FCC RF Test Report

APPLICANT	: iMozen Group INC.
EQUIPMENT	: Handheld mobile computer
BRAND NAME	: iMozen Group INC.
MODEL NAME	: TC605AN
FCC ID	: SPYTC605AN
STANDARD	: 47 CFR Part 2, 96
CLASSIFICATION	: Citizens Band End User Devices (CBE)
EQUIPMENT TYPE	: End User Equipment
TEST DATE(S)	: Dec. 01, 2023 ~ Dec. 28, 2023

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 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. (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)
No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China

Table of Contents

History of this test report **3**

Summary of Test Result **4**

1 General Description **5**

1.1 Applicant 5
1.2 Manufacturer 5
1.3 Feature of Equipment Under Test 5
1.4 Maximum EIRP Power and Emission Designator 6
1.5 Testing Site 6
1.6 Test Software 6
1.7 Applied Standards 7

2 Test Configuration of Equipment Under Test **8**

2.1 Test Mode 8
2.2 Connection Diagram of Test System 9
2.3 Support Unit used in test configuration 9
2.4 Measurement Results Explanation Example 9
2.5 Frequency List of Low/Middle/High Channels 10

3 Conducted Test Items **11**

3.1 Measuring Instruments 11
3.2 Conducted Output Power 12
3.3 EIRP 13
3.4 Occupied Bandwidth 14
3.5 Conducted Band Edge 15
3.6 Conducted Spurious Emission 16
3.7 Frequency Stability 17

4 Radiated Test Items **18**

4.1 Measuring Instruments 18
4.2 Test Setup 18
4.3 Test Result of Radiated Test 19
4.4 Radiated Spurious Emission 20

5 List of Measuring Equipment **21**

6 Measurement Uncertainty **22**

Appendix A. Test Results of Conducted Test

Appendix B. Test Results of Radiated Test

Appendix C. Test Setup Photographs

History of this test report

Report No.	Version	Description	Issued Date
FG3N2109-02I	01	Initial issue of report	Jan. 11, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
3.3	§96.41	Maximum E.I.R.P	Pass	-
3.4	§2.1049 §96.41	Occupied Bandwidth	Reporting only	-
3.5	§2.1051 §96.41	Conducted Band Edge Measurement Adjacent Channel Leakage Ratio	Pass	-
3.6	§2.1051 §96.41	Conducted Spurious Emission	Pass	
3.7	§2.1055	Frequency Stability for Temperature & Voltage	Pass	-
4.4	§2.1051 §96.41	Radiated Spurious Emission	Pass	Under limit 9.87 dB at 10824.000 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

iMozen Group INC.
6 F., No. 288, Sec. 6, Civic Blvd., Xinyi Dist., Taipei City 110417, Taiwan (R.O.C.)

1.2 Manufacturer

iMozen Group INC.
6 F., No. 288, Sec. 6, Civic Blvd., Xinyi Dist., Taipei City 110417, Taiwan (R.O.C.)

1.3 Feature of Equipment Under Test

Product Feature	
Equipment	Handheld mobile computer
Brand Name	iMozen Group INC.
Model Name	TC605AN
FCC ID	SPYTC605AN
Tx Frequency	5G NR n48: 3550 MHz ~ 3700 MHz
Rx Frequency	5G NR n48: 3550 MHz ~ 3700 MHz
SCS	30kHz
Bandwidth	20MHz / 40MHz
Antenna Gain	<Ant. 8>:5G NR n48: -2.23 dBi <Ant. 5>:5G NR n48: 0.86 dBi
Type of Modulation	DFT-s-OFDM (PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM) CP-OFDM (QPSK / 16QAM / 64QAM / 256QAM)
IMEI Code	Conducted: 352149450707620 Radiation: 352149450708743/352149450708750 352149450712141/352149450712158
HW Version	V4
SW Version	ST6919A_20231220121856
EUT Stage	Identical Prototype

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. 5G NR n48 support SA mode only.
3. 5G NR n48 support UL MIMO mode for Ant(8+5), and only supports CP-OFDM Modulation, the MIMO mode is completely uncorrelated, so the directional gain is selected the maximum gain among all antennas.
4. For UL MIMO mode, the conducted BE/Spurious are tested at single antenna port and add 10*log(N_{ANT}) according to KDB 662911 D01.

1.4 Maximum EIRP Power and Emission Designator

5G NR n48 SISO Ant 8		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)
20	**3560.01~3690.00**	0.1072	18M2G7D	0.0839	18M2W7D
40	**3570.00~3679.98**	0.1140	37M9G7D	0.0912	37M8W7D

5G NR n48 UL MIMO Ant 8+5		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	**3560.01~3690.00**	0.1431	18M2G7D	0.1261	18M2W7D
40	**3570.00~3679.98**	0.1491	37M9G7D	0.1351	37M8W7D

1.5 Testing Site

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

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH04-KS TH01-KS	CN1257	314309

1.6 Test Software

Item	Site	Manufacture	Name	Version
1.	TH01-KS	Tonscend	JS1120-3 test system China_210602	3.3.10
2.	03CH04-KS	AUDIX	E3	210616

1.7 Applied Standards

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

- ANSI C63.26-2015
- 47 CFR Part 2, 96
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 940660 D01 Part 96 CBRS v03
- 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

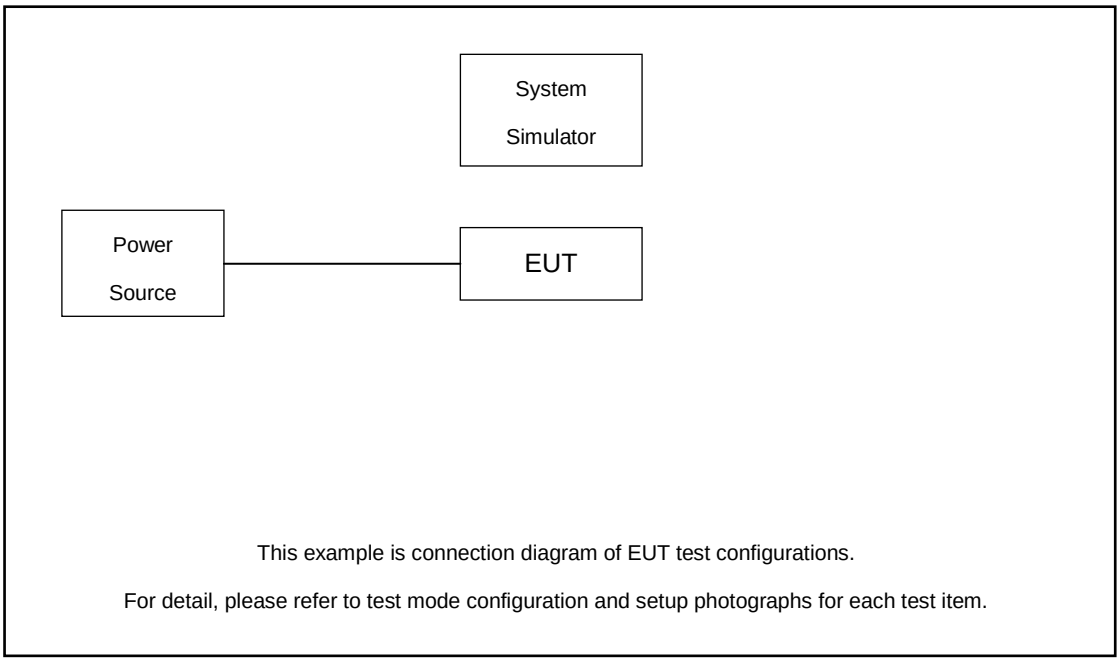
2.1 Test Mode

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.

For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Z plane) were recorded in this report.

Test Items	Band	Bandwidth (MHz)		Modulation					RB #		Test Channel		
		20	40	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Full	L	M	H
Max. Output Power	n48	v	v	v	v	v	v	v	v	v	v	v	v
26dB and 99% Bandwidth	n48	v	v		v	v	v	v		v		v	
Adjacent Channel Leakage Ratio	n48	v	v		v	v			v	v	v	v	v
Conducted Band Edge	n48	v	v	v	v				v	v	v	v	v
Conducted Spurious Emission	n48	v	v	v	v				v		v	v	v
E.I.R.P	n48	v	v	v	v	v	v	v	v	v	v	v	v
Frequency Stability	n48	v			v					v		v	
Radiated Spurious Emission	n48	Worst Case										v	
Remark	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. All test items are based on engineering evaluation. 5. Frequency Stability：Normal Voltage = 3.87V; Low Voltage =3.6V; High Voltage =4.2V.												

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration

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.	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 + attenuator factor.

Following shows an offset computation example with cable loss 3.49 dB and 10dB attenuator.

Example :

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

=3.49 + 10 = 13.49 (dB)

2.5 Frequency List of Low/Middle/High Channels

5G NR n48 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
40	Channel	638000	641666	645332
	Frequency	3570	3624.99	3679.98
20	Channel	637334	641666	646000
	Frequency	3560.01	3624.99	3690

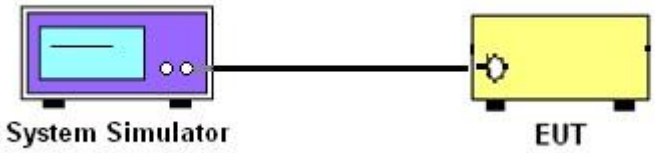
3 Conducted Test Items

3.1 Measuring Instruments

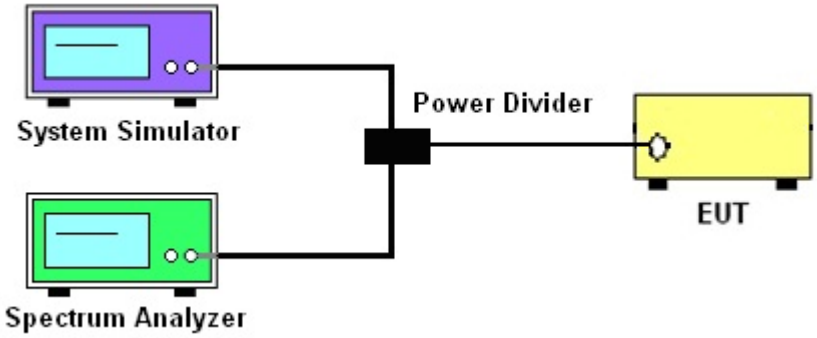
See list of measuring instruments of this test report.

3.1.1 Test Setup

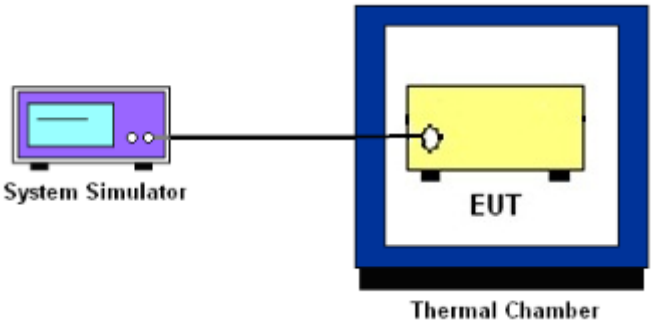
3.1.2 Conducted Output Power / ACLR



3.1.3 Occupied Bandwidth, Conducted Band-Edge and Conducted Spurious Emission



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power

3.2.1 Description of the Conducted Output Power Measurement

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

3.2.2 Test Procedures

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

3.3 EIRP

3.3.1 Description of the EIRP Measurement

EIRP limits for CBRS equipment as below table:

Device		Maximum EIRP (dBm/10 MHz)	Maximum PSD (dBm/MHz)
Applied	**End User Device**	23	n/a
☐	**Category A CBSD**	30	20
☐	**Category B CBSD**	47	37

Remark:

1. The worst case EIRP shown in this section is found with NR operating only using 1RB. As such, the EIRP/10MHz and full channel EIRP values will be identical since 1RB is fully contained within all available channel bandwidths for n48 (i.e. 20, 40MHz)

3.3.2 Test Procedures for EIRP

1. Establishing a communications link with the call box (Base station) to measure the Maximum conducted power, the parameters were set to force the EUT transmitting at maximum output power level. Use the average power measurement function to measure total channel power of each channel bandwidth (per ANSI C63.26-2015 Section 5.2.1)

2. Determining ERP and/or EIRP from conducted RF output power measurements (Per ANSI C63.26-2015 Section 5.2.5.5)

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

   P_T = transmitter output power in dBm

   G_T = gain of the transmitting antenna in dBi

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

3.4 Occupied Bandwidth

3.4.1 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.

3.4.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. 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.
3. 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.
4. Set the detection mode to peak, and the trace mode to max hold.
5. 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)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. 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.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

Part 96.41 (e) (1) (i)

For CBSD the emission limits outside the fundamental are as follows:

Within 0 MHz to 10 MHz above and below the assigned channel ≤ −13 dBm/MHz

Greater than 10 MHz above and below the assigned channel ≤ −25 dBm/MHz

Part 96.41 (e) (1) (ii)

For End User Devices the emission limits outside the fundamental are as follows:

Within 0 MHz to B MHz above and below the assigned channel ≤ −13 dBm/MHz

Greater than B MHz above and below the assigned channel ≤ −25 dBm/MHz

where B is the bandwidth in megahertz of the assigned channel or multiple contiguous channels of the End User Device.

Notwithstanding the emission limits in this paragraph, the Adjacent Channel Leakage Ratio for End User Devices shall be at least 30 dB.

Part 96.41 (e) (2)

For CBSDs and End User Devices, the conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed −25 dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed −40dBm/MHz

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used
5. Offset has included the duty factor for LTE Band 48. Duty factor =10 log (1/x), where x is the measured duty cycle.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.6 Conducted Spurious Emission

3.6.1 Description of Conducted Spurious Emission Measurement

96.41 (e)(2)

The conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed −40dBm/MHz.

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. 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.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
6. Set spectrum analyzer with RMS detector.
7. Taking the record of maximum spurious emission.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. The limit line is −40dBm/MHz.

3.7 Frequency Stability

3.7.1 Description of Frequency Stability Measurement

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

3.7.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. 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.
3. 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.

3.7.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was placed in a temperature chamber at 25±5° C and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

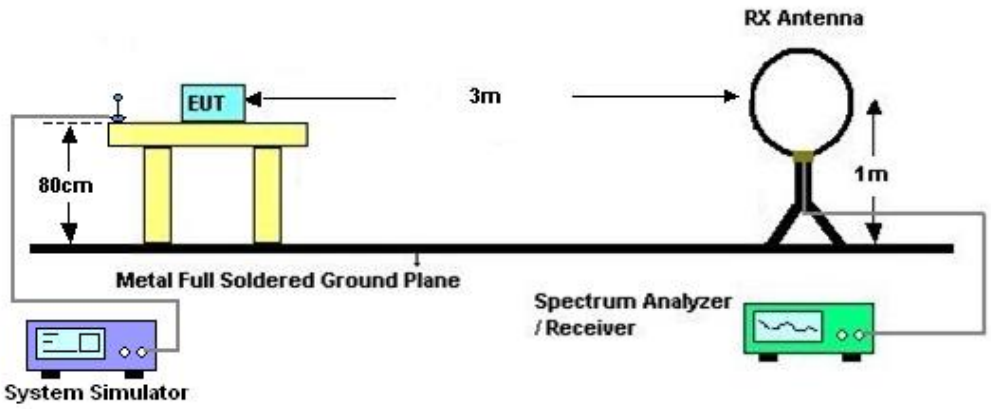
4 Radiated Test Items

4.1 Measuring Instruments

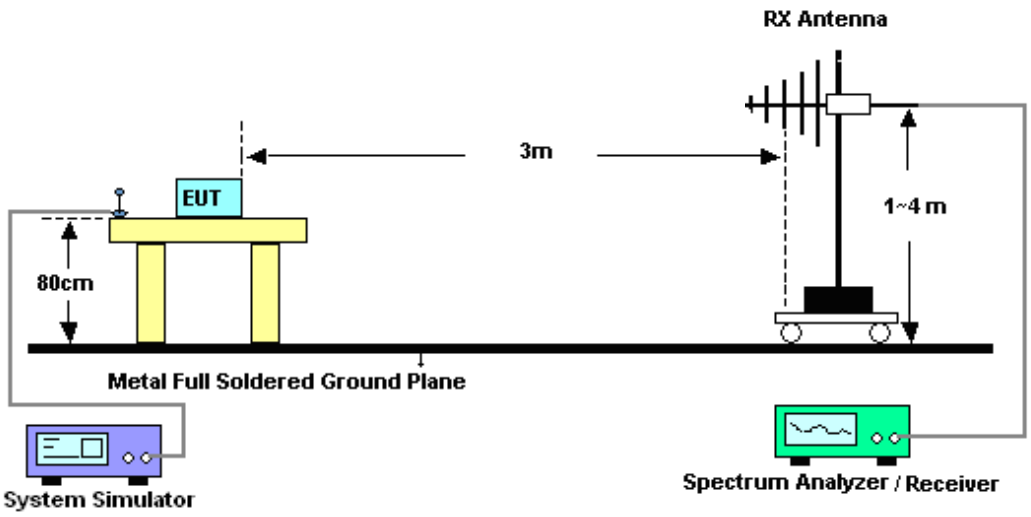
See list of measuring instruments of this test report.

4.2 Test Setup

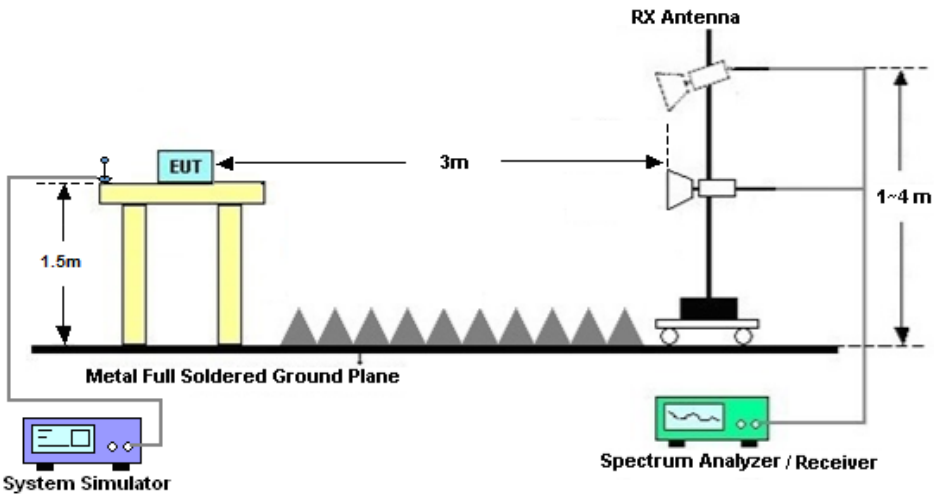
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least -40dBm / MHz.

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

4.4.2 Test Procedures

1. 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.
2. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
5. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
   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
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
   The limit line is −40dBm/MHz

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. 11, 2023	Dec. 15, 2023 ~Dec. 28, 2023	Oct. 10, 2024	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Dec. 15, 2023 ~Dec. 28, 2023	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 06, 2023	Dec. 15, 2023 ~Dec. 28, 2023	Jul. 05, 2024	Conducted (TH01-KS)
EMI Test Receiver	Keysight	N9038A	MY56400004	3Hz~8.5GHz;Max 30dBm	Oct. 10, 2023	Dec. 01, 2023 ~Dec. 19, 2023	Oct. 09, 2024	Radiation (03CH03-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 10, 2023	Dec. 01, 2023 ~Dec. 19, 2023	Oct. 09, 2024	Radiation (03CH03-KS)
Bilog Antenna	TeseQ	CBL6112D	23182	30MHz-1GHz	Dec. 23, 2022	Dec. 01, 2023 ~Dec. 19, 2023	Dec. 22, 2023	Radiation (03CH03-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Oct. 23, 2023	Dec. 01, 2023 ~Dec. 19, 2023	Oct. 22, 2024	Radiation (03CH03-KS)
SHF-EHF Horn	com-power	AH-840	101116	18GHz~40GHz	Oct. 10, 2023	Dec. 01, 2023 ~Dec. 19, 2023	Oct. 09, 2024	Radiation (03CH03-KS)
Amplifier	SONOMA	310N	413740	30MHz ~1000MHz	Jan. 05, 2023	Dec. 01, 2023 ~Dec. 19, 2023	Jan. 04, 2024	Radiation (03CH03-KS)
Amplifier	EM	EM18G40GA	060851	18~40GHz	Jan. 05, 2023	Dec. 01, 2023 ~Dec. 19, 2023	Jan. 04, 2024	Radiation (03CH03-KS)
high gain Amplifier	MITEQ	AMF-7D-00101800-30-10P	2082394	1Ghz-18Ghz	Jan. 05, 2023	Dec. 01, 2023 ~Dec. 19, 2023	Jan. 04, 2024	Radiation (03CH03-KS)
Amplifier	Keysight	83017A	MY53270319	1GHz~26.5GHz	Oct. 10, 2023	Dec. 01, 2023 ~Dec. 19, 2023	Oct. 09, 2024	Radiation (03CH03-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Dec. 01, 2023 ~Dec. 19, 2023	NCR	Radiation (03CH03-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Dec. 01, 2023 ~Dec. 19, 2023	NCR	Radiation (03CH03-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Dec. 01, 2023 ~Dec. 19, 2023	NCR	Radiation (03CH03-KS)

NCR: No Calibration Required

6 Measurement Uncertainty

Uncertainty of Conducted Measurement

Conducted Spurious Emission & Bandedge	±2.26 dB
Occupied Channel Bandwidth	±0.1%
Conducted Power	±0.46 dB
Conducted Power Density	±0.88 dB
Peak to Average Ratio	±0.46 dB
Frequency Stability	±0.4 Hz

Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.0 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.0 dB

Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.0 dB

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

Appendix A. Test Results of Conducted Test

Test Engineer :	Simle Wang	**Temperature :**	22~23℃
		Relative Humidity :	40~42%

Software Version: 23.06.1602

FR1 N48

Transmitter Conducted Output Power And EIRP, (G_T-L_C)= -2.23dB

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
48	30	20	637334	3560.01	DFT-s-OFDM PI/2 BPSK	1@1	22.53	20.3	0.1072
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@1	22.52	20.29	0.1069
48	30	20	637334	3560.01	DFT-s-OFDM 16 QAM	1@1	21.47	19.24	0.0839
48	30	20	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	22.49	20.26	0.1062
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@1	22.48	20.25	0.1059
48	30	20	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	21.43	19.2	0.0832
48	30	20	646000	3690	DFT-s-OFDM PI/2 BPSK	1@1	22.39	20.16	0.1038
48	30	20	646000	3690	DFT-s-OFDM QPSK	1@1	22.4	20.17	0.1040
48	30	20	646000	3690	DFT-s-OFDM 16 QAM	1@1	21.36	19.13	0.0818
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	50@25	22.68	20.45	0.1109
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	1@1	22.8	20.57	0.1140
48	30	40	638000	3570	DFT-s-OFDM PI/2 BPSK	1@104	22.56	20.33	0.1079
48	30	40	638000	3570	DFT-s-OFDM QPSK	50@25	22.7	20.47	0.1114
48	30	40	638000	3570	DFT-s-OFDM QPSK	1@1	22.74	20.51	0.1125
48	30	40	638000	3570	DFT-s-OFDM QPSK	1@104	22.54	20.31	0.1074
48	30	40	638000	3570	DFT-s-OFDM 16 QAM	50@25	21.7	19.47	0.0885
48	30	40	638000	3570	DFT-s-OFDM 16 QAM	1@1	21.83	19.6	0.0912
48	30	40	638000	3570	DFT-s-OFDM 16 QAM	1@104	21.52	19.29	0.0849
48	30	40	638000	3570	DFT-s-OFDM 64 QAM	50@25	20.17	17.94	0.0622
48	30	40	638000	3570	DFT-s-OFDM 64 QAM	1@1	20.03	17.8	0.0603
48	30	40	638000	3570	DFT-s-OFDM 64 QAM	1@104	19.84	17.61	0.0577
48	30	40	638000	3570	DFT-s-OFDM 256 QAM	50@25	18.1	15.87	0.0386
48	30	40	638000	3570	DFT-s-OFDM 256 QAM	1@1	18.1	15.87	0.0386
48	30	40	638000	3570	DFT-s-OFDM 256 QAM	1@104	17.92	15.69	0.0371
48	30	40	638000	3570	CP-OFDM QPSK	53@26	21.09	18.86	0.0769
48	30	40	638000	3570	CP-OFDM QPSK	1@1	21.25	19.02	0.0798
48	30	40	638000	3570	CP-OFDM QPSK	1@104	21.01	18.78	0.0755
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	50@25	22.54	20.31	0.1074
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	22.7	20.47	0.1114
48	30	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@104	22.53	20.3	0.1072
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	50@25	22.58	20.35	0.1084
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@1	22.67	20.44	0.1107
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@104	22.5	20.27	0.1064
48	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	50@25	21.57	19.34	0.0859
48	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	21.65	19.42	0.0875
48	30	40	641666	3624.99	DFT-s-OFDM 16 QAM	1@104	21.49	19.26	0.0843

48	30	40	641666	3624.99	DFT-s-OFDM 64 QAM	50@25	20.07	17.84	0.0608
48	30	40	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	19.95	17.72	0.0592
48	30	40	641666	3624.99	DFT-s-OFDM 64 QAM	1@104	19.83	17.6	0.0575
48	30	40	641666	3624.99	DFT-s-OFDM 256 QAM	50@25	18.01	15.78	0.0378
48	30	40	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	18	15.77	0.0378
48	30	40	641666	3624.99	DFT-s-OFDM 256 QAM	1@104	17.91	15.68	0.0370
48	30	40	641666	3624.99	CP-OFDM QPSK	53@26	21.02	18.79	0.0757
48	30	40	641666	3624.99	CP-OFDM QPSK	1@1	21.13	18.9	0.0776
48	30	40	641666	3624.99	CP-OFDM QPSK	1@104	20.97	18.74	0.0748
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	50@25	22.58	20.35	0.1084
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@1	22.6	20.37	0.1089
48	30	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@104	22.56	20.33	0.1079
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	50@25	22.61	20.38	0.1091
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@1	22.63	20.4	0.1096
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@104	22.45	20.22	0.1052
48	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	50@25	21.57	19.34	0.0859
48	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	1@1	21.59	19.36	0.0863
48	30	40	645332	3679.98	DFT-s-OFDM 16 QAM	1@104	21.52	19.29	0.0849
48	30	40	645332	3679.98	DFT-s-OFDM 64 QAM	50@25	20.08	17.85	0.0610
48	30	40	645332	3679.98	DFT-s-OFDM 64 QAM	1@1	19.83	17.6	0.0575
48	30	40	645332	3679.98	DFT-s-OFDM 64 QAM	1@104	19.75	17.52	0.0565
48	30	40	645332	3679.98	DFT-s-OFDM 256 QAM	50@25	18.02	15.79	0.0379
48	30	40	645332	3679.98	DFT-s-OFDM 256 QAM	1@1	17.92	15.69	0.0371
48	30	40	645332	3679.98	DFT-s-OFDM 256 QAM	1@104	17.84	15.61	0.0364
48	30	40	645332	3679.98	CP-OFDM QPSK	53@26	21.11	18.88	0.0773
48	30	40	645332	3679.98	CP-OFDM QPSK	1@1	21.05	18.82	0.0762
48	30	40	645332	3679.98	CP-OFDM QPSK	1@104	20.91	18.68	0.0738

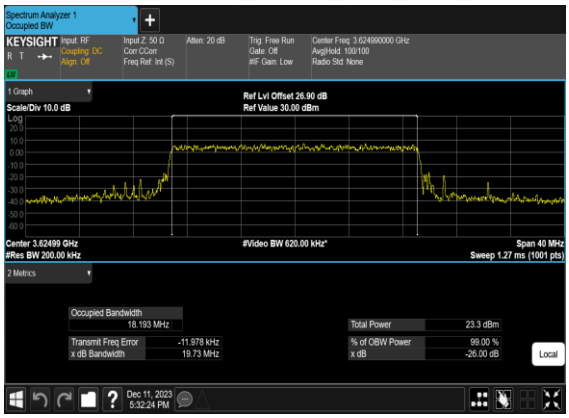
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0026	**PASS**	NV
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0034	**PASS**	LV
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0025	**PASS**	HV
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	-0.0012	**PASS**	-30℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0005	**PASS**	-20℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0028	**PASS**	-10℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	-0.0021	**PASS**	0℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0024	**PASS**	10℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0011	**PASS**	20℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0016	**PASS**	30℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	-0.0018	**PASS**	40℃
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	0.0034	**PASS**	50℃

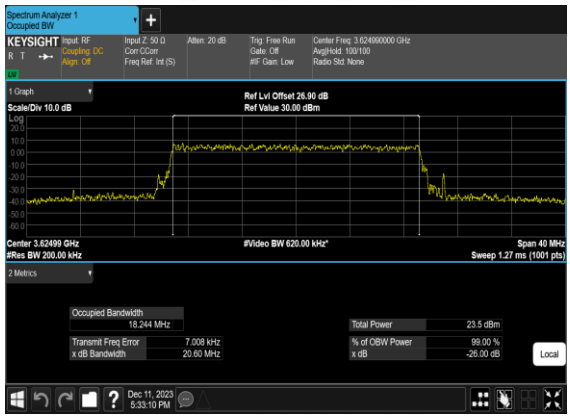
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	18.193	19.73
48	30	20	641666	3624.99	CP-OFDM 16 QAM	51@0	18.244	20.6
48	30	20	641666	3624.99	CP-OFDM 64 QAM	51@0	18.199	24.4
48	30	20	641666	3624.99	CP-OFDM 256 QAM	51@0	18.177	19.2
48	30	40	641666	3624.99	CP-OFDM QPSK	106@0	37.855	39.66
48	30	40	641666	3624.99	CP-OFDM 16 QAM	106@0	37.685	39.46
48	30	40	641666	3624.99	CP-OFDM 64 QAM	106@0	37.817	39.46
48	30	40	641666	3624.99	CP-OFDM 256 QAM	106@0	37.847	39.56

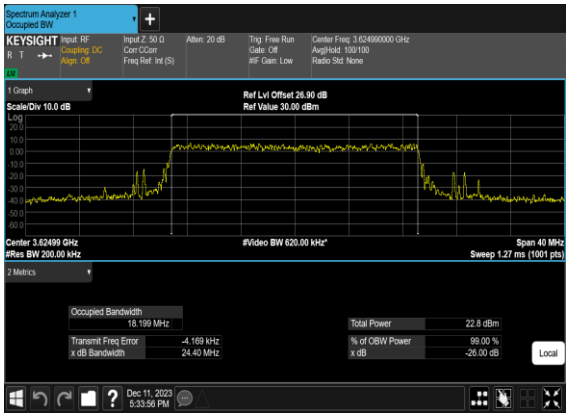
N48(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N48(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

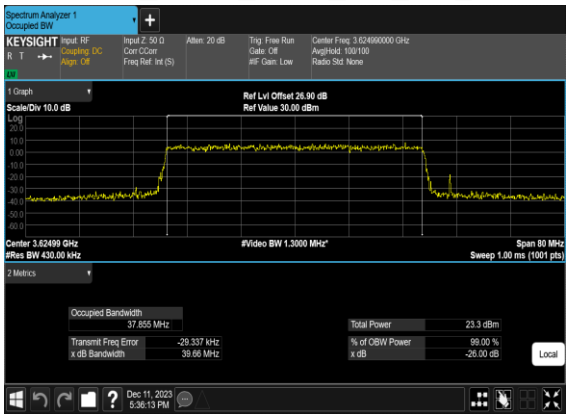


N48(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

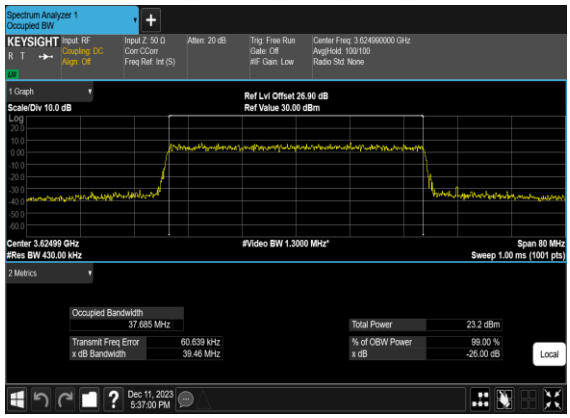


N48(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

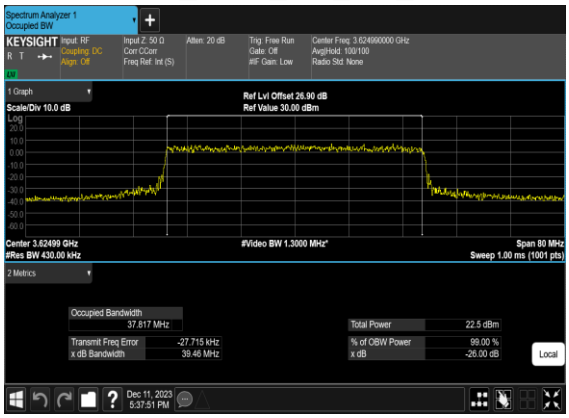
N48(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



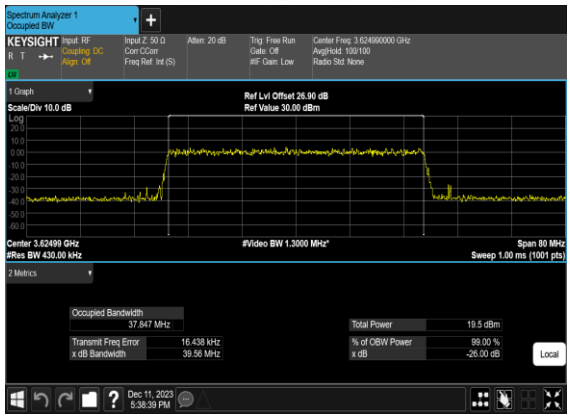
N48(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N48(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



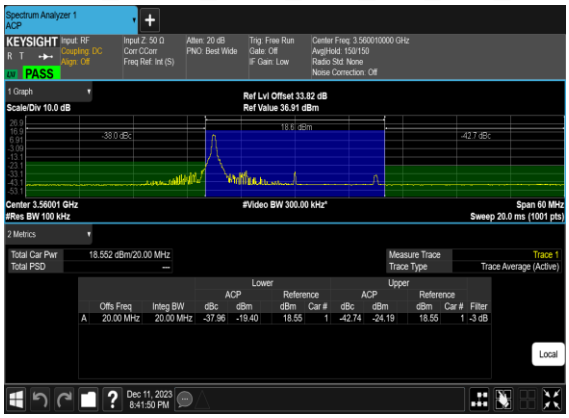
N48(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



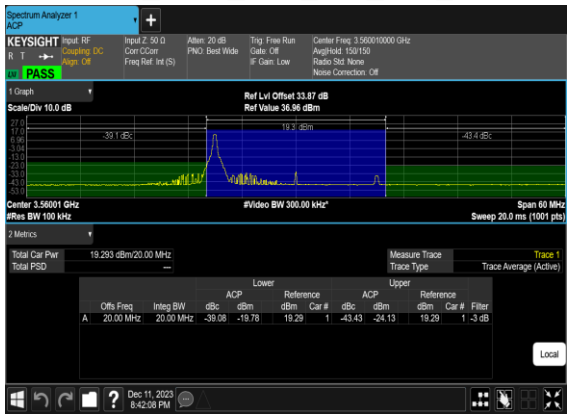
Adjacent Channel Leakage Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Lower Margin	Upper Margin	Result	Verdict
48	30	20	637334	3560.01	CP-OFDM QPSK	1@0	-7.96	-12.74	**see graph**	PASS
48	30	20	637334	3560.01	CP-OFDM 16 QAM	1@0	-9.08	-13.43	**see graph**	PASS
48	30	20	637334	3560.01	CP-OFDM QPSK	1@50	-13.32	-9.17	**see graph**	PASS
48	30	20	637334	3560.01	CP-OFDM 16 QAM	1@50	-14.17	-9.58	**see graph**	PASS
48	30	20	637334	3560.01	CP-OFDM QPSK	51@0	-11.05	-10.91	**see graph**	PASS
48	30	20	637334	3560.01	CP-OFDM 16 QAM	51@0	-10.98	-10.93	**see graph**	PASS
48	30	20	641666	3624.99	CP-OFDM QPSK	1@0	-7.14	-9.71	**see graph**	PASS
48	30	20	641666	3624.99	CP-OFDM 16 QAM	1@0	-7.37	-11.01	**see graph**	PASS
48	30	20	641666	3624.99	CP-OFDM QPSK	1@50	-11.07	-8.73	**see graph**	PASS
48	30	20	641666	3624.99	CP-OFDM 16 QAM	1@50	-10.68	-8.08	**see graph**	PASS
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	-9.05	-8.75	**see graph**	PASS
48	30	20	641666	3624.99	CP-OFDM 16 QAM	51@0	-9.11	-8.92	**see graph**	PASS
48	30	20	646000	3690.0	CP-OFDM QPSK	1@0	-7.26	-9.13	**see graph**	PASS
48	30	20	646000	3690.0	CP-OFDM 16 QAM	1@0	-6.25	-9.06	**see graph**	PASS
48	30	20	646000	3690.0	CP-OFDM QPSK	1@50	-10.12	-7.4	**see graph**	PASS
48	30	20	646000	3690.0	CP-OFDM 16 QAM	1@50	-9.75	-6.54	**see graph**	PASS
48	30	20	646000	3690.0	CP-OFDM QPSK	51@0	-8.45	-8.25	**see graph**	PASS
48	30	20	646000	3690.0	CP-OFDM 16 QAM	51@0	-8.57	-8.21	**see graph**	PASS
48	30	40	638000	3570.0	CP-OFDM QPSK	1@0	-6.83	-7.59	**see graph**	PASS
48	30	40	638000	3570.0	CP-OFDM 16 QAM	1@0	-6.17	-7.35	**see graph**	PASS
48	30	40	638000	3570.0	CP-OFDM QPSK	1@105	-8.36	-6.82	**see graph**	PASS
48	30	40	638000	3570.0	CP-OFDM 16 QAM	1@105	-8.07	-6.6	**see graph**	PASS
48	30	40	638000	3570.0	CP-OFDM QPSK	106@0	-6.96	-6.45	**see graph**	PASS
48	30	40	638000	3570.0	CP-OFDM 16 QAM	106@0	-7.07	-6.57	**see graph**	PASS
48	30	40	641666	3624.99	CP-OFDM QPSK	1@0	-5.16	-5.65	**see graph**	PASS
48	30	40	641666	3624.99	CP-OFDM 16 QAM	1@0	-5.85	-6.3	**see graph**	PASS
48	30	40	641666	3624.99	CP-OFDM QPSK	1@105	-7.84	-6.0	**see graph**	PASS
48	30	40	641666	3624.99	CP-OFDM 16 QAM	1@105	-6.72	-4.46	**see graph**	PASS
48	30	40	641666	3624.99	CP-OFDM QPSK	106@0	-7.12	-6.24	**see graph**	PASS
48	30	40	641666	3624.99	CP-OFDM 16 QAM	106@0	-7.01	-6.15	**see graph**	PASS
48	30	40	645332	3679.98	CP-OFDM QPSK	1@0	-5.87	-6.19	**see graph**	PASS
48	30	40	645332	3679.98	CP-OFDM 16 QAM	1@0	-4.14	-4.67	**see graph**	PASS
48	30	40	645332	3679.98	CP-OFDM QPSK	1@105	-6.53	-5.04	**see graph**	PASS
48	30	40	645332	3679.98	CP-OFDM 16 QAM	1@105	-7.22	-5.29	**see graph**	PASS
48	30	40	645332	3679.98	CP-OFDM QPSK	106@0	-6.47	-5.53	**see graph**	PASS
48	30	40	645332	3679.98	CP-OFDM 16 QAM	106@0	-6.45	-5.6	**see graph**	PASS

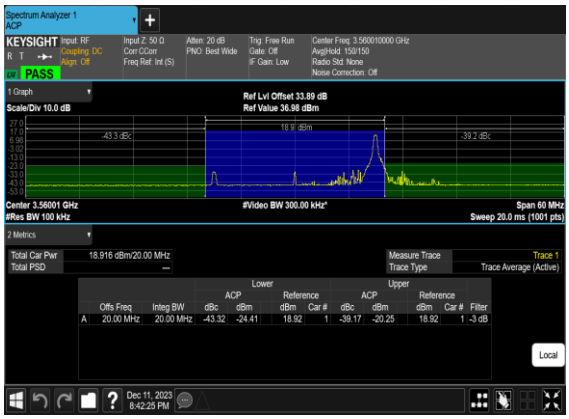
N48(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH



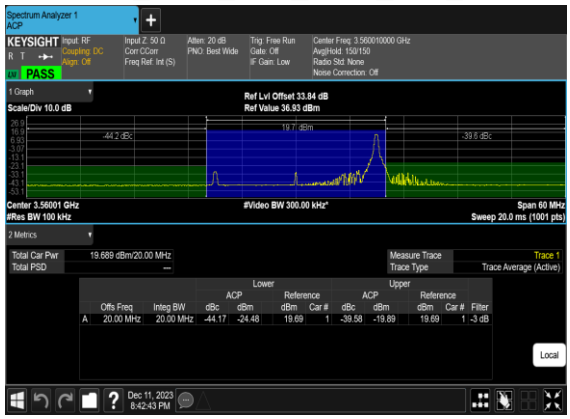
N48(20M)_CP-OFDM_16QAM_Edge_1RB_Left_Low_CH



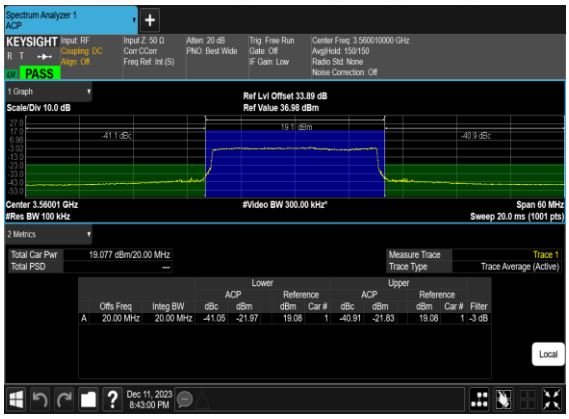
N48(20M)_CP-OFDM_QPSK_Edge_1RB_Right_Low_CH



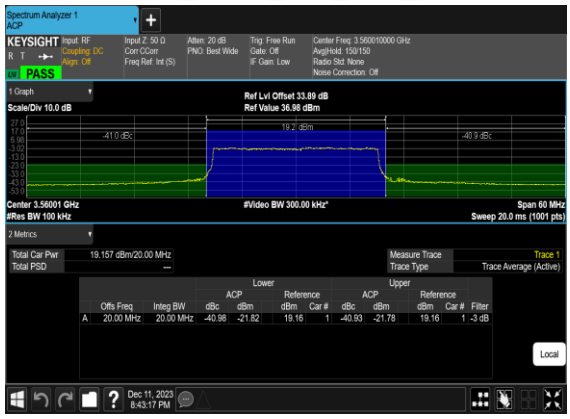
N48(20M)_CP-OFDM_16QAM_Edge_1RB_Right_Low_CH



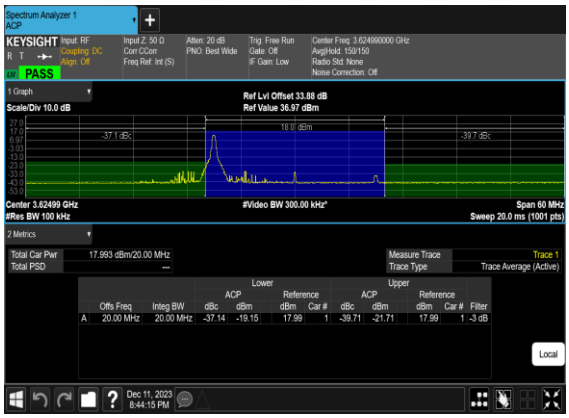
N48(20M)_CP-OFDM_QPSK_Outer_Full_Low_CH



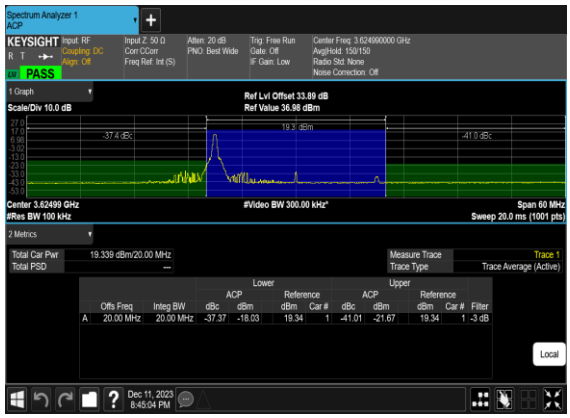
N48(20M)_CP-OFDM_16QAM_Outer_Full_Low_CH



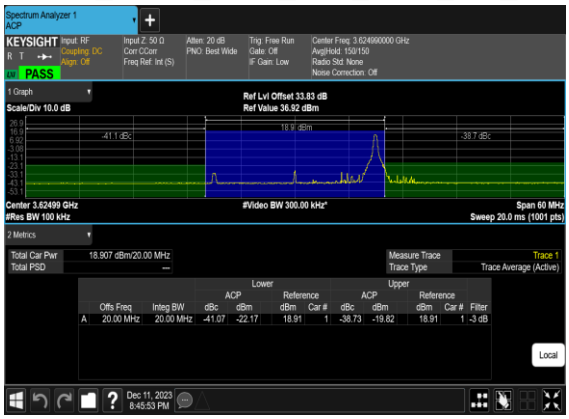
N48(20M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



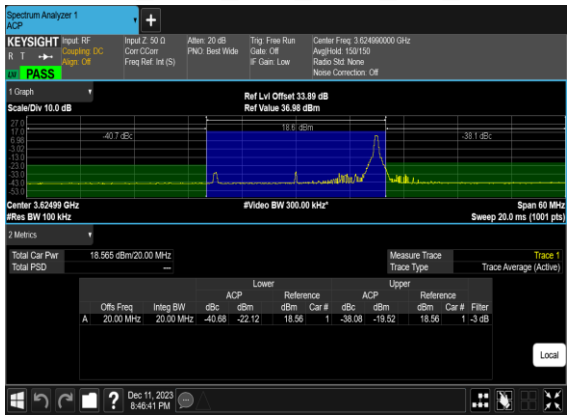
N48(20M)_CP-OFDM_16QAM_Edge_1RB_Left_Mid_CH



N48(20M)_CP-OFDM_QPSK_Edge_1RB_Right_Mid_CH



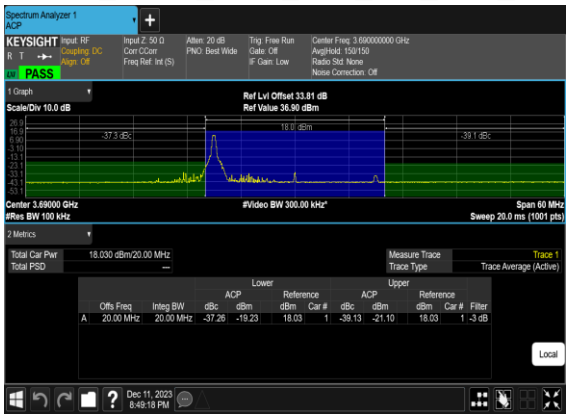
N48(20M)_CP-OFDM_16QAM_Edge_1RB_Right_Mid_CH



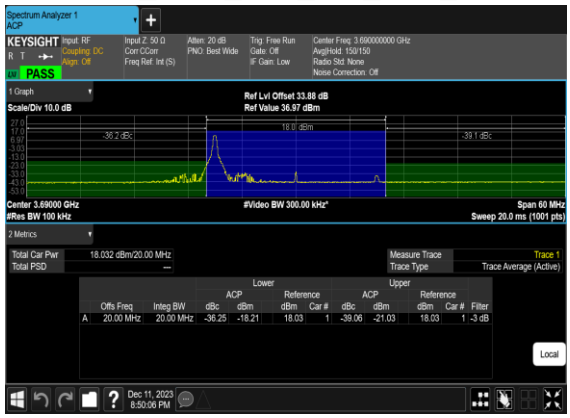
N48(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N48(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

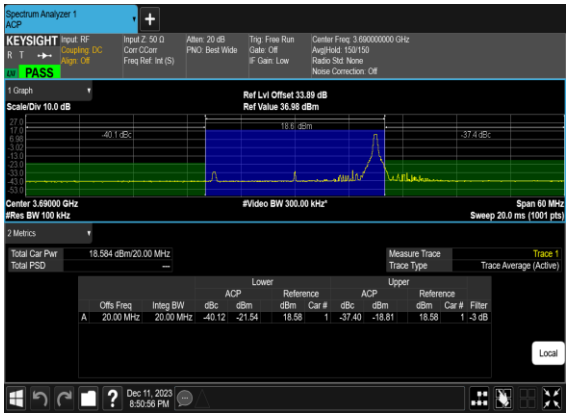
N48(20M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



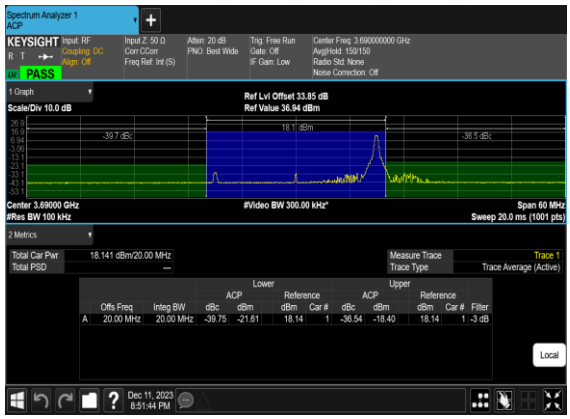
N48(20M)_CP-OFDM_16QAM_Edge_1RB_Left_High_CH



N48(20M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH



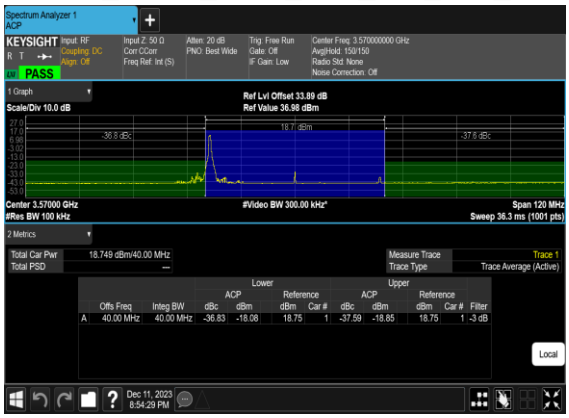
N48(20M)_CP-OFDM_16QAM_Edge_1RB_Right_High_CH



N48(20M)_CP-OFDM_QPSK_Outer_Full_High_CH

N48(20M)_CP-OFDM_16QAM_Outer_Full_High_CH

N48(40M)_CP-OFDM_QPSK_Edge_1RB_Left_Low_CH

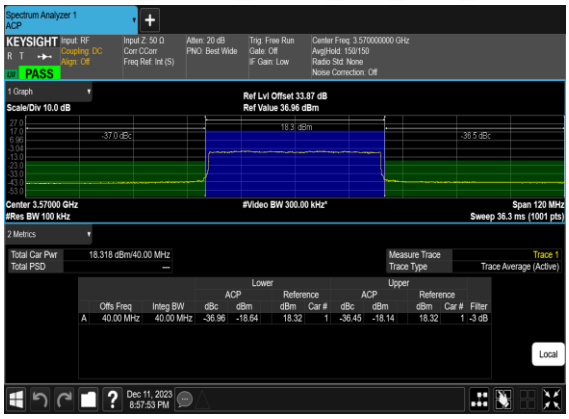


N48(40M)_CP-OFDM_16QAM_Edge_1RB_Left_Low_CH

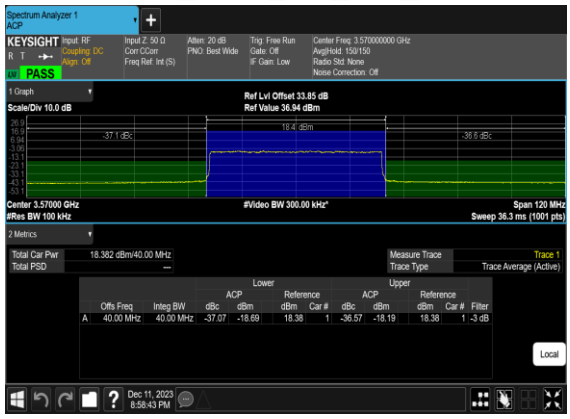
N48(40M)_CP-OFDM_QPSK_Edge_1RB_Right_Low_CH

N48(40M)_CP-OFDM_16QAM_Edge_1RB_Right_Low_CH

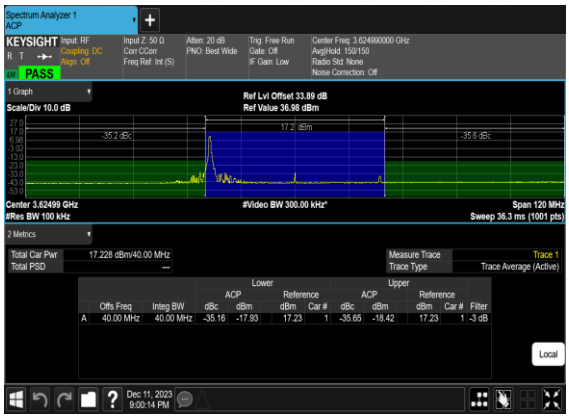
N48(40M)_CP-OFDM_QPSK_Outer_Full_Low_CH



N48(40M)_CP-OFDM_16QAM_Outer_Full_Low_CH



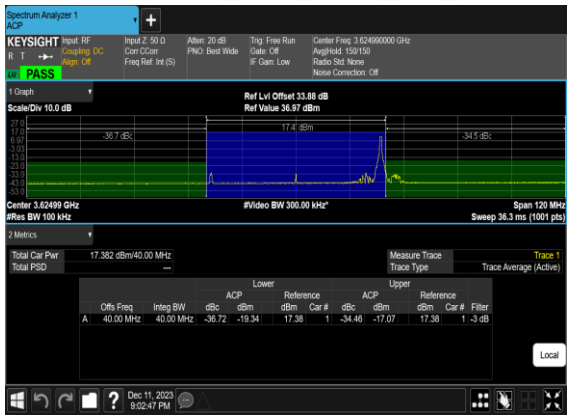
N48(40M)_CP-OFDM_QPSK_Edge_1RB_Left_Mid_CH



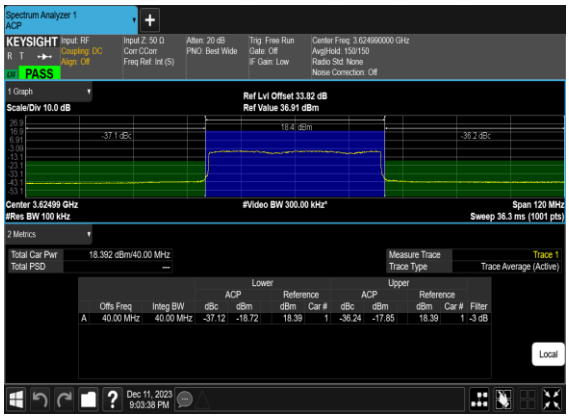
N48(40M)_CP-OFDM_16QAM_Edge_1RB_Left_Mid_CH

N48(40M)_CP-OFDM_QPSK_Edge_1RB_Right_Mid_CH

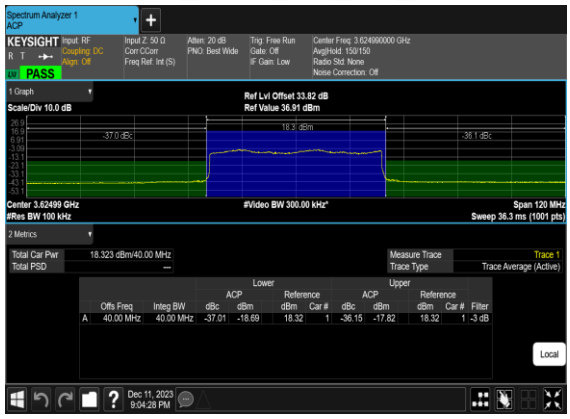
N48(40M)_CP-OFDM_16QAM_Edge_1RB_Right_Mid_CH



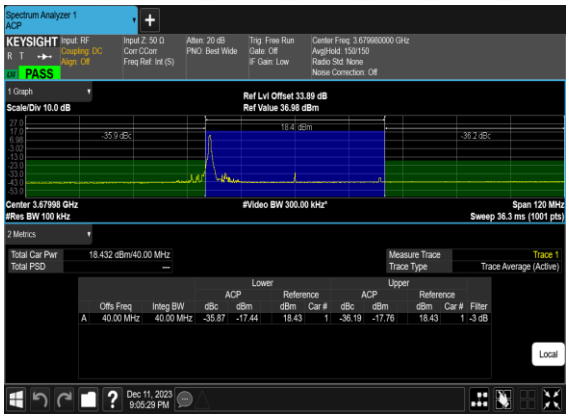
N48(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



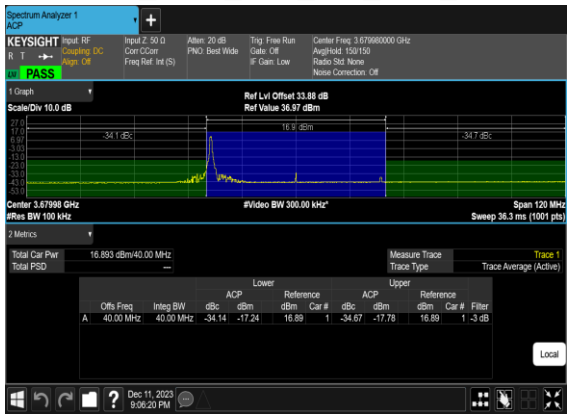
N48(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N48(40M)_CP-OFDM_QPSK_Edge_1RB_Left_High_CH



N48(40M)_CP-OFDM_16QAM_Edge_1RB_Left_High_CH



N48(40M)_CP-OFDM_QPSK_Edge_1RB_Right_High_CH

N48(40M)_CP-OFDM_16QAM_Edge_1RB_Right_High_CH

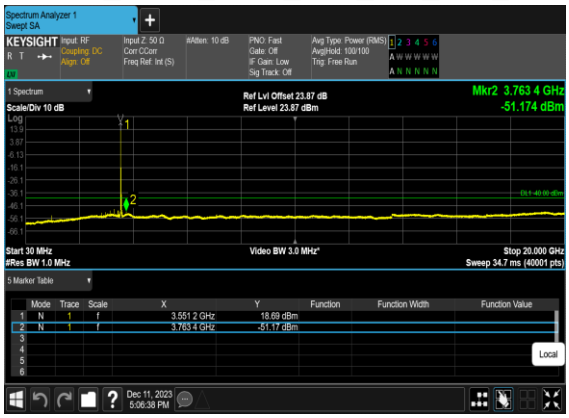
N48(40M)_CP-OFDM_QPSK_Outer_Full_High_CH

N48(40M)_CP-OFDM_16QAM_Outer_Full_High_CH

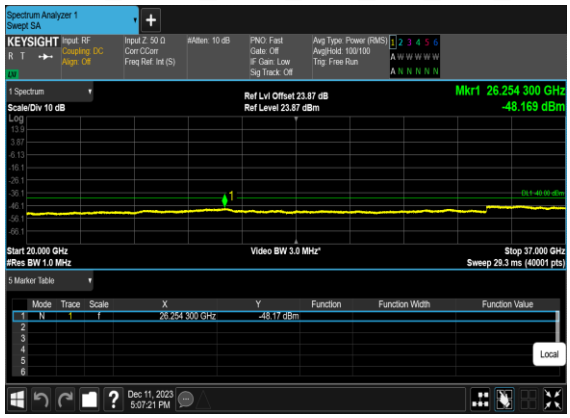
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
48	30	20	637334	3560.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
48	30	20	637334	3560.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	20	637334	3560.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	**---**
48	30	20	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	**---**
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
48	30	20	646000	3690.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	40	638000	3570.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
48	30	40	638000	3570.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	40	638000	3570.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	40	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	**---**
48	30	40	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	40	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	**---**
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	40	645332	3679.98	DFT-s-OFDM BPSK	1@0	see graph	**---**
48	30	40	645332	3679.98	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	40	645332	3679.98	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@0	see graph	**---**
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

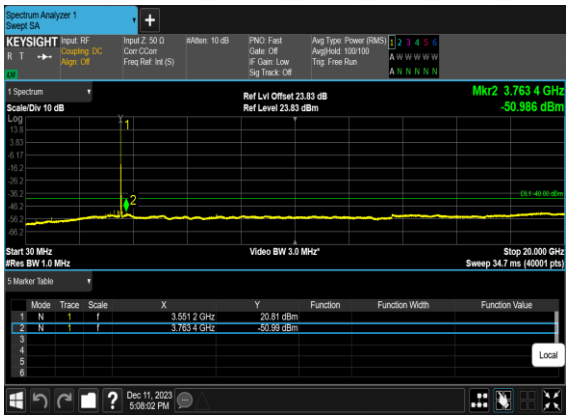
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



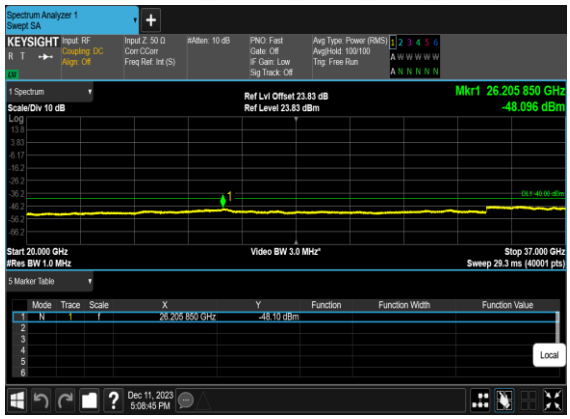
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



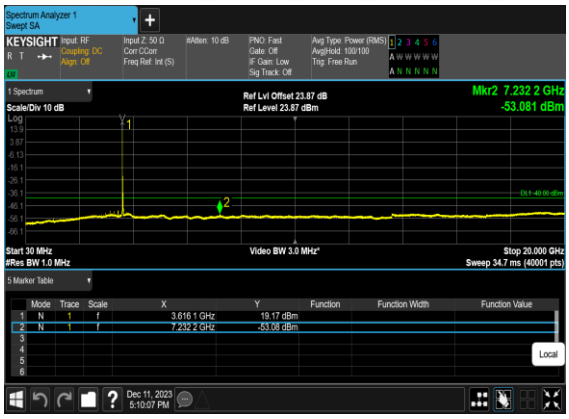
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

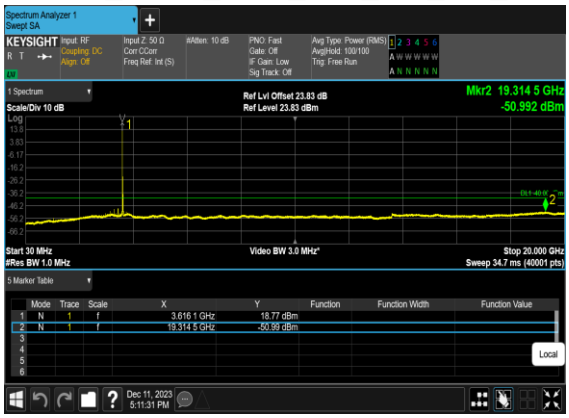


N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

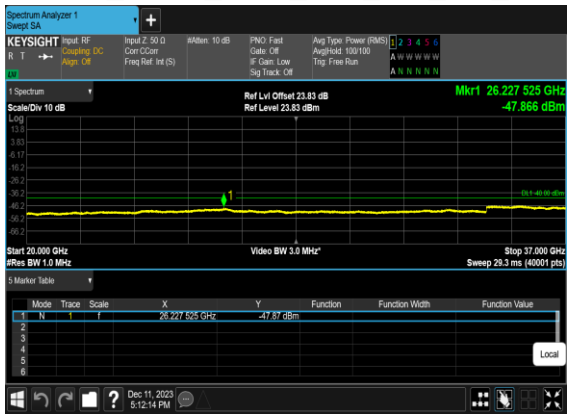


N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

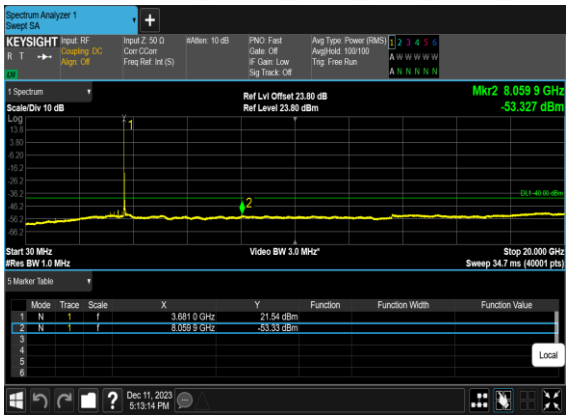
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

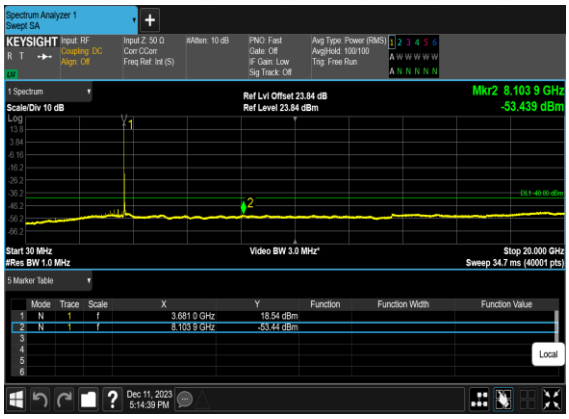


N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



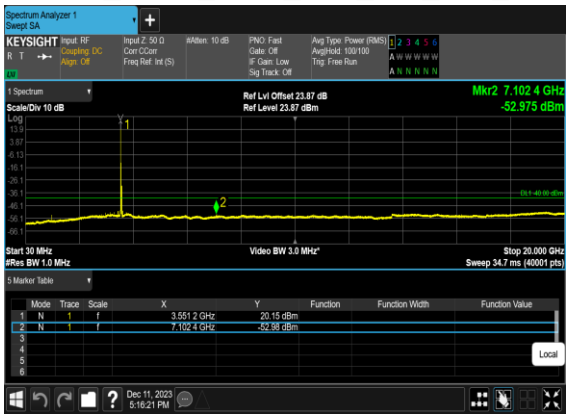
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

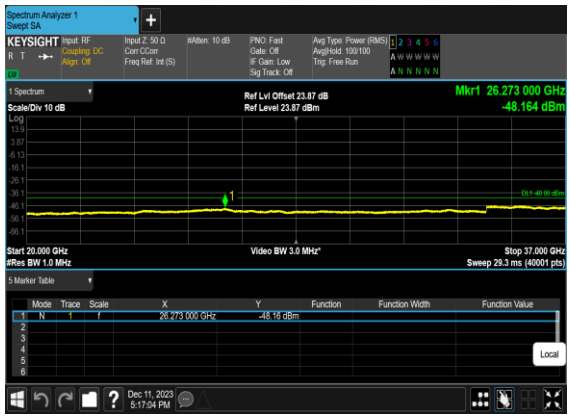


N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

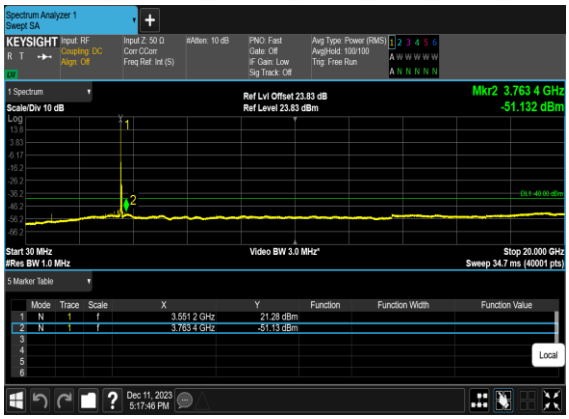
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



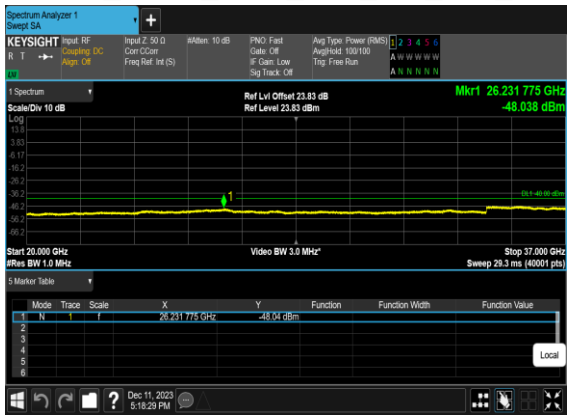
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



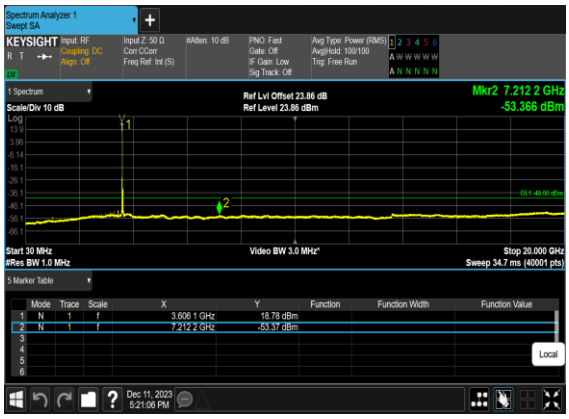
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

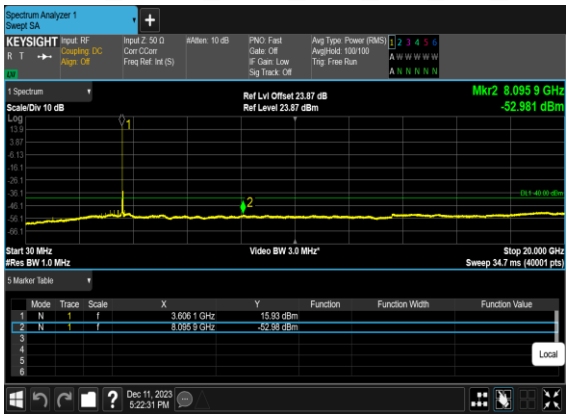


N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

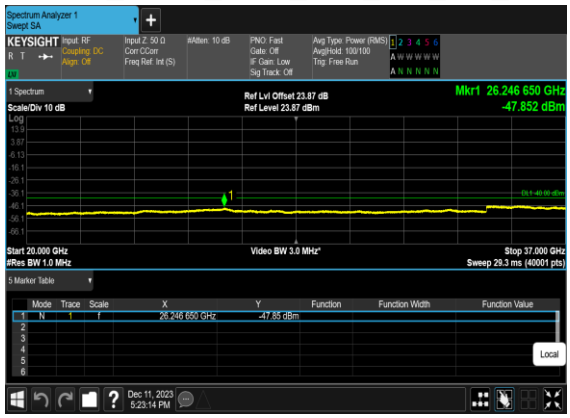


N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

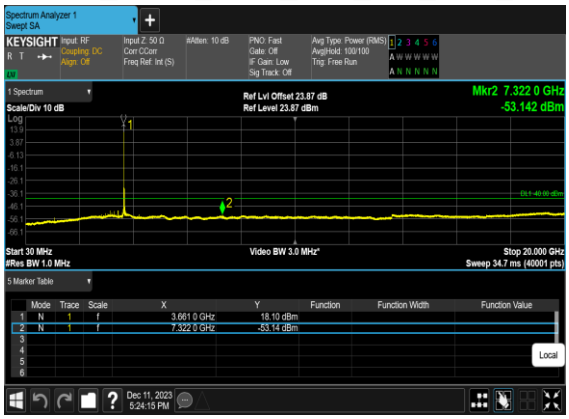
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



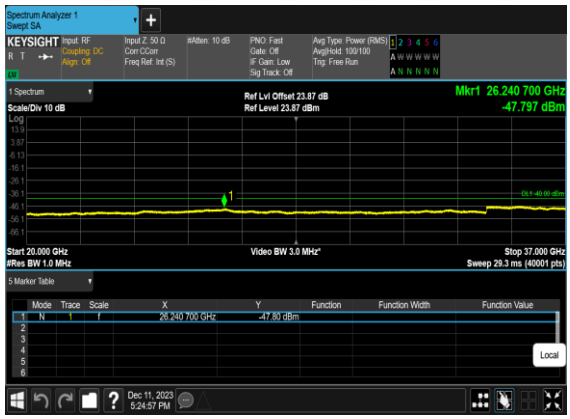
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



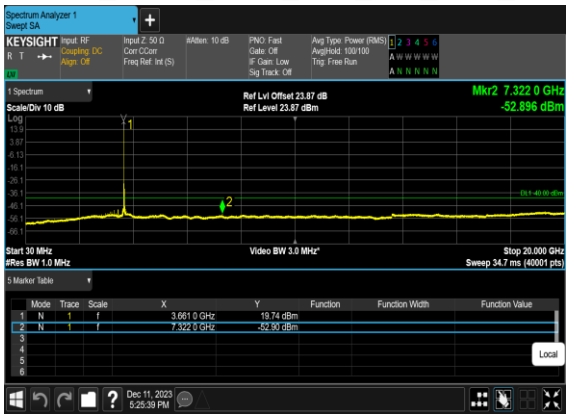
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

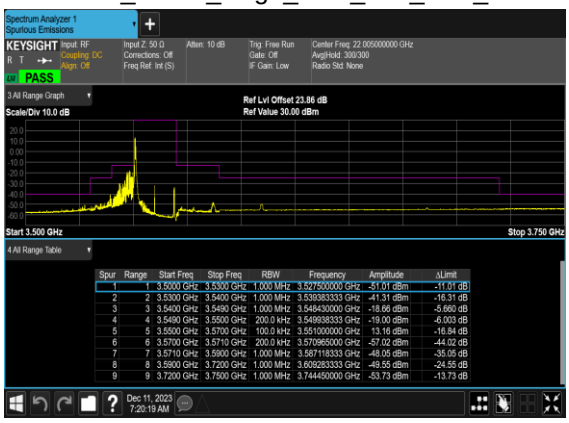


N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

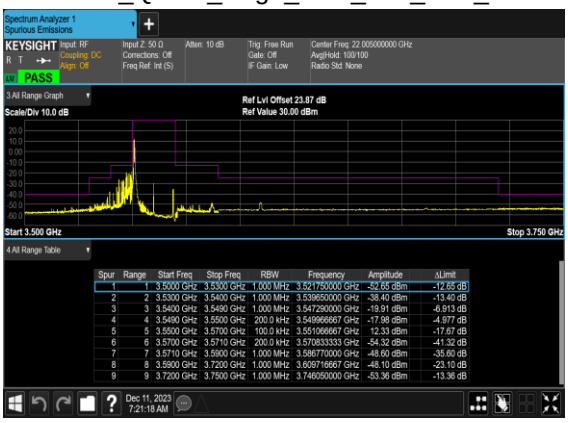
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
48	30	20	637334	3560.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	20	637334	3560.01	DFT-s-OFDM BPSK	1@50	see graph	**PASS**
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@50	see graph	**PASS**
48	30	20	637334	3560.01	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM BPSK	1@50	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@50	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM BPSK	1@50	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@50	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM BPSK	1@50	see graph	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@50	see graph	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
48	30	40	638000	3570.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	40	638000	3570.0	DFT-s-OFDM BPSK	1@105	see graph	**PASS**
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	1@105	see graph	**PASS**
48	30	40	638000	3570.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
48	30	40	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	40	641666	3624.99	DFT-s-OFDM BPSK	1@105	see graph	**PASS**
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@105	see graph	**PASS**
48	30	40	641666	3624.99	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	40	645332	3679.98	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	40	645332	3679.98	DFT-s-OFDM BPSK	1@105	see graph	**PASS**
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@105	see graph	**PASS**
48	30	40	645332	3679.98	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	100@0	see graph	**PASS**

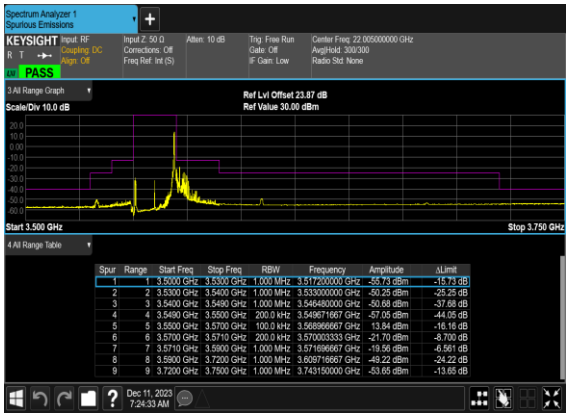
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



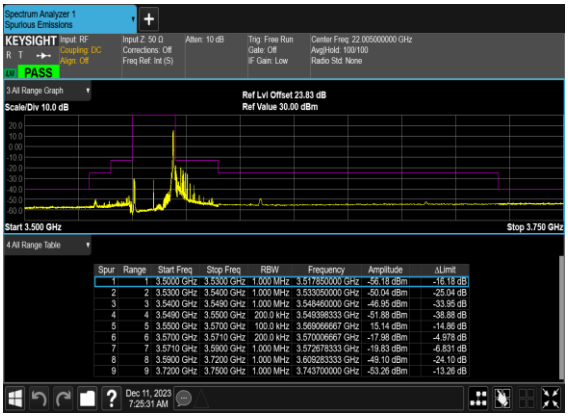
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



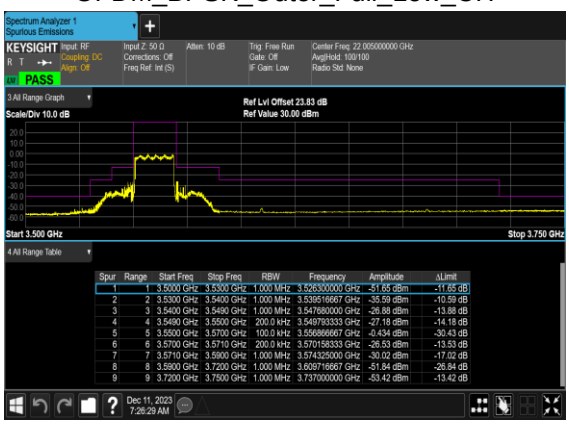
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Low_CH



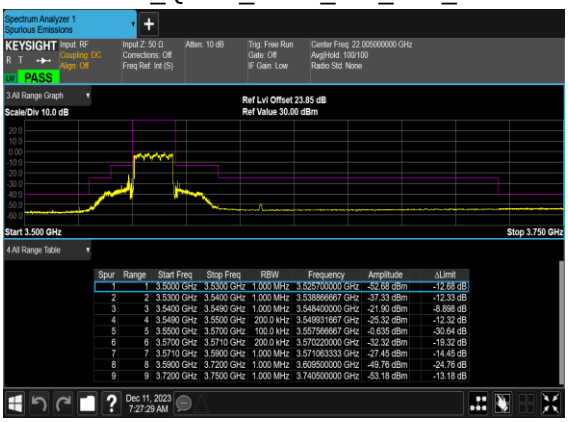
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH



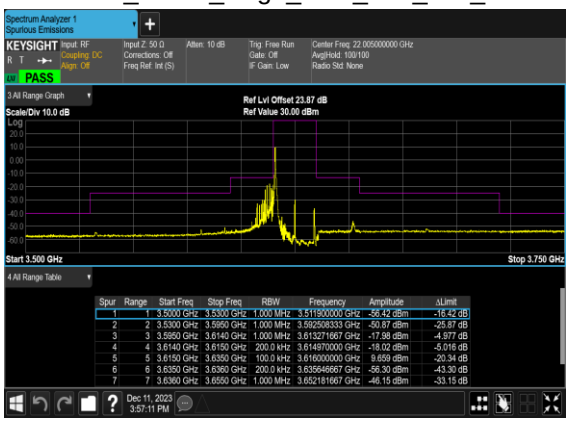
N48(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



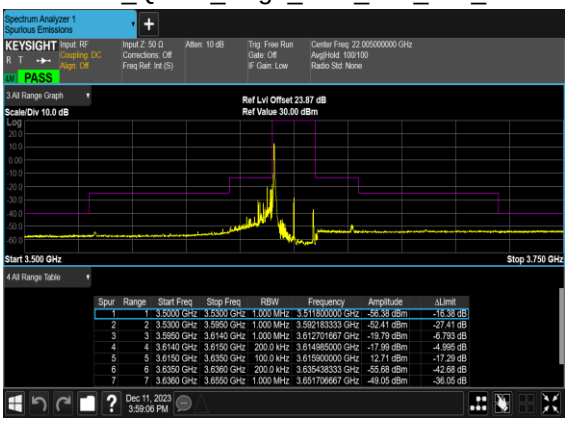
N48(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



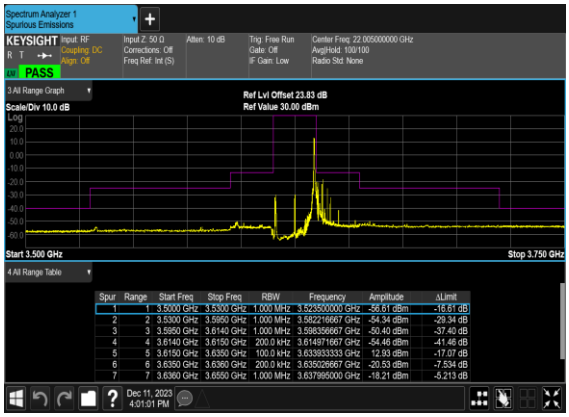
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



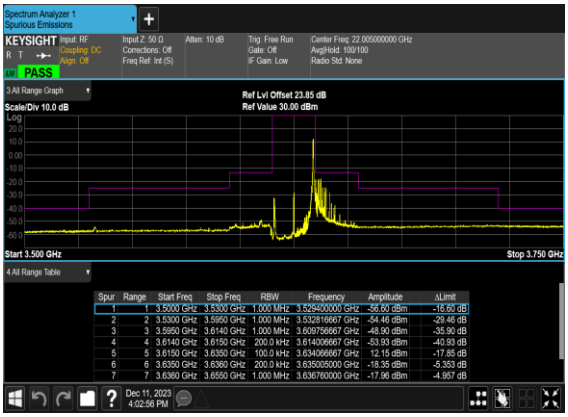
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



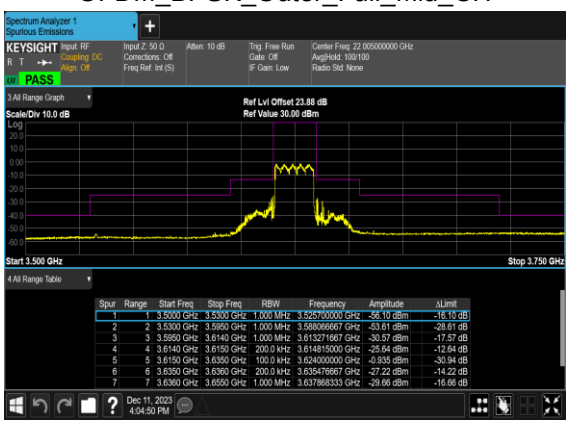
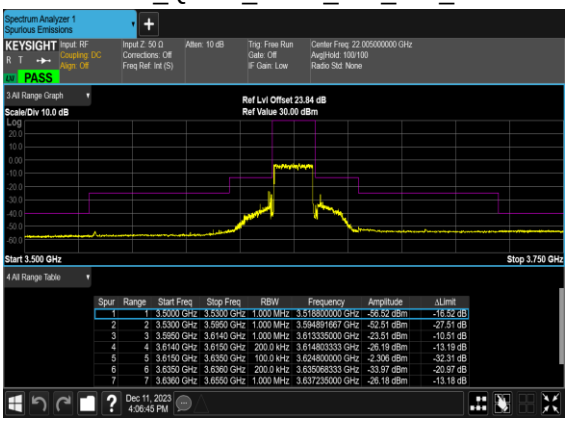
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



N48(20M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



N48(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH