FCC RF Test Report

APPLICANT	: Motorola Mobility LLC
EQUIPMENT	: Mobile Cellular Phone
BRAND NAME	: Motorola
MODEL NAME	: XT2529-1
FCC ID	: IHDT56AV1
STANDARD	: 47 CFR Part 27 Subpart Q
CLASSIFICATION	: PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	: Feb. 26, 2025 ~ Mar. 19, 2025

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.

This report contains data that were produced under subcontract by Sporton International Inc. (ShenZhen)

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

ACCREDITED Cert #5145.02

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
FG520602J	Rev. 01	Initial issue of report	Mar. 20, 2025

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 26.64 dB at 10354.00 MHz

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/manufacturer 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

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.2 Manufacturer

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2529-1
FCC ID	IHDT56AV1
IMEI Code	Conducted: 351291190034439/351291190034447 Radiation: 351291190028753/351291190028761
HW Version	DVT2
SW Version	V2VO35.57
EUT Stage	Identical Prototype

Remark: There are three types of EUT, the differences could be referred to the XT2529-1_Operational Description of Product Equality Declaration which is exhibit separately. According to the difference, we choose sample 1 to full test.

1.4 Product Specification of Equipment Under Test

Product Feature	
Tx/Rx Frequency	5G NR n77: 3450 MHz ~ 3550 MHz 5G NR n78: 3450 MHz ~ 3550 MHz
SCS	15kHz/30kHz
Bandwidth	15kHz: 10 / 15 / 20 / 25 / 30 / 40 / 50 30kHz: 10 / 15 / 20 / 25 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100MHz
Antenna Gain	**<Ant. 3>:** 5G NR n77/n78: -4.0 dBi **<Ant. 5>:** 5G NR n77/n78: -3.3 dBi **<Ant. 7>:** 5G NR n77/n78: -5.7 dBi **<Ant. 9>:** 5G NR n77/n78: -2.54 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/n78 for Antenna 5.

2. The device support SA (n77/n78) and NSA (n78) mode. The whole testing has assessed SA mode by referring to the higher conducted power for conducted test items.
3. The device supports two PAs for 5G NR n78 (main PA, and other PA support NSA mode only), both the PAs are full tested, only the worst EIRP are shown in the report.
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-15KHz		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	0.0977	9M29G7D	0.0796	9M30W7D
15	3457.50 ~ 3542.49	0.1021	14M1G7D	0.0813	14M1W7D
20	3460.02 ~ 3540.00	0.1016	18M9G7D	0.0820	18M9W7D
25	3462.51 ~ 3537.48	0.1019	23M7G7D	0.0811	23M7W7D
30	3465.00 ~ 3534.99	0.1007	28M6G7D	0.0800	28M6W7D
40	3470.01 ~ 3529.98	0.0995	38M6G7D	0.0794	38M6W7D
50	3475.02 ~ 3525.00	0.1030	48M3G7D	0.0817	48M2W7D

5G NR n77 SA-30KHz		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	0.1007	8M54G7D	0.0802	8M58W7D
15	3457.50 ~ 3542.49	0.1002	13M5G7D	0.0794	13M6W7D
20	3460.02 ~ 3540.00	0.1009	18M2G7D	0.0804	18M2W7D
25	3462.51 ~ 3537.48	0.1014	23M2G7D	0.0800	23M2W7D
30	3465.00 ~ 3534.99	0.1002	27M8G7D	0.0805	27M8W7D
40	3470.01 ~ 3529.98	0.0995	37M8G7D	0.0796	37M9W7D
50	3475.02 ~ 3525.00	0.1000	47M5G7D	0.0796	47M6W7D
60	3480.00 ~ 3519.99	0.0998	57M8G7D	0.0796	57M9W7D
70	3485.01 ~ 3514.98	0.1007	67M5G7D	0.0800	67M6W7D
80	3490.02 ~ 3510.00	0.1002	77M5G7D	0.0800	77M5W7D
90	3495.00 ~ 3504.99	0.0993	87M5G7D	0.0793	87M6W7D
100	3500.01	0.1016	97M5G7D	0.0807	97M4W7D

5G NR n78 SA-15KHz		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	0.0986	9M29G7D	0.0778	9M30W7D
15	3457.50 ~ 3542.49	0.1012	14M1G7D	0.0811	14M1W7D
20	3460.02 ~ 3540.00	0.1005	18M9G7D	0.0807	18M9W7D
25	3462.51 ~ 3537.48	0.0993	23M7G7D	0.0787	23M7W7D
30	3465.00 ~ 3534.99	0.0995	28M6G7D	0.0780	28M6W7D
40	3470.01 ~ 3529.98	0.0982	38M6G7D	0.0778	38M6W7D
50	3475.02 ~ 3525.00	0.1014	48M3G7D	0.0776	48M2W7D

5G NR n78 SA-30KHz		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	0.0991	8M54G7D	0.0787	8M58W7D
15	3457.50 ~ 3542.49	0.0979	13M5G7D	0.0771	13M6W7D
20	3460.02 ~ 3540.00	0.0968	18M2G7D	0.0767	18M2W7D
25	3462.51 ~ 3537.48	0.0946	23M2G7D	0.0753	23M2W7D
30	3465.00 ~ 3534.99	0.0938	27M8G7D	0.0741	27M8W7D
40	3470.01 ~ 3529.98	0.0914	37M8G7D	0.0729	37M9W7D
50	3475.02 ~ 3525.00	0.0925	47M5G7D	0.0728	47M6W7D
60	3480.00 ~ 3519.99	0.0910	57M8G7D	0.0723	57M9W7D
70	3485.01 ~ 3514.98	0.0916	67M5G7D	0.0719	67M6W7D
80	3490.02 ~ 3510.00	0.0895	77M5G7D	0.0708	77M5W7D
90	3495.00 ~ 3504.99	0.0873	87M5G7D	0.0692	87M6W7D
100	3500.01	0.0993	97M5G7D	0.0793	97M4W7D

Note:

1. 5G NR Band n77 overlaps the entire frequency range of Band n78, and n77 power > n78 power, therefore the conducted test results of n77 provided in this report cover n78.
2. 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.**
	TH01-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.**
	03CH02-SZ	CN1256	421272

Test data subcontracted: Radiated Spurious Emission test case in section 4 of this report

1.8 Test Software

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

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.

1.10 Specification of Accessory

Accessories Information				
AC Adapter 1(US)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-331L
AC Adapter 1(EU)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-332L
AC Adapter 1(UK)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-333L
AC Adapter 1(AU)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-335L
AC Adapter 1(AR)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-336L
AC Adapter 1(BR)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-337L
AC Adapter 1(CHILE)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-339L
AC Adapter 1(KR)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-330L
AC Adapter 2(US)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-331L
AC Adapter 2(EU)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-332L
AC Adapter 2(UK)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-333L
AC Adapter 2(AR)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-336L
AC Adapter 2(BR)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-337L
AC Adapter 3(IN)	**Brand Name**	Motorola(AOHAI)	**Model Name**	MC-334L
AC Adapter 3(IN)	**Brand Name**	Motorola(XIHI)	**Model Name**	MC-334L
AC Adapter 4(IN)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-334L
AC Adapter 4(IN)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-334L
AC Adapter 5(US)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-331
Battery 1	**Brand Name**	Motorola(Sunwoda)	**Model Name**	RB52
Battery 2	**Brand Name**	Motorola(NVT)	**Model Name**	RB52
Battery 3	**Brand Name**	Motorola(SCUD)	**Model Name**	RB52
USB Cable 1	**Brand Name**	Motorola(Yihuaxing)	**Model Name**	T365-020 T365-020-01 T365-020-02
USB Cable 2	**Brand Name**	Motorola(WASHIN)	**Model Name**	HX-TL-01 HX-TL-07 HX-TL-08
USB Cable 3	**Brand Name**	Motorola(Juwei)	**Model Name**	JWUB1614-T03H JWUB1705-T03H JWUB1856-T03H

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.

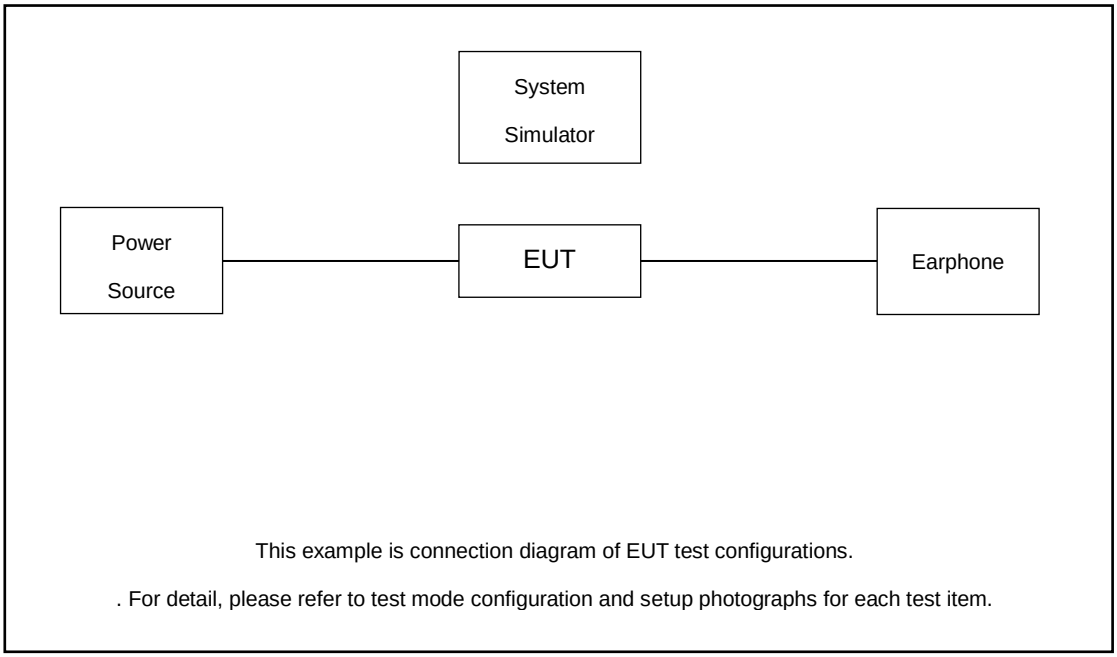
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

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
	5G n78	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	Full RB	M
	5G n78	20M	PI/2 BPSK, QPSK	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
	5G n78	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	QPSK, 16QAM, 64QAM, 256QAM	Full RB	M
	5G n78	10M, 15M, 20M, 25M, 30M, 40M, 50M, 60M, 70M, 80M, 90M ,100M	QPSK, 16QAM, 64QAM, 256QAM	Full RB	M
Conducted Band Edge	5G n77	10M, 25M, 50M, 100M	PI/2 BPSK, QPSK	1RB, Full RB	L, H
	5G n78	10M, 25M, 50M, 100M	PI/2 BPSK, QPSK	1RB, Full RB	L, H
Conducted Spurious Emission	5G n77	10M, 25M, 50M, 100M	PI/2 BPSK, QPSK	1RB	L, M, H
	5G n78	10M, 25M, 50M, 100M	PI/2 BPSK, QPSK	1RB	L, M, H
Frequency Stability	5G n77	20M	QPSK	Full RB	M
	5G n78	20M	QPSK	Full RB	M
Radiated Spurious Emission	5G n77	Worst case from maximum power			M
	5G n78	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 =3.45V; High Voltage =4.50V.

2.2 Connection Diagram of Test System



This example is connection diagram of EUT test configurations.

. For detail, please refer to test mode configuration and setup photographs for each test item.

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

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 and attenuator factor.

Offset = RF cable loss.

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

Example :

Offset(dB) = RF cable loss(dB).

= 8.9 (dB)

2.5 Frequency List of Low/Middle/High Channels

5G n77/n78 Channel and Frequency List for SCS 15kHz				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
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

5G n77/n78 Channel and Frequency List for SCS 30kHz				
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

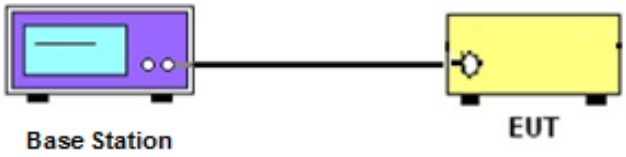
3 Conducted Test Items

3.1 Measuring Instruments

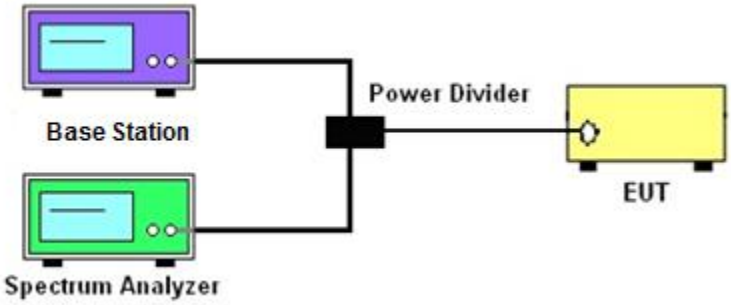
See list of measuring instruments of this test report.

3.2 Test Setup

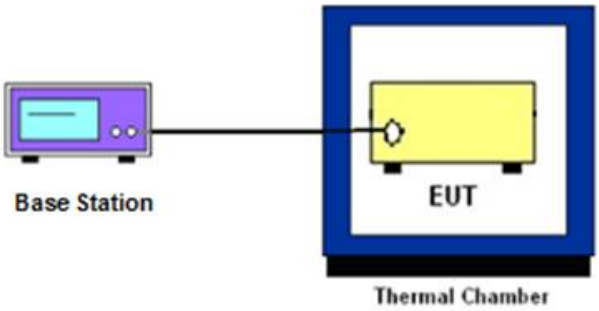
3.2.1 Conducted Output Power



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 ≥ 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 ≥ 500KHz.
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.

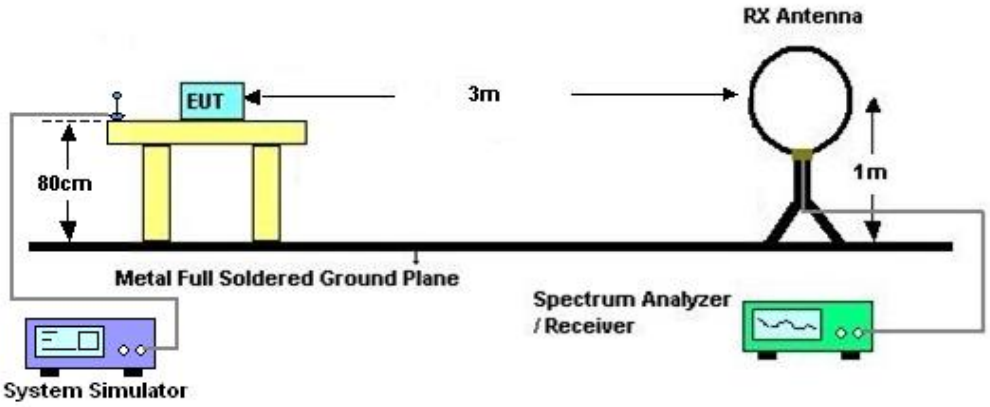
4 Radiated Test Items

4.1 Measuring Instruments

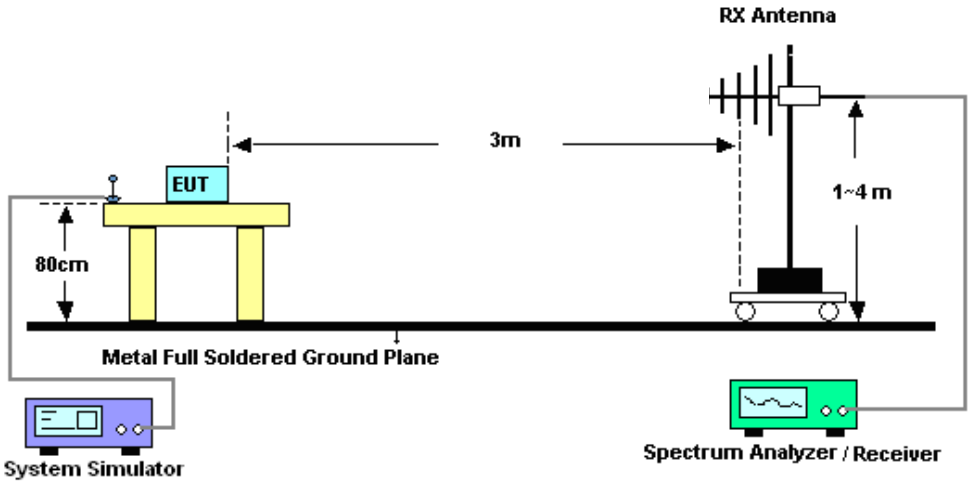
See list of measuring instruments of this test report.

4.2 Test Setup

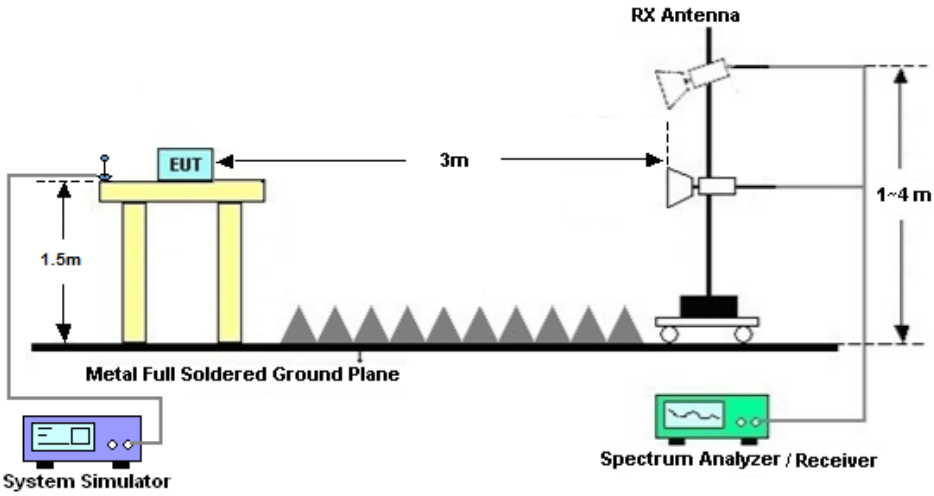
4.2.1 For radiated test below 30MHz



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.
   EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
   ERP (dBm) = 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	101040	10Hz~40GHz	Oct. 10, 2024	Feb. 26, 2025~ Mar. 19, 2025	Oct. 09, 2025	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Feb. 26, 2025~ Mar. 19, 2025	NCR	Conducted (TH01-KS)
Temperature &humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 04, 2024	Feb. 26, 2025~ Mar. 19, 2025	Jul. 03, 2025	Conducted (TH01-KS)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2024	Mar. 08, 2025	Jul. 02, 2025	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Mar. 08, 2025	Dec. 27, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	Mar. 08, 2025	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2024	Mar. 08, 2025	Jul. 04, 2025	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2024	Mar. 08, 2025	Jul. 03, 2025	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 09, 2024	Mar. 08, 2025	Apr. 08, 2025	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 18, 2024	Mar. 08, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 14, 2024	Mar. 08, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 18, 2024	Mar. 08, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Mar. 08, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Mar. 08, 2025	NCR	Radiation (03CH02-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 Zheng	**Temperature :**	22~23℃
		Relative Humidity :	40~42%

Software Version: 23.06.1602

FR1 N77 (Ant 5)_SCS15kHz

Transmitter Conducted Output Power And EIRP, (GT - LC)= -3.3dBi

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	25@12	23.2	19.9	0.0977
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	23.05	19.75	0.0944
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@50	23.11	19.81	0.0957
77	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	25@12	22.17	18.87	0.0771
77	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	22.17	18.87	0.0771
77	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@50	22.24	18.94	0.0783
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	25@12	23.06	19.76	0.0946
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.86	19.56	0.0904
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@50	22.95	19.65	0.0923
77	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	22.05	18.75	0.0750
77	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.03	18.73	0.0746
77	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@50	22.1	18.8	0.0759
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	25@12	23.18	19.88	0.0973
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@1	23.1	19.8	0.0955
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@50	23.11	19.81	0.0957
77	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	25@12	22.16	18.86	0.0769
77	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@1	22.31	19.01	0.0796
77	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@50	22.24	18.94	0.0783
77	15	15	630500	3457.5	DFT-s-OFDM QPSK	36@18	23.39	20.09	0.1021
77	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	23.18	19.88	0.0973
77	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@77	23.22	19.92	0.0982
77	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	36@18	22.37	19.07	0.0807
77	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	22.33	19.03	0.0800
77	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@77	22.33	19.03	0.0800
77	15	15	633334	3500.01	DFT-s-OFDM QPSK	36@18	23.17	19.87	0.0971
77	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.99	19.69	0.0931
77	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@77	23.09	19.79	0.0953
77	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	22.22	18.92	0.0780
77	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.11	18.81	0.0760
77	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@77	22.21	18.91	0.0778
77	15	15	636166	3542.49	DFT-s-OFDM QPSK	36@18	23.34	20.04	0.1009
77	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	23.27	19.97	0.0993
77	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@77	23.22	19.92	0.0982
77	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	36@18	22.37	19.07	0.0807

77	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	22.4	19.1	0.0813
77	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@77	22.33	19.03	0.0800
77	15	20	630667	3460.005	DFT-s-OFDM QPSK	50@25	23.37	20.07	0.1016
77	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@1	23.17	19.87	0.0971
77	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@104	23.14	19.84	0.0964
77	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	50@25	22.38	19.08	0.0809
77	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@1	22.32	19.02	0.0798
77	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@104	22.31	19.01	0.0796
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	50@25	23.21	19.91	0.0979
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.98	19.68	0.0929
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@104	23.03	19.73	0.0940
77	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	22.25	18.95	0.0785
77	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.14	18.84	0.0766
77	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	22.2	18.9	0.0776
77	15	20	636000	3540	DFT-s-OFDM QPSK	50@25	23.36	20.06	0.1014
77	15	20	636000	3540	DFT-s-OFDM QPSK	1@1	23.23	19.93	0.0984
77	15	20	636000	3540	DFT-s-OFDM QPSK	1@104	23.18	19.88	0.0973
77	15	20	636000	3540	DFT-s-OFDM 16 QAM	50@25	22.4	19.1	0.0813
77	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	22.44	19.14	0.0820
77	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@104	22.36	19.06	0.0805
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	64@32	23.38	20.08	0.1019
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	23.11	19.81	0.0957
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@131	22.92	19.62	0.0916
77	15	25	630834	3462.51	DFT-s-OFDM 16 QAM	64@32	22.36	19.06	0.0805
77	15	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	22.25	18.95	0.0785
77	15	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@131	22.09	18.79	0.0757
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	64@32	23.2	19.9	0.0977
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.92	19.62	0.0916
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@131	22.95	19.65	0.0923
77	15	25	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	22.22	18.92	0.0780
77	15	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.07	18.77	0.0753
77	15	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	22.09	18.79	0.0757
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	64@32	23.36	20.06	0.1014
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@1	23.15	19.85	0.0966
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@131	23.01	19.71	0.0935
77	15	25	635833	3537.495	DFT-s-OFDM 16 QAM	64@32	22.39	19.09	0.0811
77	15	25	635833	3537.495	DFT-s-OFDM 16 QAM	1@1	22.28	18.98	0.0791
77	15	25	635833	3537.495	DFT-s-OFDM 16 QAM	1@131	22.19	18.89	0.0774
77	15	30	631000	3465	DFT-s-OFDM QPSK	80@40	23.29	19.99	0.0998
77	15	30	631000	3465	DFT-s-OFDM QPSK	1@1	22.97	19.67	0.0927
77	15	30	631000	3465	DFT-s-OFDM QPSK	1@158	22.75	19.45	0.0881

77	15	30	631000	3465	DFT-s-OFDM 16 QAM	80@40	22.33	19.03	0.0800
77	15	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	22.15	18.85	0.0767
77	15	30	631000	3465	DFT-s-OFDM 16 QAM	1@158	21.9	18.6	0.0724
77	15	30	633334	3500.01	DFT-s-OFDM QPSK	80@40	23.2	19.9	0.0977
77	15	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.77	19.47	0.0885
77	15	30	633334	3500.01	DFT-s-OFDM QPSK	1@158	22.85	19.55	0.0902
77	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	80@40	22.23	18.93	0.0782
77	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.95	18.65	0.0733
77	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@158	21.99	18.69	0.0740
77	15	30	635666	3534.99	DFT-s-OFDM QPSK	80@40	23.33	20.03	0.1007
77	15	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	23.05	19.75	0.0944
77	15	30	635666	3534.99	DFT-s-OFDM QPSK	1@158	22.89	19.59	0.0910
77	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	80@40	22.33	19.03	0.0800
77	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	22.17	18.87	0.0771
77	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@158	22.04	18.74	0.0748
77	15	40	631334	3470.01	DFT-s-OFDM QPSK	108@54	23.25	19.95	0.0989
77	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	22.77	19.47	0.0885
77	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@214	22.45	19.15	0.0822
77	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	108@54	22.24	18.94	0.0783
77	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	21.93	18.63	0.0729
77	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@214	21.56	18.26	0.0670
77	15	40	633334	3500.01	DFT-s-OFDM QPSK	108@54	23.18	19.88	0.0973
77	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.63	19.33	0.0857
77	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@214	22.57	19.27	0.0845
77	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	22.18	18.88	0.0773
77	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.79	18.49	0.0706
77	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@214	21.73	18.43	0.0697
77	15	40	635333	3529.995	DFT-s-OFDM QPSK	108@54	23.28	19.98	0.0995
77	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@1	22.72	19.42	0.0875
77	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@214	22.61	19.31	0.0853
77	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	108@54	22.3	19	0.0794
77	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@1	21.88	18.58	0.0721
77	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@214	21.8	18.5	0.0708
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	135@67	23.32	20.02	0.1005
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@1	23.25	19.95	0.0989
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@268	22.88	19.58	0.0908
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	135@67	23.32	20.02	0.1005
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@1	23.22	19.92	0.0982
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@268	22.94	19.64	0.0920
77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	135@67	22.32	19.02	0.0798
77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@1	22.38	19.08	0.0809

77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@268	22.09	18.79	0.0757
77	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	135@67	20.84	17.54	0.0568
77	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@1	21.14	17.84	0.0608
77	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@268	20.84	17.54	0.0568
77	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	135@67	18.86	15.56	0.0360
77	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@1	18.86	15.56	0.0360
77	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@268	18.62	15.32	0.0340
77	15	50	631667	3475.005	CP-OFDM QPSK	135@67	21.8	18.5	0.0708
77	15	50	631667	3475.005	CP-OFDM QPSK	1@1	21.75	18.45	0.0700
77	15	50	631667	3475.005	CP-OFDM QPSK	1@268	21.49	18.19	0.0659
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	23.27	19.97	0.0993
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.15	19.85	0.0966
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@268	23.06	19.76	0.0946
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	135@67	23.3	20	0.1000
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.13	19.83	0.0962
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@268	23.03	19.73	0.0940
77	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	22.28	18.98	0.0791
77	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.26	18.96	0.0787
77	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@268	22.17	18.87	0.0771
77	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	20.81	17.51	0.0564
77	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.01	17.71	0.0590
77	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@268	20.92	17.62	0.0578
77	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	18.82	15.52	0.0356
77	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.7	15.4	0.0347
77	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@268	18.69	15.39	0.0346
77	15	50	633334	3500.01	CP-OFDM QPSK	135@67	21.77	18.47	0.0703
77	15	50	633334	3500.01	CP-OFDM QPSK	1@1	21.67	18.37	0.0687
77	15	50	633334	3500.01	CP-OFDM QPSK	1@268	21.66	18.36	0.0685
77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	135@67	23.42	20.12	0.1028
77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	23.12	19.82	0.0959
77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@268	23	19.7	0.0933
77	15	50	635000	3525	DFT-s-OFDM QPSK	135@67	23.43	20.13	0.1030
77	15	50	635000	3525	DFT-s-OFDM QPSK	1@1	23.11	19.81	0.0957
77	15	50	635000	3525	DFT-s-OFDM QPSK	1@268	22.98	19.68	0.0929
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	135@67	22.42	19.12	0.0817
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	22.24	18.94	0.0783
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@268	22.17	18.87	0.0771
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	135@67	20.97	17.67	0.0585
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	20.9	17.6	0.0575
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@268	20.86	17.56	0.0570
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	135@67	18.97	15.67	0.0369

77	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	18.71	15.41	0.0348
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@268	18.63	15.33	0.0341
77	15	50	635000	3525	CP-OFDM QPSK	135@67	21.89	18.59	0.0723
77	15	50	635000	3525	CP-OFDM QPSK	1@1	21.7	18.4	0.0692
77	15	50	635000	3525	CP-OFDM QPSK	1@268	21.61	18.31	0.0678

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	14.2	**PASS**	NV
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	7.6	**PASS**	LV
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	9.6	**PASS**	HV
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	14.7	**PASS**	-30℃
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	15.1	**PASS**	-20℃
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	8.6	**PASS**	-10℃
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	7.9	**PASS**	0℃
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	9.5	**PASS**	10℃
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	14.2	**PASS**	20℃
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	14	**PASS**	30℃
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	13.1	**PASS**	40℃
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	6.5	**PASS**	50℃

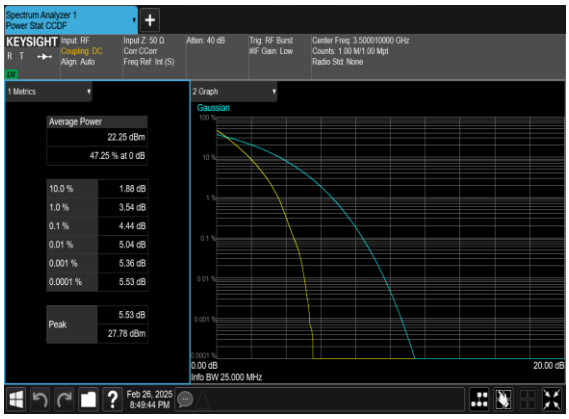
|MAX(△f)| =15.1 Hz

Frequency Stability	Frequency (MHz)	Limit Line	Result
f_L – |MAX(△f)|	3450.524285	≧ 3450 MHz	PASS
f_H + |MAX(△f)|	3548.371915	≦ 3550 MHz	

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	4.44	13	**PASS**
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	5.48	13	**PASS**

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



N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

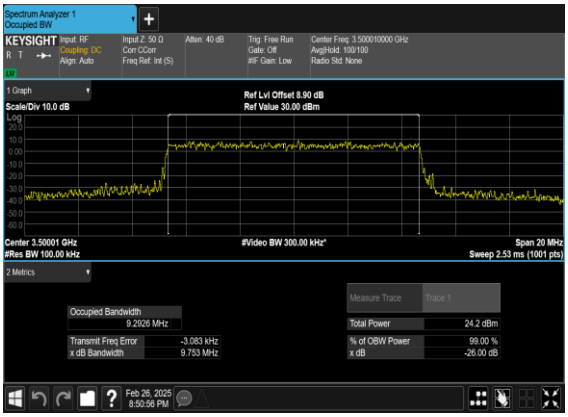
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	15	10	633334	3500.01	CP-OFDM QPSK	52@0	9.2918	9.706
77	15	10	633334	3500.01	CP-OFDM 16 QAM	52@0	9.2926	9.753
77	15	10	633334	3500.01	CP-OFDM 64 QAM	52@0	9.2938	9.849
77	15	10	633334	3500.01	CP-OFDM 256 QAM	52@0	9.3045	9.743
77	15	15	633334	3500.01	CP-OFDM QPSK	79@0	14.103	14.61
77	15	15	633334	3500.01	CP-OFDM 16 QAM	79@0	14.055	14.68
77	15	15	633334	3500.01	CP-OFDM 64 QAM	79@0	14.093	14.55
77	15	15	633334	3500.01	CP-OFDM 256 QAM	79@0	14.043	14.58
77	15	20	633334	3500.01	CP-OFDM QPSK	106@0	18.926	19.6
77	15	20	633334	3500.01	CP-OFDM 16 QAM	106@0	18.845	19.69
77	15	20	633334	3500.01	CP-OFDM 64 QAM	106@0	18.9	19.6
77	15	20	633334	3500.01	CP-OFDM 256 QAM	106@0	18.932	19.68
77	15	25	633334	3500.01	CP-OFDM QPSK	133@0	23.695	24.63
77	15	25	633334	3500.01	CP-OFDM 16 QAM	133@0	23.683	24.67
77	15	25	633334	3500.01	CP-OFDM 64 QAM	133@0	23.696	24.57
77	15	25	633334	3500.01	CP-OFDM 256 QAM	133@0	23.709	24.62
77	15	30	633334	3500.01	CP-OFDM QPSK	160@0	28.572	29.44
77	15	30	633334	3500.01	CP-OFDM 16 QAM	160@0	28.606	29.8
77	15	30	633334	3500.01	CP-OFDM 64 QAM	160@0	28.576	29.48
77	15	30	633334	3500.01	CP-OFDM 256 QAM	160@0	28.508	29.45
77	15	40	633334	3500.01	CP-OFDM QPSK	216@0	38.589	39.84
77	15	40	633334	3500.01	CP-OFDM 16 QAM	216@0	38.562	39.81
77	15	40	633334	3500.01	CP-OFDM 64 QAM	216@0	38.575	39.82

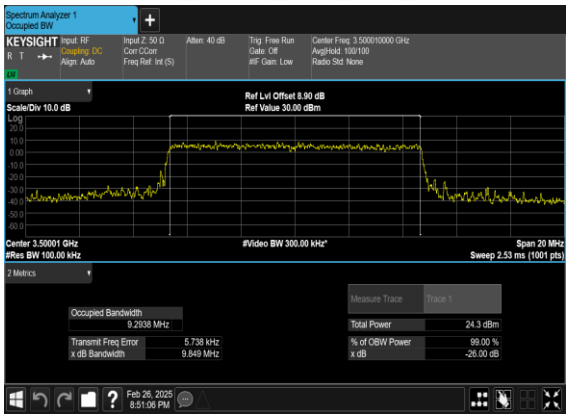
77	15	40	633334	3500.01	CP-OFDM 256 QAM	216@0	38.478	39.8
77	15	50	633334	3500.01	CP-OFDM QPSK	270@0	48.346	49.75
77	15	50	633334	3500.01	CP-OFDM 16 QAM	270@0	48.035	49.75
77	15	50	633334	3500.01	CP-OFDM 64 QAM	270@0	48.108	49.65
77	15	50	633334	3500.01	CP-OFDM 256 QAM	270@0	48.159	49.74

N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

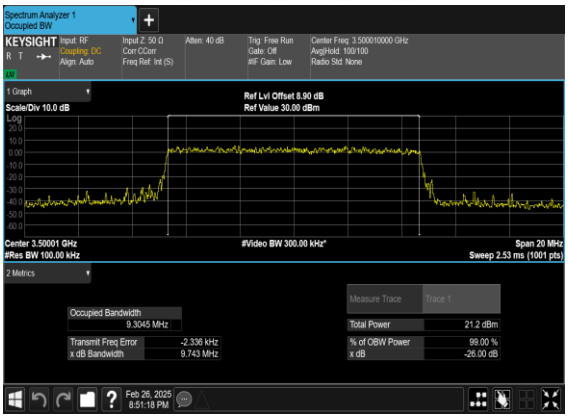
N77(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

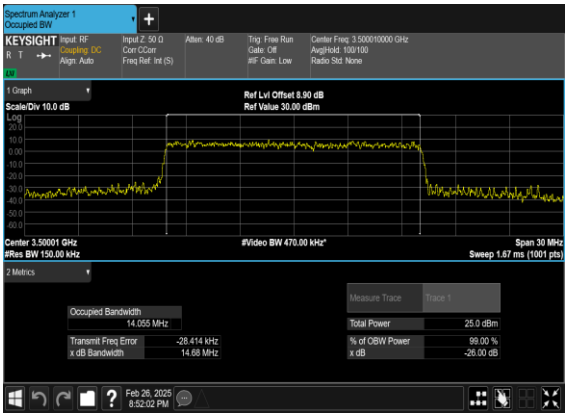


N77(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

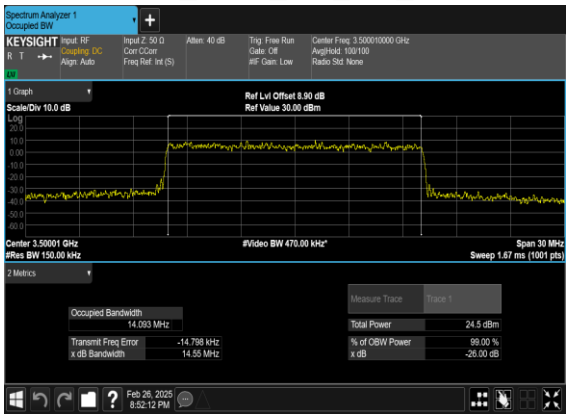


N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

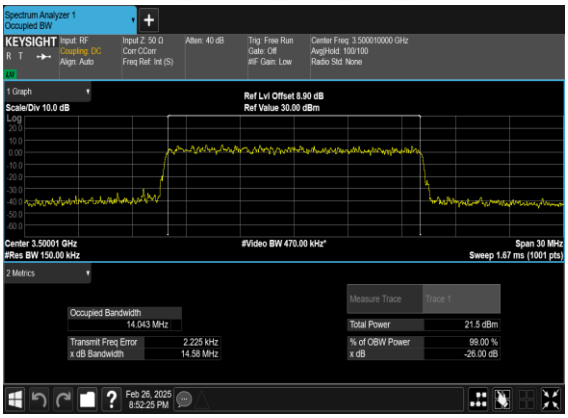
N77(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

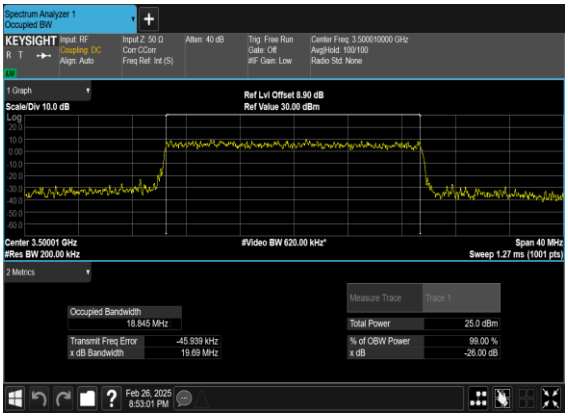


N77(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

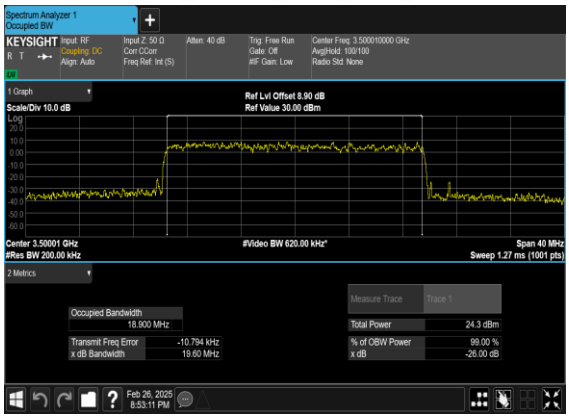


N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

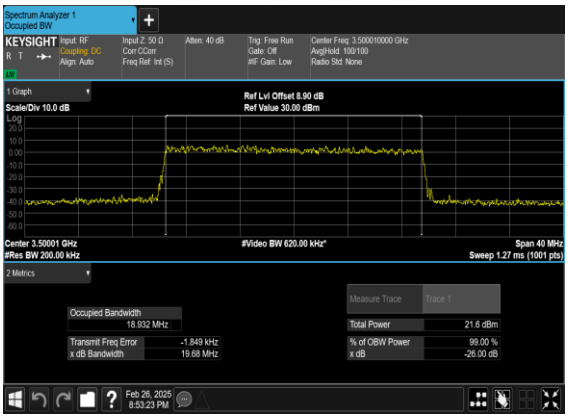
N77(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

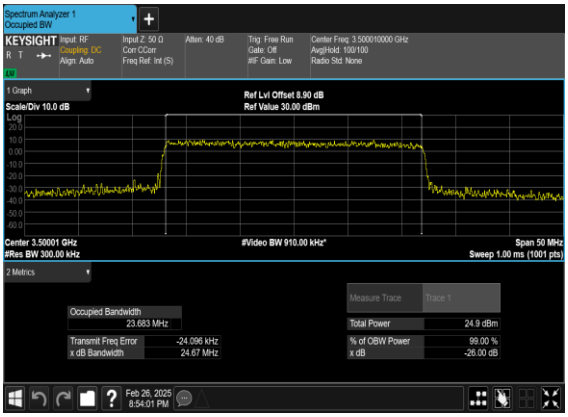


N77(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

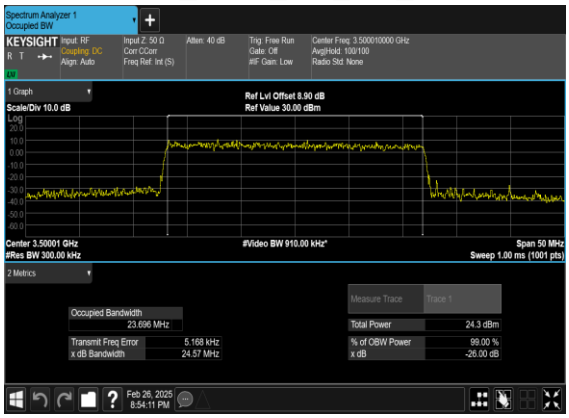


N77(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

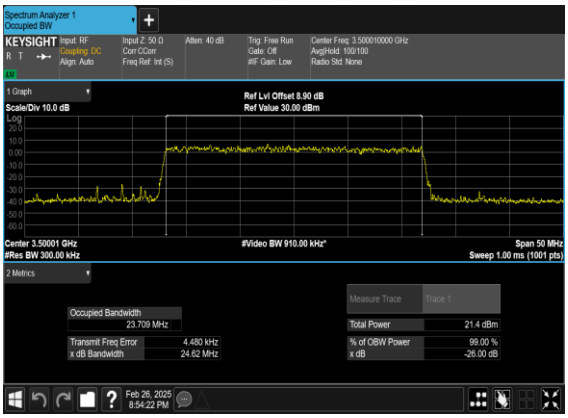
N77(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

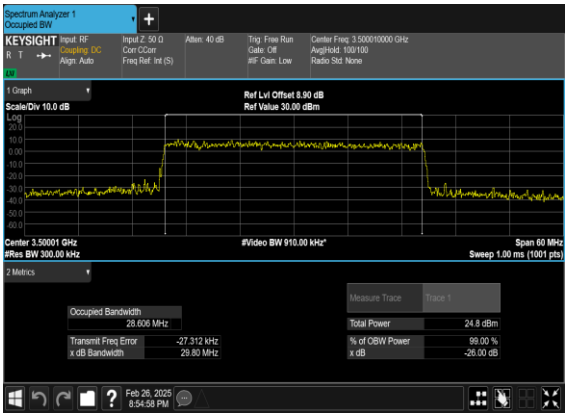


N77(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

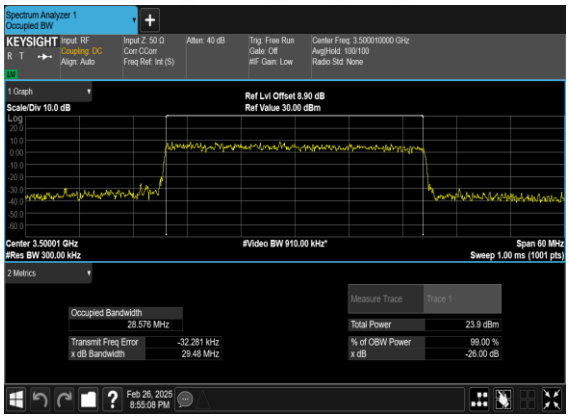


N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

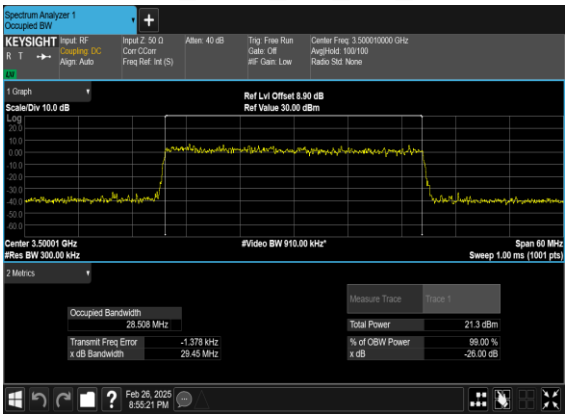
N77(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

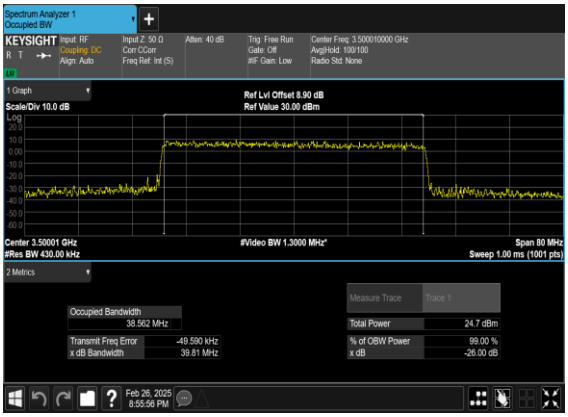


N77(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

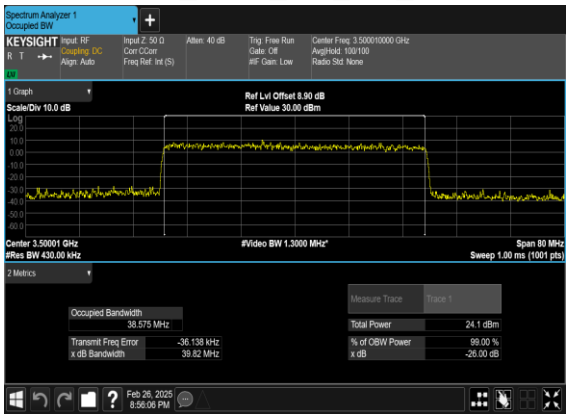


N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

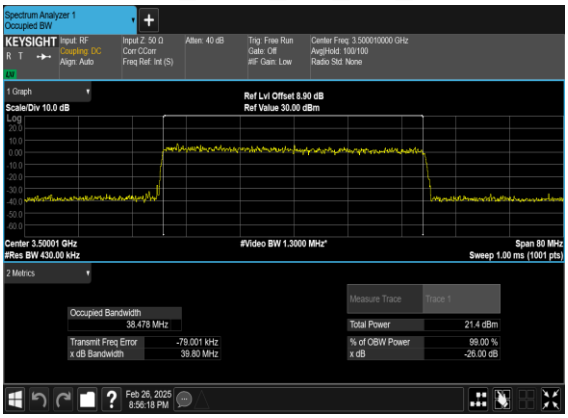
N77(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



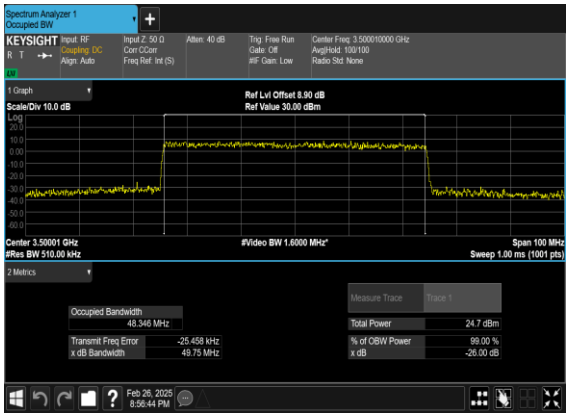
N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



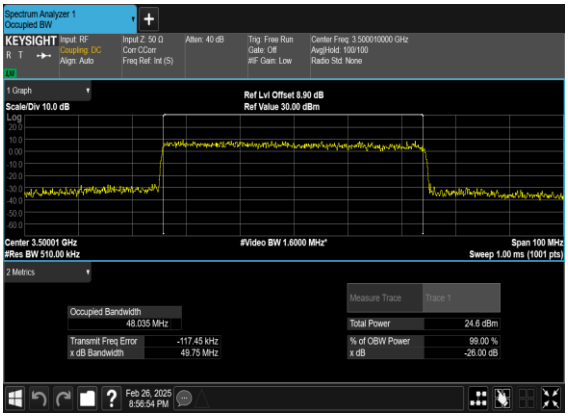
N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



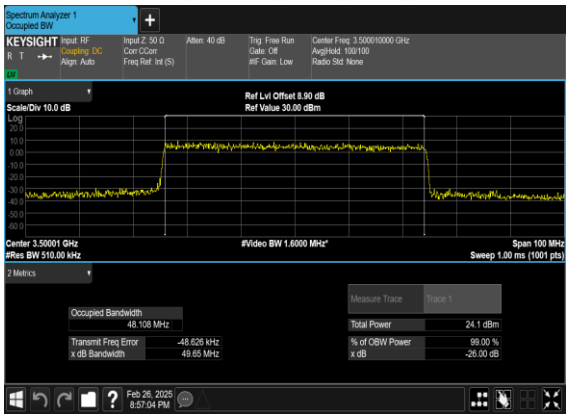
N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



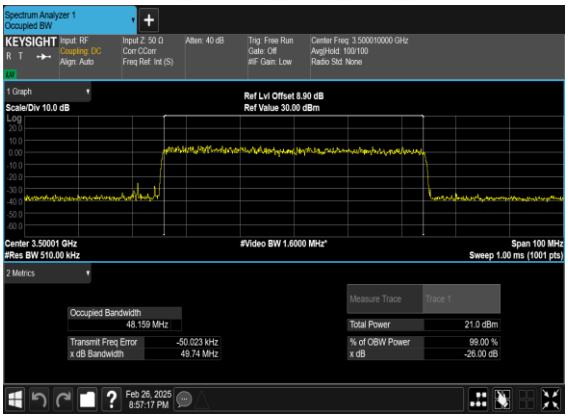
N77(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



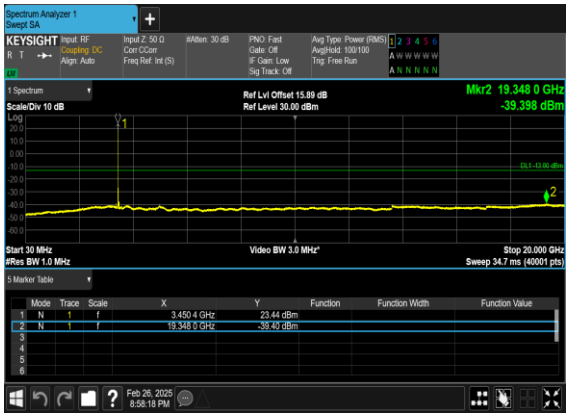
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	15	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	25	630834	3462.51	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	15	25	630834	3462.51	DFT-s-OFDM BPSK	1@0	see graph	**PASS**

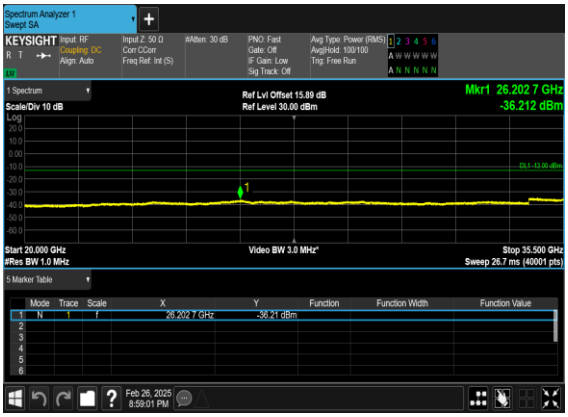
77	15	25	630834	3462.51	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	25	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	15	25	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	25	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	25	635833	3537.495	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	15	25	635833	3537.495	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	25	635833	3537.495	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

77	15	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	15	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

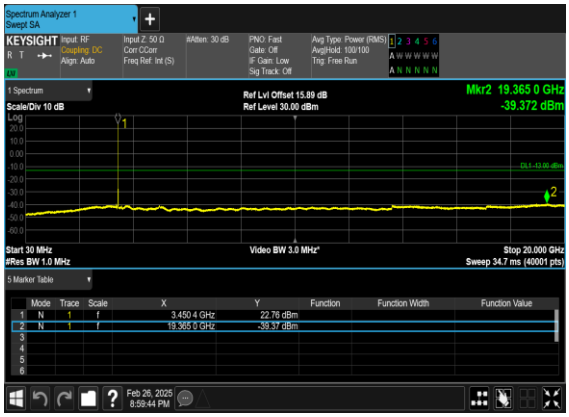
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



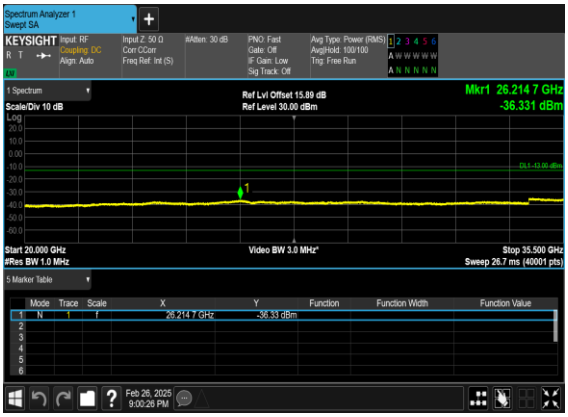
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



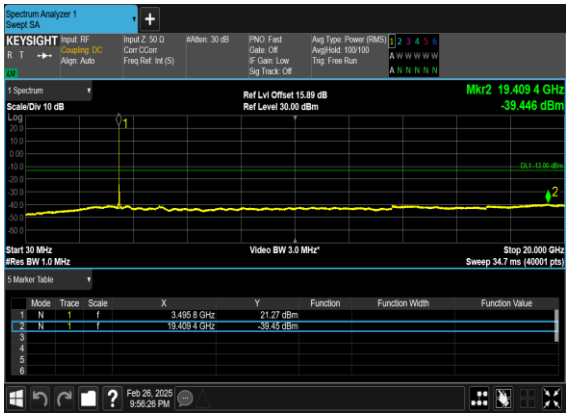
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



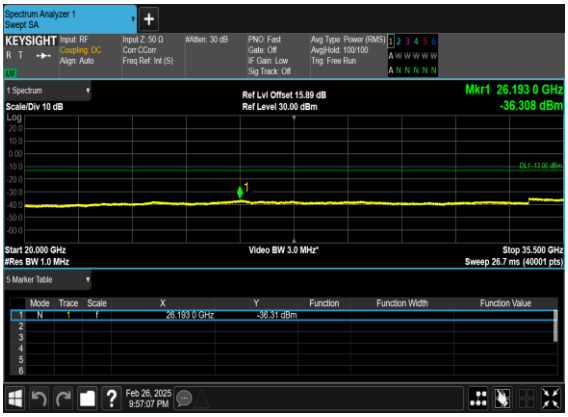
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



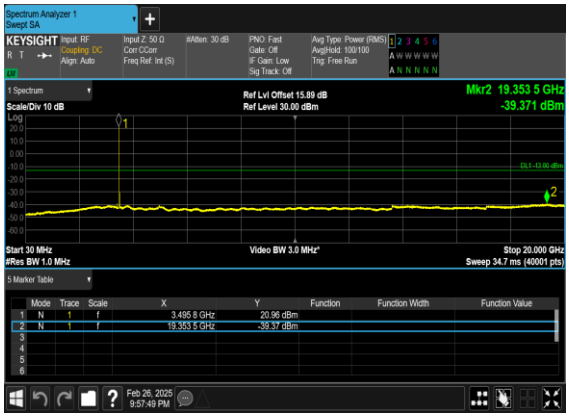
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



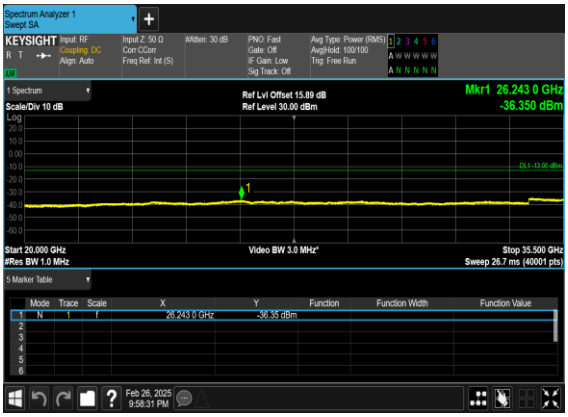
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



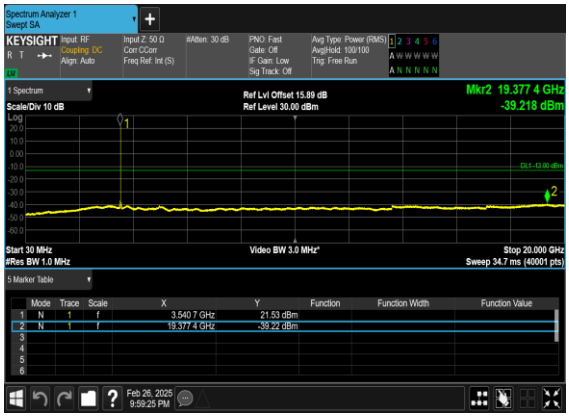
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



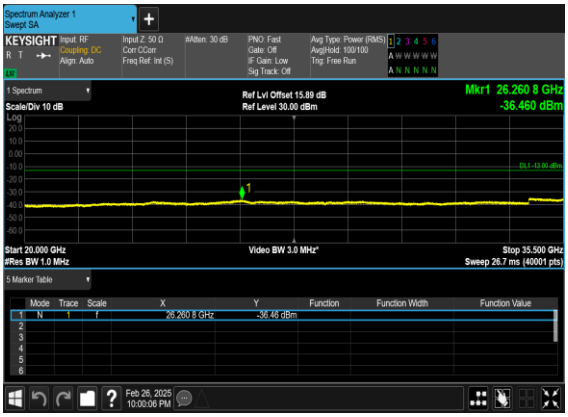
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



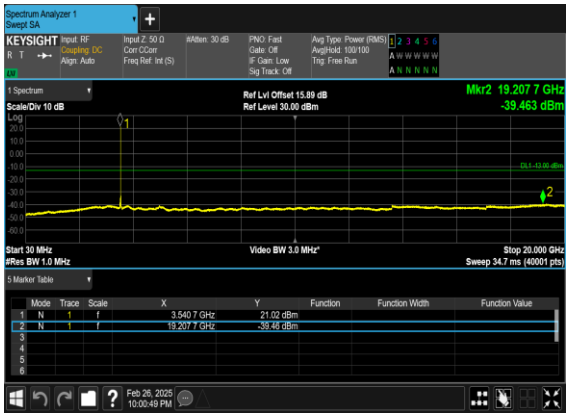
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



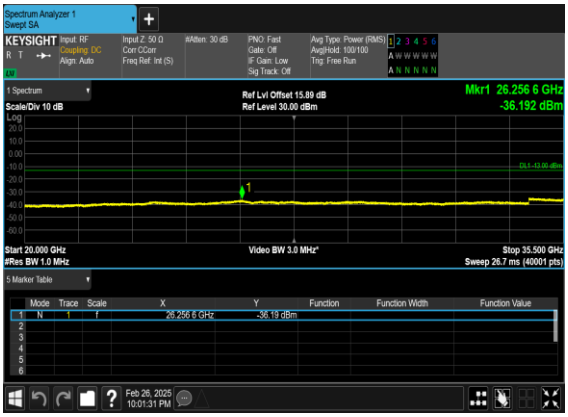
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



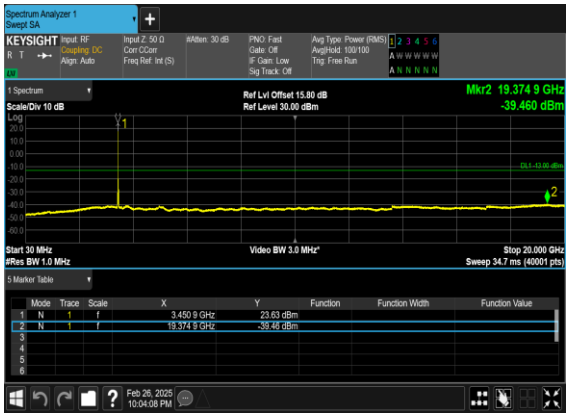
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



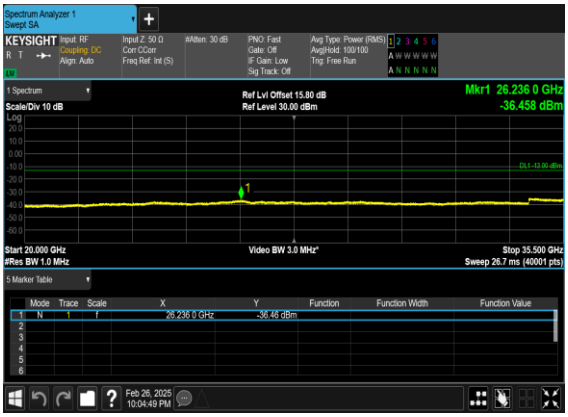
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



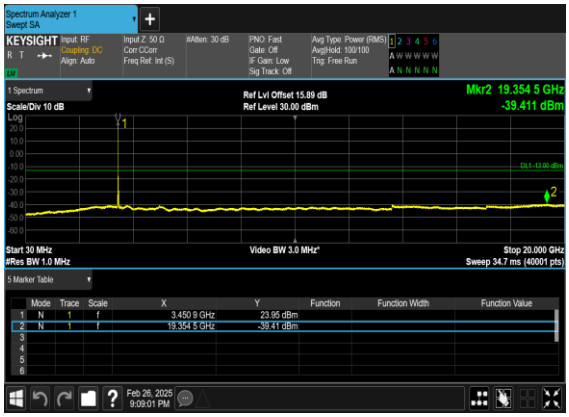
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



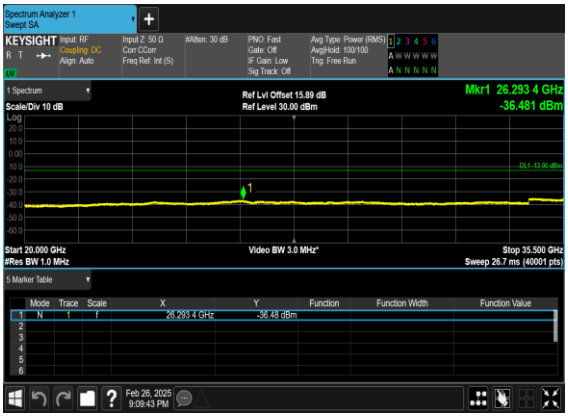
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



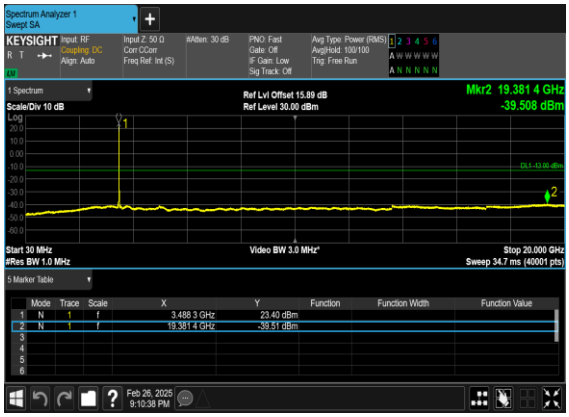
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



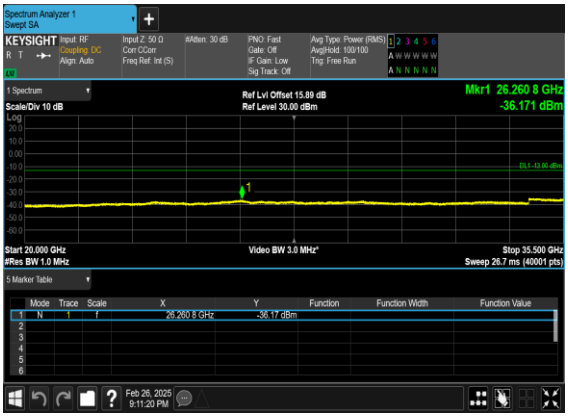
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



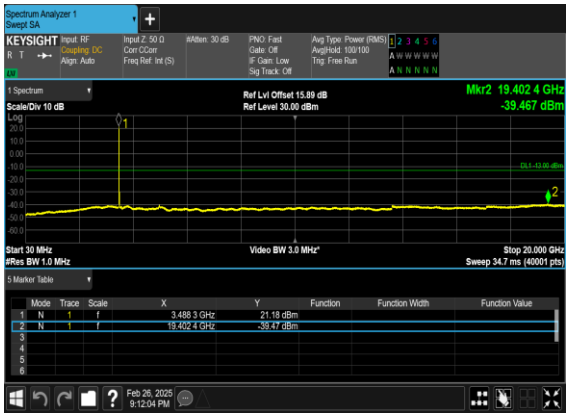
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



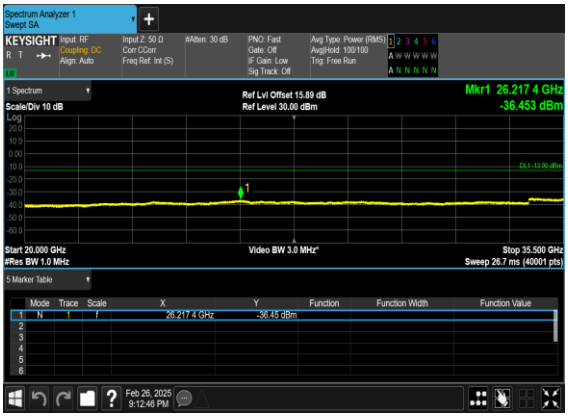
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



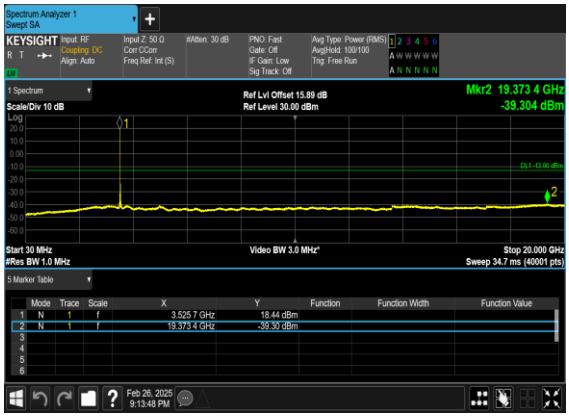
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



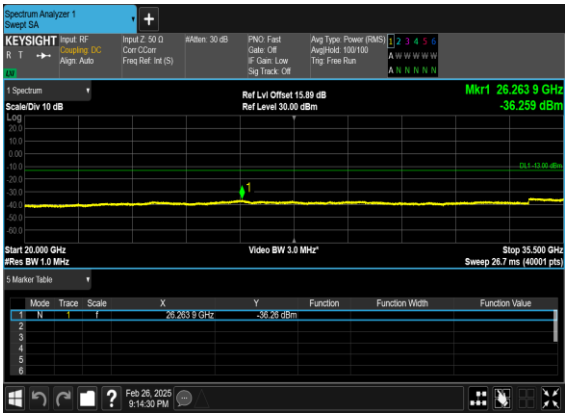
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



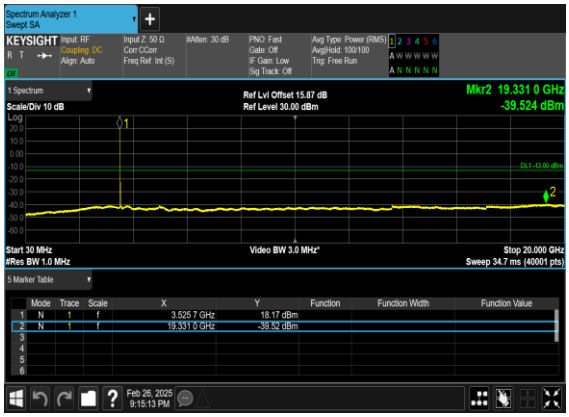
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



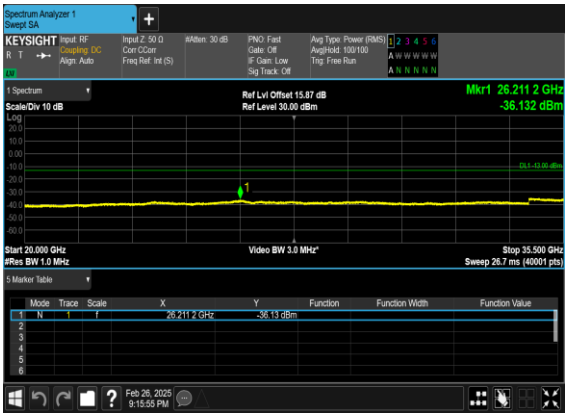
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



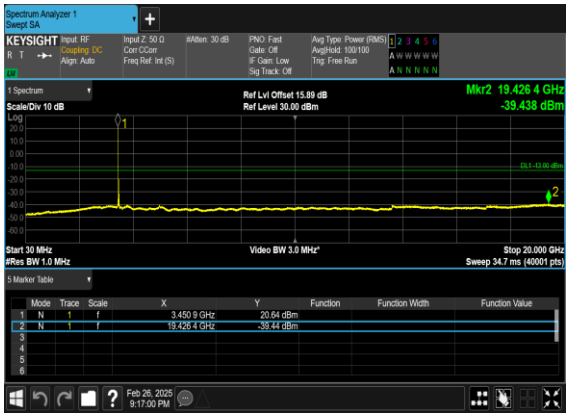
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



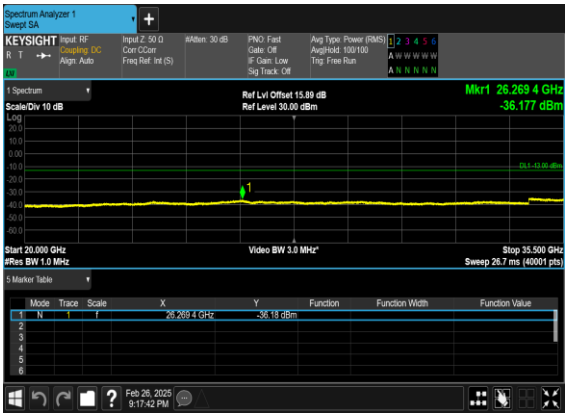
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



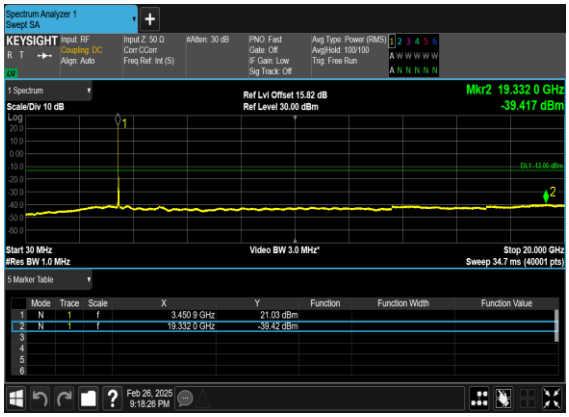
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



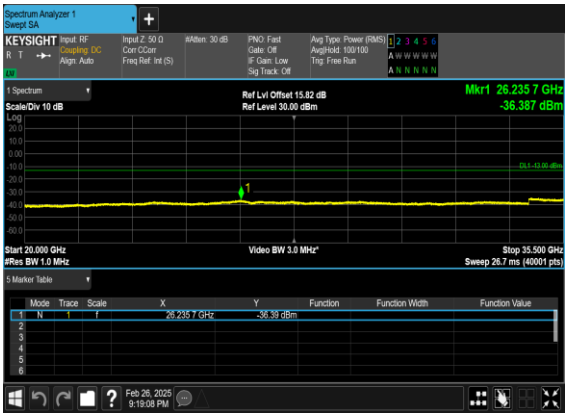
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



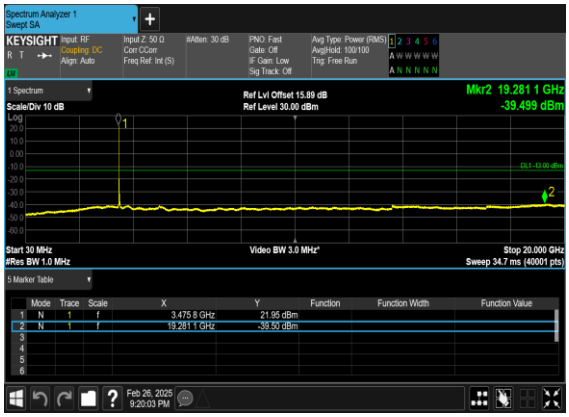
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



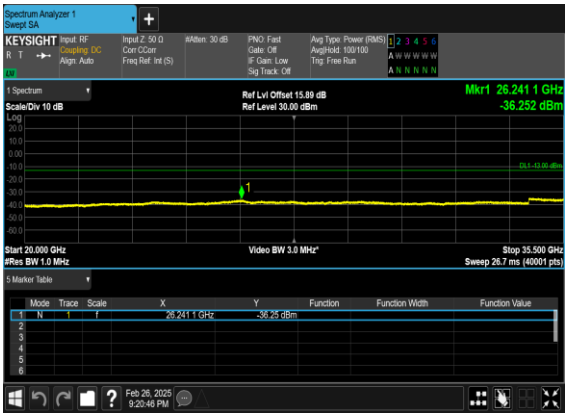
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



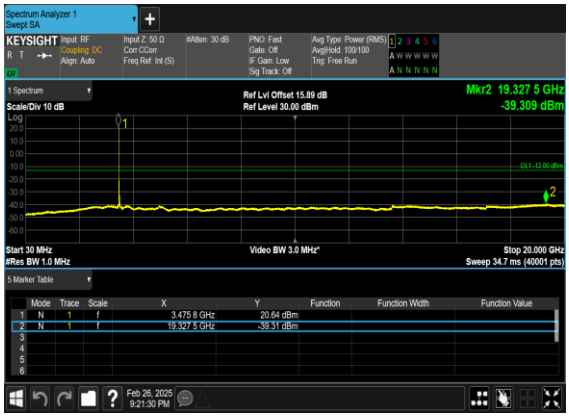
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



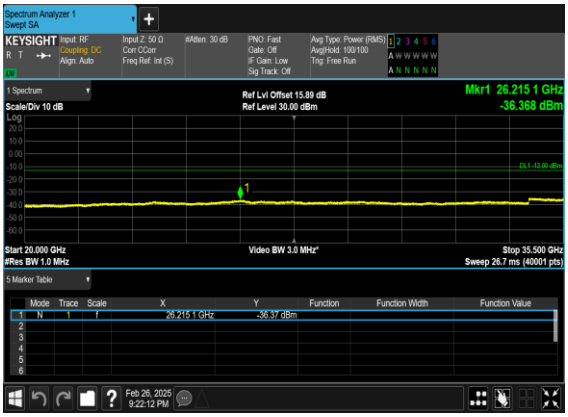
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



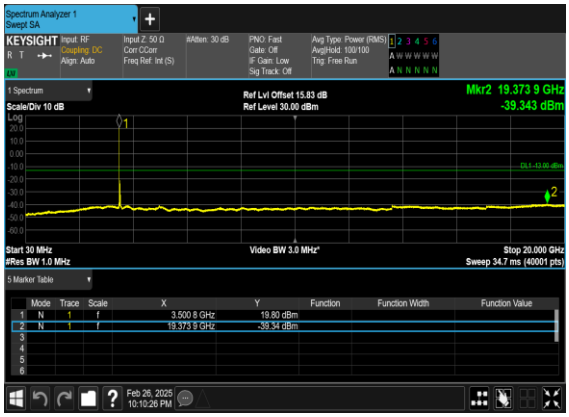
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



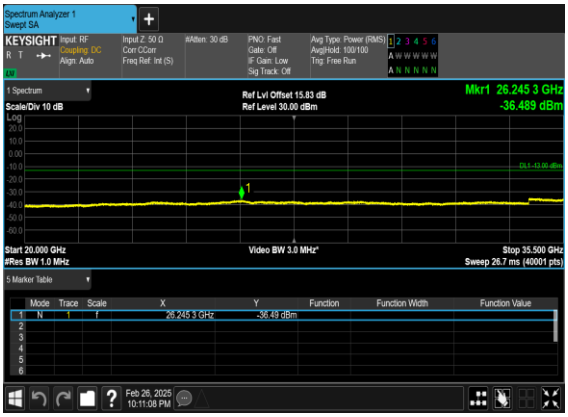
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



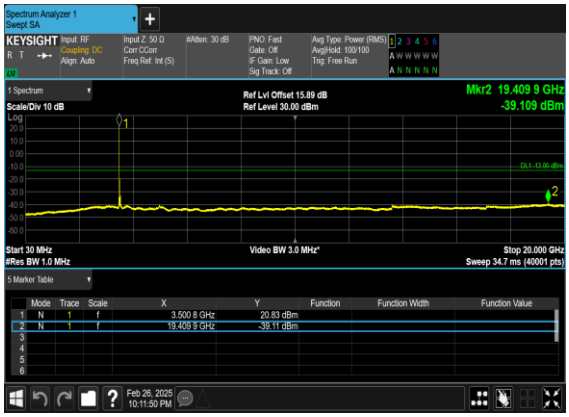
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



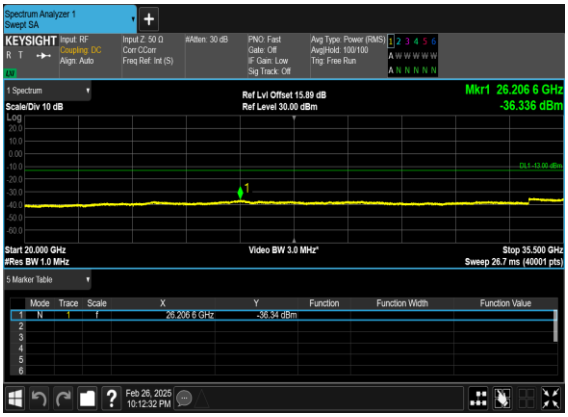
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



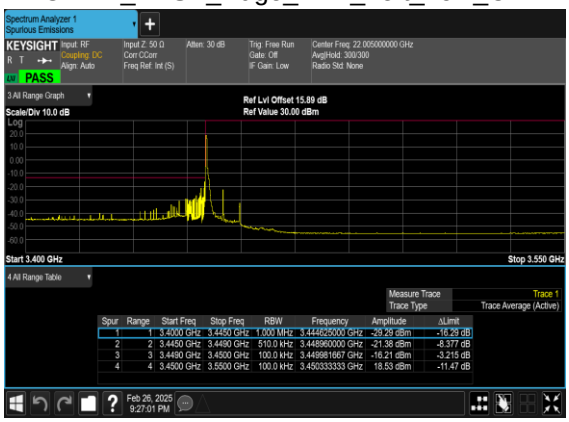
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



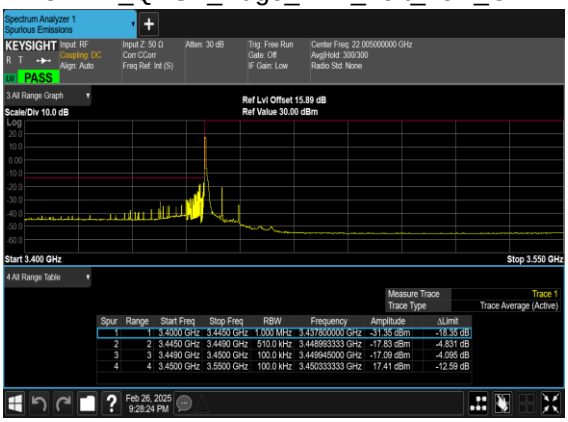
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	10	630334	3455.01	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
77	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@51	see graph	**PASS**
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@51	see graph	**PASS**
77	15	10	636333	3544.995	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
77	15	25	630834	3462.51	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	25	630834	3462.51	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
77	15	25	635833	3537.495	DFT-s-OFDM BPSK	1@132	see graph	**PASS**
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@132	see graph	**PASS**
77	15	25	635833	3537.495	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
77	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	15	50	631667	3475.005	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	270@0	see graph	**PASS**
77	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@269	see graph	**PASS**
77	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@269	see graph	**PASS**
77	15	50	635000	3525.0	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
77	15	50	635000	3525.0	DFT-s-OFDM QPSK	270@0	see graph	**PASS**

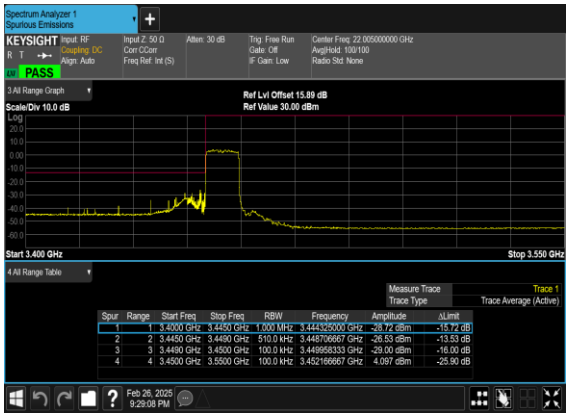
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



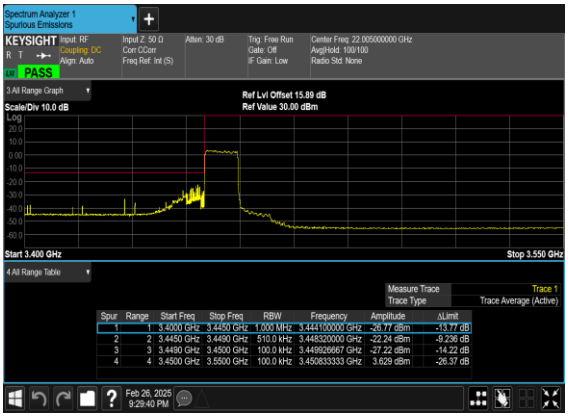
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



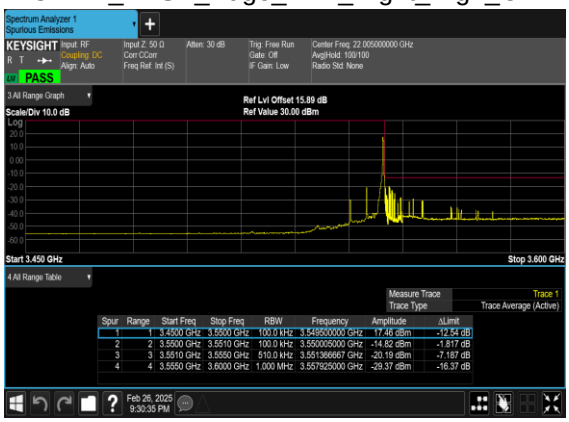
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



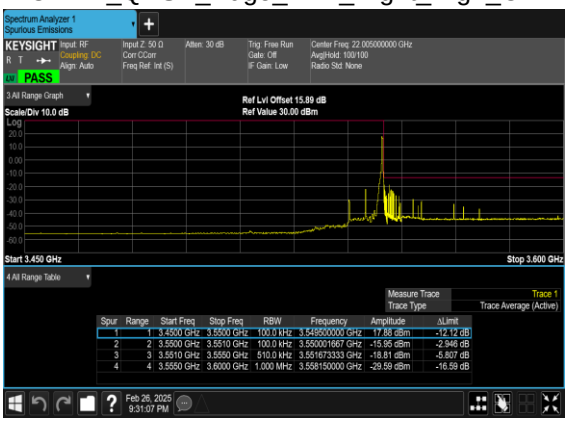
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

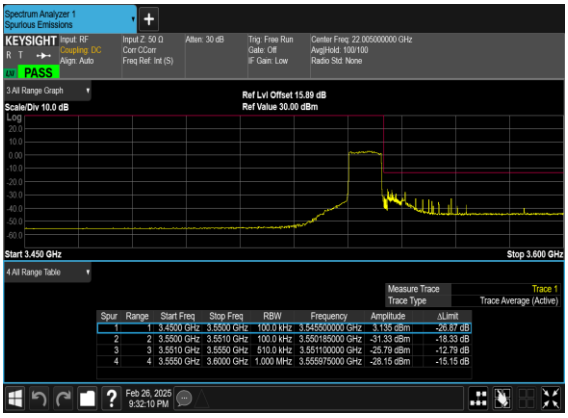


N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

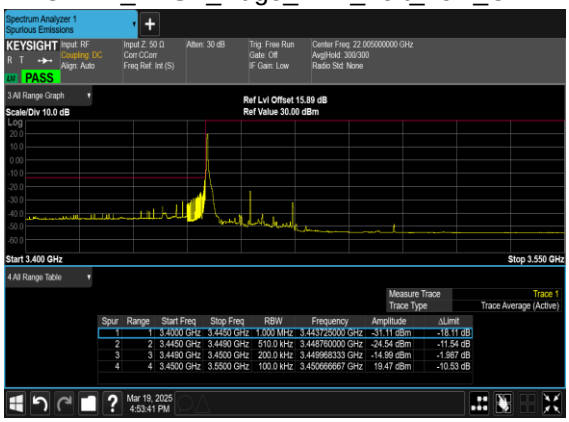


N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

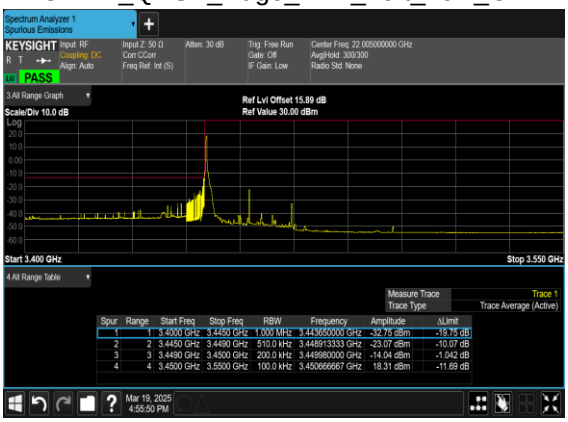
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

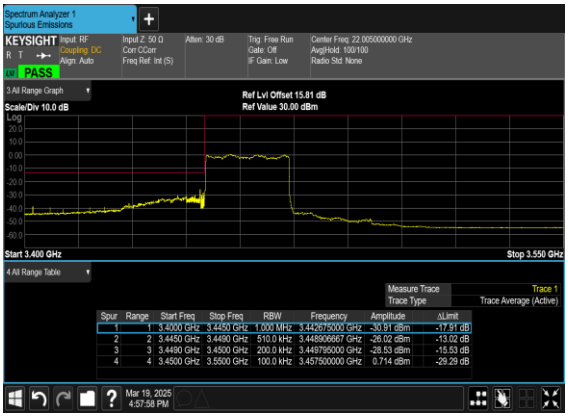


N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

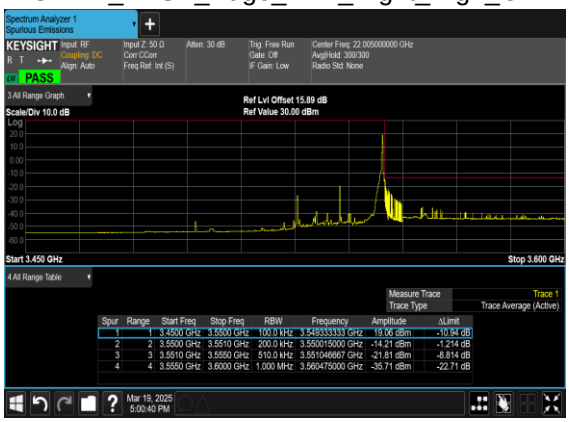


N77(25M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

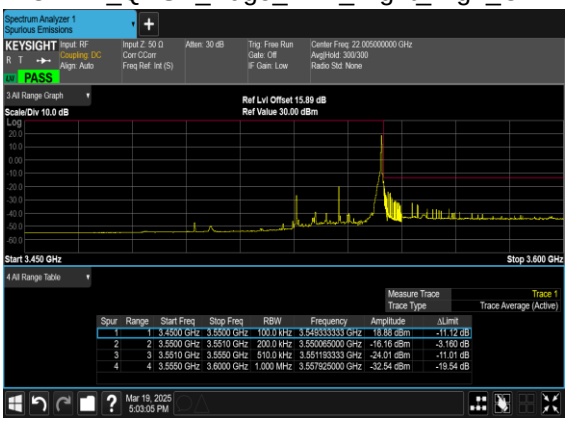
N77(25M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



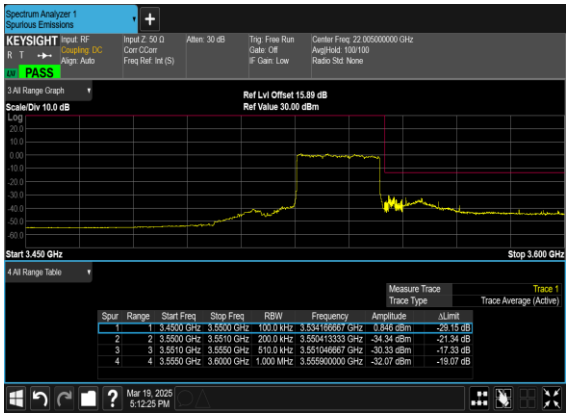
N77(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



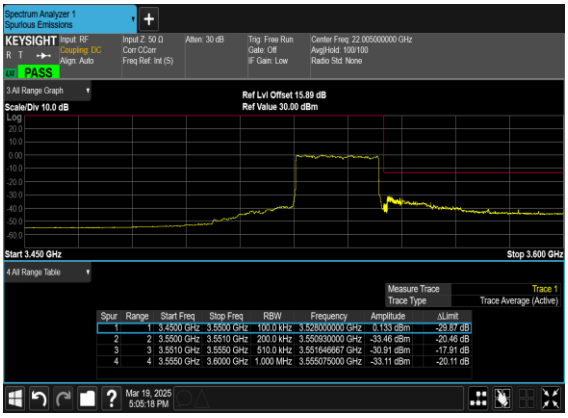
N77(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



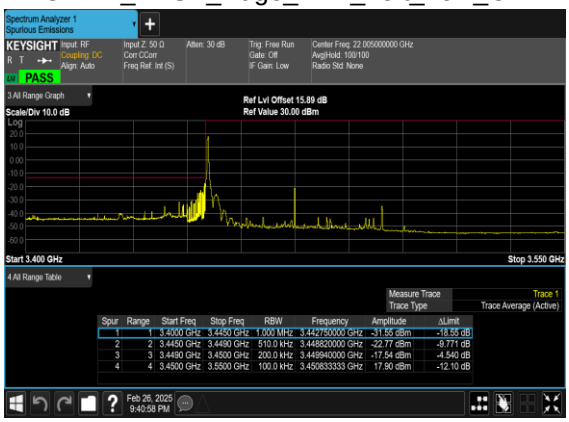
N77(25M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



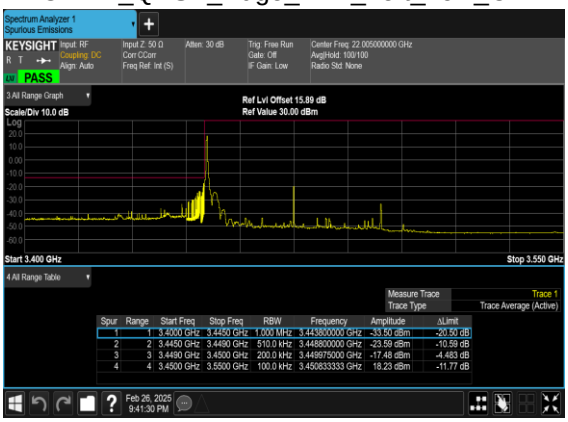
N77(25M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



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_BPSK_Outer_Full_Low_CH

N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH