18900	19125	EIRP(W)		
Frequency (MHz)				1857.5	1880	1902.5	L	M	H
15	QPSK	1	0	21.87	22.20	21.54	0.0556	0.0600	0.0515
15	QPSK	1	37	21.11	21.52	21.08	0.0467	0.0513	0.0463
15	QPSK	1	74	20.82	21.22	20.87	0.0437	0.0479	0.0442
15	QPSK	36	0	20.54	20.89	20.46	0.0409	0.0444	0.0402
15	QPSK	36	20	20.24	20.69	20.25	0.0382	0.0424	0.0383
15	QPSK	36	39	19.95	20.31	19.96	0.0357	0.0388	0.0358
15	QPSK	75	0	21.23	21.56	21.21	0.0480	0.0518	0.0478
15	16QAM	1	0	21.18	21.55	21.15	0.0474	0.0516	0.0471
15	16QAM	1	37	20.69	21.02	20.63	0.0424	0.0457	0.0418
15	16QAM	1	74	20.10	20.54	20.18	0.0370	0.0409	0.0377
15	16QAM	36	0	21.14	21.58	21.24	0.0470	0.0520	0.0481
15	16QAM	36	20	21.20	21.53	21.18	0.0476	0.0514	0.0474
15	16QAM	36	39	21.11	21.50	21.07	0.0467	0.0511	0.0462
15	16QAM	75	0	21.34	21.70	21.31	0.0492	0.0535	0.0489



Channel				18650	18900	19150	EIRP(W)		
Frequency (MHz)				1855	1880	1905	L	M	H
10	QPSK	1	0	21.87	22.20	21.54	0.0556	0.0600	0.0515
10	QPSK	1	25	21.11	21.52	21.08	0.0467	0.0513	0.0463
10	QPSK	1	49	20.82	21.22	20.87	0.0437	0.0479	0.0442
10	QPSK	25	0	20.54	20.89	20.46	0.0409	0.0444	0.0402
10	QPSK	25	12	20.24	20.69	20.25	0.0382	0.0424	0.0383
10	QPSK	25	25	19.95	20.31	19.96	0.0357	0.0388	0.0358
10	QPSK	50	0	21.23	21.56	21.21	0.0480	0.0518	0.0478
10	16QAM	1	0	21.18	21.55	21.15	0.0474	0.0516	0.0471
10	16QAM	1	25	20.69	21.02	20.63	0.0424	0.0457	0.0418
10	16QAM	1	49	20.10	20.54	20.18	0.0370	0.0409	0.0377
10	16QAM	25	0	21.14	21.58	21.24	0.0470	0.0520	0.0481
10	16QAM	25	12	21.20	21.53	21.18	0.0476	0.0514	0.0474
10	16QAM	25	25	21.11	21.50	21.07	0.0467	0.0511	0.0462
10	16QAM	50	0	21.34	21.70	21.31	0.0492	0.0535	0.0489
Channel				18625	18900	19175	EIRP(W)		
Frequency (MHz)				1852.5	1880	1907.5	L	M	H
5	QPSK	1	0	21.87	22.20	21.54	0.0556	0.0600	0.0515
5	QPSK	1	12	21.11	21.52	21.08	0.0467	0.0513	0.0463
5	QPSK	1	24	20.82	21.22	20.87	0.0437	0.0479	0.0442
5	QPSK	12	0	20.54	20.89	20.46	0.0409	0.0444	0.0402
5	QPSK	12	7	20.24	20.69	20.25	0.0382	0.0424	0.0383
5	QPSK	12	13	19.95	20.31	19.96	0.0357	0.0388	0.0358
5	QPSK	25	0	21.23	21.56	21.21	0.0480	0.0518	0.0478
5	16QAM	1	0	21.18	21.55	21.15	0.0474	0.0516	0.0471
5	16QAM	1	12	20.69	21.02	20.63	0.0424	0.0457	0.0418
5	16QAM	1	24	20.10	20.54	20.18	0.0370	0.0409	0.0377
5	16QAM	12	0	21.14	21.58	21.24	0.0470	0.0520	0.0481
5	16QAM	12	7	21.20	21.53	21.18	0.0476	0.0514	0.0474
5	16QAM	12	13	21.11	21.50	21.07	0.0467	0.0511	0.0462
5	16QAM	25	0	21.34	21.70	21.31	0.0492	0.0535	0.0489
Channel				18615	18900	19185	EIRP(W)		
Frequency (MHz)				1851.5	1880	1908.5	L	M	H
3	QPSK	1	0	21.87	22.20	21.54	0.0556	0.0600	0.0515
3	QPSK	1	8	21.11	21.52	21.08	0.0467	0.0513	0.0463
3	QPSK	1	14	20.82	21.22	20.87	0.0437	0.0479	0.0442
3	QPSK	8	0	20.54	20.89	20.46	0.0409	0.0444	0.0402
3	QPSK	8	4	20.24	20.69	20.25	0.0382	0.0424	0.0383
3	QPSK	8	7	19.95	20.31	19.96	0.0357	0.0388	0.0358
3	QPSK	15	0	21.23	21.56	21.21	0.0480	0.0518	0.0478
3	16QAM	1	0	21.18	21.55	21.15	0.0474	0.0516	0.0471
3	16QAM	1	8	20.69	21.02	20.63	0.0424	0.0457	0.0418
3	16QAM	1	14	20.10	20.54	20.18	0.0370	0.0409	0.0377
3	16QAM	8	0	21.14	21.58	21.24	0.0470	0.0520	0.0481
3	16QAM	8	4	21.20	21.53	21.18	0.0476	0.0514	0.0474
3	16QAM	8	7	21.11	21.50	21.07	0.0467	0.0511	0.0462



3	16QAM	15	0	21.34	21.70	21.31	0.0492	0.0535	0.0489
Channel				18607	18900	19193	EIRP(W)		
Frequency (MHz)				1850.7	1880	1909.3	L	M	H
1.4	QPSK	1	0	21.86	22.12	21.41	0.0555	0.0589	0.0500
1.4	QPSK	1	3	21.07	21.39	21.01	0.0462	0.0498	0.0456
1.4	QPSK	1	5	20.74	21.16	20.75	0.0429	0.0472	0.0430
1.4	QPSK	3	0	21.73	22.10	21.49	0.0538	0.0586	0.0509
1.4	QPSK	3	1	21.02	21.49	21.04	0.0457	0.0509	0.0459
1.4	QPSK	3	3	20.74	21.18	20.72	0.0429	0.0474	0.0427
1.4	QPSK	6	0	20.49	20.78	20.37	0.0405	0.0433	0.0394
1.4	16QAM	1	0	20.42	20.76	20.32	0.0398	0.0431	0.0389
1.4	16QAM	1	3	20.53	20.85	20.41	0.0408	0.0440	0.0397
1.4	16QAM	1	5	20.43	20.75	20.45	0.0399	0.0430	0.0401
1.4	16QAM	3	0	20.52	20.82	20.44	0.0407	0.0437	0.0400
1.4	16QAM	3	1	20.53	20.76	20.45	0.0408	0.0431	0.0401
1.4	16QAM	3	3	20.43	20.80	20.39	0.0399	0.0435	0.0395
1.4	16QAM	6	0	19.81	20.21	19.87	0.0346	0.0379	0.0351

LTE Band 4:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745	L	M	H
20	QPSK	1	0	22.48	21.95	22.75	0.0843	0.0746	0.0897
20	QPSK	1	49	21.80	21.90	21.78	0.0721	0.0738	0.0718
20	QPSK	1	99	21.74	21.83	21.75	0.0711	0.0726	0.0713
20	QPSK	50	0	20.22	20.30	20.15	0.0501	0.0511	0.0493
20	QPSK	50	24	20.84	20.89	20.81	0.0578	0.0585	0.0574
20	QPSK	50	50	20.78	20.90	20.87	0.0570	0.0586	0.0582
20	QPSK	100	0	21.68	21.74	21.69	0.0701	0.0711	0.0703
20	16QAM	1	0	20.93	21.03	20.92	0.0590	0.0604	0.0589
20	16QAM	1	49	21.77	21.82	21.76	0.0716	0.0724	0.0714
20	16QAM	1	99	20.98	21.12	20.98	0.0597	0.0617	0.0597
20	16QAM	50	0	20.83	20.93	20.82	0.0577	0.0590	0.0575
20	16QAM	50	24	21.60	21.67	21.53	0.0689	0.0700	0.0678
20	16QAM	50	50	20.84	20.97	20.88	0.0578	0.0596	0.0583
20	16QAM	100	0	21.27	21.38	21.34	0.0638	0.0655	0.0649
Channel				20025	20175	20325	EIRP(W)		
Frequency (MHz)				1717.5	1732.5	1747.5	L	M	H
15	QPSK	1	0	22.39	21.83	22.60	0.0826	0.0726	0.0867
15	QPSK	1	37	21.68	21.88	21.71	0.0701	0.0735	0.0706
15	QPSK	1	74	21.64	21.68	21.74	0.0695	0.0701	0.0711
15	QPSK	36	0	20.19	20.23	20.11	0.0498	0.0502	0.0489
15	QPSK	36	20	20.72	20.84	20.71	0.0562	0.0578	0.0561
15	QPSK	36	39	20.68	20.79	20.79	0.0557	0.0571	0.0571



15	QPSK	75	0	21.61	21.70	21.68	0.0690	0.0705	0.0701
15	16QAM	1	0	20.91	20.91	20.78	0.0587	0.0587	0.0570
15	16QAM	1	37	21.68	21.78	21.66	0.0701	0.0718	0.0698
15	16QAM	1	74	20.86	21.08	20.95	0.0581	0.0611	0.0593
15	16QAM	36	0	20.76	20.79	20.68	0.0568	0.0571	0.0557
15	16QAM	36	20	21.57	21.58	21.40	0.0684	0.0685	0.0658
15	16QAM	36	39	20.74	20.89	20.87	0.0565	0.0585	0.0582
15	16QAM	75	0	21.25	21.33	21.29	0.0635	0.0647	0.0641
Channel				20000	20175	20350	EIRP(W)		
Frequency (MHz)				1715	1732.5	1750	L	M	H
10	QPSK	1	0	22.34	21.88	22.65	0.0817	0.0735	0.0877
10	QPSK	1	25	21.71	21.84	21.69	0.0706	0.0728	0.0703
10	QPSK	1	49	21.70	21.75	21.62	0.0705	0.0713	0.0692
10	QPSK	25	0	20.15	20.16	20.01	0.0493	0.0494	0.0478
10	QPSK	25	12	20.73	20.88	20.78	0.0564	0.0583	0.0570
10	QPSK	25	25	20.71	20.77	20.85	0.0561	0.0569	0.0579
10	QPSK	50	0	21.60	21.61	21.65	0.0689	0.0690	0.0697
10	16QAM	1	0	20.89	20.88	20.81	0.0585	0.0583	0.0574
10	16QAM	1	25	21.62	21.69	21.61	0.0692	0.0703	0.0690
10	16QAM	1	49	20.92	21.06	20.87	0.0589	0.0608	0.0582
10	16QAM	25	0	20.69	20.88	20.70	0.0558	0.0583	0.0560
10	16QAM	25	12	21.46	21.53	21.40	0.0667	0.0678	0.0658
10	16QAM	25	25	20.80	20.86	20.75	0.0573	0.0581	0.0566
10	16QAM	50	0	21.26	21.36	21.32	0.0637	0.0652	0.0646
Channel				19975	20175	20375	EIRP(W)		
Frequency (MHz)				1712.5	1732.5	1752.5	L	M	H
5	QPSK	1	0	22.41	21.81	22.65	0.0830	0.0723	0.0877
5	QPSK	1	12	21.73	21.79	21.72	0.0710	0.0719	0.0708
5	QPSK	1	24	21.64	21.68	21.73	0.0695	0.0701	0.0710
5	QPSK	12	0	20.08	20.21	20.11	0.0485	0.0500	0.0489
5	QPSK	12	7	20.73	20.76	20.69	0.0564	0.0568	0.0558
5	QPSK	12	13	20.77	20.77	20.75	0.0569	0.0569	0.0566
5	QPSK	25	0	21.63	21.66	21.57	0.0693	0.0698	0.0684
5	16QAM	1	0	20.85	20.97	20.90	0.0579	0.0596	0.0586
5	16QAM	1	12	21.71	21.71	21.61	0.0706	0.0706	0.0690
5	16QAM	1	24	20.95	21.01	20.92	0.0593	0.0601	0.0589
5	16QAM	12	0	20.80	20.78	20.80	0.0573	0.0570	0.0573
5	16QAM	12	7	21.51	21.56	21.47	0.0675	0.0682	0.0668
5	16QAM	12	13	20.81	20.87	20.83	0.0574	0.0582	0.0577
5	16QAM	25	0	21.19	21.37	21.30	0.0627	0.0653	0.0643
Channel				19965	20175	20385	EIRP(W)		
Frequency (MHz)				1711.5	1732.5	1753.5	L	M	H
3	QPSK	1	0	22.34	21.89	22.63	0.0817	0.0736	0.0873
3	QPSK	1	8	21.78	21.83	21.75	0.0718	0.0726	0.0713
3	QPSK	1	14	21.69	21.74	21.65	0.0703	0.0711	0.0697
3	QPSK	8	0	20.18	20.22	20.02	0.0497	0.0501	0.0479
3	QPSK	8	4	20.71	20.76	20.73	0.0561	0.0568	0.0564



3	QPSK	8	7	20.69	20.76	20.77	0.0558	0.0568	0.0569
3	QPSK	15	0	21.65	21.64	21.67	0.0697	0.0695	0.0700
3	16QAM	1	0	20.82	20.88	20.88	0.0575	0.0583	0.0583
3	16QAM	1	8	21.62	21.67	21.74	0.0692	0.0700	0.0711
3	16QAM	1	14	20.85	20.97	20.84	0.0579	0.0596	0.0578
3	16QAM	8	0	20.69	20.84	20.81	0.0558	0.0578	0.0574
3	16QAM	8	4	21.53	21.64	21.41	0.0678	0.0695	0.0659
3	16QAM	8	7	20.73	20.87	20.77	0.0564	0.0582	0.0569
3	16QAM	15	0	21.22	21.37	21.24	0.0631	0.0653	0.0634
Channel				19950	20175	20393	EIRP(W)		
Frequency (MHz)				1710	1732.5	1754.3	L	M	H
1.4	QPSK	1	0	22.43	21.86	22.65	0.0834	0.0731	0.0877
1.4	QPSK	1	3	21.74	21.77	21.75	0.0711	0.0716	0.0713
1.4	QPSK	1	5	21.64	21.74	21.67	0.0695	0.0711	0.0700
1.4	QPSK	3	0	22.42	21.86	22.68	0.0832	0.0731	0.0883
1.4	QPSK	3	1	21.71	21.83	21.65	0.0706	0.0726	0.0697
1.4	QPSK	3	3	21.63	21.80	21.66	0.0693	0.0721	0.0698
1.4	QPSK	6	0	21.58	21.65	21.68	0.0685	0.0697	0.0701
1.4	16QAM	1	0	20.87	20.93	20.87	0.0582	0.0590	0.0582
1.4	16QAM	1	3	21.72	21.68	21.68	0.0708	0.0701	0.0701
1.4	16QAM	1	5	20.97	21.01	20.85	0.0596	0.0601	0.0579
1.4	16QAM	3	0	20.79	20.86	20.71	0.0571	0.0581	0.0561
1.4	16QAM	3	1	21.54	21.55	21.45	0.0679	0.0681	0.0665
1.4	16QAM	3	3	20.72	20.92	20.86	0.0562	0.0589	0.0581
1.4	16QAM	6	0	20.68	20.81	20.72	0.0557	0.0574	0.0562

LTE Band 5:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844	L	M	H
10	QPSK	1	0	22.55	22.44	22.35	0.0349	0.0340	0.0333
10	QPSK	1	25	22.19	22.24	22.12	0.0321	0.0325	0.0316
10	QPSK	1	49	22.11	22.23	22.13	0.0316	0.0324	0.0317
10	QPSK	25	0	21.21	21.25	21.10	0.0256	0.0259	0.0250
10	QPSK	25	12	21.20	21.28	21.23	0.0256	0.0261	0.0258
10	QPSK	25	25	21.18	21.25	21.18	0.0255	0.0259	0.0255
10	QPSK	50	0	20.92	21.03	20.91	0.0240	0.0246	0.0239
10	16QAM	1	0	21.44	21.52	21.48	0.0270	0.0275	0.0273
10	16QAM	1	25	21.45	21.49	21.34	0.0271	0.0274	0.0264
10	16QAM	1	49	21.32	21.40	21.31	0.0263	0.0268	0.0262
10	16QAM	25	0	21.31	21.41	21.39	0.0262	0.0269	0.0267
10	16QAM	25	12	21.28	21.37	21.24	0.0261	0.0266	0.0258
10	16QAM	25	25	21.13	21.25	21.22	0.0252	0.0259	0.0257
10	16QAM	50	0	20.42	20.52	20.40	0.0214	0.0219	0.0213



Channel				20425	20525	20625	ERP(W)		
Frequency (MHz)				826.5	836.5	846.5	L	M	H
5	QPSK	1	0	22.42	22.29	22.27	0.0339	0.0329	0.0327
5	QPSK	1	12	22.18	22.15	21.97	0.0321	0.0318	0.0305
5	QPSK	1	24	22.04	22.09	22.08	0.0310	0.0314	0.0313
5	QPSK	12	0	21.19	21.10	21.07	0.0255	0.0250	0.0248
5	QPSK	12	7	21.05	21.18	21.20	0.0247	0.0255	0.0256
5	QPSK	12	13	21.17	21.24	21.12	0.0254	0.0258	0.0251
5	QPSK	25	0	20.88	20.92	20.90	0.0238	0.0240	0.0239
5	16QAM	1	0	21.40	21.46	21.44	0.0268	0.0272	0.0270
5	16QAM	1	12	21.38	21.37	21.19	0.0267	0.0266	0.0255
5	16QAM	1	24	21.17	21.29	21.16	0.0254	0.0261	0.0254
5	16QAM	12	0	21.26	21.35	21.26	0.0259	0.0265	0.0259
5	16QAM	12	7	21.25	21.32	21.14	0.0259	0.0263	0.0252
5	16QAM	12	13	21.00	21.21	21.10	0.0244	0.0256	0.0250
5	16QAM	25	0	20.40	20.44	20.39	0.0213	0.0215	0.0212
Channel				20415	20525	20635	ERP(W)		
Frequency (MHz)				825.5	836.5	847.5	L	M	H
3	QPSK	1	0	22.50	22.40	22.29	0.0345	0.0337	0.0329
3	QPSK	1	8	22.05	22.16	22.00	0.0311	0.0319	0.0308
3	QPSK	1	14	21.97	22.18	21.98	0.0305	0.0321	0.0306
3	QPSK	8	0	21.08	21.12	21.01	0.0249	0.0251	0.0245
3	QPSK	8	4	21.18	21.18	21.13	0.0255	0.0255	0.0252
3	QPSK	8	7	21.06	21.14	21.16	0.0248	0.0252	0.0254
3	QPSK	15	0	20.88	20.95	20.84	0.0238	0.0242	0.0236
3	16QAM	1	0	21.37	21.39	21.37	0.0266	0.0267	0.0266
3	16QAM	1	8	21.31	21.39	21.19	0.0262	0.0267	0.0255
3	16QAM	1	14	21.22	21.32	21.19	0.0257	0.0263	0.0255
3	16QAM	8	0	21.22	21.29	21.30	0.0257	0.0261	0.0262
3	16QAM	8	4	21.22	21.28	21.23	0.0257	0.0261	0.0258
3	16QAM	8	7	21.03	21.23	21.19	0.0246	0.0258	0.0255
3	16QAM	15	0	20.33	20.37	20.27	0.0209	0.0211	0.0207
Channel				20407	20525	20643	ERP(W)		
Frequency (MHz)				824.7	836.5	848.3	L	M	H
1.4	QPSK	1	0	22.46	22.34	22.32	0.0342	0.0333	0.0331
1.4	QPSK	1	3	22.16	22.09	22.07	0.0319	0.0314	0.0313
1.4	QPSK	1	5	22.04	22.09	22.03	0.0310	0.0314	0.0310
1.4	QPSK	3	0	22.49	22.38	22.20	0.0344	0.0336	0.0322
1.4	QPSK	3	1	22.08	22.20	22.10	0.0313	0.0322	0.0315
1.4	QPSK	3	3	22.00	22.08	22.00	0.0308	0.0313	0.0308
1.4	QPSK	6	0	21.14	21.12	21.01	0.0252	0.0251	0.0245
1.4	16QAM	1	0	21.14	21.21	21.07	0.0252	0.0256	0.0248
1.4	16QAM	1	3	21.13	21.15	21.20	0.0252	0.0253	0.0256
1.4	16QAM	1	5	21.13	21.17	21.13	0.0252	0.0254	0.0252
1.4	16QAM	3	0	21.06	21.21	21.02	0.0248	0.0256	0.0245
1.4	16QAM	3	1	21.13	21.24	21.17	0.0252	0.0258	0.0254



1.4	16QAM	3	3	21.10	21.17	21.14	0.0250	0.0254	0.0252
1.4	16QAM	6	0	20.28	20.47	20.26	0.0207	0.0216	0.0206

LTE Band 7:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				20850	20850	21350			
Frequency (MHz)				2510	2535	2560	L	M	H
20	QPSK	1	0	22.19	22.37	21.77	0.0646	0.0673	0.0586
20	QPSK	1	49	21.52	21.95	21.60	0.0553	0.0611	0.0564
20	QPSK	1	99	21.35	21.76	21.38	0.0532	0.0585	0.0536
20	QPSK	50	0	20.73	21.14	20.76	0.0461	0.0507	0.0465
20	QPSK	50	24	20.64	21.06	20.71	0.0452	0.0498	0.0459
20	QPSK	50	50	20.53	20.88	20.56	0.0441	0.0478	0.0444
20	QPSK	100	0	20.68	21.05	20.62	0.0456	0.0497	0.0450
20	16QAM	1	0	21.19	21.62	21.19	0.0513	0.0566	0.0513
20	16QAM	1	49	20.90	21.31	20.99	0.0480	0.0527	0.0490
20	16QAM	1	99	20.93	21.28	20.87	0.0483	0.0524	0.0476
20	16QAM	50	0	21.18	21.59	21.13	0.0512	0.0562	0.0506
20	16QAM	50	24	20.75	21.22	20.90	0.0463	0.0516	0.0480
20	16QAM	50	50	20.82	21.16	20.86	0.0471	0.0509	0.0475
20	16QAM	100	0	20.14	20.57	20.16	0.0403	0.0445	0.0405
Channel				20825	21100	21375	EIRP(W)		
Frequency (MHz)				2507.5	2535	2562.5	L	M	H
15	QPSK	1	0	22.13	22.23	21.64	0.0637	0.0652	0.0569
15	QPSK	1	37	21.43	21.84	21.46	0.0542	0.0596	0.0546
15	QPSK	1	74	21.30	21.73	21.27	0.0526	0.0581	0.0522
15	QPSK	36	0	20.60	20.99	20.71	0.0448	0.0490	0.0459
15	QPSK	36	20	20.63	21.01	20.65	0.0451	0.0492	0.0453
15	QPSK	36	39	20.42	20.73	20.49	0.0430	0.0461	0.0437
15	QPSK	75	0	20.62	20.97	20.50	0.0450	0.0488	0.0438
15	16QAM	1	0	21.05	21.59	21.11	0.0497	0.0562	0.0504
15	16QAM	1	37	20.89	21.19	20.96	0.0479	0.0513	0.0486
15	16QAM	1	74	20.80	21.26	20.84	0.0469	0.0521	0.0473
15	16QAM	36	0	21.17	21.54	21.06	0.0511	0.0556	0.0498
15	16QAM	36	20	20.66	21.07	20.85	0.0454	0.0499	0.0474
15	16QAM	36	39	20.73	21.14	20.79	0.0461	0.0507	0.0468
15	16QAM	75	0	20.07	20.50	20.05	0.0396	0.0438	0.0394
Channel				20800	21100	21400	EIRP(W)		
Frequency (MHz)				2505	2535	2565	L	M	H
10	QPSK	1	0	22.05	22.28	21.74	0.0625	0.0659	0.0582
10	QPSK	1	25	21.47	21.82	21.58	0.0547	0.0593	0.0561
10	QPSK	1	49	21.24	21.72	21.25	0.0519	0.0579	0.0520
10	QPSK	25	0	20.64	21.03	20.66	0.0452	0.0494	0.0454
10	QPSK	25	12	20.56	21.04	20.68	0.0444	0.0495	0.0456



10	QPSK	25	25	20.41	20.78	20.51	0.0429	0.0467	0.0439
10	QPSK	50	0	20.55	20.92	20.57	0.0443	0.0482	0.0445
10	16QAM	1	0	21.05	21.49	21.06	0.0497	0.0550	0.0498
10	16QAM	1	25	20.87	21.23	20.94	0.0476	0.0518	0.0484
10	16QAM	1	49	20.86	21.14	20.81	0.0475	0.0507	0.0470
10	16QAM	25	0	21.04	21.52	21.02	0.0495	0.0553	0.0493
10	16QAM	25	12	20.67	21.12	20.88	0.0455	0.0505	0.0478
10	16QAM	25	25	20.73	21.01	20.72	0.0461	0.0492	0.0460
10	16QAM	50	0	20.00	20.47	20.02	0.0390	0.0435	0.0392
Channel				20775	21100	21425	EIRP(W)		
Frequency (MHz)				2502.5	2535	2567.5	L	M	H
5	QPSK	1	0	22.11	22.28	21.68	0.0634	0.0659	0.0574
5	QPSK	1	12	21.38	21.93	21.48	0.0536	0.0608	0.0548
5	QPSK	1	24	21.29	21.61	21.31	0.0525	0.0565	0.0527
5	QPSK	12	0	20.72	21.00	20.74	0.0460	0.0491	0.0462
5	QPSK	12	7	20.53	20.94	20.66	0.0441	0.0484	0.0454
5	QPSK	12	13	20.43	20.75	20.49	0.0431	0.0463	0.0437
5	QPSK	25	0	20.57	21.00	20.61	0.0445	0.0491	0.0449
5	16QAM	1	0	21.13	21.52	21.06	0.0506	0.0553	0.0498
5	16QAM	1	12	20.88	21.18	20.91	0.0478	0.0512	0.0481
5	16QAM	1	24	20.79	21.27	20.74	0.0468	0.0522	0.0462
5	16QAM	12	0	21.17	21.51	21.08	0.0511	0.0552	0.0500
5	16QAM	12	7	20.60	21.11	20.81	0.0448	0.0504	0.0470
5	16QAM	12	13	20.81	21.02	20.76	0.0470	0.0493	0.0465
5	16QAM	25	0	20.06	20.51	20.07	0.0395	0.0439	0.0396

LTE Band 12:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711	L	M	H
10	QPSK	1	0	20.91	22.14	21.71	0.0201	0.0267	0.0242
10	QPSK	1	25	22.30	22.45	22.35	0.0277	0.0286	0.0280
10	QPSK	1	49	22.38	22.40	22.37	0.0282	0.0283	0.0281
10	QPSK	25	0	21.02	21.15	21.02	0.0206	0.0212	0.0206
10	QPSK	25	12	21.36	21.48	21.45	0.0223	0.0229	0.0228
10	QPSK	25	25	21.22	21.24	21.20	0.0216	0.0217	0.0215
10	QPSK	50	0	21.42	21.43	21.34	0.0226	0.0226	0.0222
10	16QAM	1	0	21.14	21.20	21.13	0.0212	0.0215	0.0211
10	16QAM	1	25	21.56	21.71	21.56	0.0233	0.0242	0.0233
10	16QAM	1	49	21.49	21.55	21.45	0.0230	0.0233	0.0228
10	16QAM	25	0	21.11	21.16	21.09	0.0210	0.0213	0.0209
10	16QAM	25	12	21.51	21.69	21.41	0.0231	0.0240	0.0225
10	16QAM	25	25	21.37	21.47	21.30	0.0223	0.0229	0.0220
10	16QAM	50	0	20.23	20.18	20.16	0.0172	0.0170	0.0169



Channel				23035	23095	23155	ERP(W)		
Frequency (MHz)				701.5	707.5	713.5	L	M	H
5	QPSK	1	0	20.86	22.06	21.70	0.0199	0.0262	0.0241
5	QPSK	1	12	22.15	22.44	22.25	0.0267	0.0286	0.0274
5	QPSK	1	24	22.33	22.38	22.30	0.0279	0.0282	0.0277
5	QPSK	12	0	20.98	21.00	20.94	0.0204	0.0205	0.0202
5	QPSK	12	7	21.33	21.36	21.40	0.0221	0.0223	0.0225
5	QPSK	12	13	21.21	21.18	21.12	0.0215	0.0214	0.0211
5	QPSK	25	0	21.37	21.39	21.19	0.0223	0.0224	0.0214
5	16QAM	1	0	21.05	21.13	21.02	0.0207	0.0211	0.0206
5	16QAM	1	12	21.43	21.56	21.41	0.0226	0.0233	0.0225
5	16QAM	1	24	21.47	21.51	21.36	0.0229	0.0231	0.0223
5	16QAM	12	0	21.00	21.03	21.01	0.0205	0.0207	0.0206
5	16QAM	12	7	21.47	21.65	21.33	0.0229	0.0238	0.0221
5	16QAM	12	13	21.27	21.44	21.16	0.0218	0.0227	0.0213
5	16QAM	25	0	20.14	20.07	20.03	0.0168	0.0166	0.0164
Channel				23025	23095	23165	ERP(W)		
Frequency (MHz)				700.5	707.5	714.5	L	M	H
3	QPSK	1	0	20.79	22.06	21.68	0.0195	0.0262	0.0240
3	QPSK	1	8	22.24	22.39	22.24	0.0273	0.0282	0.0273
3	QPSK	1	14	22.23	22.33	22.36	0.0272	0.0279	0.0281
3	QPSK	8	0	20.89	21.02	20.97	0.0200	0.0206	0.0204
3	QPSK	8	4	21.32	21.37	21.31	0.0221	0.0223	0.0220
3	QPSK	8	7	21.14	21.11	21.16	0.0212	0.0210	0.0213
3	QPSK	15	0	21.38	21.42	21.20	0.0224	0.0226	0.0215
3	16QAM	1	0	21.13	21.19	21.07	0.0211	0.0214	0.0208
3	16QAM	1	8	21.48	21.63	21.44	0.0229	0.0237	0.0227
3	16QAM	1	14	21.41	21.44	21.37	0.0225	0.0227	0.0223
3	16QAM	8	0	21.02	21.15	21.02	0.0206	0.0212	0.0206
3	16QAM	8	4	21.42	21.62	21.26	0.0226	0.0237	0.0218
3	16QAM	8	7	21.30	21.36	21.28	0.0220	0.0223	0.0219
3	16QAM	15	0	20.19	20.16	20.07	0.0170	0.0169	0.0166
Channel				23017	23095	23173	ERP(W)		
Frequency (MHz)				699.7	707.5	715.3	L	M	H
1.4	QPSK	1	0	20.81	22.00	21.65	0.0196	0.0258	0.0238
1.4	QPSK	1	3	22.25	22.32	22.20	0.0274	0.0278	0.0270
1.4	QPSK	1	5	22.32	22.32	22.23	0.0278	0.0278	0.0272
1.4	QPSK	3	0	20.84	22.03	21.61	0.0198	0.0260	0.0236
1.4	QPSK	3	1	22.15	22.30	22.28	0.0267	0.0277	0.0275
1.4	QPSK	3	3	22.23	22.30	22.35	0.0272	0.0277	0.0280
1.4	QPSK	6	0	20.97	21.07	20.88	0.0204	0.0208	0.0200
1.4	16QAM	1	0	21.23	21.39	21.39	0.0216	0.0224	0.0224
1.4	16QAM	1	3	21.19	21.18	21.07	0.0214	0.0214	0.0208
1.4	16QAM	1	5	20.91	21.08	20.96	0.0201	0.0209	0.0203
1.4	16QAM	3	0	20.93	21.00	20.99	0.0202	0.0205	0.0205
1.4	16QAM	3	1	21.24	21.46	21.34	0.0217	0.0228	0.0222



1.4	16QAM	3	3	21.19	21.16	21.09	0.0214	0.0213	0.0209
1.4	16QAM	6	0	20.12	20.11	20.01	0.0167	0.0167	0.0163

LTE Band 13:

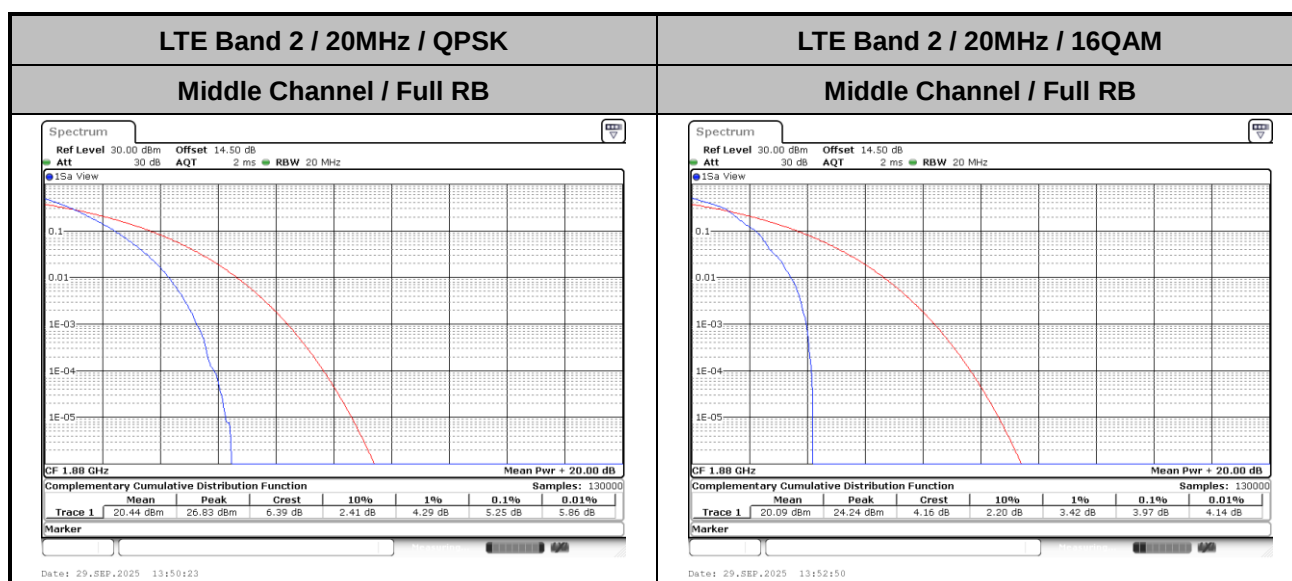
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				23230					
Frequency (MHz)				782				M	
10	QPSK	1	0		22.87			0.0360	
10	QPSK	1	25		22.46			0.0327	
10	QPSK	1	49		22.43			0.0325	
10	QPSK	25	0		21.41			0.0257	
10	QPSK	25	12		21.50			0.0262	
10	QPSK	25	25		21.36			0.0254	
10	QPSK	50	0		21.44			0.0259	
10	16QAM	1	0		22.03			0.0296	
10	16QAM	1	25		21.67			0.0273	
10	16QAM	1	49		21.57			0.0267	
10	16QAM	25	0		21.95			0.0291	
10	16QAM	25	12		21.64			0.0271	
10	16QAM	25	25		21.52			0.0264	
10	16QAM	50	0		20.99			0.0233	
Channel				23205	23230	23255	ERP(W)		
Frequency (MHz)				779.5	782	784.5	L	M	H
5	QPSK	1	0	22.48	22.43	22.55	0.0329	0.0325	0.0334
5	QPSK	1	12	22.04	22.14	22.11	0.0297	0.0304	0.0302
5	QPSK	1	24	22.11	21.98	22.00	0.0302	0.0293	0.0294
5	QPSK	12	0	21.04	21.04	20.98	0.0236	0.0236	0.0233
5	QPSK	12	7	21.09	21.15	21.07	0.0239	0.0242	0.0238
5	QPSK	12	13	20.98	20.92	20.95	0.0233	0.0230	0.0231
5	QPSK	25	0	21.10	21.03	21.02	0.0239	0.0236	0.0235
5	16QAM	1	0	21.65	21.68	21.60	0.0272	0.0274	0.0269
5	16QAM	1	12	21.34	21.24	21.28	0.0253	0.0247	0.0249
5	16QAM	1	24	21.21	21.25	21.20	0.0245	0.0248	0.0245
5	16QAM	12	0	20.67	20.77	20.66	0.0217	0.0222	0.0216
5	16QAM	12	7	20.67	20.68	20.62	0.0217	0.0217	0.0214
5	16QAM	12	13	20.35	20.24	20.24	0.0201	0.0196	0.0196
5	16QAM	25	0	20.26	20.27	20.17	0.0197	0.0198	0.0193



LTE Band 2

Peak-to-Average Ratio

Mode	LTE Band 2 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	5.25	3.97	PASS





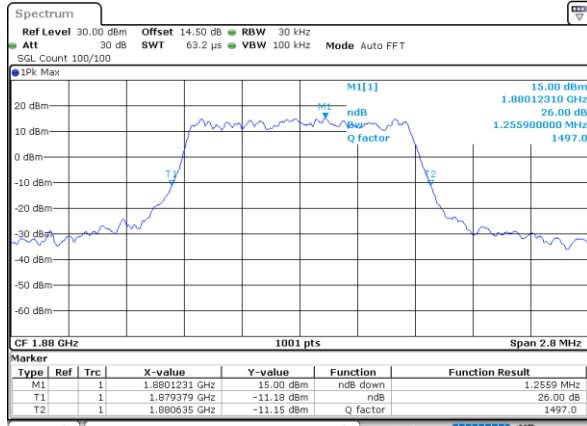
26dB Bandwidth

Mode	LTE Band 2 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.26	1.24	2.99	3.01	4.83	4.82	9.83	5.67	14.33	5.78	18.86	5.79

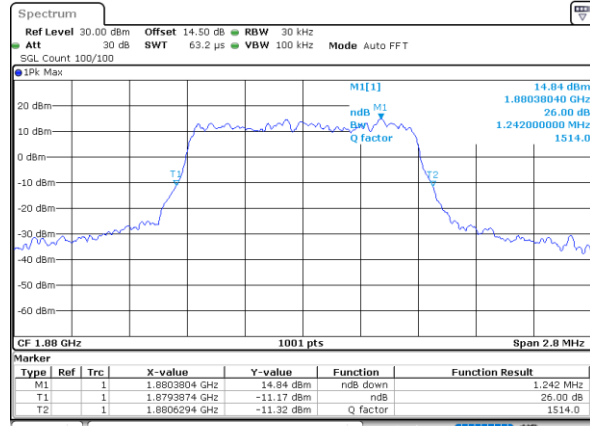


LTE Band 2

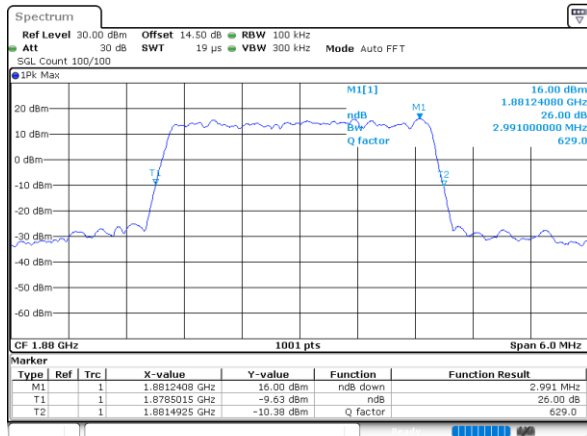
Middle Channel / 1.4MHz / QPSK



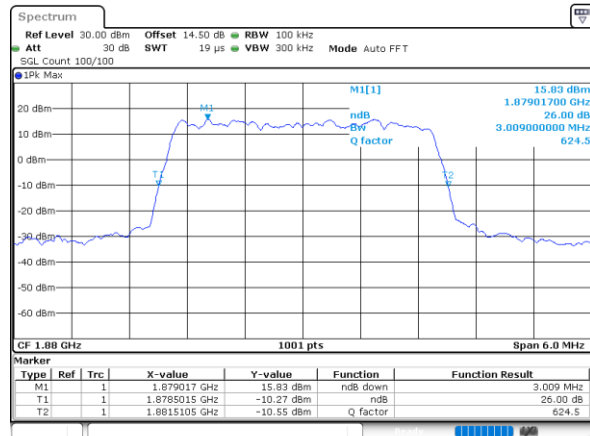
Middle Channel / 1.4MHz / 16QAM



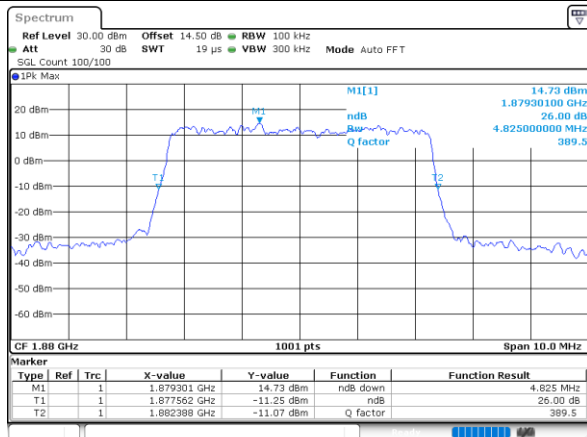
Middle Channel / 3MHz / QPSK



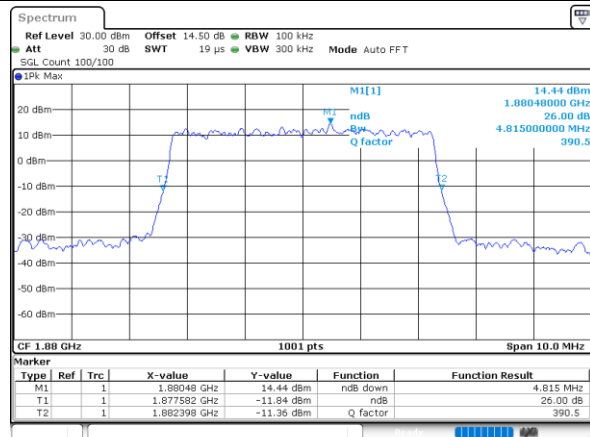
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



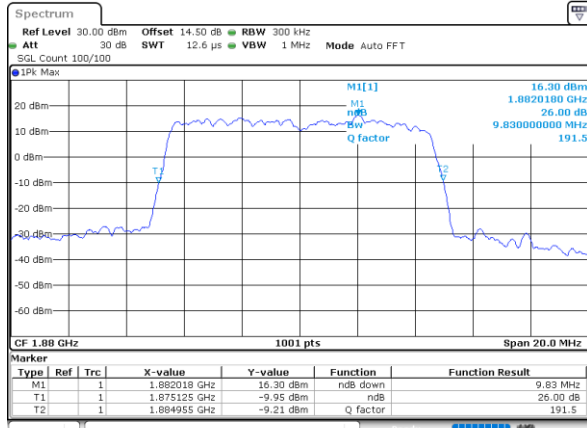
Middle Channel / 5MHz / 16QAM



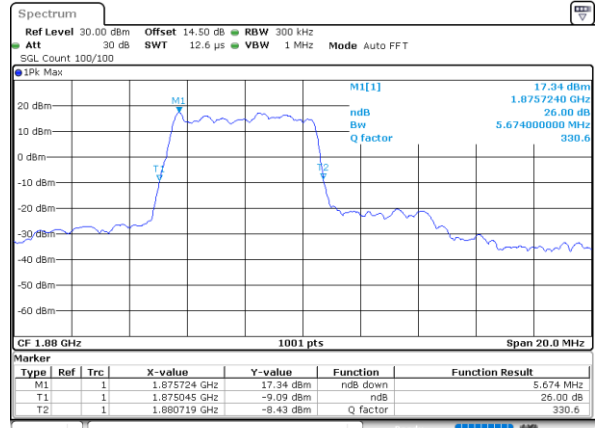


LTE Band 2

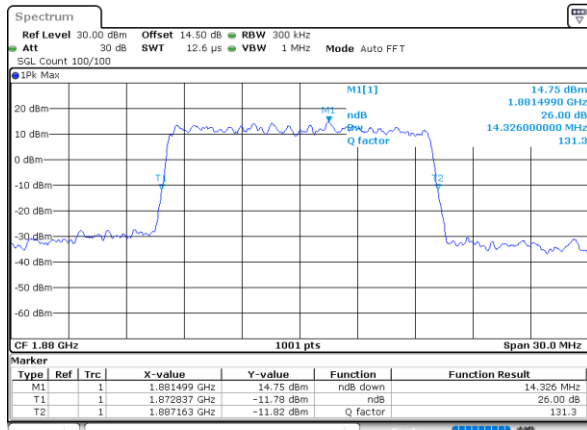
Middle Channel / 10MHz / QPSK



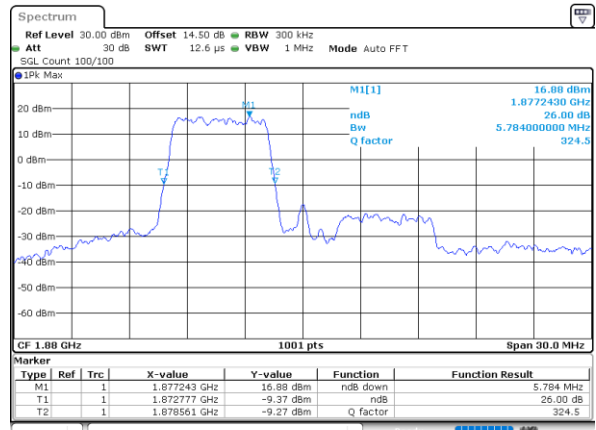
Middle Channel / 10MHz / 16QAM



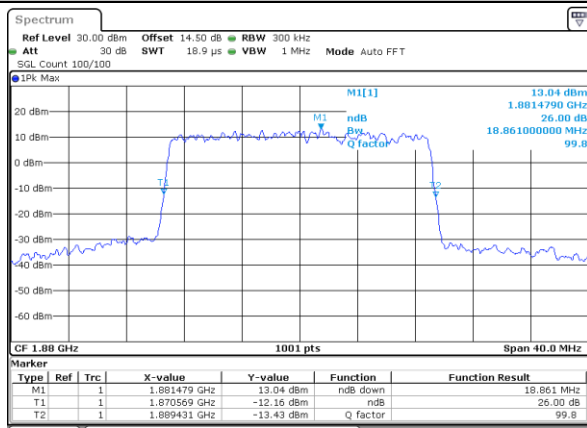
Middle Channel / 15MHz / QPSK



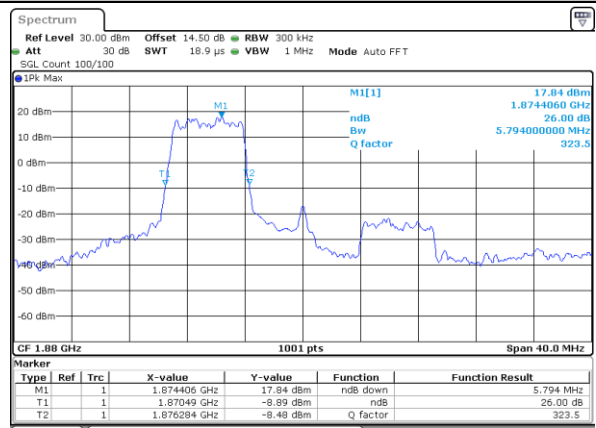
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM





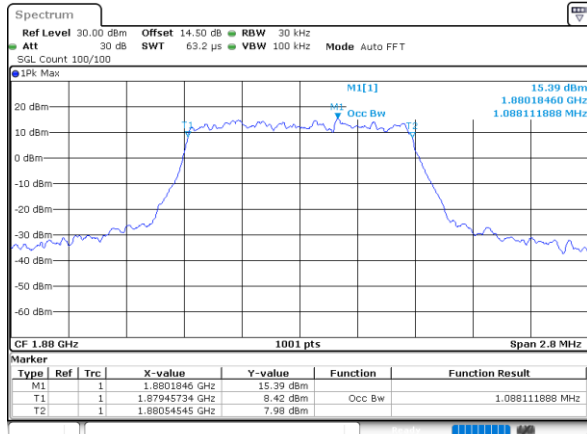
Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.10	2.73	2.72	4.48	4.49	9.05	4.98	13.46	5.03	17.78	5.03

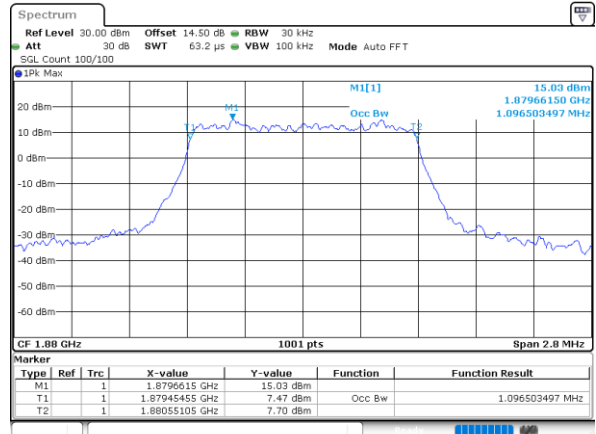


LTE Band 2

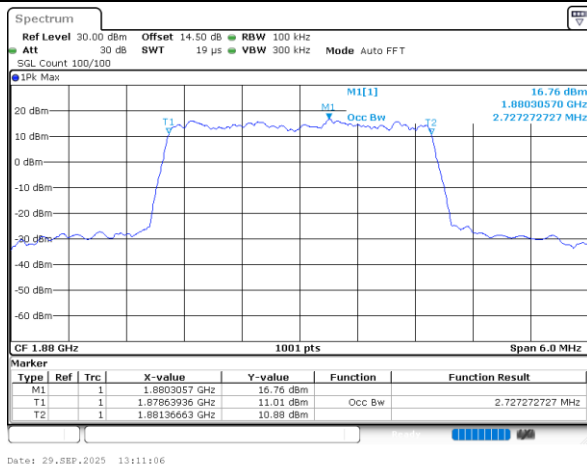
Middle Channel / 1.4MHz / QPSK



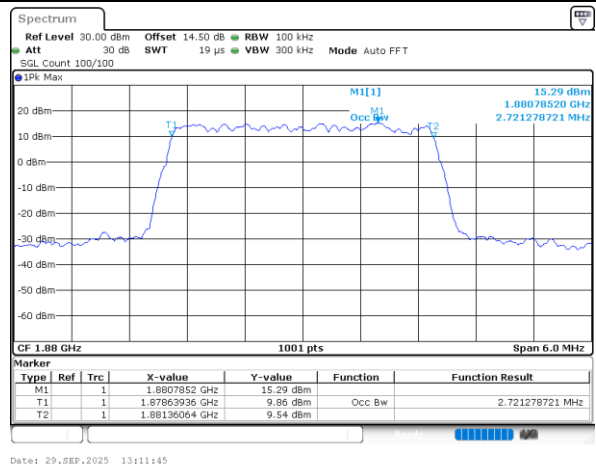
Middle Channel / 1.4MHz / 16QAM



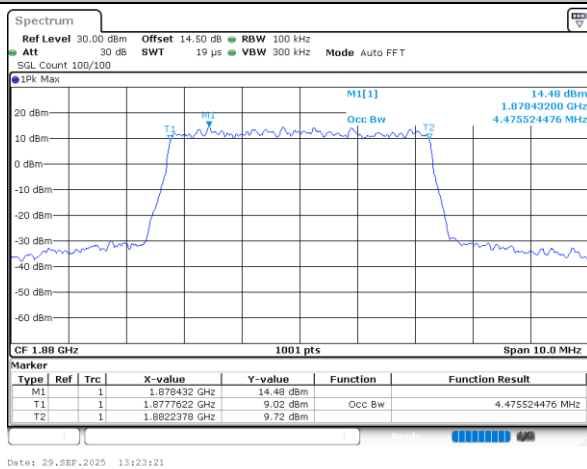
Middle Channel / 3MHz / QPSK



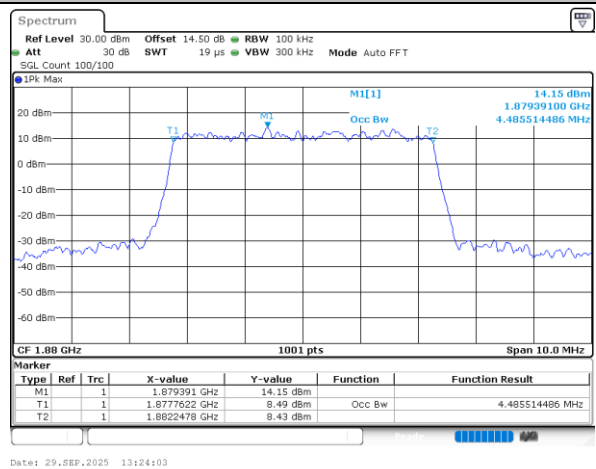
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



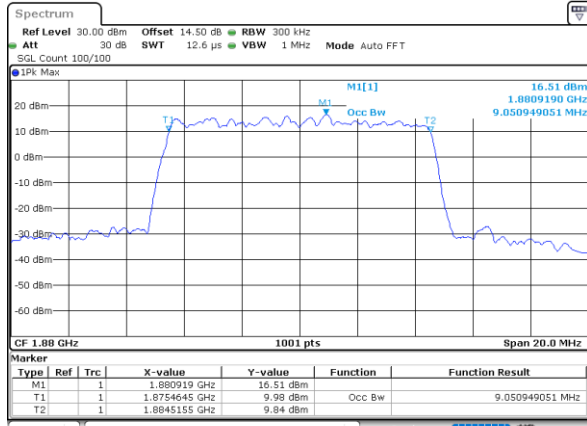
Middle Channel / 5MHz / 16QAM



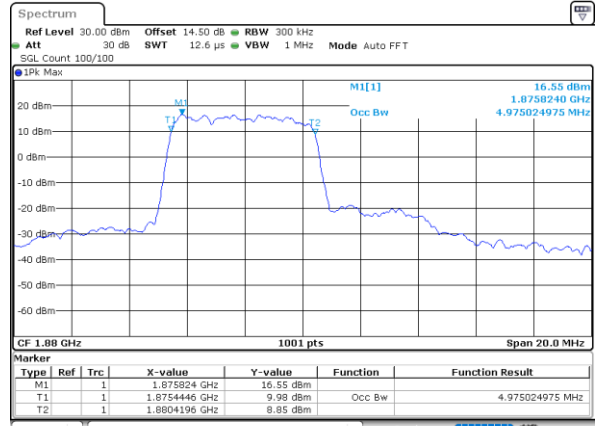


LTE Band 2

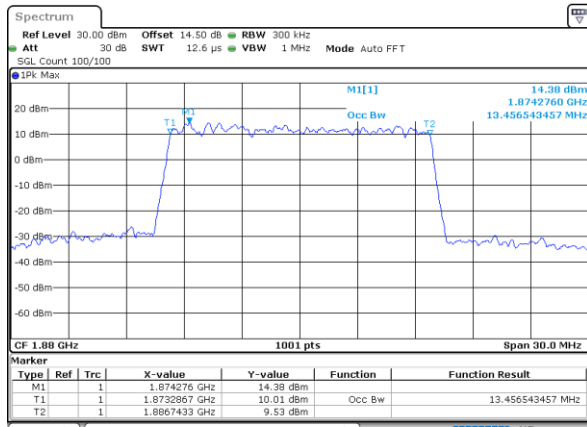
Middle Channel / 10MHz / QPSK



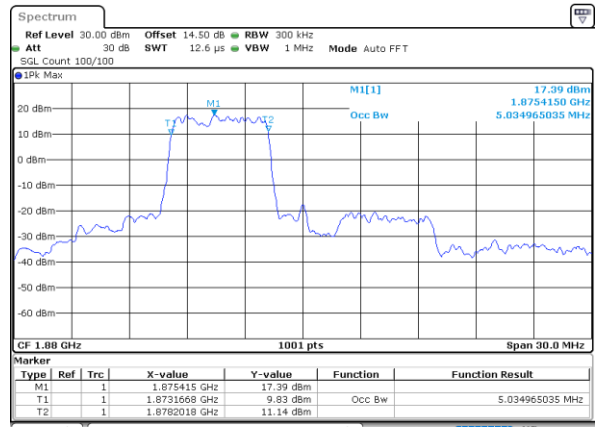
Middle Channel / 10MHz / 16QAM



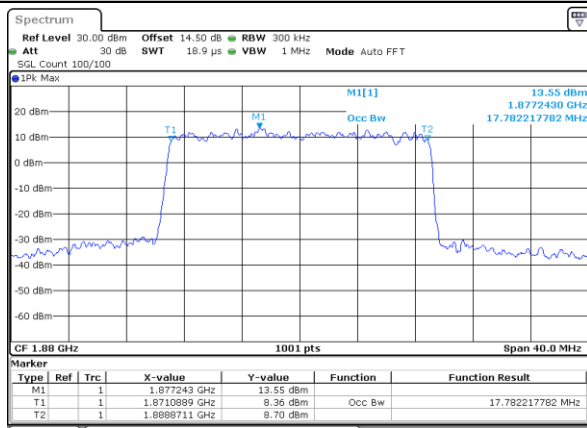
Middle Channel / 15MHz / QPSK



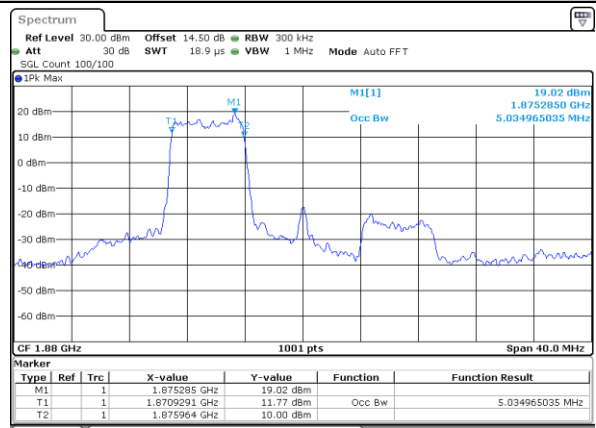
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

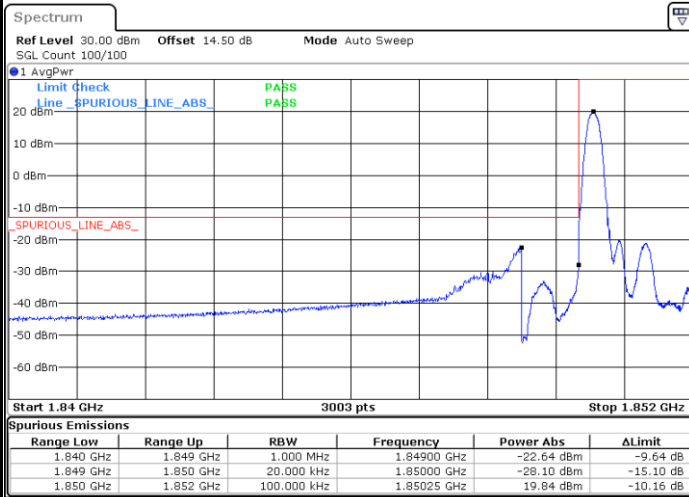




Conducted Band Edge

LTE Band 2 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



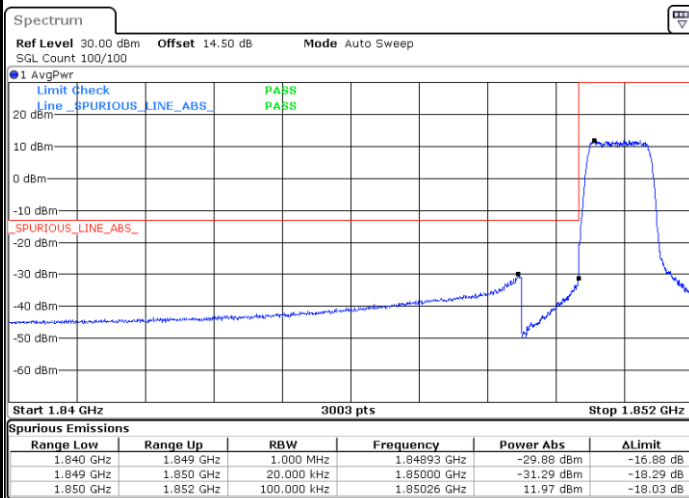
Date: 29.SEP.2025 10:40:33

Highest Band Edge / 1RB



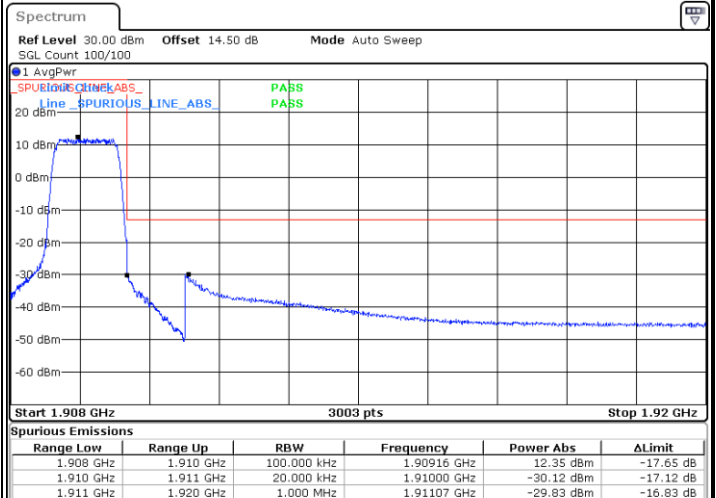
Date: 29.SEP.2025 10:46:34

Lowest Band Edge / Full RB



Date: 29.SEP.2025 10:42:54

Highest Band Edge / Full RB

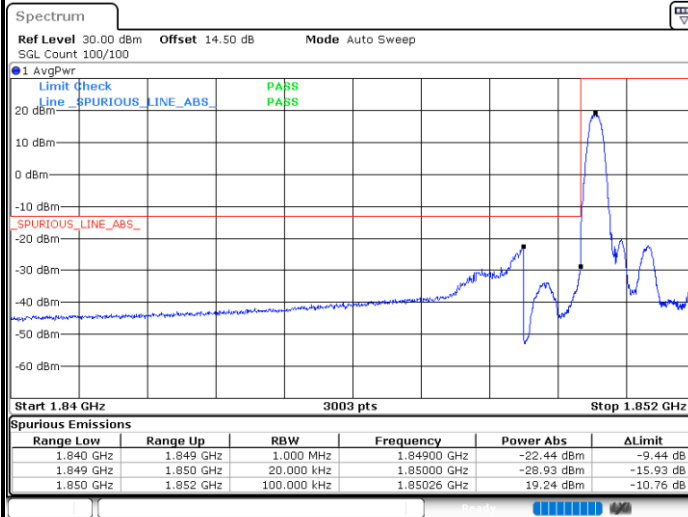


Date: 29.SEP.2025 10:48:56

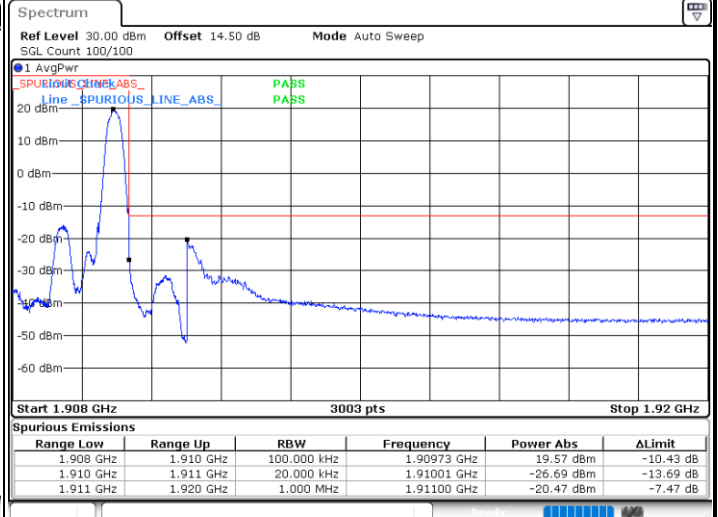


LTE Band 2 / 1.4MHz / 16QAM

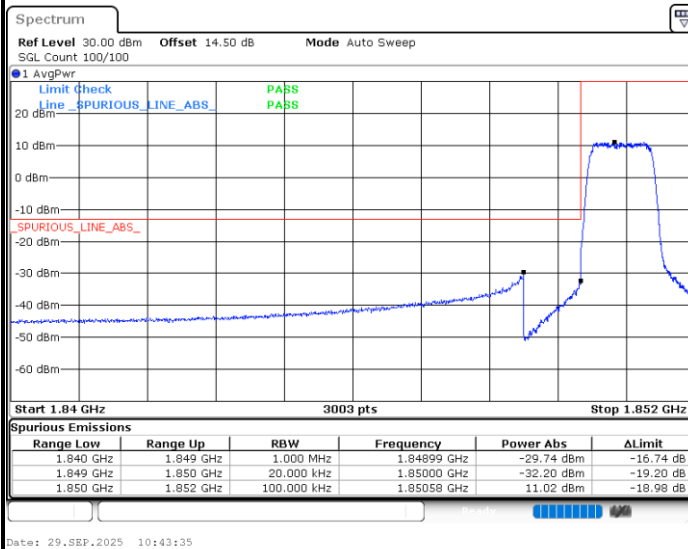
Lowest Band Edge / 1 RB



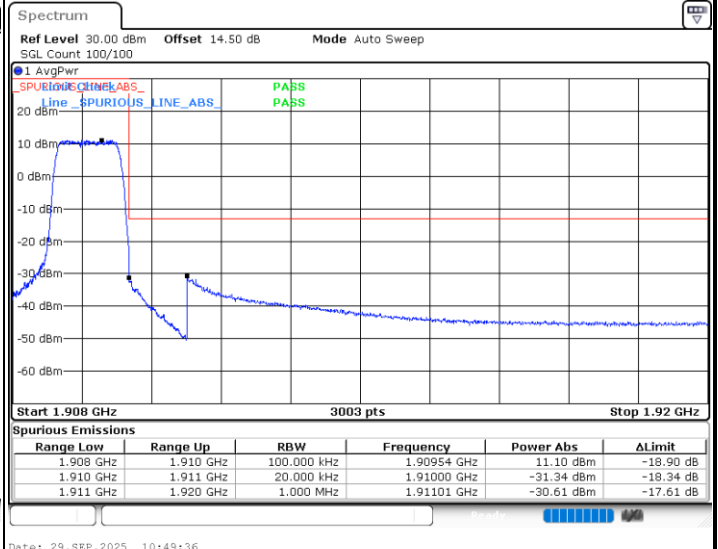
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



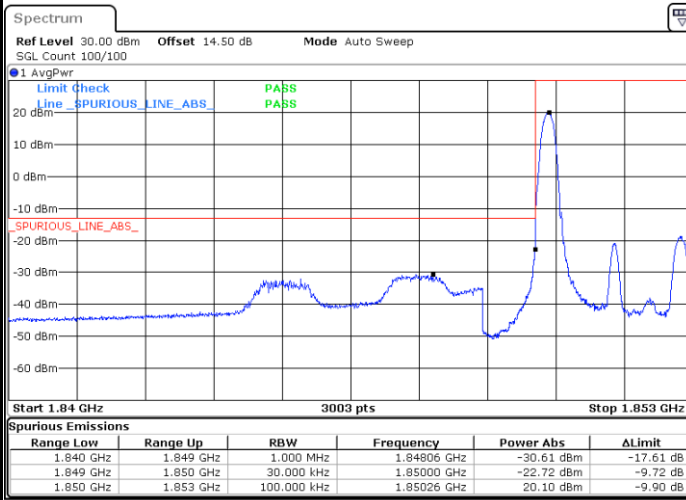
Highest Band Edge / Full RB



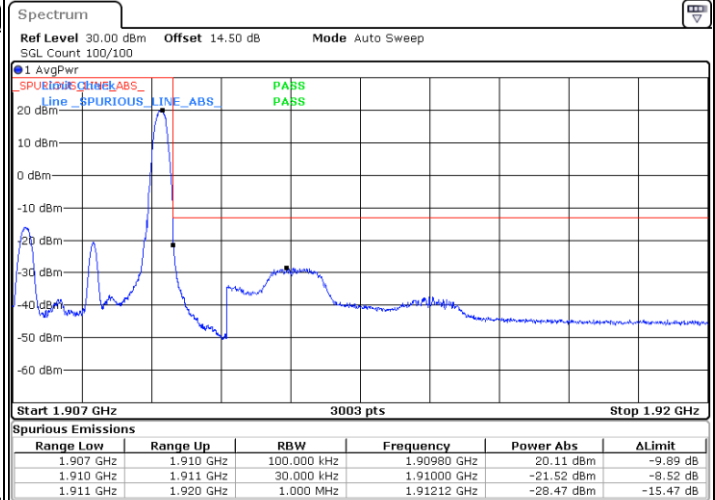


LTE Band 2 / 3MHz / QPSK

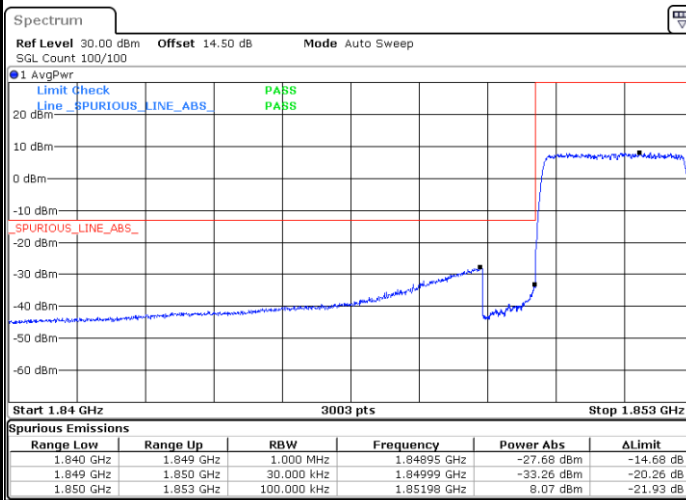
Lowest Band Edge / 1RB



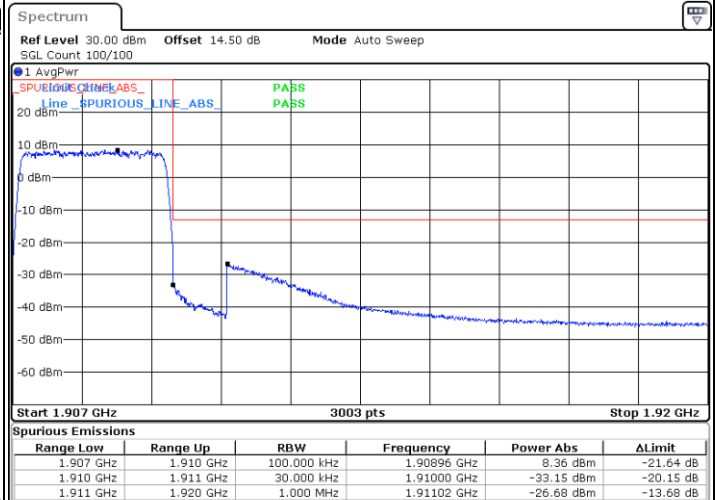
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



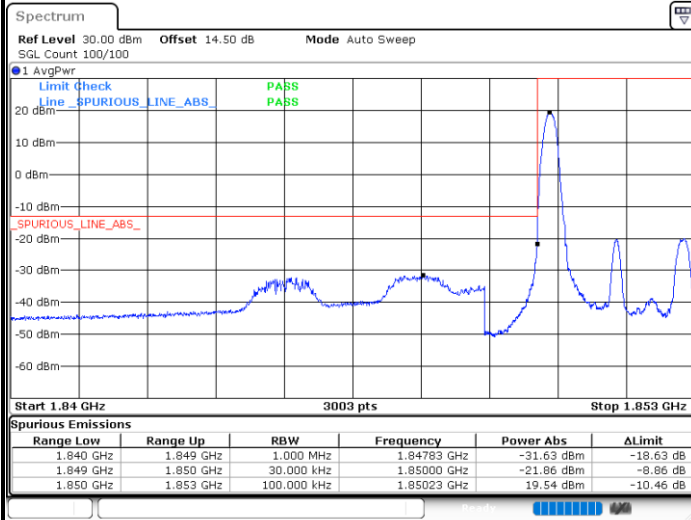
Highest Band Edge / Full RB



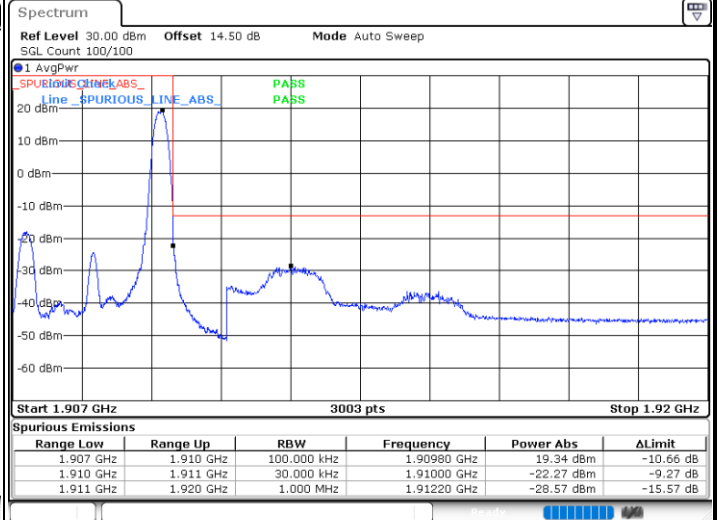


LTE Band 2 / 3MHz / 16QAM

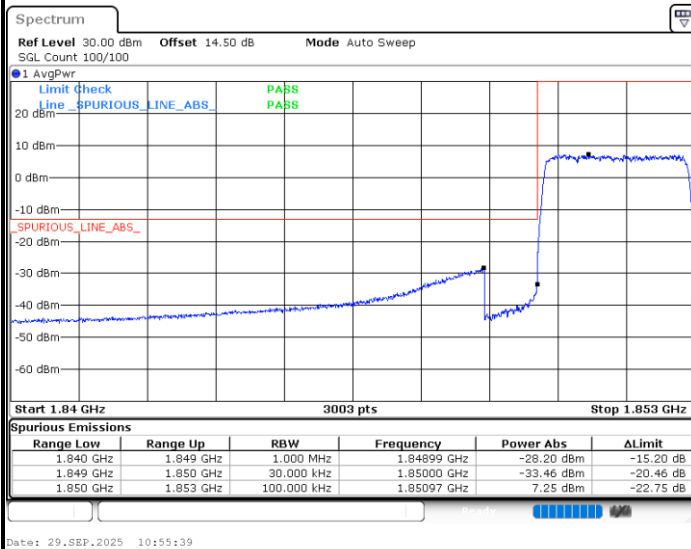
Lowest Band Edge / 1 RB



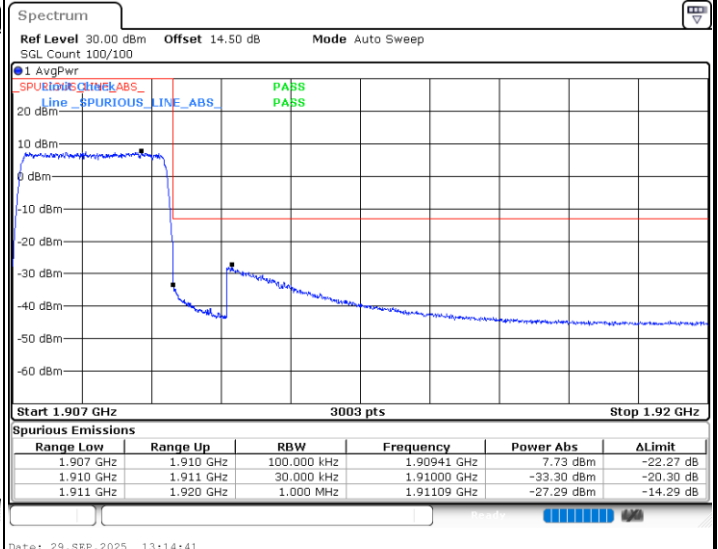
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



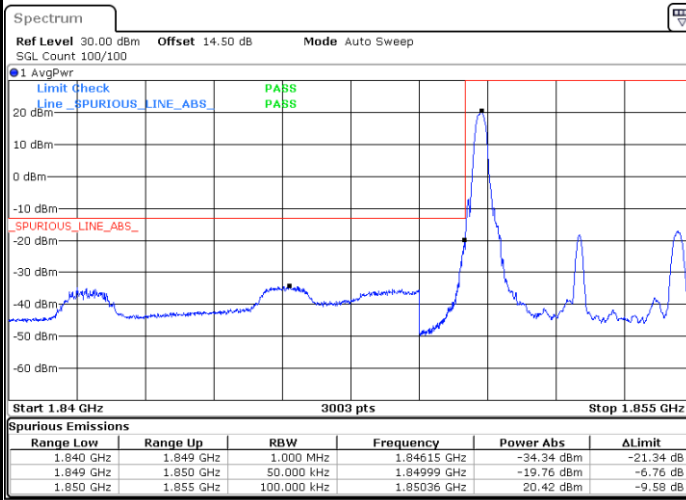
Highest Band Edge / Full RB



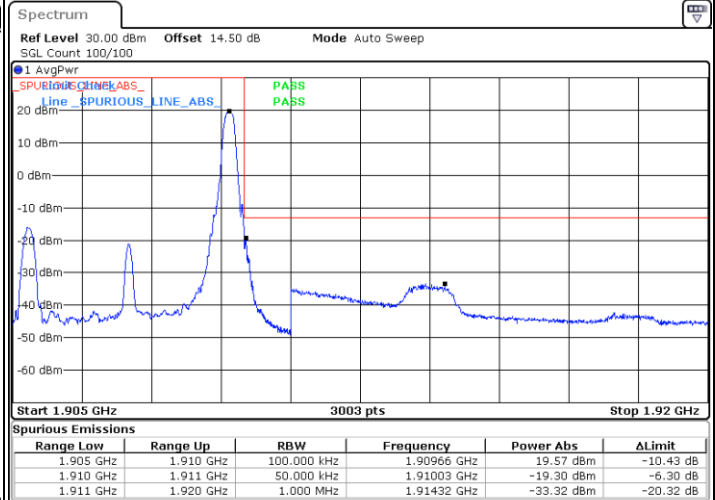


LTE Band 2 / 5MHz / QPSK

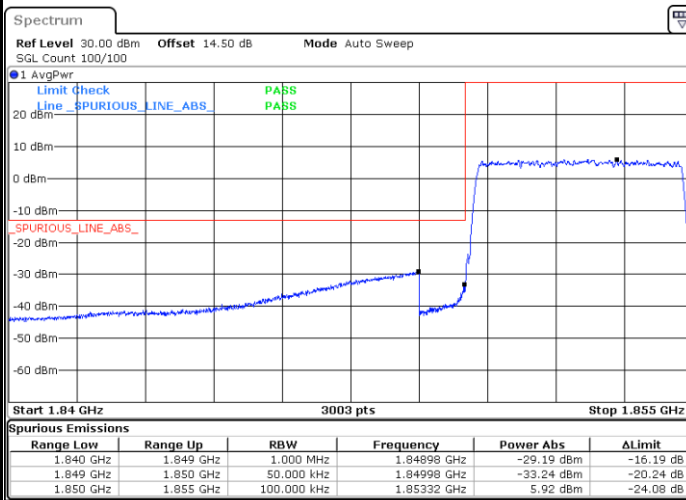
Lowest Band Edge / 1RB



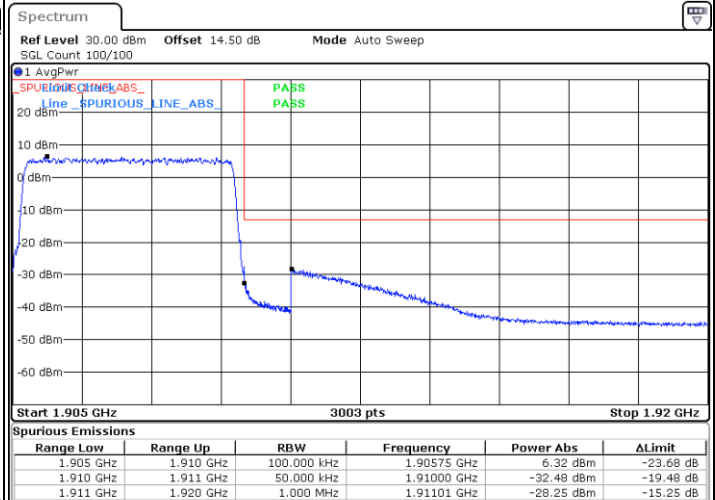
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



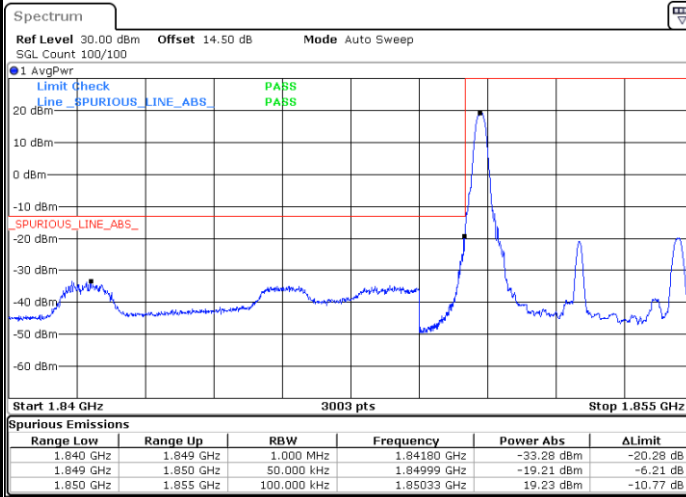
Highest Band Edge / Full RB



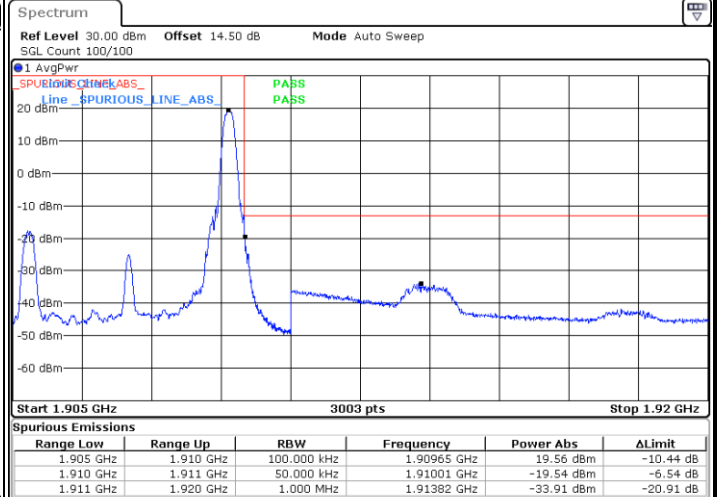


LTE Band 2 / 5MHz / 16QAM

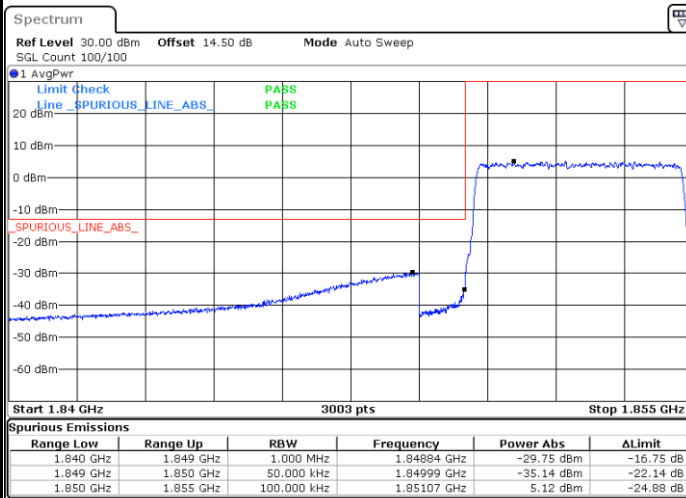
Lowest Band Edge / 1 RB



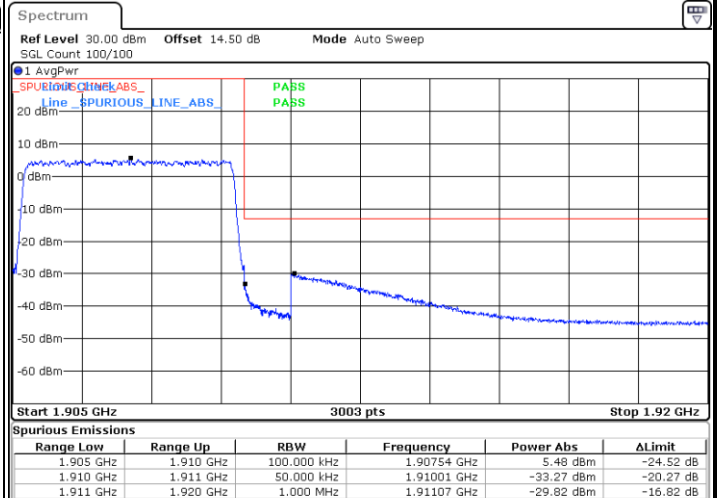
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



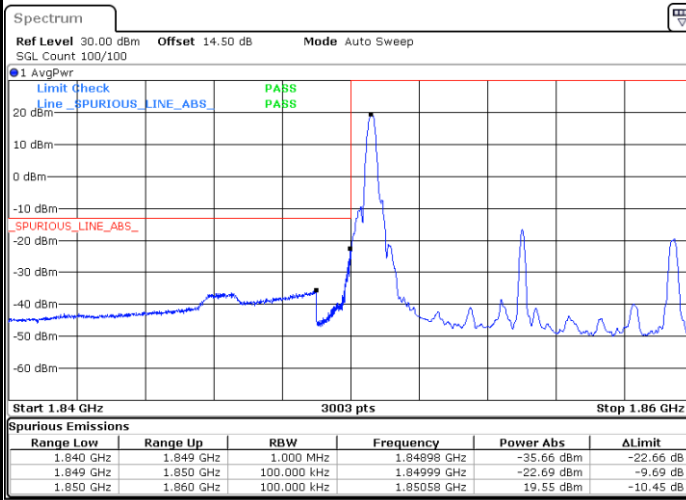
Highest Band Edge / Full RB



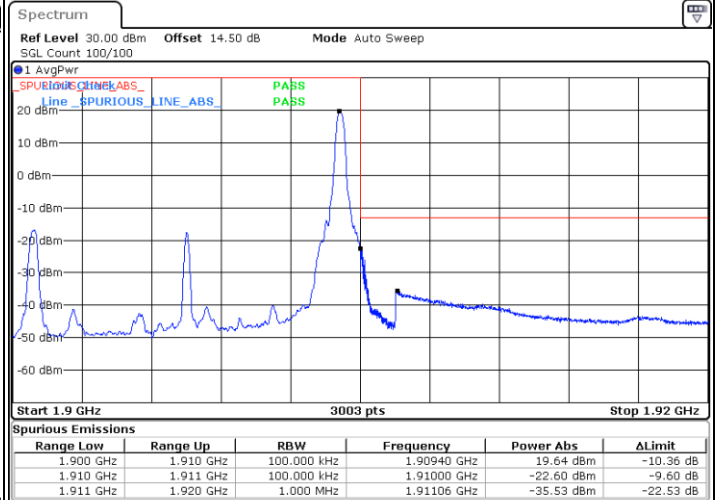


LTE Band 2 / 10MHz / QPSK

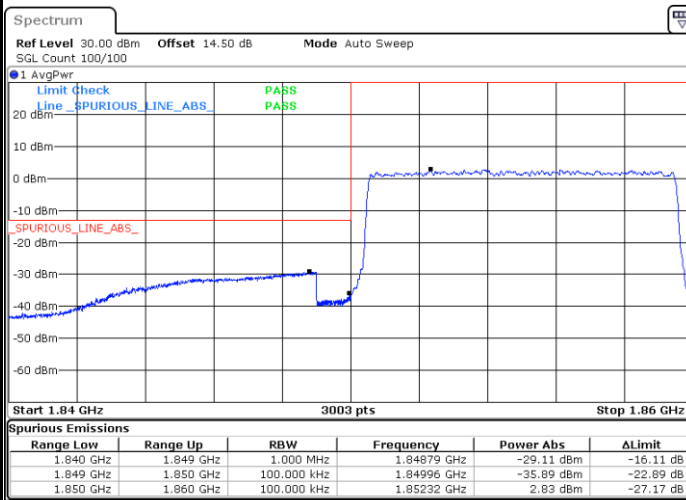
Lowest Band Edge / 1RB



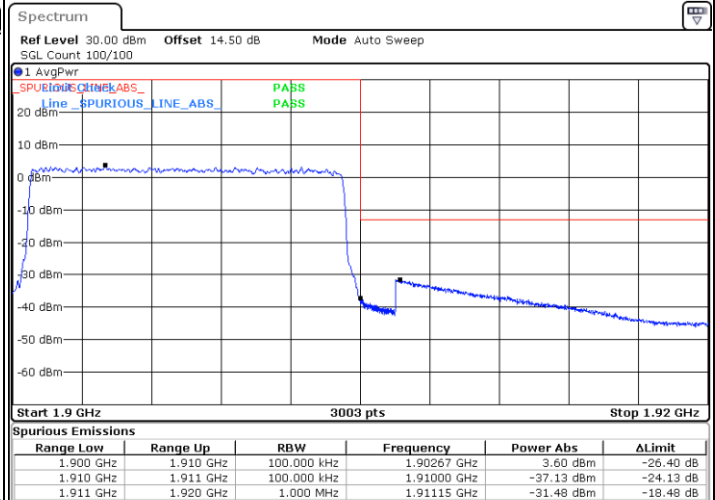
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



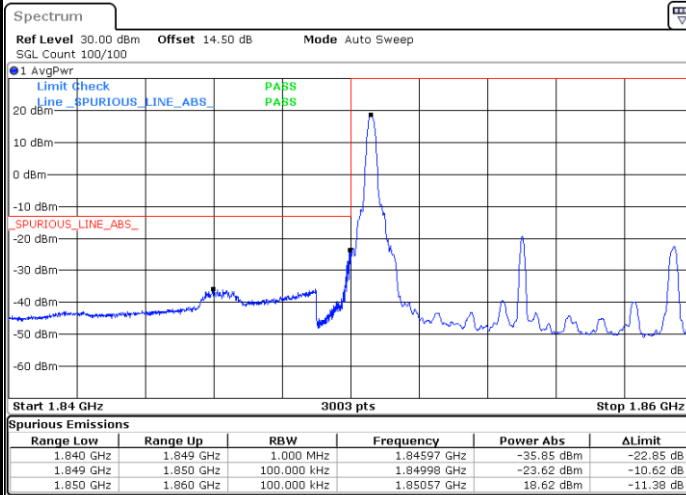
Highest Band Edge / Full RB



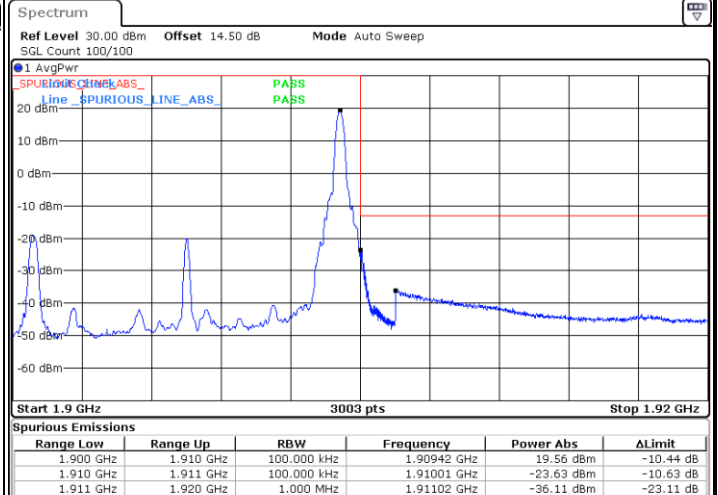


LTE Band 2 / 10MHz / 16QAM

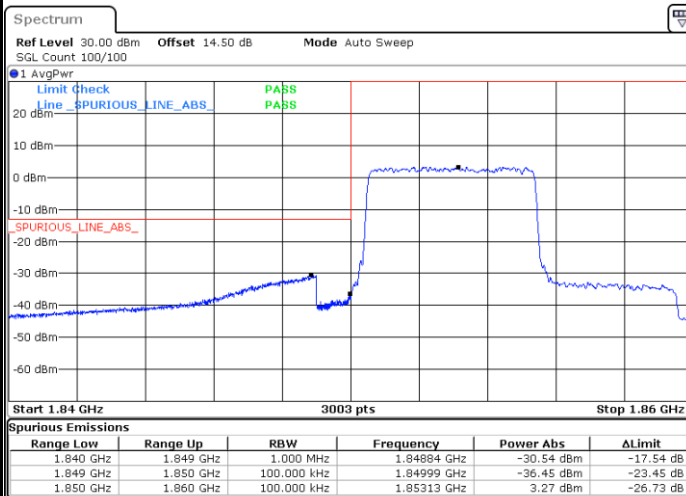
Lowest Band Edge / 1 RB



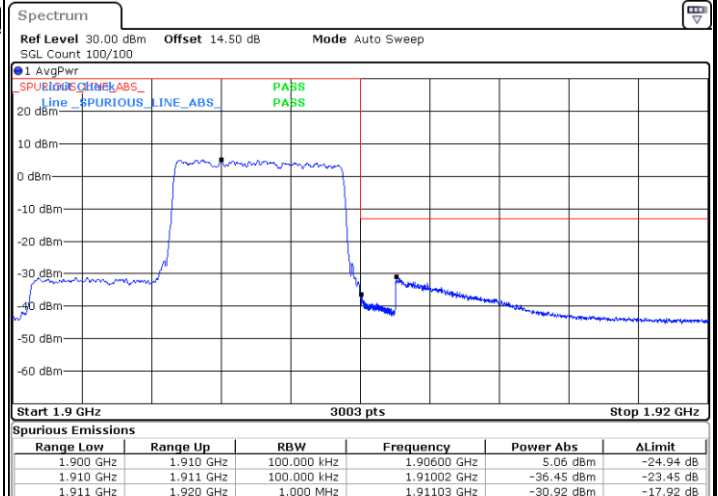
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



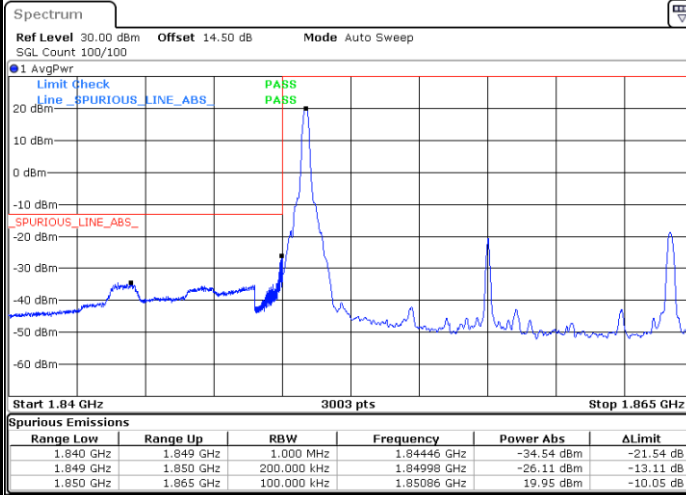
Highest Band Edge / Full RB



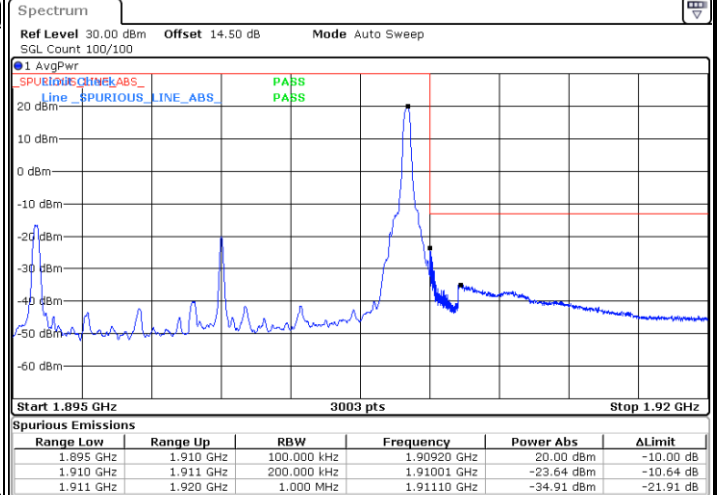


LTE Band 2 / 15MHz / QPSK

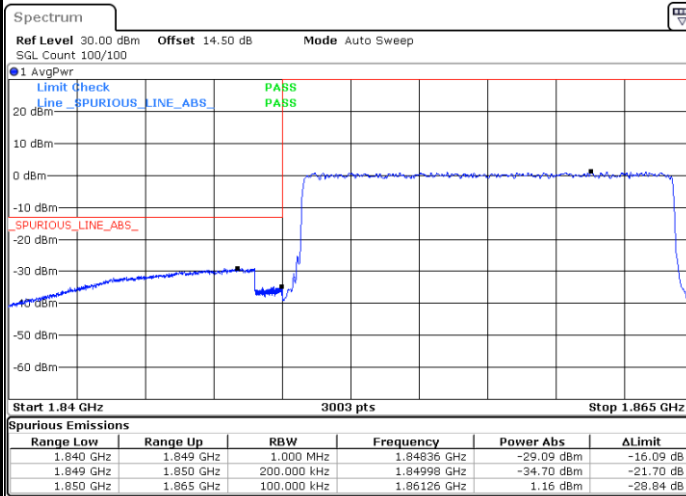
Lowest Band Edge / 1RB



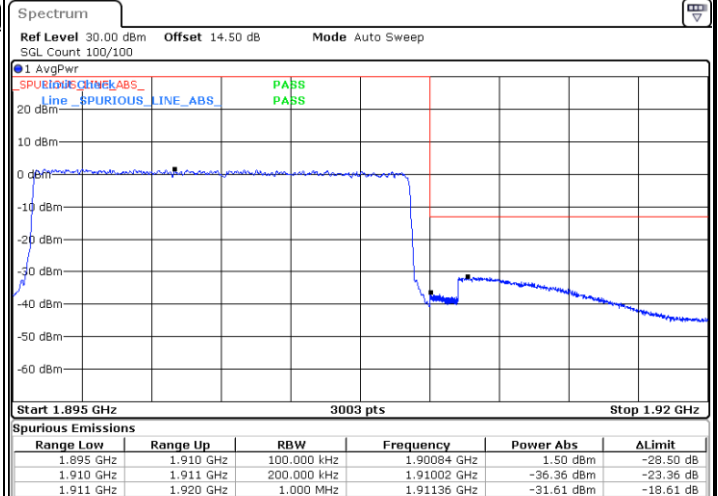
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



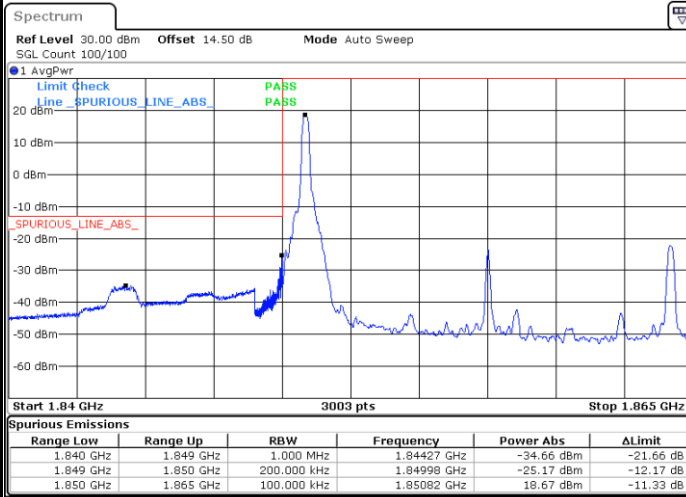
Highest Band Edge / Full RB



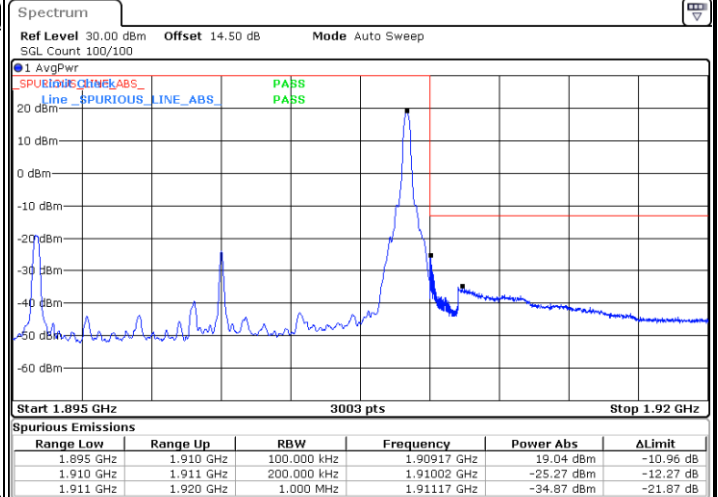


LTE Band 2 / 15MHz / 16QAM

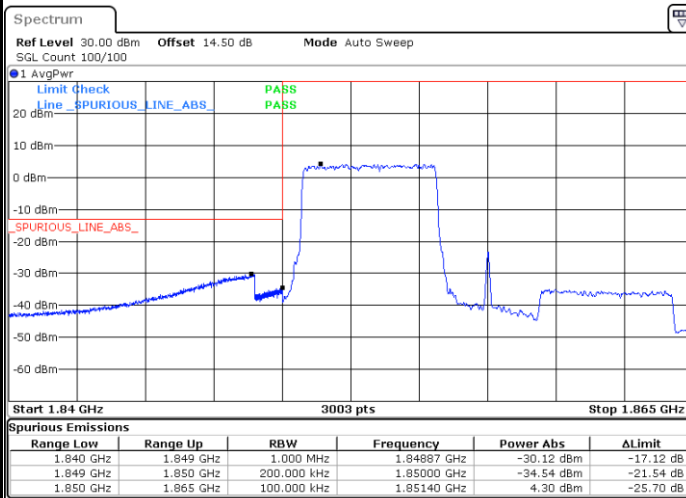
Lowest Band Edge / 1 RB



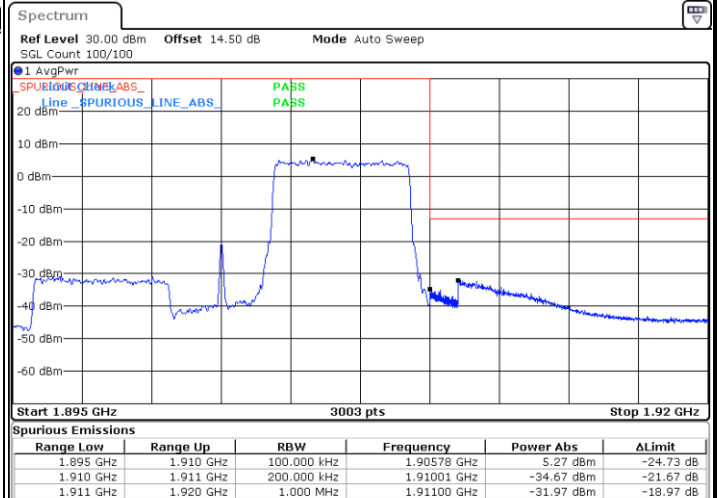
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



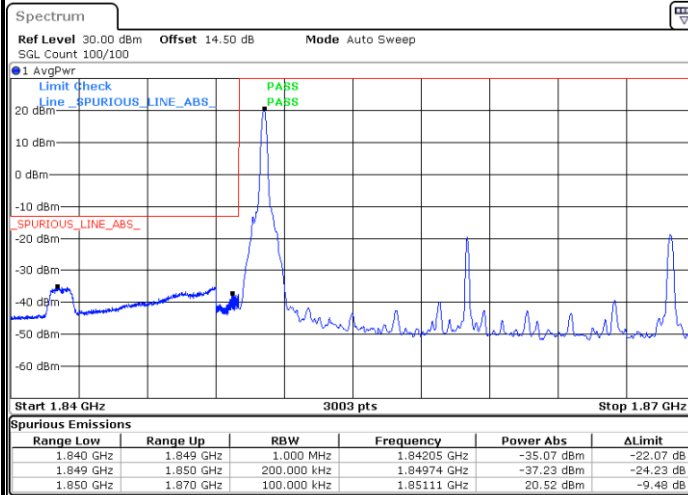
Highest Band Edge / Full RB



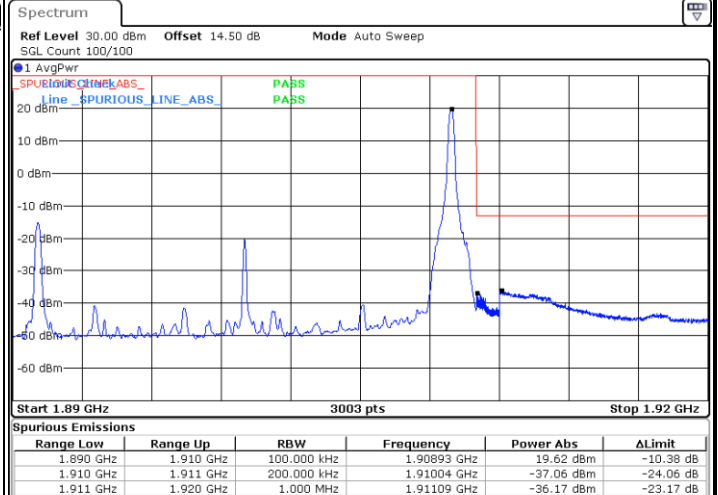


LTE Band 2 / 20MHz / QPSK

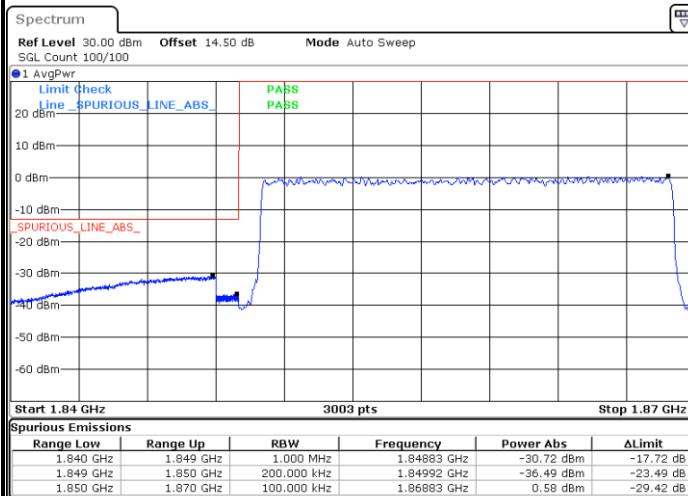
Lowest Band Edge / 1RB



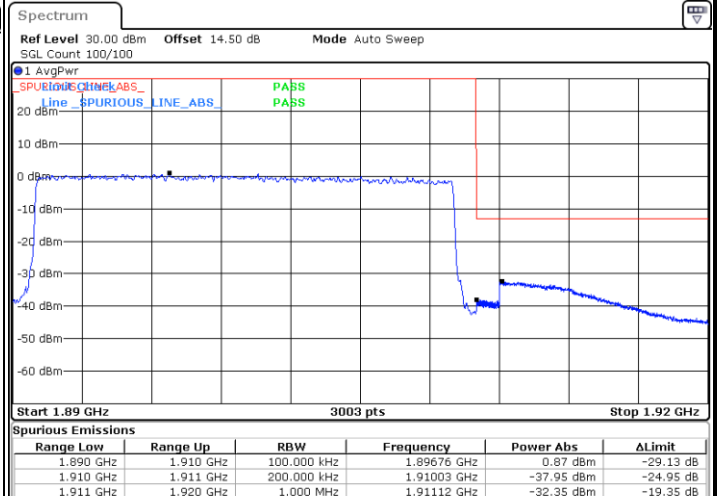
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



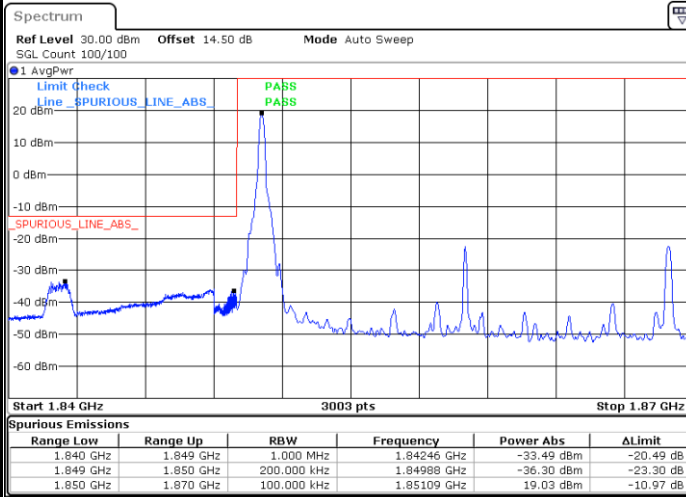
Highest Band Edge / Full RB



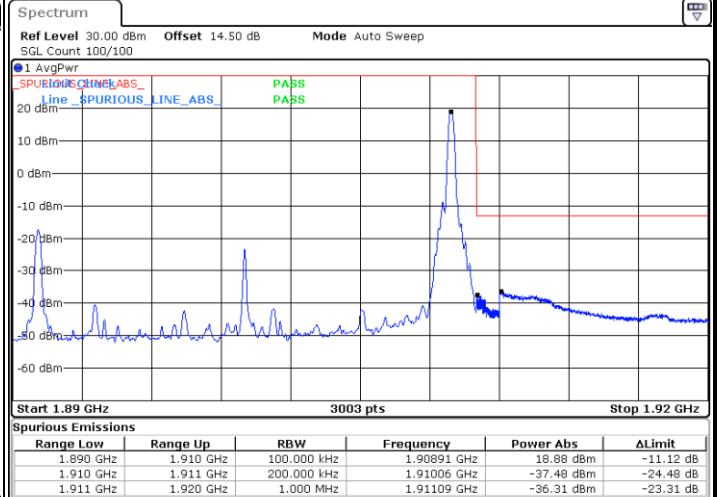


LTE Band 2 / 20MHz / 16QAM

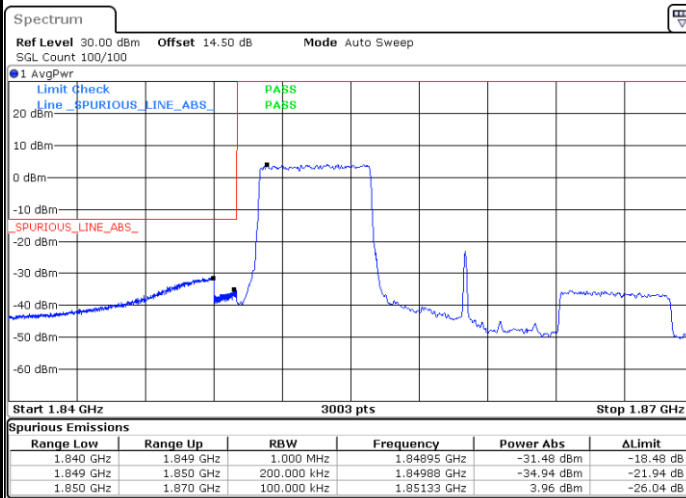
Lowest Band Edge / 1 RB



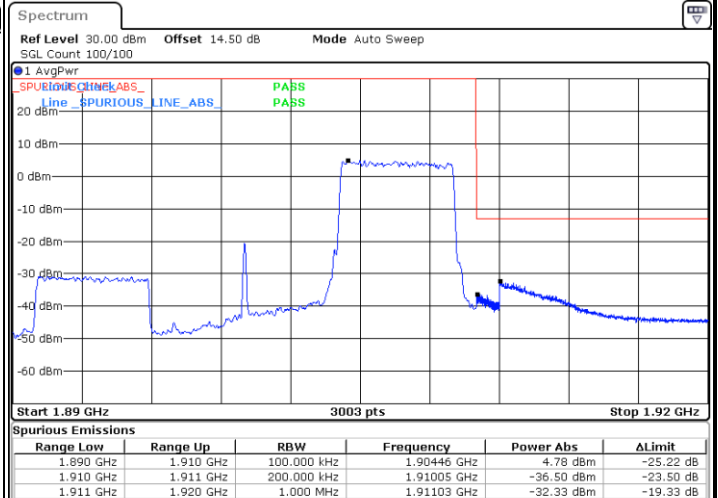
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

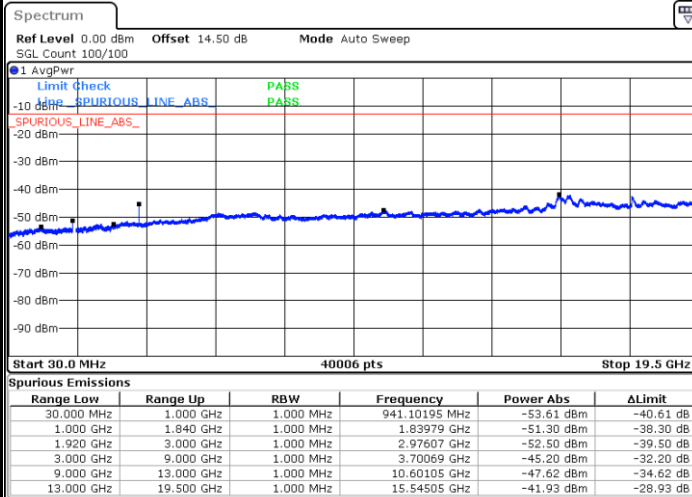




Conducted Spurious Emission

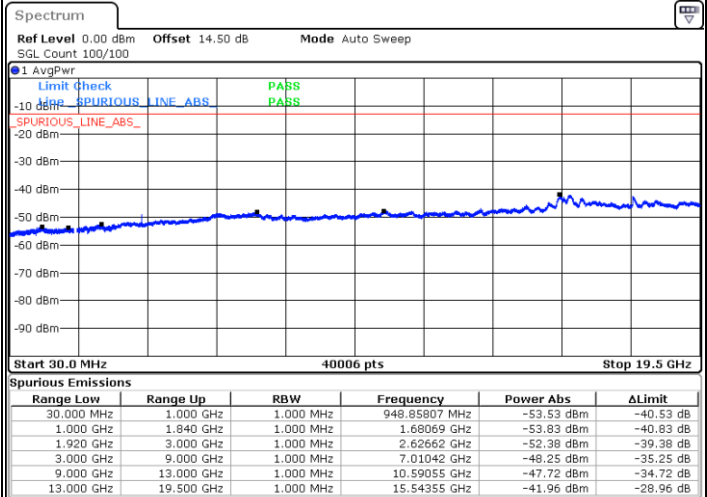
LTE Band 2 / 1.4MHz

Lowest Channel / QPSK



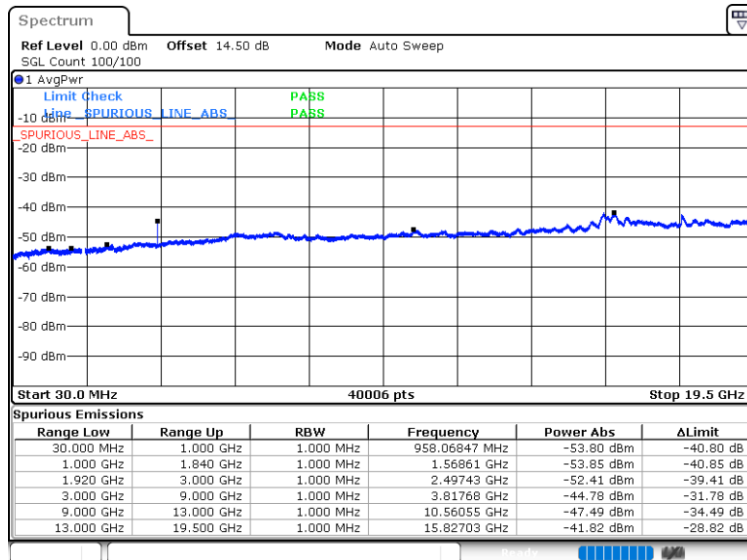
Date: 29.SEP.2025 10:42:14

Middle Channel / QPSK



Date: 29.SEP.2025 10:44:35

Highest Channel / QPSK

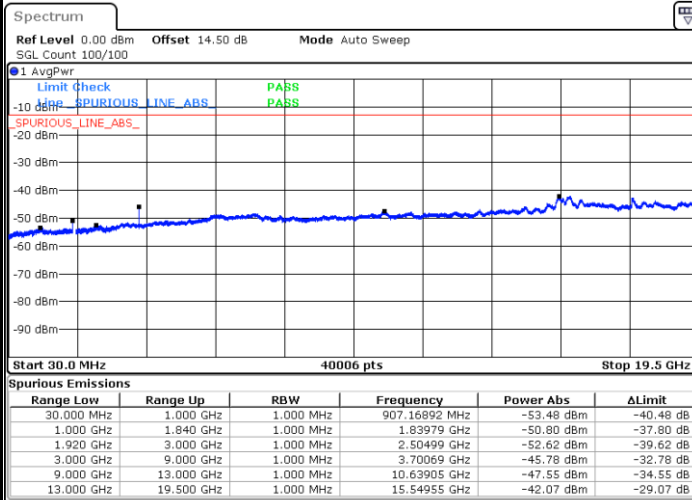


Date: 29.SEP.2025 10:48:15



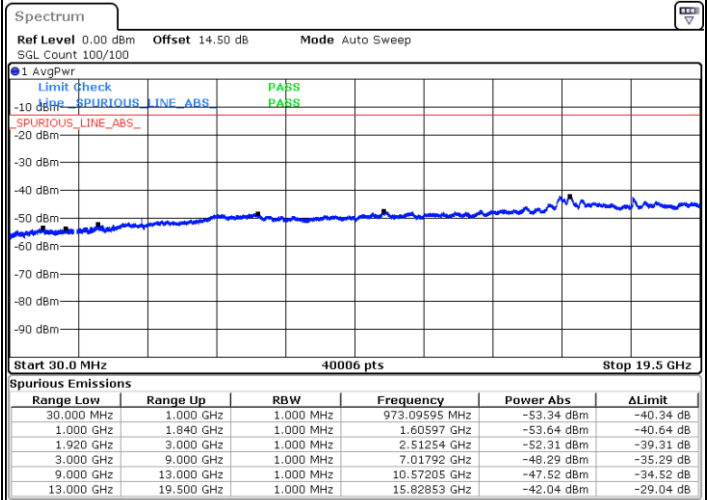
LTE Band 2 / 3MHz

Lowest Channel / QPSK



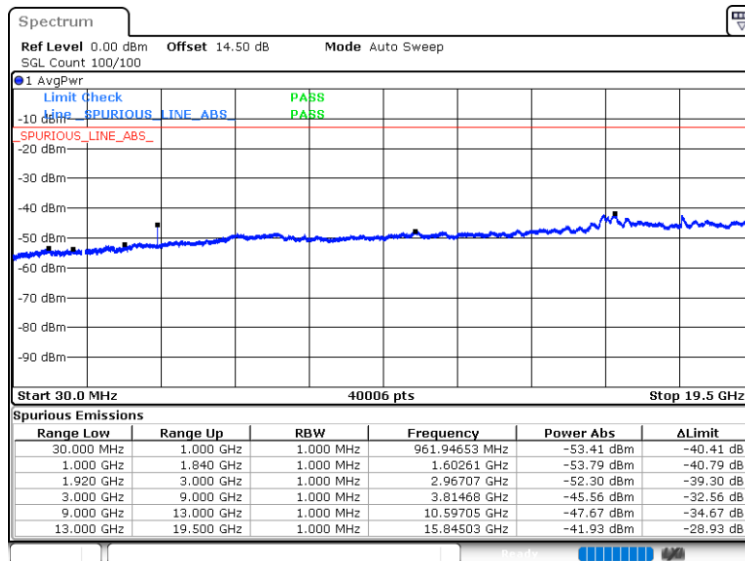
Date: 29.SEP.2025 10:54:18

Middle Channel / QPSK



Date: 29.SEP.2025 13:10:39

Highest Channel / QPSK

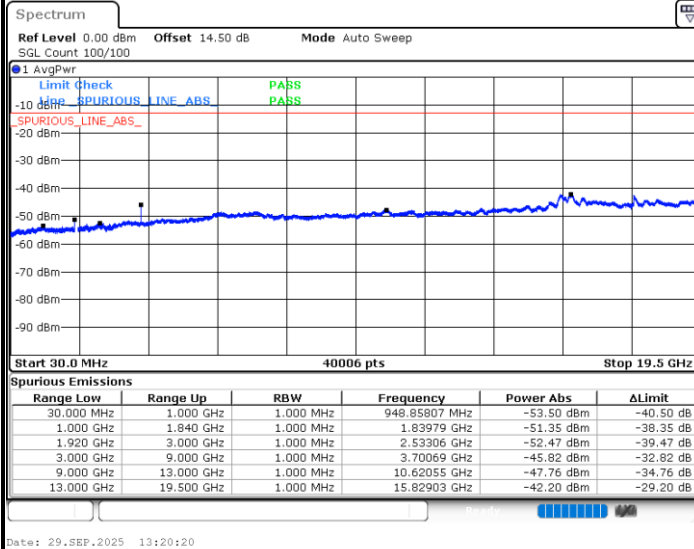


Date: 29.SEP.2025 13:15:42

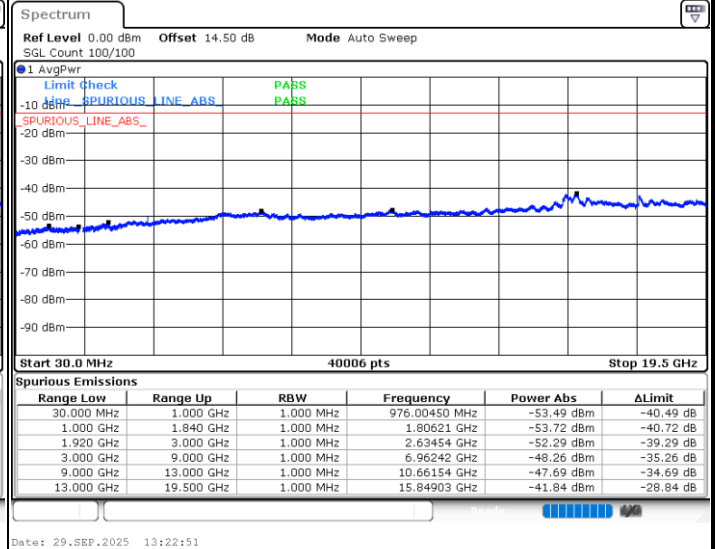


LTE Band 2 / 5MHz

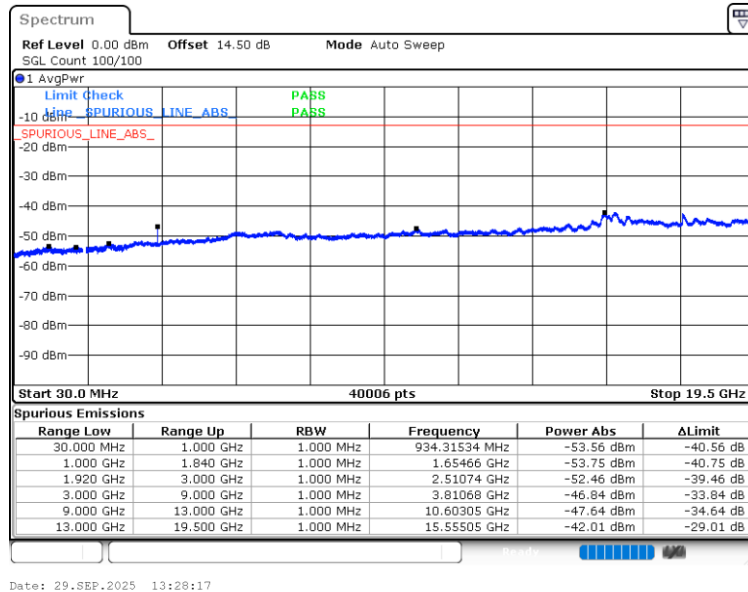
Lowest Channel / QPSK



Middle Channel / QPSK



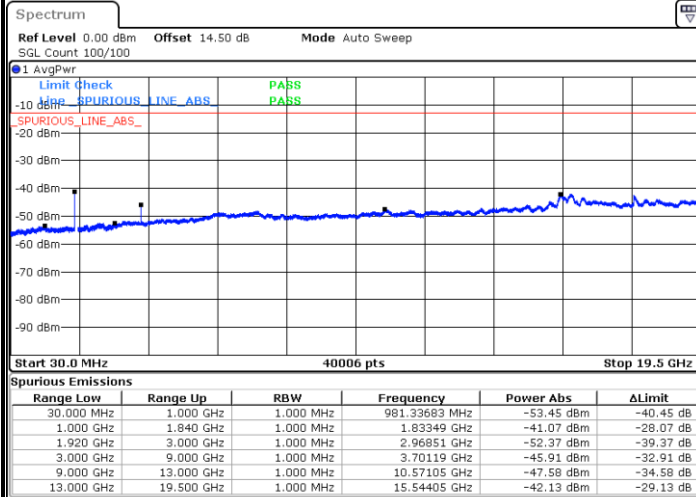
Highest Channel / QPSK





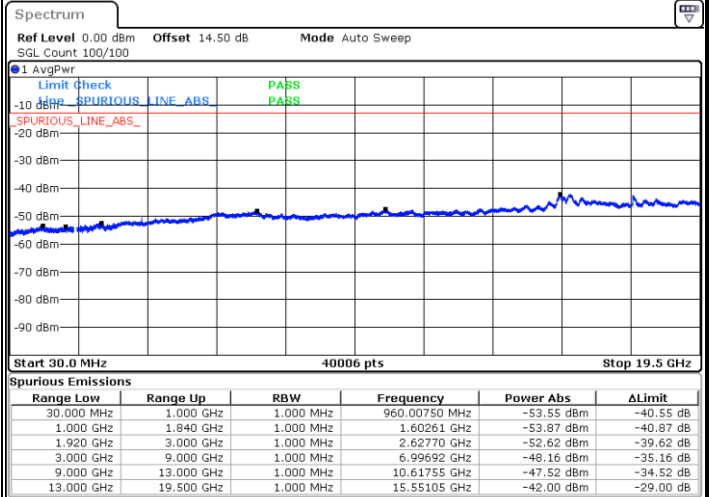
LTE Band 2 / 10MHz

Lowest Channel / QPSK



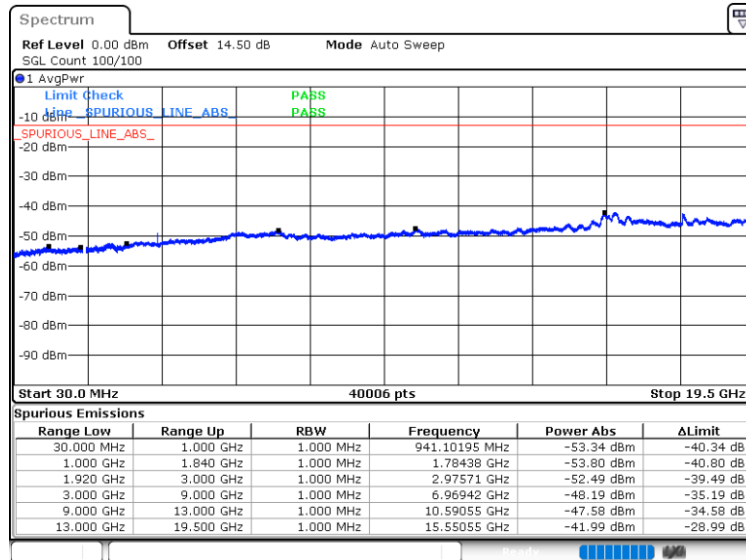
Date: 29.SEP.2025 13:31:38

Middle Channel / QPSK



Date: 29.SEP.2025 13:32:41

Highest Channel / QPSK

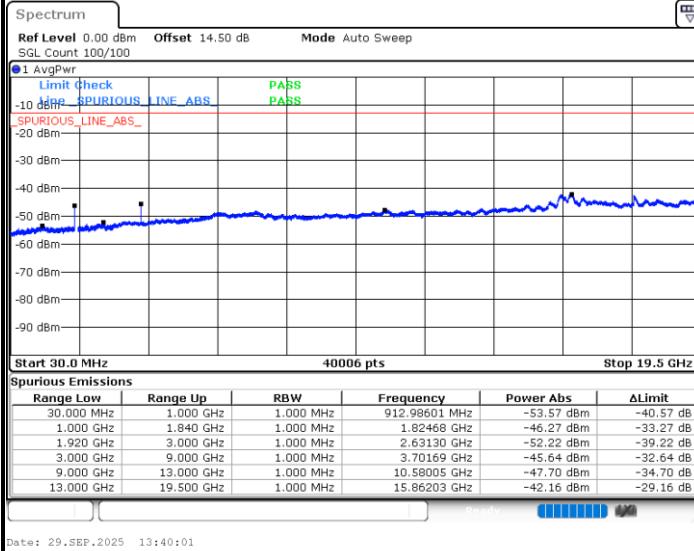


Date: 29.SEP.2025 13:36:40

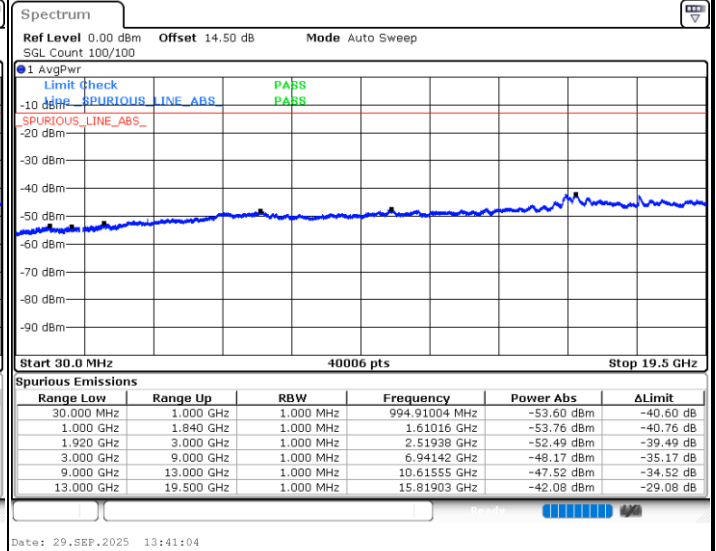


LTE Band 2 / 15MHz

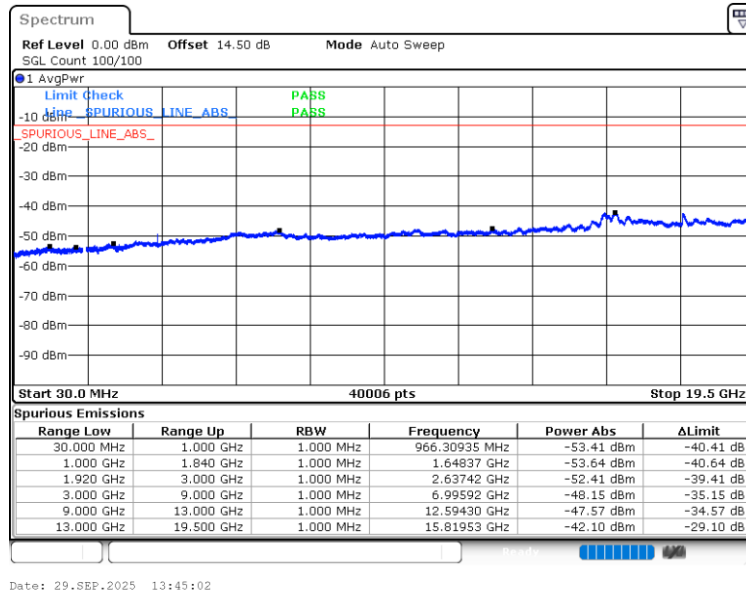
Lowest Channel / QPSK



Middle Channel / QPSK



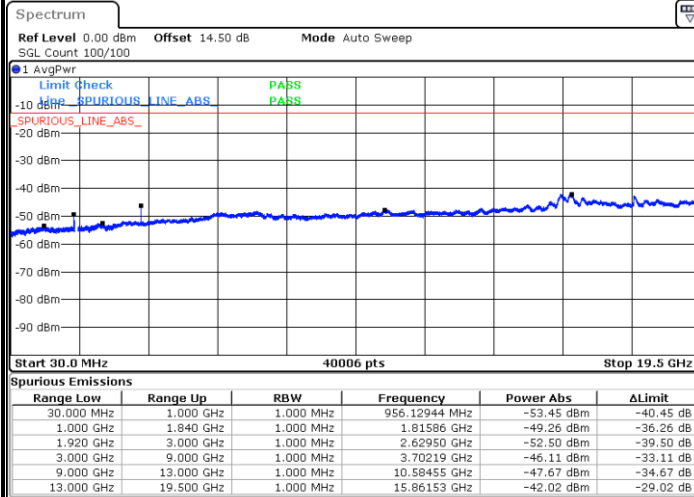
Highest Channel / QPSK





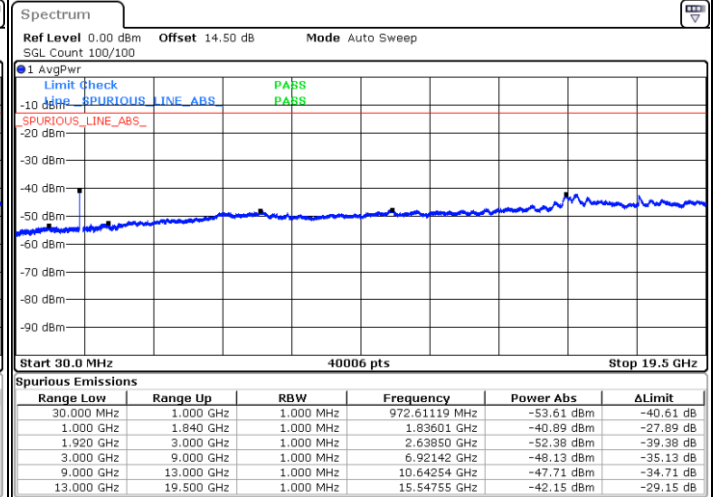
LTE Band 2 / 20MHz

Lowest Channel / QPSK



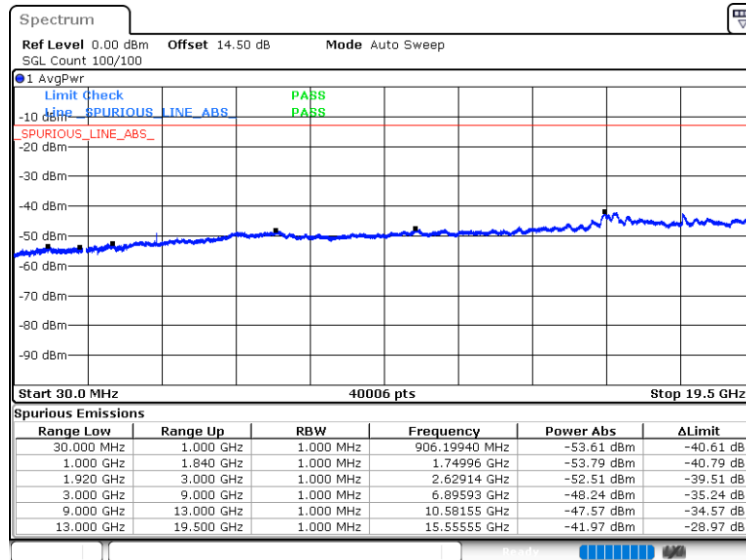
Date: 29.SEP.2025 13:48:22

Middle Channel / QPSK



Date: 29.SEP.2025 13:49:25

Highest Channel / QPSK



Date: 29.SEP.2025 13:56:06