FCC RF Test Report

APPLICANT	**:**	**Motorola Mobility LLC**
EQUIPMENT	**:**	**Mobile Cellular Phone**
BRAND NAME	**:**	**Motorola**
MODEL NAME	**:**	**XT2323-2, XT2323-5, XT2323-6**
FCC ID	**:**	**IHDT56AL9**
STANDARD	**:**	**47 CFR Part 2, 22, 24, 27, 90(S)**
CLASSIFICATION	**:**	**PCS Licensed Transmitter Held to Ear (PCE)**
TEST DATE(S)	**:**	**May 20, 2023 ~ May 25, 2023**

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 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. (Kunshan), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia

ilac-MRA

ACCREDITED
Cert #5145.02

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

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG340401-01H	Rev. 01	Initial issue of report	Jun. 05, 2023

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§22.913(a)(5)	Effective Radiated Power (5G NR n5, n26)	ERP < 7 Watt		
	§27.50(c)(10)	Effective Radiated Power (5G NR n71)	ERP < 3 Watt		
	§24.232(c)	Equivalent Isotropic Radiated Power (5G NR n2, n25)	EIRP < 2Watt		
3.5	§24.232(d)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	Reporting Only	PASS	-
3.7	§2.1051 §24.238(a) §27.53(g)	Conducted Band Edge Measurement (5G NR n2, n5, n25, n26, n71)	< 43+10log10(P[Watts])	PASS	-
3.8	§2.1051 §24.238(a) §27.53(g)	Conducted Spurious Emission (5G NR n2, n5, n25, n26, n71)	< 43+10log10(P[Watts])	PASS	-
3.9	§2.1055 §24.235 §27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §24.238(a) §27.53(g)	Radiated Spurious Emission (5G NR n2, n5, n25, n26, n71)	< 43+10$\log_{10}$(P[Watts])	PASS	Under limit 26.42 dB at 2032.000 MHz

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

1 General Description

1.1 Applicant

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

1.2 Manufacturer

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

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2323-2, XT2323-5, XT2323-6
FCC ID	IHDT56AL9
IMEI Code	Conducted : 351606570017474/351606570017482 Radiation : 351606570016138/51606570016146
HW Version	DVT2
SW Version	T2TV33.23
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	5G NR n2 : 1850 MHz ~ 1910 MHz 5G NR n5 : 824 MHz ~ 849 MHz 5G NR n25 : 1850 MHz ~ 1915 MHz 5G NR n26 : 814 MHz ~ 849 MHz 5G NR n71: 663 MHz ~ 698 MHz
Rx Frequency	5G NR n2 : 1930 MHz ~ 1990 MHz 5G NR n5 : 869 MHz ~ 894 MHz 5G NR n25 : 1930 MHz ~ 1995 MHz 5G NR n26 : 859 MHz ~ 894 MHz 5G NR n71: 617 MHz ~ 652 MHz
Bandwidth	n2/n5/n25/n26/n71: 5MHz / 10MHz / 15MHz / 20MHz
SCS	15kHz
Antenna Gain	**<Ant. 0>** n2: -4.50 dBi n5: -4.34 dBi n25: -4.50 dBi n26: -4.34 dBi n71: -6.00 dBi **<Ant. 1>** n2: -3.30 dBi

	n5: -3.30 dBi n25: -3.30 dBi n26: -3.30 dBi n71: -5.50 dBi **<Ant. 2>** n2: -2.50 dBi n25: -2.50 dBi **<Ant. 3>** n2: -1.00 dBi n25: -1.00 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. The maximum ERP/EIRP is calculated from max output power and max antenna gain, only the maximum ERP/EIRP are shown in the report, 5G NR n2/n25 for Ant. 0 and n71 for Ant. 1.
2. 5G NR n2/n25/n71 support SA mode and NSA mode. According to the maximum power between SA and NSA mode, SA covers NSA mode for n2/n25/n71.
3. The device supports two PAs for 5G NR n2 (main PA and other PA), after comparison, we chose the max power & EIRP to show in the report.
4. All the supported ENDC combinations are verified conducted power, only the ENDC combination with highest power are shown in the report.
5. The EN-DC mode combination could be referred to the product spec.

1.5 Specification of Accessory

Specification of Accessory				
AC Adapter	**Brand Name**	Motorola(Salom)	**Model Name**	MC-301
Base Battery	**Brand Name**	Motorola (ATL)	**Model Name**	PM29
Flip Battery	**Brand Name**	Motorola (ATL)	**Model Name**	PV11
USB Cable 1	**Brand Name**	Motorola(Cabletech)	**Model Name**	SC18D13216
USB Cable 2	**Brand Name**	Motorola(Luxshare)	**Model Name**	SC18D13217
USB Cable 3	**Brand Name**	Motorola(Saibao)	**Model Name**	SC18D13215
USB Cable 4	**Brand Name**	Motorola(Saibao)	**Model Name**	SC18D86732

1.6 Modification of EUT

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

1.7 Re-use of Measured Data

1.7.1 Introduction Section

This application re-uses data collected on a similar device. The subject device of this application (Model: XT2323-2, XT2323-5, XT2323-6, FCC ID: IHDT56AL9) is electrically identical to the reference device (Model: XT2323-1, FCC ID: IHDT56AL8) for the portions of the circuitry corresponding to the data being re-used, Based on their similarity, the FCC Part 22(LTE Band 5/26)/90S(LTE B26) (equipment class: PCE) reuse the original model’s result and do spot-check, following the FCC KDB 484596 D01 v01.

The applicant takes full responsibility that the test data as referenced in this report represent compliance for this FCC ID: IHDT56AL9.

1.7.2 Difference Section

The **main** difference between FCC ID: IHDT56AL8 and FCC ID: IHDT56AL9 is as below:

- Remove LTE B19/32/42/43/38C, 5G NR n8/n38/n40.
- Add LTE B14/29/30/46/71/5B/66B/48C, 5G NR n12/n14/n25/n29/n30/n48/n70/n71;

Other differences and all the details of similarity and difference can be found in the confidential documents (XT2323-2, XT2323-5, XT2323-6_Operational Description of Product Equality Declaration).

1.7.3 Reference detail Section:

Rule Part	Equipment Class	Frequency Band (MHz)	Reference FCC ID (Parent)	Type Grant/ Permissive Change	Reference Title	FCC ID Filling (Variant)	Report Title/Section
22	PCE (5G NR)	n5/n26	IHDT56AL8	Original Grant	FG340401I	IHDT56AL9	All sections applicable
90S		n26	IHDT56AL8	Original Grant	FG340401J	IHDT56AL9	All sections applicable

1.7.4 Spot Check Verification Data Section

Conducted power test against the variant model based on the worst-case condition from the original model was performed in this filing to demonstrate the test data from original model remains representative for the variant model and added RSE testing for EN-DC combinations for n5.

Summary for power and RSE spot check for each rule entry and technology is listed as below:

Test Item	Mode	IHDT56AL8 Parent Worst Result	IHDT56AL9 Variant Check Result	Difference (dB)
Conducted Power (dBm)	n5	23.19	23.12	0.07
	n26	23.31	23.23	0.08
	n26(90S)	23.31	23.23	0.08

Note: For the RSE spot check, we select the worst mode across all 5G NR bands form parent report for comparison testing, the spot check data is in variant report No. FG340401-01I (5G NR n7).

Conclusion:

Radiated spurious emission test against the variant model based on the worst-case condition from the original model was performed in this filing to demonstrate the test data from original model remains representative for the variant model.

Based on the spot check test result, the test data from the original model is representative for the variant model. The power level and RSE spot check are shown within expected level compliant to limit line.

We are using power and ERP measurements from the original parent model reports to list on the grant. We confirm that the test data reuse policy of FCC KDB 484596 D01 Referencing Test Data v01 has been followed and the test data as referenced from the parent model report represents compliance with new FCC ID.

1.8 Maximum ERP/EIRP Power and Emission Designator

5G NR n2		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)
5	1852.5 ~ 1907.5	0.0807	4M48G7D	0.0820	4M49W7D
10	1855.0 ~ 1905.0	0.0811	9M27G7D	0.0807	9M29W7D
15	1857.5 ~ 1902.5	0.0824	14M1G7D	0.0836	14M1W7D
20	1860.0 ~ 1900.0	0.0838	18M9G7D	0.0834	18M9W7D

5G NR n25		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)
5	1852.5 ~ 1912.5	0.1099	4M48G7D	0.0805	4M48W7D
10	1855.0 ~ 1910.0	0.1081	9M28G7D	0.0778	9M30W7D
15	1857.5 ~ 1907.5	0.1102	14M1G7D	0.0828	14M1W7D
20	1860.0 ~ 1905.0	0.1030	18M9G7D	0.0802	18M9W7D

5G NR n71		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	665.5 ~ 695.5	0.0399	4M46G7D	0.0386	4M48W7D
10	668.0 ~ 693.0	0.0405	9M25G7D	0.0337	9M27W7D
15	670.5 ~ 690.5	0.0407	14M0G7D	0.0337	14M1W7D
20	673.0 ~ 688.0	0.0403	18M8G7D	0.0333	18M9W7D

Note: All modulations have been tested, only the worst test results of PSK & QAM are shown in the report.

1.9 Testing Location

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

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

1.10 Test Software

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

1.11 Applicable Standards

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

- 47 CFR Part 2, 22, 24, 27, 90(S)
- 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 flip open and close state in three orthogonal panels X, Y, Z. The worst cases (X/Z plane with flip open) were recorded in this report.

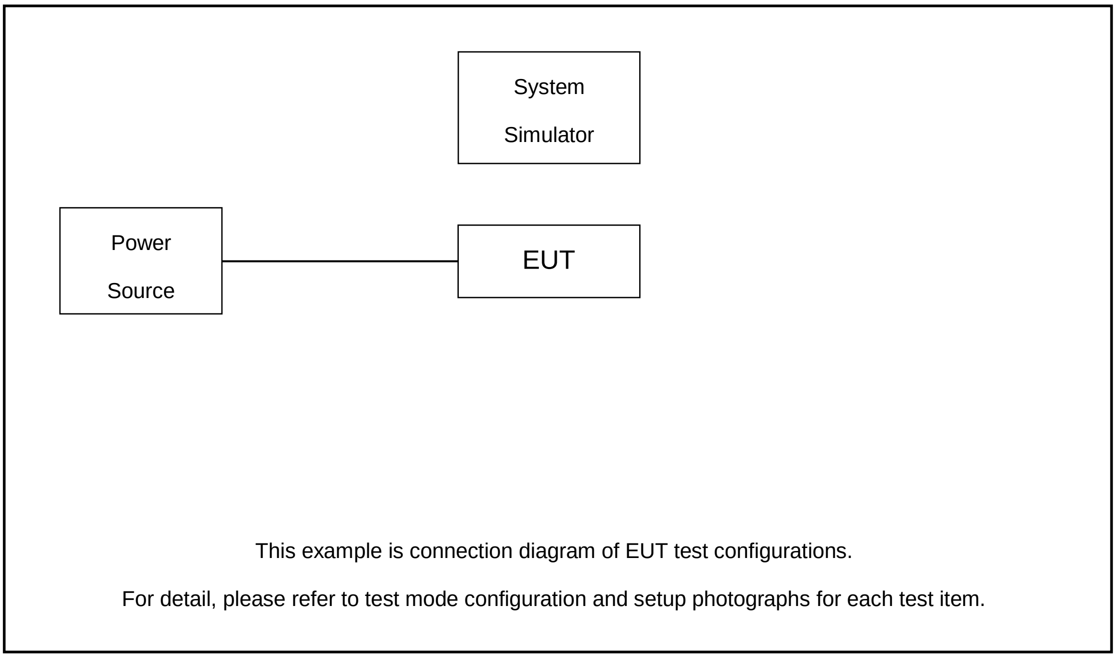
The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.

Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			

Test Items	5G NR	Bandwidth (MHz)													Modulation					RB #		Test Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16 QAM	64 QAM	256 QAM	1	Full	L	M	H
Max. Output Power	n2	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n25	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n71	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	n2				v	-	-	-	-	-	-	-	-	-	v	v				v	v		v	
	n25				v	-	-	-	-	-	-	-	-	-	v	v				v	v		v	
	n71				v	-	-	-	-	-	-	-	-	-	v	v				v	v		v	
26dB and 99% Bandwidth	n2	v	v	v	v	-	-	-	-	-	-	-	-	-		v	v	v	v		v		v	
	n25	v	v	v	v	-	-	-	-	-	-	-	-	-		v	v	v	v		v		v	
	n71	v	v	v	v	-	-	-	-	-	-	-	-	-		v	v	v	v		v		v	
Conducted Band Edge	n2	v	v		v	-	-	-	-	-	-	-	-	-	v	v				v	v	v		v
	n25	v	v		v	-	-	-	-	-	-	-	-	-	v	v				v	v	v		v
	n71	v	v		v	-	-	-	-	-	-	-	-	-	v	v				v	v	v		v
Conducted Spurious Emission	n2	v	v		v	-	-	-	-	-	-	-	-	-	v	v				v		v	v	v
	n25	v	v		v	-	-	-	-	-	-	-	-	-	v	v				v		v	v	v
	n71	v	v		v	-	-	-	-	-	-	-	-	-	v	v				v		v	v	v

Test Items	5G NR	Bandwidth (MHz)													Modulation					RB #		Test Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16 QAM	64 QAM	256 QAM	1	Full	L	M	H
Frequency Stability	n2				v	-	-	-	-	-	-	-	-	-		v					v		v	
	n25				v	-	-	-	-	-	-	-	-	-		v					v		v	
	n71				v	-	-	-	-	-	-	-	-	-		v					v		v	
E.R.P / E.I.R.P	n2	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n25	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n71	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	n2	Worst Case																				v	v	v
	n5	Worst Case																				v	v	v
	n25	Worst Case																				v	v	v
	n71	Worst Case																				v	v	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 = 3.91V ；Low Voltage =3.4V.；High Voltage =4.5V 5. All test items are based on engineering evaluation.																							

2.2 Connection Diagram of Test System



The EUT has been configuration operated in a manner tended to maximize its emission characteristics in a typical application.

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

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

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 5.4 dB and 20dB attenuator.

Example :

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

= 5.4 + 10 = 25.4 (dB)

2.5 Frequency List of Low/Middle/High Channels

5G NR n2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	372000	376000	380000
	Frequency	1860	1880	1900
15	Channel	371500	376000	380500
	Frequency	1857.5	1880	1902.5
10	Channel	371000	376000	381000
	Frequency	1855	1880	1905
5	Channel	370500	376000	381500
	Frequency	1852.5	1880	1907.5

5G NR n5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	166800	167300	167800
	Frequency	834	836.5	839
15	Channel	166300	167300	168300
	Frequency	831.5	836.5	841.5
10	Channel	165800	167300	168800
	Frequency	829	836.5	844
5	Channel	165300	167300	169300
	Frequency	826.5	836.5	846.5

5G NR n25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	372000	376500	381000
	Frequency	1860	1882.5	1905
15	Channel	371500	376500	381500
	Frequency	1857.5	1882.5	1907.5
10	Channel	371000	376500	382000
	Frequency	1855	1882.5	1910
5	Channel	370500	376500	382500
	Frequency	1852.5	1882.5	1912.5

5G NR n26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	166800	167300	167800
	Frequency	834	836.5	839
15	Channel	166300	167300	168300
	Frequency	831.5	836.5	841.5
10	Channel	165800	167300	168800
	Frequency	829	836.5	844
5	Channel	165300	167300	169300
	Frequency	826.5	836.5	846.5

5G NR n71 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	134600	136100	137600
	Frequency	673	680.5	688
15	Channel	134100	136100	138100
	Frequency	670.5	680.5	690.5
10	Channel	133600	136100	138600
	Frequency	668	680.5	693
5	Channel	133100	136100	139100
	Frequency	665.5	680.5	695.5

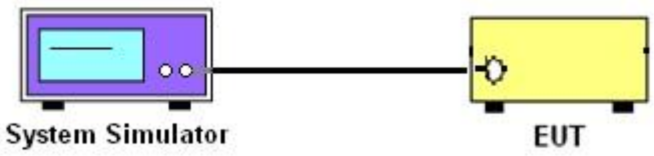
3 Conducted Test Items

3.1 Measuring Instruments

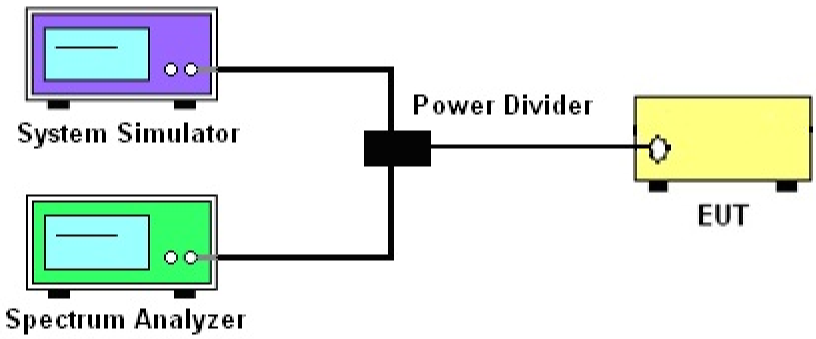
See list of measuring instruments of this test report.

3.2 Test Setup

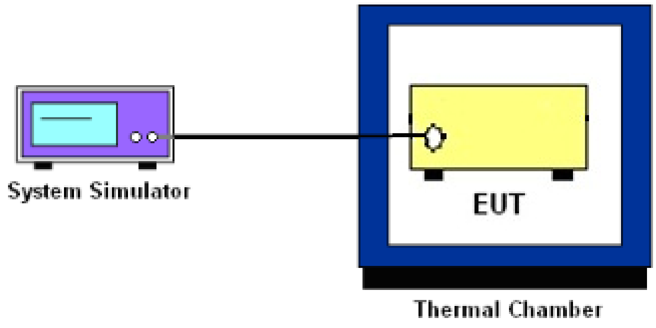
3.2.1 Conducted Output Power



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 ERP/EIRP

3.4.1 Description of the Conducted Output Power Measurement and ERP/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 ERP of mobile transmitters must not exceed 3 Watts for 5G NR n71.

The EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n2, n25.

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

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is 43 + $10\log_{10}$(P[Watts]) dB below the transmitter power P(Watts) in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (g)

For operations in the 600MHz band and 698 -746 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

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 10^{th} 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.

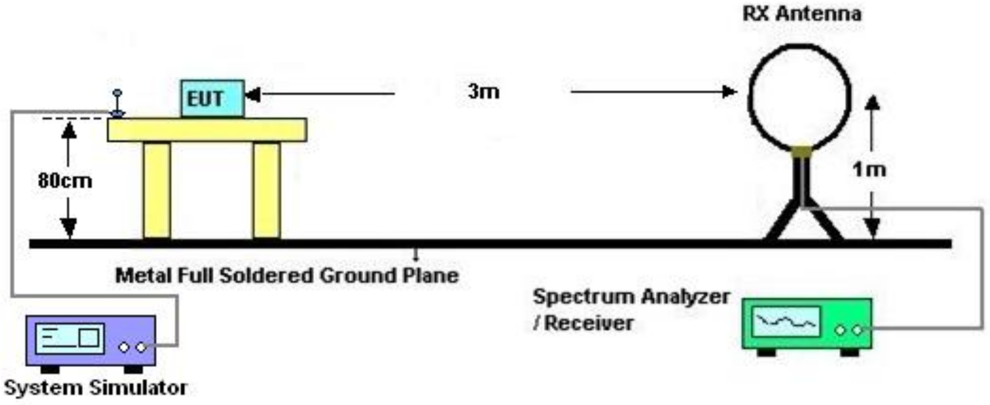
4 Radiated Test Items

4.1 Measuring Instruments

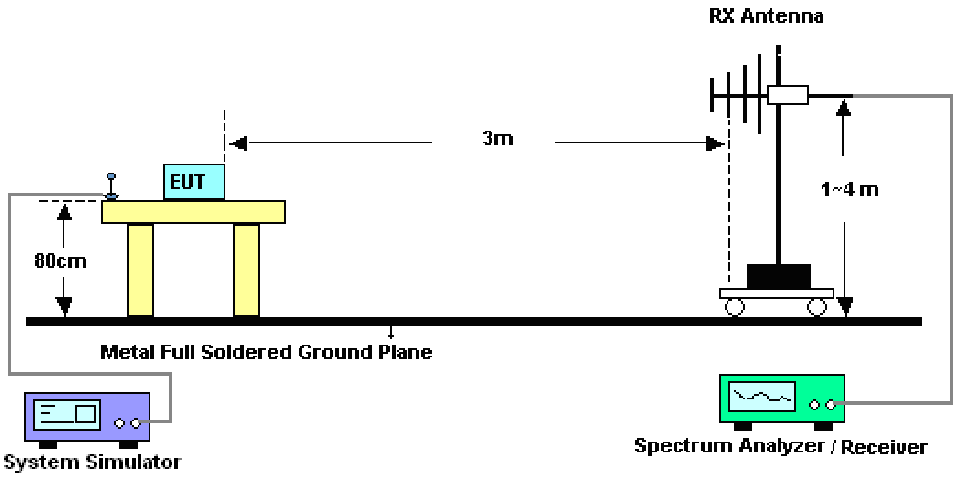
See list of measuring instruments of this test report.

4.2 Test Setup

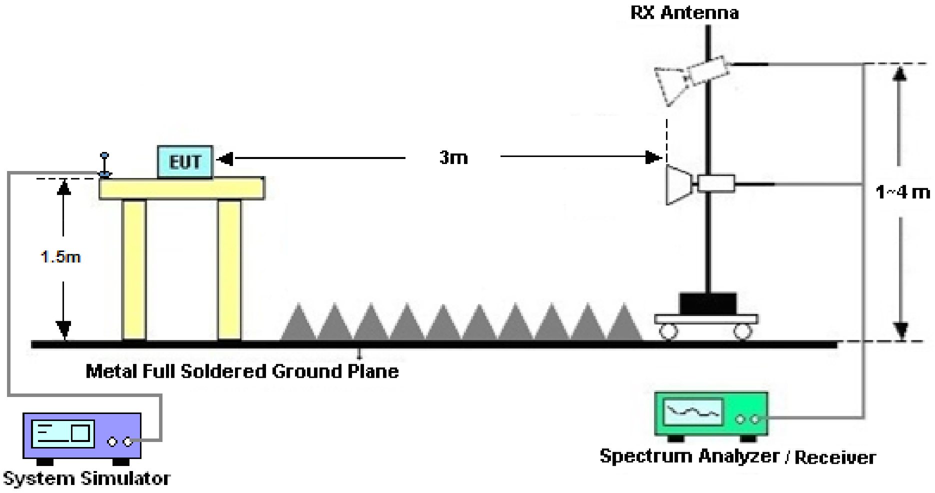
4.2.1 For radiated test below 30MHz



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
EXA Spectrum Analyzer	Keysight	N9010B	MY57471079	10Hz-44G,MAX 30dB	Oct. 12, 2022	May 20, 2023~ May 24, 2023	Oct. 11, 2023	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	May 20, 2023~ May 24, 2023	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 15, 2022	May 20, 2023~ May 24, 2023	Jul. 14, 2023	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY57471079	10Hz-44G,MAX 30dB	Oct. 12, 2022	May 25, 2023	Oct. 11, 2023	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 16, 2022	May 25, 2023	Oct. 15, 2023	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	Apr. 09, 2023	May 25, 2023	Apr. 08, 2024	Radiation (03CH04-KS)
Horn Antenna	Schwarzbeck	BBHA9120D	1284	1GHz~18GHz	Oct. 16, 2022	May 25, 2023	Oct. 15, 2023	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 08, 2023	May 25, 2023	Jan. 07, 2024	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Jul. 11, 2022	May 25, 2023	Jul. 10, 2023	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40G GA	060728	18~40GHz	Jan. 05, 2023	May 25, 2023	Jan. 04, 2024	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18G A	060840	1Ghz-18Ghz	Oct. 12, 2022	May 25, 2023	Oct. 11, 2023	Radiation (03CH04-KS)
Amplifier	Agilent	8449B	3008A02370	1Ghz-18Ghz	Oct. 12, 2022	May 25, 2023	Oct. 11, 2023	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	May 25, 2023	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	May 25, 2023	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	May 25, 2023	NCR	Radiation (03CH04-KS)

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 Power	±0.46 dB
Conducted Emissions	±0.48 dB
Occupied Channel Bandwidth	±0.1 %

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.82 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.56 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.54 dB

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

Appendix A. Test Results of Conducted Test

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

Software Version: 23.04.1201

FR1 N2 (ANT0) - Main PA

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-4.5dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
2	15	5	370500	1852.5	DFT-s-OFDM PI/2 BPSK	1@1	23.5	19	0.0794
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@1	23.57	19.07	0.0807
2	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	1@1	23.64	19.14	0.0820
2	15	5	376000	1880	DFT-s-OFDM PI/2 BPSK	1@1	23.28	18.78	0.0755
2	15	5	376000	1880	DFT-s-OFDM QPSK	1@1	23.46	18.96	0.0787
2	15	5	376000	1880	DFT-s-OFDM 16 QAM	1@1	23.47	18.97	0.0789
2	15	5	381500	1907.5	DFT-s-OFDM PI/2 BPSK	1@1	23.22	18.72	0.0745
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	1@1	23.53	19.03	0.0800
2	15	5	381500	1907.5	DFT-s-OFDM 16 QAM	1@1	23.43	18.93	0.0782
2	15	10	371000	1855	DFT-s-OFDM PI/2 BPSK	1@1	23.44	18.94	0.0783
2	15	10	371000	1855	DFT-s-OFDM QPSK	1@1	23.59	19.09	0.0811
2	15	10	371000	1855	DFT-s-OFDM 16 QAM	1@1	23.57	19.07	0.0807
2	15	10	376000	1880	DFT-s-OFDM PI/2 BPSK	1@1	23.29	18.79	0.0757
2	15	10	376000	1880	DFT-s-OFDM QPSK	1@1	23.52	19.02	0.0798
2	15	10	376000	1880	DFT-s-OFDM 16 QAM	1@1	23.53	19.03	0.0800
2	15	10	381000	1905	DFT-s-OFDM PI/2 BPSK	1@1	23.2	18.7	0.0741
2	15	10	381000	1905	DFT-s-OFDM QPSK	1@1	23.44	18.94	0.0783
2	15	10	381000	1905	DFT-s-OFDM 16 QAM	1@1	23.44	18.94	0.0783
2	15	15	371500	1857.5	DFT-s-OFDM PI/2 BPSK	1@1	23.53	19.03	0.0800
2	15	15	371500	1857.5	DFT-s-OFDM QPSK	1@1	23.66	19.16	0.0824
2	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	1@1	23.72	19.22	0.0836
2	15	15	376000	1880	DFT-s-OFDM PI/2 BPSK	1@1	23.34	18.84	0.0766
2	15	15	376000	1880	DFT-s-OFDM QPSK	1@1	23.57	19.07	0.0807
2	15	15	376000	1880	DFT-s-OFDM 16 QAM	1@1	23.58	19.08	0.0809
2	15	15	380500	1902.5	DFT-s-OFDM PI/2 BPSK	1@1	23.28	18.78	0.0755
2	15	15	380500	1902.5	DFT-s-OFDM QPSK	1@1	23.48	18.98	0.0791
2	15	15	380500	1902.5	DFT-s-OFDM 16 QAM	1@1	23.5	19	0.0794
2	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	50@25	23.64	19.14	0.0820
2	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	1@1	23.52	19.02	0.0798
2	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	1@104	23.55	19.05	0.0804
2	15	20	372000	1860	DFT-s-OFDM QPSK	50@25	23.67	19.17	0.0826
2	15	20	372000	1860	DFT-s-OFDM QPSK	1@1	23.68	19.18	0.0828
2	15	20	372000	1860	DFT-s-OFDM QPSK	1@104	23.69	19.19	0.0830
2	15	20	372000	1860	DFT-s-OFDM 16 QAM	50@25	23.61	19.11	0.0815
2	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@1	23.68	19.18	0.0828
2	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@104	23.71	19.21	0.0834
2	15	20	372000	1860	DFT-s-OFDM 64 QAM	50@25	22.72	18.22	0.0664
2	15	20	372000	1860	DFT-s-OFDM 64 QAM	1@1	22.8	18.3	0.0676

2	15	20	372000	1860	DFT-s-OFDM 64 QAM	1@104	22.79	18.29	0.0675
2	15	20	372000	1860	DFT-s-OFDM 256 QAM	50@25	20.64	16.14	0.0411
2	15	20	372000	1860	DFT-s-OFDM 256 QAM	1@1	20.33	15.83	0.0383
2	15	20	372000	1860	DFT-s-OFDM 256 QAM	1@104	20.3	15.8	0.0380
2	15	20	372000	1860	CP-OFDM QPSK	53@26	23.7	19.2	0.0832
2	15	20	372000	1860	CP-OFDM QPSK	1@1	23.61	19.11	0.0815
2	15	20	372000	1860	CP-OFDM QPSK	1@104	23.73	19.23	0.0838
2	15	20	376000	1880	DFT-s-OFDM PI/2 BPSK	50@25	23.48	18.98	0.0791
2	15	20	376000	1880	DFT-s-OFDM PI/2 BPSK	1@1	23.49	18.99	0.0793
2	15	20	376000	1880	DFT-s-OFDM PI/2 BPSK	1@104	23.36	18.86	0.0769
2	15	20	376000	1880	DFT-s-OFDM QPSK	50@25	23.47	18.97	0.0789
2	15	20	376000	1880	DFT-s-OFDM QPSK	1@1	23.57	19.07	0.0807
2	15	20	376000	1880	DFT-s-OFDM QPSK	1@104	23.49	18.99	0.0793
2	15	20	376000	1880	DFT-s-OFDM 16 QAM	50@25	23.46	18.96	0.0787
2	15	20	376000	1880	DFT-s-OFDM 16 QAM	1@1	23.64	19.14	0.0820
2	15	20	376000	1880	DFT-s-OFDM 16 QAM	1@104	23.53	19.03	0.0800
2	15	20	376000	1880	DFT-s-OFDM 64 QAM	50@25	22.47	17.97	0.0627
2	15	20	376000	1880	DFT-s-OFDM 64 QAM	1@1	22.78	18.28	0.0673
2	15	20	376000	1880	DFT-s-OFDM 64 QAM	1@104	22.62	18.12	0.0649
2	15	20	376000	1880	DFT-s-OFDM 256 QAM	50@25	20.15	15.65	0.0367
2	15	20	376000	1880	DFT-s-OFDM 256 QAM	1@1	20.16	15.66	0.0368
2	15	20	376000	1880	DFT-s-OFDM 256 QAM	1@104	20.07	15.57	0.0361
2	15	20	376000	1880	CP-OFDM QPSK	53@26	23.41	18.91	0.0778
2	15	20	376000	1880	CP-OFDM QPSK	1@1	23.54	19.04	0.0802
2	15	20	376000	1880	CP-OFDM QPSK	1@104	23.43	18.93	0.0782
2	15	20	380000	1900	DFT-s-OFDM PI/2 BPSK	50@25	23.35	18.85	0.0767
2	15	20	380000	1900	DFT-s-OFDM PI/2 BPSK	1@1	23.26	18.76	0.0752
2	15	20	380000	1900	DFT-s-OFDM PI/2 BPSK	1@104	23.31	18.81	0.0760
2	15	20	380000	1900	DFT-s-OFDM QPSK	50@25	23.32	18.82	0.0762
2	15	20	380000	1900	DFT-s-OFDM QPSK	1@1	23.52	19.02	0.0798
2	15	20	380000	1900	DFT-s-OFDM QPSK	1@104	23.49	18.99	0.0793
2	15	20	380000	1900	DFT-s-OFDM 16 QAM	50@25	23.37	18.87	0.0771
2	15	20	380000	1900	DFT-s-OFDM 16 QAM	1@1	23.49	18.99	0.0793
2	15	20	380000	1900	DFT-s-OFDM 16 QAM	1@104	23.51	19.01	0.0796
2	15	20	380000	1900	DFT-s-OFDM 64 QAM	50@25	22.43	17.93	0.0621
2	15	20	380000	1900	DFT-s-OFDM 64 QAM	1@1	22.61	18.11	0.0647
2	15	20	380000	1900	DFT-s-OFDM 64 QAM	1@104	22.62	18.12	0.0649
2	15	20	380000	1900	DFT-s-OFDM 256 QAM	50@25	20.34	15.84	0.0384
2	15	20	380000	1900	DFT-s-OFDM 256 QAM	1@1	20.41	15.91	0.0390
2	15	20	380000	1900	DFT-s-OFDM 256 QAM	1@104	20.12	15.62	0.0365
2	15	20	380000	1900	CP-OFDM QPSK	53@26	23.38	18.88	0.0773
2	15	20	380000	1900	CP-OFDM QPSK	1@1	23.45	18.95	0.0785
2	15	20	380000	1900	CP-OFDM QPSK	1@104	23.43	18.93	0.0782

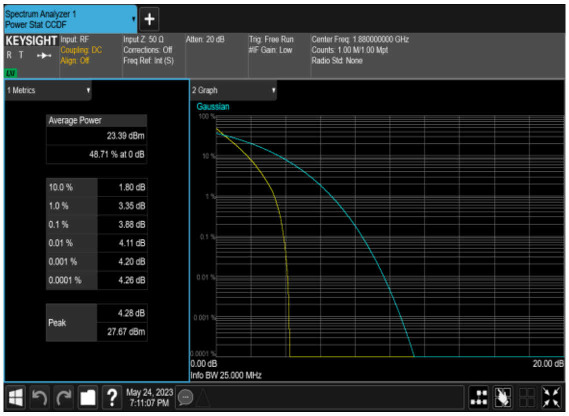
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0022	**PASS**	NV
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0014	**PASS**	LV
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0023	**PASS**	HV
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0028	**PASS**	-30℃
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0026	**PASS**	-20℃
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	-0.0016	**PASS**	-10℃
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0019	**PASS**	0℃
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	-0.0007	**PASS**	10℃
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0018	**PASS**	20℃
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0023	**PASS**	30℃
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0011	**PASS**	40℃
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0027	**PASS**	50℃

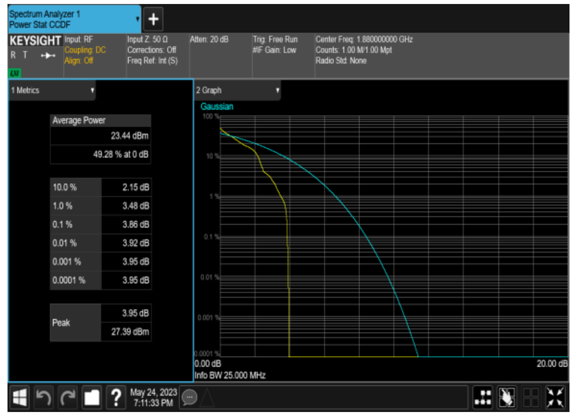
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
2	15	20	376000	1880.0	DFT-s-OFDM PI/2 BPSK	100@0	3.88	13	**PASS**
2	15	20	376000	1880.0	DFT-s-OFDM PI/2 BPSK	1@0	3.86	13	**PASS**
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	100@0	4.64	13	**PASS**
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	1@0	3.51	13	**PASS**

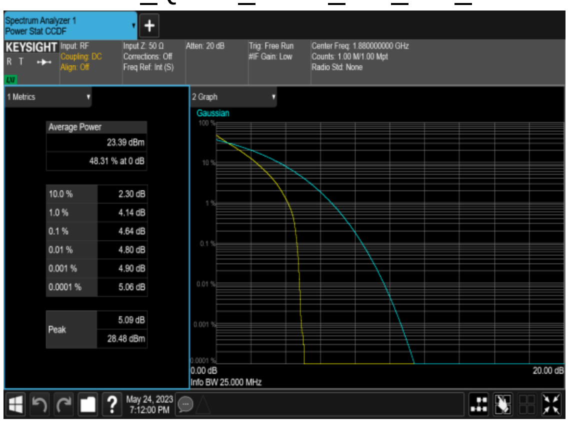
N2(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N2(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



N2(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

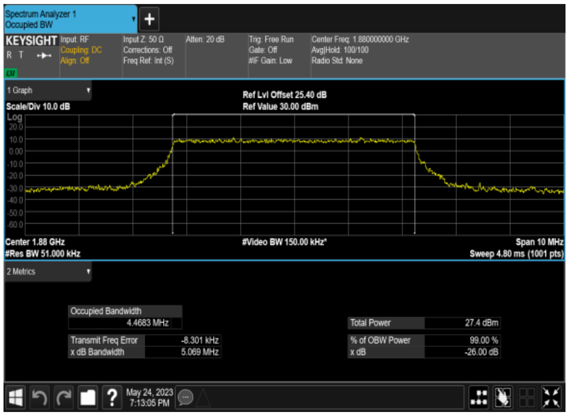


N2(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

Occupied Bandwidth

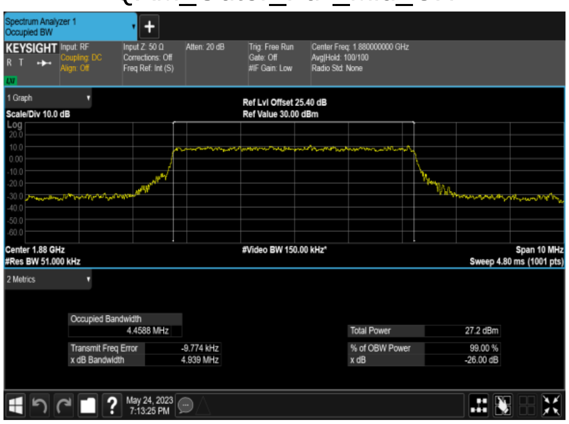
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
2	15	5	376000	1880.0	CP-OFDM QPSK	25@0	4.4683	5.069
2	15	5	376000	1880.0	CP-OFDM 16 QAM	25@0	4.4933	5.218
2	15	5	376000	1880.0	CP-OFDM 64 QAM	25@0	4.4588	4.939
2	15	5	376000	1880.0	CP-OFDM 256 QAM	25@0	4.4812	5.044
2	15	10	376000	1880.0	CP-OFDM QPSK	52@0	9.27	10.05
2	15	10	376000	1880.0	CP-OFDM 16 QAM	52@0	9.2919	10.0
2	15	10	376000	1880.0	CP-OFDM 64 QAM	52@0	9.2826	9.883
2	15	10	376000	1880.0	CP-OFDM 256 QAM	52@0	9.2876	9.945
2	15	15	376000	1880.0	CP-OFDM QPSK	79@0	14.092	14.94
2	15	15	376000	1880.0	CP-OFDM 16 QAM	79@0	14.095	14.87
2	15	15	376000	1880.0	CP-OFDM 64 QAM	79@0	14.132	14.91
2	15	15	376000	1880.0	CP-OFDM 256 QAM	79@0	14.074	14.85
2	15	20	376000	1880.0	CP-OFDM QPSK	106@0	18.906	19.87
2	15	20	376000	1880.0	CP-OFDM 16 QAM	106@0	18.916	19.76
2	15	20	376000	1880.0	CP-OFDM 64 QAM	106@0	18.9	19.85
2	15	20	376000	1880.0	CP-OFDM 256 QAM	106@0	18.941	19.83

N2(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

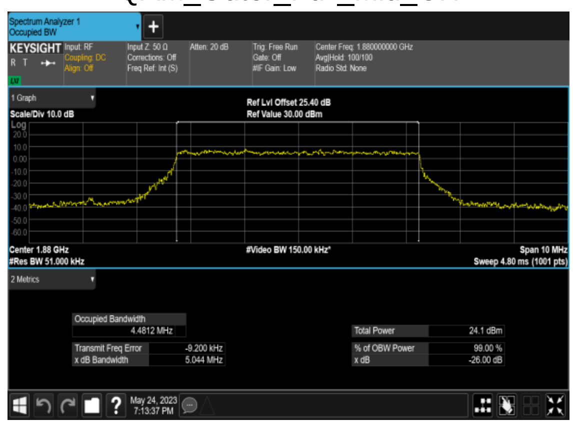


N2(5M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

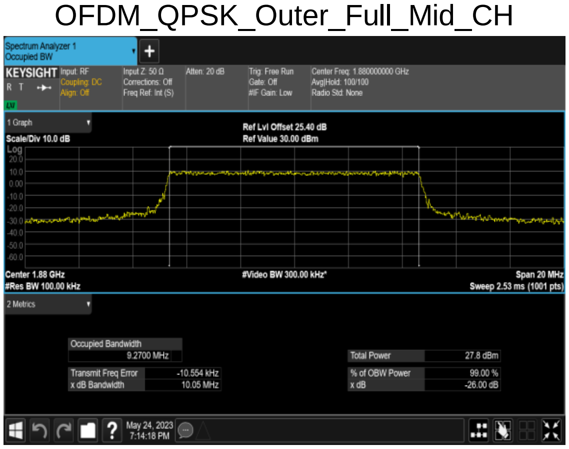
N2(5M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



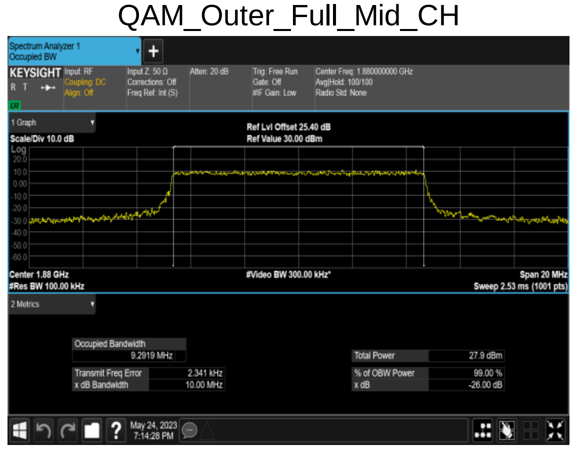
N2(5M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N2(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N2(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

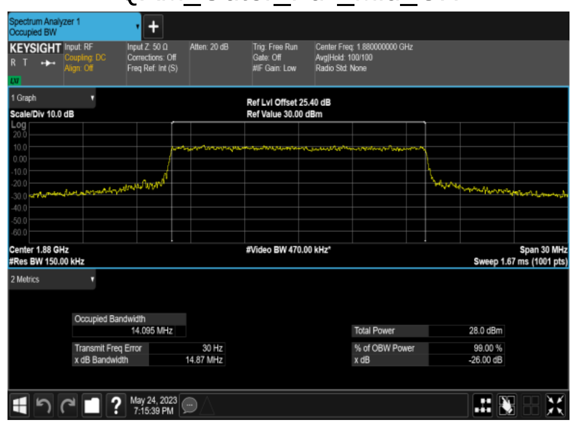


N2(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

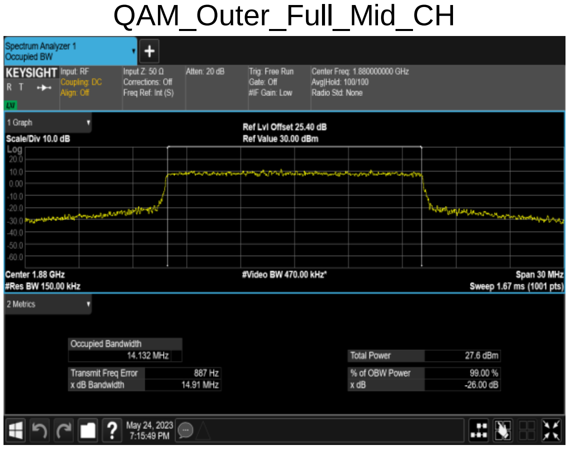
N2(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N2(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

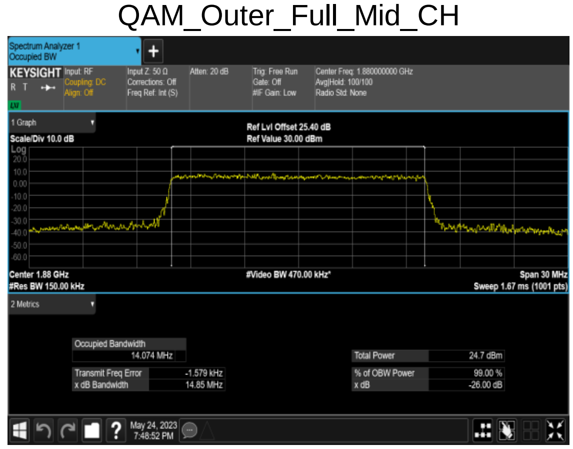
N2(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N2(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



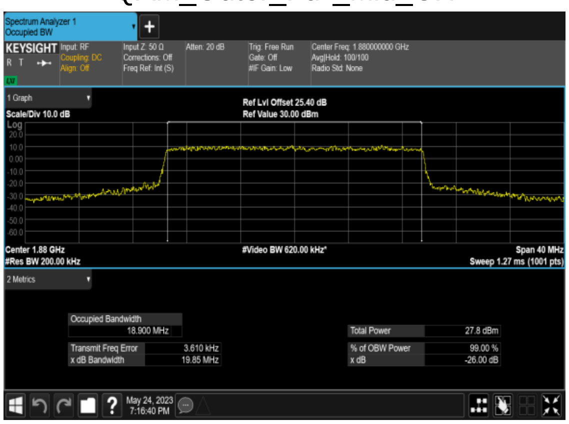
N2(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



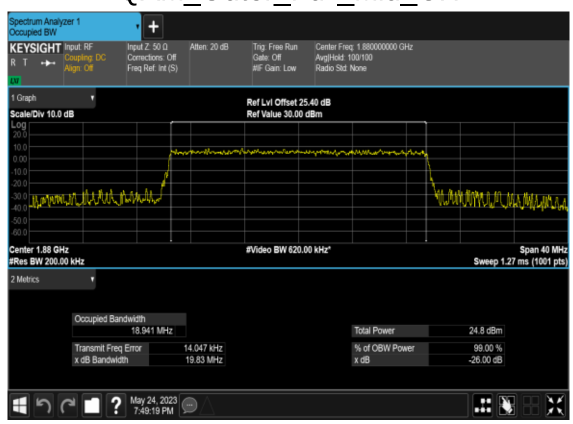
N2(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N2(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N2(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N2(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

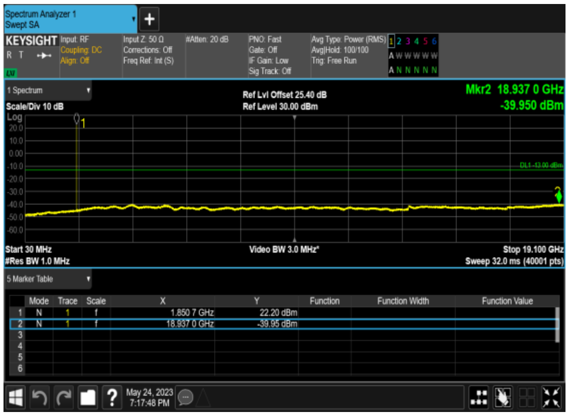


Conducted Spurious Emissions

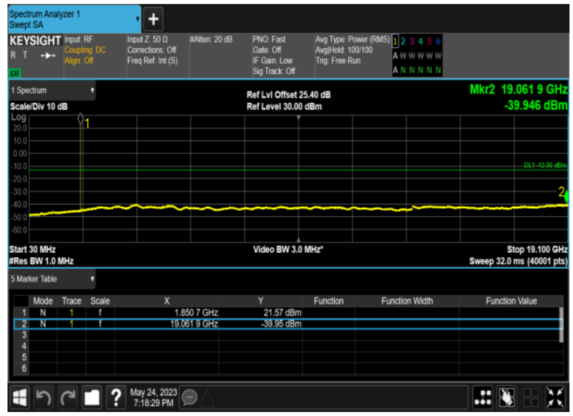
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
2	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
2	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
2	15	5	376000	1880.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
2	15	5	376000	1880.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	5	376000	1880.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
2	15	5	376000	1880.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
2	15	5	381500	1907.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
2	15	5	381500	1907.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
2	15	10	371000	1855.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
2	15	10	371000	1855.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	10	371000	1855.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
2	15	10	371000	1855.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
2	15	10	376000	1880.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
2	15	10	376000	1880.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	10	376000	1880.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
2	15	10	376000	1880.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
2	15	10	381000	1905.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
2	15	10	381000	1905.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	10	381000	1905.0	DFT-s-OFDM QPSK	1@0	see graph	**---**

2	15	10	381000	1905.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
2	15	20	372000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
2	15	20	372000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
2	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
2	15	20	376000	1880.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
2	15	20	376000	1880.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
2	15	20	380000	1900.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
2	15	20	380000	1900.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	20	380000	1900.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
2	15	20	380000	1900.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

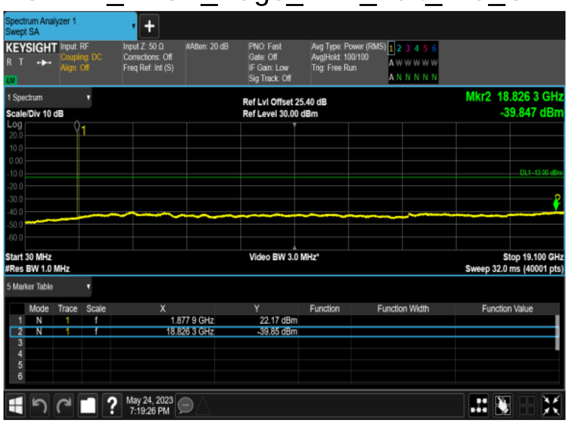
N2(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



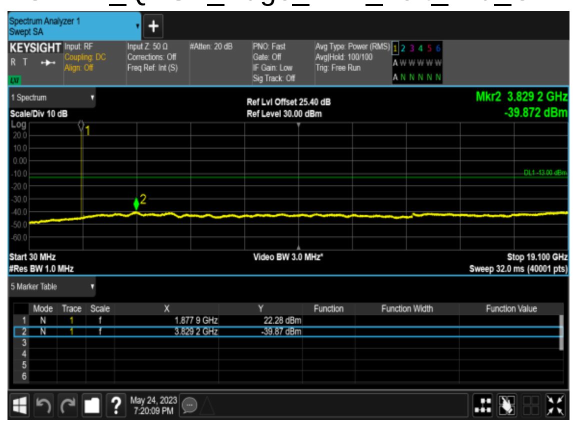
N2(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



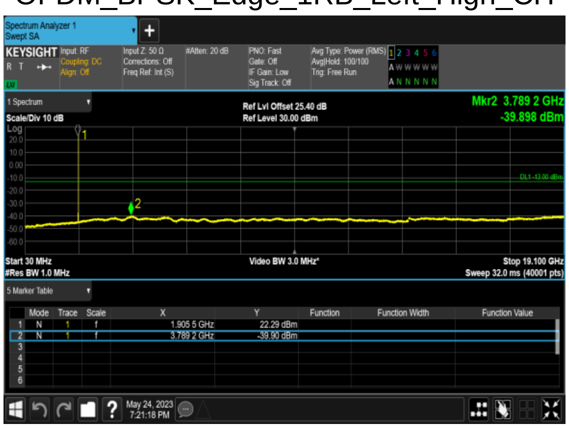
N2(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



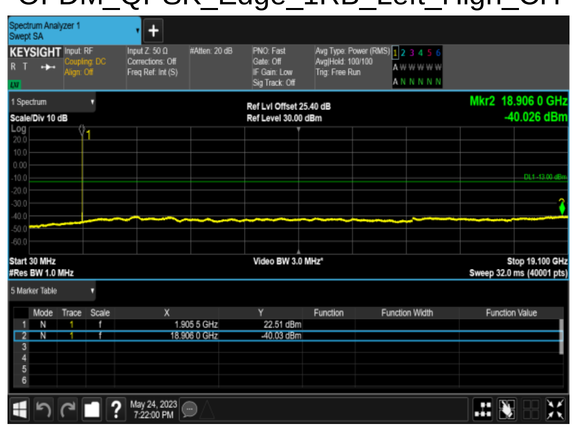
N2(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



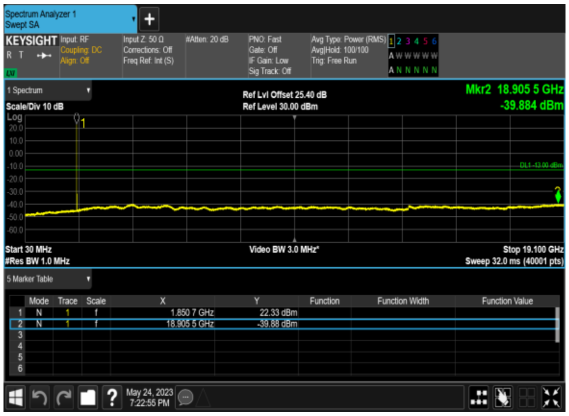
N2(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



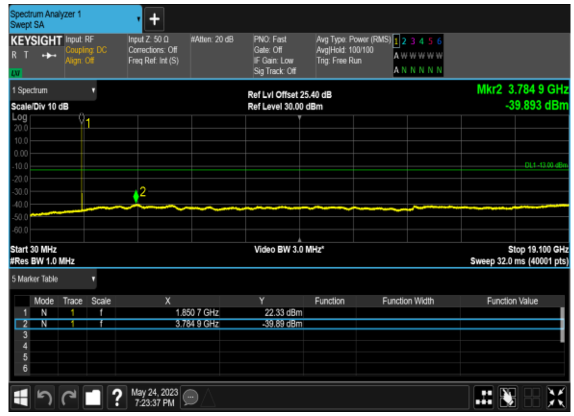
N2(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



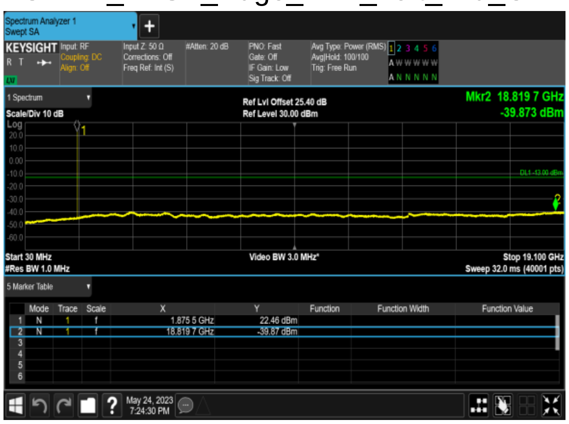
N2(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



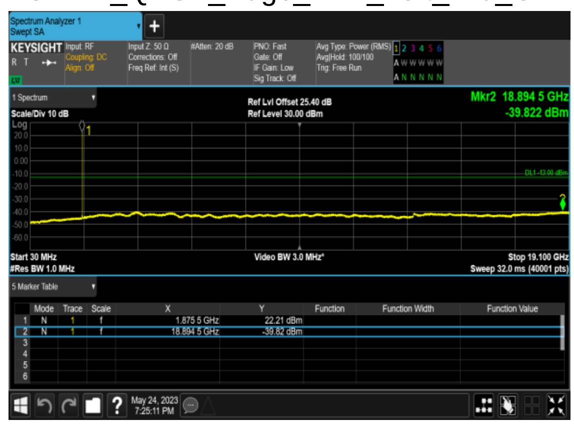
N2(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



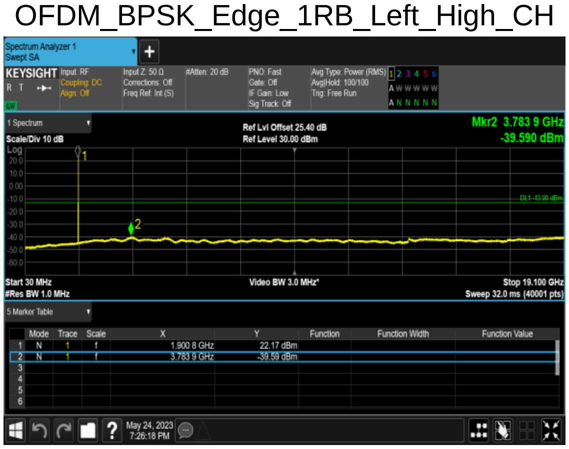
N2(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



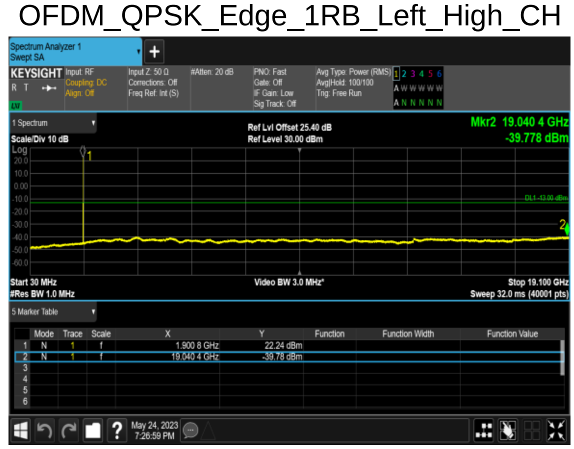
N2(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



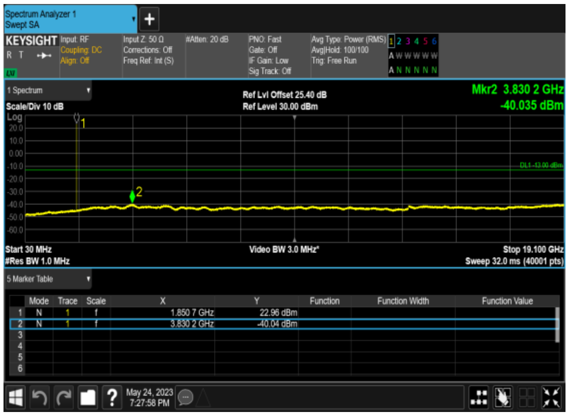
N2(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



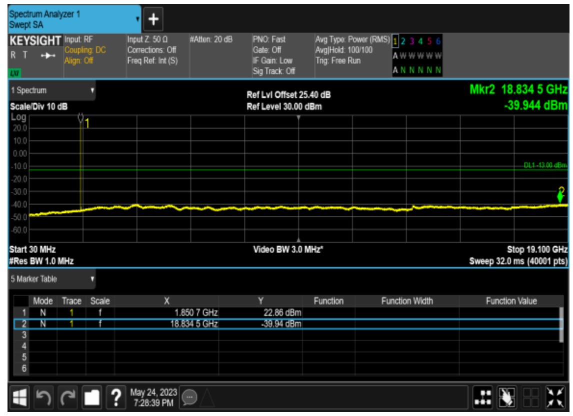
N2(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



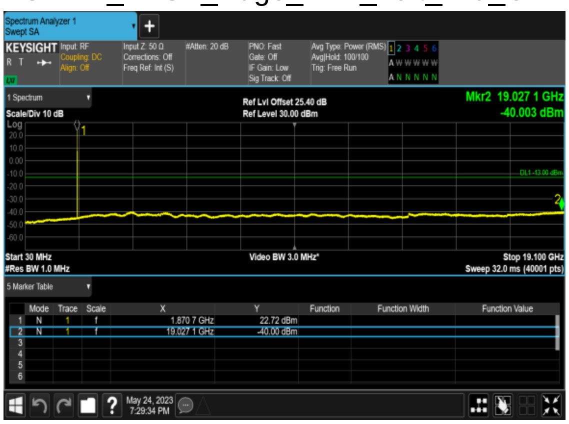
N2(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



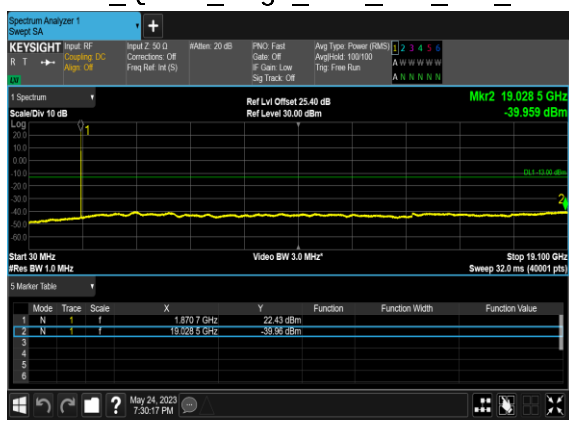
N2(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



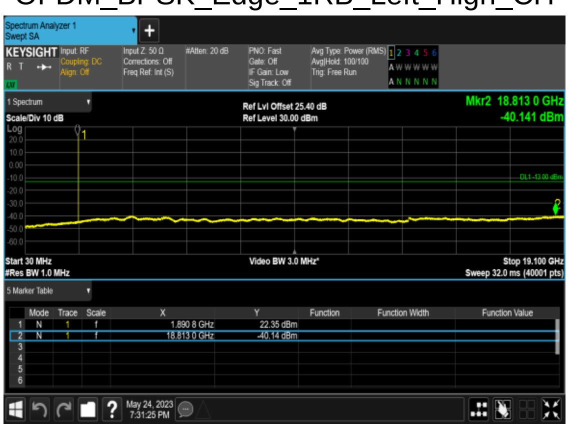
N2(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



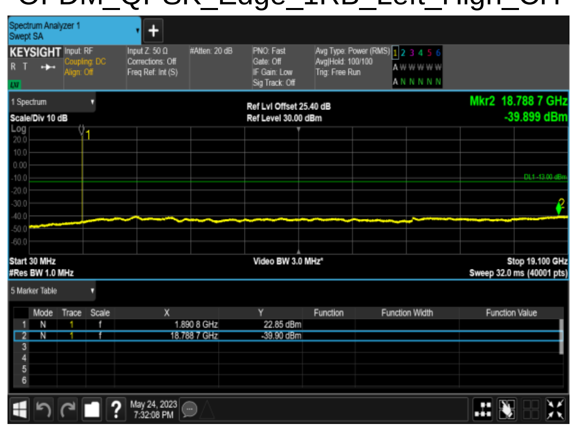
N2(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N2(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



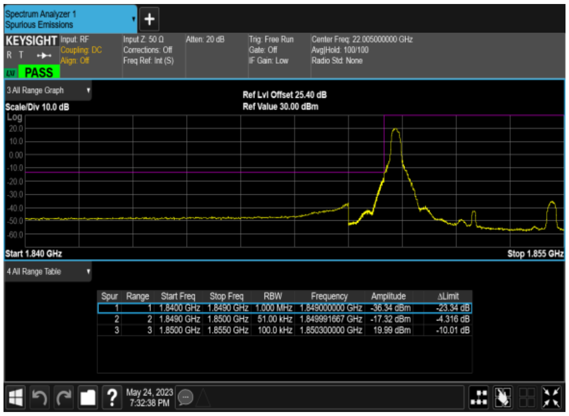
N2(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



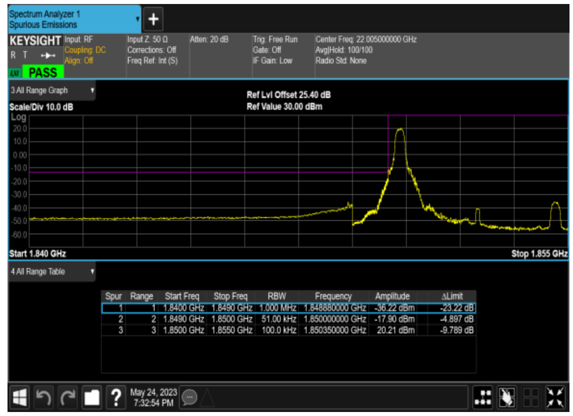
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
2	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
2	15	5	370500	1852.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
2	15	5	381500	1907.5	DFT-s-OFDM BPSK	1@24	see graph	**PASS**
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	1@24	see graph	**PASS**
2	15	5	381500	1907.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
2	15	10	371000	1855.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	10	371000	1855.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
2	15	10	371000	1855.0	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
2	15	10	371000	1855.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
2	15	10	381000	1905.0	DFT-s-OFDM BPSK	1@51	see graph	**PASS**
2	15	10	381000	1905.0	DFT-s-OFDM QPSK	1@51	see graph	**PASS**
2	15	10	381000	1905.0	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
2	15	10	381000	1905.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
2	15	20	372000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
2	15	20	372000	1860.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
2	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
2	15	20	380000	1900.0	DFT-s-OFDM BPSK	1@105	see graph	**PASS**
2	15	20	380000	1900.0	DFT-s-OFDM QPSK	1@105	see graph	**PASS**
2	15	20	380000	1900.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
2	15	20	380000	1900.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**

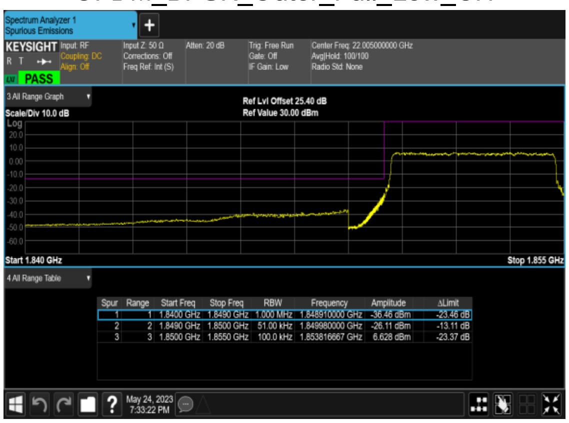
N2(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



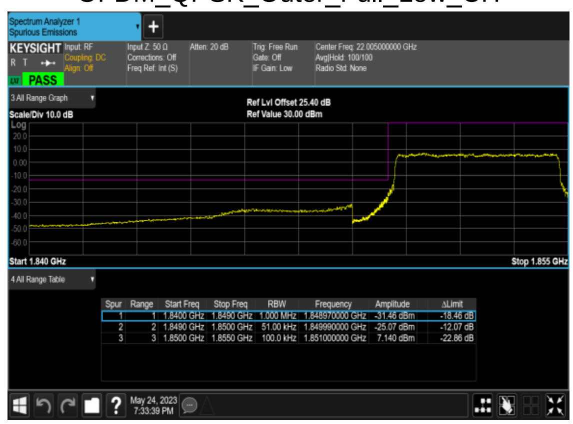
N2(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



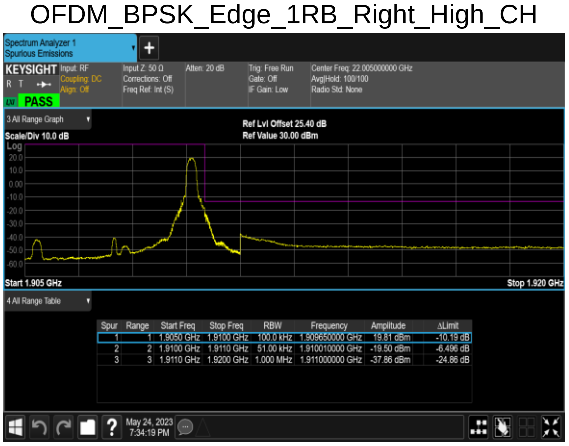
N2(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



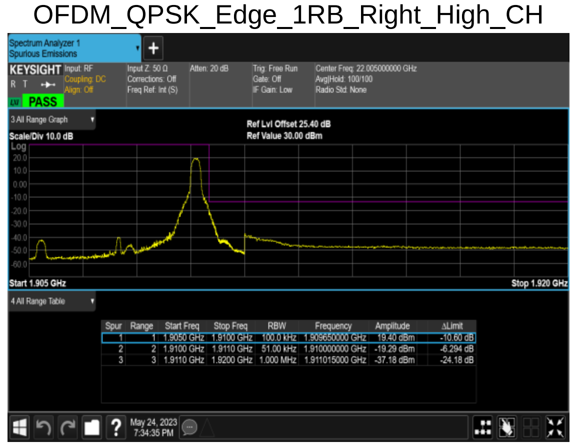
N2(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



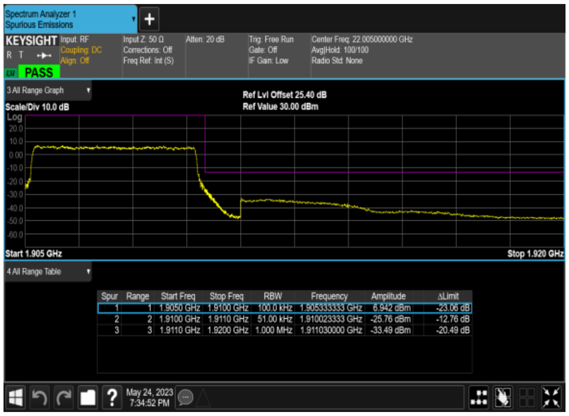
N2(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



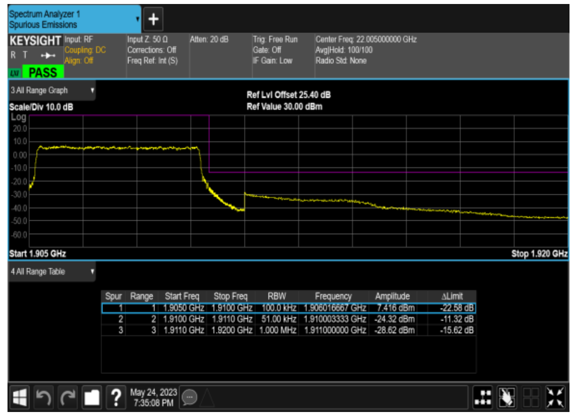
N2(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



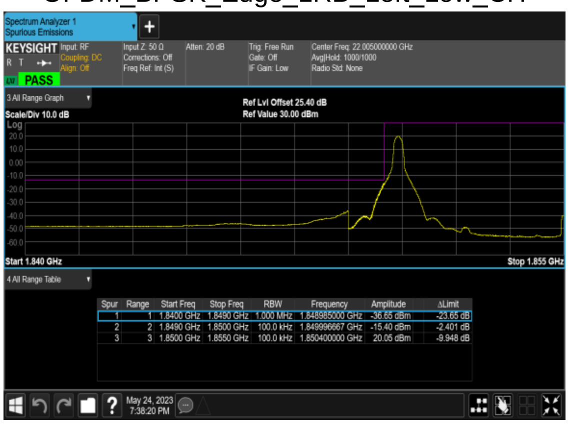
N2(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



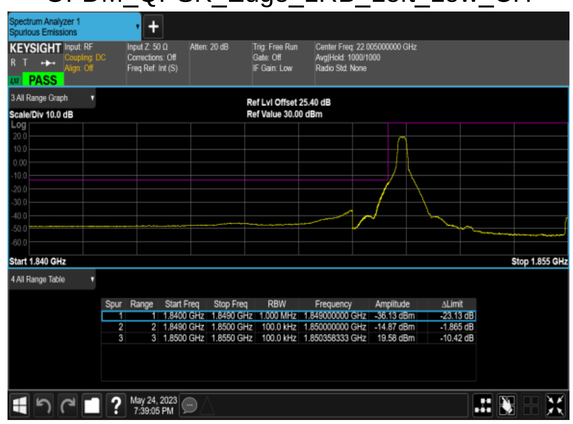
N2(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



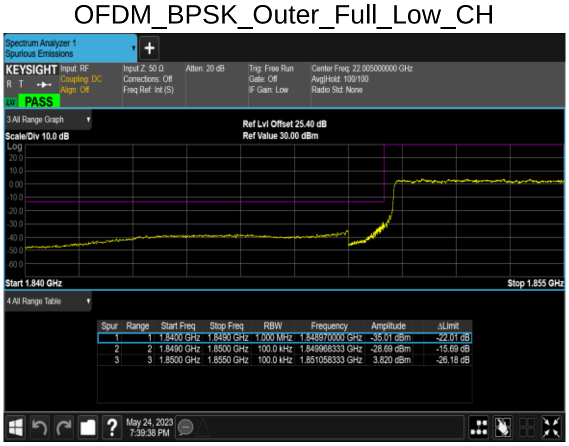
N2(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



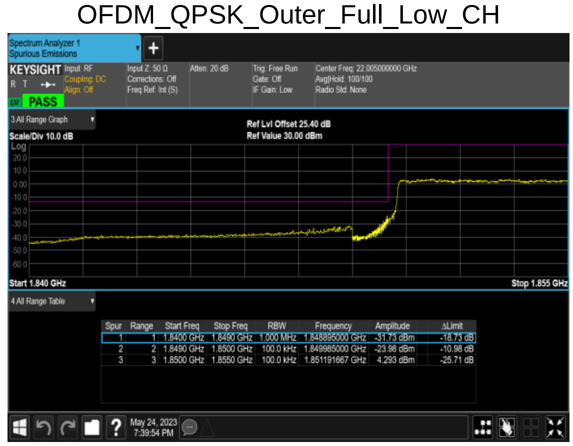
N2(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



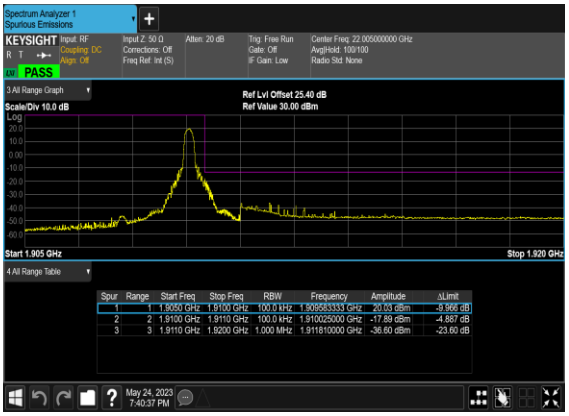
N2(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



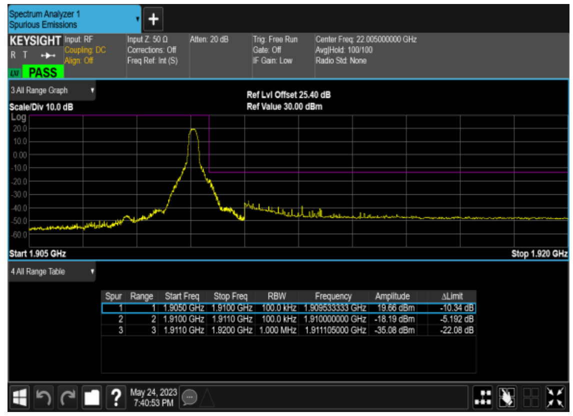
N2(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



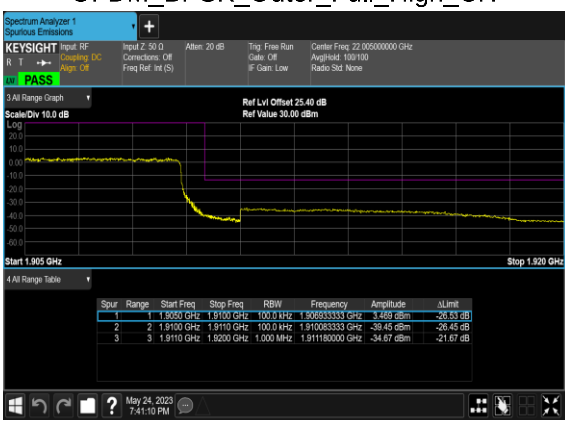
N2(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



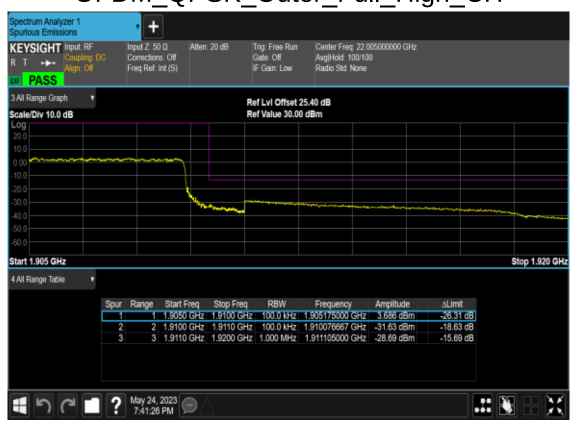
N2(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



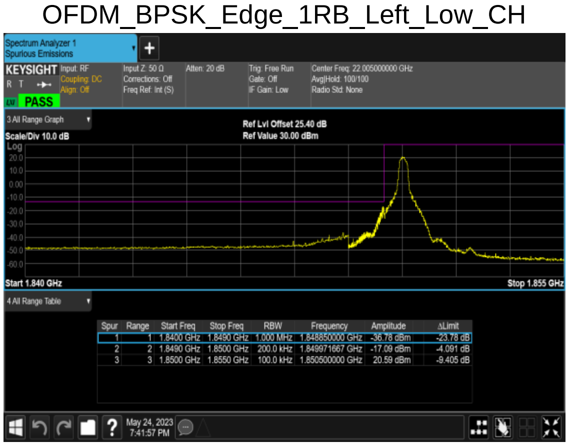
N2(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



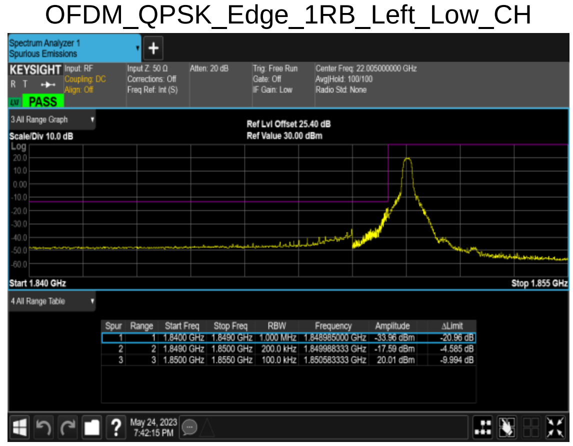
N2(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



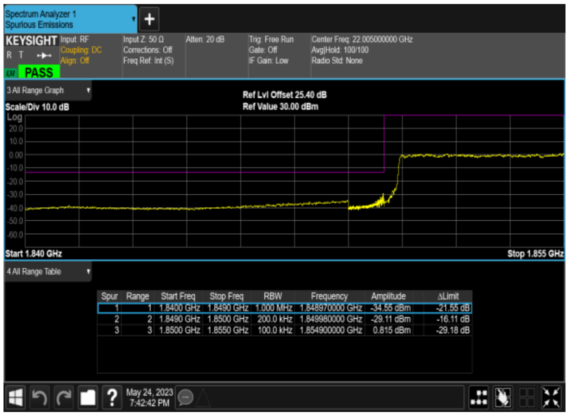
N2(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



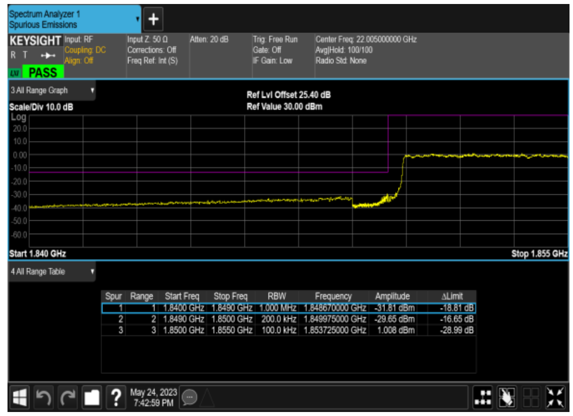
N2(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



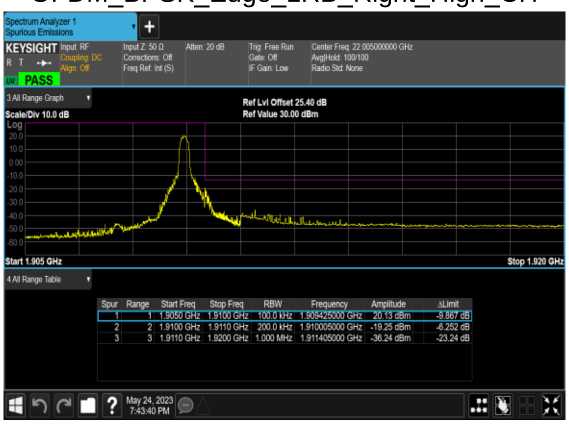
N2(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



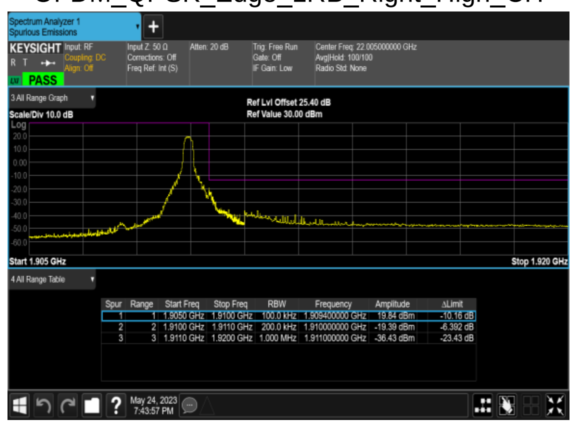
N2(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



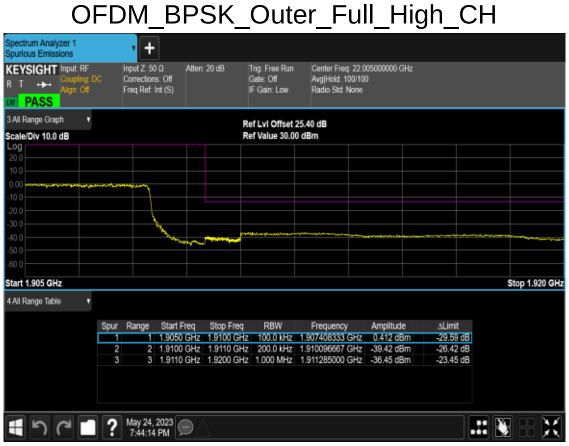
N2(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



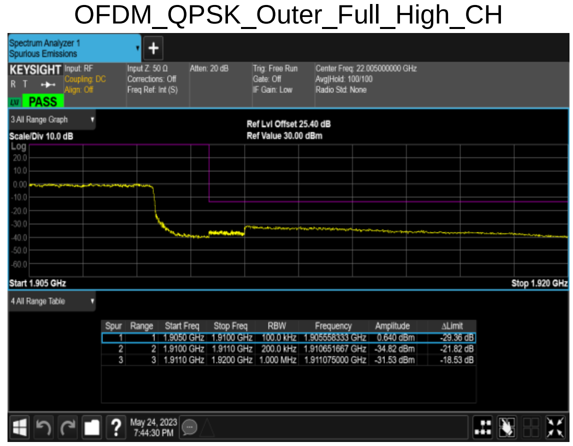
N2(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N2(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N2(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



FR1 N2 (ANT0) - Other PA

LTE Band: 66, LTE BW: 10M, LTE ARFCN: Mid

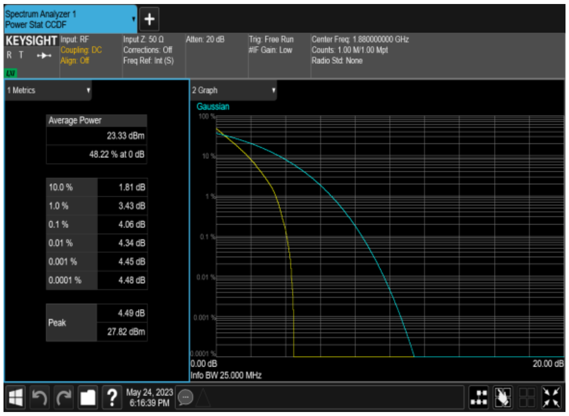
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0026	**PASS**	NV
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0017	**PASS**	LV
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0021	**PASS**	HV
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0022	**PASS**	-30℃
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0019	**PASS**	-20℃
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0014	**PASS**	-10℃
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	-0.0009	**PASS**	0℃
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0013	**PASS**	10℃
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0023	**PASS**	20℃
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0029	**PASS**	30℃
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0032	**PASS**	40℃
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	25@0	0.0028	**PASS**	50℃

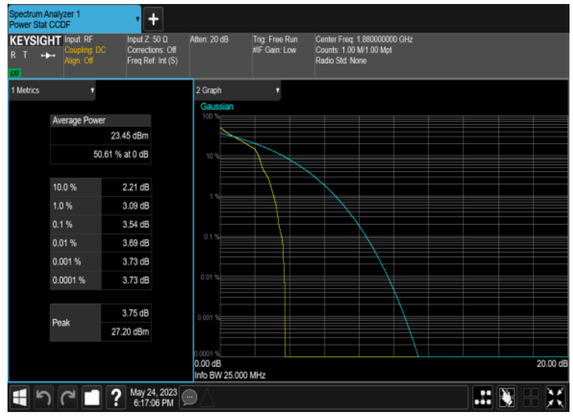
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
2	15	20	376000	1880.0	DFT-s-OFDM PI/2 BPSK	100@0	4.06	13	**PASS**
2	15	20	376000	1880.0	DFT-s-OFDM PI/2 BPSK	1@0	3.54	13	**PASS**
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	100@0	4.83	13	**PASS**
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	1@0	3.94	13	**PASS**

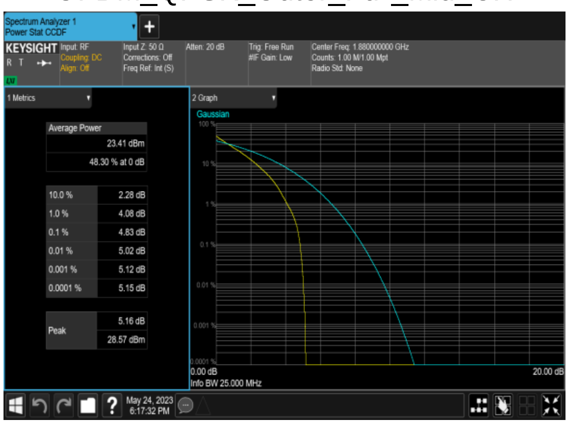
B66_N2(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



B66_N2(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



B66_N2(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

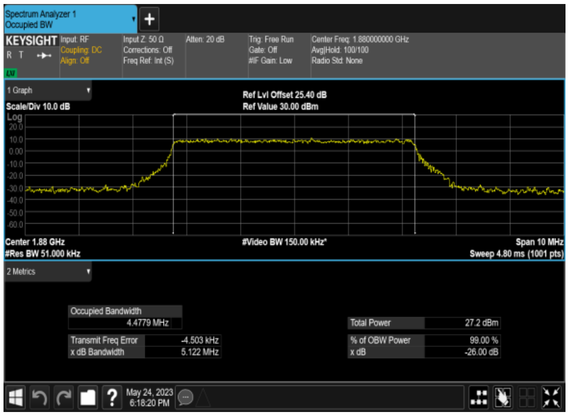


B66_N2(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

Occupied Bandwidth

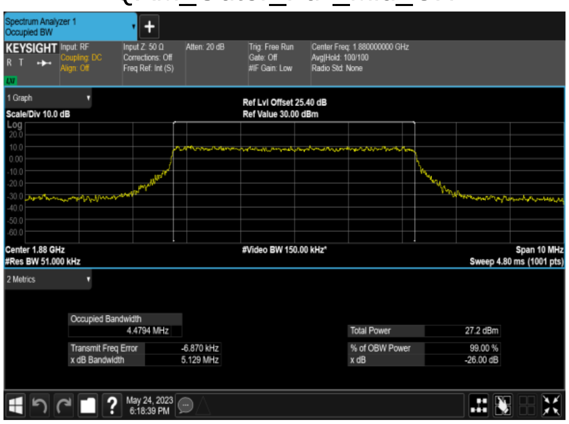
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
2	15	5	376000	1880.0	CP-OFDM QPSK	25@0	4.4779	5.122
2	15	5	376000	1880.0	CP-OFDM 16 QAM	25@0	4.4825	5.111
2	15	5	376000	1880.0	CP-OFDM 64 QAM	25@0	4.4794	5.129
2	15	5	376000	1880.0	CP-OFDM 256 QAM	25@0	4.4725	5.051
2	15	10	376000	1880.0	CP-OFDM QPSK	52@0	9.2735	9.986
2	15	10	376000	1880.0	CP-OFDM 16 QAM	52@0	9.2678	9.986
2	15	10	376000	1880.0	CP-OFDM 64 QAM	52@0	9.2835	9.892
2	15	10	376000	1880.0	CP-OFDM 256 QAM	52@0	9.2891	9.97
2	15	15	376000	1880.0	CP-OFDM QPSK	79@0	14.101	14.77
2	15	15	376000	1880.0	CP-OFDM 16 QAM	79@0	14.085	15.04
2	15	15	376000	1880.0	CP-OFDM 64 QAM	79@0	14.103	14.8
2	15	15	376000	1880.0	CP-OFDM 256 QAM	79@0	14.095	14.83
2	15	20	376000	1880.0	CP-OFDM QPSK	106@0	18.907	19.73
2	15	20	376000	1880.0	CP-OFDM 16 QAM	106@0	18.928	19.99
2	15	20	376000	1880.0	CP-OFDM 64 QAM	106@0	18.905	19.82
2	15	20	376000	1880.0	CP-OFDM 256 QAM	106@0	18.945	19.78

B66_N2(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

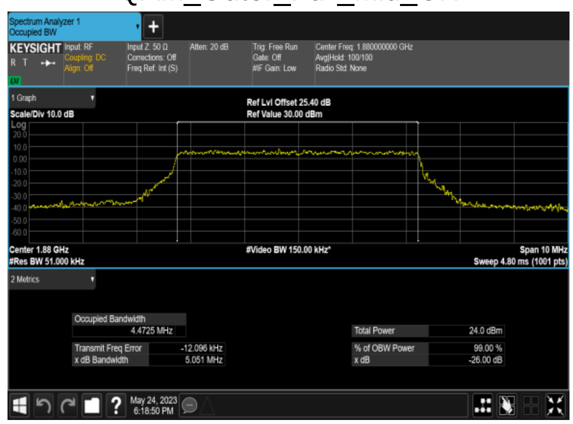


B66_N2(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

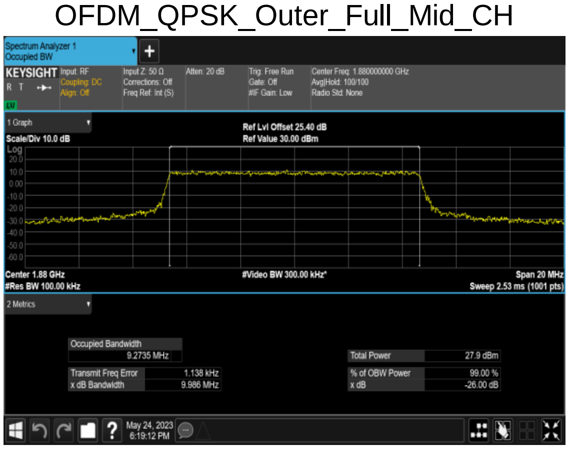
B66_N2(5M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



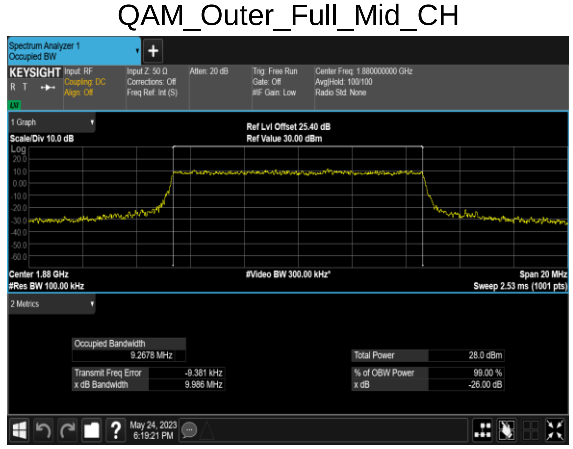
B66_N2(5M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



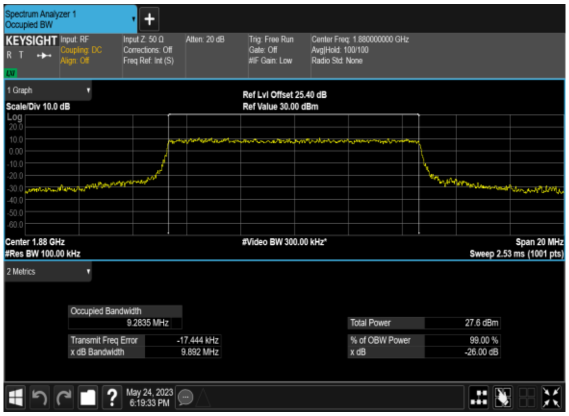
B66_N2(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



B66_N2(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



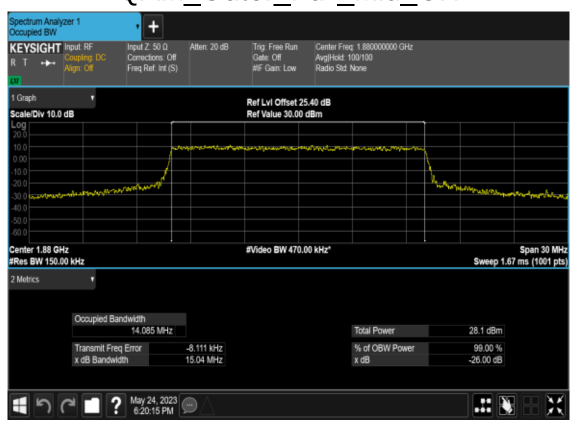
B66_N2(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



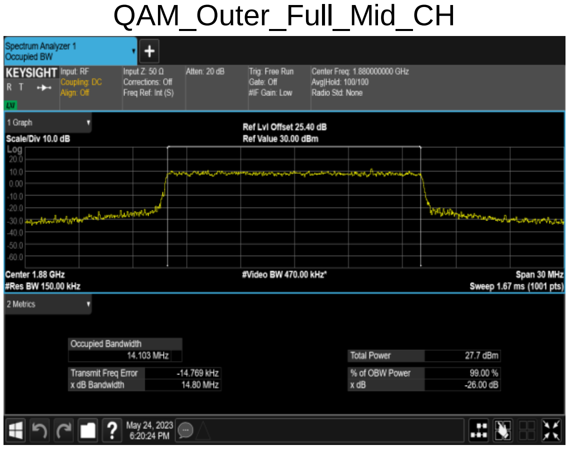
B66_N2(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

B66_N2(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

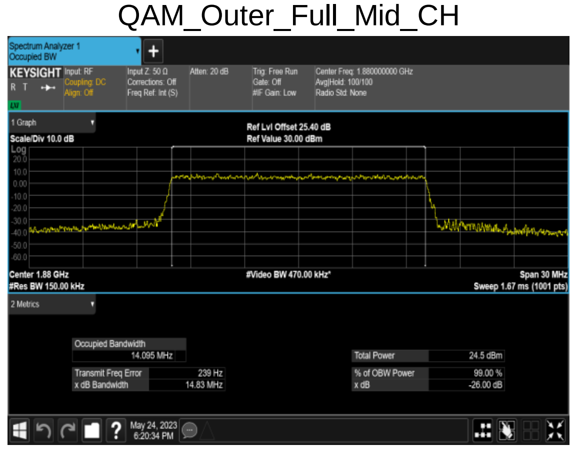
B66_N2(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



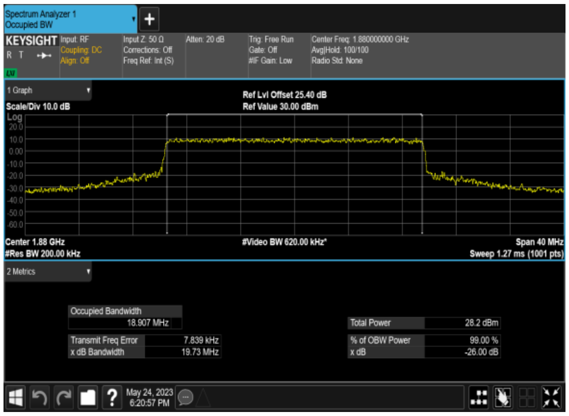
B66_N2(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



B66_N2(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

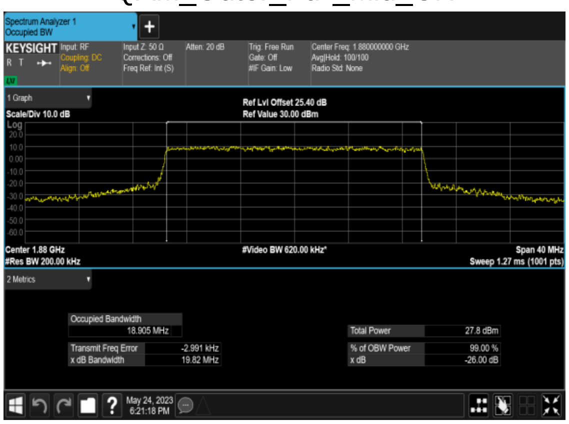


B66_N2(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

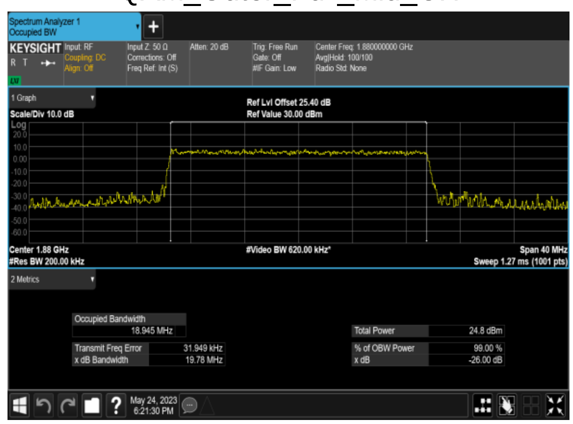


B66_N2(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

B66_N2(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



B66_N2(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

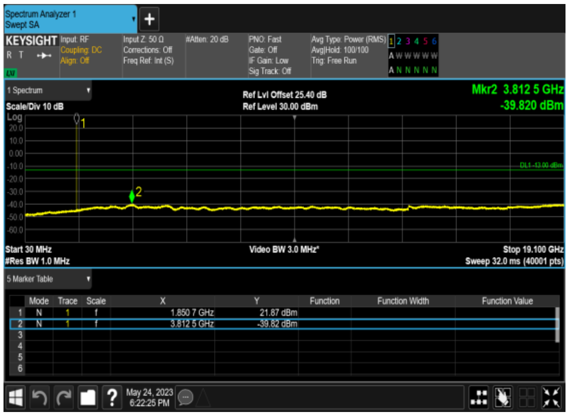


Conducted Spurious Emissions

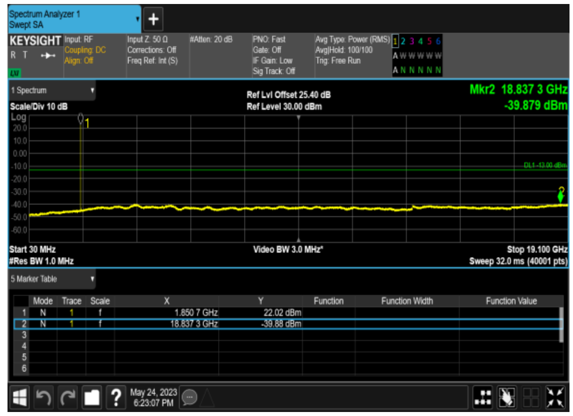
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
2	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
2	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
2	15	5	376000	1880.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
2	15	5	376000	1880.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	5	376000	1880.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
2	15	5	376000	1880.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
2	15	5	381500	1907.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
2	15	5	381500	1907.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
2	15	10	371000	1855.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
2	15	10	371000	1855.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	10	371000	1855.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
2	15	10	371000	1855.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
2	15	10	376000	1880.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
2	15	10	376000	1880.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	10	376000	1880.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
2	15	10	376000	1880.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
2	15	10	381000	1905.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
2	15	10	381000	1905.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	10	381000	1905.0	DFT-s-OFDM QPSK	1@0	see graph	**---**

2	15	10	381000	1905.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
2	15	20	372000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
2	15	20	372000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
2	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
2	15	20	376000	1880.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
2	15	20	376000	1880.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
2	15	20	376000	1880.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
2	15	20	380000	1900.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
2	15	20	380000	1900.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
2	15	20	380000	1900.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
2	15	20	380000	1900.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

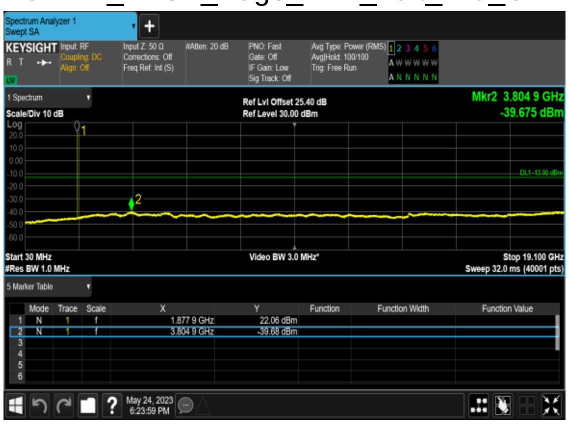
B66_N2(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



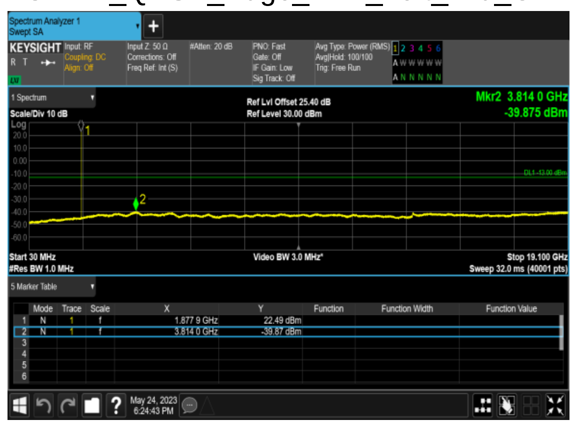
B66_N2(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



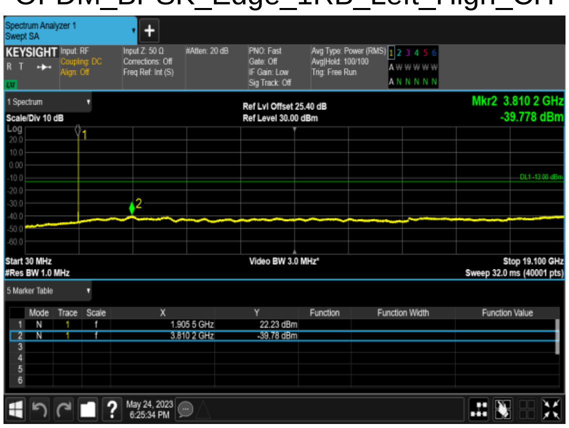
B66_N2(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



B66_N2(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B66_N2(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



B66_N2(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH