FCC RF Test Report

APPLICANT	:	**Xiaomi Communications Co., Ltd.**
EQUIPMENT	:	**Mobile Phone**
BRAND NAME	:	**POCO**
MODEL NAME	:	**2412DPC0AG**
FCC ID	:	**2AFZZPC0AG**
STANDARD	:	**47 CFR Part 27 Subpart Q**
CLASSIFICATION	:	**PCS Licensed Transmitter Held to Ear (PCE)**
TEST DATE(S)	:	**Oct. 12, 2024 ~ Oct 23, 2024**

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

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

Jason Jia

Approved by: Jason Jia

ACCREDITED Cert #5145.01

Sporton International Inc. (ShenZhen)

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

People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG4O0803N	Rev. 01	Initial issue of report	Nov. 14, 2024

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 19.68 dB at 7591.500 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

Xiaomi Communications Co., Ltd.
#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

1.2 Manufacturer

Xiaomi Communications Co., Ltd.
#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	POCO
Model Name	2412DPC0AG
FCC ID	2AFZZPC0AG
IMEI Code	Conducted: 862842070047545 Radiation: 862842070045804/862842070045812
HW Version	135100O10
SW Version	Xiaomi HyperOS 2.0
EUT Stage	Identical Prototype

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: n77/n78: 10 / 15 / 20 / 25 / 30 / 40 / 50MHz 30kHz: n77/n78: 10 / 15 / 20 / 25 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100MHz
Antenna Gain	**<Ant. 6>** 5G NR n77/n78: -2.7 dBi **<Ant. 8>**5G NR n77/n78 : -2.7 dBi **<Ant. 7>**5G NR n77/n78: -2.8 dBi **<Ant. 9>**5G NR n77/n78: -2.8 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 6.
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 HPUE mode for 5G NR n77/n78.

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 n77-15KHz		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	0.1607	9M26G7D	0.1268	9M27W7D
15	3457.50 ~ 3542.49	0.1633	14M1G7D	0.1291	14M1W7D
20	3460.02 ~ 3540.00	0.1656	18M9G7D	0.1300	18M9W7D
25	3462.51 ~ 3537.48	0.1614	23M7G7D	0.1265	23M8W7D
30	3465.00 ~ 3534.99	0.1648	28M4G7D	0.1291	28M6W7D
40	3470.01 ~ 3529.98	0.1660	38M5G7D	0.1306	38M6W7D
50	3475.02 ~ 3525.00	0.1663	48M1G7D	0.1279	48M2W7D

5G NR n78-15KHz		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	0.2128	9M26G7D	0.1607	9M27W7D
15	3457.50 ~ 3542.49	0.2133	14M1G7D	0.1596	14M1W7D
20	3460.02 ~ 3540.00	0.2183	18M9G7D	0.1629	18M9W7D
25	3462.51 ~ 3537.48	0.2158	23M7G7D	0.1644	23M8W7D
30	3465.00 ~ 3534.99	0.2208	28M4G7D	0.1671	28M6W7D
40	3470.01 ~ 3529.98	0.2208	38M5G7D	0.1663	38M6W7D
50	3475.02 ~ 3525.00	0.2213	48M1G7D	0.1629	48M2W7D

5G NR n77-30KHz		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	0.1589	8M59G7D	0.1300	8M59W7D
15	3457.50 ~ 3542.49	0.1596	13M5G7D	0.1262	13M6W7D
20	3460.02 ~ 3540.00	0.1622	18M2G7D	0.1285	18M2W7D
25	3462.51 ~ 3537.48	0.1607	23M2G7D	0.1294	23M3W7D
30	3465.00 ~ 3534.99	0.1644	27M8G7D	0.1318	27M8W7D
40	3470.01 ~ 3529.98	0.1641	37M8G7D	0.1321	37M9W7D
50	3475.02 ~ 3525.00	0.1622	47M4G7D	0.1312	47M5W7D
60	3480.00 ~ 3519.99	0.1614	57M8G7D	0.1291	57M8W7D
70	3485.01 ~ 3514.98	0.1614	67M5G7D	0.1279	67M5W7D
80	3490.02 ~ 3510.00	0.1596	77M5G7D	0.1259	77M5W7D
90	3495.00 ~ 3504.99	0.1648	87M5G7D	0.1262	87M6W7D
100	3500.01	0.1652	97M5G7D	0.1276	97M5W7D

5G NR n78-30KHz		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	0.1950	8M59G7D	0.1589	8M59W7D
15	3457.50 ~ 3542.49	0.2113	13M5G7D	0.1622	13M6W7D
20	3460.02 ~ 3540.00	0.1982	18M2G7D	0.1644	18M2W7D
25	3462.51 ~ 3537.48	0.2009	23M2G7D	0.1648	23M3W7D
30	3465.00 ~ 3534.99	0.2104	27M8G7D	0.1652	27M8W7D
40	3470.01 ~ 3529.98	0.2065	37M8G7D	0.1675	37M9W7D
50	3475.02 ~ 3525.00	0.2028	47M4G7D	0.1641	47M5W7D
60	3480.00 ~ 3519.99	0.2104	57M8G7D	0.1592	57M8W7D
70	3485.01 ~ 3514.98	0.1977	67M5G7D	0.1596	67M5W7D
80	3490.02 ~ 3510.00	0.2168	77M5G7D	0.1641	77M5W7D
90	3495.00 ~ 3504.99	0.2014	87M5G7D	0.1618	87M6W7D
100	3500.01	0.2173	97M5G7D	0.1614	97M5W7D

Note:

1. 5G NR Band n78 overlaps the entire frequency range of Band n77, and n78 power > n77 power, therefore the conducted test results of n78 provided in this report cover n77.
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. (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	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	TH01-SZ	CN1256	421272

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

1.8 Test Software

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

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.

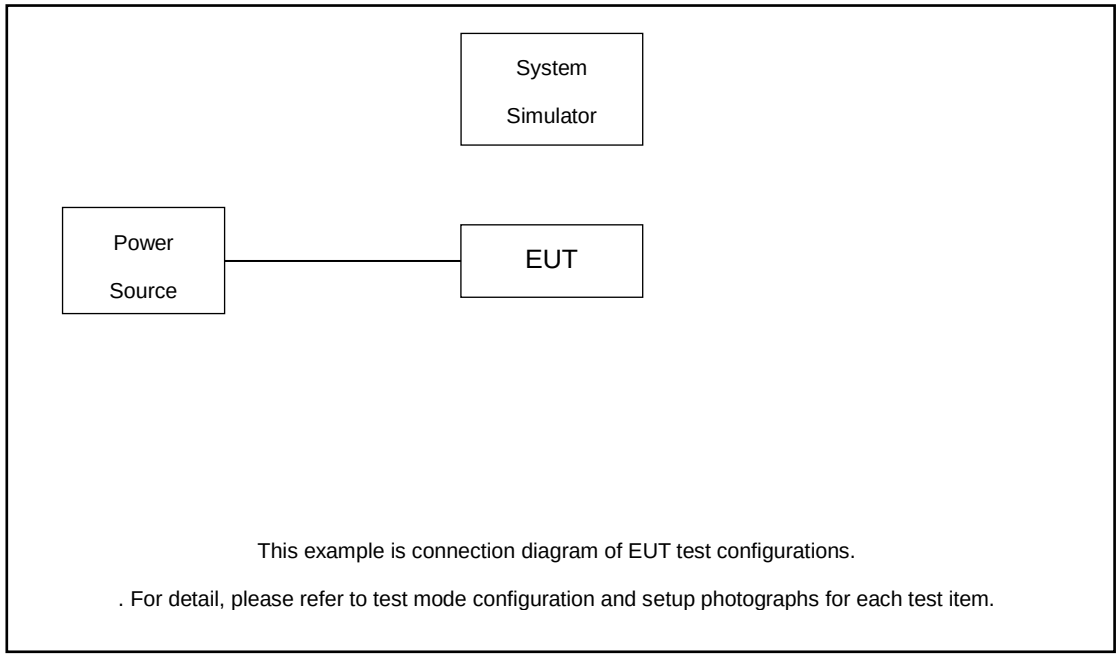
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission. (X Plane)

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 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 n78	10M, 15M, 20M, 25M, 30M, 40M, 50M, 60M, 70M, 80M, 90M ,100M	QPSK, 16QAM, 64QAM, 256QAM	Full RB	M
Conducted Band Edge	5G n78	10M, 50M, 100M	PI/2 BPSK, QPSK	1RB, Full RB	L, H
Conducted Spurious Emission	5G n78	10M, 50M, 100M	PI/2 BPSK, QPSK	1RB	L, M, H
Frequency Stability	5G n78	20M	QPSK	Full RB	M
Radiated Spurious Emission	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 =3.60V；High Voltage =4.30V.

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 and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

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

Offset = RF cable loss.

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

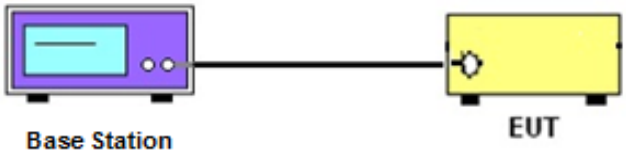
3 Conducted Test Items

3.1 Measuring Instruments

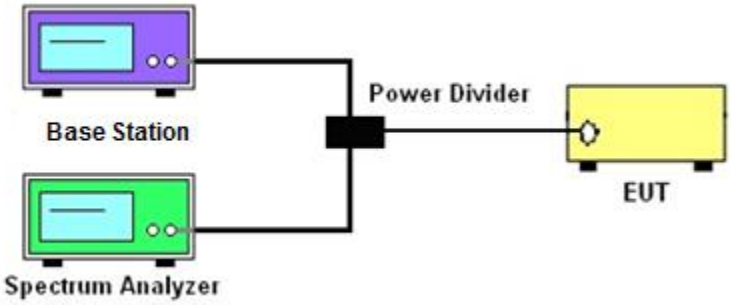
See list of measuring instruments of this test report.

3.2 Test Setup

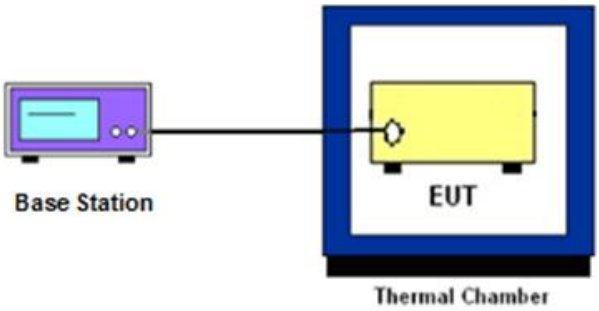
3.2.1 Conducted Output Power



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.

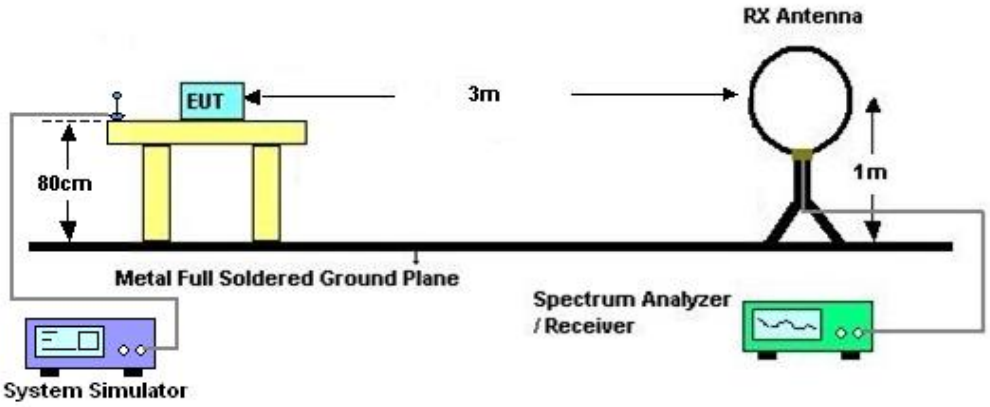
4 Radiated Test Items

4.1 Measuring Instruments

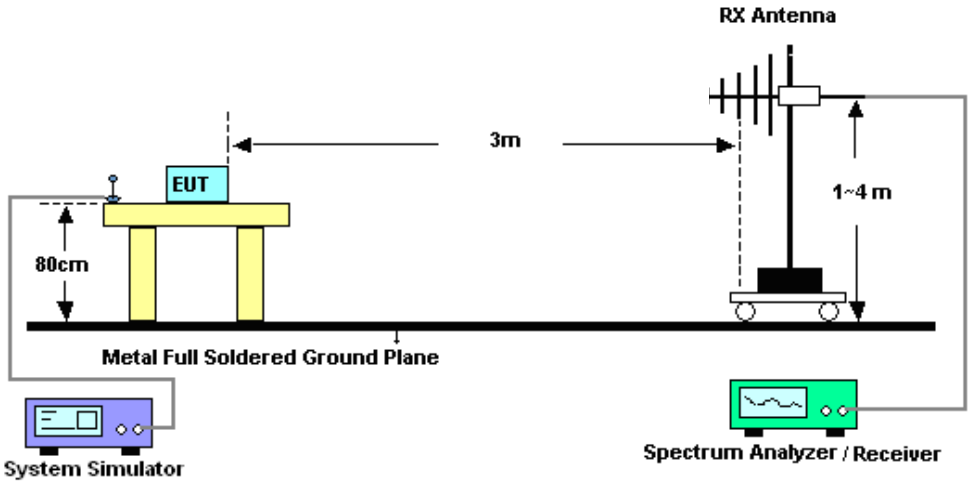
See list of measuring instruments of this test report.

4.2 Test Setup

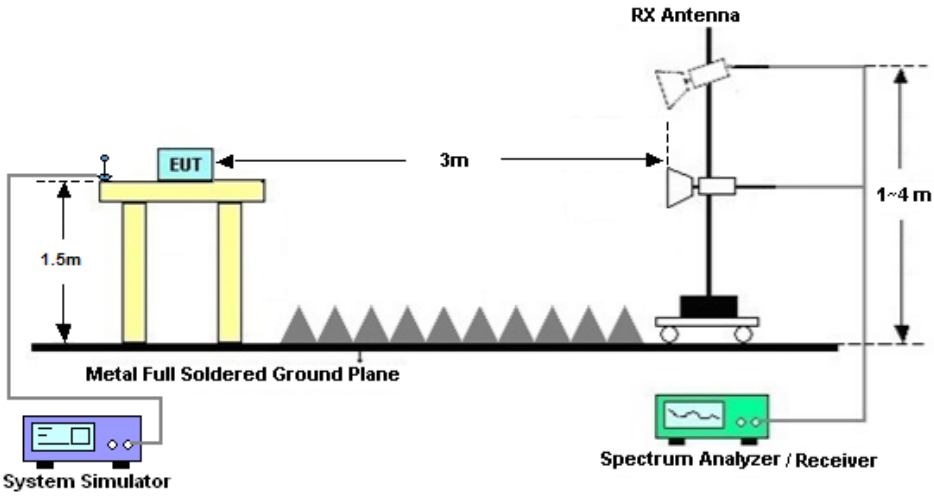
4.2.1 For radiated test below 30MHz



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	101078	10Hz~40GHz	Apr. 09, 2024	Oct. 12, 2024~ Oct. 16, 2024	Apr. 08, 2025	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V，3A	Oct. 16, 2023	Oct. 12, 2024~ Oct. 16, 2024	Oct. 15, 2024	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V，3A	Oct. 15, 2024		Oct. 14, 2025	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04265	60.06.020.0077	0.4GHz~26.5GHz	Dec. 25, 2023	Oct. 12, 2024~ Oct. 16, 2024	Dec. 24, 2024	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 03, 2024	Oct. 12, 2024~ Oct. 16, 2024	Jul. 02, 2025	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2024	Oct. 23, 2024	Jul. 02, 2025	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 29, 2023	Oct. 23, 2024	Dec. 28, 2024	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	Oct. 23, 2024	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2024	Oct. 23, 2024	Jul. 04, 2025	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2024	Oct. 23, 2024	Jul. 03, 2025	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 09, 2024	Oct. 23, 2024	Apr. 08, 2025	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 17, 2024	Oct. 23, 2024	Oct. 16, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 17, 2024	Oct. 23, 2024	Oct. 16, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 17, 2024	Oct. 23, 2024	Oct. 16, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Oct. 23, 2024	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Oct. 23, 2024	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	**Temperature :**	24~26℃
		Relative Humidity :	50~53%

Software Version: 23.06.1602

FR1 N77(Ant6)_SCS15kHz

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-2.7dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	24.71	22.01	0.1589
77	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	23.6	20.9	0.1230
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.76	22.06	0.1607
77	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.73	21.03	0.1268
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@1	24.75	22.05	0.1603
77	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@1	23.7	21	0.1259
77	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	24.8	22.1	0.1622
77	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	23.7	21	0.1259
77	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.8	22.1	0.1622
77	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.75	21.05	0.1274
77	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	24.83	22.13	0.1633
77	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	23.81	21.11	0.1291
77	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@1	24.72	22.02	0.1592
77	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@1	23.63	20.93	0.1239
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.71	22.01	0.1589
77	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.66	20.96	0.1247
77	15	20	636000	3540	DFT-s-OFDM QPSK	1@1	24.89	22.19	0.1656
77	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	23.84	21.14	0.1300
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	24.68	21.98	0.1578
77	15	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	23.7	21	0.1259
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.74	22.04	0.1600
77	15	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.66	20.96	0.1247
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@1	24.78	22.08	0.1614
77	15	25	635833	3537.495	DFT-s-OFDM 16 QAM	1@1	23.72	21.02	0.1265
77	15	30	631000	3465	DFT-s-OFDM QPSK	1@1	24.76	22.06	0.1607
77	15	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	23.68	20.98	0.1253
77	15	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.68	21.98	0.1578
77	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.64	20.94	0.1242

77	15	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	24.87	22.17	0.1648
77	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	23.81	21.11	0.1291
77	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	24.73	22.03	0.1596
77	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	23.64	20.94	0.1242
77	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.62	21.92	0.1556
77	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.6	20.9	0.1230
77	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@1	24.9	22.2	0.1660
77	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@1	23.86	21.16	0.1306
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	135@67	24.56	21.86	0.1535
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@1	24.51	21.81	0.1517
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@268	24.56	21.86	0.1535
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	135@67	24.61	21.91	0.1552
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@1	24.77	22.07	0.1611
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@268	24.7	22	0.1585
77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	135@67	23.52	20.82	0.1208
77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@1	23.68	20.98	0.1253
77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@268	23.64	20.94	0.1242
77	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	135@67	22.05	19.35	0.0861
77	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@1	21.9	19.2	0.0832
77	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@268	21.85	19.15	0.0822
77	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	135@67	20.09	17.39	0.0548
77	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@1	20.03	17.33	0.0541
77	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@268	20.09	17.39	0.0548
77	15	50	631667	3475.005	CP-OFDM QPSK	135@67	23.03	20.33	0.1079
77	15	50	631667	3475.005	CP-OFDM QPSK	1@1	23.07	20.37	0.1089
77	15	50	631667	3475.005	CP-OFDM QPSK	1@268	23.19	20.49	0.1119
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	24.73	22.03	0.1596
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.41	21.71	0.1483
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@268	24.5	21.8	0.1514
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	135@67	24.74	22.04	0.1600
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.65	21.95	0.1567
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@268	24.77	22.07	0.1611
77	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	23.71	21.01	0.1262
77	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.56	20.86	0.1219

77	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@268	23.61	20.91	0.1233
77	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	22.22	19.52	0.0895
77	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.81	19.11	0.0815
77	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@268	21.77	19.07	0.0807
77	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	20.25	17.55	0.0569
77	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.96	17.26	0.0532
77	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@268	20	17.3	0.0537
77	15	50	633334	3500.01	CP-OFDM QPSK	135@67	23.2	20.5	0.1122
77	15	50	633334	3500.01	CP-OFDM QPSK	1@1	22.96	20.26	0.1062
77	15	50	633334	3500.01	CP-OFDM QPSK	1@268	23.1	20.4	0.1096
77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	135@67	24.73	22.03	0.1596
77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	24.66	21.96	0.1570
77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@268	24.39	21.69	0.1476
77	15	50	635000	3525	DFT-s-OFDM QPSK	135@67	24.73	22.03	0.1596
77	15	50	635000	3525	DFT-s-OFDM QPSK	1@1	24.91	22.21	0.1663
77	15	50	635000	3525	DFT-s-OFDM QPSK	1@268	24.56	21.86	0.1535
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	135@67	23.71	21.01	0.1262
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	23.77	21.07	0.1279
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@268	23.57	20.87	0.1222
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	135@67	22.21	19.51	0.0893
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	21.98	19.28	0.0847
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@268	21.68	18.98	0.0791
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	135@67	20.26	17.56	0.0570
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	20.17	17.47	0.0558
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@268	19.9	17.2	0.0525
77	15	50	635000	3525	CP-OFDM QPSK	135@67	23.19	20.49	0.1119
77	15	50	635000	3525	CP-OFDM QPSK	1@1	23.15	20.45	0.1109
77	15	50	635000	3525	CP-OFDM QPSK	1@268	22.91	20.21	0.1050

Software Version: 23.06.1602

FR1 N77(Ant6)_SCS30kHz

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-2.7dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	24.55	21.85	0.1531
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	23.68	20.98	0.1253
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.71	22.01	0.1589
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.84	21.14	0.1300
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	24.65	21.95	0.1567
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	23.78	21.08	0.1282
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	24.53	21.83	0.1524
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	23.61	20.91	0.1233
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.7	22	0.1585
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.71	21.01	0.1262
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	24.73	22.03	0.1596
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	23.7	21	0.1259
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	24.77	22.07	0.1611
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	23.66	20.96	0.1247
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.8	22.1	0.1622
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.73	21.03	0.1268
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	24.77	22.07	0.1611
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	23.79	21.09	0.1285
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	24.64	21.94	0.1563
77	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	23.65	20.95	0.1245
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.7	22	0.1585
77	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.7	21	0.1259
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	24.76	22.06	0.1607
77	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	23.82	21.12	0.1294
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	24.69	21.99	0.1581
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	23.76	21.06	0.1276
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.67	21.97	0.1574
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.72	21.02	0.1265

77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	24.86	22.16	0.1644
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	23.9	21.2	0.1318
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	24.85	22.15	0.1641
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	23.65	20.95	0.1245
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.63	21.93	0.1560
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.65	20.95	0.1245
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	24.8	22.1	0.1622
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	23.91	21.21	0.1321
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	24.67	21.97	0.1574
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	23.67	20.97	0.1250
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.72	22.02	0.1592
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.61	20.91	0.1233
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	24.8	22.1	0.1622
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	23.88	21.18	0.1312
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	24.63	21.93	0.1560
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	23.72	21.02	0.1265
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.62	21.92	0.1556
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.66	20.96	0.1247
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	24.78	22.08	0.1614
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	23.81	21.11	0.1291
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	24.78	22.08	0.1614
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	23.77	21.07	0.1279
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.6	21.9	0.1549
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.68	20.98	0.1253
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	24.63	21.93	0.1560
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	23.62	20.92	0.1236
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	24.73	22.03	0.1596
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	23.7	21	0.1259
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.71	22.01	0.1589
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.66	20.96	0.1247
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	24.72	22.02	0.1592
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	23.66	20.96	0.1247
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	24.87	22.17	0.1648
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	23.71	21.01	0.1262

77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.68	21.98	0.1578
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.69	20.99	0.1256
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	24.67	21.97	0.1574
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	23.68	20.98	0.1253
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	24.73	22.03	0.1596
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.88	22.18	0.1652
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	24.49	21.79	0.1510
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	24.76	22.06	0.1607
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.72	22.02	0.1592
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	24.44	21.74	0.1493
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	23.76	21.06	0.1276
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.71	21.01	0.1262
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	23.51	20.81	0.1205
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	22.29	19.59	0.0910
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.18	19.48	0.0887
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	22.04	19.34	0.0859
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	20.33	17.63	0.0579
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.07	17.37	0.0546
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	19.78	17.08	0.0511
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	23.18	20.48	0.1117
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	23.16	20.46	0.1112
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	22.87	20.17	0.1040

Software Version: 23.06.1602

FR1 N78(Ant6)_SCS15kHz

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-2.7dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	25.88	23.18	0.2080
78	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	24.64	21.94	0.1563
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.98	23.28	0.2128
78	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.74	22.04	0.1600
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@1	25.97	23.27	0.2123
78	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@1	24.76	22.06	0.1607
78	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	25.9	23.2	0.2089
78	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	24.66	21.96	0.1570
78	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.94	23.24	0.2109
78	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.67	21.97	0.1574
78	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	25.99	23.29	0.2133
78	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	24.73	22.03	0.1596
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@1	25.93	23.23	0.2104
78	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@1	24.68	21.98	0.1578
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.79	23.09	0.2037
78	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.71	22.01	0.1589
78	15	20	636000	3540	DFT-s-OFDM QPSK	1@1	26.09	23.39	0.2183
78	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	24.82	22.12	0.1629
78	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	25.72	23.02	0.2004
78	15	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	24.61	21.91	0.1552
78	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.71	23.01	0.2000
78	15	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.61	21.91	0.1552
78	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@1	26.04	23.34	0.2158
78	15	25	635833	3537.495	DFT-s-OFDM 16 QAM	1@1	24.86	22.16	0.1644
78	15	30	631000	3465	DFT-s-OFDM QPSK	1@1	25.97	23.27	0.2123
78	15	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	24.65	21.95	0.1567
78	15	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.91	23.21	0.2094
78	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.63	21.93	0.1560
78	15	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	26.14	23.44	0.2208
78	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.93	22.23	0.1671
78	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.93	23.23	0.2104
78	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.69	21.99	0.1581
78	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.87	23.17	0.2075
78	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.66	21.96	0.1570
78	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@1	26.14	23.44	0.2208

78	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@1	24.91	22.21	0.1663
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	135@67	25.52	22.82	0.1914
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@1	25.5	22.8	0.1905
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@268	25.5	22.8	0.1905
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	135@67	25.55	22.85	0.1928
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@1	25.87	23.17	0.2075
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@268	25.73	23.03	0.2009
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	135@67	24.5	21.8	0.1514
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@1	24.6	21.9	0.1549
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@268	24.68	21.98	0.1578
78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	135@67	22.98	20.28	0.1067
78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@1	22.76	20.06	0.1014
78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@268	22.8	20.1	0.1023
78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	135@67	21.01	18.31	0.0678
78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@1	20.99	18.29	0.0675
78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@268	20.98	18.28	0.0673
78	15	50	631667	3475.005	CP-OFDM QPSK	135@67	23.99	21.29	0.1346
78	15	50	631667	3475.005	CP-OFDM QPSK	1@1	24.08	21.38	0.1374
78	15	50	631667	3475.005	CP-OFDM QPSK	1@268	24.03	21.33	0.1358
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.7	23	0.1995
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.48	22.78	0.1897
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@268	25.56	22.86	0.1932
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.73	23.03	0.2009
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.86	23.16	0.2070
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@268	25.76	23.06	0.2023
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.67	21.97	0.1574
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.56	21.86	0.1535
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@268	24.7	22	0.1585
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.17	20.47	0.1114
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.72	20.02	0.1005
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@268	22.88	20.18	0.1042
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.18	18.48	0.0705
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.96	18.26	0.0670
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@268	21.01	18.31	0.0678
78	15	50	633334	3500.01	CP-OFDM QPSK	135@67	24.14	21.44	0.1393
78	15	50	633334	3500.01	CP-OFDM QPSK	1@1	23.95	21.25	0.1334
78	15	50	633334	3500.01	CP-OFDM QPSK	1@268	24.05	21.35	0.1365
78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	135@67	25.74	23.04	0.2014
78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	25.66	22.96	0.1977
78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@268	25.45	22.75	0.1884
78	15	50	635000	3525	DFT-s-OFDM QPSK	135@67	25.76	23.06	0.2023
78	15	50	635000	3525	DFT-s-OFDM QPSK	1@1	26.15	23.45	0.2213
78	15	50	635000	3525	DFT-s-OFDM QPSK	1@268	25.85	23.15	0.2065

78	15	50	635000	3525	DFT-s-OFDM 16 QAM	135@67	24.69	21.99	0.1581
78	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.82	22.12	0.1629
78	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@268	24.57	21.87	0.1538
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	135@67	23.21	20.51	0.1125
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	22.9	20.2	0.1047
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@268	22.78	20.08	0.1019
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	135@67	21.21	18.51	0.0710
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	21.15	18.45	0.0700
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@268	20.94	18.24	0.0667
78	15	50	635000	3525	CP-OFDM QPSK	135@67	24.17	21.47	0.1403
78	15	50	635000	3525	CP-OFDM QPSK	1@1	24.15	21.45	0.1396
78	15	50	635000	3525	CP-OFDM QPSK	1@268	23.97	21.27	0.1340

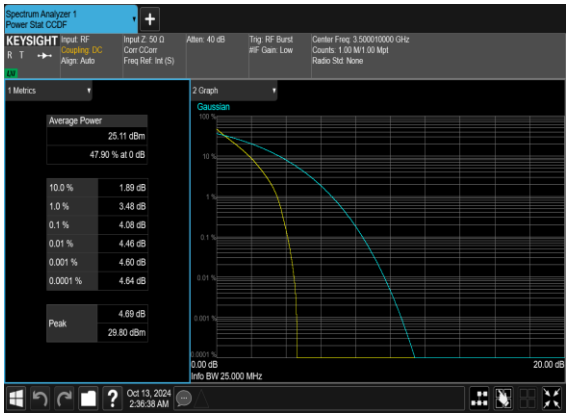
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0020	**PASS**	NV
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0057	**PASS**	LV
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0022	**PASS**	HV
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0044	**PASS**	-30℃
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0069	**PASS**	-20℃
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0062	**PASS**	-10℃
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0025	**PASS**	0℃
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0057	**PASS**	10℃
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0020	**PASS**	20℃
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0021	**PASS**	30℃
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0063	**PASS**	40℃
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0050	**PASS**	50℃

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	4.08	13	**PASS**
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	5.17	13	**PASS**

N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



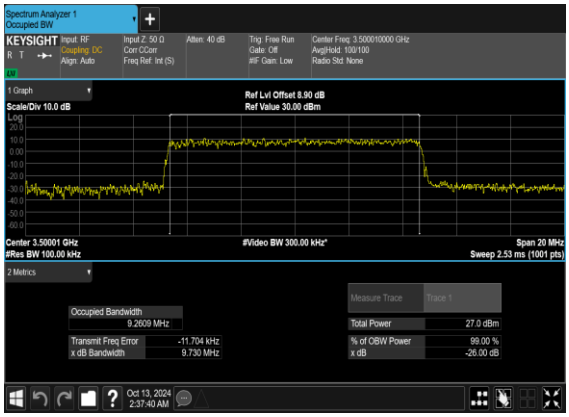
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

Occupied Bandwidth

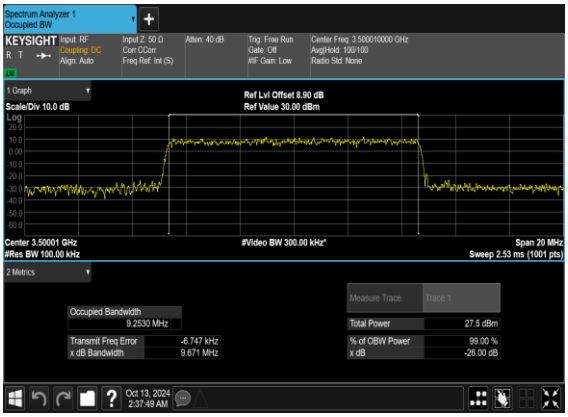
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
78	15	10	633334	3500.01	CP-OFDM QPSK	52@0	9.2609	9.73
78	15	10	633334	3500.01	CP-OFDM 16 QAM	52@0	9.253	9.671
78	15	10	633334	3500.01	CP-OFDM 64 QAM	52@0	9.2206	9.638
78	15	10	633334	3500.01	CP-OFDM 256 QAM	52@0	9.274	9.683
78	15	15	633334	3500.01	CP-OFDM QPSK	79@0	14.069	14.61
78	15	15	633334	3500.01	CP-OFDM 16 QAM	79@0	14.098	14.63
78	15	15	633334	3500.01	CP-OFDM 64 QAM	79@0	14.113	14.66
78	15	15	633334	3500.01	CP-OFDM 256 QAM	79@0	14.051	14.59
78	15	20	633334	3500.01	CP-OFDM QPSK	106@0	18.875	19.54
78	15	20	633334	3500.01	CP-OFDM 16 QAM	106@0	18.921	19.64
78	15	20	633334	3500.01	CP-OFDM 64 QAM	106@0	18.925	19.57
78	15	20	633334	3500.01	CP-OFDM 256 QAM	106@0	18.863	19.59
78	15	25	633334	3500.01	CP-OFDM QPSK	133@0	23.692	24.55
78	15	25	633334	3500.01	CP-OFDM 16 QAM	133@0	23.767	24.61
78	15	25	633334	3500.01	CP-OFDM 64 QAM	133@0	23.752	24.65
78	15	25	633334	3500.01	CP-OFDM 256 QAM	133@0	23.727	24.59
78	15	30	633334	3500.01	CP-OFDM QPSK	160@0	28.449	29.58
78	15	30	633334	3500.01	CP-OFDM 16 QAM	160@0	28.6	29.47
78	15	30	633334	3500.01	CP-OFDM 64 QAM	160@0	28.551	29.54
78	15	30	633334	3500.01	CP-OFDM 256 QAM	160@0	28.541	29.47
78	15	40	633334	3500.01	CP-OFDM QPSK	216@0	38.494	39.81
78	15	40	633334	3500.01	CP-OFDM 16 QAM	216@0	38.595	40.01
78	15	40	633334	3500.01	CP-OFDM 64 QAM	216@0	38.447	39.87

78	15	40	633334	3500.01	CP-OFDM 256 QAM	216@0	38.58	39.82
78	15	50	633334	3500.01	CP-OFDM QPSK	270@0	48.136	49.72
78	15	50	633334	3500.01	CP-OFDM 16 QAM	270@0	48.186	49.71
78	15	50	633334	3500.01	CP-OFDM 64 QAM	270@0	48.212	49.74
78	15	50	633334	3500.01	CP-OFDM 256 QAM	270@0	48.169	49.75

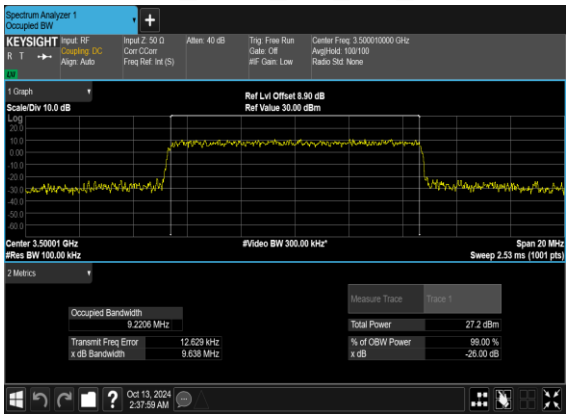
N78(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



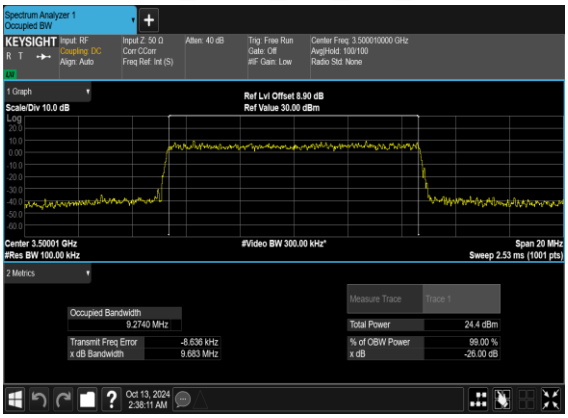
N78(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



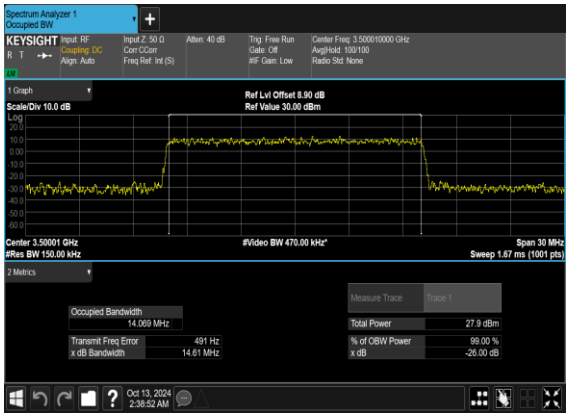
N78(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



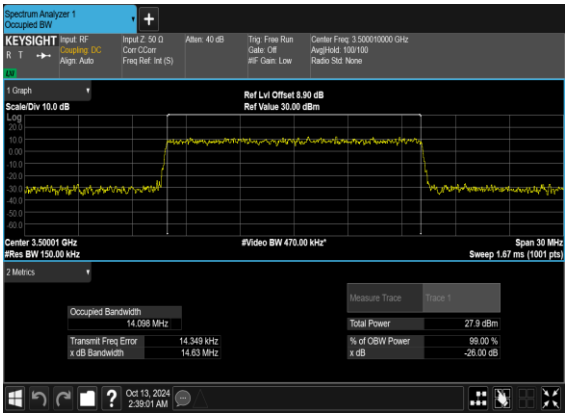
N78(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



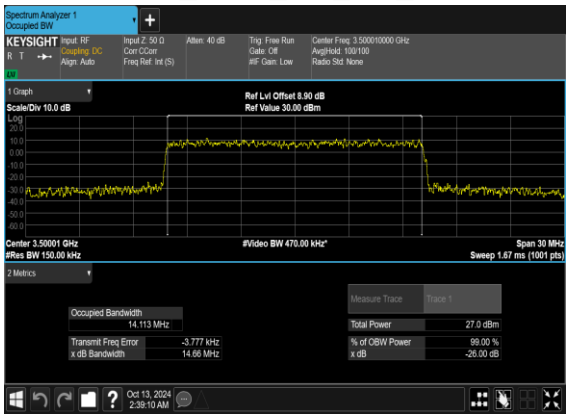
N78(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



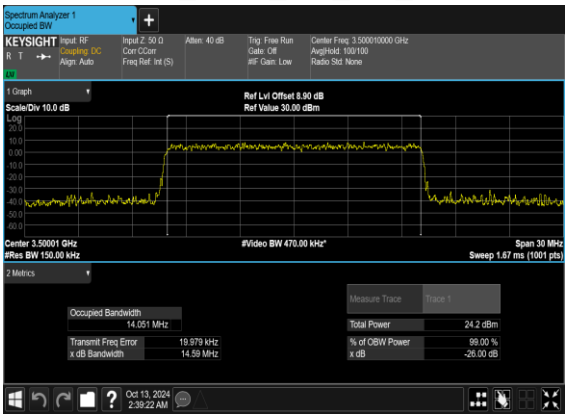
N78(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



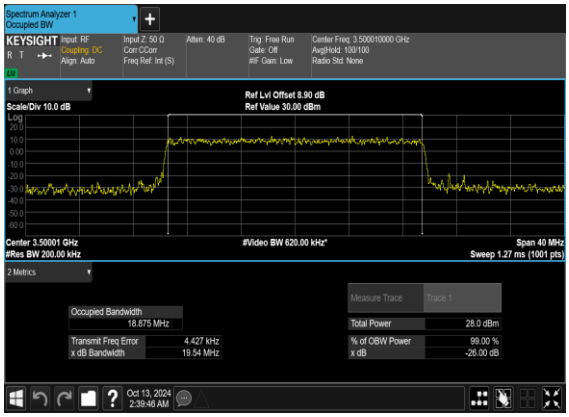
N78(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



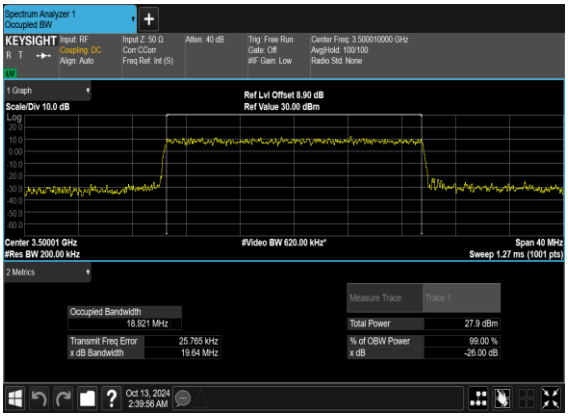
N78(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



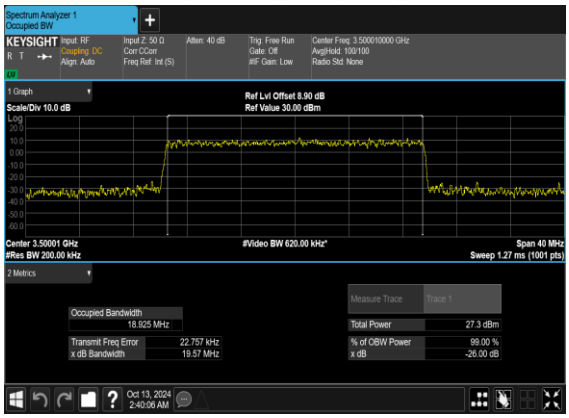
N78(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



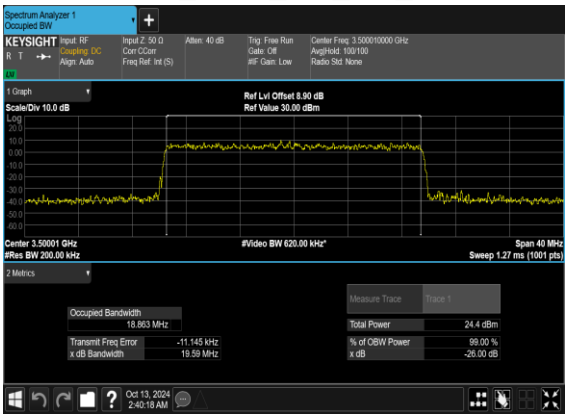
N78(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N78(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

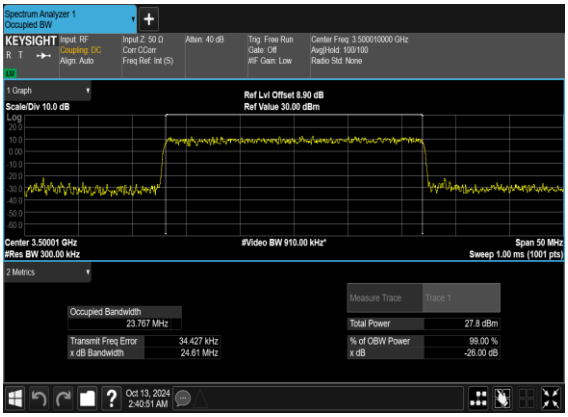


N78(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

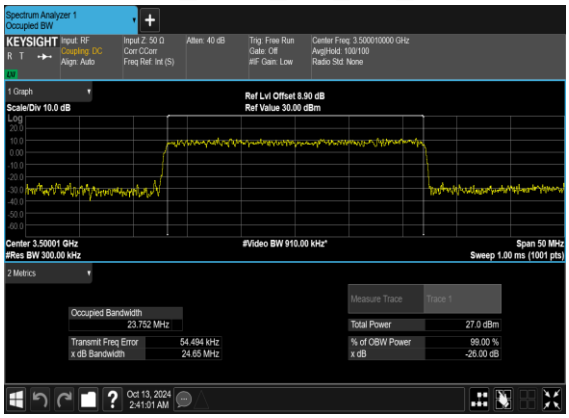


N78(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

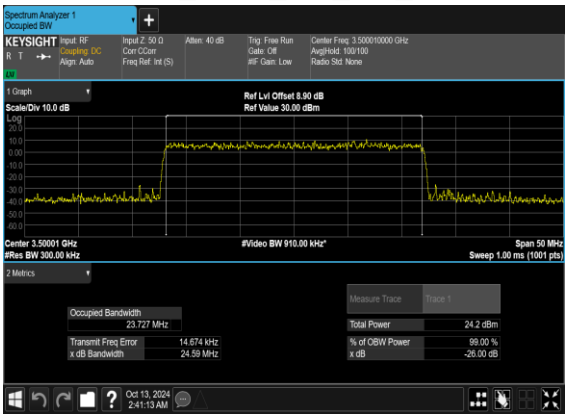
N78(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



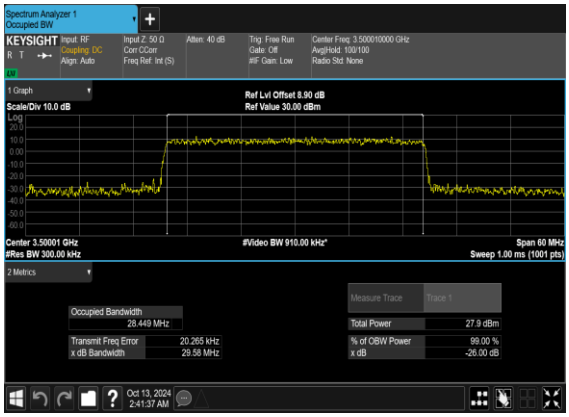
N78(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



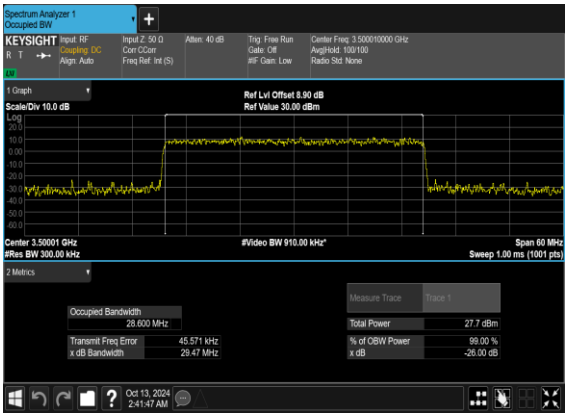
N78(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



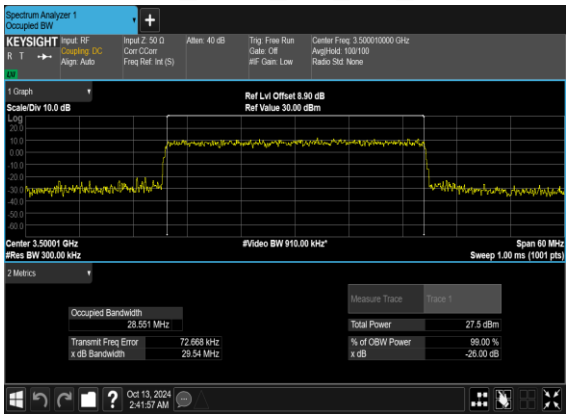
N78(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



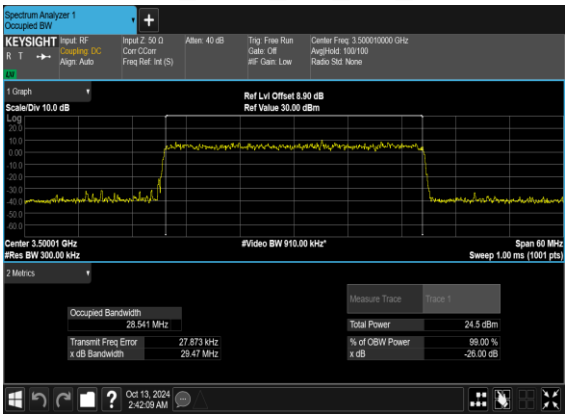
N78(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N78(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

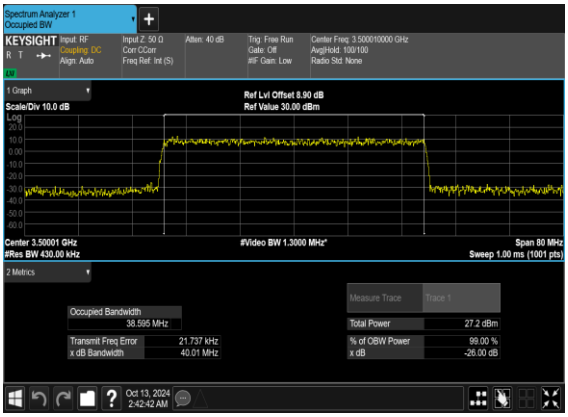


N78(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

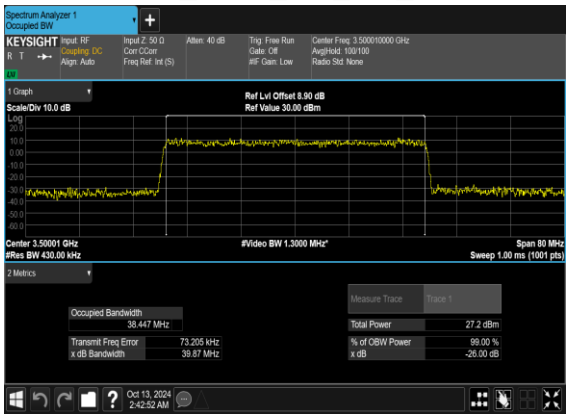


N78(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

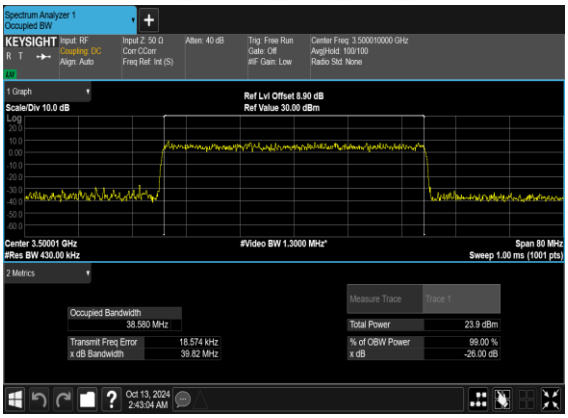
N78(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



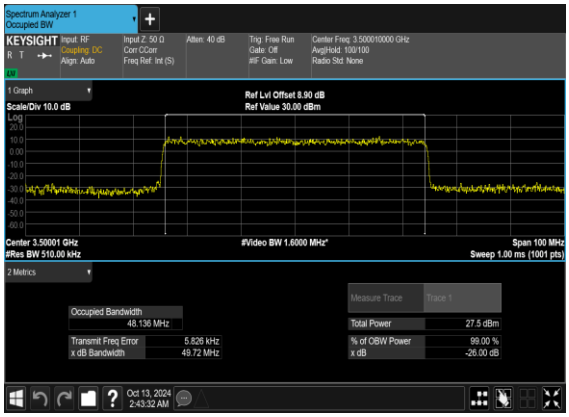
N78(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



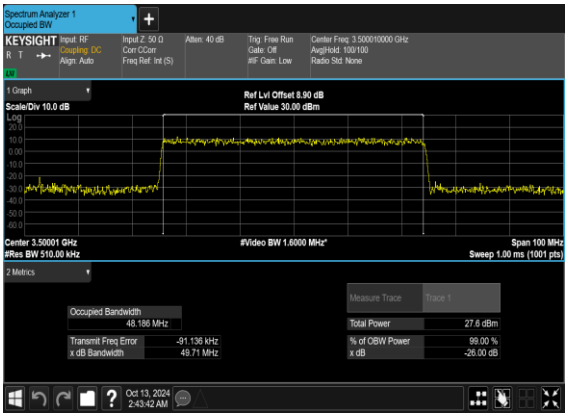
N78(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



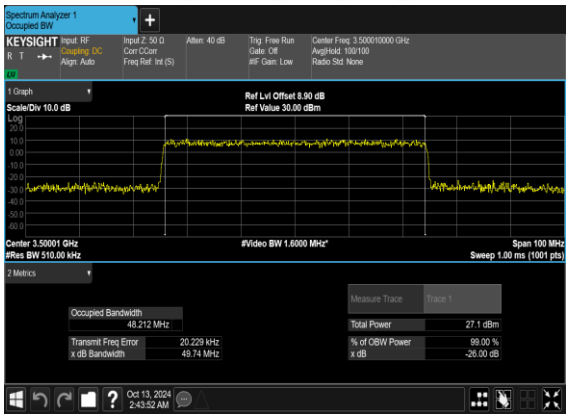
N78(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



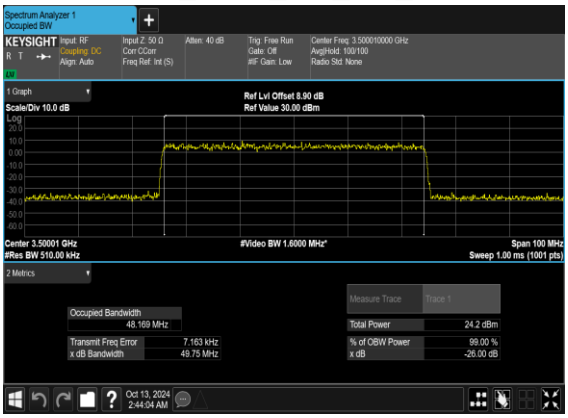
N78(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N78(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N78(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



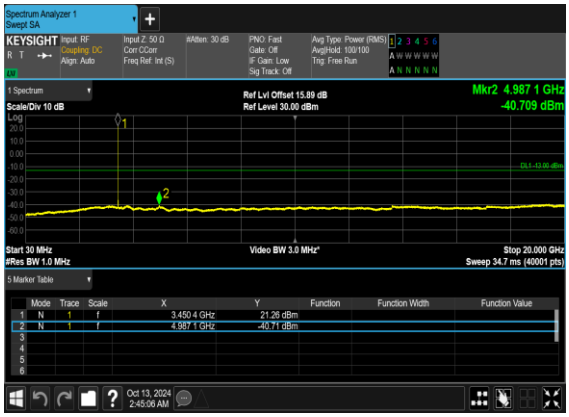
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	15	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	20	630667	3460.005	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	15	20	630667	3460.005	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	20	630667	3460.005	DFT-s-OFDM BPSK	1@0	see graph	**PASS**

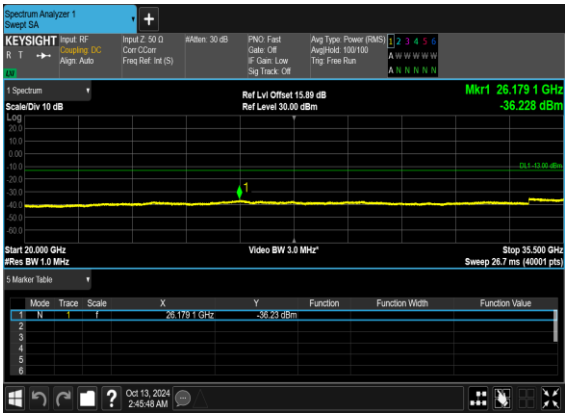
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	20	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	20	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	20	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	20	636000	3540.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	20	636000	3540.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	20	636000	3540.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**

78	15	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

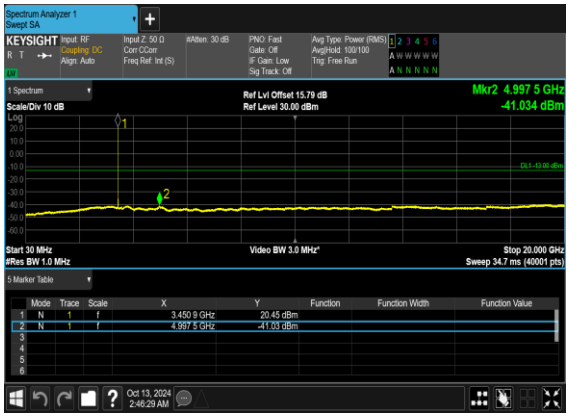
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



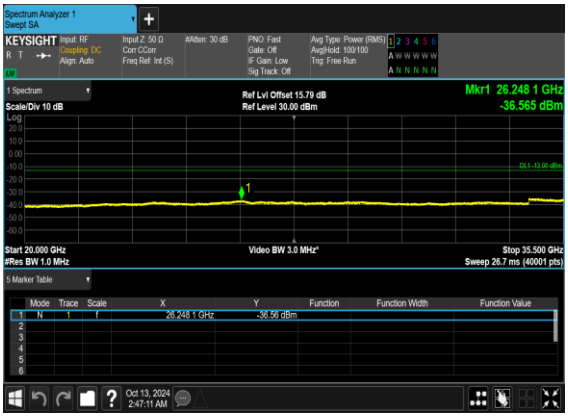
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



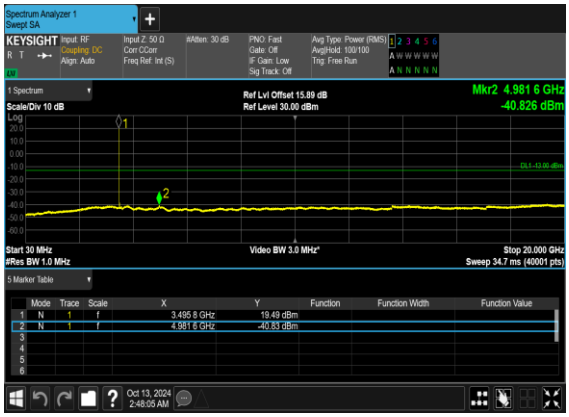
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



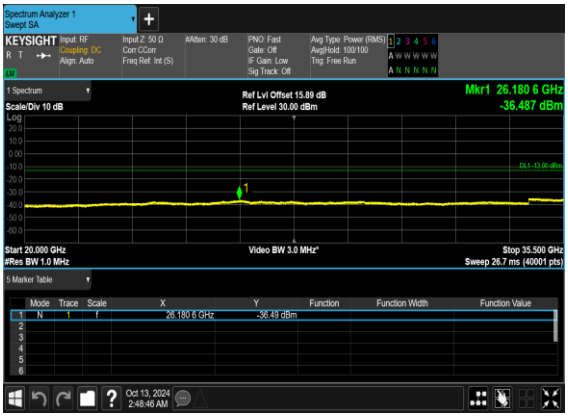
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



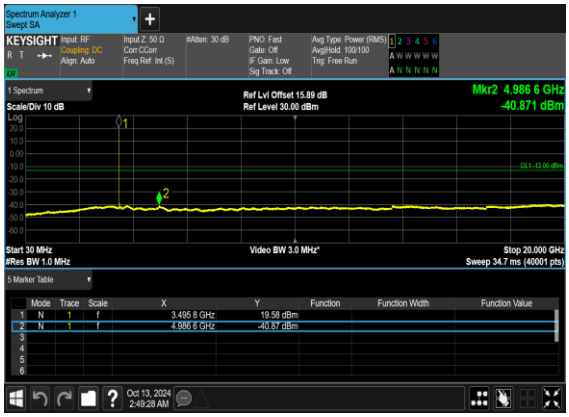
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



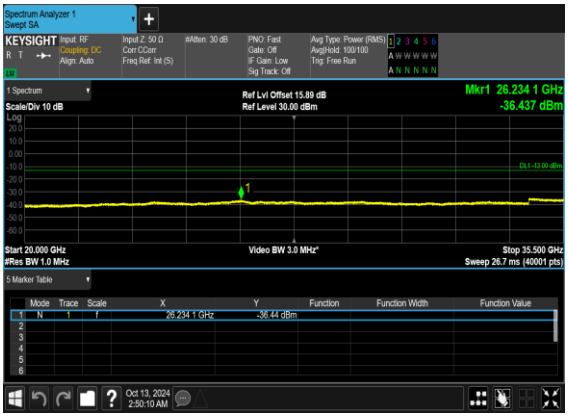
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



