FCC RF Test Report

APPLICANT	: NOTHING TECHNOLOGY LIMITED
EQUIPMENT	: Smart Phone
BRAND NAME	: NOTHING
MODEL NAME	: A065
FCC ID	: 2AZEQ-A065
STANDARD	: 47 CFR Part 2, 27
CLASSIFICATION	: PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	: Mar. 24, 2023 ~ Apr. 27, 2023

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
FG330214H	Rev. 01	Initial issue of report	May 11, 2023

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§27.50(h)(2)	Equivalent Isotropic Radiated Power (5G NR n7, n41, n38)	EIRP < 2Watt		
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (5G NR n66)	EIRP < 1Watt		
3.5	N/A	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	Reporting Only	PASS	-
3.7	§2.1051 §27.53(h)	Conducted Band Edge Measurement (5G NR n66)	< 43+10log10(P[Watts])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (5G NR n7, n41, n38)	§27.53(m)(4)		
3.8	§2.1051 §27.53(h)	Conducted Spurious Emission (5G NR n66)	< 43+10log10(P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (5G NR n7, n41, n38)	< $55+10\log_{10}$(P[Watts])		
3.9	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §27.53(h)	Radiated Spurious Emission (5G NR n66)	< $43+10\log_{10}$(P[Watts])	PASS	Under limit 10.98 dB at 10861.500 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (5G NR n7, n41, n38)	< $55+10\log_{10}$(P[Watts])		

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

NOTHING TECHNOLOGY LIMITED
80 Cheapside, London, England EC2V 6EE

1.2 Manufacturer

NOTHING TECHNOLOGY LIMITED
80 Cheapside, London, England EC2V 6EE

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Smart Phone
Brand Name	NOTHING
Model Name	A065
FCC ID	2AZEQ-A065
IMEI Code	Conducted : 352134980027149/352134980027156 Radiation : 352134980041884/352134980041892 for 5G NR n7/n41 352134980041181/352134980041199 for 5G NR n66
HW Version	22111
SW Version	Nothing OS 2.0.0
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	5G NR n7 : 2500 MHz ~ 2570 MHz 5G NR n38 : 2570 MHz ~ 2620 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz
Rx Frequency	5G NR n7 : 2620 MHz ~ 2690 MHz 5G NR n38: 2570 MHz ~ 2620 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n66 : 2110 MHz~ 2200 MHz
Bandwidth	n7: 5MHz / 10MHz / 15MHz / 20MHz n38 : 20MHz / 30MHz / 40MHz n41: 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz n66: 5MHz / 10MHz / 15MHz / 20MHz / 30MHz
SCS	n7, n66 for 15kHz n38, n41 for 30kHz
Antenna Gain	**<Ant.2>** n7 : -1.67 dBi n38 : -1.92 dBi

	n41 : -1.67 dBi n66 : -1.25 dBi **<Ant. 3>** n7 : 1.12 dBi n38 : 1.12 dBi n41 : 1.12 dBi n66 : -0.91 dBi **<Ant. 4>** n7 : 0.42 dBi n38 : 0.25 dBi n41 : 0.42 dBi n66 : -1.54 dBi **<Ant. 8>** n7 : -0.85 dBi n38 : -0.85 dBi n41 : -0.85 dBi n66 : -1.10 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. The maximum EIRP is calculated from max output power and max antenna gain, only the maximum EIRP are shown in the report, 5G NR n7/n38/n41 for Ant. 3 and n66 for Ant. 2.
2. All the supported ENDC combinations are verified conducted power, only the ENDC combination with highest power are shown in the report.
3. 5G NR support SA (n7/n38/n41/n66) mode and NSA(n7/n41/n66) mode. According to the maximum power between SA and NSA mode, SA covers NSA mode.
4. The device supports HPUE mode for 5G NR n41.
5. The device supports n38/n41/n66(1T4R) SRS resources on ant.2/3/4/8, only the test data of worst ant.2 for n38/n41/n66 is showed in the report according to the maximum power.
6. The EN-DC mode combination could be referred to the product spec.

1.5 Modification of EUT

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

1.6 Maximum EIRP Power and Emission Designator

5G NR n66		QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	**Frequency Range (MHz)**	**Maximum EIRP(W)**	**Emission Designator (99%OBW)**	**Maximum EIRP(W)**	**Emission Designator (99%OBW)**
5	1712.5 ~ 1777.5	0.2104	4M49G7D	0.1679	4M48W7D
10	1715.0 ~ 1775.0	0.2089	9M28G7D	0.1629	9M29W7D
15	1717.5 ~ 1772.5	0.2104	14M1G7D	0.1726	14M1W7D
20	1720.0 ~ 1770.0	0.2094	18M9G7D	0.1714	19M0W7D
30	1725.0 ~ 1765.0	0.2109	28M5G7D	0.1816	28M7W7D

5G NR n7		QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2502.5 ~ 2567.5	0.2951	4M48G7D	0.2382	4M50W7D
10	2505.0 ~ 2565.0	0.3027	9M28G7D	0.2388	9M30W7D
15	2507.5 ~ 2562.5	0.3162	14M1G7D	0.2483	14M1W7D
20	2510.0 ~ 2560.0	0.3281	18M9G7D	0.2799	18M9W7D

5G NR n38		QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	2580.0 ~ 2610.0	0.3162	18M2G7D	0.2529	18M2W7D
30	2585.0 ~ 2605.0	0.3206	27M9G7D	0.2642	27M8W7D
40	2590.0 ~ 2600.0	0.3296	37M9G7D	0.2692	37M9W7D

5G NR n41		QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	2506.02 ~ 2679.99	0.4227	18M2G7D	0.3436	18M2W7D
30	2511.00 ~ 2674.98	0.4159	27M9G7D	0.3428	27M8W7D
40	2516.01 ~ 2670.00	0.4236	37M9G7D	0.3420	37M9W7D
50	2521.02 ~ 2664.99	0.4188	47M6G7D	0.3357	47M5W7D
60	2526.00 ~ 2659.98	0.4325	57M9G7D	0.3733	57M9W7D
70	2531.01 ~ 2655.00	0.4355	67M8G7D	0.3532	67M6W7D
80	2536.02 ~ 2649.99	0.4285	77M7G7D	0.3491	77M6W7D
90	2541.00 ~ 2644.98	0.4285	87M5G7D	0.3508	87M6W7D
100	2546.01 ~ 2640.00	0.4436	97M7G7D	0.3467	97M9W7D

Note:

1. 5G NR n41 overlaps the entire frequency range of 5G NR n38. Therefore, the test results provided in this report covers 5G NR n41 as well as 5G NR n38.
2. All modulations have been tested, only the worst test results of PSK & QAM are shown in the report.

1.7 Testing Location

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

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	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 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
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

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

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

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

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

	X Plane	Y Plane	Z Plane
Orthogonal Planes of EUT			

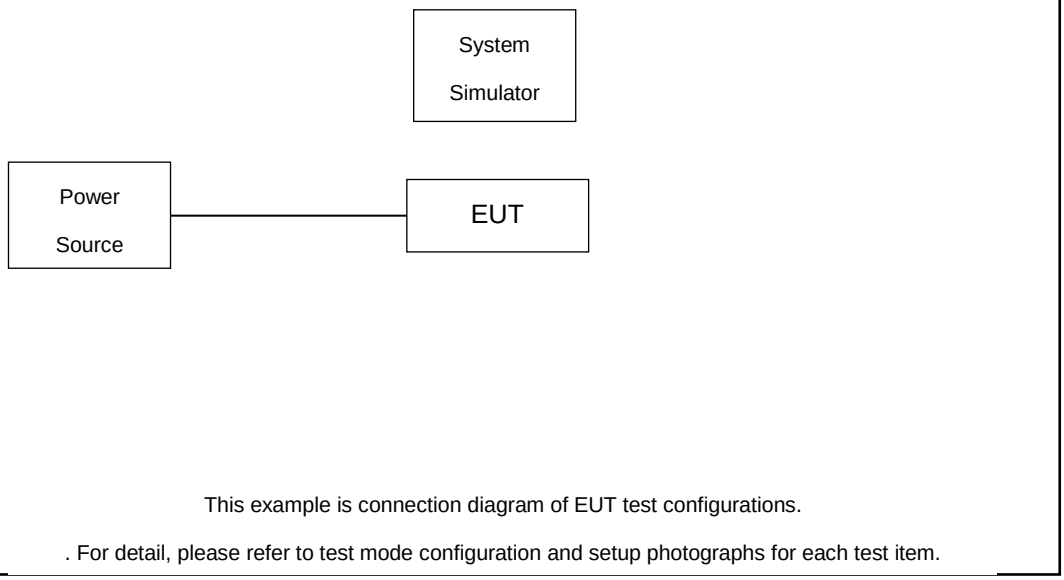
Test Items	5G NR	Bandwidth (MHz)													Modulation					RB #		Test Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Full	L	M	H
Max. Output Power	n7	v	v	v	v	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v
	n38	-	-	-	v	-	v	v	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v
	n41	-	-	-	v	-	v	v	v	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v
	n66	v	v	v	v	-	v	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	n7				v	-	-	-	-	-	-	-	-	-	-	v				v	v	v	v	v
	n41	-		-	v	-									-	v				v	v	v	v	v
	n66				v	-		-	-	-	-	-	-	-	-	v				v	v	v	v	v
26dB and 99% Bandwidth	n7	v	v	v	v	-	-	-	-	-	-	-	-	-	-	v	v	v	v		v		v	
	n41	-	-	-	v	-	v	v	v	v	v	v	v	v	-	v	v	v	v		v		v	
	n66	v	v	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	16QAM	64QAM	256QAM	1	Full	L	M	H
Conducted Band Edge	n7	v	v		v	-	-	-	-	-	-	-	-	-	-	v				v	v	v		v
	n41	-	-	-	v	-				v				v	-	v				v	v	v		v
	n66	v		v		-	v	-	-	-	-	-	-	-	-	v				v	v	v		v
Conducted Spurious Emission	n7	v	v		v	-	-	-	-	-	-	-	-	-	-	v				v		v	v	v
	n41	-	-	-	v	-				v				v	-	v				v		v	v	v
	n66	v		v		-	v	-	-	-	-	-	-	-	-	v				v		v	v	v
Frequency Stability	n7				v	-	-	-	-	-	-	-	-	-	-	v					v		v	
	n41	-	-	-	v	-									-	v					v		v	
	n66				v	-		-	-	-	-	-	-	-	-	v					v		v	
E.I.R.P	n7	v	v	v	v	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v
	n38	-	-	-	v	-	v	v	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v
	n41	-	-	-	v	-	v	v	v	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v
	n66	v	v	v	v	-	v	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	n7	Worst Case																				v	v	v
	n41	Worst Case																				v	v	v
	n66	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 = 3.89V ；Low Voltage =3.60V.；High Voltage =4.48V

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.

Following shows an offset computation example with cable loss 8.4 dB.

Example :

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

= 8.4 (dB)

2.5 Frequency List of Low/Middle/High Channels

5G NR n7 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	502000	507000	512000
	Frequency	2510	2535	2560
15	Channel	501500	507000	512500
	Frequency	2507.5	2535	2562.5
10	Channel	501000	507000	513000
	Frequency	2505	2535	2565
5	Channel	500500	507000	513500
	Frequency	2502.5	2535	2567.5

5G NR n38 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
40	Channel	518000	519000	520000
	Frequency	2590	2595	2600
30	Channel	517000	519000	521000
	Frequency	2585	2595	2605
20	Channel	516000	519000	522000
	Frequency	2580	2595	2610

5G NR n41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	509202	518598	528000
	Frequency	2546.01	2592.99	2640
90	Channel	508200	518598	528996
	Frequency	2541	2592.99	2644.98
80	Channel	507204	518598	529998
	Frequency	2536.02	2592.99	2649.99
70	Channel	506202	518598	531000
	Frequency	2531.01	2592.99	2655
60	Channel	505200	518598	531996
	Frequency	2526	2592.99	2659.98
50	Channel	504204	518598	532998
	Frequency	2521.02	2592.99	2664.99
40	Channel	503202	518598	534000
	Frequency	2516.01	2592.99	2670
30	Channel	502200	518598	534996
	Frequency	2511	2592.99	2674.98
20	Channel	501204	518598	535998
	Frequency	2506.02	2592.99	2679.99

5G NR n66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
30	Channel	345000	349000	353000
	Frequency	1725	1745	1765
20	Channel	344000	349000	354000
	Frequency	1720	1745	1770
15	Channel	343500	349000	354500
	Frequency	1717.5	1745	1772.5
10	Channel	343000	349000	355000
	Frequency	1715	1745	1775
5	Channel	342500	349000	355500
	Frequency	1712.5	1745	1777.5

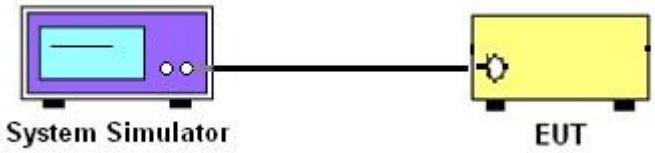
3 Conducted Test Items

3.1 Measuring Instruments

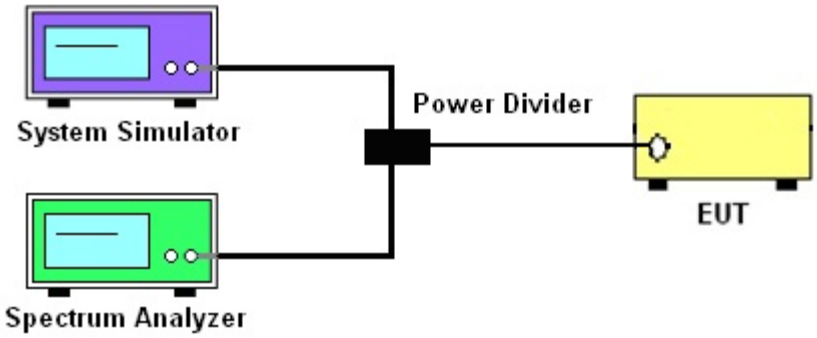
See list of measuring instruments of this test report.

3.2 Test Setup

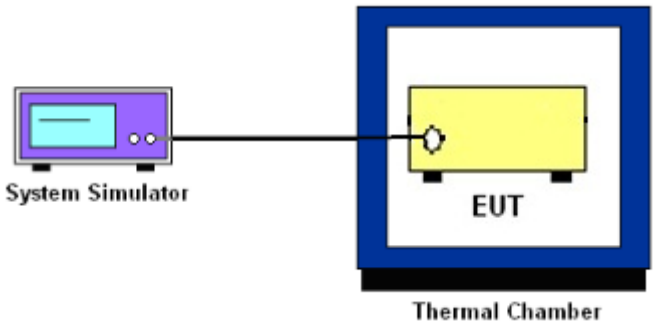
3.2.1 Conducted Output Power



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 EIRP

3.4.1 Description of the Conducted Output Power Measurement and EIRP Measurement

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

The EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n7, n38, n41.

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n66.

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.4.2 Test Procedures

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

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

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

3.5.2 Test Procedures

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

3.6 Occupied Bandwidth

3.6.1 Description of Occupied Bandwidth Measurement

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

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

3.6.2 Test Procedures

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

3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is 43 + 10log$_{10}$(P[Watts]) dB below the transmitter power P(Watts) in a 1 MHz bandwidth. However, in the 1MHz 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.

27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

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. For 5G NR n7/n38/n41, the other 40 dB, and 55 dB have additionally applied same calculation above.
10. 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.

For 5G NR n7/n38/n41:

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 55 + 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.
11. For 5G NR n7/n38/n41
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [55+ 10log(P)] (dB)
    = [30+ 10log(P)] (dBm) - [55+ 10log(P)] (dB)
    = -25dBm.

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.

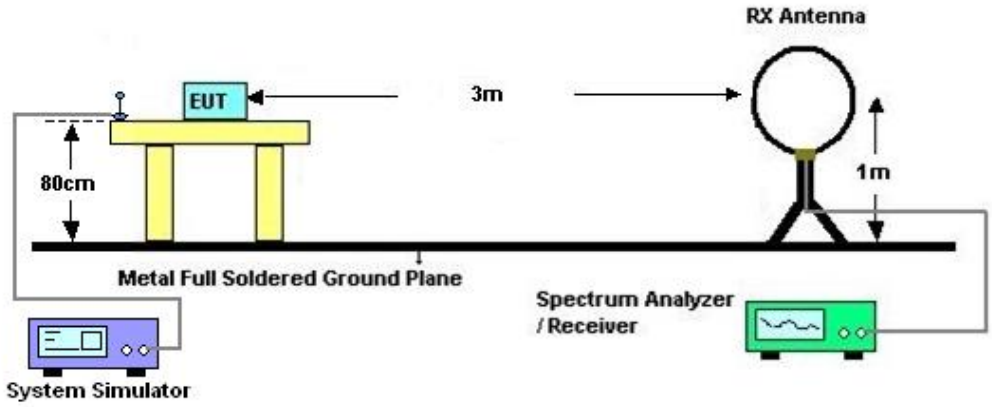
4 Radiated Test Items

4.1 Measuring Instruments

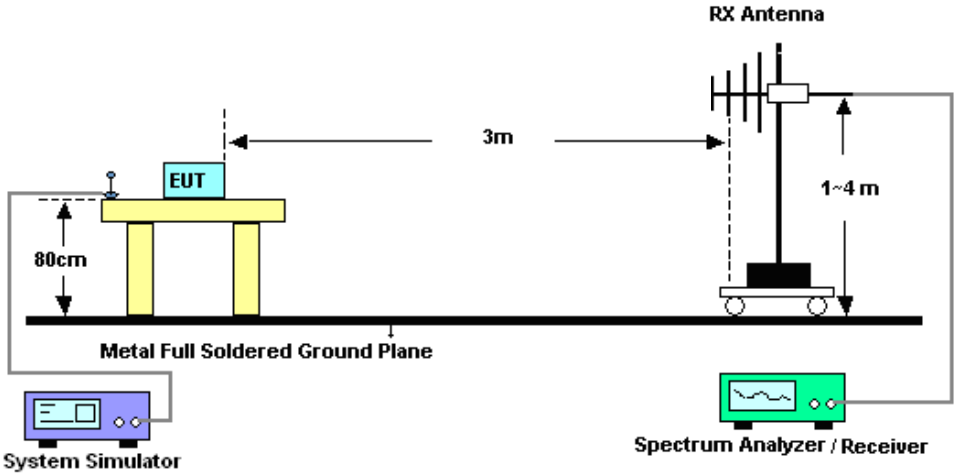
See list of measuring instruments of this test report.

4.2 Test Setup

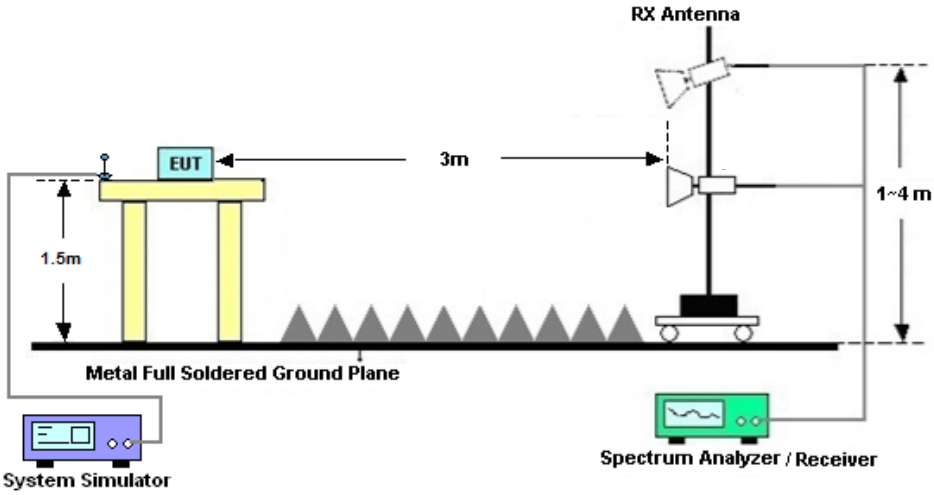
4.2.1 For radiated test below 30MHz



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.

For 5G NR n7/n38/n41

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 55 + 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.
13. For 5G NR n7/n38/n41:
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)

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	Mar. 24, 2023~ Apr. 27, 2023	Apr. 06, 2023	Conducted (TH01-SZ)
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 06, 2023		Apr. 05, 2024	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2022	Mar. 24, 2023~ Apr. 27, 2023	Dec. 24, 2023	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 07, 2022	Mar. 24, 2023~ Apr. 27, 2023	Jul. 06, 2023	Conducted (TH01-SZ)
EMI Test Receiver	R&S	ESR7	101404	9kHz~7GHz	Oct. 19, 2022	Mar. 28, 2023~ Apr. 07, 2023	Oct. 18, 2023	Radiation (03CH04-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 07. 2022	Mar. 28, 2023~ Apr. 07, 2023	Jul. 06, 2023	Radiation (03CH04-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 28, 2022	Mar. 28, 2023~ Apr. 07, 2023	Jun. 27, 2024	Radiation (03CH04-SZ)
Bilog Antenna	TeseQ	CBL6111D	41909	30MHz~1GHz	Apr. 27, 2022	Mar. 28, 2023~ Apr. 07, 2023	Apr. 27, 2023	Radiation (03CH04-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1474	1GHz~18GHz	Jul. 07. 2022	Mar. 28, 2023~ Apr. 07, 2023	Jul. 06, 2023	Radiation (03CH04-SZ)
Horn Antenna	SCHWARZBECK	BBHA9170	9170#679	15GHz~40GHz	Jul. 07. 2022	Mar. 28, 2023~ Apr. 07, 2023	Jul. 06, 2023	Radiation (03CH04-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 19, 2022	Mar. 28, 2023~ Apr. 07, 2023	Oct. 18, 2023	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P-R	1943528	1GHz~18GHz	Oct. 19, 2022	Mar. 28, 2023~ Apr. 07, 2023	Oct. 18, 2023	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 06, 2022	Mar. 28, 2023~ Apr. 07, 2023	Jul. 05, 2023	Radiation (03CH04-SZ)
Amplifier	Agilent Technologies	83017A	MY57280136	500MHz~26.5GHz	Sep. 30, 2022	Mar. 28, 2023~ Apr. 07, 2023	Sep. 29, 2023	Radiation (03CH04-SZ)
AC Power Source	APC	AFV-S-600B	F119050019	N/A	Nov. 10, 2022	Mar. 28, 2023~ Apr. 07, 2023	Nov. 10, 2023	Radiation (03CH04-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Mar. 28, 2023~ Apr. 07, 2023	NCR	Radiation (03CH04-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Mar. 28, 2023~ Apr. 07, 2023	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 Conducted Measurement

Test Item	Uncertainty
Conducted Power	±1.34 dB
Conducted Emissions	±1.34 dB
Occupied Channel Bandwidth	±0.13 %

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 (1000 MHz ~ 18000 MHz)

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

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

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 :	Khan Zhen	**Temperature :**	24~26℃
		Relative Humidity :	50~53%

Software Version: 22.12.120701

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Transmitter Conducted Output Power And EIRP, (G_T - L_C)=1.12dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@1	23.58	24.7	0.2951
7	15	5	500500	2502.5	DFT-s-OFDM 16 QAM	1@1	22.65	23.77	0.2382
7	15	5	507000	2535	DFT-s-OFDM QPSK	1@1	23.57	24.69	0.2944
7	15	5	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.28	23.4	0.2188
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@1	23.27	24.39	0.2748
7	15	5	513500	2567.5	DFT-s-OFDM 16 QAM	1@1	22.01	23.13	0.2056
7	15	10	501000	2505	DFT-s-OFDM QPSK	1@1	23.69	24.81	0.3027
7	15	10	501000	2505	DFT-s-OFDM 16 QAM	1@1	22.66	23.78	0.2388
7	15	10	507000	2535	DFT-s-OFDM QPSK	1@1	23.37	24.49	0.2812
7	15	10	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.33	23.45	0.2213
7	15	10	513000	2565	DFT-s-OFDM QPSK	1@1	23.26	24.38	0.2742
7	15	10	513000	2565	DFT-s-OFDM 16 QAM	1@1	22.21	23.33	0.2153
7	15	15	501500	2507.5	DFT-s-OFDM QPSK	1@1	23.88	25	0.3162
7	15	15	501500	2507.5	DFT-s-OFDM 16 QAM	1@1	22.83	23.95	0.2483
7	15	15	507000	2535	DFT-s-OFDM QPSK	1@1	23.77	24.89	0.3083
7	15	15	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.61	23.73	0.2360
7	15	15	512500	2562.5	DFT-s-OFDM QPSK	1@1	23.52	24.64	0.2911
7	15	15	512500	2562.5	DFT-s-OFDM 16 QAM	1@1	22.42	23.54	0.2259
7	15	20	502000	2510	DFT-s-OFDM QPSK	50@25	24.02	25.14	0.3266
7	15	20	502000	2510	DFT-s-OFDM QPSK	1@1	24.03	25.15	0.3273
7	15	20	502000	2510	DFT-s-OFDM QPSK	1@104	23.4	24.52	0.2831
7	15	20	502000	2510	DFT-s-OFDM 16 QAM	50@25	22.98	24.1	0.2570
7	15	20	502000	2510	DFT-s-OFDM 16 QAM	1@1	23.35	24.47	0.2799
7	15	20	502000	2510	DFT-s-OFDM 16 QAM	1@104	22.37	23.49	0.2234
7	15	20	502000	2510	DFT-s-OFDM 64 QAM	50@25	21.51	22.63	0.1832
7	15	20	502000	2510	DFT-s-OFDM 64 QAM	1@1	22.12	23.24	0.2109
7	15	20	502000	2510	DFT-s-OFDM 64 QAM	1@104	21.02	22.14	0.1637
7	15	20	502000	2510	DFT-s-OFDM 256 QAM	50@25	19.42	20.54	0.1132

7	15	20	502000	2510	DFT-s-OFDM 256 QAM	1@1	19.5	20.62	0.1153
7	15	20	502000	2510	DFT-s-OFDM 256 QAM	1@104	18.48	19.6	0.0912
7	15	20	502000	2510	CP-OFDM QPSK	53@26	22.54	23.66	0.2323
7	15	20	502000	2510	CP-OFDM QPSK	1@1	22.84	23.96	0.2489
7	15	20	502000	2510	CP-OFDM QPSK	1@104	21.86	22.98	0.1986
7	15	20	507000	2535	DFT-s-OFDM QPSK	50@25	22.99	24.11	0.2576
7	15	20	507000	2535	DFT-s-OFDM QPSK	1@1	23.04	24.16	0.2606
7	15	20	507000	2535	DFT-s-OFDM QPSK	1@104	23.38	24.5	0.2818
7	15	20	507000	2535	DFT-s-OFDM 16 QAM	50@25	21.9	23.02	0.2004
7	15	20	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.05	23.17	0.2075
7	15	20	507000	2535	DFT-s-OFDM 16 QAM	1@104	22.48	23.6	0.2291
7	15	20	507000	2535	DFT-s-OFDM 64 QAM	50@25	20.62	21.74	0.1493
7	15	20	507000	2535	DFT-s-OFDM 64 QAM	1@1	20.74	21.86	0.1535
7	15	20	507000	2535	DFT-s-OFDM 64 QAM	1@104	21.08	22.2	0.1660
7	15	20	507000	2535	DFT-s-OFDM 256 QAM	50@25	18.47	19.59	0.0910
7	15	20	507000	2535	DFT-s-OFDM 256 QAM	1@1	18.3	19.42	0.0875
7	15	20	507000	2535	DFT-s-OFDM 256 QAM	1@104	18.66	19.78	0.0951
7	15	20	507000	2535	CP-OFDM QPSK	53@26	21.56	22.68	0.1854
7	15	20	507000	2535	CP-OFDM QPSK	1@1	21.51	22.63	0.1832
7	15	20	507000	2535	CP-OFDM QPSK	1@104	21.43	22.55	0.1799
7	15	20	512000	2560	DFT-s-OFDM QPSK	50@25	24.04	25.16	0.3281
7	15	20	512000	2560	DFT-s-OFDM QPSK	1@1	23.84	24.96	0.3133
7	15	20	512000	2560	DFT-s-OFDM QPSK	1@104	23.83	24.95	0.3126
7	15	20	512000	2560	DFT-s-OFDM 16 QAM	50@25	23.1	24.22	0.2642
7	15	20	512000	2560	DFT-s-OFDM 16 QAM	1@1	22.91	24.03	0.2529
7	15	20	512000	2560	DFT-s-OFDM 16 QAM	1@104	22.94	24.06	0.2547
7	15	20	512000	2560	DFT-s-OFDM 64 QAM	50@25	21.61	22.73	0.1875
7	15	20	512000	2560	DFT-s-OFDM 64 QAM	1@1	21.43	22.55	0.1799
7	15	20	512000	2560	DFT-s-OFDM 64 QAM	1@104	21.51	22.63	0.1832
7	15	20	512000	2560	DFT-s-OFDM 256 QAM	50@25	18.93	20.05	0.1012
7	15	20	512000	2560	DFT-s-OFDM 256 QAM	1@1	19.1	20.22	0.1052
7	15	20	512000	2560	DFT-s-OFDM 256 QAM	1@104	19.06	20.18	0.1042
7	15	20	512000	2560	CP-OFDM QPSK	53@26	22.61	23.73	0.2360
7	15	20	512000	2560	CP-OFDM QPSK	1@1	22.38	23.5	0.2239
7	15	20	512000	2560	CP-OFDM QPSK	1@104	21.98	23.1	0.2042

FR1 N7 (ANT2)

Transmitter Conducted Output Power

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@1	23.76
7	15	5	500500	2502.5	DFT-s-OFDM 16 QAM	1@1	22.81
7	15	5	507000	2535	DFT-s-OFDM QPSK	1@1	23.73
7	15	5	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.47
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@1	23.45
7	15	5	513500	2567.5	DFT-s-OFDM 16 QAM	1@1	22.2
7	15	10	501000	2505	DFT-s-OFDM QPSK	1@1	23.86
7	15	10	501000	2505	DFT-s-OFDM 16 QAM	1@1	22.83
7	15	10	507000	2535	DFT-s-OFDM QPSK	1@1	23.56
7	15	10	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.52
7	15	10	513000	2565	DFT-s-OFDM QPSK	1@1	23.43
7	15	10	513000	2565	DFT-s-OFDM 16 QAM	1@1	22.37
7	15	15	501500	2507.5	DFT-s-OFDM QPSK	1@1	24.06
7	15	15	501500	2507.5	DFT-s-OFDM 16 QAM	1@1	23.01
7	15	15	507000	2535	DFT-s-OFDM QPSK	1@1	23.92
7	15	15	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.8
7	15	15	512500	2562.5	DFT-s-OFDM QPSK	1@1	23.72
7	15	15	512500	2562.5	DFT-s-OFDM 16 QAM	1@1	22.58
7	15	20	502000	2510	DFT-s-OFDM QPSK	50@25	24.18
7	15	20	502000	2510	DFT-s-OFDM QPSK	1@1	24.21
7	15	20	502000	2510	DFT-s-OFDM QPSK	1@104	23.59
7	15	20	502000	2510	DFT-s-OFDM 16 QAM	50@25	23.17
7	15	20	502000	2510	DFT-s-OFDM 16 QAM	1@1	23.53
7	15	20	502000	2510	DFT-s-OFDM 16 QAM	1@104	22.55
7	15	20	502000	2510	DFT-s-OFDM 64 QAM	50@25	21.71
7	15	20	502000	2510	DFT-s-OFDM 64 QAM	1@1	22.28
7	15	20	502000	2510	DFT-s-OFDM 64 QAM	1@104	21.2
7	15	20	502000	2510	DFT-s-OFDM 256 QAM	50@25	19.61
7	15	20	502000	2510	DFT-s-OFDM 256 QAM	1@1	19.69
7	15	20	502000	2510	DFT-s-OFDM 256 QAM	1@104	18.66
7	15	20	502000	2510	CP-OFDM QPSK	53@26	22.71
7	15	20	502000	2510	CP-OFDM QPSK	1@1	23.03
7	15	20	502000	2510	CP-OFDM QPSK	1@104	22.03
7	15	20	507000	2535	DFT-s-OFDM QPSK	50@25	23.15
7	15	20	507000	2535	DFT-s-OFDM QPSK	1@1	23.23
7	15	20	507000	2535	DFT-s-OFDM QPSK	1@104	23.53
7	15	20	507000	2535	DFT-s-OFDM 16 QAM	50@25	22.08
7	15	20	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.2
7	15	20	507000	2535	DFT-s-OFDM 16 QAM	1@104	22.66
7	15	20	507000	2535	DFT-s-OFDM 64 QAM	50@25	20.79
7	15	20	507000	2535	DFT-s-OFDM 64 QAM	1@1	20.91
7	15	20	507000	2535	DFT-s-OFDM 64 QAM	1@104	21.26

7	15	20	507000	2535	DFT-s-OFDM 256 QAM	50@25	18.66
7	15	20	507000	2535	DFT-s-OFDM 256 QAM	1@1	18.45
7	15	20	507000	2535	DFT-s-OFDM 256 QAM	1@104	18.86
7	15	20	507000	2535	CP-OFDM QPSK	53@26	21.71
7	15	20	507000	2535	CP-OFDM QPSK	1@1	21.7
7	15	20	507000	2535	CP-OFDM QPSK	1@104	21.62
7	15	20	512000	2560	DFT-s-OFDM QPSK	50@25	24.2
7	15	20	512000	2560	DFT-s-OFDM QPSK	1@1	24.02
7	15	20	512000	2560	DFT-s-OFDM QPSK	1@104	23.98
7	15	20	512000	2560	DFT-s-OFDM 16 QAM	50@25	23.27
7	15	20	512000	2560	DFT-s-OFDM 16 QAM	1@1	23.08
7	15	20	512000	2560	DFT-s-OFDM 16 QAM	1@104	23.11
7	15	20	512000	2560	DFT-s-OFDM 64 QAM	50@25	21.76
7	15	20	512000	2560	DFT-s-OFDM 64 QAM	1@1	21.62
7	15	20	512000	2560	DFT-s-OFDM 64 QAM	1@104	21.71
7	15	20	512000	2560	DFT-s-OFDM 256 QAM	50@25	19.12
7	15	20	512000	2560	DFT-s-OFDM 256 QAM	1@1	19.26
7	15	20	512000	2560	DFT-s-OFDM 256 QAM	1@104	19.22
7	15	20	512000	2560	CP-OFDM QPSK	53@26	22.8
7	15	20	512000	2560	CP-OFDM QPSK	1@1	22.56
7	15	20	512000	2560	CP-OFDM QPSK	1@104	22.16

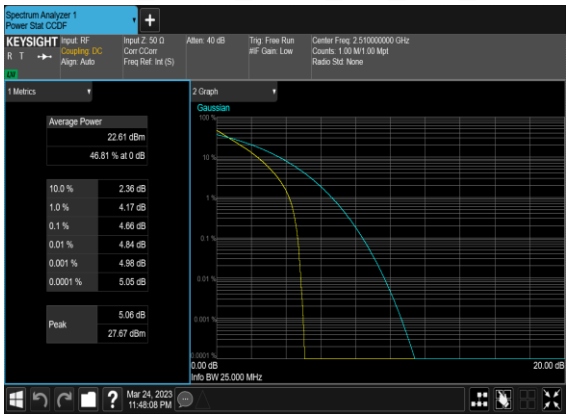
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0000	**PASS**	NV
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0017	**PASS**	LV
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0006	**PASS**	HV
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0006	**PASS**	-30℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0030	**PASS**	-20℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0016	**PASS**	-10℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0014	**PASS**	0℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0007	**PASS**	10℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0000	**PASS**	20℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0012	**PASS**	30℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0009	**PASS**	40℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0005	**PASS**	50℃

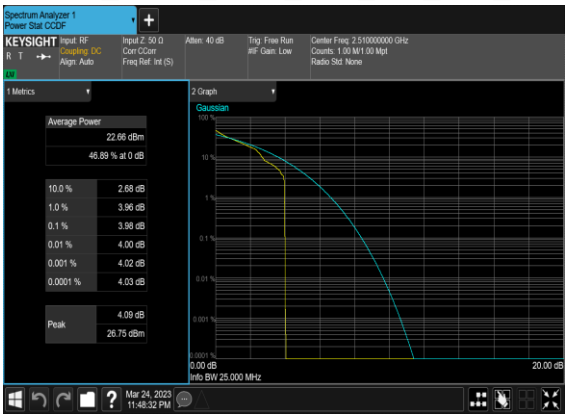
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	100@0	4.66	13	**PASS**
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	1@0	3.98	13	**PASS**
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	4.51	13	**PASS**
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	1@0	3.92	13	**PASS**
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	100@0	4.66	13	**PASS**
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@0	3.7	13	**PASS**

N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

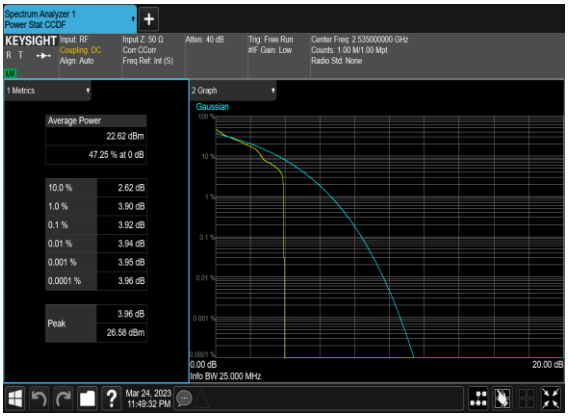


N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

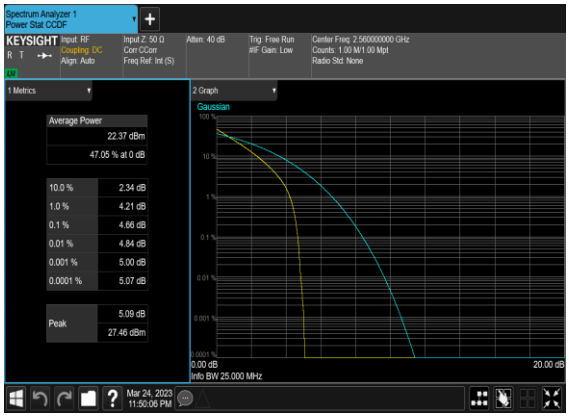


N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

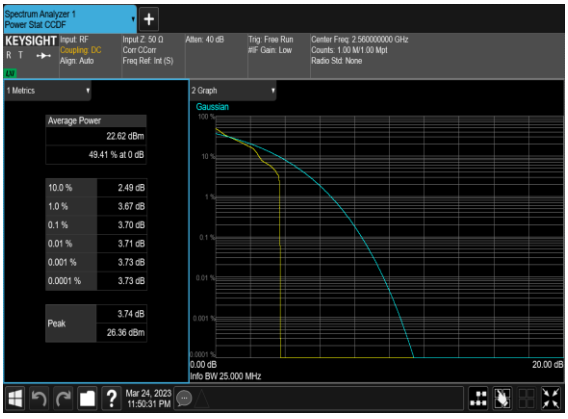
N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



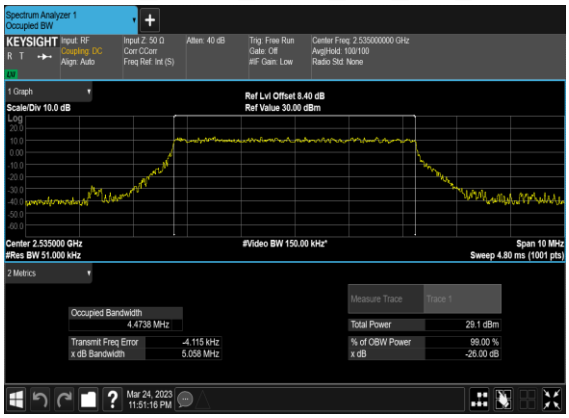
N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



Occupied Bandwidth

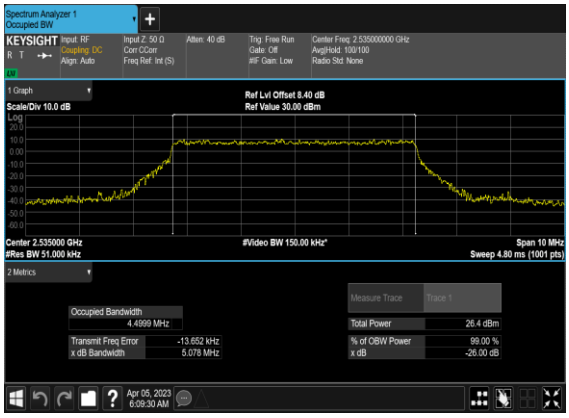
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
7	15	5	507000	2535.0	DFT-s-OFDM QPSK	25@0	4.4738	5.058
7	15	5	507000	2535.0	CP-OFDM QPSK	25@0	4.4628	5.06
7	15	5	507000	2535.0	CP-OFDM 16 QAM	25@0	4.4999	5.078
7	15	5	507000	2535.0	CP-OFDM 64 QAM	25@0	4.4628	4.973
7	15	5	507000	2535.0	CP-OFDM 256 QAM	25@0	4.4777	5.004
7	15	10	507000	2535.0	DFT-s-OFDM QPSK	50@0	8.9059	9.683
7	15	10	507000	2535.0	CP-OFDM QPSK	52@0	9.2776	10.04
7	15	10	507000	2535.0	CP-OFDM 16 QAM	52@0	9.2853	10.05
7	15	10	507000	2535.0	CP-OFDM 64 QAM	52@0	9.282	9.993
7	15	10	507000	2535.0	CP-OFDM 256 QAM	52@0	9.2843	9.967
7	15	15	507000	2535.0	DFT-s-OFDM QPSK	75@0	13.383	14.27
7	15	15	507000	2535.0	CP-OFDM QPSK	79@0	14.102	14.97
7	15	15	507000	2535.0	CP-OFDM 16 QAM	79@0	14.078	14.9
7	15	15	507000	2535.0	CP-OFDM 64 QAM	79@0	14.115	14.9
7	15	15	507000	2535.0	CP-OFDM 256 QAM	79@0	14.087	14.87
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	17.841	18.74
7	15	20	507000	2535.0	CP-OFDM QPSK	106@0	18.898	19.94
7	15	20	507000	2535.0	CP-OFDM 16 QAM	106@0	18.91	19.94
7	15	20	507000	2535.0	CP-OFDM 64 QAM	106@0	18.892	19.75
7	15	20	507000	2535.0	CP-OFDM 256 QAM	106@0	18.903	19.79

N7(5M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

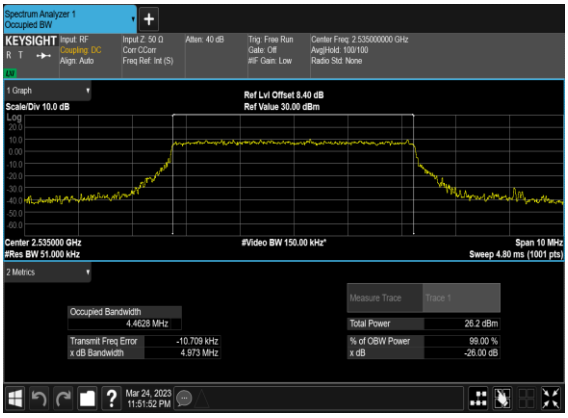


N7(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

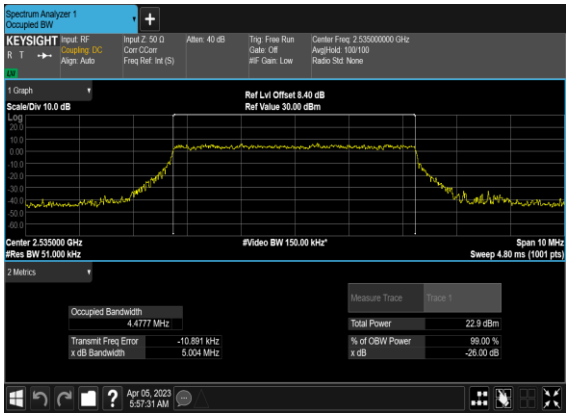
N7(5M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N7(5M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

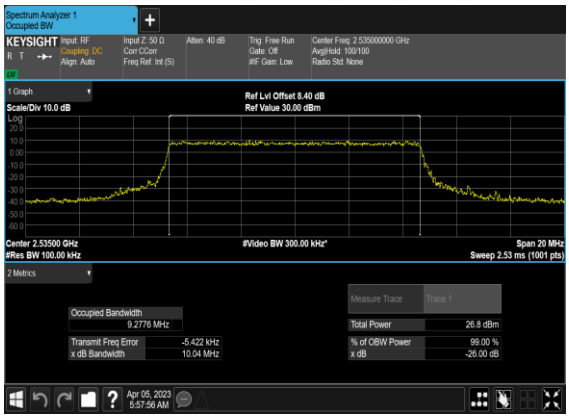


N7(5M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

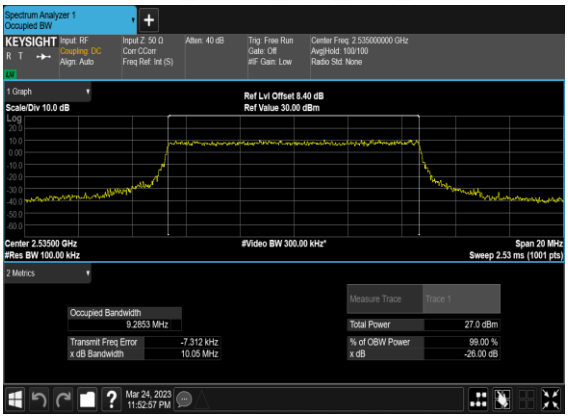


N7(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

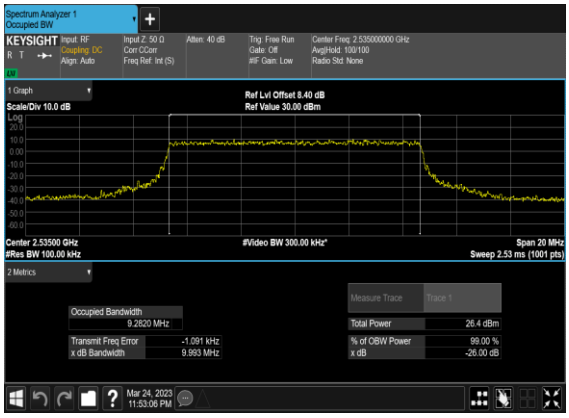
N7(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



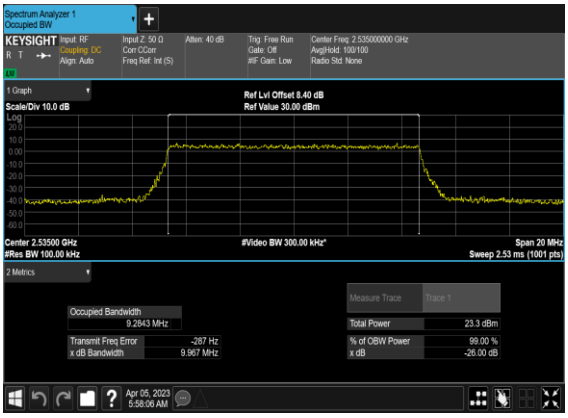
N7(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N7(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

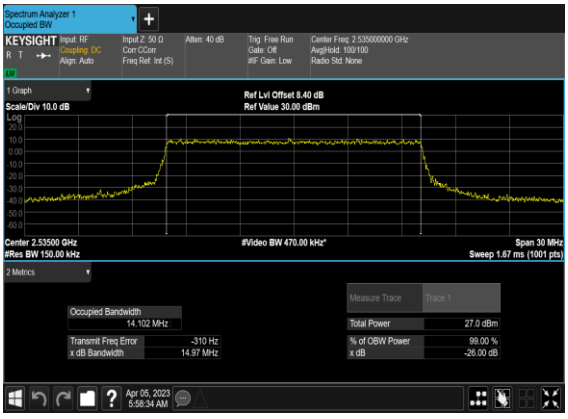


N7(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

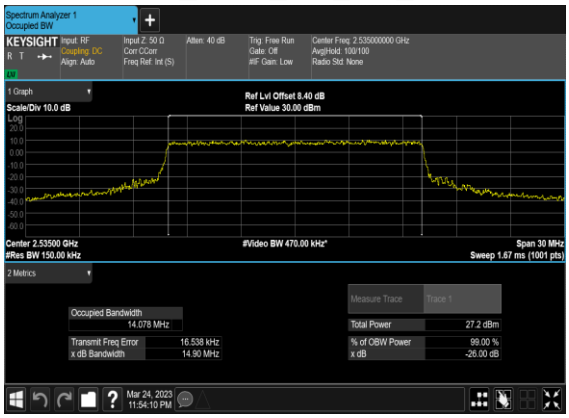


N7(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

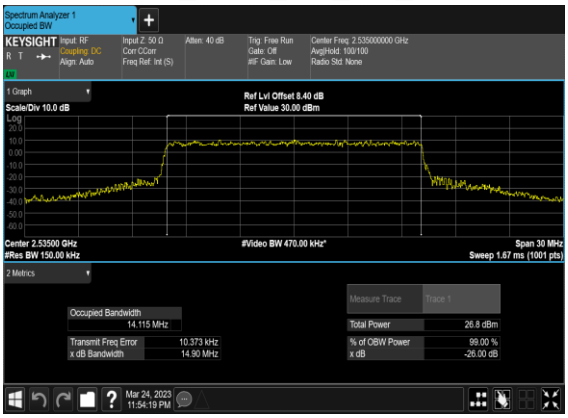
N7(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



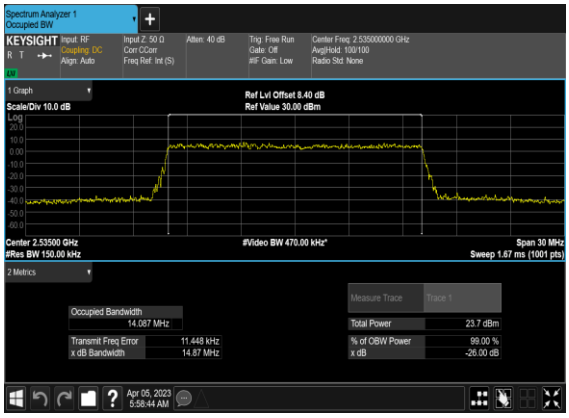
N7(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



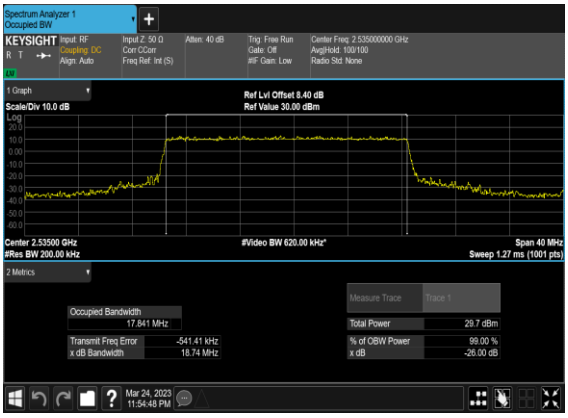
N7(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



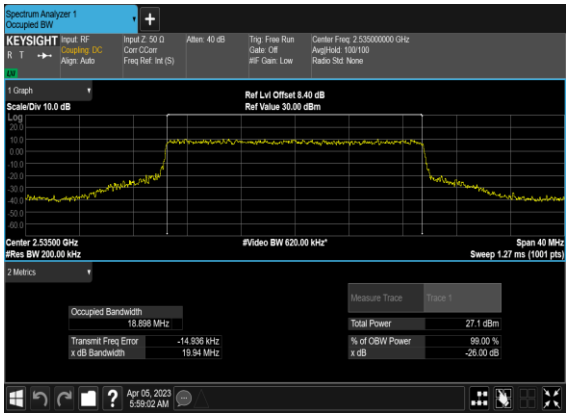
N7(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

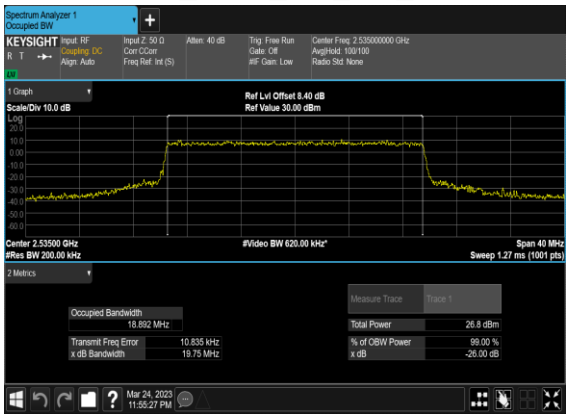


N7(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

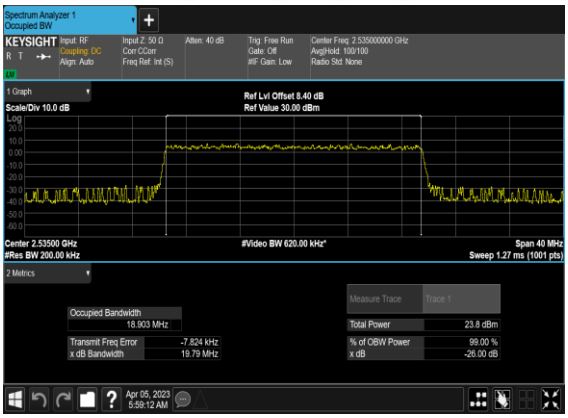


N7(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N7(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N7(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

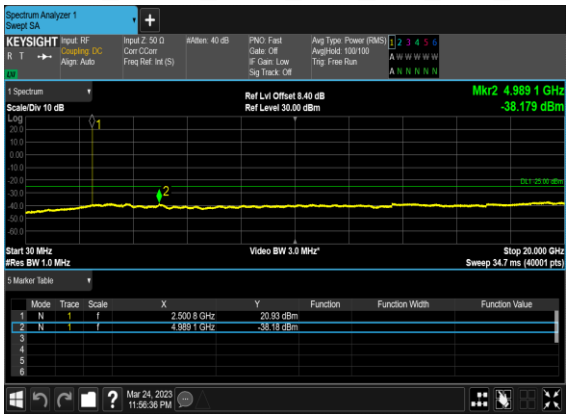


Conducted Spurious Emissions

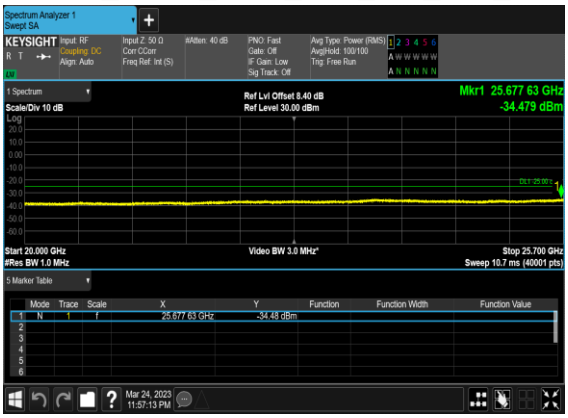
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	5	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
7	15	5	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	5	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	10	501000	2505.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
7	15	10	501000	2505.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	10	501000	2505.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	10	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
7	15	10	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	10	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	10	513000	2565.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
7	15	10	513000	2565.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	10	513000	2565.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	**---**

7	15	20	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

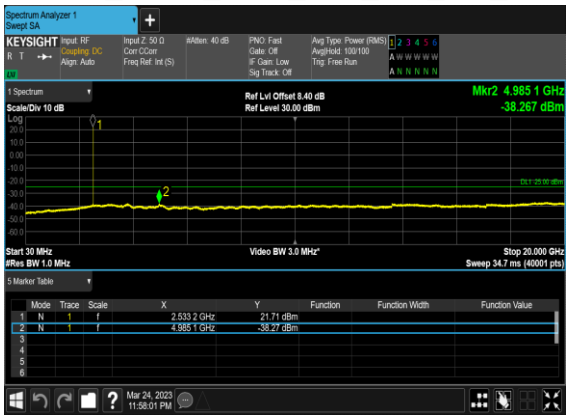
N7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



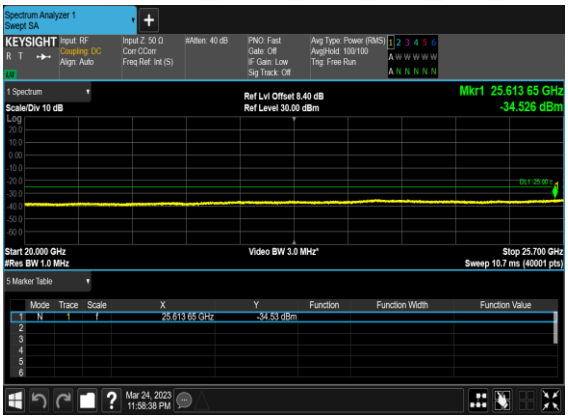
N7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



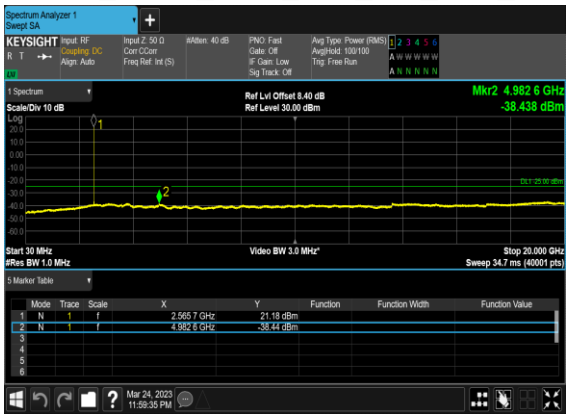
N7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



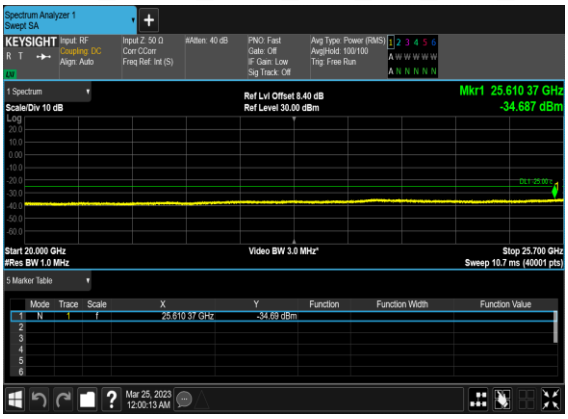
N7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



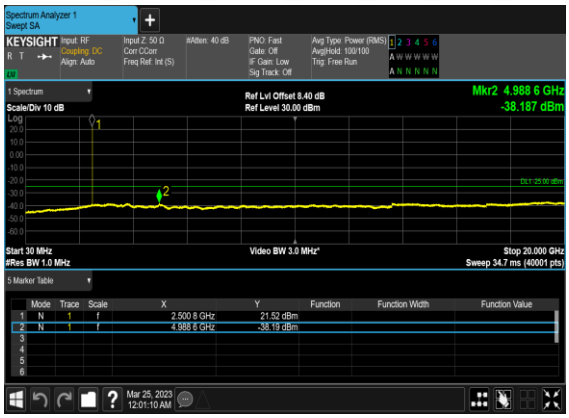
N7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



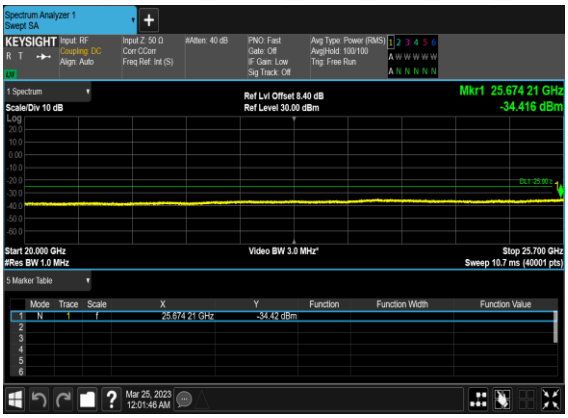
N7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



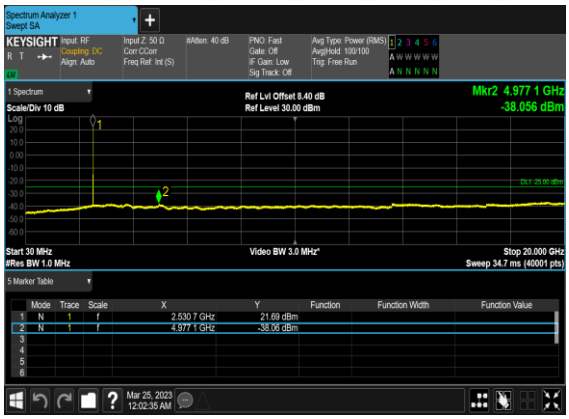
N7(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



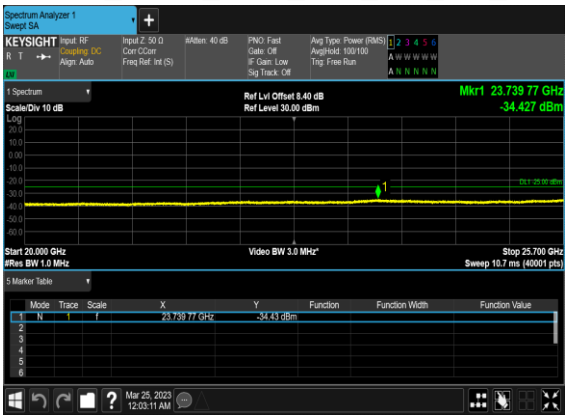
N7(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



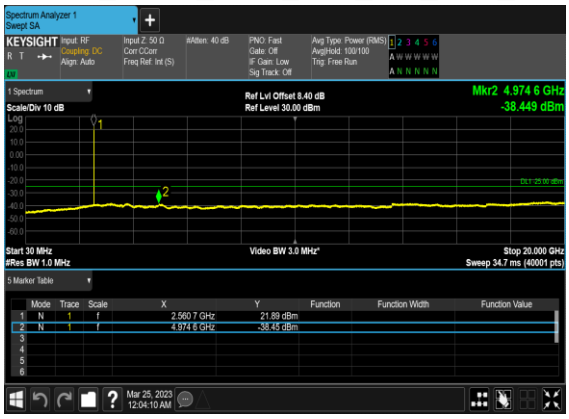
N7(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



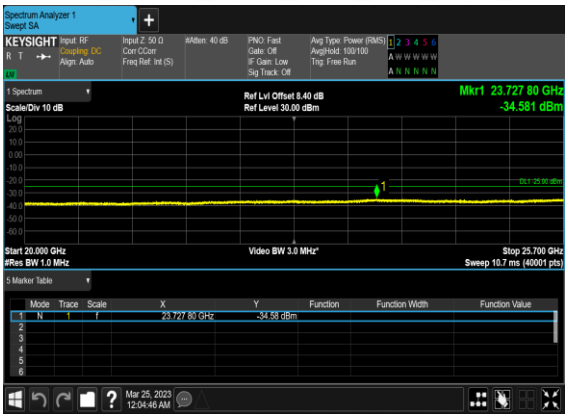
N7(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



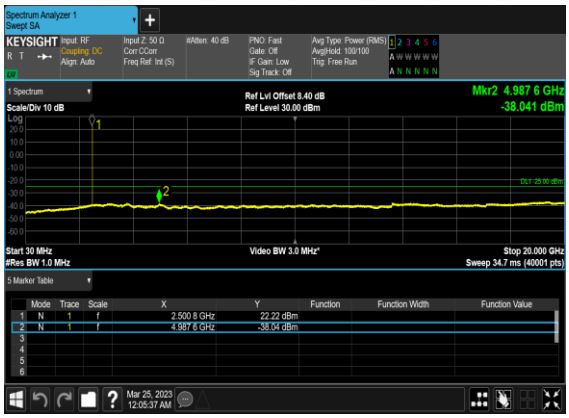
N7(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



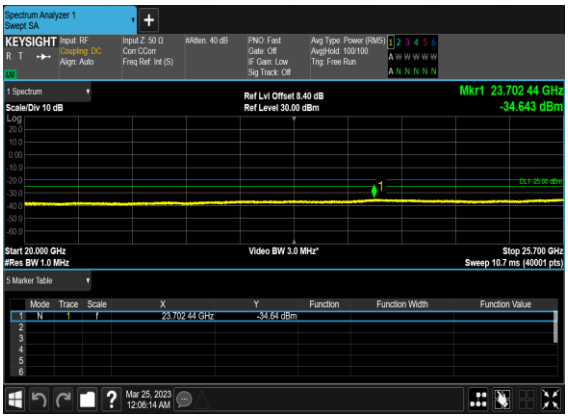
N7(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



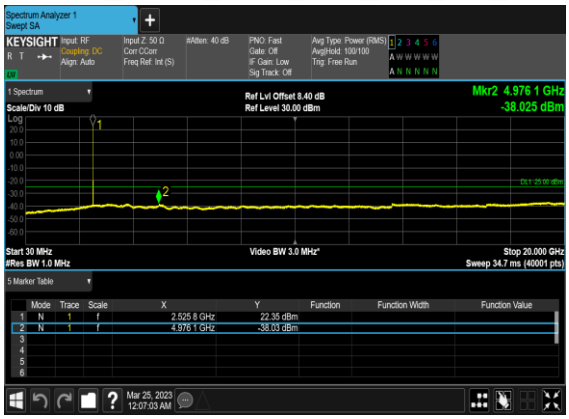
N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



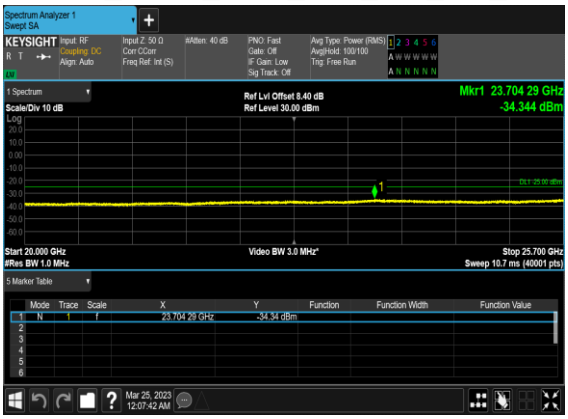
N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



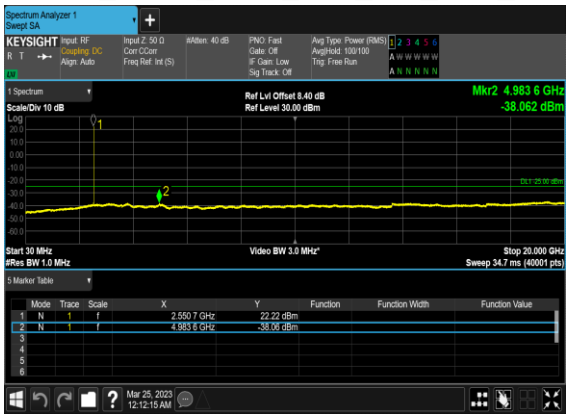
N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



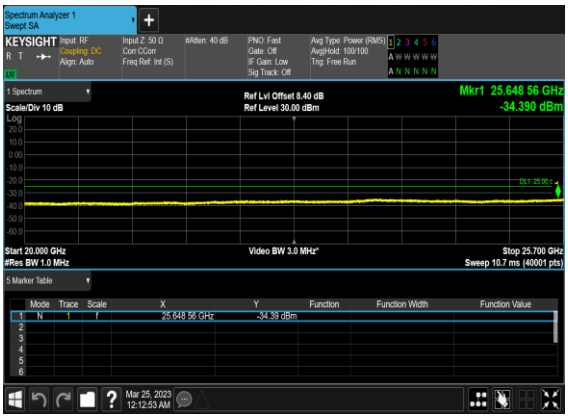
N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



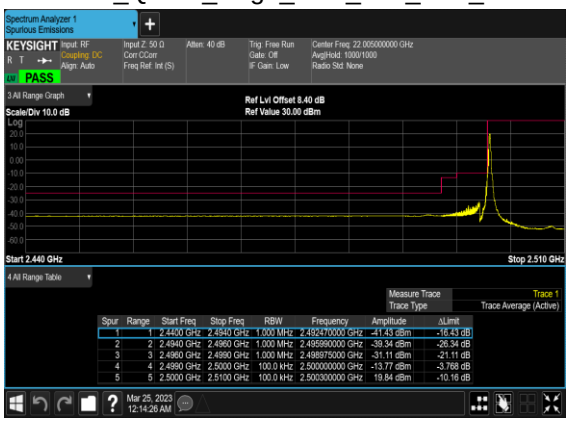
N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



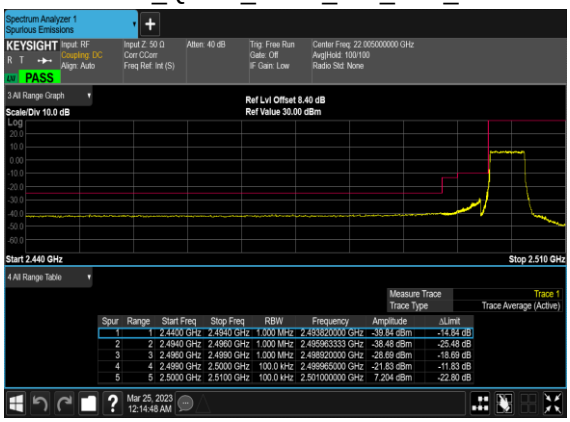
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@24	see graph	**PASS**
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
7	15	10	501000	2505.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	10	501000	2505.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
7	15	10	513000	2565.0	DFT-s-OFDM QPSK	1@51	see graph	**PASS**
7	15	10	513000	2565.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
7	15	20	502000	2510.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	1@105	see graph	**PASS**
7	15	20	512000	2560.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**

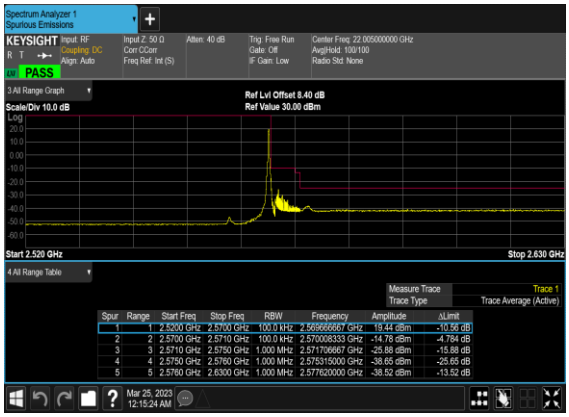
N7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



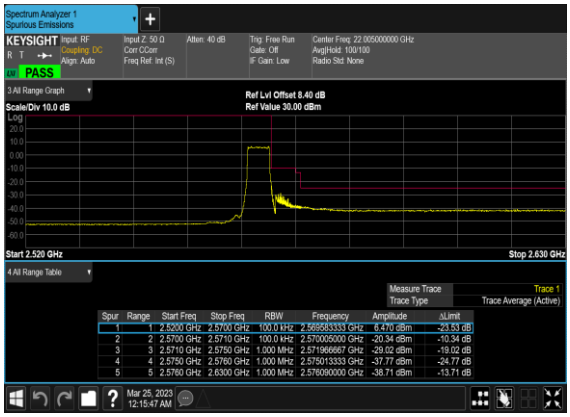
N7(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



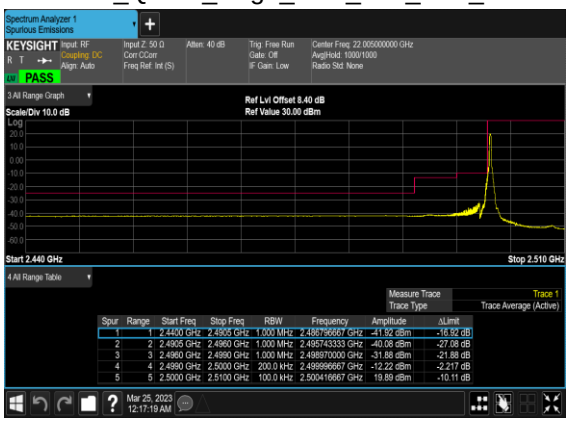
N7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



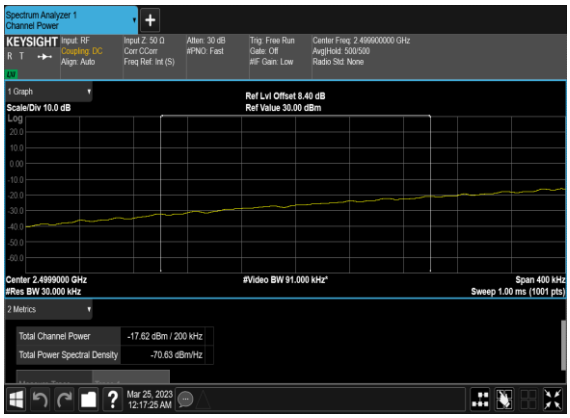
N7(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



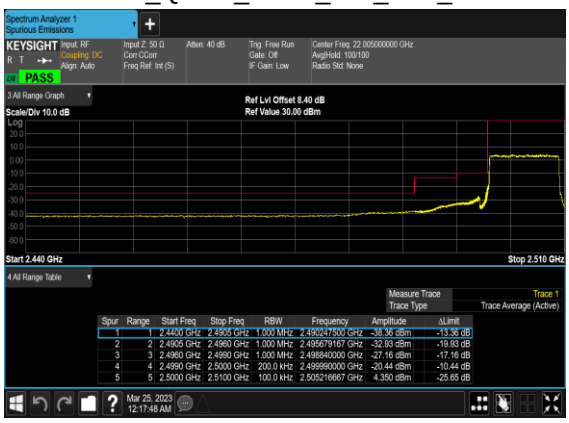
N7(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



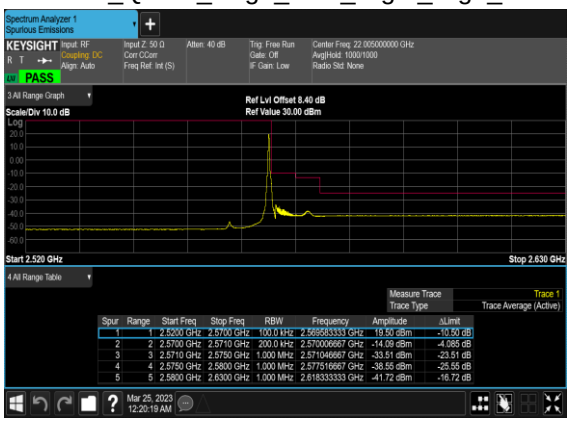
N7(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



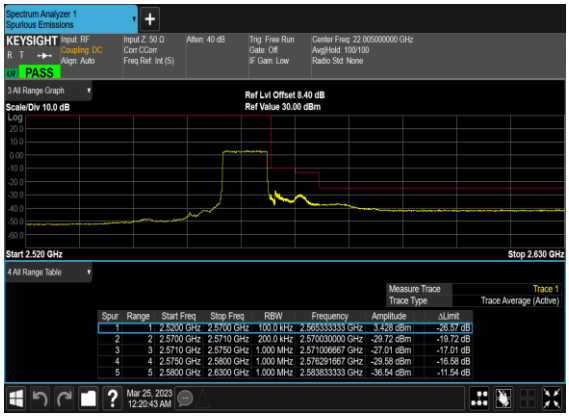
N7(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



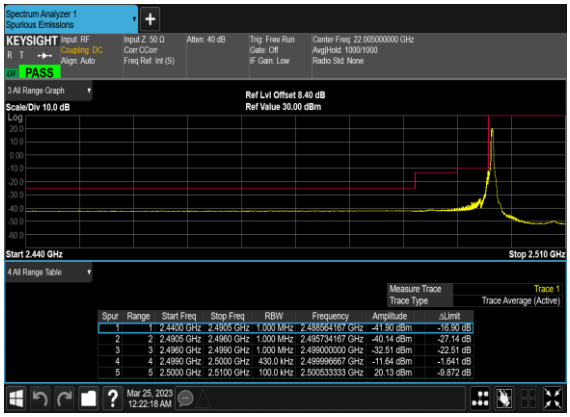
N7(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



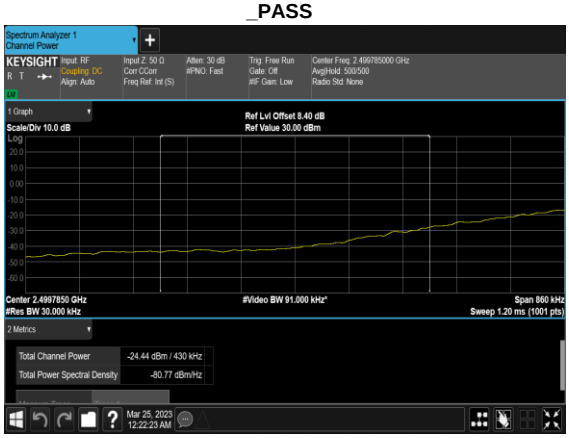
N7(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



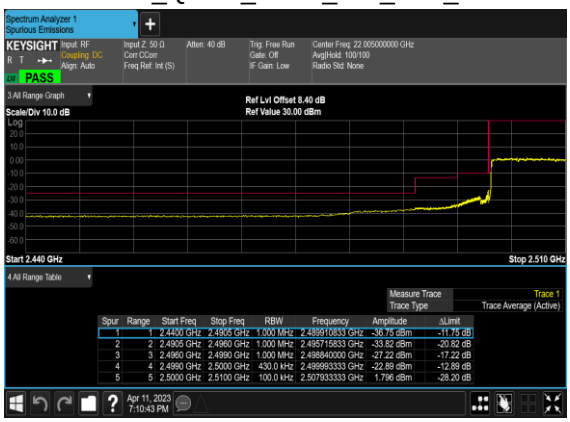
N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



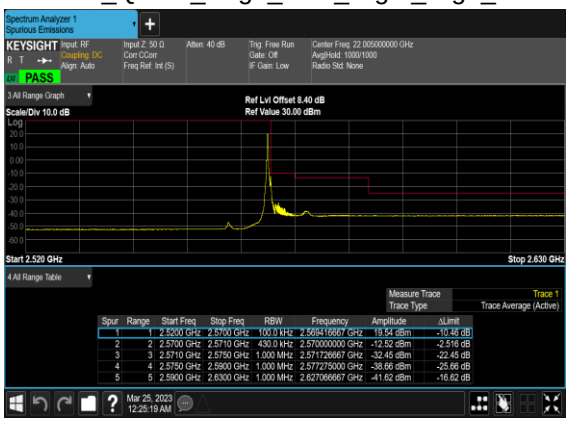
N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



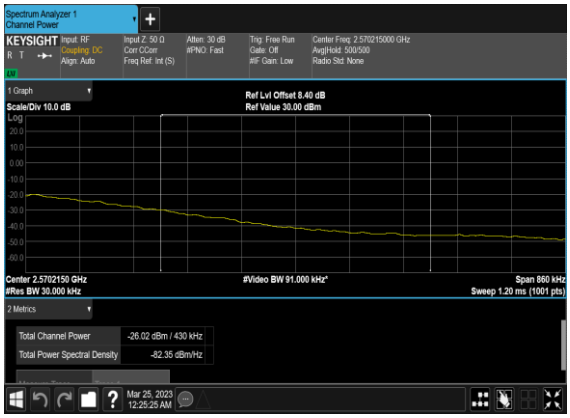
N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



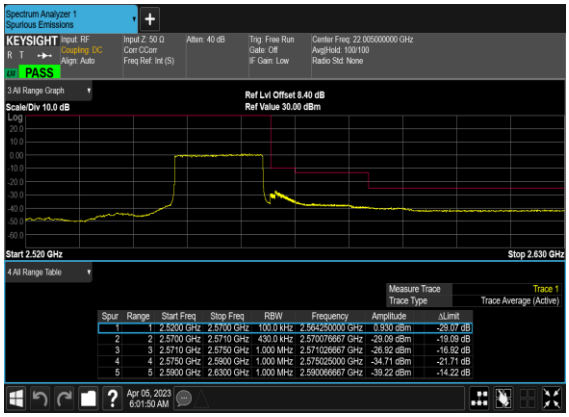
N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 22.12.120701

FR1 N38 (ANT3)

Transmitter Conducted Output Power And EIRP, (GT - LC)=1.12dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP(dBm)	EIRP(W)
38	30	20	516000	2580	DFT-s-OFDM QPSK	1@1	23.88	25	0.3162
38	30	20	516000	2580	DFT-s-OFDM 16 QAM	1@1	22.91	24.03	0.2529
38	30	20	519000	2595	DFT-s-OFDM QPSK	1@1	23.78	24.9	0.3090
38	30	20	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.83	23.95	0.2483
38	30	20	522000	2610	DFT-s-OFDM QPSK	1@1	23.62	24.74	0.2979
38	30	20	522000	2610	DFT-s-OFDM 16 QAM	1@1	22.67	23.79	0.2393
38	30	30	517000	2585	DFT-s-OFDM QPSK	1@1	23.94	25.06	0.3206
38	30	30	517000	2585	DFT-s-OFDM 16 QAM	1@1	23.1	24.22	0.2642
38	30	30	519000	2595	DFT-s-OFDM QPSK	1@1	23.9	25.02	0.3177
38	30	30	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.89	24.01	0.2518
38	30	30	521000	2605	DFT-s-OFDM QPSK	1@1	23.81	24.93	0.3112
38	30	30	521000	2605	DFT-s-OFDM 16 QAM	1@1	22.94	24.06	0.2547
38	30	40	518000	2590	DFT-s-OFDM QPSK	50@25	23.87	24.99	0.3155
38	30	40	518000	2590	DFT-s-OFDM QPSK	1@1	23.92	25.04	0.3192
38	30	40	518000	2590	DFT-s-OFDM QPSK	1@104	23.95	25.07	0.3214
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	50@25	22.94	24.06	0.2547
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	1@1	23.06	24.18	0.2618
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	1@104	23.18	24.3	0.2692
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	50@25	21.46	22.58	0.1811
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	1@1	21.59	22.71	0.1866
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	1@104	21.62	22.74	0.1879
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	50@25	19.27	20.39	0.1094
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	1@1	19.31	20.43	0.1104
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	1@104	19.41	20.53	0.1130
38	30	40	518000	2590	CP-OFDM QPSK	53@26	22.39	23.51	0.2244
38	30	40	518000	2590	CP-OFDM QPSK	1@1	22.42	23.54	0.2259
38	30	40	518000	2590	CP-OFDM QPSK	1@104	22.48	23.6	0.2291
38	30	40	519000	2595	DFT-s-OFDM QPSK	50@25	23.9	25.02	0.3177

38	30	40	519000	2595	DFT-s-OFDM QPSK	1@1	24.06	25.18	0.3296
38	30	40	519000	2595	DFT-s-OFDM QPSK	1@104	23.99	25.11	0.3243
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	50@25	22.88	24	0.2512
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	1@1	22.92	24.04	0.2535
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	1@104	23.09	24.21	0.2636
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	50@25	21.36	22.48	0.1770
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	1@1	21.47	22.59	0.1816
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	1@104	21.68	22.8	0.1905
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	50@25	19.33	20.45	0.1109
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	1@1	19.24	20.36	0.1086
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	1@104	19.41	20.53	0.1130
38	30	40	519000	2595	CP-OFDM QPSK	53@26	22.4	23.52	0.2249
38	30	40	519000	2595	CP-OFDM QPSK	1@1	22.39	23.51	0.2244
38	30	40	519000	2595	CP-OFDM QPSK	1@104	22.51	23.63	0.2307
38	30	40	520000	2600	DFT-s-OFDM QPSK	50@25	23.85	24.97	0.3141
38	30	40	520000	2600	DFT-s-OFDM QPSK	1@1	23.83	24.95	0.3126
38	30	40	520000	2600	DFT-s-OFDM QPSK	1@104	23.9	25.02	0.3177
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	50@25	22.82	23.94	0.2477
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	1@1	22.83	23.95	0.2483
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	1@104	23.02	24.14	0.2594
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	50@25	21.35	22.47	0.1766
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	1@1	21.36	22.48	0.1770
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	1@104	21.57	22.69	0.1858
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	50@25	19.28	20.4	0.1096
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	1@1	19.2	20.32	0.1076
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	1@104	19.39	20.51	0.1125
38	30	40	520000	2600	CP-OFDM QPSK	53@26	22.37	23.49	0.2234
38	30	40	520000	2600	CP-OFDM QPSK	1@1	22.36	23.48	0.2228
38	30	40	520000	2600	CP-OFDM QPSK	1@104	22.54	23.66	0.2323

Software Version: 22.12.120701

FR1 N41 (ANT3)

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=1.12dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@1	25.14	26.26	0.4227
41	30	20	501204	2506.02	DFT-s-OFDM 16 QAM	1@1	24.24	25.36	0.3436
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.03	26.15	0.4121
41	30	20	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	23.99	25.11	0.3243
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@1	24.76	25.88	0.3873
41	30	20	535998	2679.99	DFT-s-OFDM 16 QAM	1@1	23.68	24.8	0.3020
41	30	30	502200	2511	DFT-s-OFDM QPSK	1@1	24.98	26.1	0.4074
41	30	30	502200	2511	DFT-s-OFDM 16 QAM	1@1	24.23	25.35	0.3428
41	30	30	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.07	26.19	0.4159
41	30	30	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.13	25.25	0.3350
41	30	30	534996	2674.98	DFT-s-OFDM QPSK	1@1	24.7	25.82	0.3819
41	30	30	534996	2674.98	DFT-s-OFDM 16 QAM	1@1	23.81	24.93	0.3112
41	30	40	503202	2516.01	DFT-s-OFDM QPSK	1@1	24.99	26.11	0.4083
41	30	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@1	24.13	25.25	0.3350
41	30	40	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.15	26.27	0.4236
41	30	40	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.22	25.34	0.3420
41	30	40	534000	2670	DFT-s-OFDM QPSK	1@1	24.67	25.79	0.3793
41	30	40	534000	2670	DFT-s-OFDM 16 QAM	1@1	23.67	24.79	0.3013
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@1	25.1	26.22	0.4188
41	30	50	504204	2521.02	DFT-s-OFDM 16 QAM	1@1	24.14	25.26	0.3357
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@1	24.94	26.06	0.4036
41	30	50	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.09	25.21	0.3319
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@1	24.48	25.6	0.3631
41	30	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@1	23.5	24.62	0.2897
41	30	60	505200	2526	DFT-s-OFDM QPSK	1@1	25.24	26.36	0.4325
41	30	60	505200	2526	DFT-s-OFDM 16 QAM	1@1	24.6	25.72	0.3733
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@1	24.96	26.08	0.4055
41	30	60	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.05	25.17	0.3289

41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@1	24.61	25.73	0.3741
41	30	60	531996	2659.98	DFT-s-OFDM 16 QAM	1@1	23.72	24.84	0.3048
41	30	70	505200	2531.01	DFT-s-OFDM QPSK	1@1	25.27	26.39	0.4355
41	30	70	505200	2531.01	DFT-s-OFDM 16 QAM	1@1	24.36	25.48	0.3532
41	30	70	518598	2592.99	DFT-s-OFDM QPSK	1@1	24.78	25.9	0.3890
41	30	70	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	23.87	24.99	0.3155
41	30	70	531996	2655	DFT-s-OFDM QPSK	1@1	24.58	25.7	0.3715
41	30	70	531996	2655	DFT-s-OFDM 16 QAM	1@1	23.65	24.77	0.2999
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	1@1	25.2	26.32	0.4285
41	30	80	507204	2536.02	DFT-s-OFDM 16 QAM	1@1	24.31	25.43	0.3491
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	1@1	24.74	25.86	0.3855
41	30	80	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	23.71	24.83	0.3041
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	1@1	24.39	25.51	0.3556
41	30	80	529998	2649.99	DFT-s-OFDM 16 QAM	1@1	23.45	24.57	0.2864
41	30	90	508200	2541	DFT-s-OFDM QPSK	1@1	25.2	26.32	0.4285
41	30	90	508200	2541	DFT-s-OFDM 16 QAM	1@1	24.33	25.45	0.3508
41	30	90	518598	2592.99	DFT-s-OFDM QPSK	1@1	24.77	25.89	0.3882
41	30	90	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	23.8	24.92	0.3105
41	30	90	528996	2644.98	DFT-s-OFDM QPSK	1@1	24.4	25.52	0.3565
41	30	90	528996	2644.98	DFT-s-OFDM 16 QAM	1@1	23.49	24.61	0.2891
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	135@67	25.01	26.13	0.4102
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@1	25.35	26.47	0.4436
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@271	24.68	25.8	0.3802
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	135@67	24.05	25.17	0.3289
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@1	24.28	25.4	0.3467
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@271	23.85	24.97	0.3141
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	135@67	22.53	23.65	0.2317
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@1	22.64	23.76	0.2377
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@271	22.3	23.42	0.2198
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	135@67	20.49	21.61	0.1449
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@1	20.58	21.7	0.1479
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@271	20.13	21.25	0.1334
41	30	100	509202	2546.01	CP-OFDM QPSK	137@68	23.56	24.68	0.2938
41	30	100	509202	2546.01	CP-OFDM QPSK	1@1	23.7	24.82	0.3034
41	30	100	509202	2546.01	CP-OFDM QPSK	1@271	23.29	24.41	0.2761

41	30	100	518598	2592.99	DFT-s-OFDM QPSK	135@67	24.78	25.9	0.3890
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@1	24.75	25.87	0.3864
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@271	24.62	25.74	0.3750
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	135@67	23.72	24.84	0.3048
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	23.78	24.9	0.3090
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@271	23.8	24.92	0.3105
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	135@67	22.18	23.3	0.2138
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	22.23	23.35	0.2163
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@271	22.24	23.36	0.2168
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	135@67	20.24	21.36	0.1368
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	20.1	21.22	0.1324
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@271	20.1	21.22	0.1324
41	30	100	518598	2592.99	CP-OFDM QPSK	137@68	23.19	24.31	0.2698
41	30	100	518598	2592.99	CP-OFDM QPSK	1@1	23.23	24.35	0.2723
41	30	100	518598	2592.99	CP-OFDM QPSK	1@271	23.18	24.3	0.2692
41	30	100	528000	2640	DFT-s-OFDM QPSK	135@67	24.51	25.63	0.3656
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@1	24.4	25.52	0.3565
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@271	25.03	26.15	0.4121
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	135@67	23.51	24.63	0.2904
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@1	23.48	24.6	0.2884
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@271	24.19	25.31	0.3396
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	135@67	21.99	23.11	0.2046
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@1	21.94	23.06	0.2023
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@271	22.65	23.77	0.2382
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	135@67	20.01	21.13	0.1297
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@1	19.76	20.88	0.1225
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@271	20.45	21.57	0.1435
41	30	100	528000	2640	CP-OFDM QPSK	137@68	22.97	24.09	0.2564
41	30	100	528000	2640	CP-OFDM QPSK	1@1	22.9	24.02	0.2523
41	30	100	528000	2640	CP-OFDM QPSK	1@271	23.66	24.78	0.3006

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Transmitter Conducted Output Power

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@1	25.34
41	30	20	501204	2506.02	DFT-s-OFDM 16 QAM	1@1	24.46
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.23
41	30	20	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.22
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@1	24.96
41	30	20	535998	2679.99	DFT-s-OFDM 16 QAM	1@1	23.93
41	30	30	502200	2511	DFT-s-OFDM QPSK	1@1	25.23
41	30	30	502200	2511	DFT-s-OFDM 16 QAM	1@1	24.43
41	30	30	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.27
41	30	30	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.37
41	30	30	534996	2674.98	DFT-s-OFDM QPSK	1@1	24.94
41	30	30	534996	2674.98	DFT-s-OFDM 16 QAM	1@1	24.04
41	30	40	503202	2516.01	DFT-s-OFDM QPSK	1@1	25.24
41	30	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@1	24.35
41	30	40	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.35
41	30	40	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.44
41	30	40	534000	2670	DFT-s-OFDM QPSK	1@1	24.88
41	30	40	534000	2670	DFT-s-OFDM 16 QAM	1@1	23.89
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@1	25.33
41	30	50	504204	2521.02	DFT-s-OFDM 16 QAM	1@1	24.39
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.19
41	30	50	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.3
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@1	24.71
41	30	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@1	23.74
41	30	60	505200	2526	DFT-s-OFDM QPSK	1@1	25.45
41	30	60	505200	2526	DFT-s-OFDM 16 QAM	1@1	24.82
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.17
41	30	60	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.26
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@1	24.83
41	30	60	531996	2659.98	DFT-s-OFDM 16 QAM	1@1	23.93
41	30	70	505200	2531.01	DFT-s-OFDM QPSK	1@1	25.52
41	30	70	505200	2531.01	DFT-s-OFDM 16 QAM	1@1	24.58
41	30	70	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.03
41	30	70	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.09
41	30	70	531996	2655	DFT-s-OFDM QPSK	1@1	24.8
41	30	70	531996	2655	DFT-s-OFDM 16 QAM	1@1	23.86
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	1@1	25.44
41	30	80	507204	2536.02	DFT-s-OFDM 16 QAM	1@1	24.55
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	1@1	24.96
41	30	80	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	23.96
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	1@1	24.64
41	30	80	529998	2649.99	DFT-s-OFDM 16 QAM	1@1	23.68

41	30	90	508200	2541	DFT-s-OFDM QPSK	1@1	25.44
41	30	90	508200	2541	DFT-s-OFDM 16 QAM	1@1	24.56
41	30	90	518598	2592.99	DFT-s-OFDM QPSK	1@1	24.99
41	30	90	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.01
41	30	90	528996	2644.98	DFT-s-OFDM QPSK	1@1	24.63
41	30	90	528996	2644.98	DFT-s-OFDM 16 QAM	1@1	23.71
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	135@67	25.24
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@1	25.55
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@271	24.91
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	135@67	24.25
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@1	24.5
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@271	24.07
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	135@67	22.78
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@1	22.88
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@271	22.52
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	135@67	20.73
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@1	20.78
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@271	20.38
41	30	100	509202	2546.01	CP-OFDM QPSK	137@68	23.76
41	30	100	509202	2546.01	CP-OFDM QPSK	1@1	23.95
41	30	100	509202	2546.01	CP-OFDM QPSK	1@271	23.51
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	135@67	24.98
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@1	24.95
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@271	24.84
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	135@67	23.93
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.02
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@271	24.02
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	135@67	22.42
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	22.44
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@271	22.44
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	135@67	20.47
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	20.32
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@271	20.35
41	30	100	518598	2592.99	CP-OFDM QPSK	137@68	23.43
41	30	100	518598	2592.99	CP-OFDM QPSK	1@1	23.45
41	30	100	518598	2592.99	CP-OFDM QPSK	1@271	23.43
41	30	100	528000	2640	DFT-s-OFDM QPSK	135@67	24.72
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@1	24.64
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@271	25.27
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	135@67	23.75
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@1	23.73
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@271	24.42
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	135@67	22.21
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@1	22.15
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@271	22.89
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	135@67	20.24
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@1	20
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@271	20.65

41	30	100	528000	2640	CP-OFDM QPSK	137@68	23.22
41	30	100	528000	2640	CP-OFDM QPSK	1@1	23.15
41	30	100	528000	2640	CP-OFDM QPSK	1@271	23.87

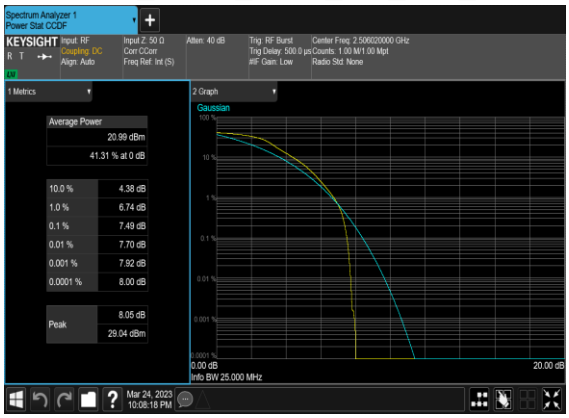
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0054	**PASS**	NV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0034	**PASS**	LV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0041	**PASS**	HV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0054	**PASS**	-30℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0024	**PASS**	-20℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0055	**PASS**	-10℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0042	**PASS**	0℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0056	**PASS**	10℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0054	**PASS**	20℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0040	**PASS**	30℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0058	**PASS**	40℃
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0029	**PASS**	50℃

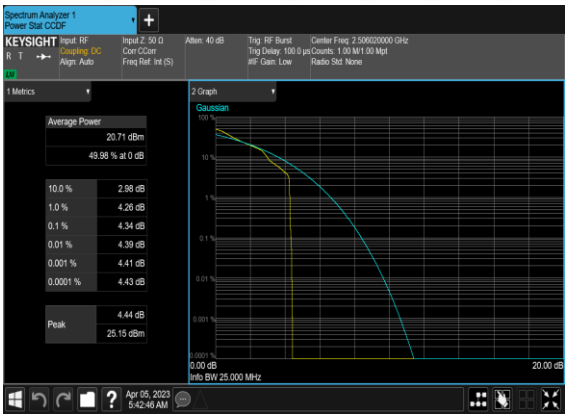
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	7.49	13	**PASS**
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@0	4.34	13	**PASS**
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	7.46	13	**PASS**
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@0	5.81	13	**PASS**
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@0	7.45	13	**PASS**
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@0	5.09	13	**PASS**

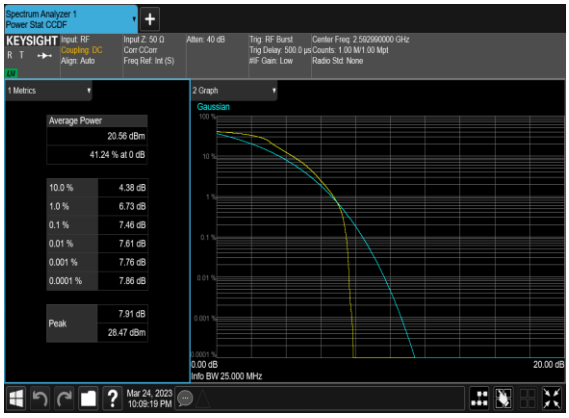
N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



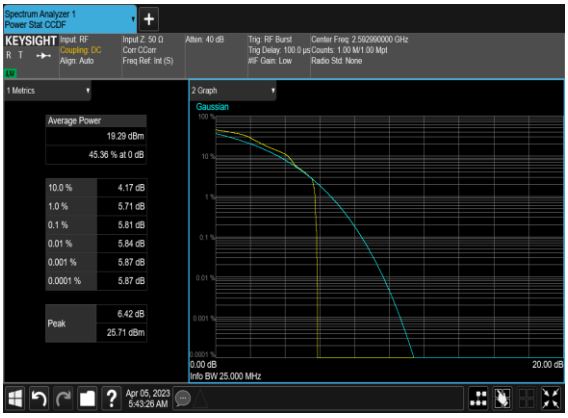
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

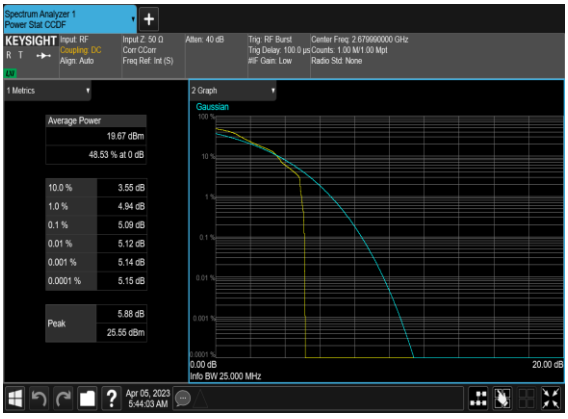


N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

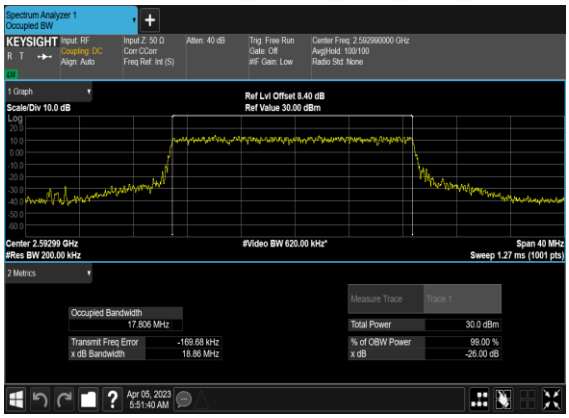


Occupied Bandwidth

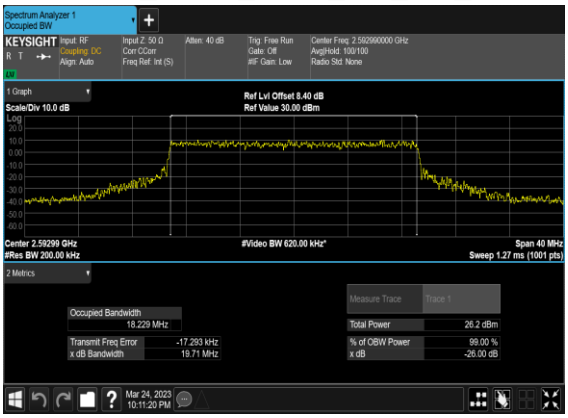
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	17.806	18.86
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	18.229	19.71
41	30	20	518598	2592.99	CP-OFDM 16 QAM	51@0	18.215	19.41
41	30	20	518598	2592.99	CP-OFDM 64 QAM	51@0	18.222	19.31
41	30	20	518598	2592.99	CP-OFDM 256 QAM	51@0	18.213	19.55
41	30	30	518598	2592.99	DFT-s-OFDM QPSK	75@0	26.742	27.85
41	30	30	518598	2592.99	CP-OFDM QPSK	78@0	27.874	28.93
41	30	30	518598	2592.99	CP-OFDM 16 QAM	78@0	27.845	29.31
41	30	30	518598	2592.99	CP-OFDM 64 QAM	78@0	27.834	29.3
41	30	30	518598	2592.99	CP-OFDM 256 QAM	78@0	27.732	28.95
41	30	40	518598	2592.99	DFT-s-OFDM QPSK	100@0	35.716	37.37
41	30	40	518598	2592.99	CP-OFDM QPSK	106@0	37.898	39.51
41	30	40	518598	2592.99	CP-OFDM 16 QAM	106@0	37.897	39.46
41	30	40	518598	2592.99	CP-OFDM 64 QAM	106@0	37.843	39.26
41	30	40	518598	2592.99	CP-OFDM 256 QAM	106@0	37.86	39.45
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	128@0	45.484	47.98
41	30	50	518598	2592.99	CP-OFDM QPSK	133@0	47.577	49.03
41	30	50	518598	2592.99	CP-OFDM 16 QAM	133@0	47.426	49.42
41	30	50	518598	2592.99	CP-OFDM 64 QAM	133@0	47.349	49.33
41	30	50	518598	2592.99	CP-OFDM 256 QAM	133@0	47.517	49.36
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	162@0	57.755	59.78
41	30	60	518598	2592.99	CP-OFDM QPSK	162@0	57.891	59.77
41	30	60	518598	2592.99	CP-OFDM 16 QAM	162@0	57.919	59.92
41	30	60	518598	2592.99	CP-OFDM 64 QAM	162@0	57.935	60.31

41	30	60	518598	2592.99	CP-OFDM 256 QAM	162@0	57.84	60.27
41	30	70	518598	2592.99	DFT-s-OFDM QPSK	180@0	64.273	66.43
41	30	70	518598	2592.99	CP-OFDM QPSK	189@0	67.764	69.53
41	30	70	518598	2592.99	CP-OFDM 16 QAM	189@0	67.484	69.66
41	30	70	518598	2592.99	CP-OFDM 64 QAM	189@0	67.57	69.63
41	30	70	518598	2592.99	CP-OFDM 256 QAM	189@0	67.446	69.8
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	216@0	77.277	79.63
41	30	80	518598	2592.99	CP-OFDM QPSK	217@0	77.738	80.01
41	30	80	518598	2592.99	CP-OFDM 16 QAM	217@0	77.39	80.08
41	30	80	518598	2592.99	CP-OFDM 64 QAM	217@0	77.599	79.97
41	30	80	518598	2592.99	CP-OFDM 256 QAM	217@0	77.443	79.97
41	30	90	518598	2592.99	DFT-s-OFDM QPSK	240@0	85.853	88.34
41	30	90	518598	2592.99	CP-OFDM QPSK	245@0	87.453	90.13
41	30	90	518598	2592.99	CP-OFDM 16 QAM	245@0	87.538	90.33
41	30	90	518598	2592.99	CP-OFDM 64 QAM	245@0	87.618	90.38
41	30	90	518598	2592.99	CP-OFDM 256 QAM	245@0	87.532	90.07
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	270@0	96.797	99.4
41	30	100	518598	2592.99	CP-OFDM QPSK	273@0	97.657	100.6
41	30	100	518598	2592.99	CP-OFDM 16 QAM	273@0	97.765	100.7
41	30	100	518598	2592.99	CP-OFDM 64 QAM	273@0	97.687	100.7
41	30	100	518598	2592.99	CP-OFDM 256 QAM	273@0	97.906	100.5

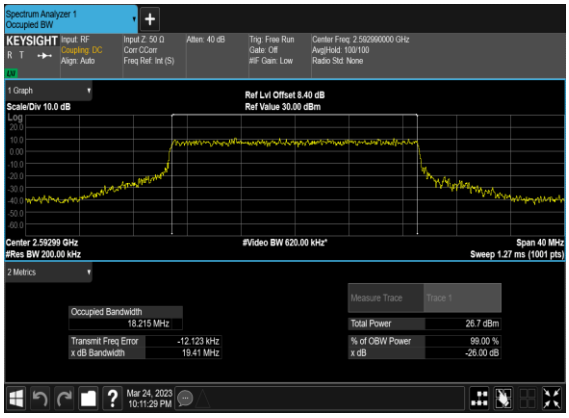
N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N41(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

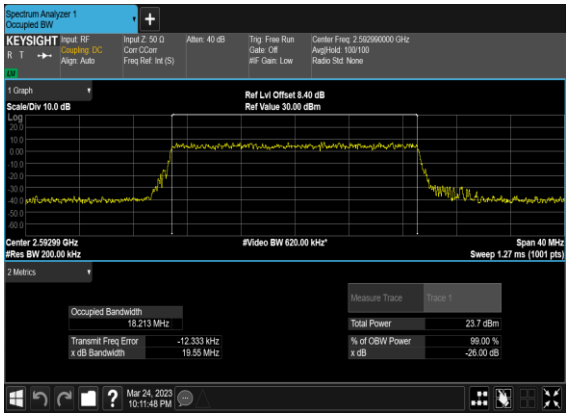


N41(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

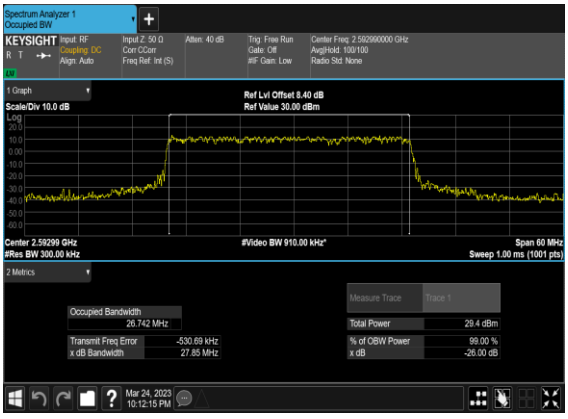


N41(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

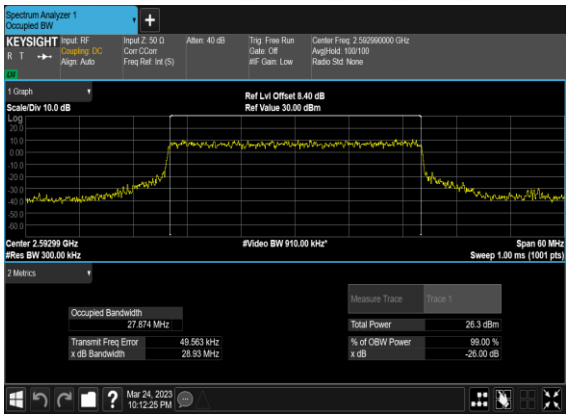
N41(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



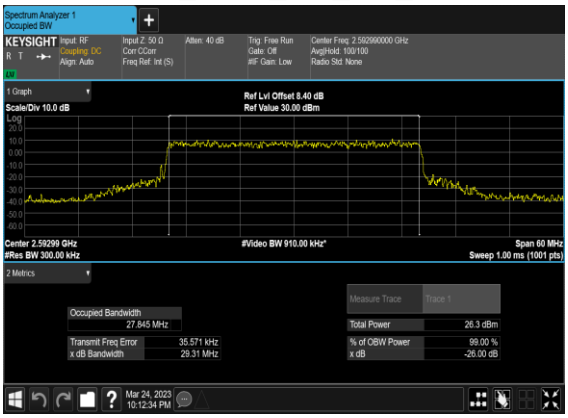
N41(30M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



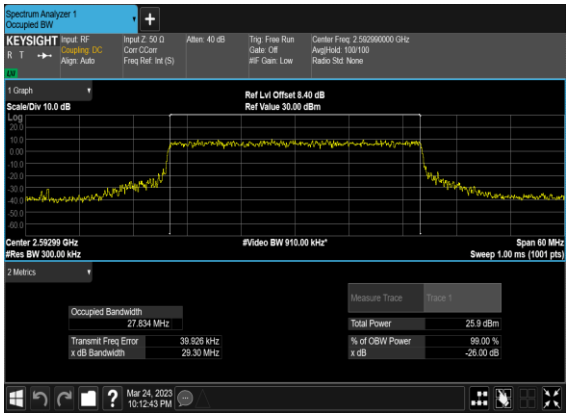
N41(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



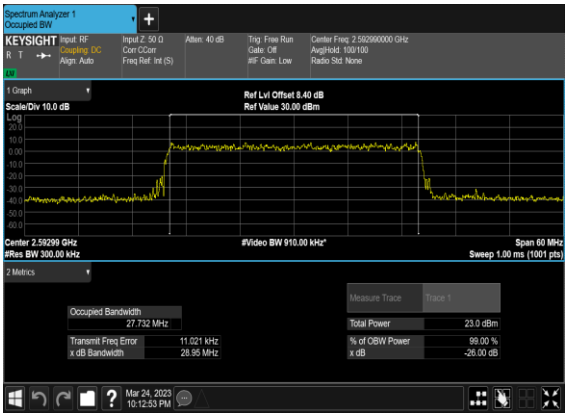
N41(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



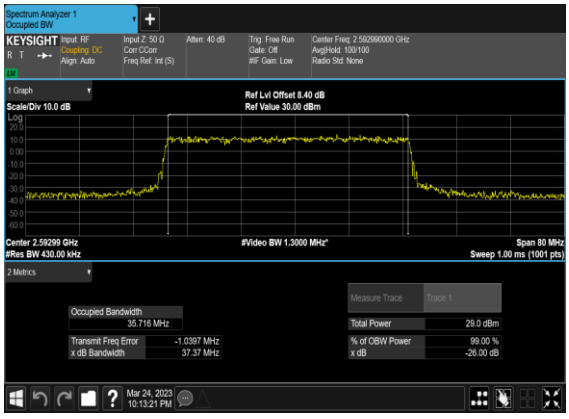
N41(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N41(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

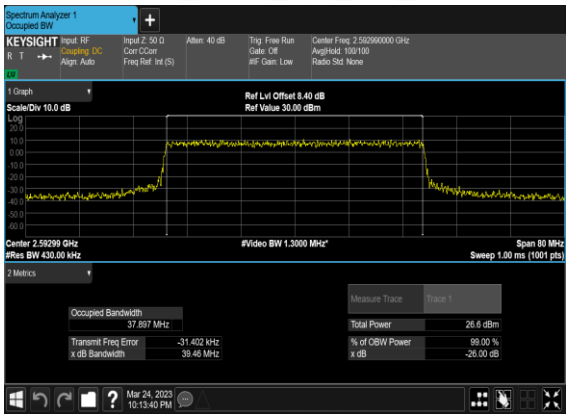


N41(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

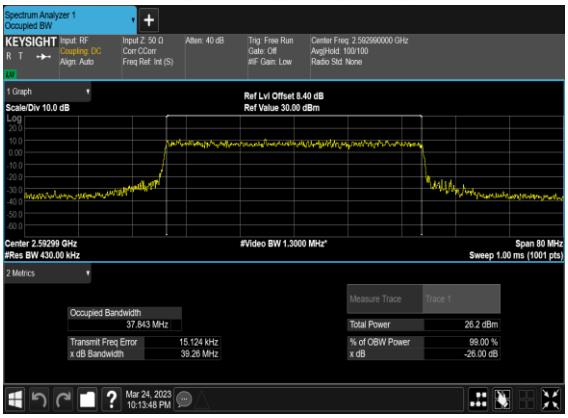


N41(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

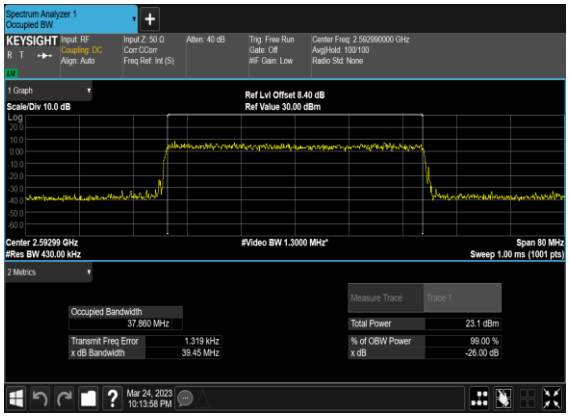
N41(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



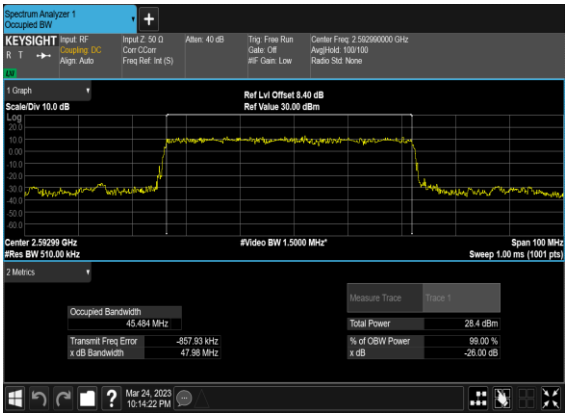
N41(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



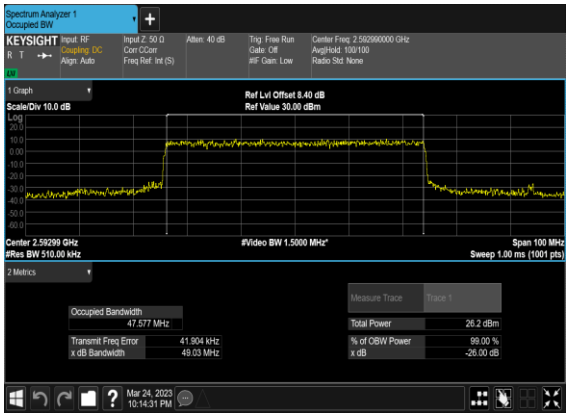
N41(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N41(50M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N41(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N41(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH