

FCC RF Test Report

APPLICANT : Lenovo(Shanghai) Electronics Technology Co., Ltd.
EQUIPMENT : Portable Tablet Computer
BRAND NAME : Lenovo
MODEL NAME : TB353ZA
FCC ID : O57TB353ZA
STANDARD : 47 CFR Part 27 Subpart Q
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Mar. 10, 2026 ~ Mar. 11, 2026

We, Sporton International Inc. (Kunshan), 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.

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

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (Kunshan)

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People's Republic of China**

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG6107270	Rev. 01	Initial issue of report	Apr. 09, 2026

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	—	Report Only	-
3.5	§27.50 (k)(4)	Peak-to-Average Ratio	<13dB	PASS	-
3.6	§27.50 (k)(3)	EIRP	EIRP < 1W (30dBm)	PASS	-
3.7	§2.1049	Occupied Bandwidth	—	Report Only	-
3.8	§2.1051 §27.53 (n)(2)	Conducted Band Edge Measurement	-13dBm/MHz	PASS	-
3.9	§2.1051 §27.53 (n)(2)	Conducted Spurious Emission	-13dBm/MHz	PASS	-
3.10	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within the band	PASS	-
4.4	§2.1053 §27.53 (n)(2)	Radiated Spurious Emission	-13dBm/MHz	PASS	Under limit 36.98 dB at 10356.00 MHz

Conformity Assessment Condition:

- 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.
- 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

Lenovo(Shanghai) Electronics Technology Co., Ltd.

Section 304-305, Building No. 4, # 222, Meiyue Road, China (Shanghai) Pilot Free Trade Zone

1.2 Manufacturer

Lenovo Ireland International Limited

Viscount House, 6/7 Fitzwilliam Square East, Dublin, D02 Y447, Ireland

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Portable Tablet Computer
Brand Name	Lenovo
Model Name	TB353ZA
FCC ID	O57TB353ZA
IMEI Code	Conducted : 861654080005533/861654080005541 Radiation : 861654080005012
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Product Feature	
Tx/Rx Frequency	5G NR n77: 3450 MHz ~ 3550 MHz
SCS	30kHz
Bandwidth	n77: 10 / 15 / 20 / 25 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100MHz
Antenna Gain	<Ant. 1> 5G NR n77: -1.0 dBi <Ant. 2> 5G NR n77: 0.69 dBi <Ant. 3> 5G NR n77: 1.7 dBi <Ant. 5> 5G NR n77: 1.63 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. The maximum EIRP is calculated from max output power and max antenna gain, only the maximum EIRP is shown in the report, 5G NR n77 for Antenna 1.
2. 5G NR n77 support SA and NSA mode. The whole testing has assessed SA mode for n77 by referring to the higher conducted power for conducted test items.
3. The device supports HPUE(PC2) mode for n77
4. All the supported EN-DC combinations are verified conducted power, only the EN-DC combination with highest power are shown in the report.
5. The EN-DC mode combination could be referred to the product spec.

1.5 Modification of EUT

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

1.6 Maximum EIRP Power and Emission Designator

5G NR n77 SA		PI/2 BPSK / QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10	3455.01 ~ 3544.98	0.3006	8M56G7D	0.2388	8M58W7D
15	3457.50 ~ 3542.49	0.3013	13M5G7D	0.2415	13M5W7D
20	3460.02 ~ 3540.00	0.2958	18M2G7D	0.2393	18M2W7D
25	3462.51 ~ 3537.48	0.2965	23M1G7D	0.2404	23M3W7D
30	3465.00 ~ 3534.99	0.3055	27M7G7D	0.2523	27M9W7D
40	3470.01 ~ 3529.98	0.2999	37M8G7D	0.2344	37M8W7D
50	3475.02 ~ 3525.00	0.2985	47M4G7D	0.2438	47M4W7D
60	3480.00 ~ 3519.99	0.2904	57M8G7D	0.2421	57M9W7D
70	3485.01 ~ 3514.98	0.2858	67M5G7D	0.2312	67M5W7D
80	3490.02 ~ 3510.00	0.2831	77M5G7D	0.2307	77M6W7D
90	3495.00 ~ 3504.99	0.2831	87M5G7D	0.2296	87M5W7D
100	3500.01	0.3062	97M6G7D	0.2489	97M6W7D

Note: All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.

1.7 Testing Site

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH04-KS	CN1257	314309

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	CN1256	421272

Test data subcontracted: Conducted test case in section 3.4~3.10 of this report.

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH04-KS	AUDIX	E3	210616

1.9 Applied Standards

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

- 47 CFR Part 27 Subpart Q
- ANSI C63.26-2015
- FCC KDB 971168 Power Meas License Digital Systems D01 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.

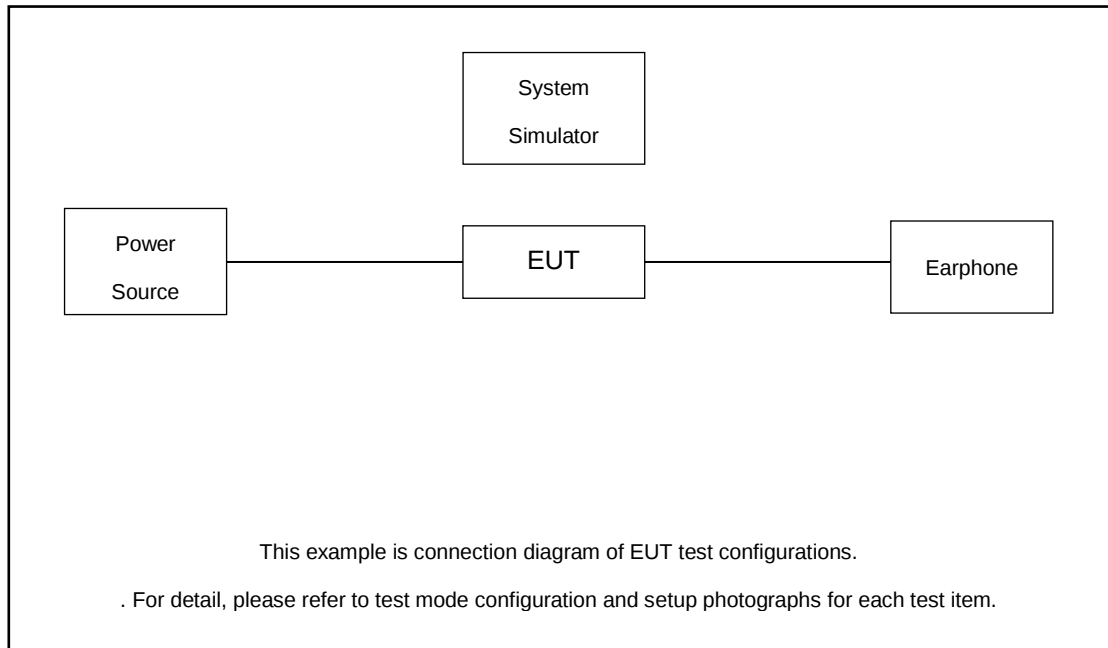
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

Test Cases	Band	Bandwidth (MHz)	Modulation	RB #	Test Channel
		eg. 5M, 10M, 15M, 20M	eg. PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB, Partial RB, Full RB	L/M/H
Max. Output Power	5G n77	10M, 15M, 20M, 25M, 30M, 40M, 50M, 60M, 70M, 80M, 90M, 100M	All Modulations	1RB, Full RB	L, M, H
Peak-to-Average Ratio	5G n77	20M	PI/2 BPSK, QPSK	1RB, Full RB	M
E.I.R.P	5G n77	10M, 15M, 20M, 25M, 30M, 40M, 50M, 60M, 70M, 80M, 90M, 100M	All Modulations	1RB, Full RB	L, M, H
26dB and 99% Bandwidth	5G n77	10M, 15M, 20M, 25M, 30M, 40M, 50M, 60M, 70M, 80M, 90M, 100M	All Modulations	Full RB	M
Conducted Band Edge	5G n77	10M, 50M, 100M	PI/2 BPSK, QPSK	1RB, Full RB	L, H
Conducted Spurious Emission	5G n77	10M, 50M, 100M	PI/2 BPSK, QPSK	1RB	L, M, H
Frequency Stability	5G n77	20M	QPSK	Full RB	M
Radiated Spurious Emission	5G n77	Worst case from maximum power			M

Note:

1. 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.
2. Frequency Stability: Normal Voltage = 3.91V ; Low Voltage =3.5V.; High Voltage =4.5V.

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.	Power Supply	GWINSTEK	PSS-2002	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
3.	NR Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m
4.	Earphone1	Moto	N/A	N/A	N/A	N/A

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 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.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 8.9 dB.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)}. \\ &= 8.9 \text{ (dB)} \end{aligned}$$

2.5 Frequency List of Low/Middle/High Channels

5G n77 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	-	633334	-
	Frequency	-	3500.01	-
90	Channel	633000	633334	633666
	Frequency	3495	3500.01	3504.99
80	Channel	632668	633334	634000
	Frequency	3490.02	3500.01	3510
70	Channel	632334	633334	634332
	Frequency	3485.01	3500.01	3514.98
60	Channel	632000	633334	634666
	Frequency	3480	3500.01	3519.99
50	Channel	631668	633334	635000
	Frequency	3475.02	3500.01	3525
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
30	Channel	631000	633334	635666
	Frequency	3465	3500.01	3534.99
25	Channel	630834	633334	635832
	Frequency	3462.51	3500.01	3537.48
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540
15	Channel	630500	633334	636166
	Frequency	3457.5	3500.01	3542.49
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98

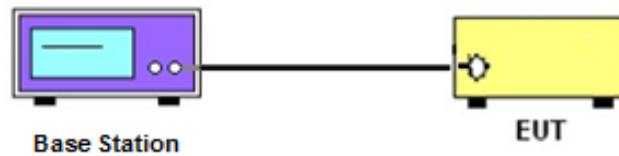
3 Conducted Test Items

3.1 Measuring Instruments

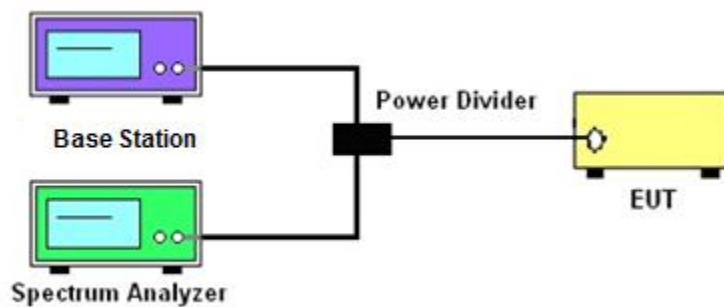
See list of measuring instruments of this test report.

3.2 Test Setup

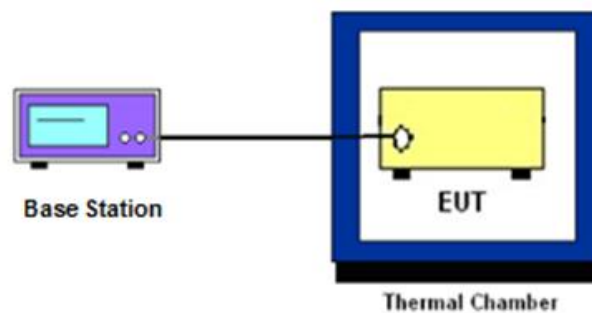
3.2.1 Conducted Output Power



3.2.2 Peak-to-Average Ratio, Occupied / 26dB Bandwidth, 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 Measurement

3.4.1 Description of the Conducted Output Power Measurement

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

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 EIRP

3.6.1 Description of EIRP Limit

§ 27.50 (k)(3)

Mobile devices are limited to 1Watt (30 dBm) EIRP. Mobile devices operating in these bands must employ a means for limiting power to the minimum necessary for successful communications

3.6.2 Test Procedures

1. According to KDB 412172 D01 Power Approach,
2. $EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, 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

3.7 Occupied Bandwidth

3.7.1 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.

3.7.2 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.

3.8 Conducted Band Edge Measurement

3.8.1 Description of Conducted Band Edge Measurement

§ 27.53 (n)(2)

For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

Compliance with this paragraph 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, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.

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 band edges of low and high channels for the highest RF powers were measured.
4. Set RBW $\geq 1\%$ EBW but limited to a maximum of 200 kHz in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz and 5 MHz removed from the band edge, set RBW ≥ 500 KHz.
6. Beyond the 5 MHz removed from the band edge, set RBW = 1MHz.
7. Set spectrum analyzer with RMS detector.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. Checked that all the results comply with the emission limit line.

3.9 Conducted Spurious Emission Measurement

3.9.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges shall not exceed -13 dBm/MHz.

It is measured by means of a calibrated spectrum analyzer and scanned from 9 kHz up to a frequency including its 10th harmonic.

3.9.2 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. Checked that all the results comply with the emission limit line.

3.10 Frequency Stability Measurement

3.10.1 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.

3.10.2 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.

3.10.3 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±5°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.

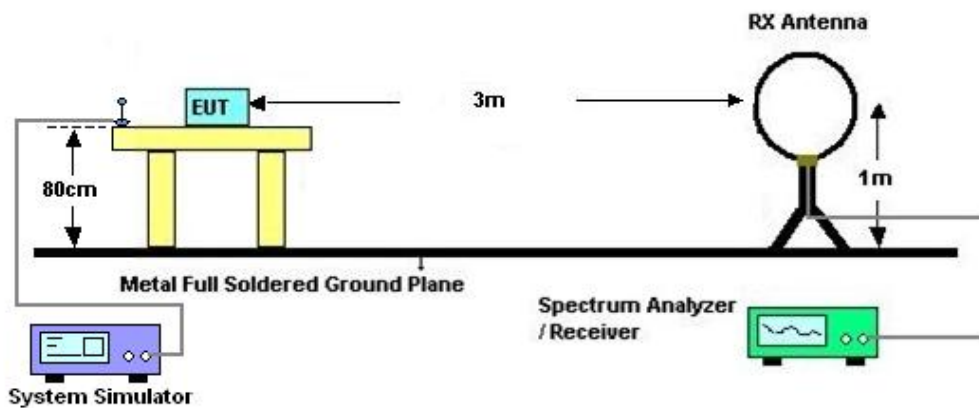
4 Radiated Test Items

4.1 Measuring Instruments

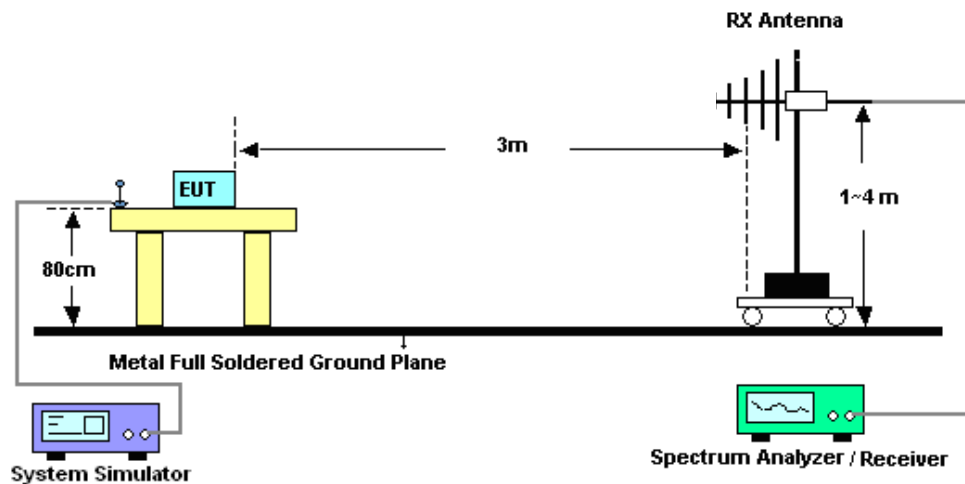
See list of measuring instruments of this test report.

4.2 Test Setup

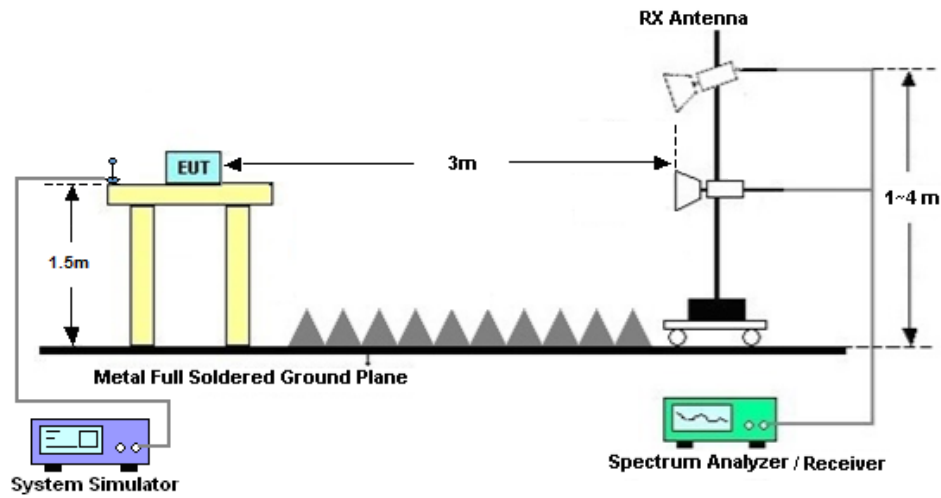
4.2.1 For radiated test below 30MHz



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 Measurement

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 shall not exceed -13 dBm/MHz.

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.
$$\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$$
$$\text{ERP (dBm)} = \text{EIRP} - 2.15$$
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 02, 2025	Mar. 11, 2026	Apr. 01, 2026	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.0077	0.4GHz~26.5GHz	Dec. 24, 2025	Mar. 11, 2026	Dec. 23, 2026	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 02, 2025	Mar. 11, 2026	Jul. 01, 2026	Conducted (TH01-SZ)
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz~44G,MAX 30dB	Oct. 10, 2025	Mar. 10, 2026	Oct. 09, 2026	Radiation (03CH04-KS)
Active loop antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Aug. 10, 2025	Mar. 10, 2026	Aug. 09, 2026	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz~1GHz	Nov. 22, 2025	Mar. 10, 2026	Nov. 21, 2026	Radiation (03CH04-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00227860	1GHz~18GHz	Aug. 22, 2025	Mar. 10, 2026	Aug. 21, 2026	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 10, 2026	Mar. 10, 2026	Jan. 09, 2027	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	380826	9KHz~1GHz	Jul. 02, 2025	Mar. 10, 2026	Jul. 01, 2026	Radiation (03CH04-KS)
Amplifier	EM	EM18G40G A	060852	18~40GHz	Dec. 24, 2025	Mar. 10, 2026	Dec. 23, 2026	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18G A	060890	1Ghz~18Ghz	May 23, 2025	Mar. 10, 2026	May 22, 2026	Radiation (03CH04-KS)
Amplifier	EM	EM01G18G A	060892	1Ghz~18Ghz	Oct. 11, 2025	Mar. 10, 2026	Oct. 10, 2026	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Mar. 10, 2026	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Mar. 10, 2026	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Mar. 10, 2026	NCR	Radiation (03CH04-KS)

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.83 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.82 dB
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Appendix A. Test Results of Conducted Test

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

Software Version: 23.06.1602

FR1 N77_ANT1

Transmitter Conducted Output Power And EIRP, (G_T - L_c)= -1 dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	25.43	24.43	0.2773
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	22	21	0.1259
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@22	24.99	23.99	0.2506
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	2@0	21.98	20.98	0.1253
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	12@6	25.15	24.15	0.2600
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	2@22	21.53	20.53	0.1130
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	24@0	24.3	23.3	0.2138
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	24.46	23.46	0.2218
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	24@0	23.32	22.32	0.1706
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.78	24.78	0.3006
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	22.29	21.29	0.1346
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@22	25.45	24.45	0.2786
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	2@0	22.26	21.26	0.1337
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	12@6	25.76	24.76	0.2992
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	2@22	22.09	21.09	0.1285
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	24@0	24.7	23.7	0.2344
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.78	23.78	0.2388
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	24@0	23.78	22.78	0.1897
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	24.81	23.81	0.2404
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	21.4	20.4	0.1096
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@22	25.14	24.14	0.2594
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	2@0	21.45	20.45	0.1109
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	12@6	25.07	24.07	0.2553
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	2@22	21.75	20.75	0.1189
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	24@0	24.1	23.1	0.2042
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	23.92	22.92	0.1959
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	24@0	23.16	22.16	0.1644
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	25.62	24.62	0.2897
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@0	22.24	21.24	0.1330
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@36	24.92	23.92	0.2466
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	2@0	22.23	21.23	0.1327
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	18@9	25.29	24.29	0.2685
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	2@36	21.46	20.46	0.1112
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	36@0	24.32	23.32	0.2148



77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	24.78	23.78	0.2388
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	36@0	23.35	22.35	0.1718
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.78	24.78	0.3006
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@0	22.31	21.31	0.1352
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@36	25.58	24.58	0.2871
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	2@0	22.31	21.31	0.1352
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	18@9	25.79	24.79	0.3013
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	2@36	22.1	21.1	0.1288
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	36@0	24.76	23.76	0.2377
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.83	23.83	0.2415
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	36@0	23.79	22.79	0.1901
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	24.86	23.86	0.2432
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@0	21.28	20.28	0.1067
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@36	25.37	24.37	0.2735
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	2@0	21.38	20.38	0.1091
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	18@9	25.09	24.09	0.2564
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	2@36	21.91	20.91	0.1233
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	36@0	24.07	23.07	0.2028
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	23.88	22.88	0.1941
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	36@0	23.13	22.13	0.1633
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	25.68	24.68	0.2938
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	22.13	21.13	0.1297
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	24.81	23.81	0.2404
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	2@0	22.3	21.3	0.1349
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	25.14	24.14	0.2594
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	2@49	21.36	20.36	0.1086
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	24.23	23.23	0.2104
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	24.79	23.79	0.2393
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	50@0	23.2	22.2	0.1660
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.68	24.68	0.2938
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	22.11	21.11	0.1291
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	25.38	24.38	0.2742
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	2@0	22.17	21.17	0.1309
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	25.71	24.71	0.2958
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	2@49	21.91	20.91	0.1233
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	24.66	23.66	0.2323
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.71	23.71	0.2350
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	50@0	23.71	22.71	0.1866
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	24.64	23.64	0.2312
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@0	21.1	20.1	0.1023
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	25.31	24.31	0.2698



77	30	20	636000	3540	DFT-s-OFDM QPSK	2@0	21.23	20.23	0.1054
77	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	24.94	23.94	0.2477
77	30	20	636000	3540	DFT-s-OFDM QPSK	2@49	21.89	20.89	0.1227
77	30	20	636000	3540	DFT-s-OFDM QPSK	50@0	23.99	22.99	0.1991
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	23.76	22.76	0.1888
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	50@0	23.01	22.01	0.1589
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	25.68	24.68	0.2938
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	22.24	21.24	0.1330
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@63	24.74	23.74	0.2366
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	2@0	22.29	21.29	0.1346
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	32@16	25	24	0.2512
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	2@63	21.26	20.26	0.1062
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	64@0	24.08	23.08	0.2032
77	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	24.81	23.81	0.2404
77	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	64@0	23.16	22.16	0.1644
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.49	24.49	0.2812
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@0	21.98	20.98	0.1253
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@63	25.19	24.19	0.2624
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	2@0	22.08	21.08	0.1282
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	32@16	25.72	24.72	0.2965
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	2@63	21.74	20.74	0.1186
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	64@0	24.62	23.62	0.2301
77	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.64	23.64	0.2312
77	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	64@0	23.65	22.65	0.1841
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	24.66	23.66	0.2323
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@0	21.15	20.15	0.1035
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@63	25.29	24.29	0.2685
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	2@0	21.2	20.2	0.1047
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	32@16	24.83	23.83	0.2415
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	2@63	21.86	20.86	0.1219
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	64@0	23.9	22.9	0.1950
77	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	23.8	22.8	0.1905
77	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	64@0	22.95	21.95	0.1567
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	25.85	24.85	0.3055
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@0	22.38	21.38	0.1374
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@76	24.98	23.98	0.2500
77	30	30	631000	3465	DFT-s-OFDM QPSK	2@0	22.45	21.45	0.1396
77	30	30	631000	3465	DFT-s-OFDM QPSK	36@18	25.06	24.06	0.2547
77	30	30	631000	3465	DFT-s-OFDM QPSK	2@76	21.54	20.54	0.1132
77	30	30	631000	3465	DFT-s-OFDM QPSK	75@0	24.27	23.27	0.2123
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	25.02	24.02	0.2523



77	30	30	631000	3465	DFT-s-OFDM 16 QAM	75@0	23.22	22.22	0.1667
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.63	24.63	0.2904
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@0	21.98	20.98	0.1253
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	25.24	24.24	0.2655
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	2@0	22.1	21.1	0.1288
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	25.85	24.85	0.3055
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	2@76	21.8	20.8	0.1202
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	75@0	24.73	23.73	0.2360
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.65	23.65	0.2317
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	75@0	23.75	22.75	0.1884
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	24.96	23.96	0.2489
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@0	21.5	20.5	0.1122
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	25.45	24.45	0.2786
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	2@0	21.57	20.57	0.1140
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	24.88	23.88	0.2443
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	2@76	22.02	21.02	0.1265
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	75@0	24.04	23.04	0.2014
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.14	23.14	0.2061
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	75@0	23.01	22.01	0.1589
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.22	24.22	0.2642
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@0	21.67	20.67	0.1167
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	24.91	23.91	0.2460
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	2@0	21.77	20.77	0.1194
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	25.77	24.77	0.2999
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	2@104	21.53	20.53	0.1130
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	100@0	24.63	23.63	0.2307
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.39	23.39	0.2183
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	100@0	23.62	22.62	0.1828
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	25.53	24.53	0.2838
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@0	22.09	21.09	0.1285
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	25.51	24.51	0.2825
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	2@0	22.15	21.15	0.1303
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	24.81	23.81	0.2404
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	2@104	22.06	21.06	0.1276
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	100@0	24.09	23.09	0.2037
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	24.7	23.7	0.2344
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	100@0	23.03	22.03	0.1596
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	25.6	24.6	0.2884
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	22.1	21.1	0.1288
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	25.49	24.49	0.2812
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	2@0	22.11	21.11	0.1291



77	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	24.72	23.72	0.2355
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	2@131	22.01	21.01	0.1262
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	128@0	24.05	23.05	0.2018
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	24.69	23.69	0.2339
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	128@0	23.06	22.06	0.1607
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.74	23.74	0.2366
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	21.23	20.23	0.1054
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	24.21	23.21	0.2094
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	2@0	21.31	20.31	0.1074
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	25.45	24.45	0.2786
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	2@131	20.79	19.79	0.0953
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	128@0	24.17	23.17	0.2075
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.93	22.93	0.1963
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	128@0	23.22	22.22	0.1667
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.75	24.75	0.2985
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@0	22.25	21.25	0.1334
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	25.02	24.02	0.2523
77	30	50	635000	3525	DFT-s-OFDM QPSK	2@0	22.33	21.33	0.1358
77	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	24.55	23.55	0.2265
77	30	50	635000	3525	DFT-s-OFDM QPSK	2@131	21.61	20.61	0.1151
77	30	50	635000	3525	DFT-s-OFDM QPSK	128@0	23.83	22.83	0.1919
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.87	23.87	0.2438
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	128@0	22.84	21.84	0.1528
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	25.63	24.63	0.2904
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@0	22.16	21.16	0.1306
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	25.03	24.03	0.2529
77	30	60	632000	3480	DFT-s-OFDM QPSK	2@0	22.19	21.19	0.1315
77	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	25.02	24.02	0.2523
77	30	60	632000	3480	DFT-s-OFDM QPSK	2@160	21.62	20.62	0.1153
77	30	60	632000	3480	DFT-s-OFDM QPSK	162@0	24.22	23.22	0.2099
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	24.84	23.84	0.2421
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	162@0	23.26	22.26	0.1683
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.75	23.75	0.2371
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@0	21.22	20.22	0.1052
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	24.17	23.17	0.2075
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	2@0	21.21	20.21	0.1050
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	25.44	24.44	0.2780
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	2@160	20.74	19.74	0.0942
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	162@0	24.12	23.12	0.2051
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.78	22.78	0.1897
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	162@0	23.14	22.14	0.1637



77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.63	24.63	0.2904
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@0	21.98	20.98	0.1253
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	25	24	0.2512
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	2@0	22.17	21.17	0.1309
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	24.79	23.79	0.2393
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	2@160	21.62	20.62	0.1153
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	162@0	24.06	23.06	0.2023
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	24.73	23.73	0.2360
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	162@0	23.02	22.02	0.1592
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	25.56	24.56	0.2858
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@0	22.06	21.06	0.1276
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	24.4	23.4	0.2188
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	2@0	22.06	21.06	0.1276
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	25	24	0.2512
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	2@187	20.9	19.9	0.0977
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	180@0	24.09	23.09	0.2037
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	24.64	23.64	0.2312
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	180@0	23.08	22.08	0.1614
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.7	23.7	0.2344
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@0	21.21	20.21	0.1050
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	24.1	23.1	0.2042
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	2@0	21.2	20.2	0.1047
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	25.34	24.34	0.2716
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	2@187	20.71	19.71	0.0935
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	180@0	24.01	23.01	0.2000
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.82	22.82	0.1914
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	180@0	23.01	22.01	0.1589
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	24.95	23.95	0.2483
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@0	21.34	20.34	0.1081
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	24.98	23.98	0.2500
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	2@0	21.5	20.5	0.1122
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	90@45	25.05	24.05	0.2541
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	2@187	21.57	20.57	0.1140
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	180@0	24.08	23.08	0.2032
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	24.02	23.02	0.2004
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	180@0	23.06	22.06	0.1607
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.52	24.52	0.2831
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@0	22.06	21.06	0.1276
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	24.17	23.17	0.2075
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	2@0	22.11	21.11	0.1291
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	25.23	24.23	0.2649



77	30	80	632668	3490.02	DFT-s-OFDM QPSK	2@215	20.69	19.69	0.0931
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	216@0	24.06	23.06	0.2023
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	24.63	23.63	0.2307
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	216@0	23.05	22.05	0.1603
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.83	23.83	0.2415
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@0	21.22	20.22	0.1052
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	24.38	23.38	0.2178
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	2@0	21.39	20.39	0.1094
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	25.25	24.25	0.2661
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	2@215	20.91	19.91	0.0979
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	216@0	23.93	22.93	0.1963
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.97	22.97	0.1982
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	216@0	22.94	21.94	0.1563
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	24.61	23.61	0.2296
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@0	21.07	20.07	0.1016
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	25.07	24.07	0.2553
77	30	80	634000	3510	DFT-s-OFDM QPSK	2@0	21.15	20.15	0.1035
77	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	25.14	24.14	0.2594
77	30	80	634000	3510	DFT-s-OFDM QPSK	2@215	21.53	20.53	0.1130
77	30	80	634000	3510	DFT-s-OFDM QPSK	216@0	24.01	23.01	0.2000
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	23.74	22.74	0.1879
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	216@0	23.04	22.04	0.1600
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	25.52	24.52	0.2831
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@0	21.92	20.92	0.1236
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@243	24.47	23.47	0.2223
77	30	90	633000	3495	DFT-s-OFDM QPSK	2@0	22	21	0.1259
77	30	90	633000	3495	DFT-s-OFDM QPSK	120@60	25.17	24.17	0.2612
77	30	90	633000	3495	DFT-s-OFDM QPSK	2@243	20.97	19.97	0.0993
77	30	90	633000	3495	DFT-s-OFDM QPSK	243@0	23.97	22.97	0.1982
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	24.61	23.61	0.2296
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	243@0	22.99	21.99	0.1581
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.18	24.18	0.2618
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@0	21.56	20.56	0.1138
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	24.72	23.72	0.2355
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	2@0	21.64	20.64	0.1159
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	25.21	24.21	0.2636
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	2@243	21.28	20.28	0.1067
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	243@0	23.95	22.95	0.1972
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.25	23.25	0.2113
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	243@0	22.89	21.89	0.1545
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	24.92	23.92	0.2466



77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@0	21.31	20.31	0.1074
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	25.05	24.05	0.2541
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	2@0	21.47	20.47	0.1114
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	25.2	24.2	0.2630
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	2@243	21.57	20.57	0.1140
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	243@0	23.96	22.96	0.1977
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	24.03	23.03	0.2009
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	243@0	22.94	21.94	0.1563
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.86	24.86	0.3062
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	22.3	21.3	0.1349
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	25.33	24.33	0.2710
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	2@0	22.41	21.41	0.1384
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.45	24.45	0.2786
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	2@271	21.93	20.93	0.1239
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	24.75	23.75	0.2371
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.85	24.85	0.3055
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	22.35	21.35	0.1365
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25.35	24.35	0.2723
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	2@0	22.34	21.34	0.1361
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.43	24.43	0.2773
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	2@271	21.9	20.9	0.1230
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	24.27	23.27	0.2123
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.96	23.96	0.2489
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.4	22.4	0.1738
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.17	20.17	0.1040
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	270@0	23.25	22.25	0.1679
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	270@0	22.76	21.76	0.1500
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	270@0	20.65	19.65	0.0923
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	24.36	23.36	0.2168
77	30	100	633334	3500.01	CP-OFDM QPSK	1@0	22.23	21.23	0.1327
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	23.86	22.86	0.1932
77	30	100	633334	3500.01	CP-OFDM QPSK	2@0	22.38	21.38	0.1374
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	23.92	22.92	0.1959
77	30	100	633334	3500.01	CP-OFDM QPSK	2@271	21.9	20.9	0.1230
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	22.28	21.28	0.1343
77	30	100	633334	3500.01	CP-OFDM 16 QAM	1@1	23.87	22.87	0.1936
77	30	100	633334	3500.01	CP-OFDM 64 QAM	1@1	22.5	21.5	0.1413
77	30	100	633334	3500.01	CP-OFDM 256 QAM	1@1	19.24	18.24	0.0667



77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	22.24	21.24	0.1330
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	22.25	21.25	0.1334
77	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	21.72	20.72	0.1180
77	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	18.69	17.69	0.0587

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	16.5	PASS	NV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	14.1	PASS	LV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	18.4	PASS	HV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	15.1	PASS	-30°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	14.5	PASS	-20°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	12.4	PASS	-10°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	11.6	PASS	0°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	13	PASS	10°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	13.4	PASS	20°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	13.2	PASS	30°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	15.1	PASS	40°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	14.7	PASS	50°C

$|\text{MAX}(\Delta f)| = 18.4 \text{ Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	3450.825282	$\geq 3450 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	3549.174318	$\leq 3550 \text{ MHz}$	



Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	3.95	13	PASS
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	5.44	13	PASS

N77(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N77(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	10	633334	3500.01	CP-OFDM QPSK	24@0	8.5559	9.543
77	30	10	633334	3500.01	CP-OFDM 16 QAM	24@0	8.5629	9.608
77	30	10	633334	3500.01	CP-OFDM 64 QAM	24@0	8.5544	9.507
77	30	10	633334	3500.01	CP-OFDM 256 QAM	24@0	8.5801	9.305
77	30	15	633334	3500.01	CP-OFDM QPSK	38@0	13.533	14.81
77	30	15	633334	3500.01	CP-OFDM 16 QAM	38@0	13.542	14.62
77	30	15	633334	3500.01	CP-OFDM 64 QAM	38@0	13.546	14.54
77	30	15	633334	3500.01	CP-OFDM 256 QAM	38@0	13.508	14.57
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.211	19.49
77	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.177	19.04
77	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.157	19.35
77	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.249	19.44
77	30	25	633334	3500.01	CP-OFDM QPSK	65@0	23.134	24.4
77	30	25	633334	3500.01	CP-OFDM 16 QAM	65@0	23.283	24.53
77	30	25	633334	3500.01	CP-OFDM 64 QAM	65@0	23.207	24.65
77	30	25	633334	3500.01	CP-OFDM 256 QAM	65@0	23.211	24.64
77	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.737	29.21
77	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.881	29.32
77	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.844	29.32
77	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.917	29.57
77	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.813	39.41
77	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.815	39.42



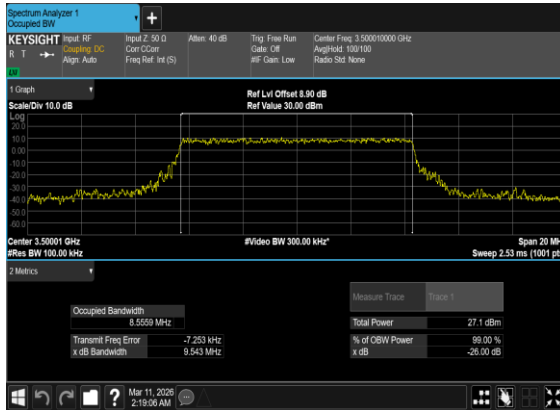
77	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.767	39.55
77	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.687	39.07
77	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.439	49.11
77	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.382	49.04
77	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.446	49.07
77	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.356	49.04
77	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.819	59.65
77	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.669	59.88
77	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.9	59.64
77	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.788	59.7
77	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.54	69.72
77	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.302	69.89
77	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.523	69.7
77	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.497	69.65
77	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.493	79.97
77	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.636	80.07
77	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.302	79.89
77	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.55	79.89
77	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.546	90.41
77	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.358	90.36
77	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.441	90.32
77	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.499	90.29
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.6	100.5
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.292	100.5



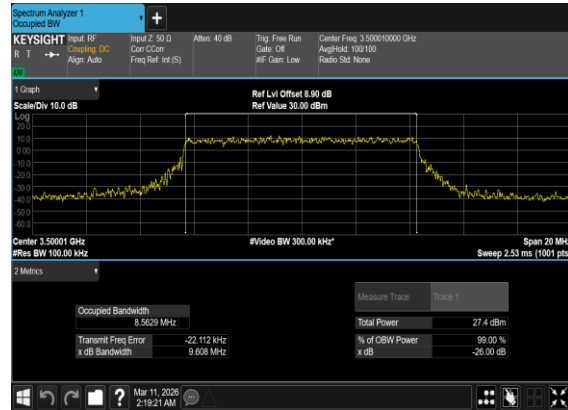
77	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.306	100.4
77	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.606	100.6



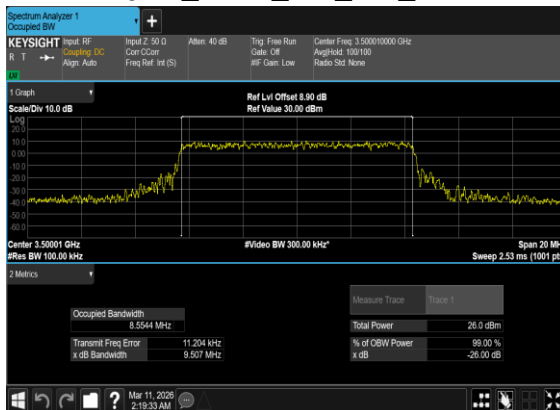
N77(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



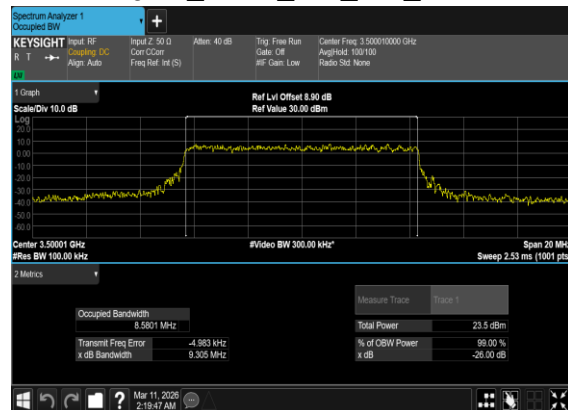
N77(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

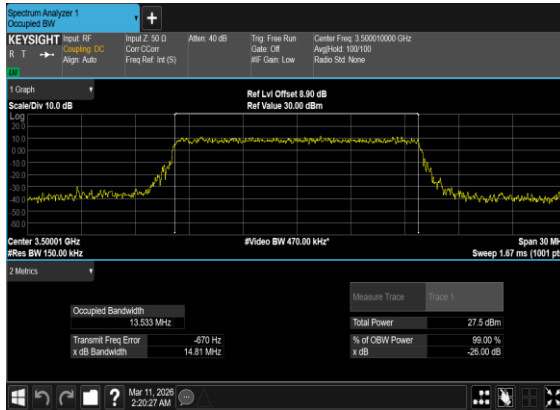


N77(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

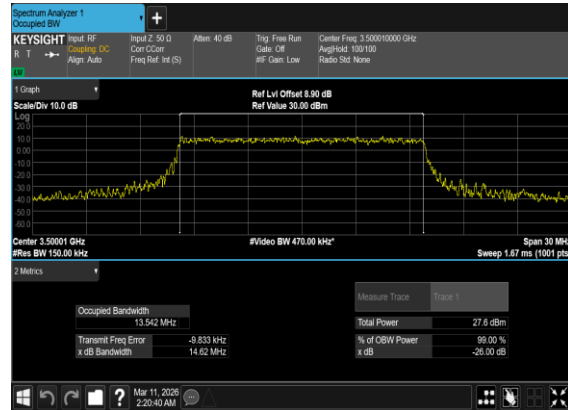




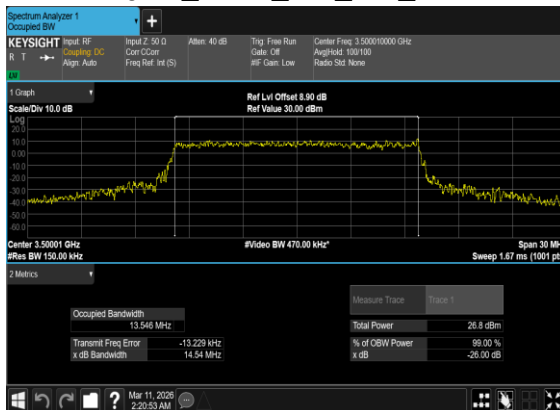
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OFDM_QPSK_Outer_Full_Mid_CH



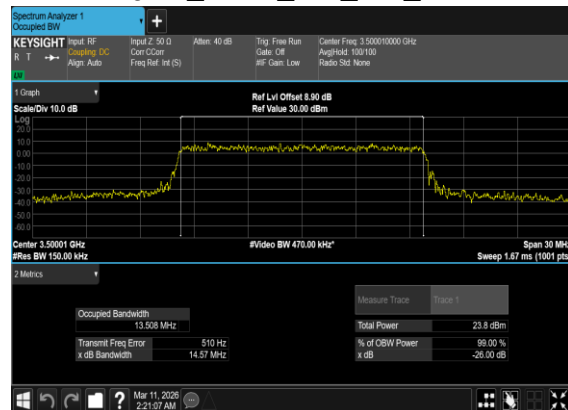
N77(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

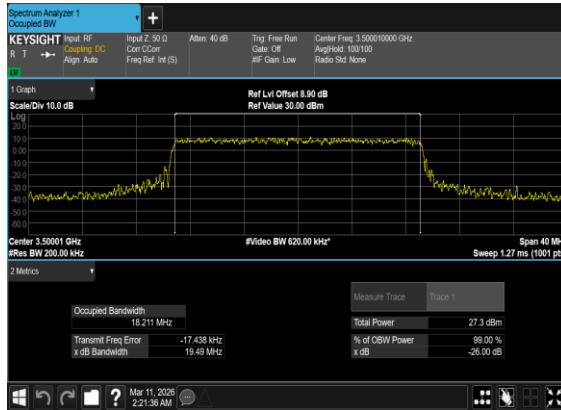


N77(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

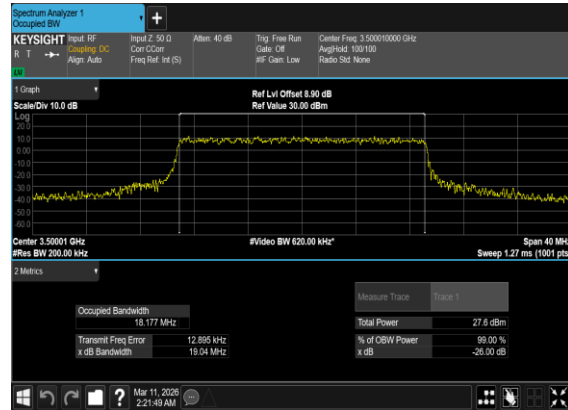




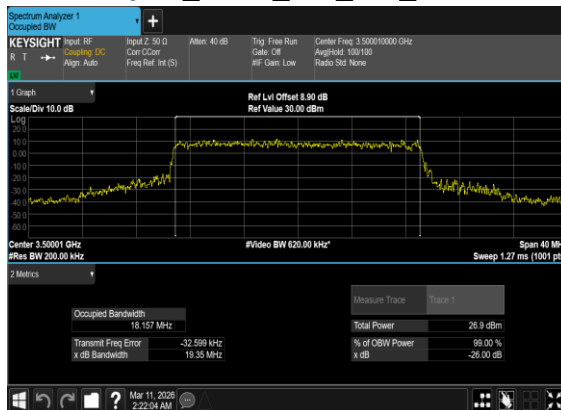
N77(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



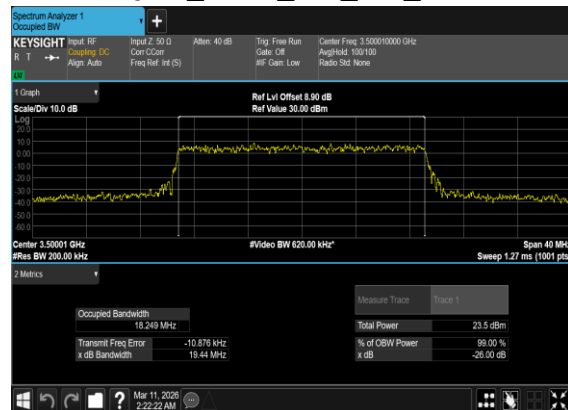
N77(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

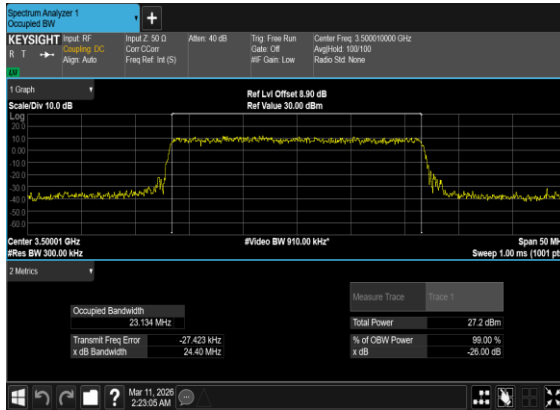


N77(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

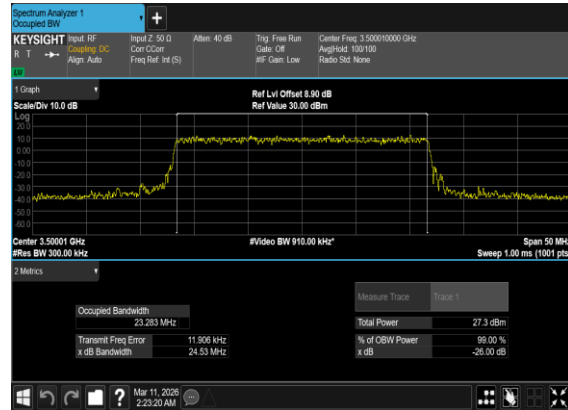




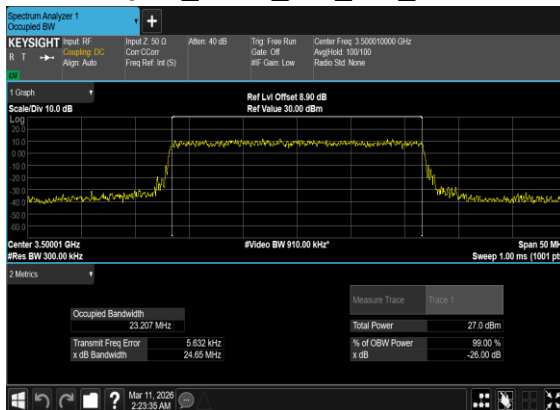
N77(25M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



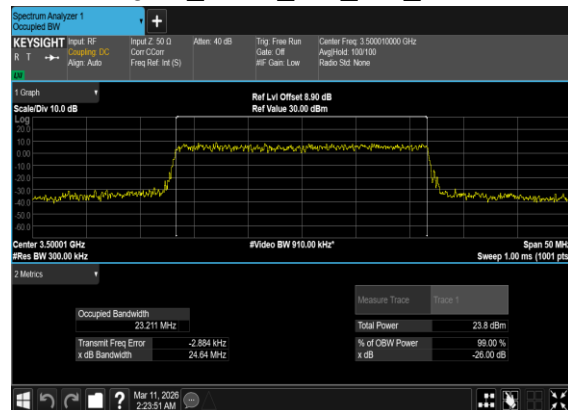
N77(25M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(25M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

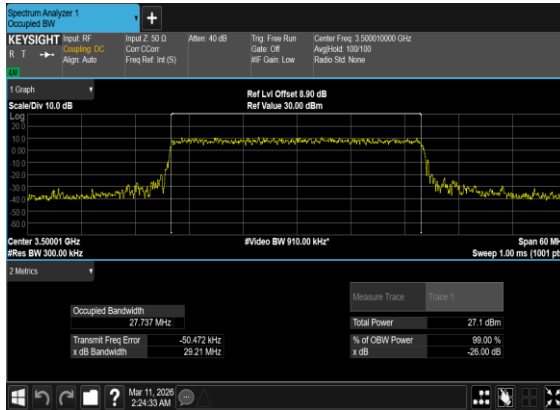


N77(25M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

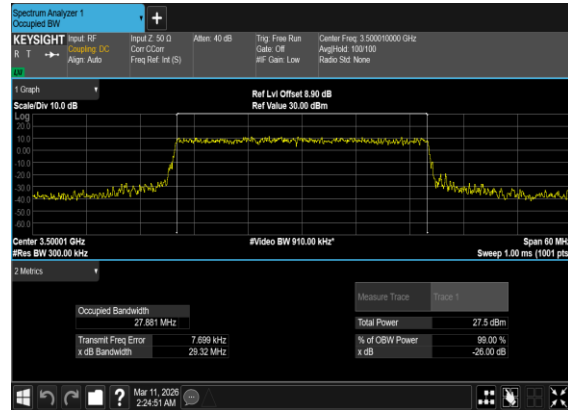




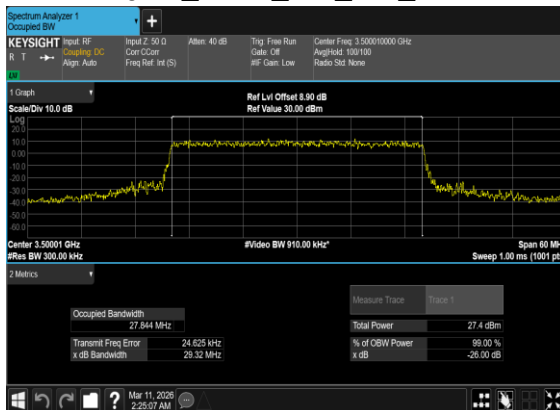
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OFDM_QPSK_Outer_Full_Mid_CH



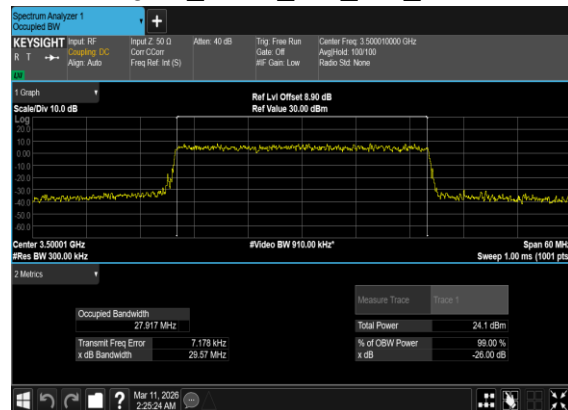
N77(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

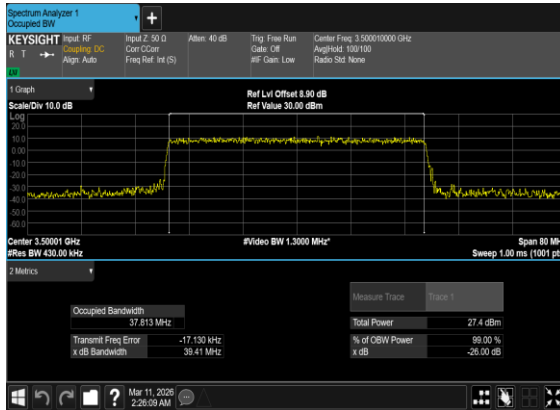


N77(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

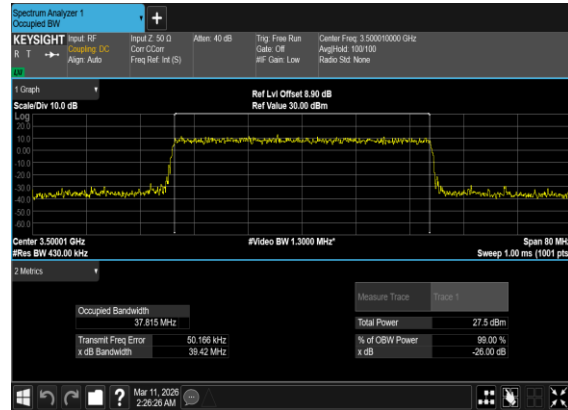




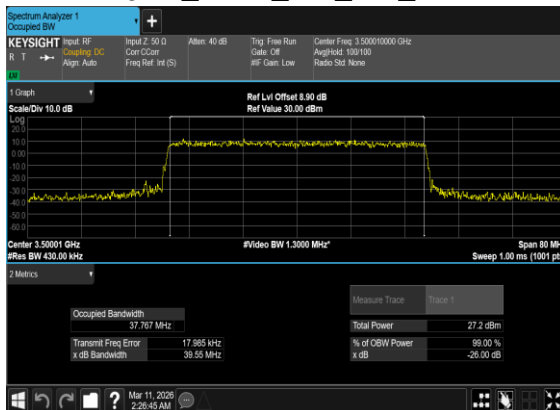
N77(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



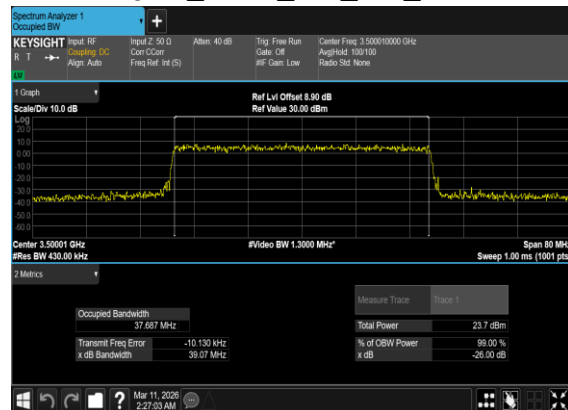
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QAM_Outer_Full_Mid_CH



N77(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

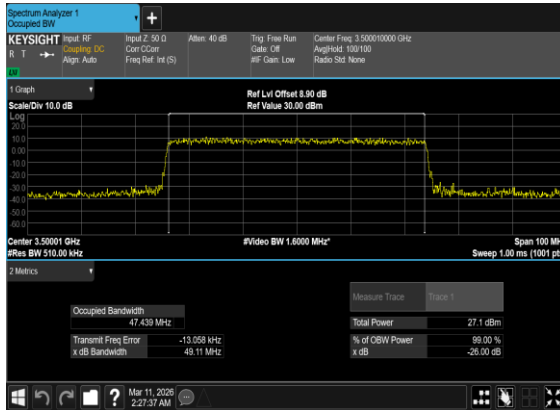


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QAM_Outer_Full_Mid_CH

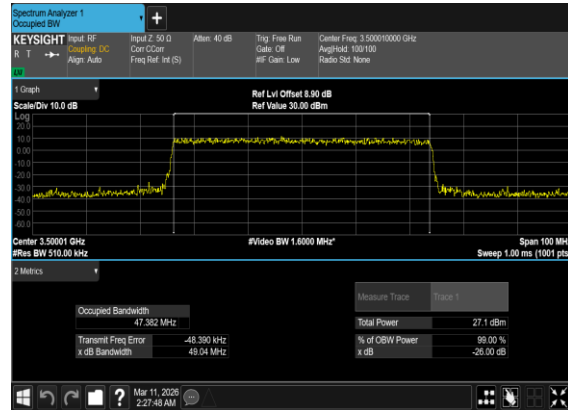




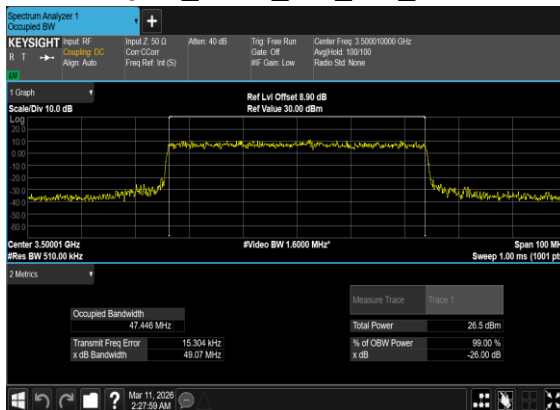
N77(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



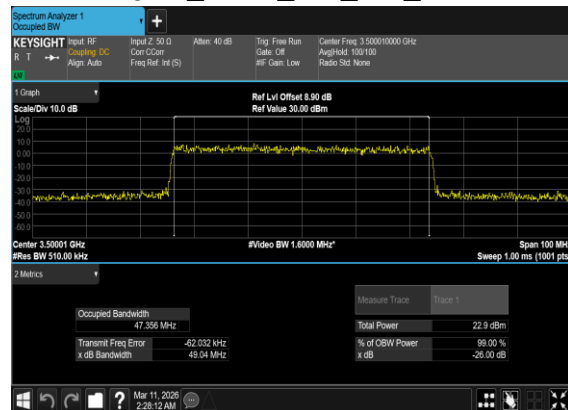
N77(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

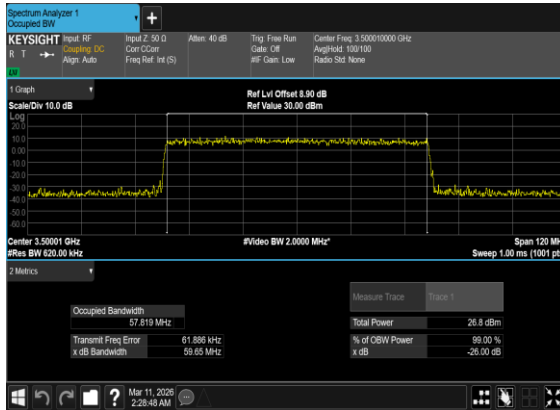


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QAM_Outer_Full_Mid_CH

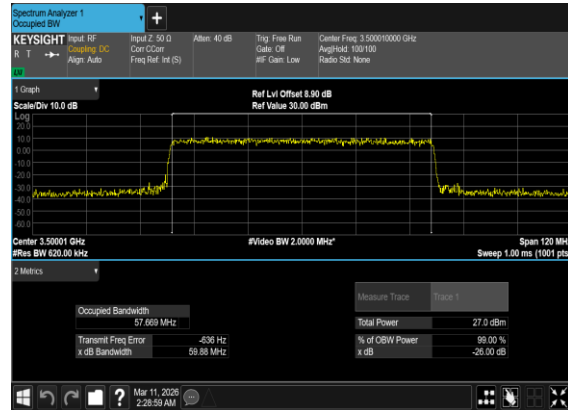




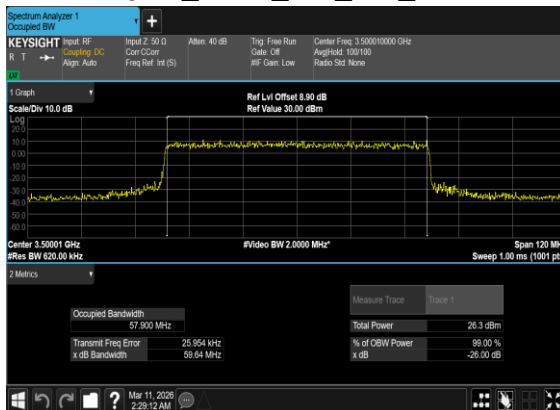
N77(60M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



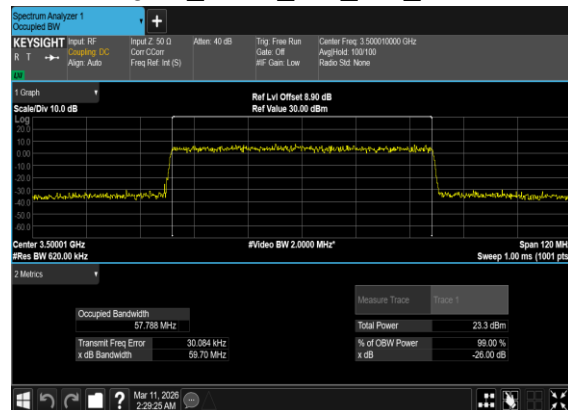
N77(60M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(60M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

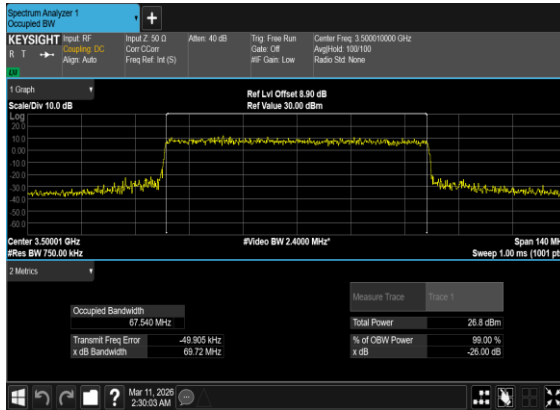


N77(60M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

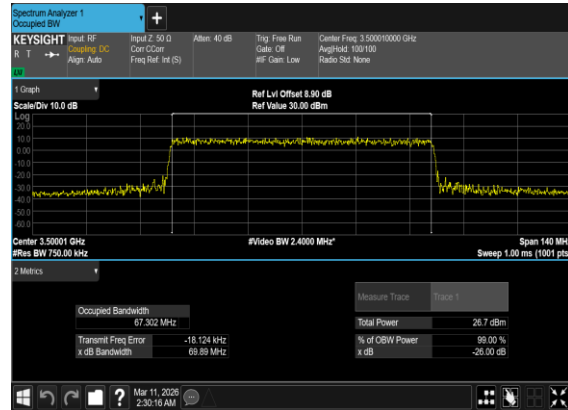




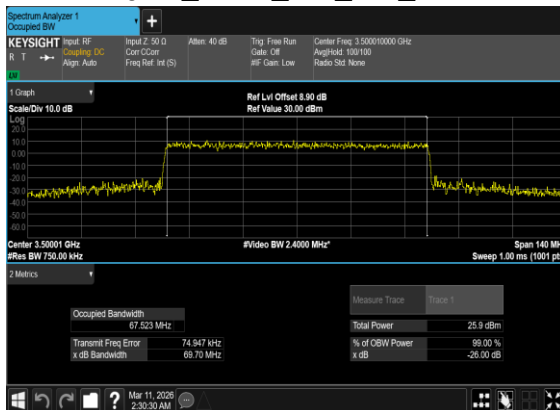
N77(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



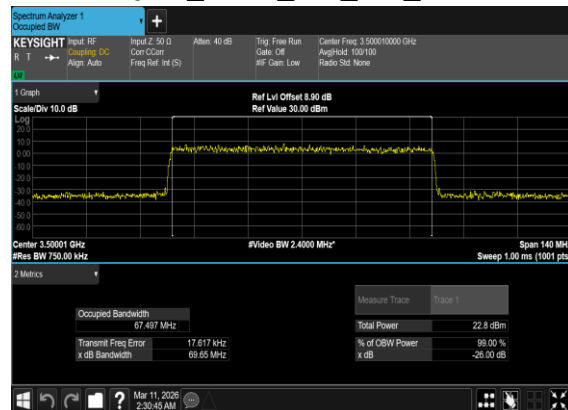
N77(70M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

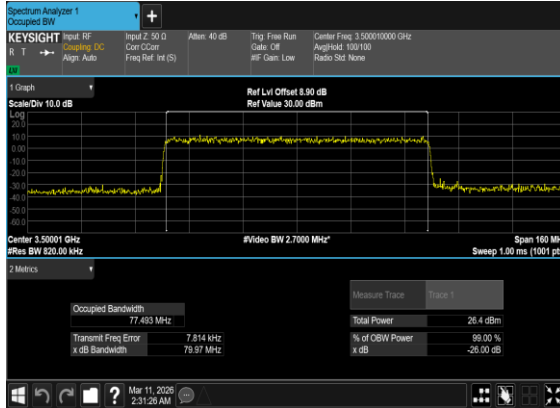


N77(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

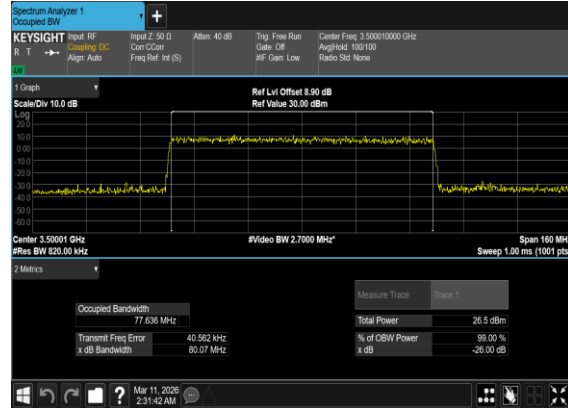




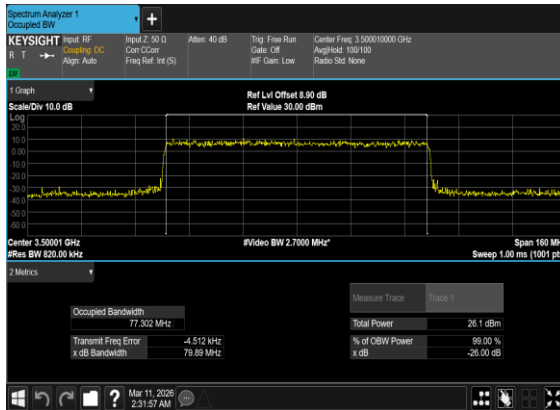
N77(80M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



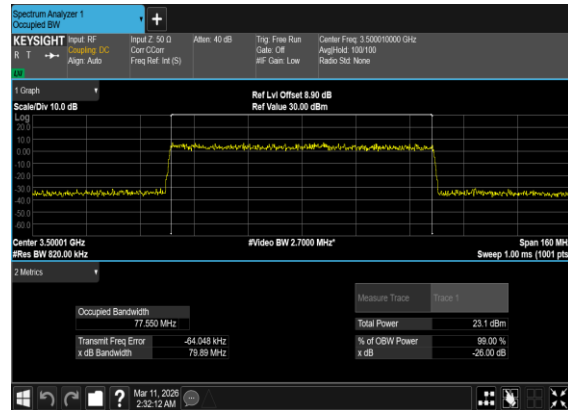
N77(80M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

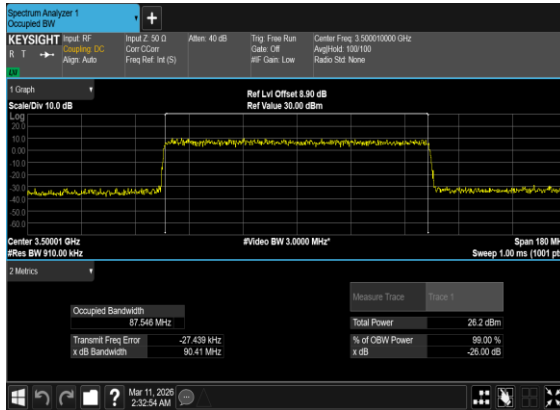


N77(80M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

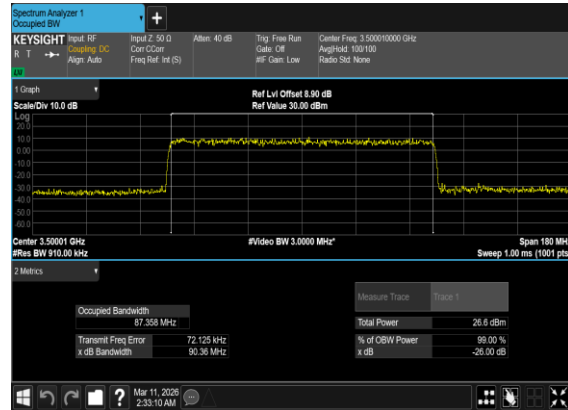




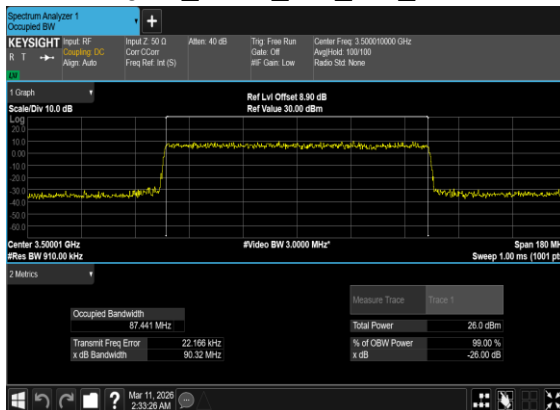
N77(90M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



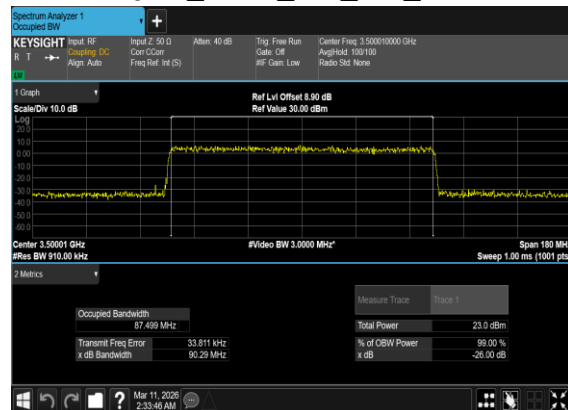
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QAM_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

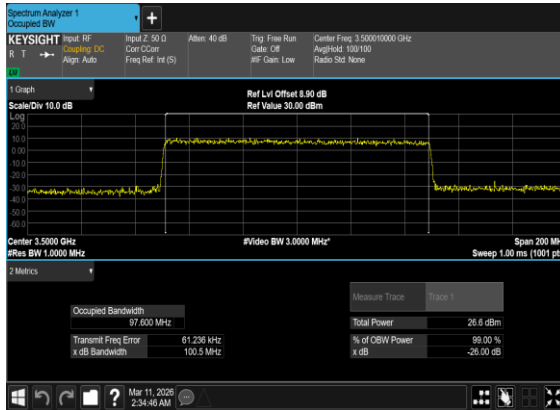


N77(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

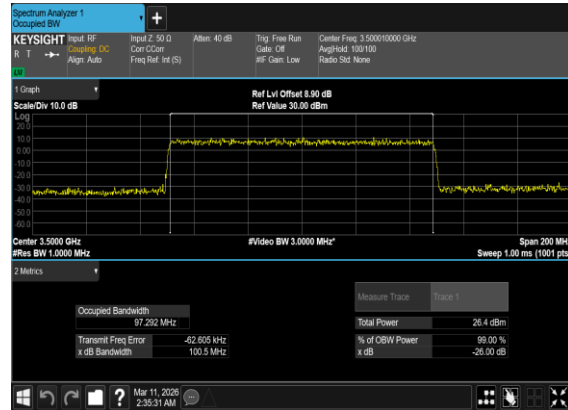




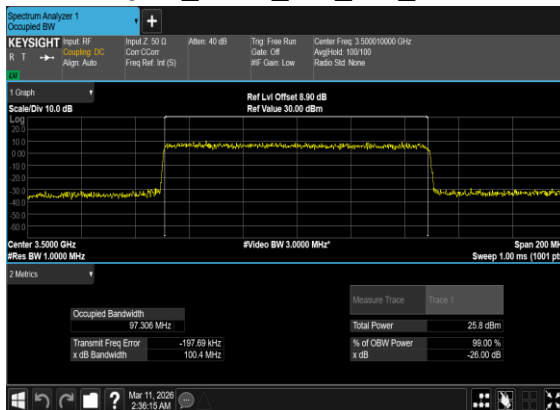
N77(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



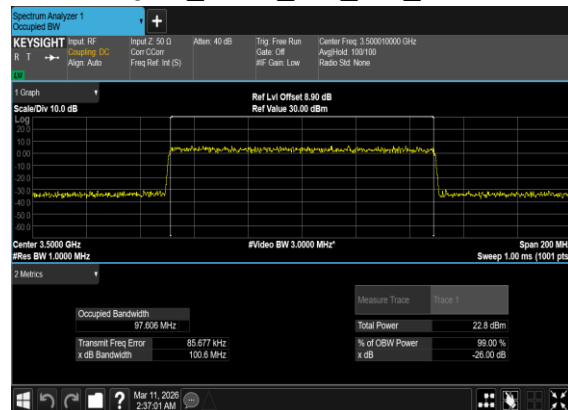
N77(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	---



77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---



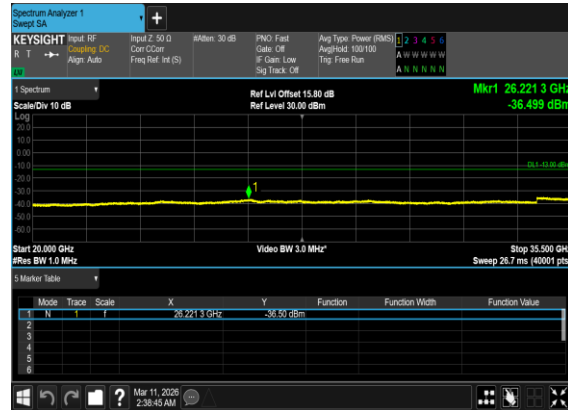
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS



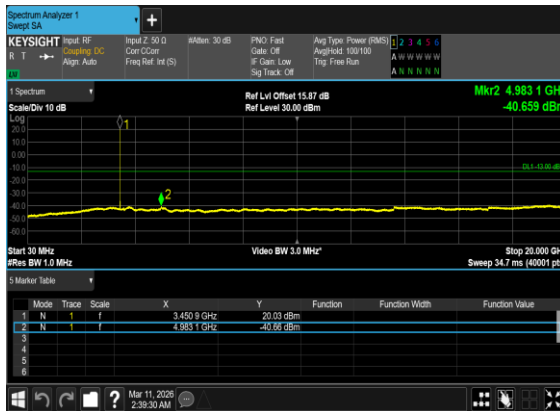
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



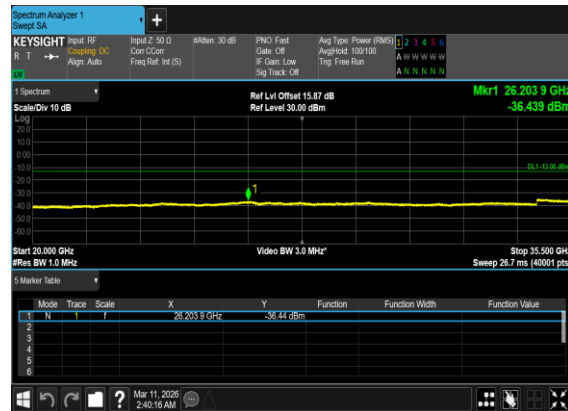
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

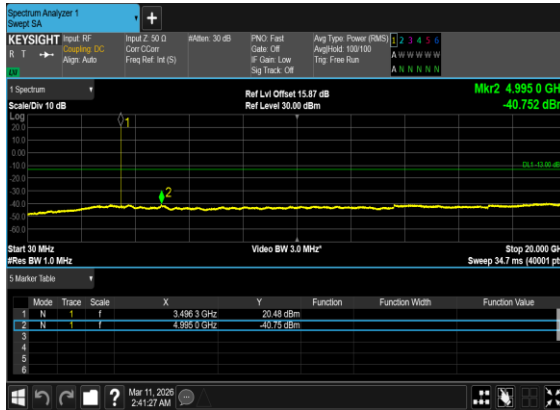


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OFDM_QPSK_Edge_1RB_Left_Low_CH

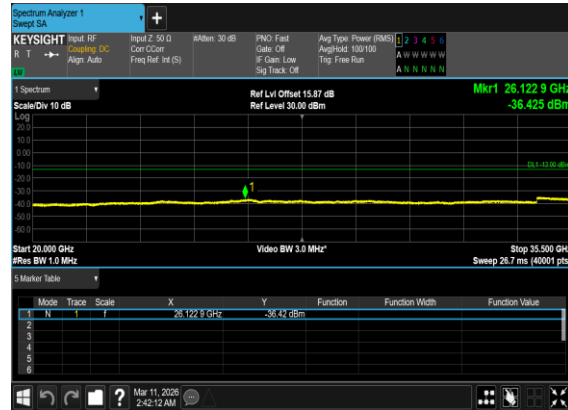




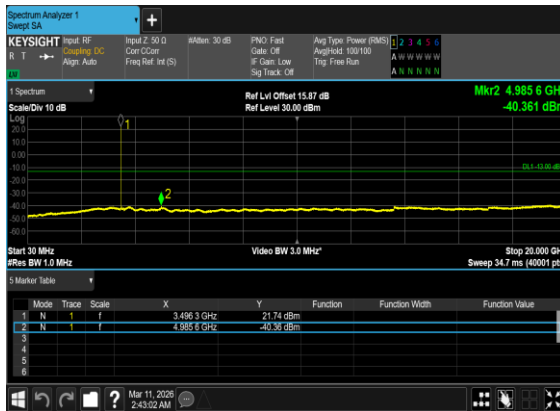
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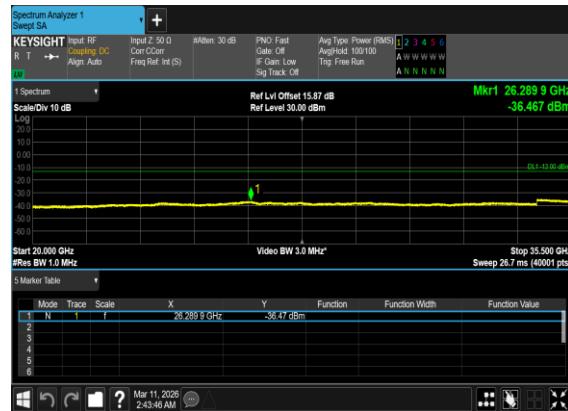
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

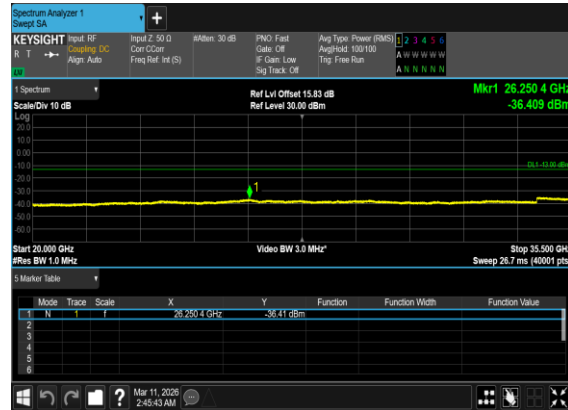




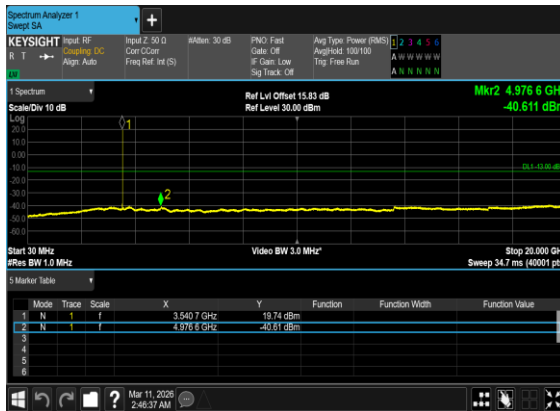
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OFDM_BPSK_Edge_1RB_Left_High_CH



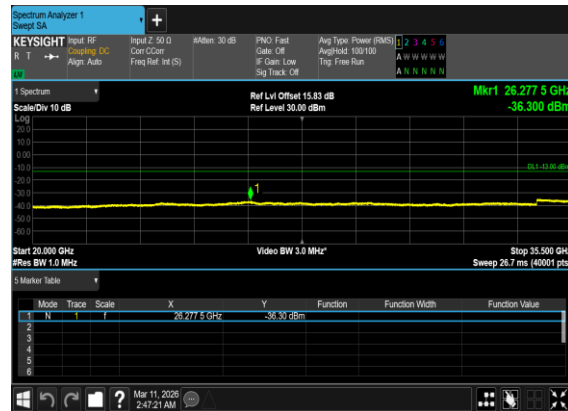
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

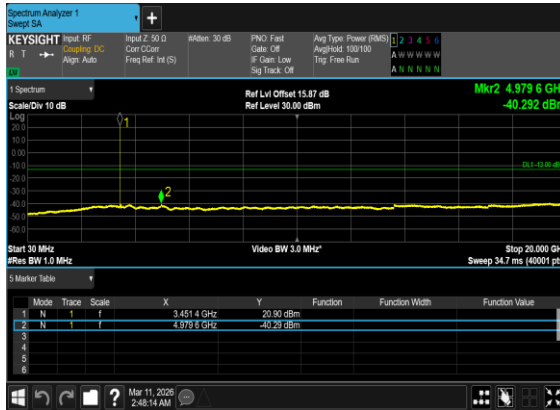


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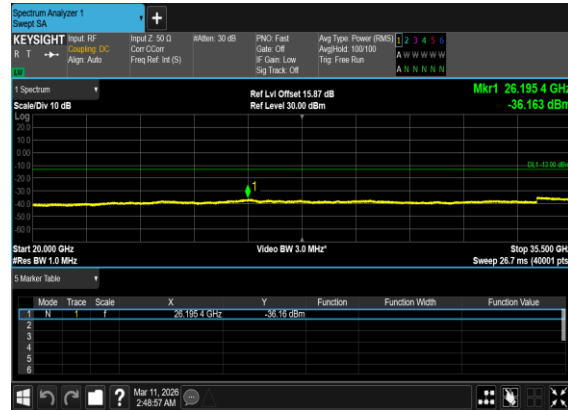




N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



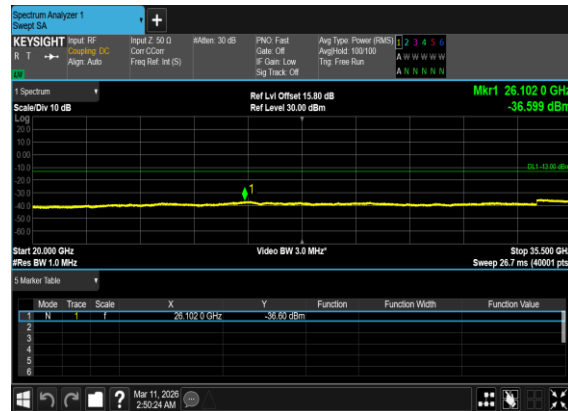
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

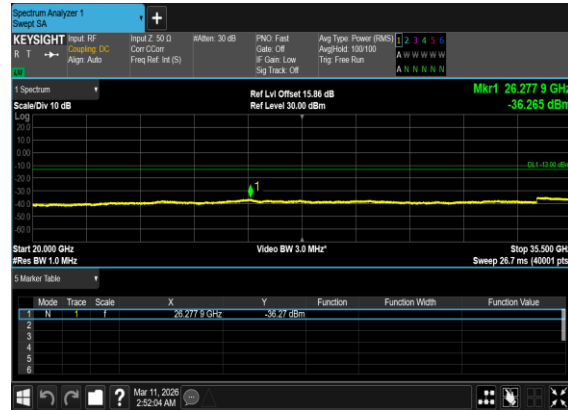




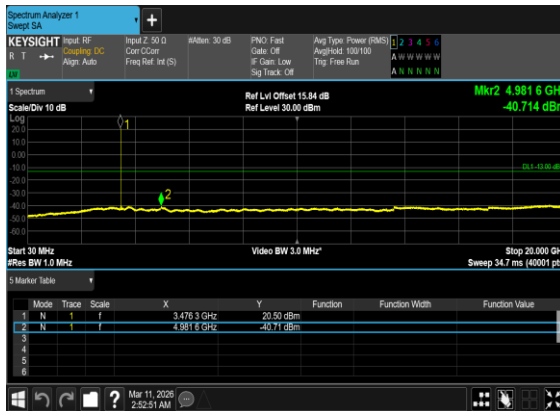
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



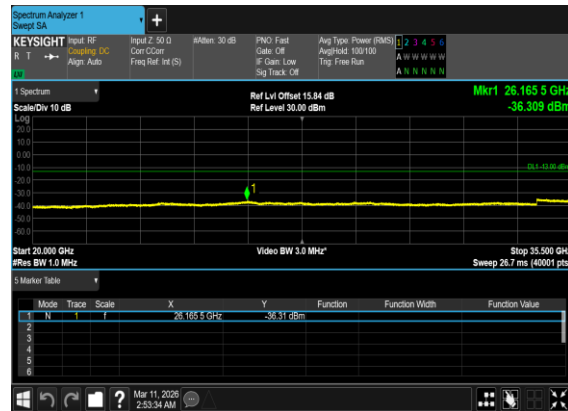
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

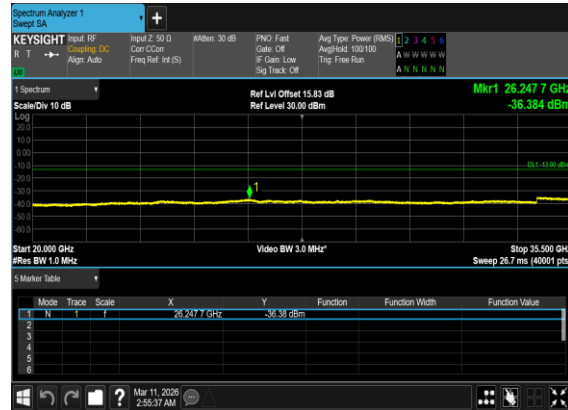




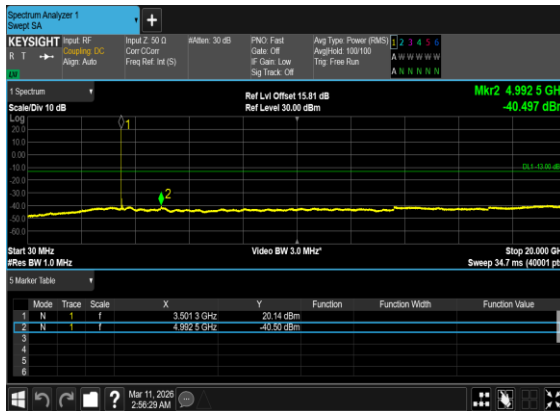
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



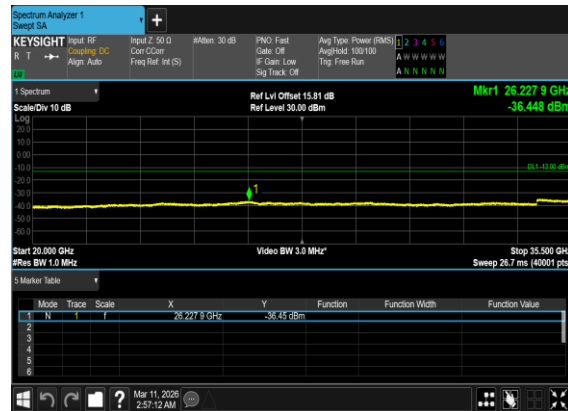
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

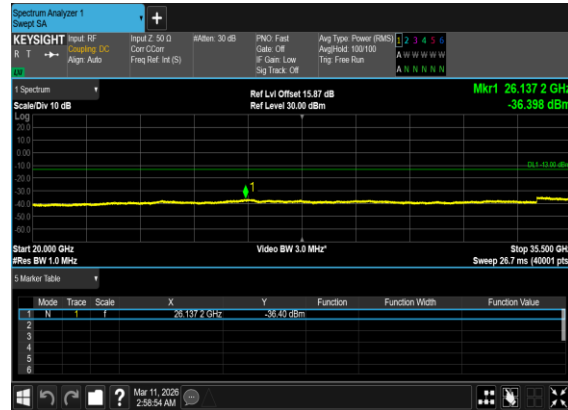




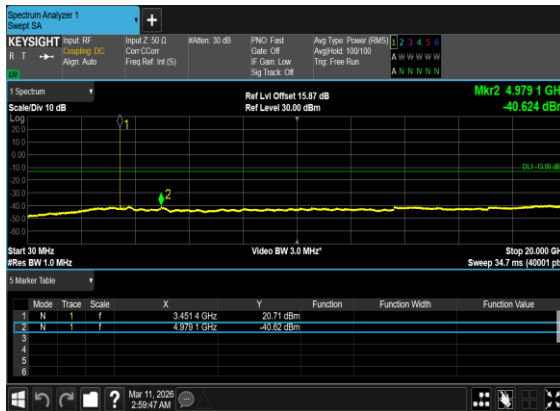
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



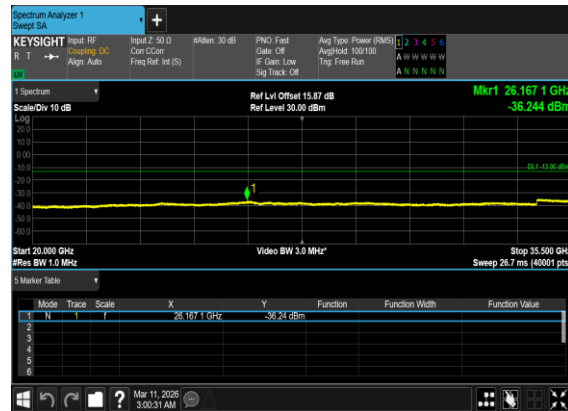
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	24@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@23	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@23	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	24@0	see graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	24@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@132	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@132	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@272	see graph	PASS