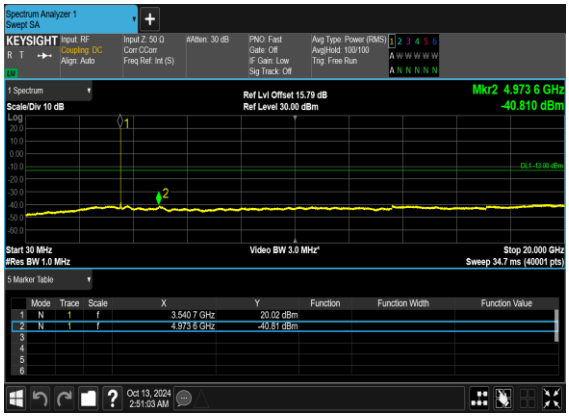
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



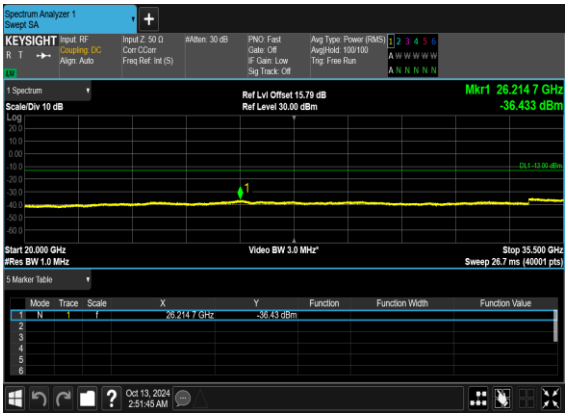
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



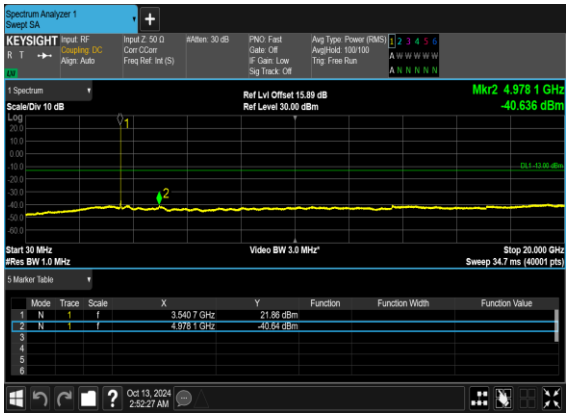
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



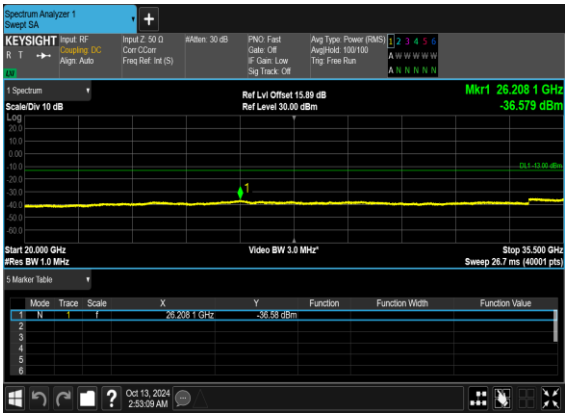
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



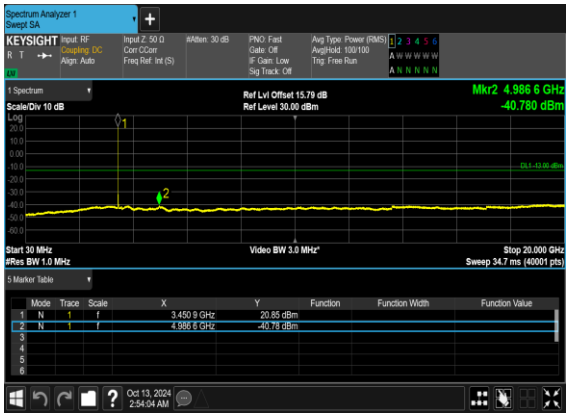
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



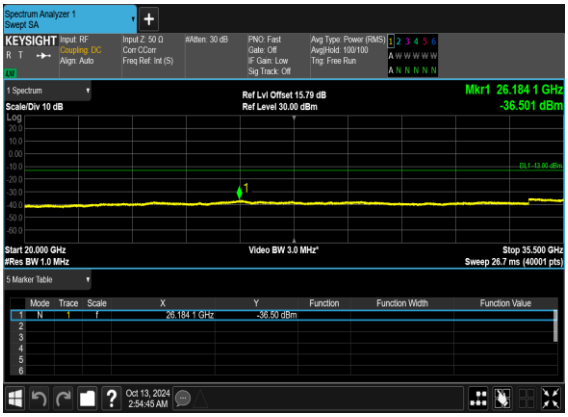
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



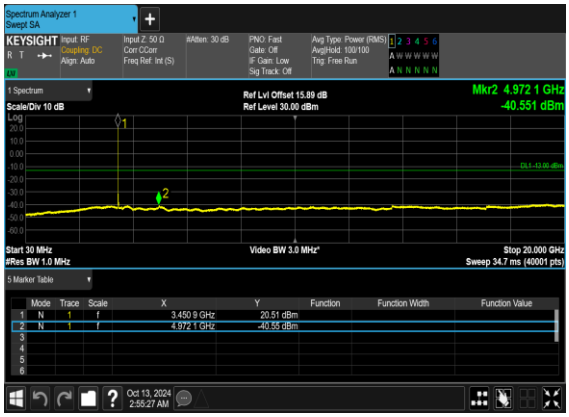
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



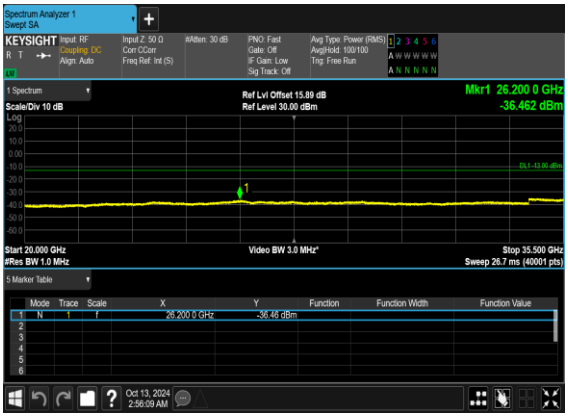
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



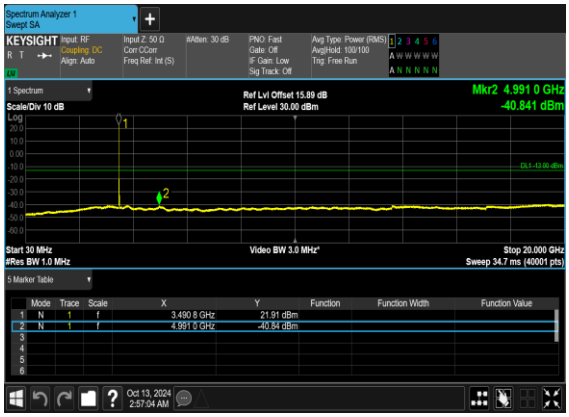
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



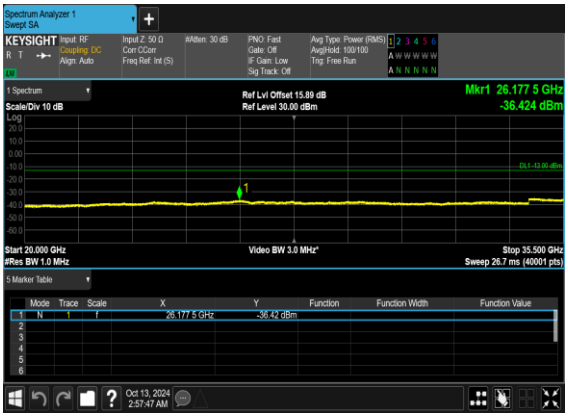
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



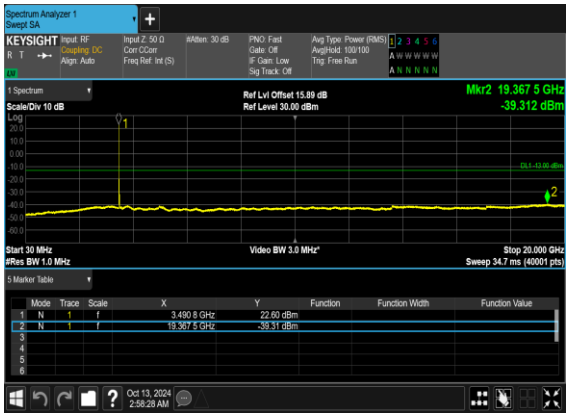
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



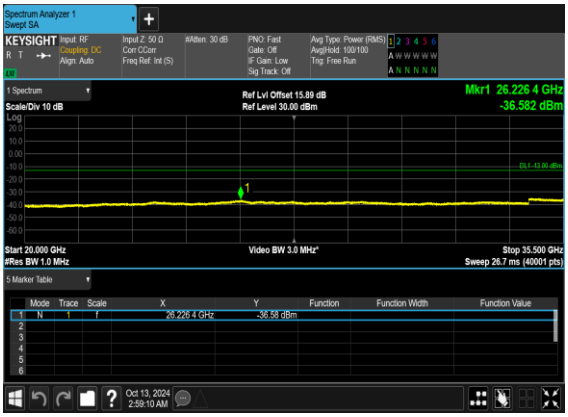
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



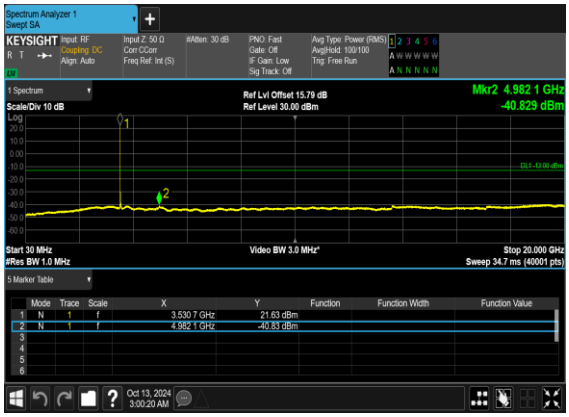
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



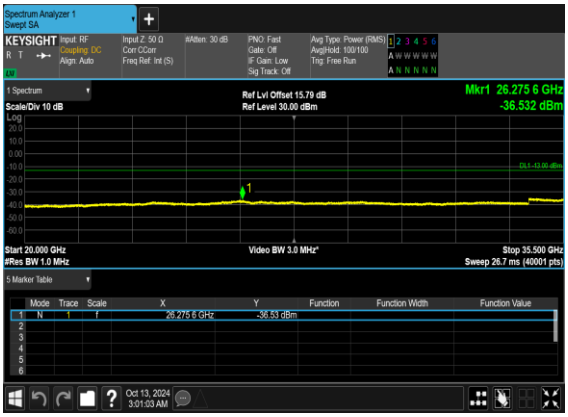
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



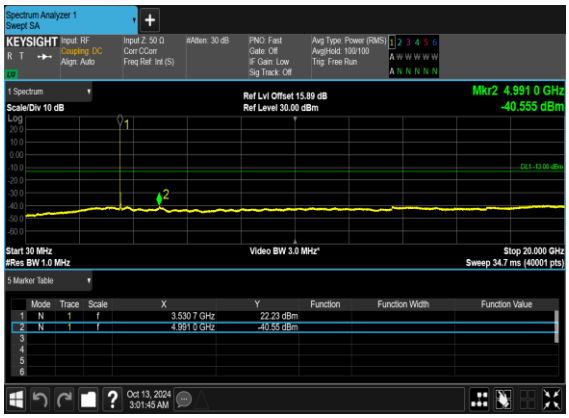
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



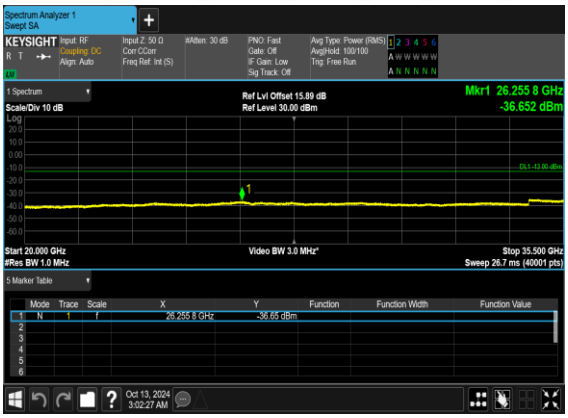
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



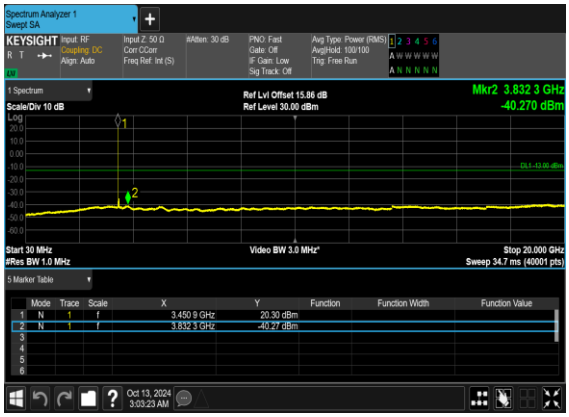
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



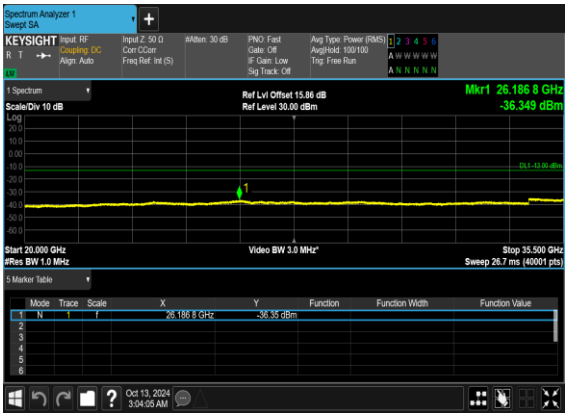
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



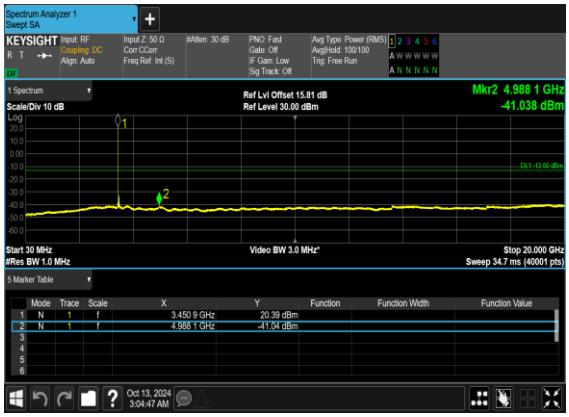
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



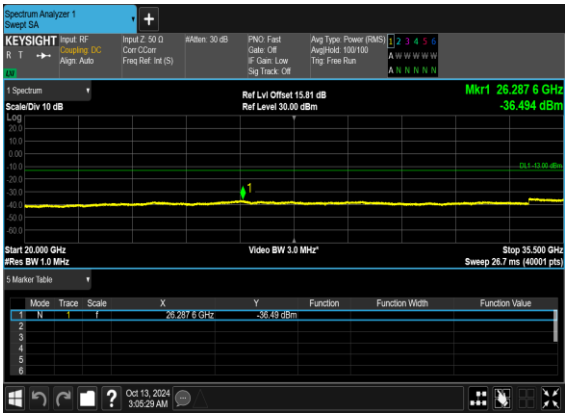
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



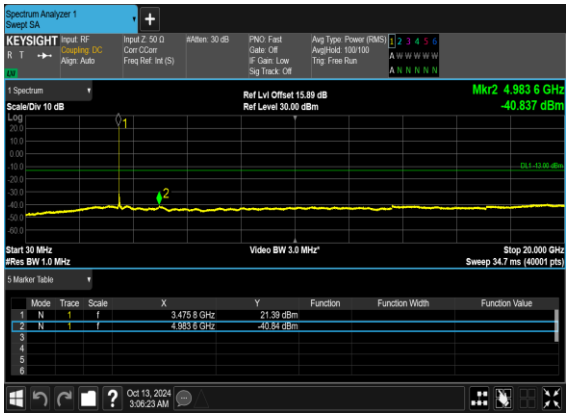
N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



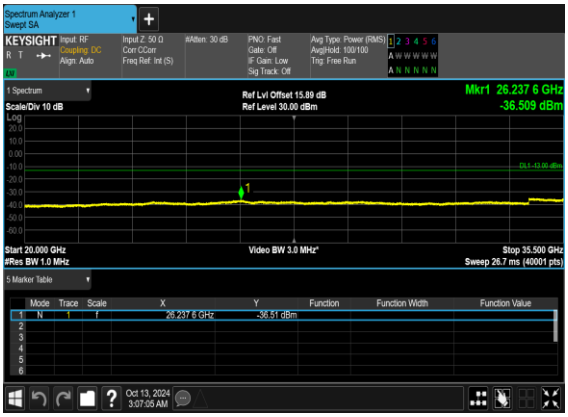
N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



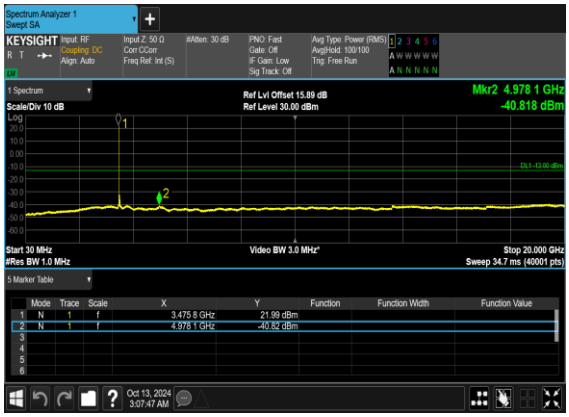
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



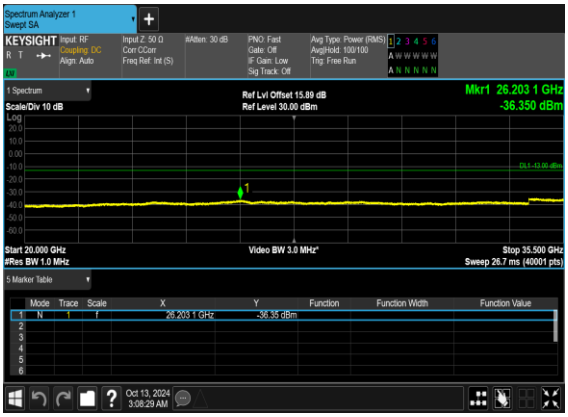
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



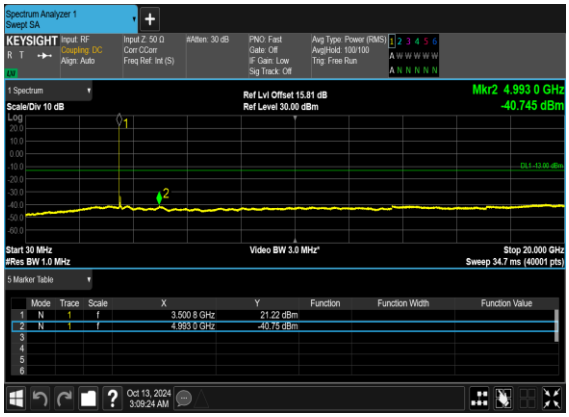
N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



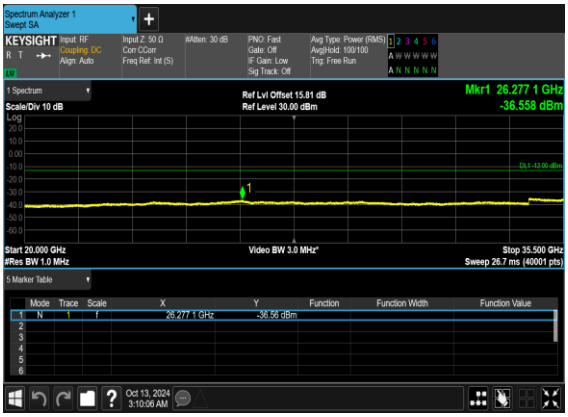
N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



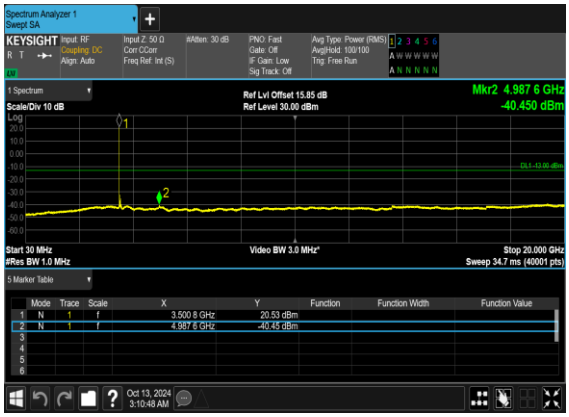
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



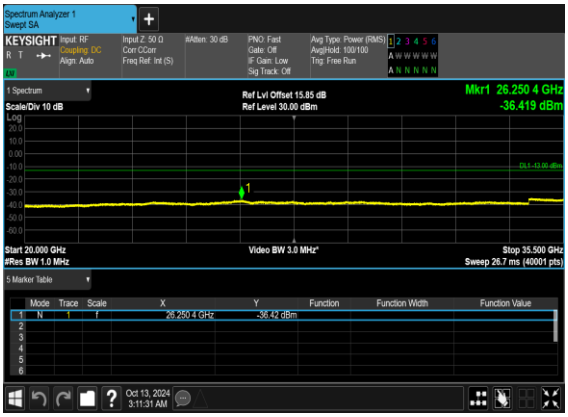
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



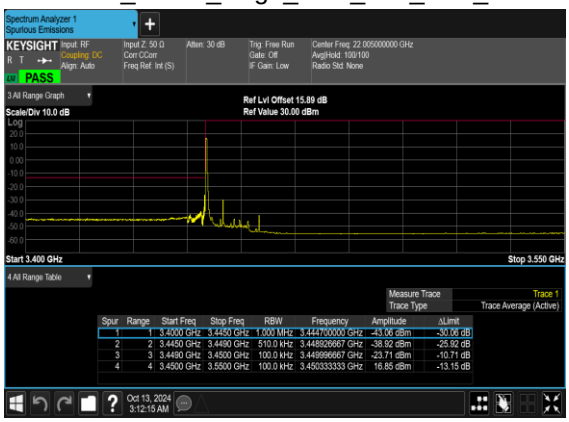
N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



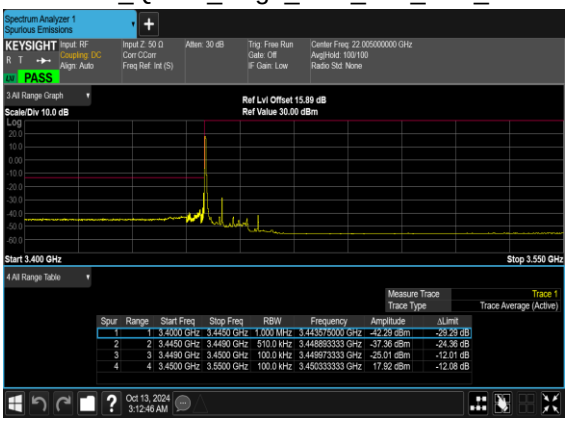
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	10	630334	3455.01	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
78	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@51	see graph	**PASS**
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@51	see graph	**PASS**
78	15	10	636333	3544.995	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
78	15	20	630667	3460.005	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	20	630667	3460.005	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
78	15	20	636000	3540.0	DFT-s-OFDM BPSK	1@105	see graph	**PASS**
78	15	20	636000	3540.0	DFT-s-OFDM QPSK	1@105	see graph	**PASS**
78	15	20	636000	3540.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
78	15	20	636000	3540.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
78	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	631667	3475.005	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	270@0	see graph	**PASS**
78	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@269	see graph	**PASS**
78	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@269	see graph	**PASS**
78	15	50	635000	3525.0	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
78	15	50	635000	3525.0	DFT-s-OFDM QPSK	270@0	see graph	**PASS**

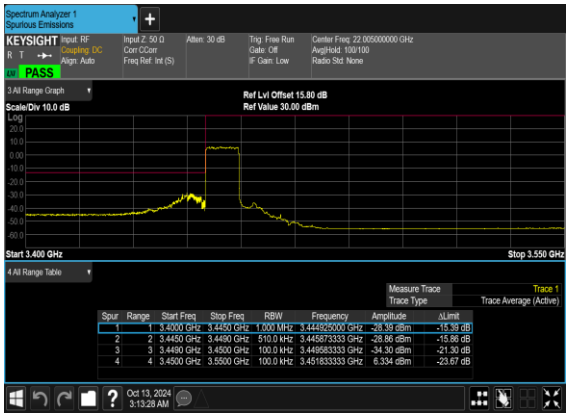
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

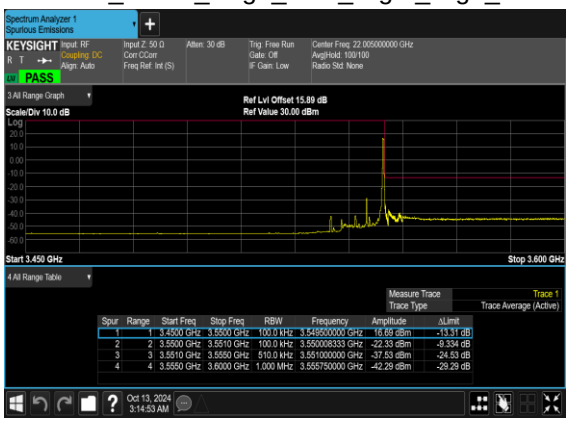


N78(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

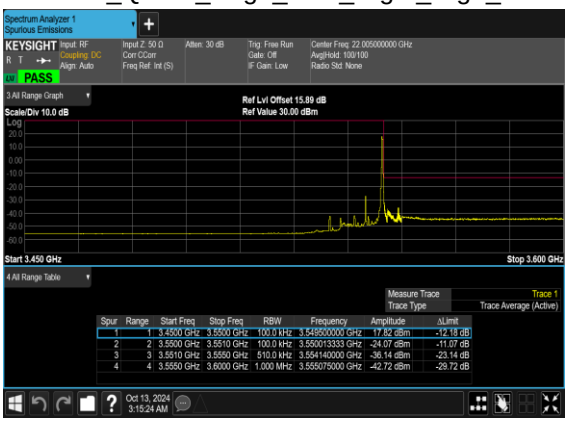


N78(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

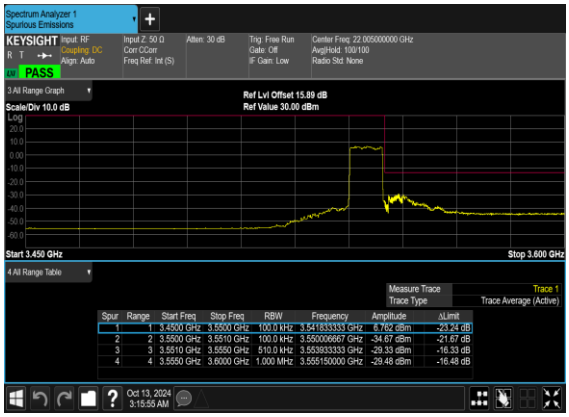
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



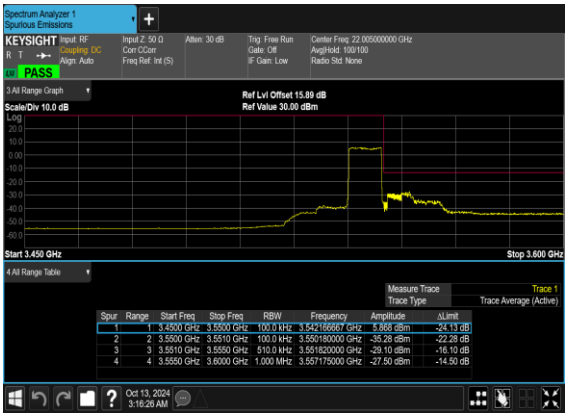
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



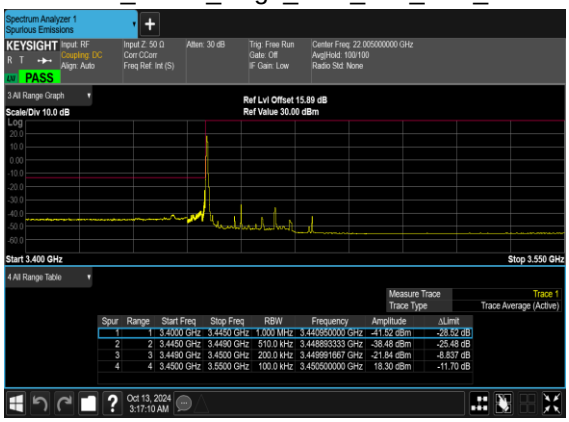
N78(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



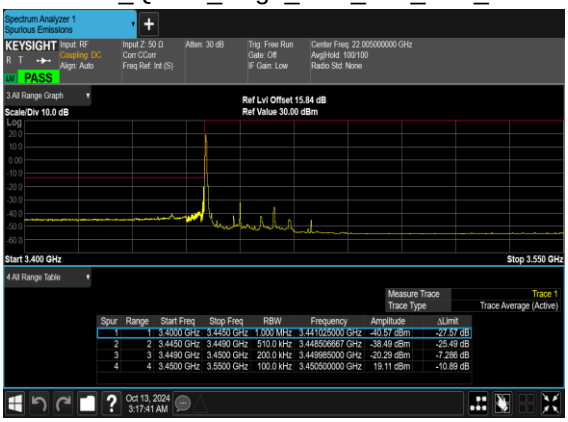
N78(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

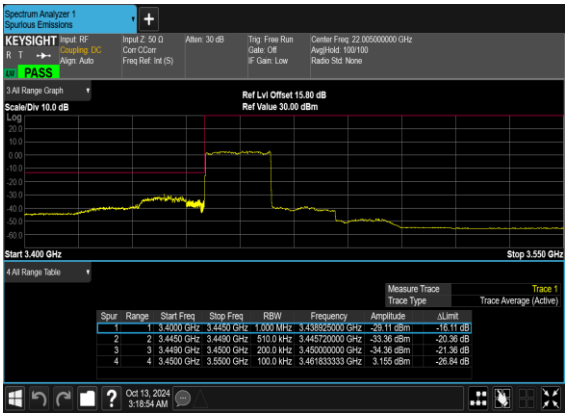


N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

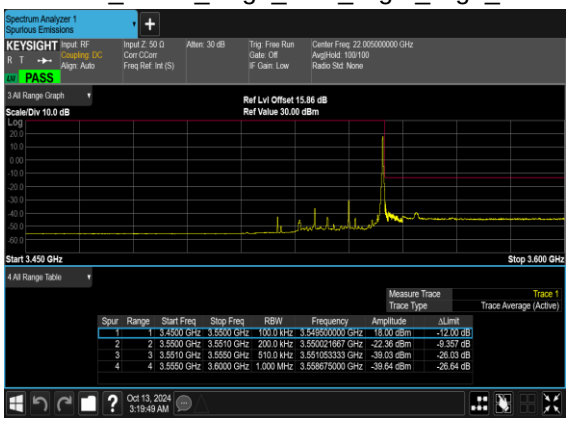


N78(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

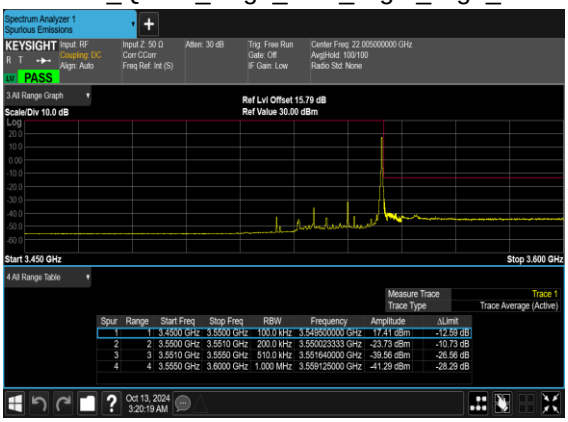
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

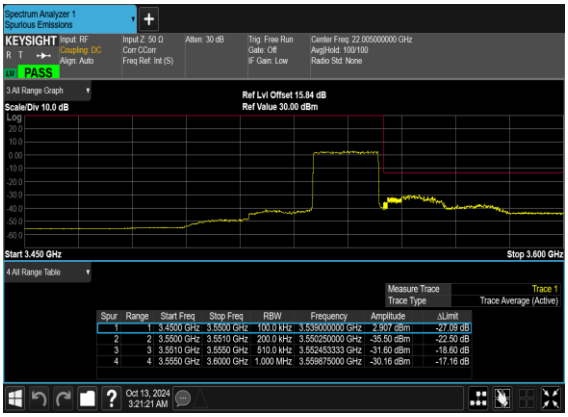


N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

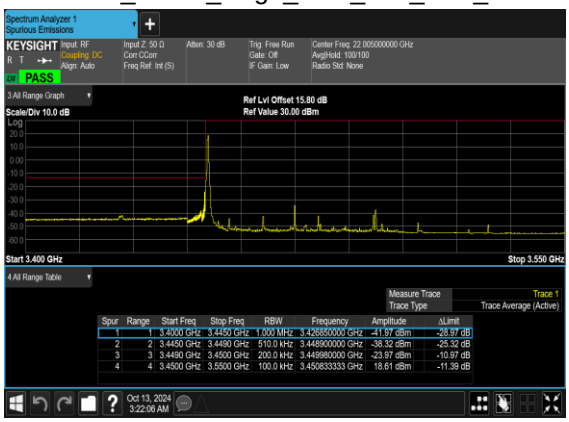


N78(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

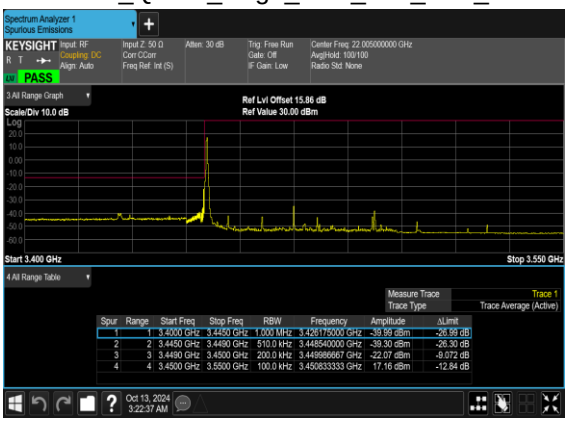
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



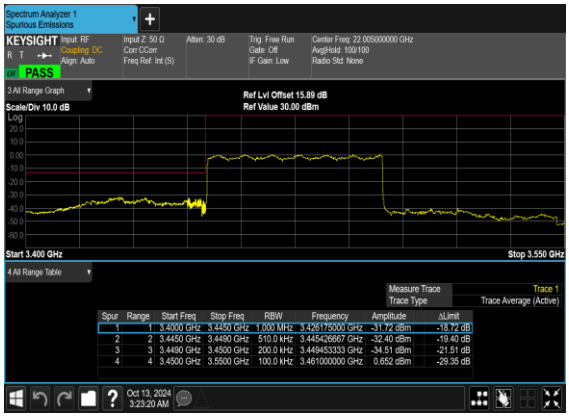
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N78(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH