FCC RF Test Report

APPLICANT	:	Fibocom Wireless Inc.
EQUIPMENT	:	5G Dongle
BRAND NAME	:	Fibocom
MODEL NAME	:	ST151L-GL
FCC ID	:	ZMOST151LGL
STANDARD	:	47 CFR Part 27 Subpart O (3700-3980MHz)
CLASSIFICATION	:	PCS Licensed Transmitter (PCB)
TEST DATE(S)	:	Mar. 12, 2026 ~ Mar 23, 2026

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.

Fly Liang

Approved by: Fly Liang

ACCREDITED
Cert #5145.01

Sporton International Inc. (ShenZhen)

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People's Republic of China

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APPENDIX A. TEST RESULTS OF CONDUCTED TEST

APPENDIX B. TEST RESULTS OF RADIATED TEST

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG620905-01P	Rev. 01	Initial issue of report	May 19, 2026

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§27.50(j)(3)	Equivalent Isotropic Radiated Power (5G NR n77, n78)	EIRP < 1Watt		
3.5	§27.50(j)(4)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	Reporting Only	PASS	-
3.7	§2.1051 §27.53(l)(2)	Conducted Band Edge Measurement (5G NR n77, n78)	< 43+10log10(P[Watts])	PASS	-
3.8	§2.1051 §27.53(l)(2)	Conducted Spurious Emission (5G NR n77, n78)	< 43+10log10(P[Watts])	PASS	-
3.9	§27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §27.53(l)(2)	Radiated Spurious Emission (5G NR n77, n78)	< 43+10log$_{10}$(P[Watts])	PASS	Under limit 19.56 dB at 7584.00 MHz

Note: This is a variant report. The change note could be referred to the Product Equality Declaration which is exhibit separately. Since the differences have no influence on the test results, all the test results are leveraged from original report (Sporton Report Number FG620905P).

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

Fibocom Wireless Inc.
1101,Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan,Shenzhen, China.

1.2 Manufacturer

Fibocom Wireless Inc.
1101,Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan,Shenzhen, China.

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	5G Dongle
Brand Name	Fibocom
Model Name	ST151L-GL
FCC ID	ZMOST151LGL
SN Code	Conducted : ZR60SB002P/ZR60SG003K Radiation : 2eab4f45
EUT Stage	Production Unit

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency	5G NR n77: 3700 MHz ~ 3980 MHz 5G NR n78: 3700 MHz ~ 3800 MHz
SCS	30kHz
Bandwidth	n7720 / 30 / 40 / 60 / 80 / 100MHz n78: 20 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100MHz
Antenna Gain	<Ant. 2>: 5G NR n77/n78: 1.35 dBi <Ant. 0>: 5G NR n77/n78: 1.35 dBi <Ant. 1>: 5G NR n77/n78: 1.35 dBi <Ant. 3>: 5G NR n77/n78: 1.35 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 are shown in the report, 5G NR n77/n78 for Ant. 2.
2. 5G NR n77/n78 support SA and NSA mode. The whole testing has assessed SA mode by referring to the higher conducted power for conducted test items.
3. The device supports HPUE(PC2) 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 and Emission Designator

5G NR n77 SA		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	3710.01 ~ 3969.99	0.4592	18M2G7D	0.3767	18M3W7D
30	3715.02 ~ 3964.98	0.4656	27M9G7D	0.3750	27M9W7D
40	3720.00 ~ 3960.00	0.4667	37M9G7D	0.3776	38M0W7D
60	3730.02 ~ 3949.98	0.4613	58M0G7D	0.3715	58M0W7D
80	3740.01 ~ 3939.99	0.4539	77M6G7D	0.3589	77M6W7D
100	3750.00 ~ 3930.00	0.4721	97M6G7D	0.3793	97M9W7D

5G NR n78 SA		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	3710.01 ~ 3789.99	0.4436	18M2G7D	0.3524	18M3W7D
30	3715.02 ~ 3784.98	0.4457	27M9G7D	0.3508	27M9W7D
40	3720.00 ~ 3780.00	0.4539	37M9G7D	0.3606	38M0W7D
50	3725.01 ~ 3774.99	0.4188	47M5G7D	0.3459	47M5W7D
60	3730.02 ~ 3769.98	0.4111	58M0G7D	0.3715	58M0W7D
70	3735.00 ~ 3765.00	0.4121	67M6G7D	0.3350	67M4W7D
80	3740.01 ~ 3759.99	0.4188	77M6G7D	0.3319	77M6W7D
90	3745.02 ~ 3754.98	0.4188	87M5G7D	0.3350	87M6W7D
100	3750.00 ~ 3750.00	0.4550	97M6G7D	0.3681	97M9W7D

Note:

1. 5G NR n77 overlaps the entire frequency range of n78, and n77 power > n78 power, therefore the conducted test results of n77 provided in this report cover n78 except BW 50MHz/70MHz/90MHz.
2. All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.

1.7 Testing Location

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

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

1.8 Test Software

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

1.9 Applicable Standards

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

- 47 CFR Part 27
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

All test items were verified and recorded according to the standards and without any deviation during the test.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

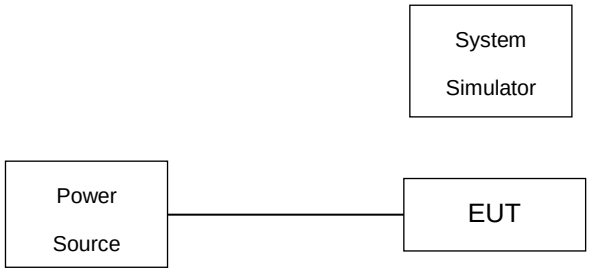
For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.

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.

Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane

Test Items	5G NR	Bandwidth (MHz)										Modulation					RB #		Test Channel		
		15	20	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256 QAM	1	Full	L	M	H
Max. Output Power	n77	-	v	v	v	-	v	-	v	-	v	v	v	v	v	v	v	v	v	v	v
	n78	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	n77	-	v			-		-		-		v	v					v		v	
26dB and 99% Bandwidth	n77	-	v	v	v	-	v	-	v	-	v		v	v	v	v		v		v	
	n78	-				v		v		v			v	v	v	v		v		v	
Conducted Band Edge	n77	-	v		v	-		-		-	v	v	v				v	v	v		v
	n78	-				v		v		v		v	v				v	v	v		v
Conducted Spurious Emission	n77	-	v		v	-		-		-	v	v	v				v		v	v	v
	n78	-				v		v		v		v	v				v		v	v	v
Frequency Stability	n77	-		v									v					v		v	
E.I.R.P	n77	-	v	v	v	-	v	-	v	-	v	v	v	v	v	v	v	v	v	v	v
	n78	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	n77	Worst Case																		v	
	n78	Worst Case																		v	
Note	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. Frequency Stability : Normal Voltage = 3.85V; Low Voltage =3.5V; High Voltage =4.45V.																				

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.	DC Power Supply	GW	GPS-3030D	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
3.	NR Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

Offset = RF cable loss +.

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

Example :

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

= 8.9 (dB)

2.5 Frequency List of Low/Middle/High Channels

5G n77 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	650000	656000	662000
	Frequency	3750	3840	3930
80	Channel	649334	656000	662666
	Frequency	3740.01	3840	3939.99
60	Channel	648668	656000	663332
	Frequency	3730.02	3840	3949.98
40	Channel	648000	656000	664000
	Frequency	3720	3840	3960
30	Channel	647668	656000	664332
	Frequency	3715.02	3840	3964.98
20	Channel	647334	656000	664666
	Frequency	3710.01	3840	3969.99

5G n78 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	650000		
	Frequency	3750		
90	Channel	649668	650000	650332
	Frequency	3745.02	3750	3754.98
80	Channel	649334	650000	650666
	Frequency	3740.01	3750	3759.99
70	Channel	649000	650000	651000
	Frequency	3735	3750	3765
60	Channel	648668	650000	651332
	Frequency	3730.02	3750	3769.98
50	Channel	648334	650000	651666
	Frequency	3725.01	3750	3774.99
40	Channel	648000	650000	652000
	Frequency	3720	3750	3780
30	Channel	647668	650000	652332
	Frequency	3715.02	3750	3784.98
25	Channel	647500	650000	652500
	Frequency	3712.5	3750	3787.5
20	Channel	647334	650000	652666
	Frequency	3710.01	3750	3789.99

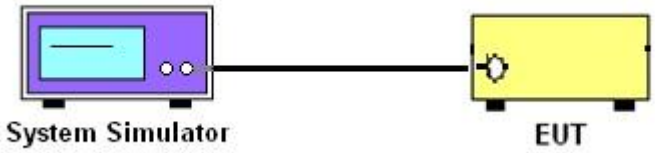
3 Conducted Test Items

3.1 Measuring Instruments

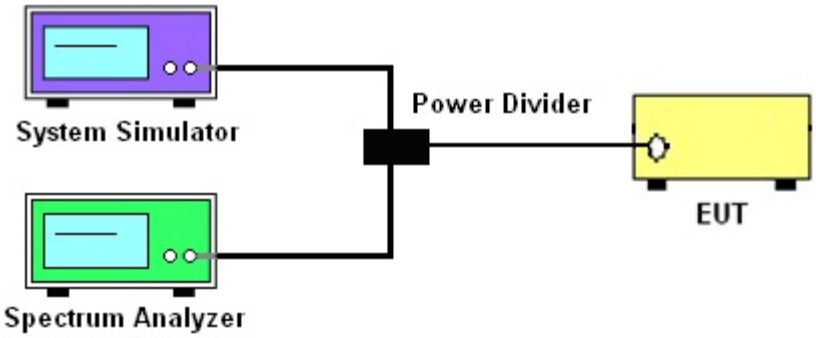
See list of measuring instruments of this test report.

3.2 Test Setup

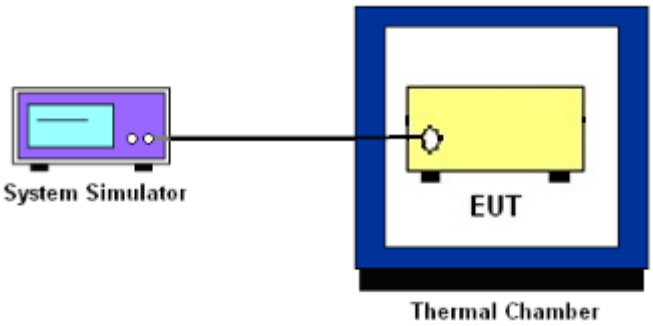
3.2.1 Conducted Output Power



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



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and EIRP

3.4.1 Description of the Conducted Output Power Measurement and EIRP Measurement

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

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n77, n78.

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.4.2 Test Procedures

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

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.5.2 Test Procedures

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

3.6 Occupied Bandwidth

3.6.1 Description of Occupied Bandwidth Measurement

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

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

3.6.2 Test Procedures

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

3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

27.53(l)(2)

For mobile operations in the 3700-3980 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, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 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.

3.7.2 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 in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used or a narrower RBW was used (generally limited to no less than 1% of the OBW) and the measured power was integrated over the full required measurement bandwidth.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.

   Example:

   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

   = P(W)- [43 + 10log(P)] (dB)

   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.
9. When using the integration method, the starting frequency of the integration shall be centered at one-half of the RBW away from the band edge.

3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

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

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

3.8.2 Test Procedures

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

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

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

3.9.2 Test Procedures for Temperature Variation

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

3.9.3 Test Procedures for Voltage Variation

1. The testing follows ANSI C63.26 section 5.6.5
2. The EUT was placed in a temperature chamber at 20±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.

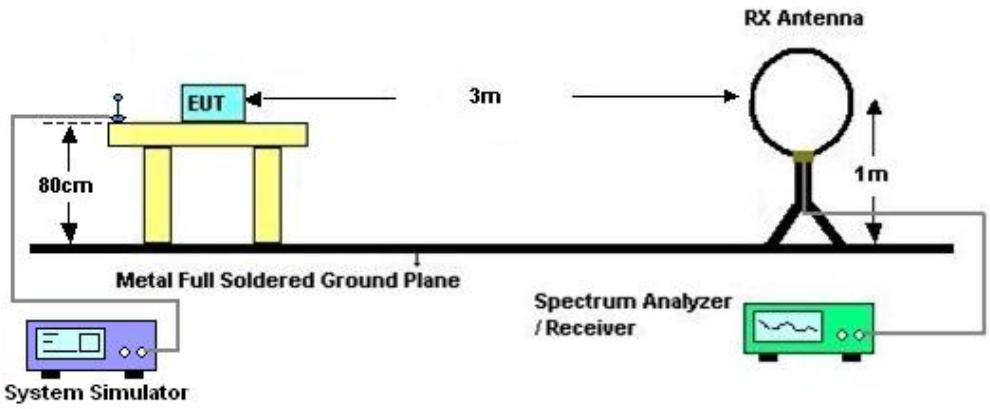
4 Radiated Test Items

4.1 Measuring Instruments

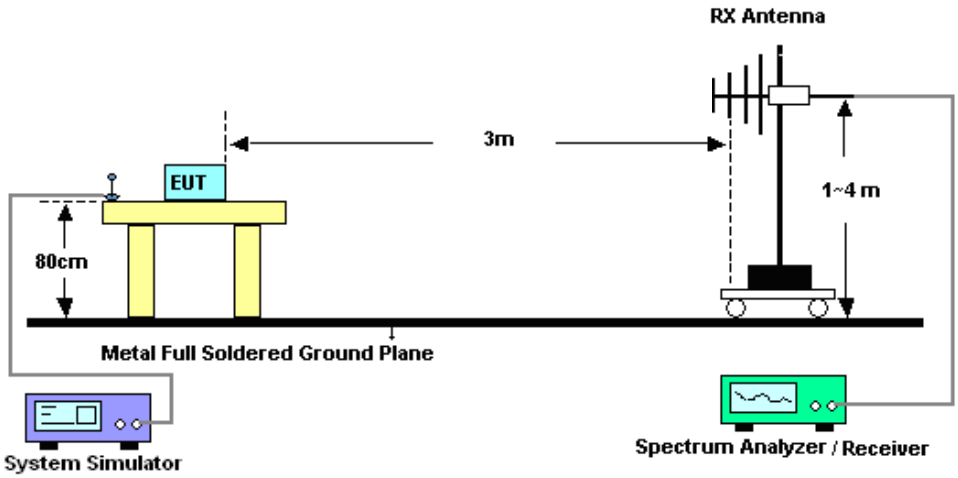
See list of measuring instruments of this test report.

4.2 Test Setup

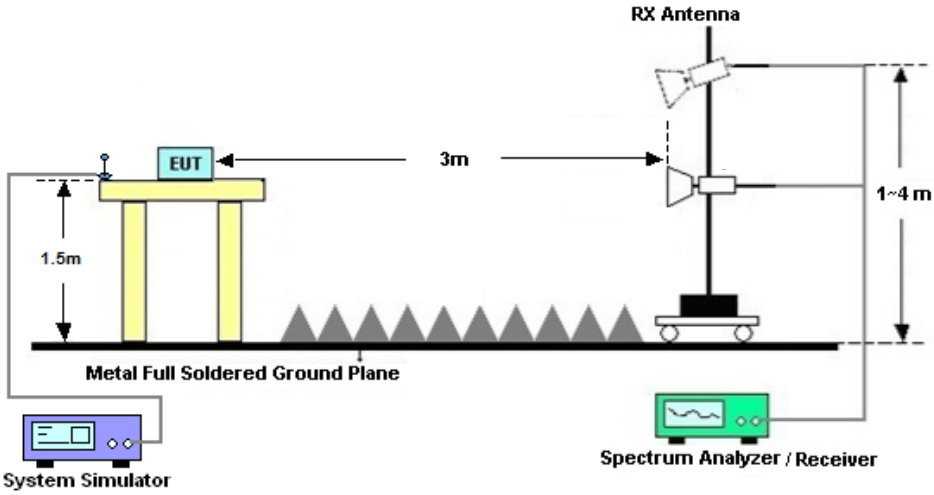
4.2.1 For radiated test below 30MHz



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

4.4.1 Description of Radiated Spurious Emission

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

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

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
11. ERP (dBm) = EIRP - 2.15
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
    The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 02, 2025	Mar. 19, 2026~ Mar. 23, 2026	Apr. 01, 2026	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V，3A	Oct.13, 2025	Mar. 19, 2026~ Mar. 23, 2026	Oct. 12, 2026	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 24, 2025	Mar. 19, 2026~ Mar. 23, 2026	Dec. 23, 2026	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 02, 2025	Mar. 19, 2026~ Mar. 23, 2026	Jul. 01, 2026	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2025	Mar. 12, 2026	Jul. 02, 2026	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 25, 2025	Mar. 12, 2026	Dec. 24, 2026	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Dec. 23, 2025	Mar. 12, 2026	Dec. 22, 2027	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2025	Mar. 12, 2026	Jul. 04, 2026	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 03, 2025	Mar. 12, 2026	Jul. 03, 2026	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 03, 2025	Mar. 12, 2026	Apr. 02, 2027	Radiation (03CH02-SZ)
LF Amplifier	EM Electronics	EM330	060788	20MHz-3GHz	Dec. 25, 2025	Mar. 12, 2026	Dec. 24, 2026	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 13, 2025	Mar. 12, 2026	Oct. 12, 2026	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 13, 2025	Mar. 12, 2026	Oct. 12, 2026	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Mar. 12, 2026	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Mar. 12, 2026	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 ~ 1 GHz)

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 :	Nina Cheng	**Temperature :**	24~26℃
		Relative Humidity :	50~53%

Software Version: 23.06.1602

FR1 N77_ANT2

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=1.35 dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	25@12	25.13	26.48	0.4446
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	25.13	26.48	0.4446
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@49	25	26.35	0.4315
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	25@12	24.05	25.4	0.3467
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	24.31	25.66	0.3681
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@49	24.18	25.53	0.3573
77	30	20	656000	3840	DFT-s-OFDM QPSK	25@12	24.89	26.24	0.4207
77	30	20	656000	3840	DFT-s-OFDM QPSK	1@1	25.27	26.62	0.4592
77	30	20	656000	3840	DFT-s-OFDM QPSK	1@49	24.6	25.95	0.3936
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	25@12	23.92	25.27	0.3365
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.29	25.64	0.3664
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	1@49	23.66	25.01	0.3170
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	25@12	25.24	26.59	0.4560
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@1	25.24	26.59	0.4560
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@49	25.27	26.62	0.4592
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	25@12	24.38	25.73	0.3741
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@1	24.34	25.69	0.3707
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@49	24.41	25.76	0.3767
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	36@18	25.08	26.43	0.4395
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	25.25	26.6	0.4571
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@76	25.04	26.39	0.4355
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	36@18	24.02	25.37	0.3443
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	24.25	25.6	0.3631
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@76	24.18	25.53	0.3573
77	30	30	656000	3840	DFT-s-OFDM QPSK	36@18	24.89	26.24	0.4207
77	30	30	656000	3840	DFT-s-OFDM QPSK	1@1	25.33	26.68	0.4656
77	30	30	656000	3840	DFT-s-OFDM QPSK	1@76	24.45	25.8	0.3802
77	30	30	656000	3840	DFT-s-OFDM 16 QAM	36@18	23.99	25.34	0.3420
77	30	30	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.39	25.74	0.3750
77	30	30	656000	3840	DFT-s-OFDM 16 QAM	1@76	23.84	25.19	0.3304
77	30	30	664332	3964.98	DFT-s-OFDM QPSK	36@18	25.23	26.58	0.4550
77	30	30	664332	3964.98	DFT-s-OFDM QPSK	1@1	25.29	26.64	0.4613
77	30	30	664332	3964.98	DFT-s-OFDM QPSK	1@76	25.1	26.45	0.4416
77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	36@18	24.3	25.65	0.3673
77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	1@1	24.28	25.63	0.3656

77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	1@76	24.19	25.54	0.3581
77	30	40	648000	3720	DFT-s-OFDM QPSK	50@25	24.95	26.3	0.4266
77	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	25.07	26.42	0.4385
77	30	40	648000	3720	DFT-s-OFDM QPSK	1@104	24.99	26.34	0.4305
77	30	40	648000	3720	DFT-s-OFDM 16 QAM	50@25	24.1	25.45	0.3508
77	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	24.12	25.47	0.3524
77	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@104	23.9	25.25	0.3350
77	30	40	656000	3840	DFT-s-OFDM QPSK	50@25	24.98	26.33	0.4295
77	30	40	656000	3840	DFT-s-OFDM QPSK	1@1	24.89	26.24	0.4207
77	30	40	656000	3840	DFT-s-OFDM QPSK	1@104	24.84	26.19	0.4159
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	50@25	23.91	25.26	0.3357
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.92	25.27	0.3365
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	1@104	23.94	25.29	0.3381
77	30	40	664000	3960	DFT-s-OFDM QPSK	50@25	25.34	26.69	0.4667
77	30	40	664000	3960	DFT-s-OFDM QPSK	1@1	25.32	26.67	0.4645
77	30	40	664000	3960	DFT-s-OFDM QPSK	1@104	25.13	26.48	0.4446
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	50@25	24.42	25.77	0.3776
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	1@1	24.32	25.67	0.3690
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	1@104	24.19	25.54	0.3581
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	81@40	24.82	26.17	0.4140
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	24.71	26.06	0.4036
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@160	24.68	26.03	0.4009
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	81@40	23.87	25.22	0.3327
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	23.9	25.25	0.3350
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@160	23.84	25.19	0.3304
77	30	60	656000	3840	DFT-s-OFDM QPSK	81@40	24.63	25.98	0.3963
77	30	60	656000	3840	DFT-s-OFDM QPSK	1@1	24.68	26.03	0.4009
77	30	60	656000	3840	DFT-s-OFDM QPSK	1@160	24.94	26.29	0.4256
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	81@40	23.67	25.02	0.3177
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.64	24.99	0.3155
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@160	23.99	25.34	0.3420
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	81@40	25.21	26.56	0.4529
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@1	25.26	26.61	0.4581
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@160	25.29	26.64	0.4613
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	81@40	24.19	25.54	0.3581
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@1	24.3	25.65	0.3673
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@160	24.35	25.7	0.3715
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	108@54	24.69	26.04	0.4018
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	24.76	26.11	0.4083
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@215	24.54	25.89	0.3882
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	108@54	23.64	24.99	0.3155
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	23.82	25.17	0.3289

77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@215	23.56	24.91	0.3097
77	30	80	656000	3840	DFT-s-OFDM QPSK	108@54	24.61	25.96	0.3945
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@1	24.56	25.91	0.3899
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@215	24.94	26.29	0.4256
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	108@54	23.64	24.99	0.3155
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.69	25.04	0.3192
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@215	24.06	25.41	0.3475
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	108@54	25.02	26.37	0.4335
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@1	25.2	26.55	0.4519
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@215	25.22	26.57	0.4539
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	108@54	24.02	25.37	0.3443
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@1	24.2	25.55	0.3589
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@215	24.2	25.55	0.3589
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	24.85	26.2	0.4169
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.05	26.4	0.4365
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	24.71	26.06	0.4036
77	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	24.83	26.18	0.4150
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	25.02	26.37	0.4335
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	24.68	26.03	0.4009
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	23.85	25.2	0.3311
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.17	25.52	0.3565
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	23.77	25.12	0.3251
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	22.36	23.71	0.2350
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.55	23.9	0.2455
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	22.21	23.56	0.2270
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	20.4	21.75	0.1496
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.47	21.82	0.1521
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	20.15	21.5	0.1413
77	30	100	650000	3750	CP-OFDM QPSK	137@68	23.44	24.79	0.3013
77	30	100	650000	3750	CP-OFDM QPSK	1@1	23.41	24.76	0.2992
77	30	100	650000	3750	CP-OFDM QPSK	1@271	23.14	24.49	0.2812
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	135@67	24.91	26.26	0.4227
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	24.9	26.25	0.4217
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@271	25.01	26.36	0.4325
77	30	100	656000	3840	DFT-s-OFDM QPSK	135@67	24.89	26.24	0.4207
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@1	24.85	26.2	0.4169
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@271	25.05	26.4	0.4365
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	135@67	23.84	25.19	0.3304
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@1	23.95	25.3	0.3388
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@271	24.04	25.39	0.3459
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	135@67	22.35	23.7	0.2344
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@1	22.34	23.69	0.2339

77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@271	22.58	23.93	0.2472
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	135@67	20.43	21.78	0.1507
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@1	20.21	21.56	0.1432
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@271	20.46	21.81	0.1517
77	30	100	656000	3840	CP-OFDM QPSK	137@68	23.41	24.76	0.2992
77	30	100	656000	3840	CP-OFDM QPSK	1@1	23.3	24.65	0.2917
77	30	100	656000	3840	CP-OFDM QPSK	1@271	23.51	24.86	0.3062
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	135@67	25.31	26.66	0.4634
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@1	25.3	26.65	0.4624
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@271	25.36	26.71	0.4688
77	30	100	662000	3930	DFT-s-OFDM QPSK	135@67	25.32	26.67	0.4645
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@1	25.25	26.6	0.4571
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@271	25.39	26.74	0.4721
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	135@67	24.3	25.65	0.3673
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@1	24.33	25.68	0.3698
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@271	24.44	25.79	0.3793
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	135@67	22.8	24.15	0.2600
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@1	22.83	24.18	0.2618
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@271	22.87	24.22	0.2642
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	135@67	20.83	22.18	0.1652
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@1	20.68	22.03	0.1596
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@271	20.71	22.06	0.1607
77	30	100	662000	3930	CP-OFDM QPSK	137@68	23.82	25.17	0.3289
77	30	100	662000	3930	CP-OFDM QPSK	1@1	23.78	25.13	0.3258
77	30	100	662000	3930	CP-OFDM QPSK	1@271	23.82	25.17	0.3289

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	13.8	**PASS**	NV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	18.1	**PASS**	LV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	9.1	**PASS**	HV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	12.1	**PASS**	-30℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	10.8	**PASS**	-20℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	16.3	**PASS**	-10℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	16.9	**PASS**	0℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	18	**PASS**	10℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	16.6	**PASS**	20℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	18.9	**PASS**	30℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	11.7	**PASS**	40℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	14.4	**PASS**	50℃

|MAX(△f)| =18.9 Hz

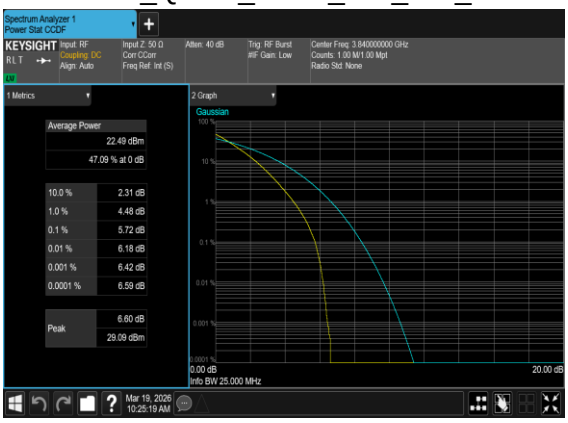
Frequency Stability	Frequency (MHz)	Limit Line	Result
f_L – |MAX(△f)|	3700.786981	≧ 3700 MHz	PASS
f_H + |MAX(△f)|	3979.051519	≦ 3980 MHz	

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	4.36	13	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	5.72	13	**PASS**

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

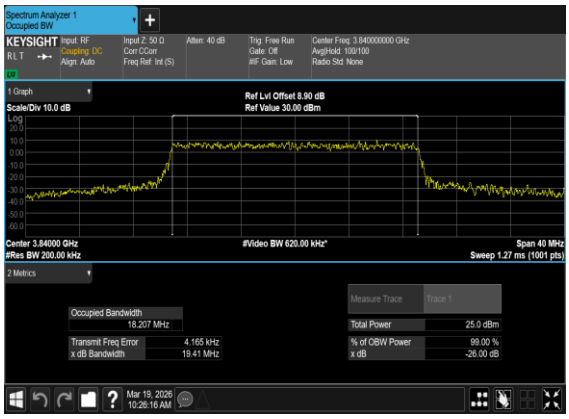
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



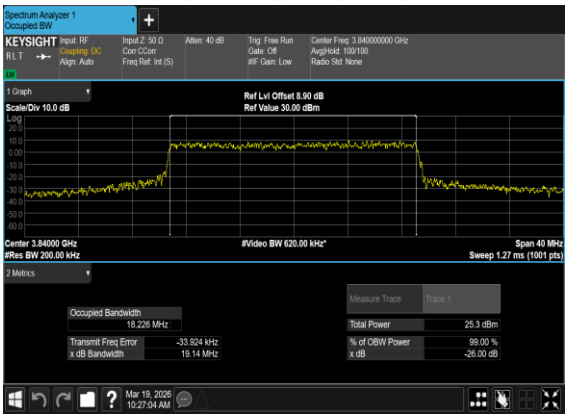
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.207	19.41
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.226	19.14
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.19	19.44
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.261	19.25
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.869	29.38
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.878	29.26
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.868	29.39
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.811	28.9
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.874	39.38
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.96	39.15
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.844	39.11
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.873	39.75
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.968	59.97
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.901	59.67
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.869	59.85
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.953	60.05
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.587	80.04
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.398	80.07
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.564	80.21
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.609	79.95
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.633	100.5
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.642	100.6
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.418	100.5
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.878	100.5

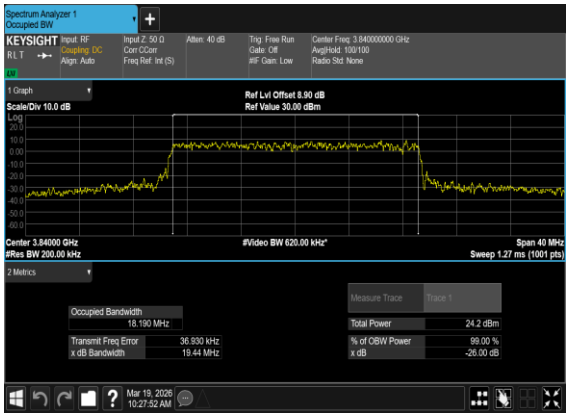
N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



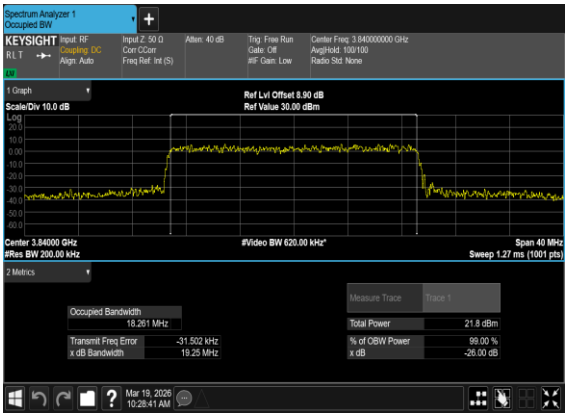
N77(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



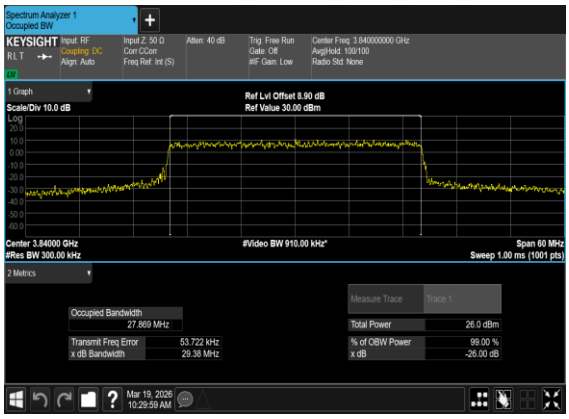
N77(20M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

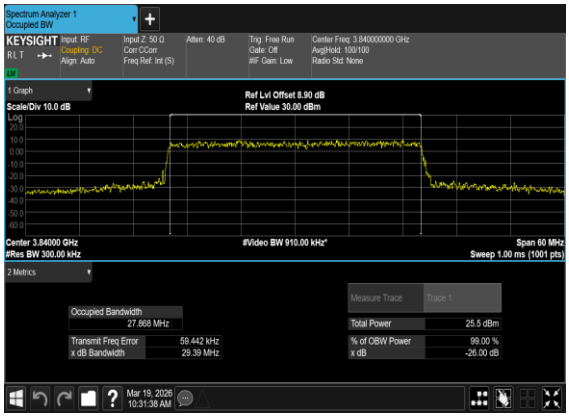


N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

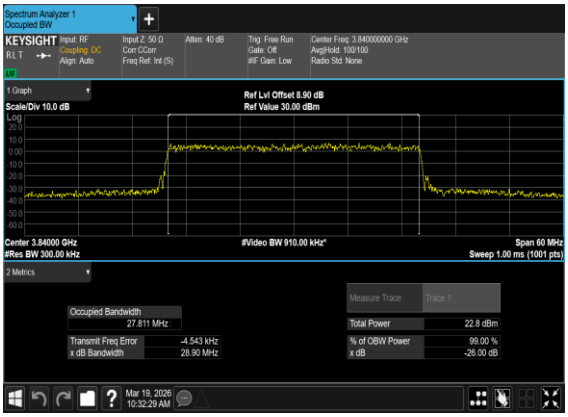


N77(30M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

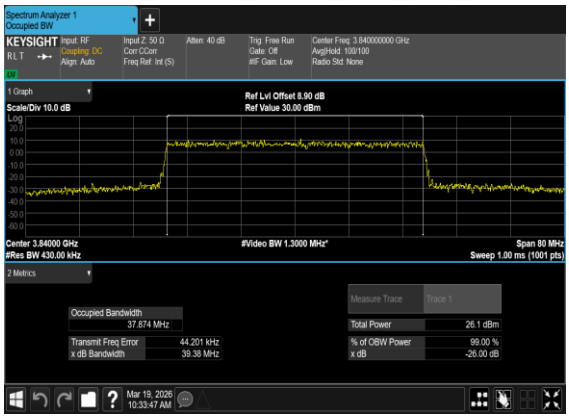
N77(30M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



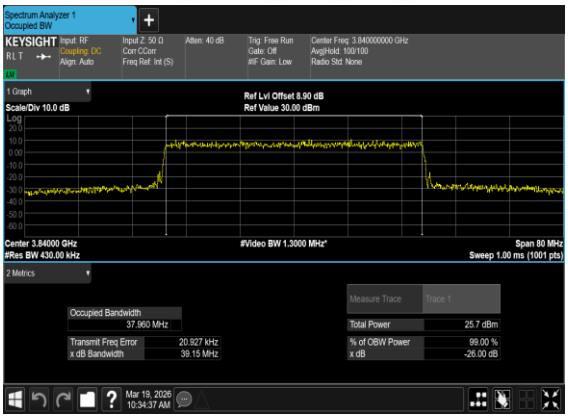
N77(30M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



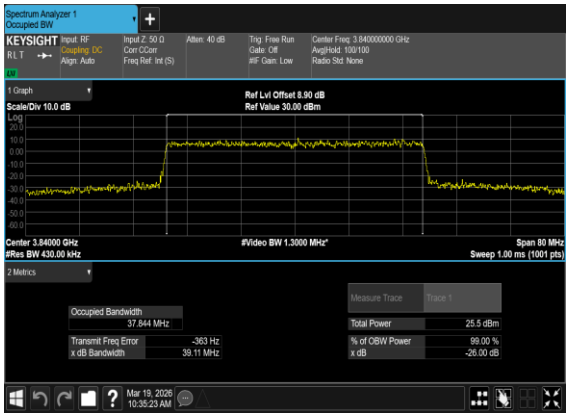
N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



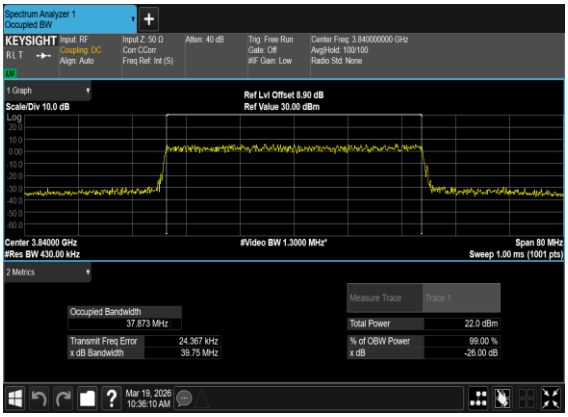
N77(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



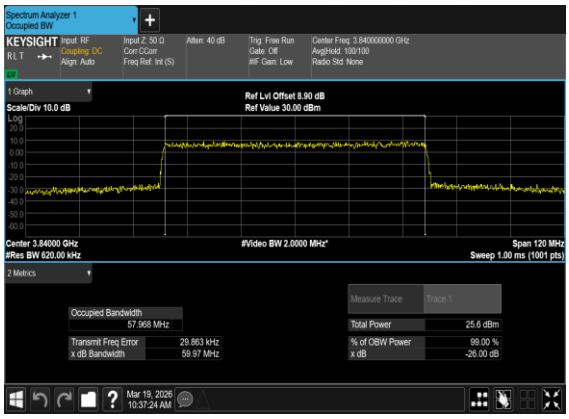
N77(40M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



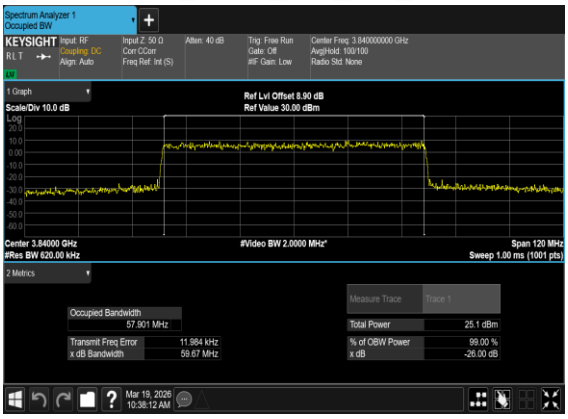
N77(40M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



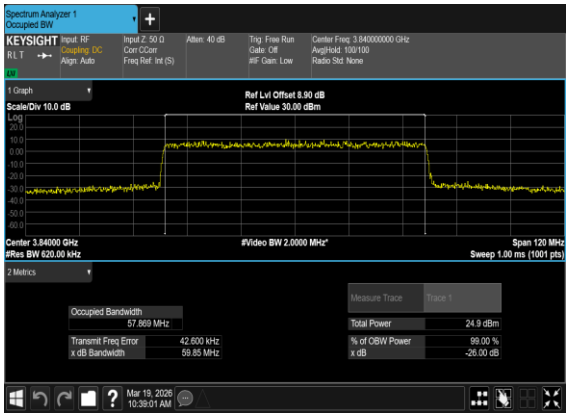
N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



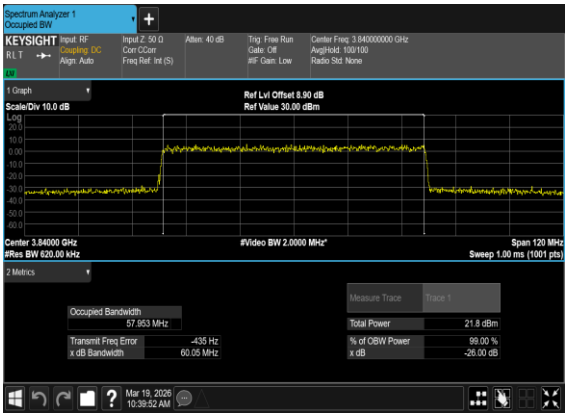
N77(60M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



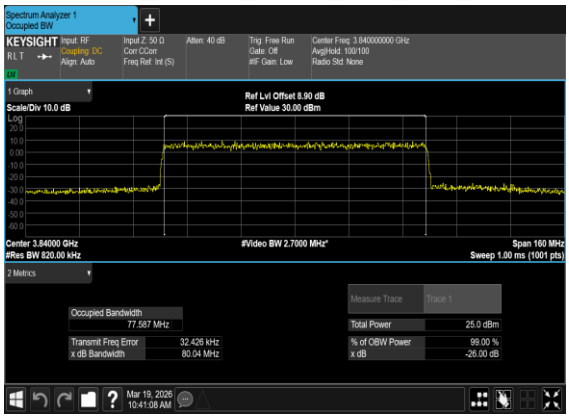
N77(60M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N77(60M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



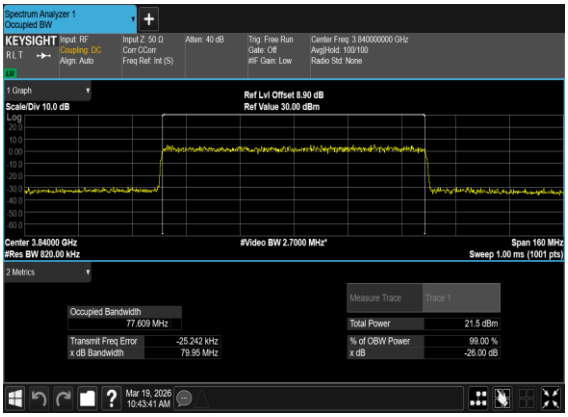
N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



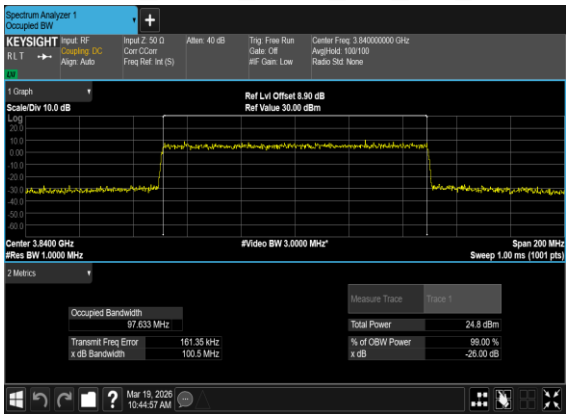
N77(80M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

N77(80M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

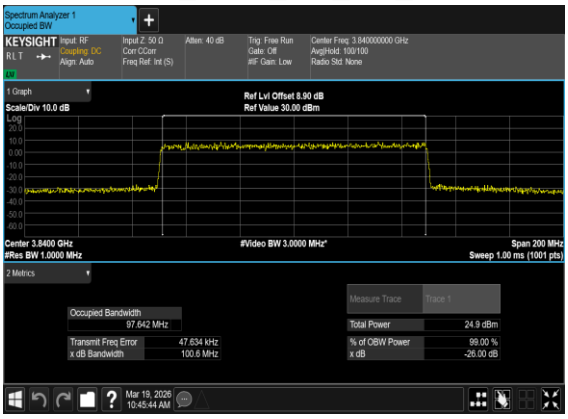
N77(80M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



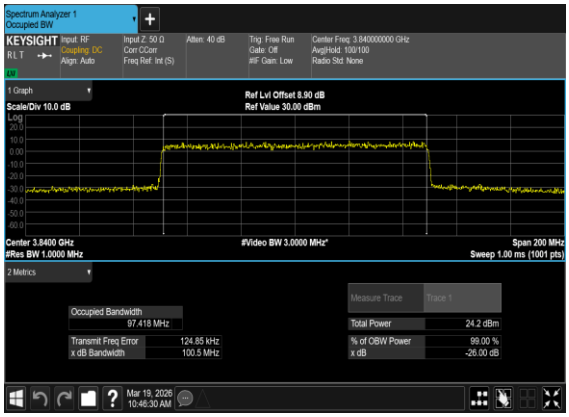
N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



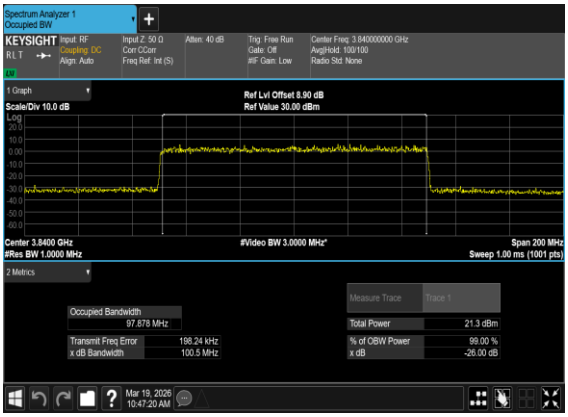
N77(100M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

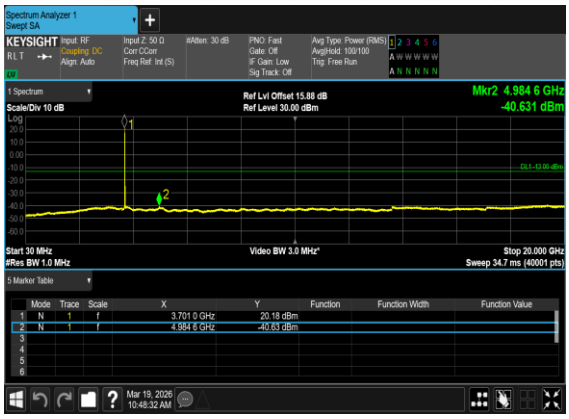


Conducted Spurious Emissions

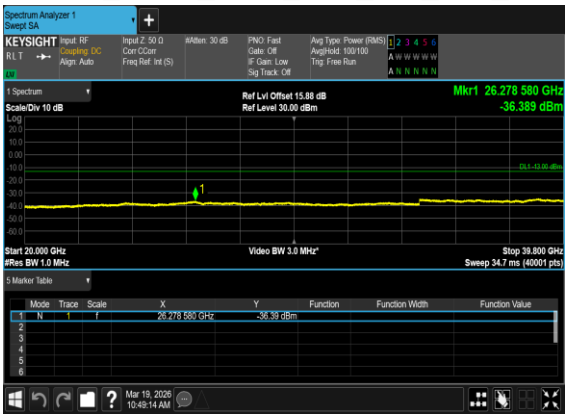
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	20	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	40	648000	3720.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	40	648000	3720.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	40	648000	3720.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	40	648000	3720.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	40	648000	3720.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	40	648000	3720.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	40	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	40	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	40	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	40	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	40	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	40	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	40	664000	3960.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	40	664000	3960.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	40	664000	3960.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	40	664000	3960.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	40	664000	3960.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

77	30	40	664000	3960.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

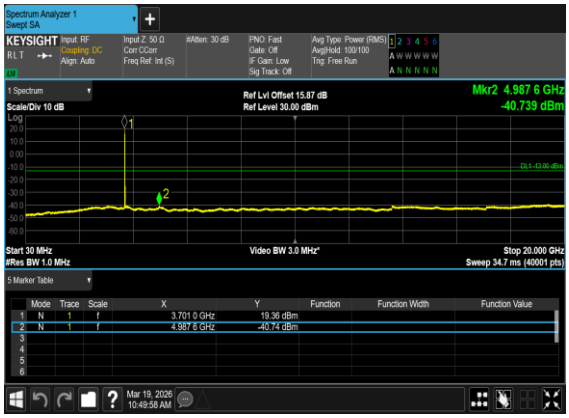
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



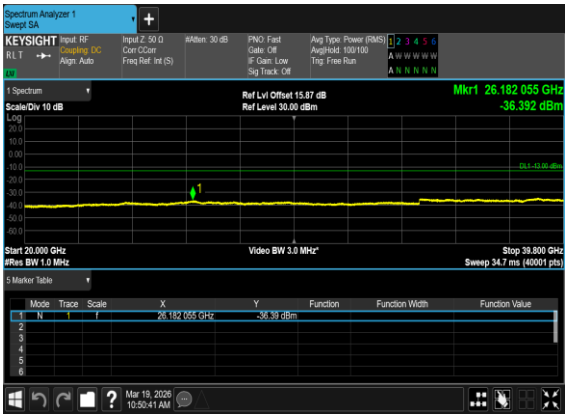
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



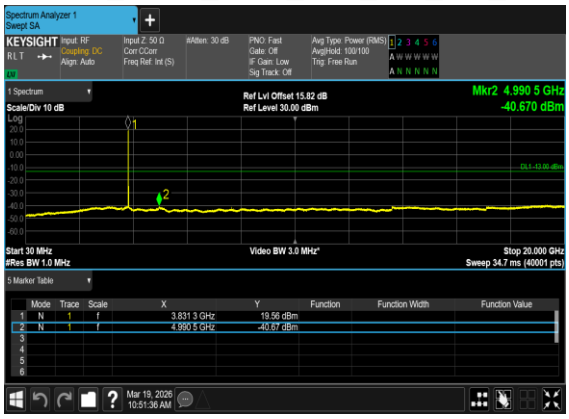
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



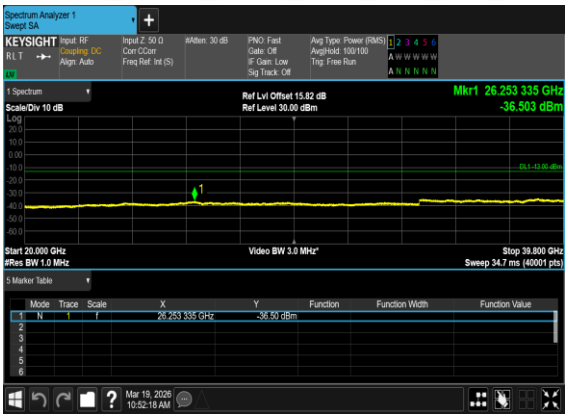
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



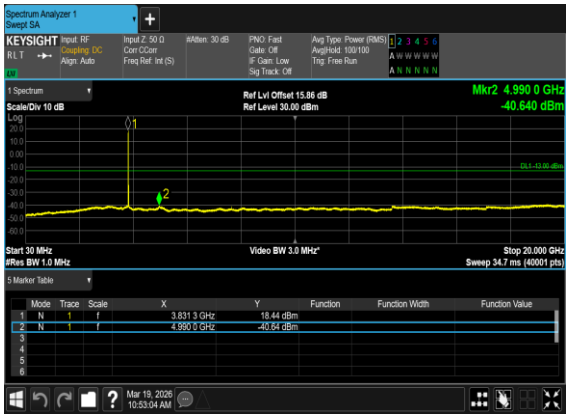
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



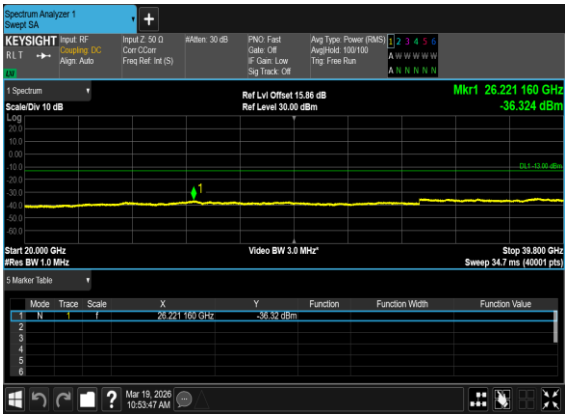
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



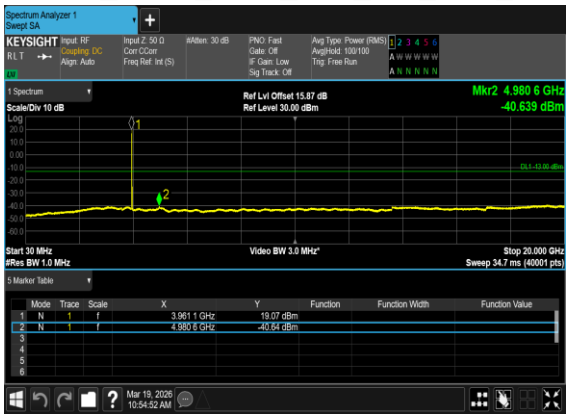
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



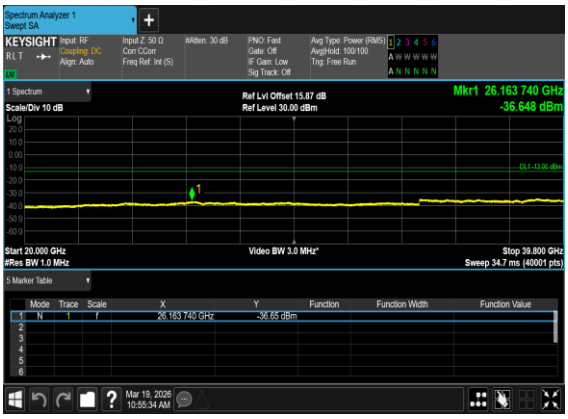
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



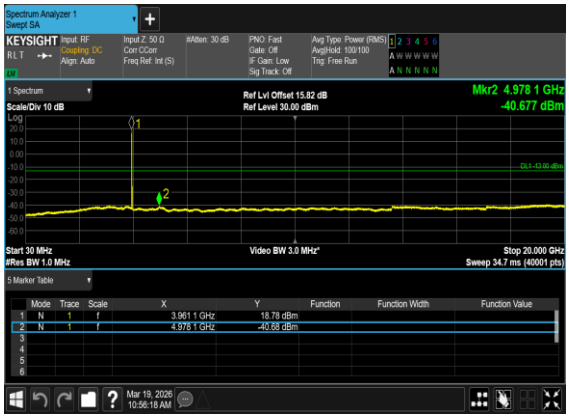
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



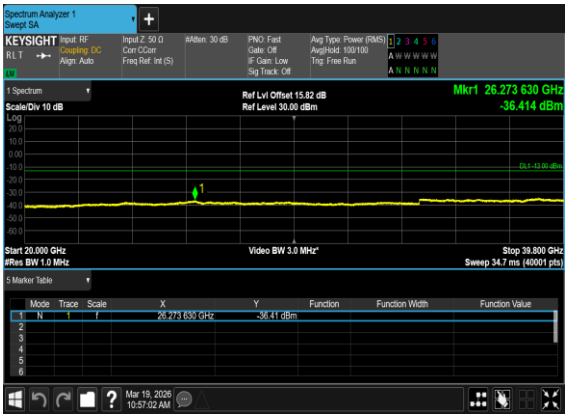
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



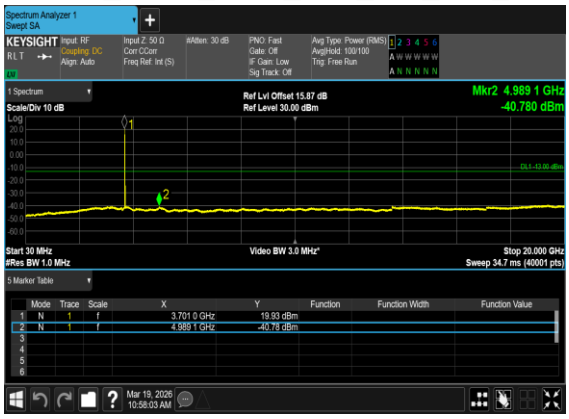
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



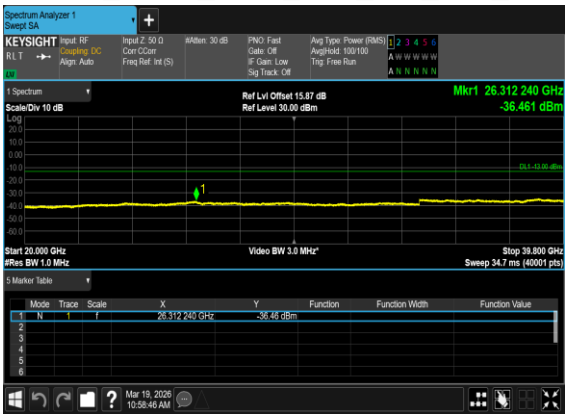
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



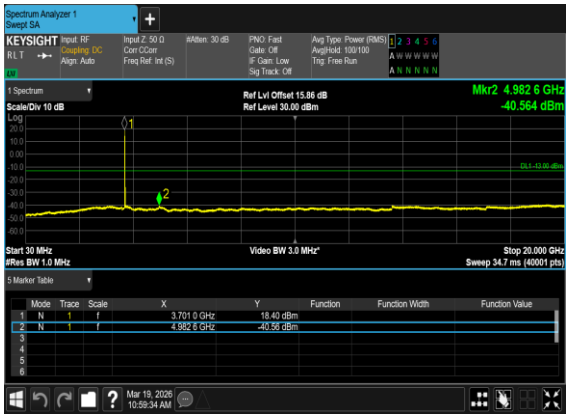
N77(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



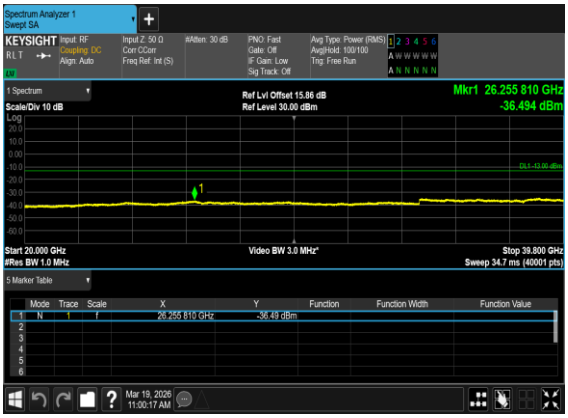
N77(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



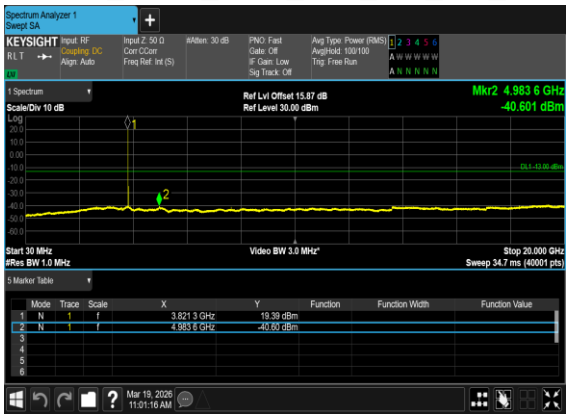
N77(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



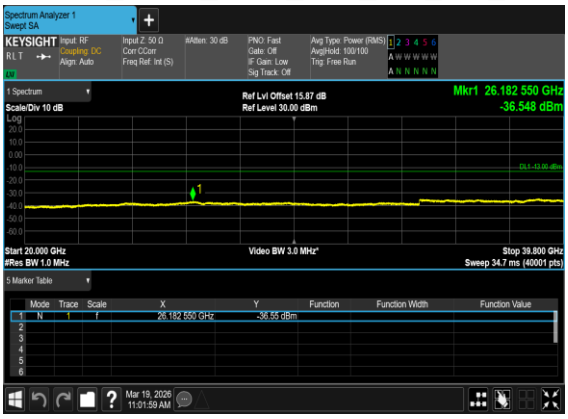
N77(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



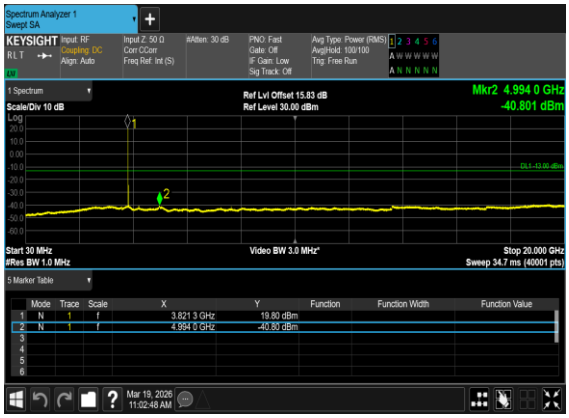
N77(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



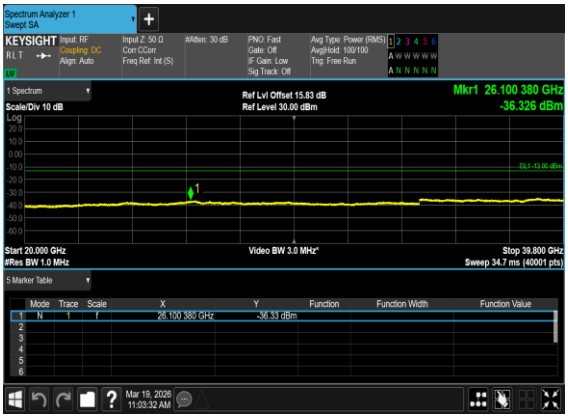
N77(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



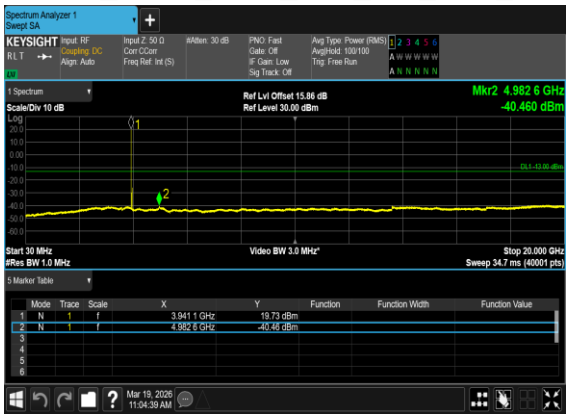
N77(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



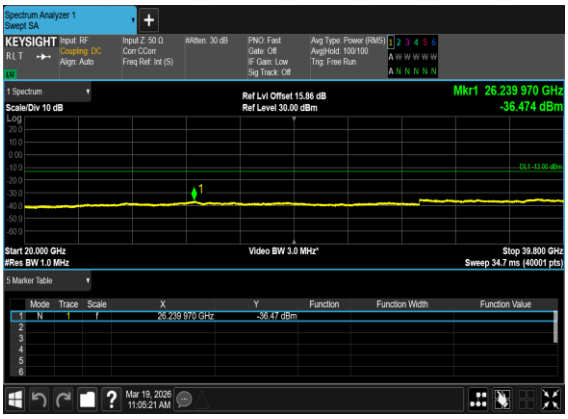
N77(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



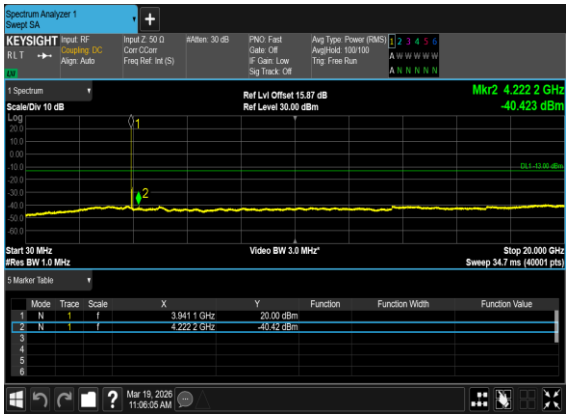
N77(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



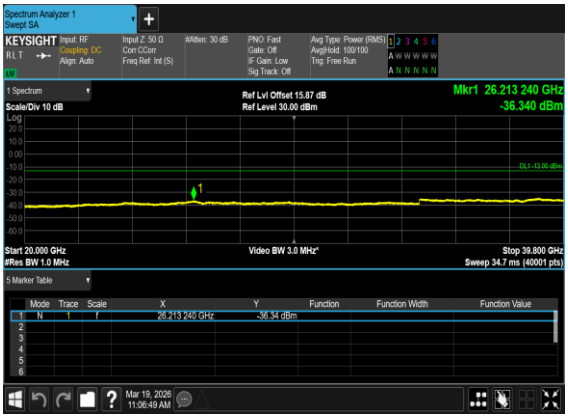
N77(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



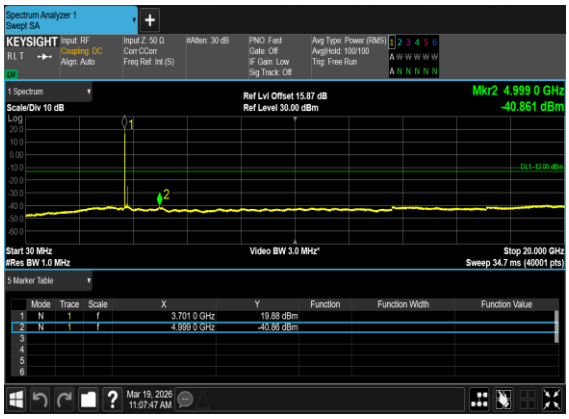
N77(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



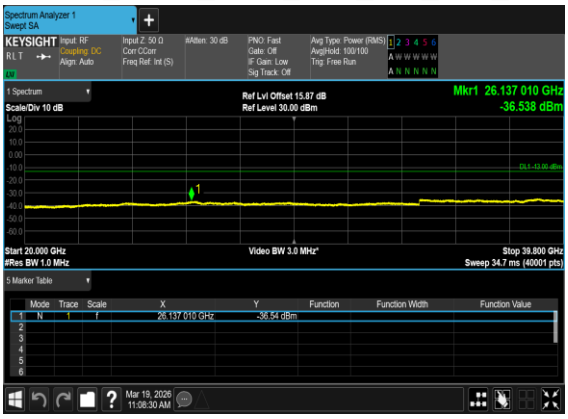
N77(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



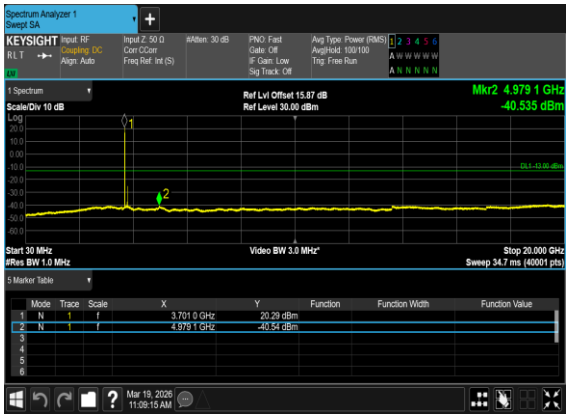
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



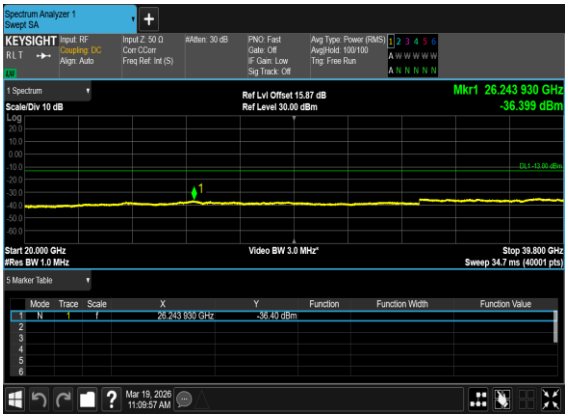
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



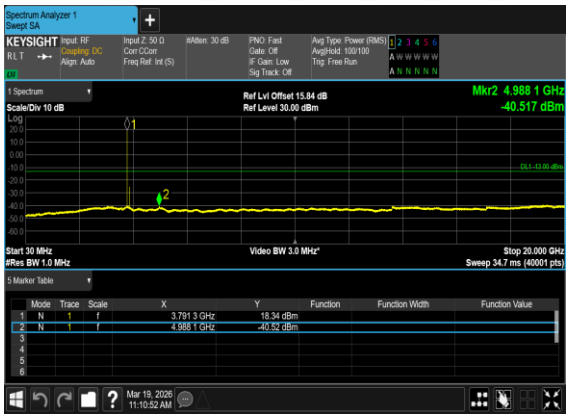
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



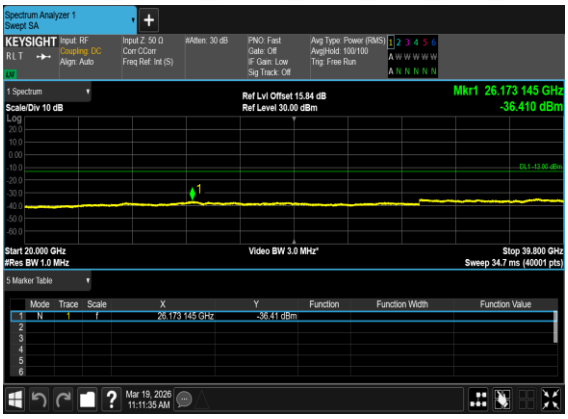
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



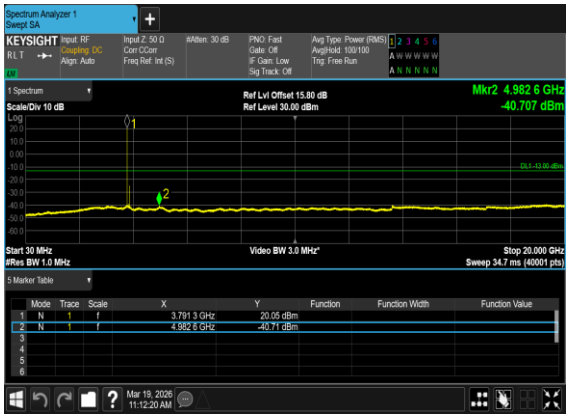
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



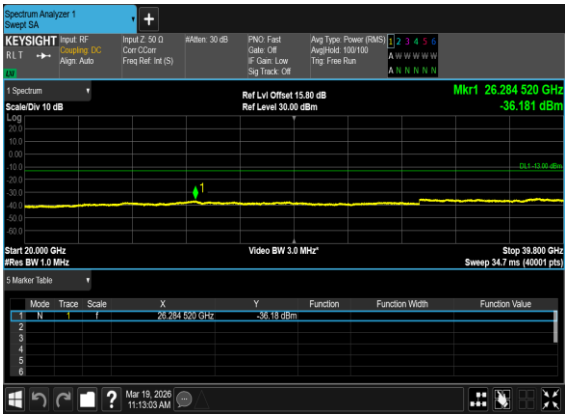
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



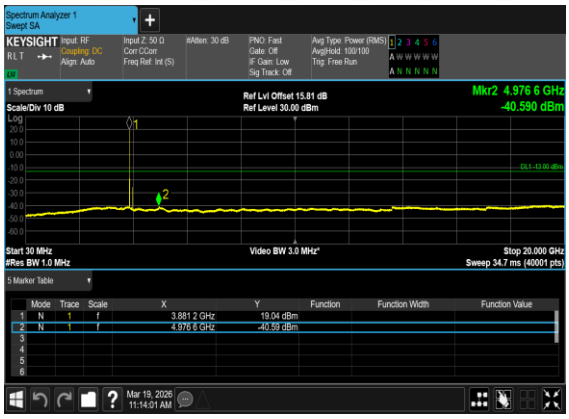
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



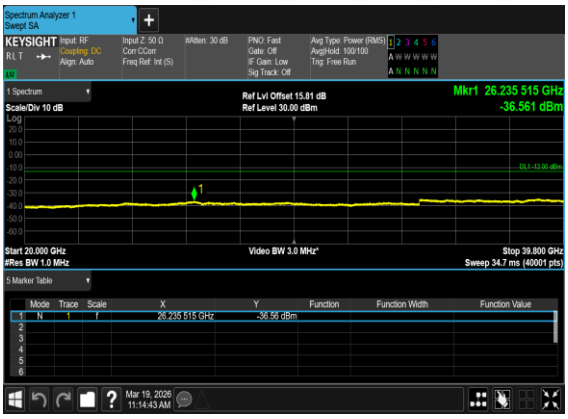
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



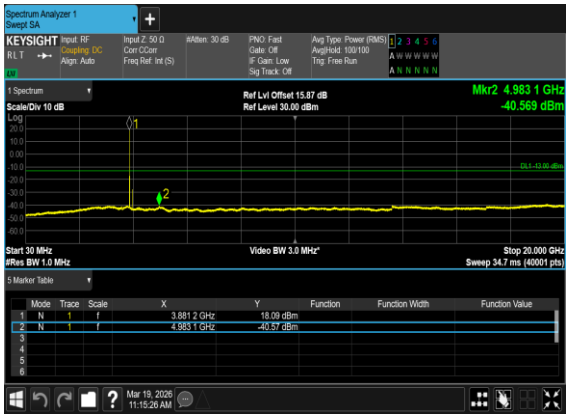
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



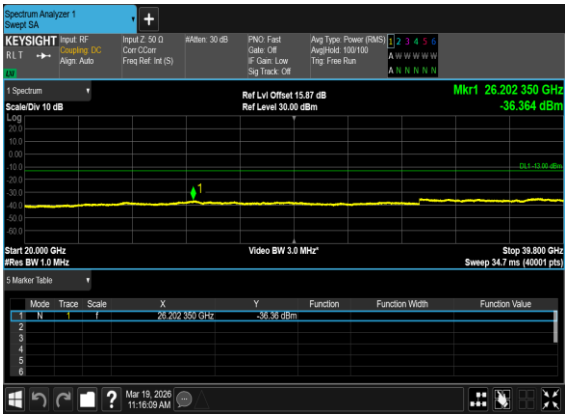
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

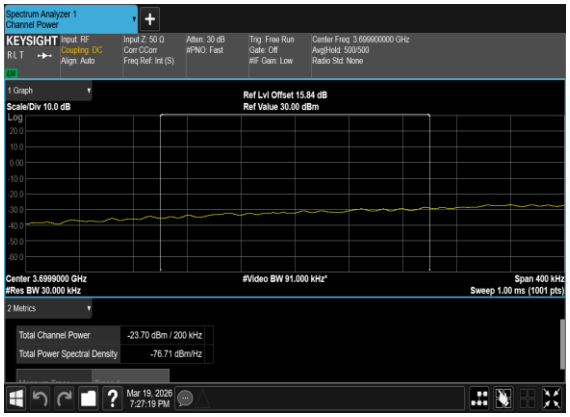


Conducted Band Edge

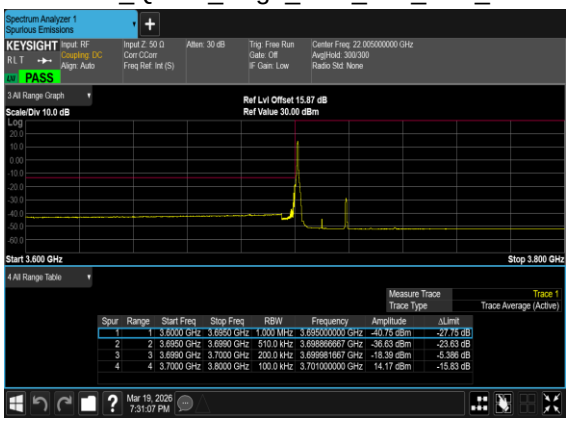
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	1@50	see graph	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@50	see graph	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
77	30	40	648000	3720.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	40	648000	3720.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	40	648000	3720.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
77	30	40	648000	3720.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
77	30	40	664000	3960.0	DFT-s-OFDM BPSK	1@105	see graph	**PASS**
77	30	40	664000	3960.0	DFT-s-OFDM QPSK	1@105	see graph	**PASS**
77	30	40	664000	3960.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
77	30	40	664000	3960.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@272	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@272	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	270@0	see graph	**PASS**

N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

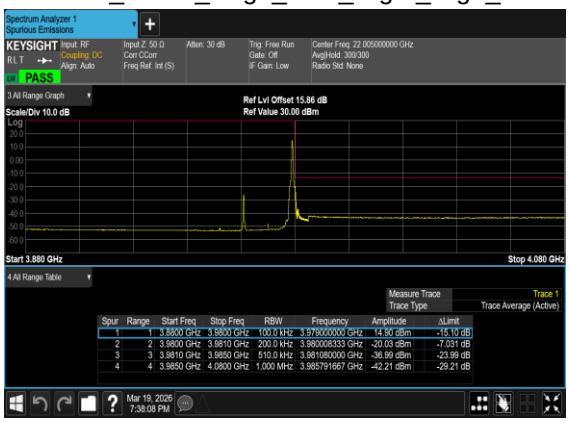


N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS

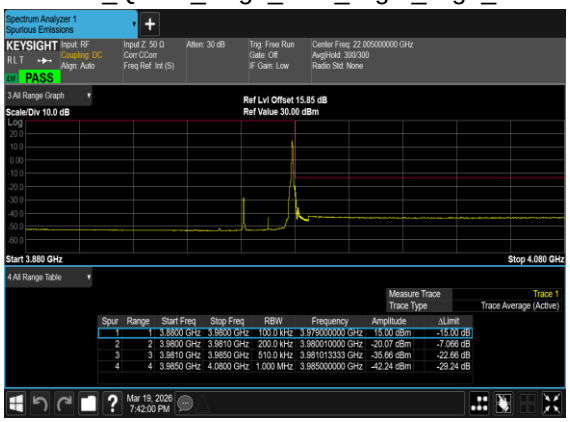
N77(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

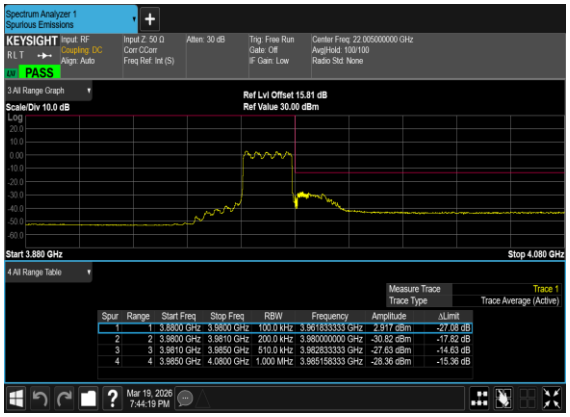


N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

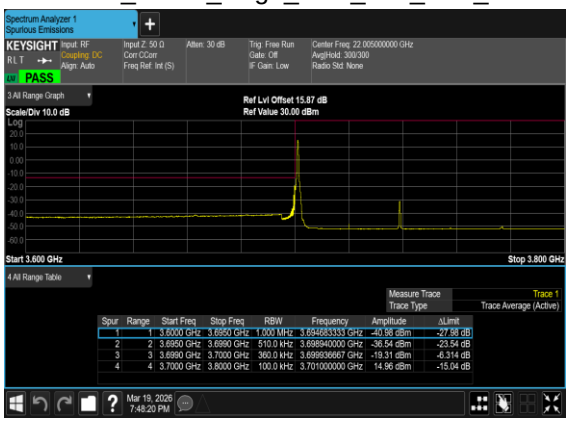


N77(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

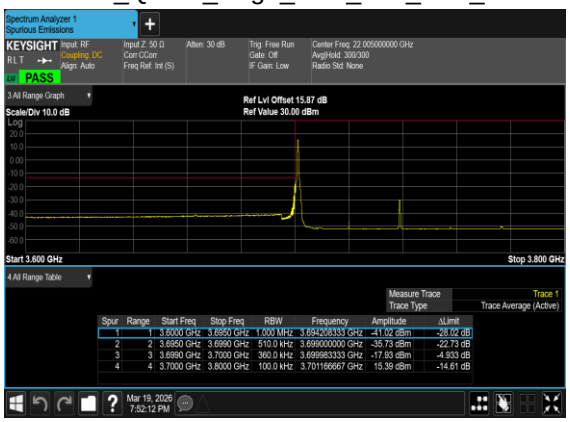
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



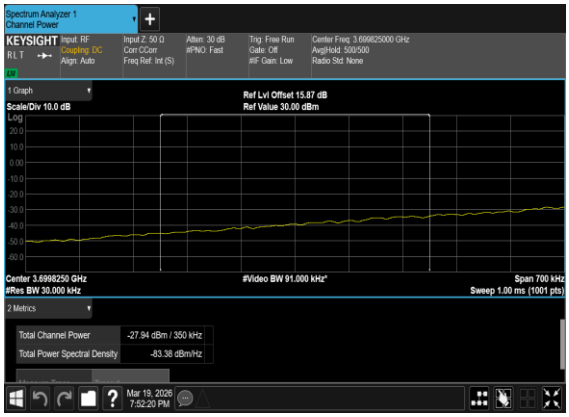
N77(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



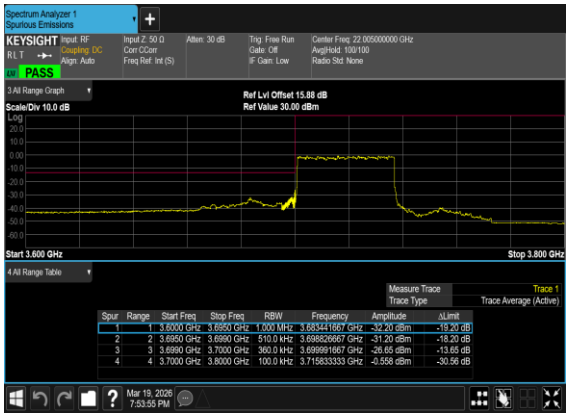
N77(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



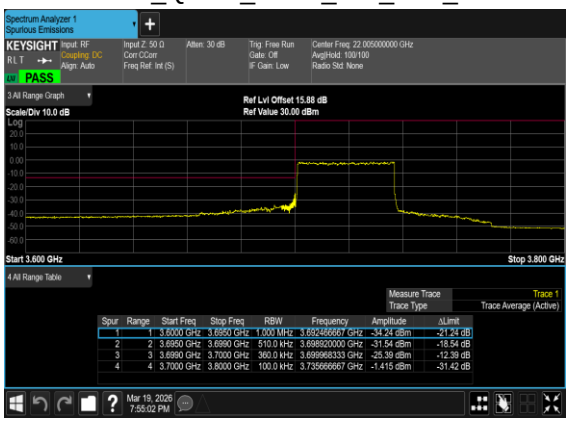
N77(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



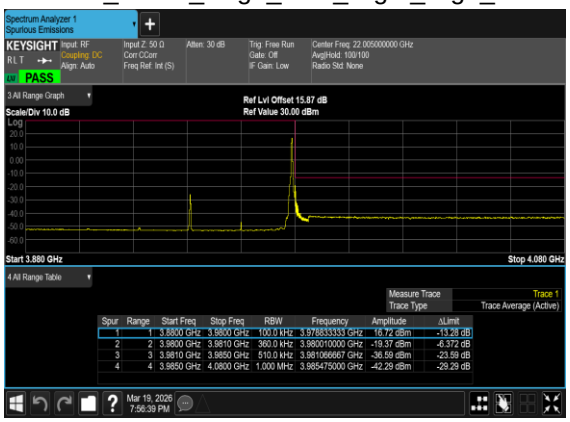
N77(40M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



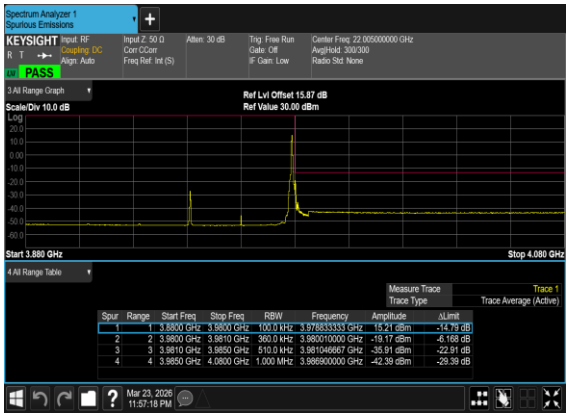
N77(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



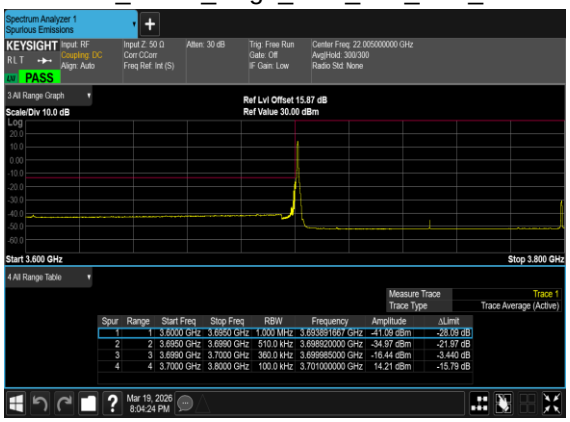
N77(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N77(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

N77(40M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH