FCC RF Test Report

APPLICANT	: vivo Mobile Communication Co., Ltd.
EQUIPMENT	: Mobile Phone
BRAND NAME	: vivo
MODEL NAME	: V2158
FCC ID	: 2AUCY-V2158
STANDARD	: 47 CFR Part 2, 27Q
CLASSIFICATION	: PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	: Jul. 07, 2022 ~ Aug. 09, 2022

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

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

Jason Jia

Approved by: Jason Jia

ACCREDITED Cert #5145.01

Sporton International Inc. (ShenZhen)

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People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG260201F	Rev. 01	Initial issue of report	Aug. 09, 2022

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	—	Report Only	-
3.5	§27.50 (k)(4)	Peak-to-Average Ratio	<13dB	PASS	
3.6	§27.50 (k)(3)	EIRP	EIRP < 1W (30dBm)	PASS	-
3.7	§2.1049	Occupied Bandwidth	—	Report Only	-
3.8	§2.1051 §27.53 (n)(2)	Conducted Band Edge Measurement	-13dBm/MHz	PASS	-
3.9	§2.1051 §27.53 (n)(2)	Conducted Spurious Emission	-13dBm/MHz	PASS	-
3.10	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within the band	PASS	-
4.4	§2.1053 §27.53 (n)(2)	Radiated Spurious Emission	-13dBm/MHz	PASS	Under limit 28.00 dB at 10336.360 MHz

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Applicant

vivo Mobile Communication Co., Ltd.
No.1, vivo Road, Chang'an, Dongguan,Guangdong,China

1.2 Manufacturer

vivo Mobile Communication Co., Ltd.
No.1, vivo Road, Chang'an, Dongguan,Guangdong,China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	vivo
Model Name	V2158
FCC ID	2AUCY-V2158
IMEI Code	Radiation: 861185069998653 / 861185069998646 Conducted: 861185069997671
HW Version	MP_0.1
SW Version	PD2204CF_EX_A_12.0.5.2.W30.V000L1
EUT Stage	Production Unit

1.4 Product Specification of Equipment Under Test

Product Feature	
Tx/Rx Frequency	5G NR n77: 3450 MHz ~ 3550 MHz 5G NR n78: 3450 MHz ~ 3550 MHz
SCS	15kHz / 30kHz
Bandwidth	15kHz: n77: 10MHz / 15MHz / 20MHz / 40MHz / 50MHz n78: 10MHz / 15MHz / 20MHz / 30MHz / 40MHz / 50MHz 30kHz: n77: 10MHz / 15MHz / 20MHz / 40MHz / 50MHz / 60MHz / 80MHz / 90MHz / 100MHz n78: 10MHz / 15MHz / 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz
Antenna Gain	**Ant. 13:** 5G NR n77: -1.16 dBi 5G NR n78: -1.16 dBi **Ant. 23:** 5G NR n77: 1.34 dBi 5G NR n78: 1.34 dBi **Ant. 24:** 5G NR n78: -3.63 dBi **Ant. 101:** 5G NR n78: 0.99 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 antenna gain, only the maximum EIRP are shown in the report, 5G NR n77 for Antenna 23 and n78 for Antenna 101.
2. The device supports n77 / n78(1T4R) SRS resources on Ant.13/23/24/101, only the test data of worst Ant.13 is showed in the report according to the maximum power
3. 5G NR n77 support SA, n78 support SA & NSA, SA covers NSA by referring to the maximum power.
4. The EN-DC mode combination: DC_2A_n78A, DC_4A_n78A, DC_5A_n78A, DC_7A_n78A, DC_38A_n78A, DC_41A_n78A, DC_66A_n78A.

1.5 Modification of EUT

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

1.6 Maximum EIRP Power and Emission Designator

5G NR n77 SA		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10	3455.01 ~ 3544.98	0.1786	9M28G7D	0.1483	9M30W7D
15	3457.50 ~ 3542.49	0.1778	14M1G7D	0.1426	14M1W7D
20	3460.02 ~ 3540.00	0.1816	18M9G7D	1.3868	18M9W7D
40	3470.01 ~ 3529.98	0.1679	38M6G7D	0.1309	38M6W7D
50	3475.02 ~ 3525.00	1.7219	48M2G7D	1.3804	50M0W7D
60	3480.00 ~ 3519.99	0.1648	57M9G7D	0.1279	57M9W7D
80	3490.02 ~ 3510.00	0.1528	77M5G7D	0.1164	77M5W7D
90	3495.00 ~ 3504.99	0.1435	87M3G7D	0.1104	87M6W7D
100	3500.01	0.1791	97M2G7D	0.1442	97M4W7D

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)
10	3455.01 ~ 3544.98	0.2344	9M28G7D	0.2042	9M30W7D
15	3457.50 ~ 3542.49	0.2323	14M1G7D	0.1892	14M1W7D
20	3460.02 ~ 3540.00	0.2350	18M9G7D	0.2009	18M9W7D
30	3465.00 ~ 3534.99	0.2323	27M9G7D	0.1972	27M9W7D
40	3470.01 ~ 3529.98	0.2355	38M6G7D	0.1968	38M6W7D
50	3475.02 ~ 3525.00	0.2410	48M2G7D	0.2113	50M0W7D
60	3480.00 ~ 3519.99	0.2099	57M9G7D	0.1687	57M9W7D
70	3485.01 ~ 3514.98	0.1854	67M5G7D	0.1439	67M6G7D
80	3490.02 ~ 3510.00	0.2004	77M5G7D	0.1592	77M5W7D
90	3495.00 ~ 3504.99	0.1950	87M3G7D	0.1549	87M6W7D
100	3500.01	0.2307	97M2G7D	0.1807	97M4W7D

Note:

1. All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.
2. 5G NR Band n78 overlaps the entire frequency range of Band n77. Therefore, the conducted test results provided in this report covers Band n78 as well as Band n77.

1.7 Testing Site

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

Test Firm	Sporton International Inc. (Shenzhen)		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	TH01-SZ	CN1256	421272

Test Firm	Sporton International Inc. (Shenzhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH04-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH04-SZ	AUDIX	E3	6.2009-8-24

1.9 Applied Standards

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

- 47 CFR Part 2, 27Q
- ANSI C63.26-2015
- FCC KDB 971168 Power Meas License Digital Systems D01 v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

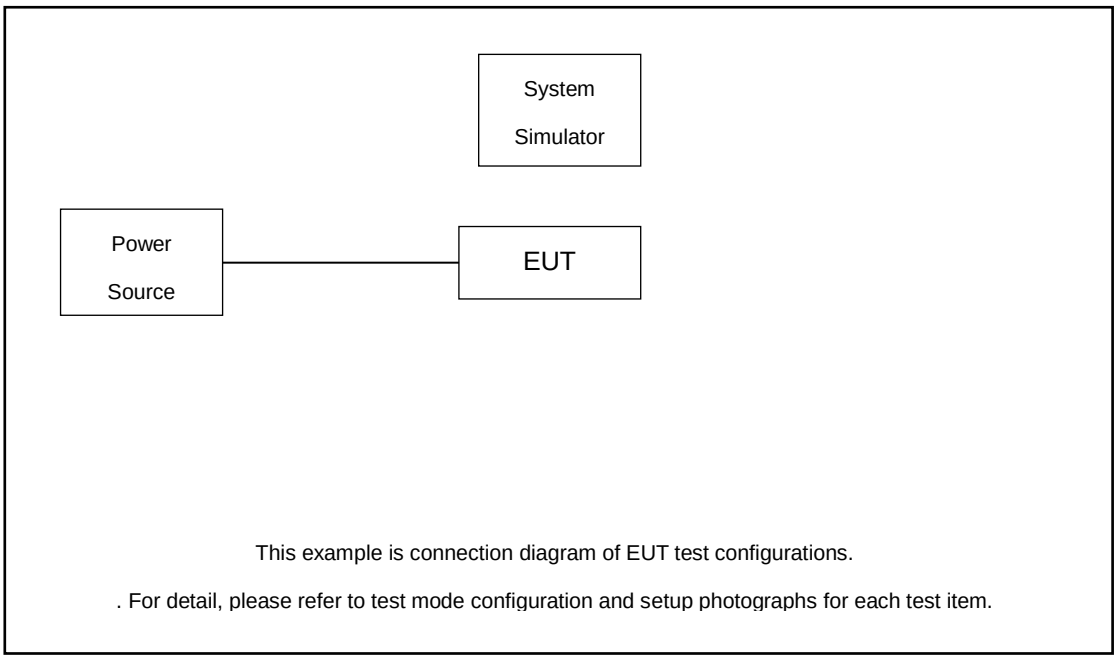
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

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

	X Plane	Y Plane	Z Plane
Orthogonal Planes of EUT			

Test Items	5G NR	Bandwidth (MHz)											Modulation					RB #		Test Channel		
		10	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	v	v	v
	n78	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	n78			v									v	v				v	v	v	v	v
26dB and 99% Bandwidth	n78	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v		v	
Conducted Band Edge	n78	v		v			v					v	v	v				v	v	v	v	v
Conducted Spurious Emission	n78	v		v			v					v	v	v				v		v	v	v
Frequency Stability	n78			v										v					v		v	
E.R.P / E.I.R.P	n77	v	v	v	-	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	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. Based on engineering evaluation, only the worst modulations test results are shown in the report. 5. 5G NR n78 overlaps the entire frequency range of n77, Therefore, the test results provided in this report covers n78 as well as n77. 6. Frequency Stability：Normal Voltage: 3.87Vdc, Extreme Voltage: 3.60Vdc ~4.45Vdc																					

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	LTE Base Station	Anritsu	MT8821C	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 between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 8.6 dB.

Example :

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

= 8.6 (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	-	633334	-
	Frequency	-	3500.01	-
90	Channel	633000	633334	633666
	Frequency	3495	3500.01	3504.99
80	Channel	632668	633334	634000
	Frequency	3490.02	3500.01	3510
60	Channel	632000	633334	634666
	Frequency	3480	3500.01	3519.99
50	Channel	631668	633334	635000
	Frequency	3475.02	3500.01	3525
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540
15	Channel	630500	633334	636166
	Frequency	3457.5	3500.01	3542.49
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98

5G n78 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
100	Channel	-	633334	-
	Frequency	-	3500.01	-
90	Channel	633000	633334	633666
	Frequency	3495	3500.01	3504.99
80	Channel	632668	633334	634000
	Frequency	3490.02	3500.01	3510
70	Channel	632334	633334	634332
	Frequency	3485.01	3500.01	3514.98
60	Channel	632000	633334	634666
	Frequency	3480	3500.01	3519.99
50	Channel	631668	633334	635000
	Frequency	3475.02	3500.01	3525
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
30	Channel	631000	633334	635666
	Frequency	3465	3500.01	3534.99
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540
15	Channel	630500	633334	636166
	Frequency	3457.5	3500.01	3542.49
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98

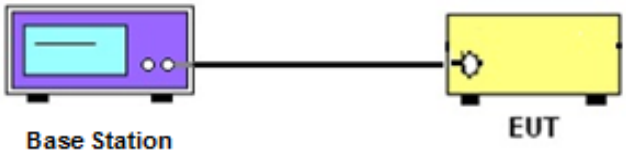
3 Conducted Test Items

3.1 Measuring Instruments

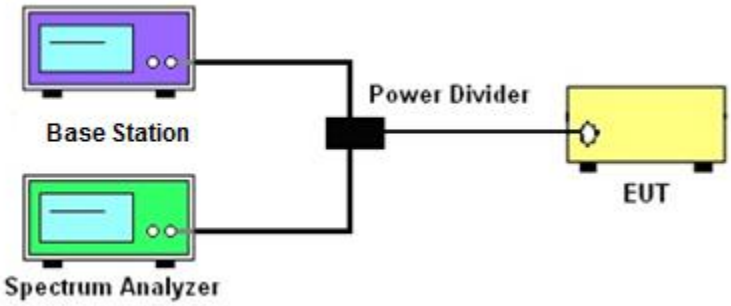
See list of measuring instruments of this test report.

3.2 Test Setup

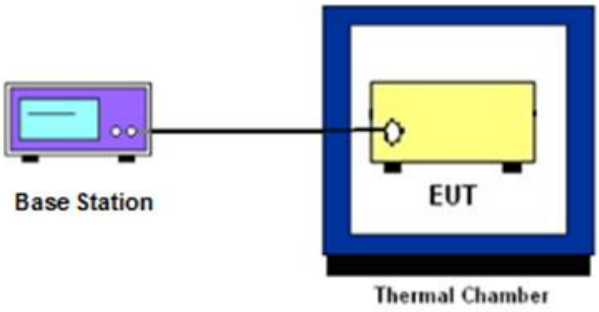
3.2.1 Conducted Output Power



3.2.2 Peak-to-Average Ratio, Occupied / 26dB Bandwidth ,Band-Edge and Conducted Spurious Emission



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power Measurement

3.4.1 Description of the Conducted Output Power Measurement

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

3.4.2 Test Procedures

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

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

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

3.5.2 Test Procedures

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

3.6 EIRP

3.6.1 Description of EIRP Limit

§ 27.50 (k)(3)

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

3.6.2 Test Procedures

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

   P_T = transmitter output power in dBm

   G_T = gain of the transmitting antenna in dBi

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

3.7 Occupied Bandwidth

3.7.1 Description of Occupied Bandwidth Measurement

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

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

3.7.2 Test Procedures

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

3.8 Conducted Band Edge Measurement

3.8.1 Description of Conducted Band Edge Measurement

§ 27.53 (n)(2)

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

Compliance with this paragraph is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.

3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW ≥ 1% EBW but limited to a maximum of 200 kHz in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz and 5 MHz removed from the band edge, set RBW ≥ 500KHz.
6. Beyond the 5 MHz removed from the band edge, set RBW = 1MHz.
7. Set spectrum analyzer with RMS detector.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. Checked that all the results comply with the emission limit line.

3.9 Conducted Spurious Emission Measurement

3.9.1 Description of Conducted Spurious Emission Measurement

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

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

3.9.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. Checked that all the results comply with the emission limit line.

3.10 Frequency Stability Measurement

3.10.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block.

3.10.2 Test Procedures for Temperature Variation

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

3.10.3 Test Procedures for Voltage Variation

1. The testing follows ANSI C63.26 section 5.6.5.
2. The EUT was placed in a temperature chamber at 20±5°C and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
5. The variation in frequency was measured for the worst case.

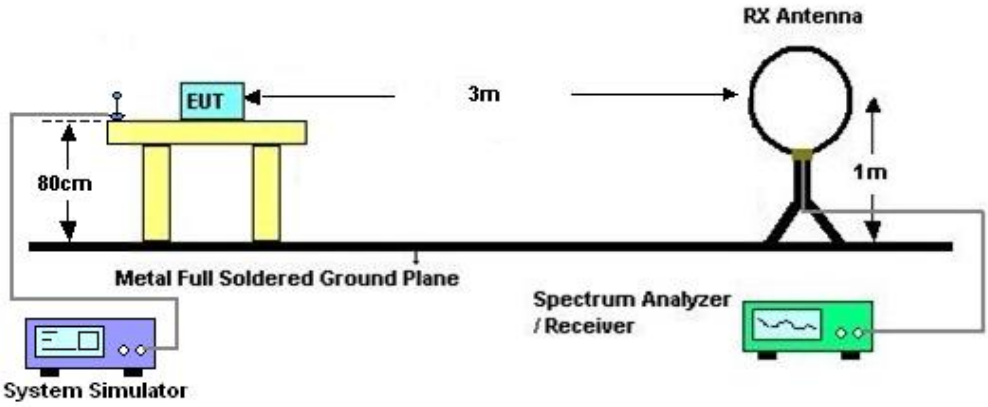
4 Radiated Test Items

4.1 Measuring Instruments

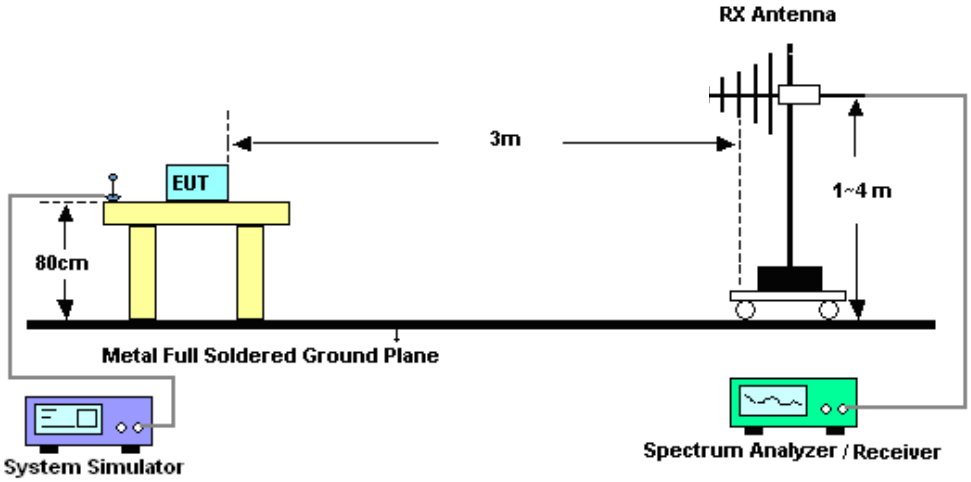
See list of measuring instruments of this test report.

4.2 Test Setup

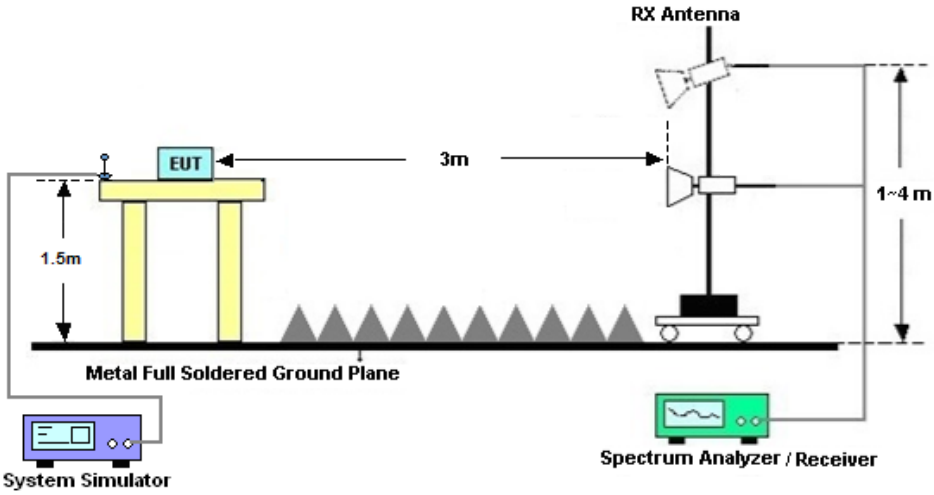
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission Measurement

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI/TIA-603-E.

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

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

4.4.2 Test Procedures

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

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 07, 2022	Jul. 07, 2022~ Aug. 09, 2022	Apr. 06, 2023	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V，3A	Oct. 25, 2021	Jul. 07, 2022~ Aug. 09, 2022	Oct. 24, 2022	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.0077	0.4GHz~26.5GHz	Dec. 25, 2021	Jul. 07, 2022~ Aug. 09, 2022	Dec. 24, 2022	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 07, 2022	Jul. 07, 2022~ Aug. 09, 2022	Jul. 06, 2023	Conducted (TH01-SZ)
EMI Test Receiver	R&S	ESR7	101404	9kHz~7GHz	Oct. 22, 2021	Jul. 26, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz	Apr. 06, 2022	Jul. 26, 2022	Apr. 05, 2023	Radiation (03CH04-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jul. 17, 2022	Jul. 26, 2022	Jul. 16, 2024	Radiation (03CH04-SZ)
Bilog Antenna	TeseQ	CBL6111D	41909	30MHz~1GHz	Oct. 22, 2021	Jul. 26, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1474	1GHz~18GHz	Jul. 07, 2022	Jul. 26, 2022	Jul. 06, 2023	Radiation (03CH04-SZ)
Horn Antenna	SCHWARZBECK	BBHA9170	9170#679	15GHz~40GHz	Jul. 07, 2022	Jul. 26, 2022	Jul. 06, 2023	Radiation (03CH04-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 22, 2021	Jul. 26, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
HF Amplifier	EM Electronics	EM01G18G	060781	1GHz~18GHz	Oct. 22, 2021	Jul. 26, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 06, 2022	Jul. 26, 2022	Jul. 05, 2023	Radiation (03CH04-SZ)
Amplifier	Agilent Technologies	83017A	MY53270357	500MHz~26.5GHz	Apr. 06, 2022	Jul. 26, 2022	Apr. 05, 2023	Radiation (03CH04-SZ)
AC Power Source	Chroma	61601	N/A	N/A	NCR	Jul. 26, 2022	NCR	Radiation (03CH04-SZ)
Turn Table	EM	EM1000	060795	0~360 degree	NCR	Jul. 26, 2022	NCR	Radiation (03CH04-SZ)
Antenna Mast	EM	EM1000	060795	1 m~4 m	NCR	Jul. 26, 2022	NCR	Radiation (03CH04-SZ)

NCR: No Calibration Required

6 Uncertainty of Evaluation

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 Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.8dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.1dB**

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.9dB**

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

Appendix A. Test Results of Conducted Test

Test Engineer :	Zheng Jianhan	**Temperature :**	24~26℃
		Relative Humidity :	40~45%

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Transmitter Conducted Output Power And EIRP (Ant. 23), (GT-LC)=1.34dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	20.65	21.99	1.5812
77	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	19.62	20.96	1.2474
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.84	22.18	1.6520
77	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	19.99	21.33	1.3583
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@1	21.01	22.35	1.7179
77	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@1	20.12	21.46	1.3996
77	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	20.61	21.95	1.5668
77	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	19.7	21.04	1.2706
77	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.82	22.16	1.6444
77	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	19.92	21.26	1.3366
77	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	20.96	22.3	1.6982
77	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	20.08	21.42	1.3868
77	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@1	20.73	22.07	1.6106
77	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@1	19.81	21.15	1.3032
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.88	22.22	1.6672
77	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	19.96	21.3	1.3490
77	15	20	636000	3540	DFT-s-OFDM QPSK	1@1	21	22.34	1.7140
77	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	20.08	21.42	1.3868
77	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	20.29	21.63	1.4555
77	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	19.42	20.76	1.1912
77	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.49	21.83	1.5241
77	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	19.62	20.96	1.2474
77	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@1	20.5	21.84	1.5276
77	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@1	19.61	20.95	1.2445
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	135@67	20.98	22.32	1.7061
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@1	20.61	21.95	1.5668
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@268	20.79	22.13	1.6331

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	135@67	21.01	22.35	1.7179
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@1	20.62	21.96	1.5704
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@268	20.82	22.16	1.6444
77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	135@67	20.01	21.35	1.3646
77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@1	19.72	21.06	1.2764
77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@268	19.84	21.18	1.3122
77	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	135@67	18.66	20	1.0000
77	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@1	18.23	19.57	0.9057
77	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@268	18.36	19.7	0.9333
77	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	135@67	16.69	18.03	0.6353
77	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@1	16.02	17.36	0.5445
77	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@268	16.23	17.57	0.5715
77	15	50	631667	3475.005	CP-OFDM QPSK	135@67	19.51	20.85	1.2162
77	15	50	631667	3475.005	CP-OFDM QPSK	1@1	19.45	20.79	1.1995
77	15	50	631667	3475.005	CP-OFDM QPSK	1@268	19.63	20.97	1.2503
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	20.98	22.32	1.7061
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	20.8	22.14	1.6368
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@268	20.83	22.17	1.6482
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	135@67	21	22.34	1.7140
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.84	22.18	1.6520
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@268	20.84	22.18	1.6520
77	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	20.04	21.38	1.3740
77	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	19.98	21.32	1.3552
77	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@268	19.95	21.29	1.3459
77	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	18.68	20.02	1.0046
77	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	18.43	19.77	0.9484
77	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@268	18.38	19.72	0.9376
77	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	16.67	18.01	0.6324
77	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	16.18	17.52	0.5649
77	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@268	16.24	17.58	0.5728
77	15	50	633334	3500.01	CP-OFDM QPSK	135@67	19.51	20.85	1.2162

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	15	50	633334	3500.01	CP-OFDM QPSK	1@1	19.63	20.97	1.2503
77	15	50	633334	3500.01	CP-OFDM QPSK	1@268	19.68	21.02	1.2647
77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	135@67	21.02	22.36	1.7219
77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	20.79	22.13	1.6331
77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@268	21	22.34	1.7140
77	15	50	635000	3525	DFT-s-OFDM QPSK	135@67	21.02	22.36	1.7219
77	15	50	635000	3525	DFT-s-OFDM QPSK	1@1	20.8	22.14	1.6368
77	15	50	635000	3525	DFT-s-OFDM QPSK	1@268	21.02	22.36	1.7219
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	135@67	20.06	21.4	1.3804
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	19.87	21.21	1.3213
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@268	20.02	21.36	1.3677
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	135@67	18.75	20.09	1.0209
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	18.4	19.74	0.9419
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@268	18.58	19.92	0.9817
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	135@67	16.71	18.05	0.6383
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	16.21	17.55	0.5689
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@268	16.37	17.71	0.5902
77	15	50	635000	3525	CP-OFDM QPSK	135@67	19.56	20.9	1.2303
77	15	50	635000	3525	CP-OFDM QPSK	1@1	19.4	20.74	1.1858
77	15	50	635000	3525	CP-OFDM QPSK	1@268	19.47	20.81	1.2050

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Transmitter Conducted Output Power And EIRP (Ant. 23), (GT-LC)=1.34dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	20.88	22.22	0.1667
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	19.73	21.07	0.1279
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	21.18	22.52	0.1786
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.07	21.41	0.1384
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	21.11	22.45	0.1758
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	20.37	21.71	0.1483
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	20.91	22.25	0.1679
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	19.82	21.16	0.1306
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	21.16	22.5	0.1778
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.04	21.38	0.1374
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	21.09	22.43	0.1750
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	20.2	21.54	0.1426
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	20.84	22.18	0.1652
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	19.79	21.13	0.1297
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	21.09	22.43	0.1750
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.02	21.36	0.1368
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	21.25	22.59	0.1816
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	19.98	21.32	0.1355
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	20.46	21.8	0.1514
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	19.42	20.76	0.1191
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.68	22.02	0.1592
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	19.65	20.99	0.1256
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	20.91	22.25	0.1679
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	19.83	21.17	0.1309
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	20.68	22.02	0.1592
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	19.56	20.9	0.1230
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.85	22.19	0.1656

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	19.75	21.09	0.1285
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	21.01	22.35	0.1718
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	19.89	21.23	0.1327
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	20.52	21.86	0.1535
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	19.47	20.81	0.1205
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.62	21.96	0.1570
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	19.53	20.87	0.1222
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	20.83	22.17	0.1648
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	19.73	21.07	0.1279
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	20.37	21.71	0.1483
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	19.2	20.54	0.1132
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.37	21.71	0.1483
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	19.23	20.57	0.1140
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	20.5	21.84	0.1528
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	19.32	20.66	0.1164
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	20.21	21.55	0.1429
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	19.08	20.42	0.1102
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.11	21.45	0.1396
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	19.03	20.37	0.1089
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	20.23	21.57	0.1435
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	19.09	20.43	0.1104
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	21.14	22.48	0.1770
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	19.98	21.32	0.1355
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	20.4	21.74	0.1493
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	21.19	22.53	0.1791
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	20.04	21.38	0.1374
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	20.43	21.77	0.1503
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	20.25	21.59	0.1442
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	18.85	20.19	0.1045
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	19.22	20.56	0.1138
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	18.86	20.2	0.1047

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	17.79	19.13	0.0818
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	18.19	19.53	0.0897
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	16.87	18.21	0.0662
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	15.8	17.14	0.0518
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	16.25	17.59	0.0574
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	19.7	21.04	0.1271
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	18.3	19.64	0.0920
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	18.88	20.22	0.1052

Software Version: 22.05.231801

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Transmitter Conducted Output Power And EIRP (Ant. 101), (GT-LC)=0.99dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	22.07	23.06	0.2023
78	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	21.32	22.31	0.1702
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.71	23.7	0.2344
78	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.11	23.1	0.2042
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@1	22.59	23.58	0.2280
78	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@1	21.82	22.81	0.1910
78	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	22.06	23.05	0.2018
78	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	21.26	22.25	0.1679
78	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.67	23.66	0.2323
78	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.53	22.52	0.1786
78	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	22.6	23.59	0.2286
78	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	21.54	22.53	0.1791
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@1	22.13	23.12	0.2051
78	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@1	21.35	22.34	0.1714
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.7	23.69	0.2339
78	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.04	23.03	0.2009
78	15	20	636000	3540	DFT-s-OFDM QPSK	1@1	22.72	23.71	0.2350
78	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	21.96	22.95	0.1972
78	15	30	631000	3465	DFT-s-OFDM QPSK	1@1	21.96	22.95	0.1972
78	15	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	21.04	22.03	0.1596
78	15	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.4	23.39	0.2183
78	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.24	22.23	0.1671
78	15	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	22.67	23.66	0.2323
78	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	21.96	22.95	0.1972
78	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	21.77	22.76	0.1888
78	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	21.03	22.02	0.1592
78	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.73	23.72	0.2355

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.94	22.93	0.1963
78	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@1	22.7	23.69	0.2339
78	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@1	21.95	22.94	0.1968
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	135@67	22.53	23.52	0.2249
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@1	22.17	23.16	0.2070
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@268	22.67	23.66	0.2323
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	135@67	22.63	23.62	0.2301
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@1	22.14	23.13	0.2056
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@268	22.68	23.67	0.2328
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	135@67	22.04	23.03	0.2009
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@1	21.28	22.27	0.1687
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@268	22.19	23.18	0.2080
78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	135@67	20.48	21.47	0.1403
78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@1	19.76	20.75	0.1189
78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@268	20.69	21.68	0.1472
78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	135@67	18.44	19.43	0.0877
78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@1	17.69	18.68	0.0738
78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@268	18.63	19.62	0.0916
78	15	50	631667	3475.005	CP-OFDM QPSK	135@67	21.54	22.53	0.1791
78	15	50	631667	3475.005	CP-OFDM QPSK	1@1	20.83	21.82	0.1521
78	15	50	631667	3475.005	CP-OFDM QPSK	1@268	21.83	22.82	0.1914
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	22.81	23.8	0.2399
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.71	23.7	0.2344
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@268	22.74	23.73	0.2360
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	135@67	22.83	23.82	0.2410
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.52	23.51	0.2244
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@268	22.71	23.7	0.2344
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	22.03	23.02	0.2004
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.11	23.1	0.2042
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@268	21.87	22.86	0.1932
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	20.84	21.83	0.1524

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.48	21.47	0.1403
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@268	20.35	21.34	0.1361
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	18.79	19.78	0.0951
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.45	19.44	0.0879
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@268	18.25	19.24	0.0839
78	15	50	633334	3500.01	CP-OFDM QPSK	135@67	21.81	22.8	0.1905
78	15	50	633334	3500.01	CP-OFDM QPSK	1@1	21.64	22.63	0.1832
78	15	50	633334	3500.01	CP-OFDM QPSK	1@268	21.46	22.45	0.1758
78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	135@67	22.61	23.6	0.2291
78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	22.65	23.64	0.2312
78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@268	22.36	23.35	0.2163
78	15	50	635000	3525	DFT-s-OFDM QPSK	135@67	22.62	23.61	0.2296
78	15	50	635000	3525	DFT-s-OFDM QPSK	1@1	22.63	23.62	0.2301
78	15	50	635000	3525	DFT-s-OFDM QPSK	1@268	22.31	23.3	0.2138
78	15	50	635000	3525	DFT-s-OFDM 16 QAM	135@67	22	22.99	0.1991
78	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	22.26	23.25	0.2113
78	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@268	21.44	22.43	0.1750
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	135@67	20.49	21.48	0.1406
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	20.8	21.79	0.1510
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@268	19.95	20.94	0.1242
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	135@67	18.45	19.44	0.0879
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	18.69	19.68	0.0929
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@268	17.89	18.88	0.0773
78	15	50	635000	3525	CP-OFDM QPSK	135@67	21.5	22.49	0.1774
78	15	50	635000	3525	CP-OFDM QPSK	1@1	21.88	22.87	0.1936
78	15	50	635000	3525	CP-OFDM QPSK	1@268	21.15	22.14	0.1637

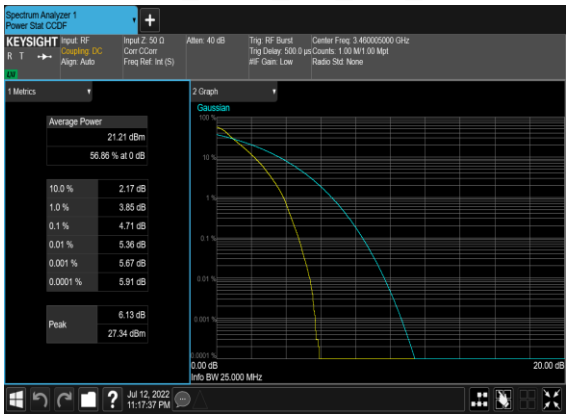
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0070	**PASS**	NV
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0052	**PASS**	LV
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0031	**PASS**	HV
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0022	**PASS**	-30℃
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0038	**PASS**	-20℃
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0039	**PASS**	-10℃
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0058	**PASS**	0℃
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0036	**PASS**	10℃
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0070	**PASS**	20℃
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0038	**PASS**	30℃
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0029	**PASS**	40℃
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0047	**PASS**	50℃

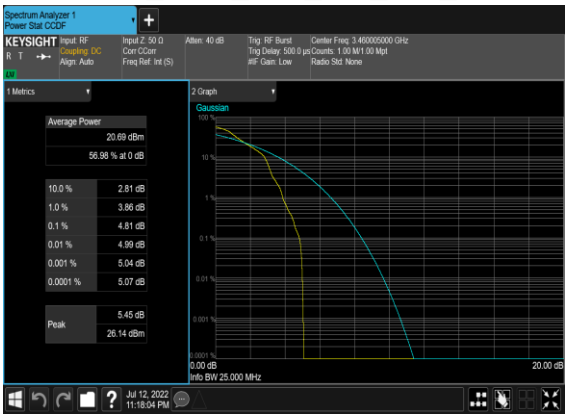
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
78	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	100@0	4.71	13	**PASS**
78	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	1@0	4.81	13	**PASS**
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	100@0	5.64	13	**PASS**
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@0	5.3	13	**PASS**
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	4.87	13	**PASS**
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	4.65	13	**PASS**
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	6.45	13	**PASS**
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	5.8	13	**PASS**
78	15	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	100@0	4.24	13	**PASS**
78	15	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@0	4.73	13	**PASS**
78	15	20	636000	3540.0	DFT-s-OFDM QPSK	100@0	5.48	13	**PASS**
78	15	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	5.68	13	**PASS**

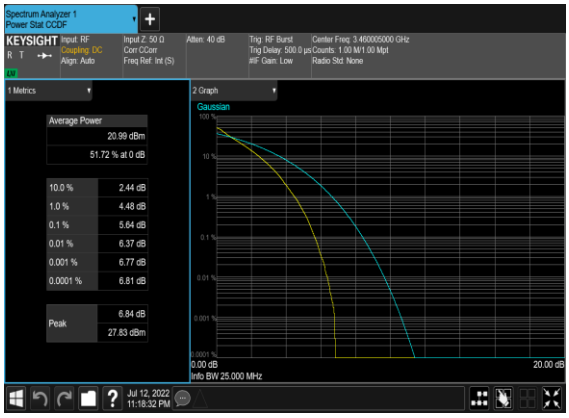
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



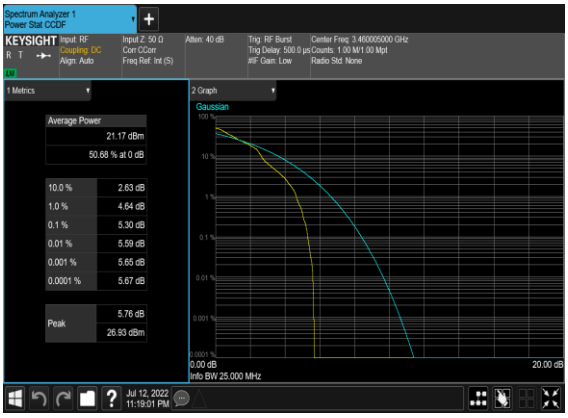
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



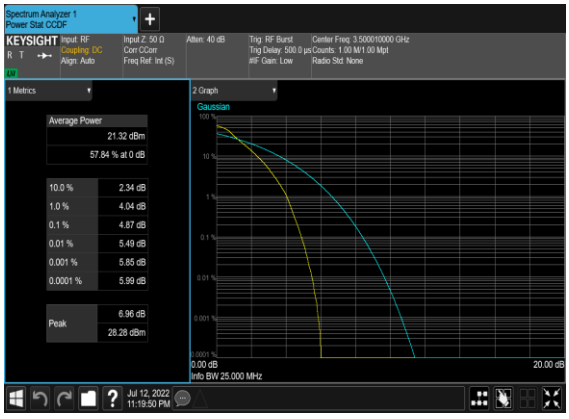
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



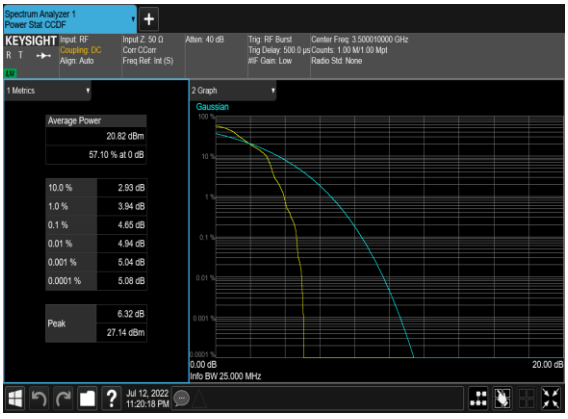
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



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

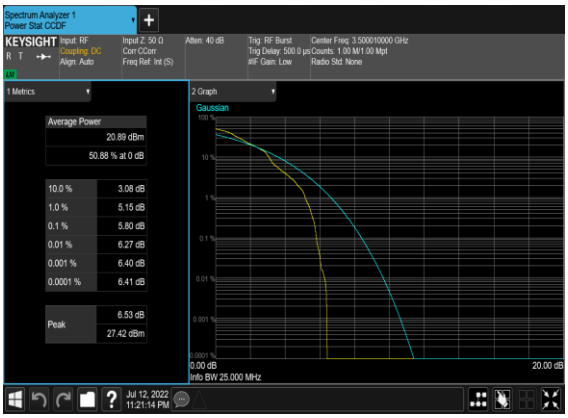


N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH

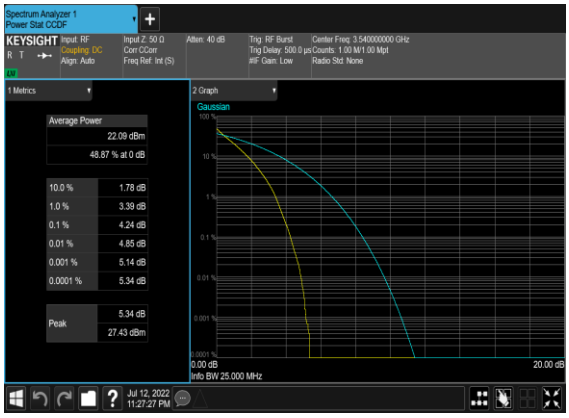


N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

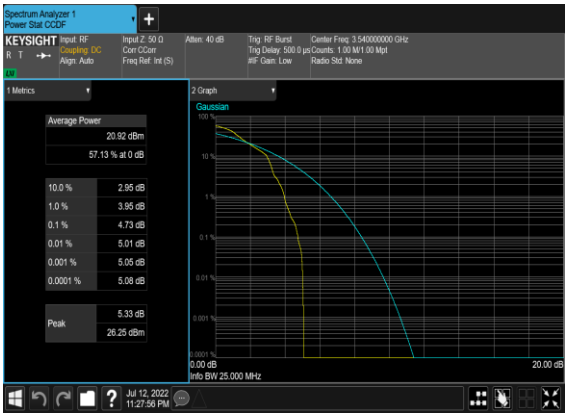
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



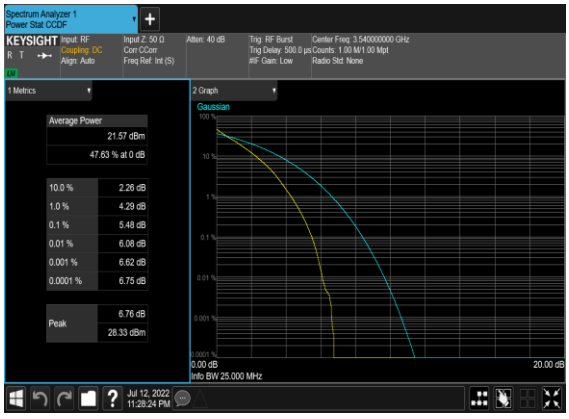
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



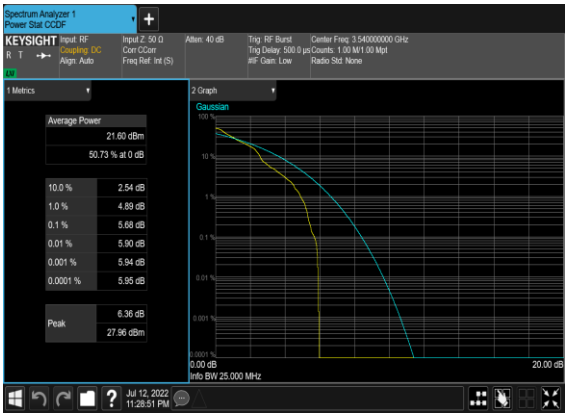
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

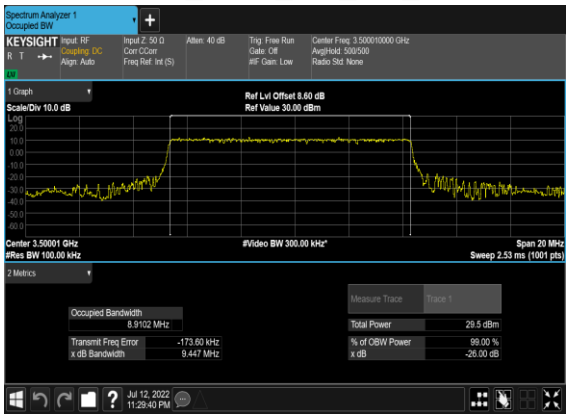


Occupied Bandwidth

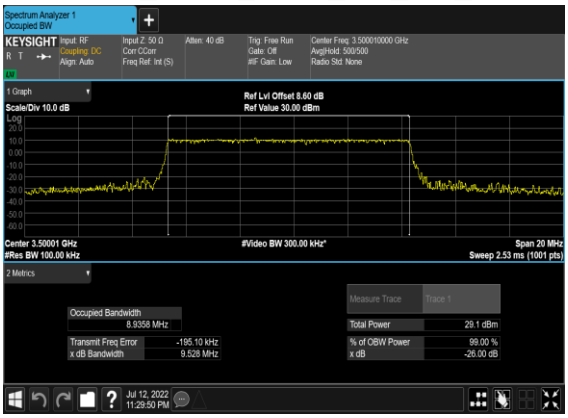
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
78	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	8.9102	9.447
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	50@0	8.9358	9.528
78	15	10	633334	3500.01	CP-OFDM QPSK	52@0	9.2773	9.778
78	15	10	633334	3500.01	CP-OFDM 16 QAM	52@0	9.2876	9.86
78	15	10	633334	3500.01	CP-OFDM 64 QAM	52@0	9.3014	9.777
78	15	10	633334	3500.01	CP-OFDM 256 QAM	52@0	9.2941	10.05
78	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	75@0	13.381	14.08
78	15	15	633334	3500.01	DFT-s-OFDM QPSK	75@0	13.39	14.07
78	15	15	633334	3500.01	CP-OFDM QPSK	79@0	14.091	14.68
78	15	15	633334	3500.01	CP-OFDM 16 QAM	79@0	14.079	14.69
78	15	15	633334	3500.01	CP-OFDM 64 QAM	79@0	14.119	14.69
78	15	15	633334	3500.01	CP-OFDM 256 QAM	79@0	14.095	15.45
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	17.864	18.63
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	17.859	18.78
78	15	20	633334	3500.01	CP-OFDM QPSK	106@0	18.918	19.9
78	15	20	633334	3500.01	CP-OFDM 16 QAM	106@0	18.931	19.77
78	15	20	633334	3500.01	CP-OFDM 64 QAM	106@0	18.886	19.86
78	15	20	633334	3500.01	CP-OFDM 256 QAM	106@0	18.914	19.71
78	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	216@0	38.613	40.03
78	15	40	633334	3500.01	DFT-s-OFDM QPSK	216@0	38.621	39.86
78	15	40	633334	3500.01	CP-OFDM QPSK	216@0	38.5	39.91
78	15	40	633334	3500.01	CP-OFDM 16 QAM	216@0	38.537	40.07
78	15	40	633334	3500.01	CP-OFDM 64 QAM	216@0	38.576	39.81
78	15	40	633334	3500.01	CP-OFDM 256 QAM	216@0	38.55	39.89

78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	48.208	49.83
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	270@0	48.175	49.82
78	15	50	633334	3500.01	CP-OFDM QPSK	270@0	48.143	49.83
78	15	50	633334	3500.01	CP-OFDM 16 QAM	270@0	48.257	49.74
78	15	50	633334	3500.01	CP-OFDM 64 QAM	270@0	48.153	49.81
78	15	50	633334	3500.01	CP-OFDM 256 QAM	270@0	48.206	49.96

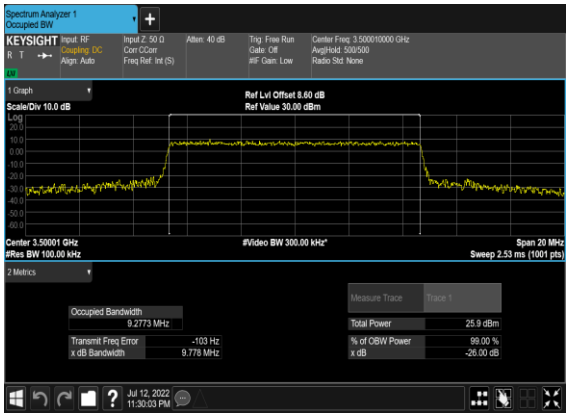
N78(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



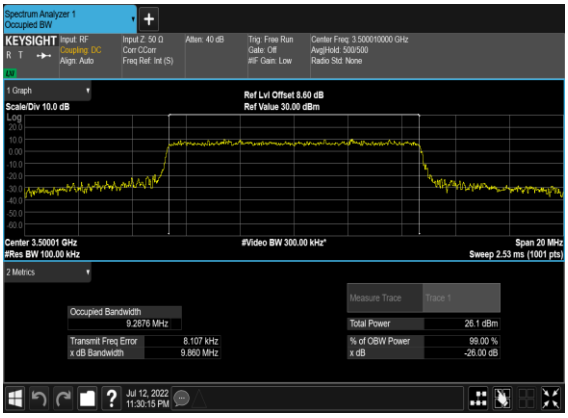
N78(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N78(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



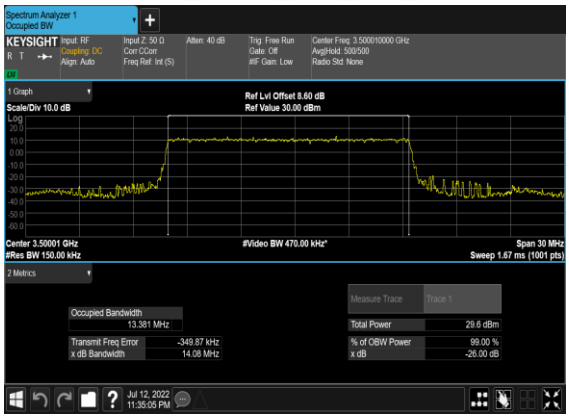
N78(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



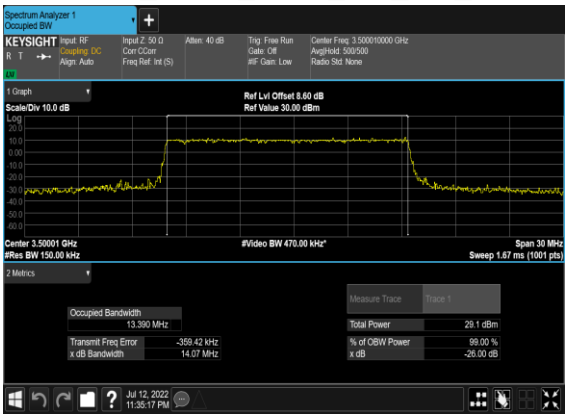
N78(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N78(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

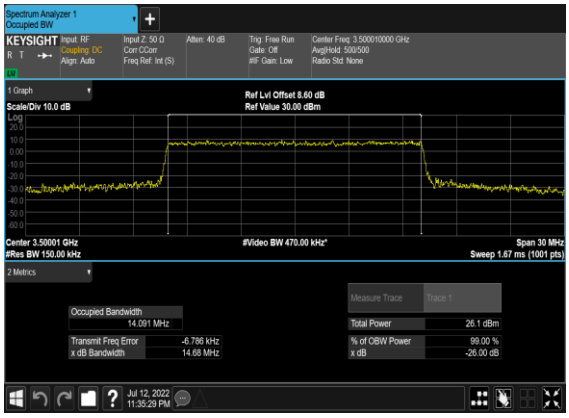
N78(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



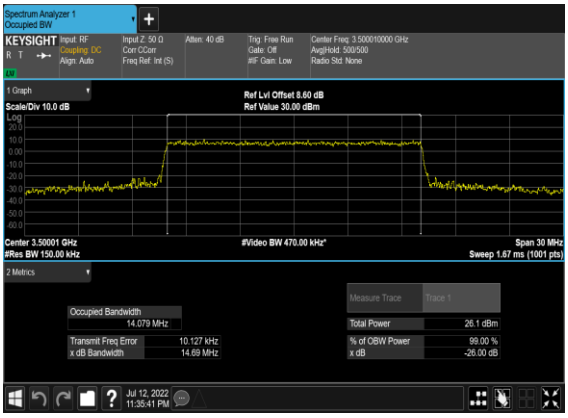
N78(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N78(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



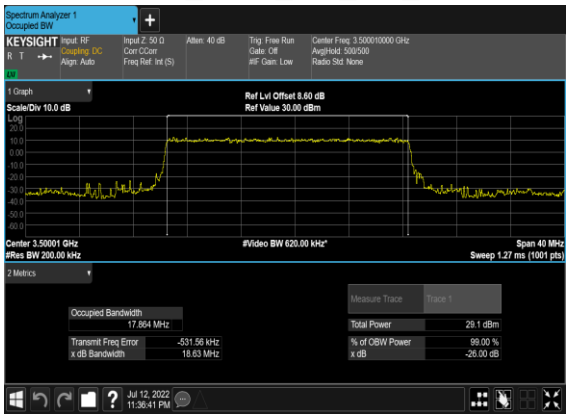
N78(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



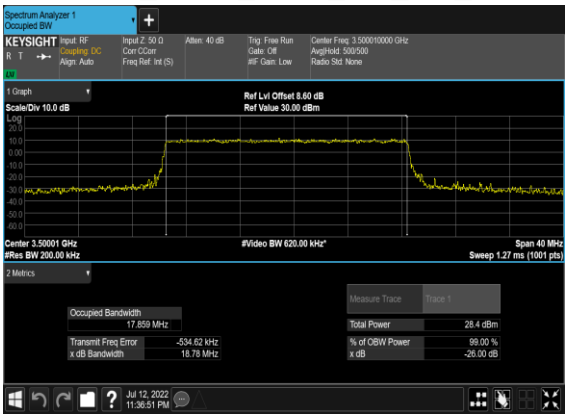
N78(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N78(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

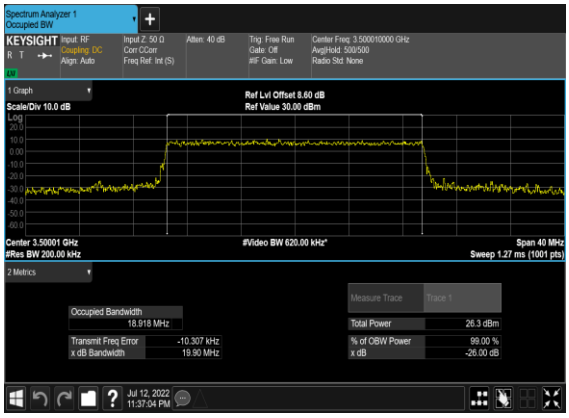
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



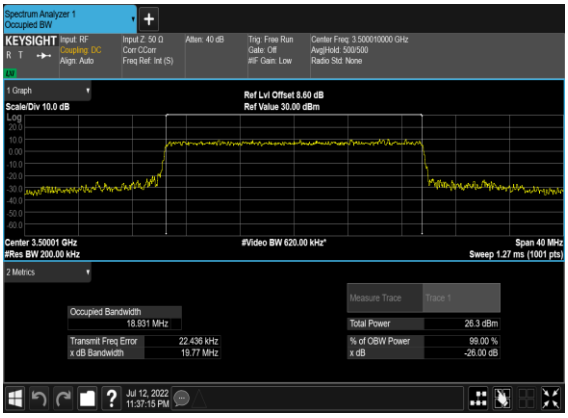
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



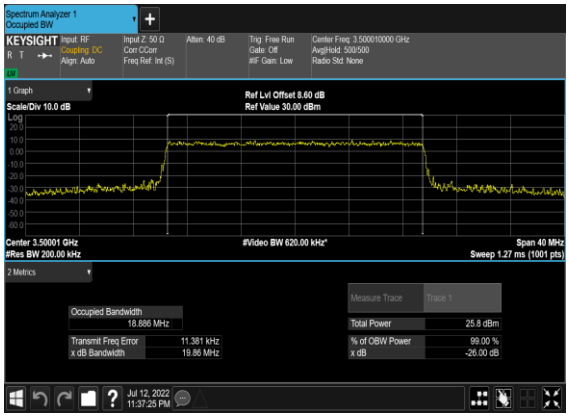
N78(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N78(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

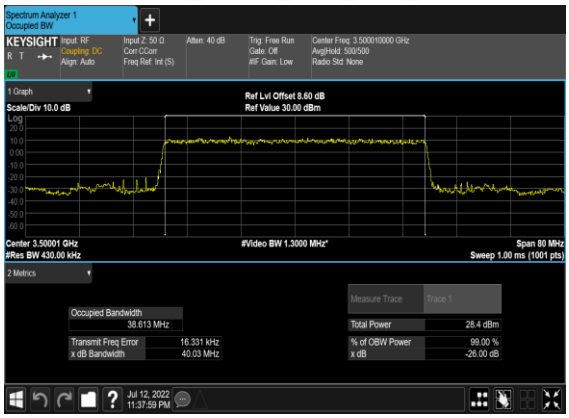


N78(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

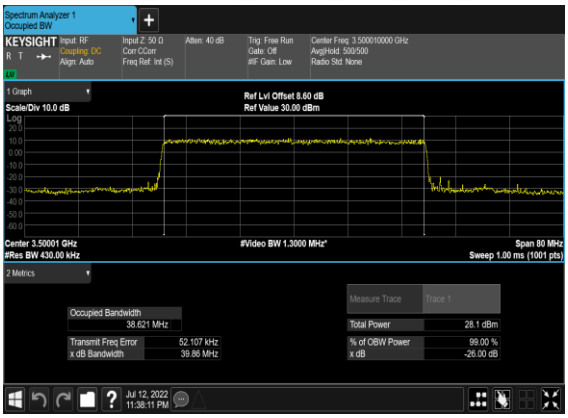


N78(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

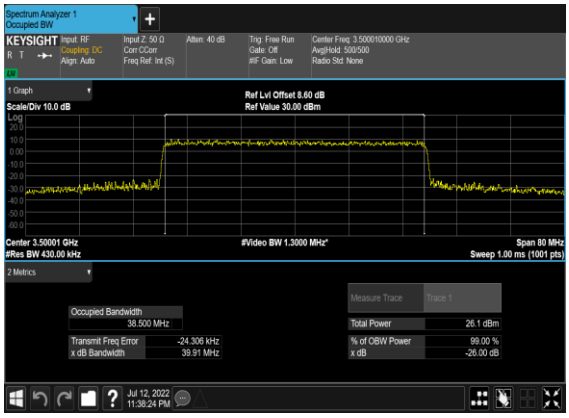
N78(40M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



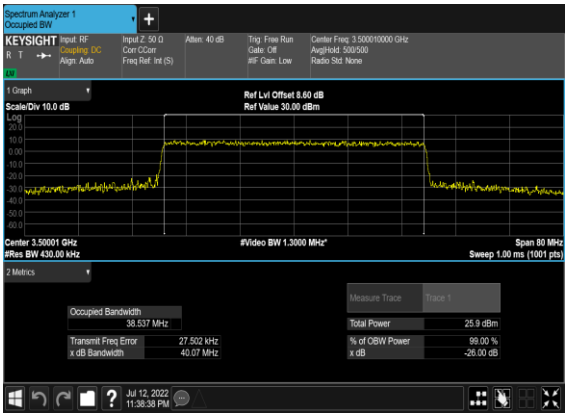
N78(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



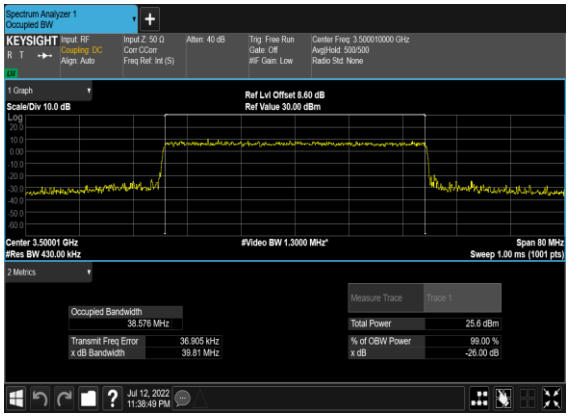
N78(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



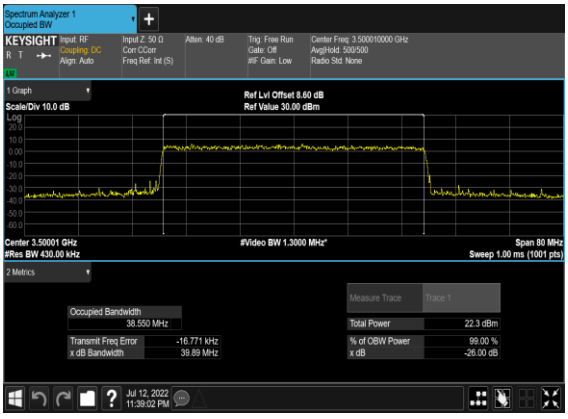
N78(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



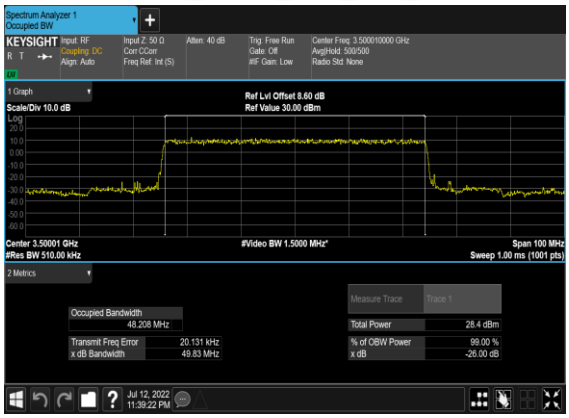
N78(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



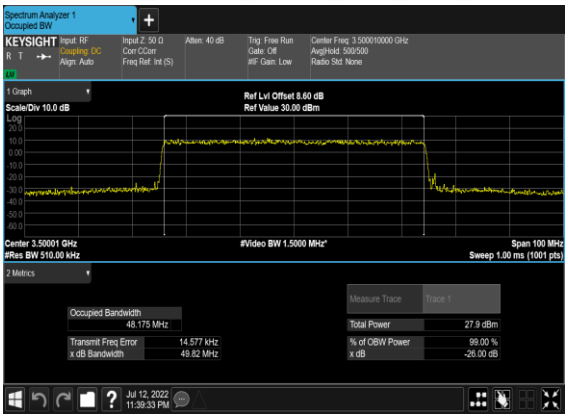
N78(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



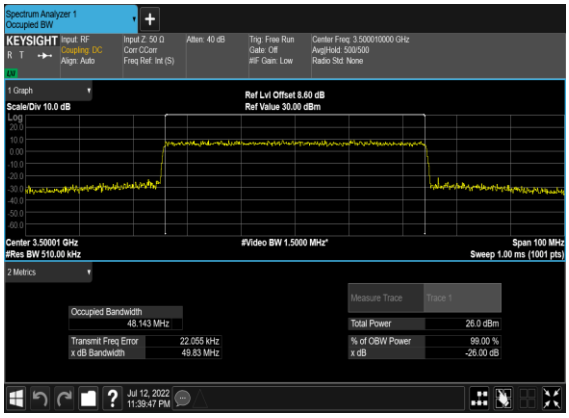
N78(50M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



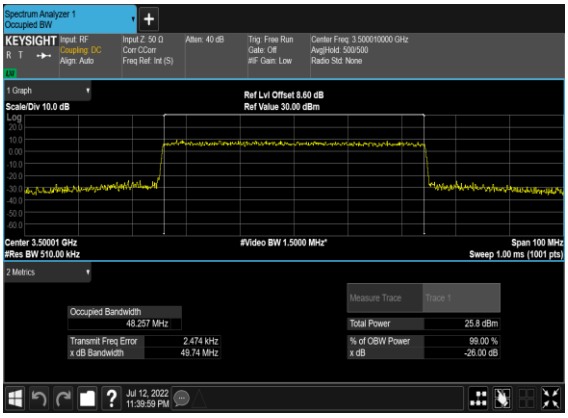
N78(50M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



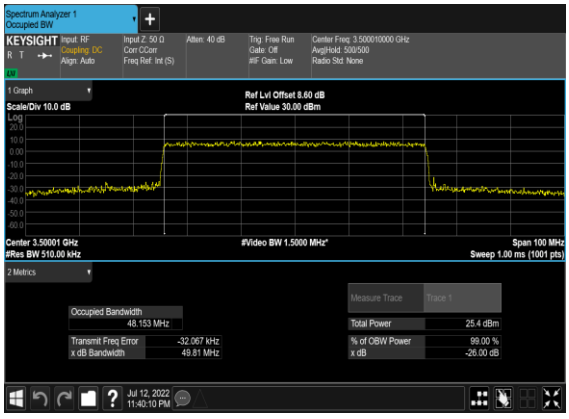
N78(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



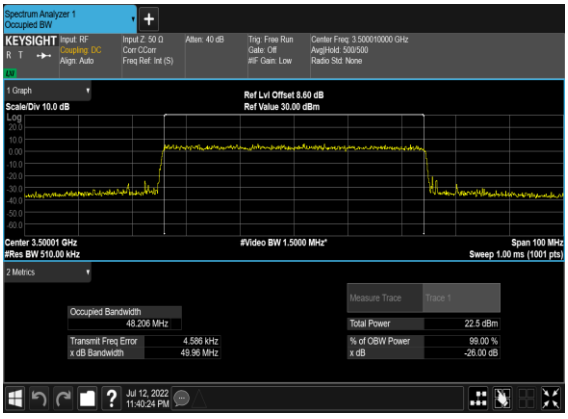
N78(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N78(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N78(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



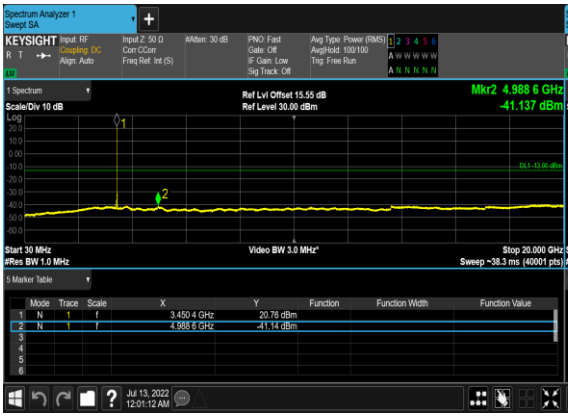
Conducted Spurious Emissions

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

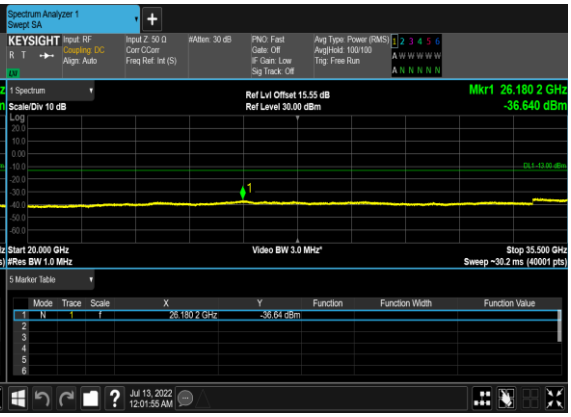
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	20	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	15	20	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	20	633334	3500.01	DFT-s-OFDM BPSK	1@0	see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

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

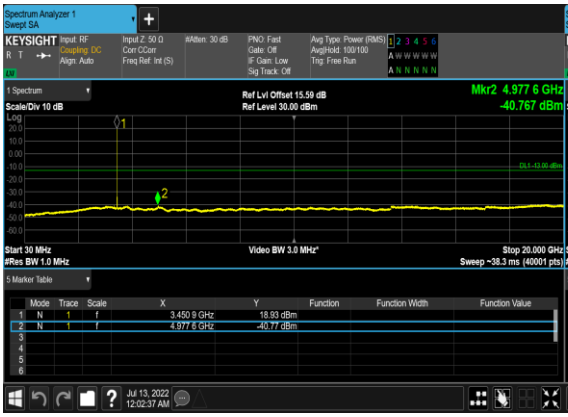
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



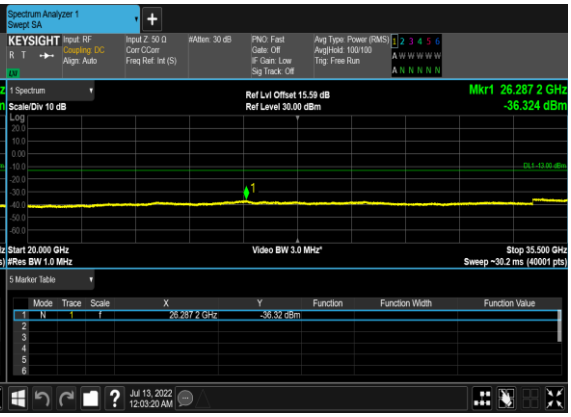
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



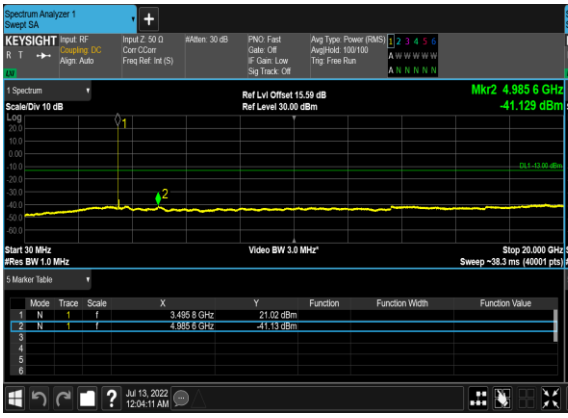
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



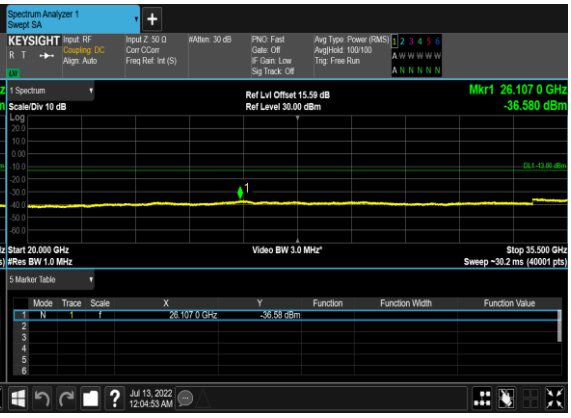
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



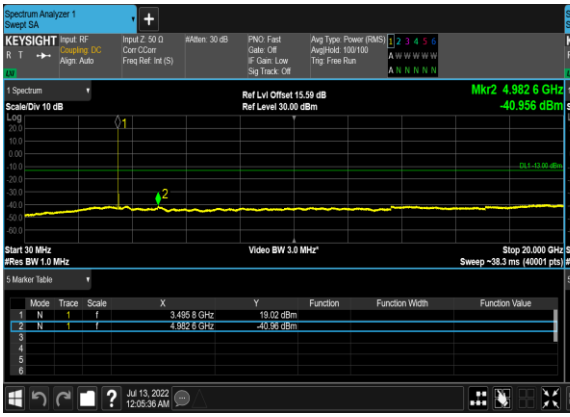
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



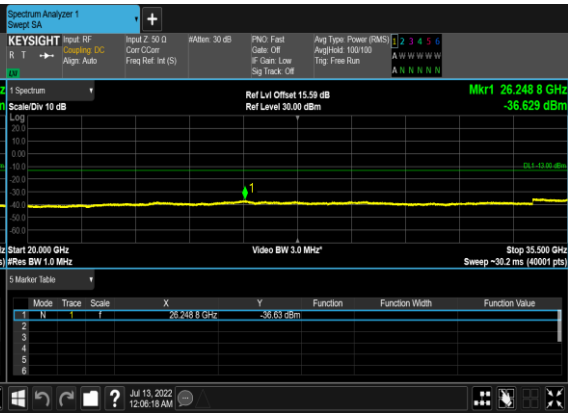
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



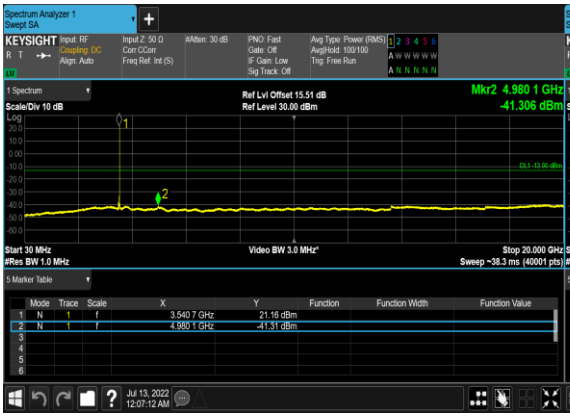
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



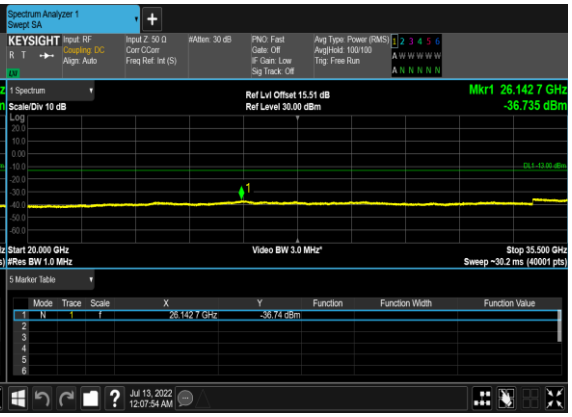
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



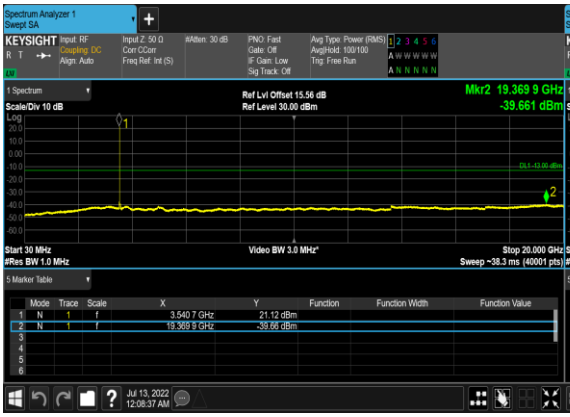
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



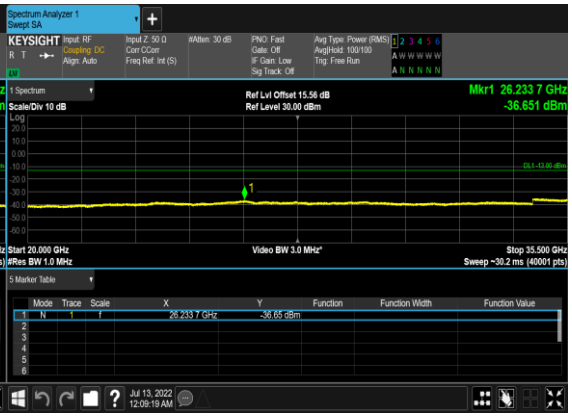
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



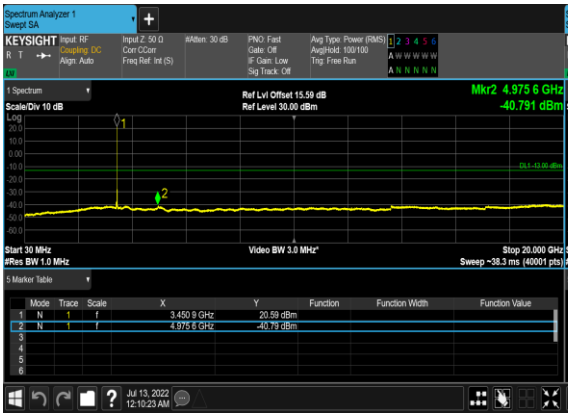
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



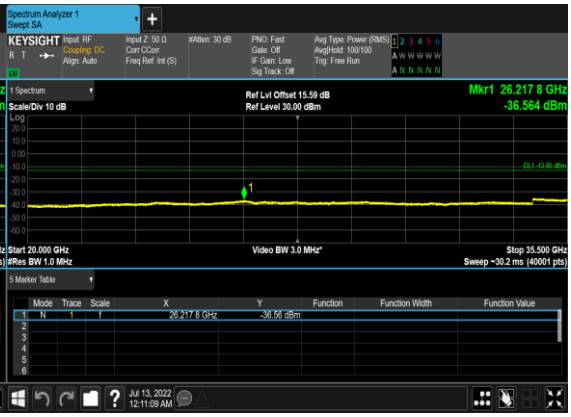
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



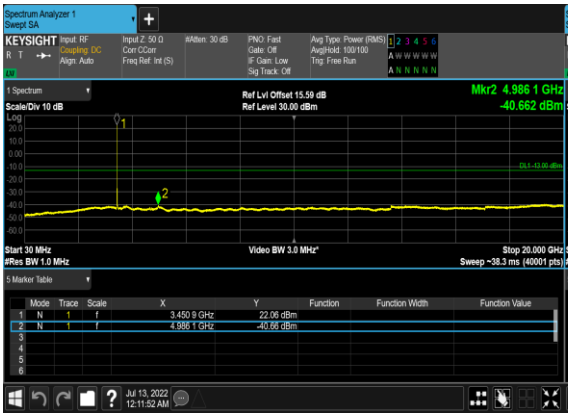
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



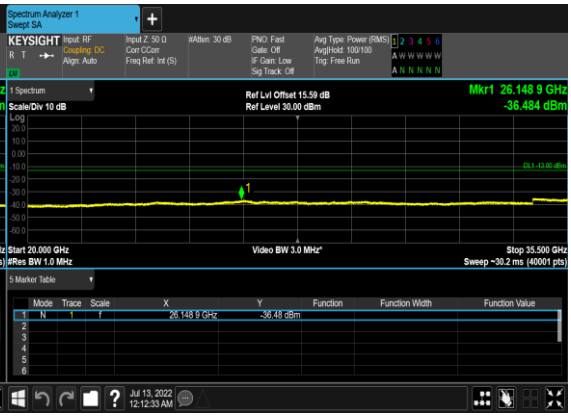
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



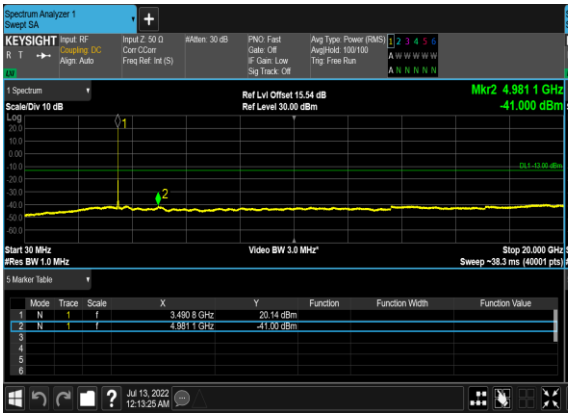
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



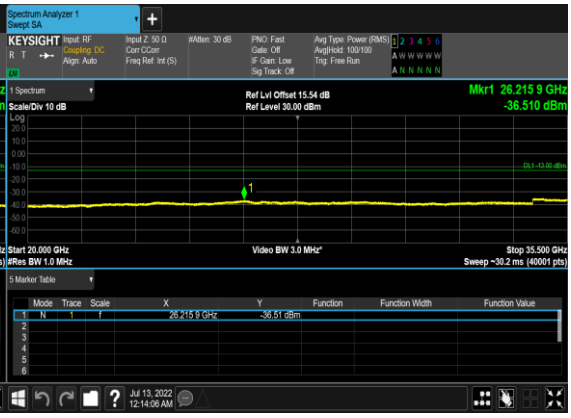
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



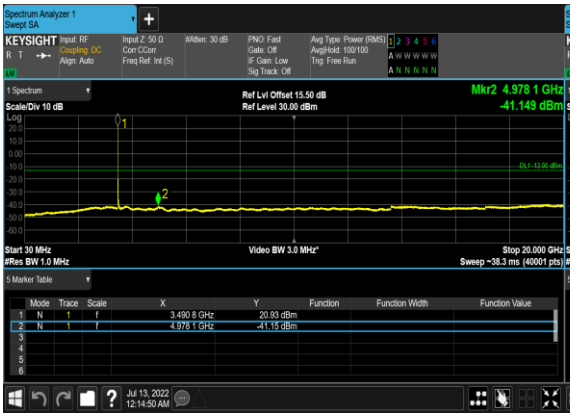
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



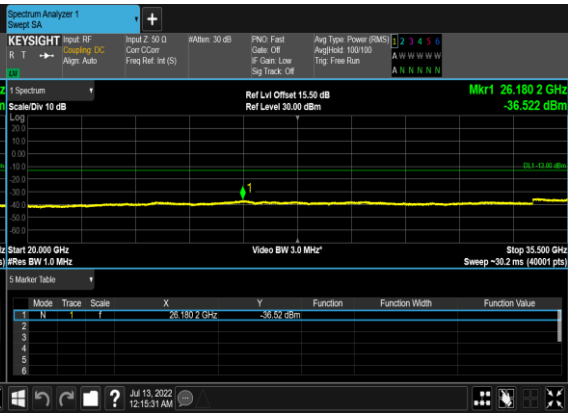
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



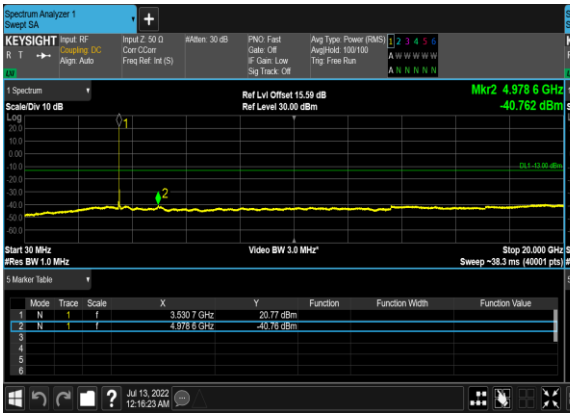
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



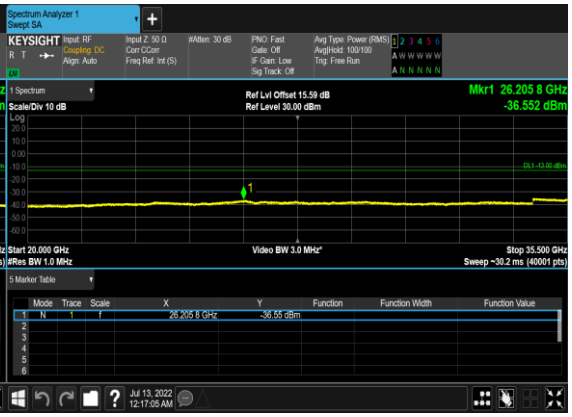
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



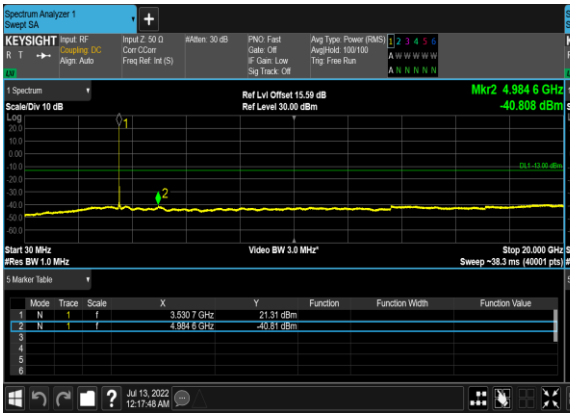
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



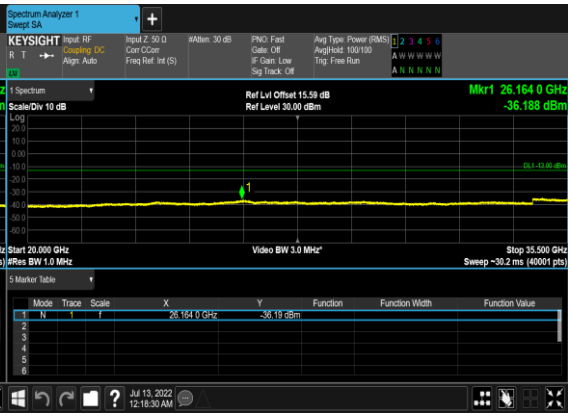
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



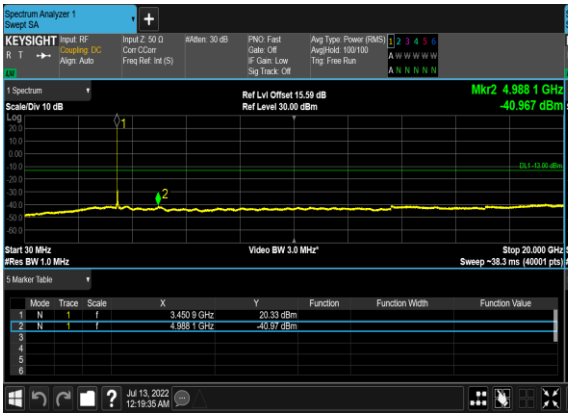
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



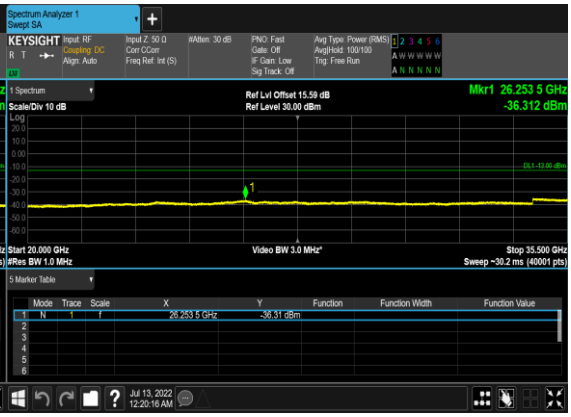
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



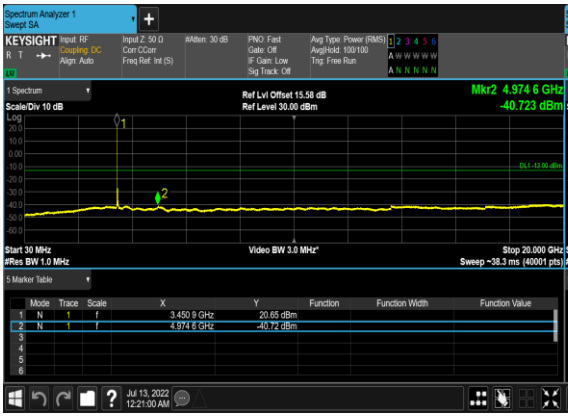
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



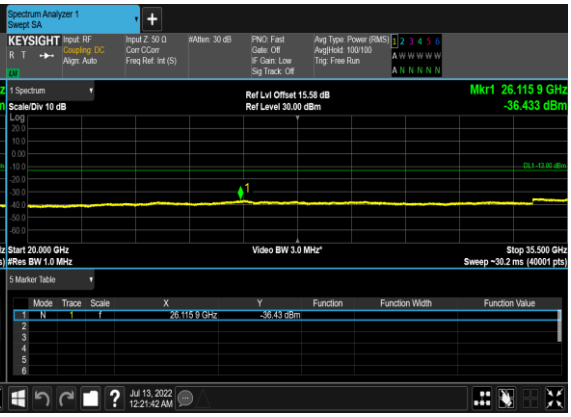
N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



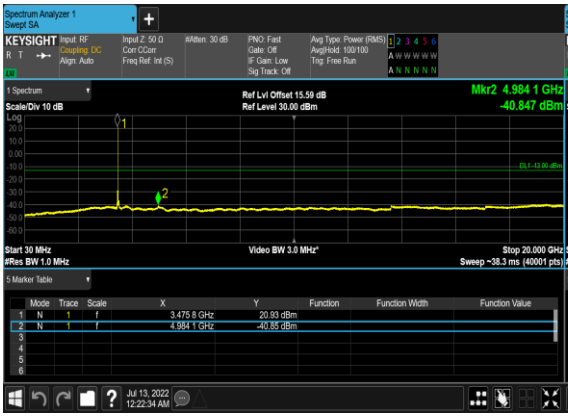
N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH