



FCC RF Test Report

APPLICANT : Quectel Wireless Solutions Co., Ltd.
EQUIPMENT : 5G NR Module
BRAND NAME : QUECTEL
MODEL NAME : AG555Q-GL
FCC ID : XMR2024AG555QGL
STANDARD : 47 CFR Part 2, 22(H), 24(E), 27(L)
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Feb. 01, 2024 ~ Apr. 16, 2024

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



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TABLE OF CONTENTS

REVISION HISTORY	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Applicant	5
1.2 Manufacturer	5
1.3 Product Feature of Equipment Under Test	5
1.4 Product Specification of Equipment Under Test	5
1.5 Modification of EUT	6
1.6 Maximum Conducted Power and Emission Designator	6
1.7 Testing Location	8
1.8 Test Software	8
1.9 Applicable Standards	8
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST	9
2.1 Test Mode	9
2.2 Connection Diagram of Test System	11
2.3 Support Unit used in test configuration and system	11
2.4 Measurement Results Explanation Example	12
2.5 Frequency List of Low/Middle/High Channels	12
3 CONDUCTED TEST ITEMS	15
3.1 Measuring Instruments	15
3.2 Test Setup	15
3.3 Test Result of Conducted Test	15
3.4 Conducted Output Power and ERP/EIRP	16
3.5 Peak-to-Average Ratio	17
3.6 Occupied Bandwidth	18
3.7 Conducted Band Edge	19
3.8 Conducted Spurious Emission	21
3.9 Frequency Stability	22
4 RADIATED TEST ITEMS	23
4.1 Measuring Instruments	23
4.2 Test Setup	23
4.3 Test Result of Radiated Test	24
4.4 Radiated Spurious Emission	25
5 LIST OF MEASURING EQUIPMENT	26
6 MEASUREMENT UNCERTAINTY	27
APPENDIX A. TEST RESULTS OF CONDUCTED TEST	
APPENDIX B. TEST RESULTS OF RADIATED TEST	
APPENDIX C. TEST SETUP PHOTOGRAPHS	



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG3D1801J	Rev. 01	Initial issue of report	Jun. 06, 2024



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		
	§24.232(c)	Equivalent Isotropic Radiated Power (5G NR n2, n25)	EIRP < 2Watt		
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (5G NR n66)	EIRP < 1Watt		
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 §22.917(a) §24.238(a) §27.53(h)	Conducted Band Edge Measurement (5G NR n5, n26) (5G NR n2, n25) (5G NR n66)	< 43+10log10(P[Watts])	PASS	-
3.8	§2.1051 §22.917(a) §24.238(a) §27.53(h)	Conducted Spurious Emission (5G NR n5, n26) (5G NR n2, n25) (5G NR n66)	< 43+10log10(P[Watts])	PASS	-
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§24.235 §27.54		Within Authorized Band		
4.4	§2.1053 §22.917(a) §24.238(a) §27.53(h)	Radiated Spurious Emission (5G NR n5, n26) (5G NR n2, n25) (5G NR n66)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 22.06 dB at 3435.00 MHz

Conformity Assessment Condition:

- 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/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
- 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

Quectel Wireless Solutions Co., Ltd.

Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, 200233, China

1.2 Manufacturer

Quectel Wireless Solutions Co., Ltd.

Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, 200233, China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	5G NR Module
Brand Name	QUECTEL
Model Name	AG555Q-GL
FCC ID	XMR2024AG555QGL
IMEI Code	Conducted : 868637060025178 Radiation : 868637060025087
HW Version	R1.0
SW Version	BYA555QGLABR01A01M8G_OCPU
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 : 824 MHz ~ 849 MHz 5G NR n66 : 1710 MHz ~ 1780 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 : 869 MHz ~ 894 MHz 5G NR n66 : 2110 MHz~ 2200 MHz
Bandwidth	n2, n5, n26: 5MHz / 10MHz / 15MHz / 20MHz n25: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 40MHz n66: 5MHz / 10MHz / 15MHz / 20MHz / 40MHz
SCS	15kHz
Antenna Gain	n2: 0.25 dBi n5: 2.68 dBi n25: 0.25 dBi

	n26: 2.87 dBi n66: 1.47 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. All the supported ENDC combinations are verified conducted power, only the ENDC combination with highest power are shown in the report.
2. 5G NR support SA (n2/n5/n25/n26/n66) mode and NSA((n2/n5/n25/n66) mode. According to the maximum power between SA and NSA mode, SA covers NSA mode.
3. 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 Conducted Power and Emission Designator

5G NR n2		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Emission Designator (99%OBW)	Maximum Conducted power (W)	Emission Designator (99%OBW)
5	1852.5 ~ 1907.5	0.2183	4M46G7D	0.1807	4M48W7D
10	1855.0 ~ 1905.0	0.2218	9M28G7D	0.1770	9M28W7D
15	1857.5 ~ 1902.5	0.2291	14M1G7D	0.1807	14M1W7D
20	1860.0 ~ 1900.0	0.2301	18M9G7D	0.1811	18M9W7D

5G NR n25		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Emission Designator (99%OBW)	Maximum Conducted power (W)	Emission Designator (99%OBW)
5	1852.5 ~ 1912.5	0.2618	4M46G7D	0.2046	4M48W7D
10	1855.0 ~ 1910.0	0.2606	9M28G7D	0.2018	9M28W7D
15	1857.5 ~ 1907.5	0.2655	14M1G7D	0.2075	14M1W7D
20	1860.0 ~ 1905.0	0.2685	18M9G7D	0.2133	18M9W7D
25	1862.5 ~ 1902.5	0.2636	23M7G7D	0.2178	23M8W7D
30	1865.0 ~ 1900.0	0.2636	28M5G7D	0.2218	28M5W7D
40	1870.0 ~ 1895.0	0.2698	38M4G7D	0.2296	38M5W7D



5G NR n5		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Emission Designator (99%OBW)	Maximum Conducted power (W)	Emission Designator (99%OBW)
5	826.5 ~ 846.5	0.2188	4M47G7D	0.1694	4M47W7D
10	829.0 ~ 844.0	0.2143	9M25G7D	0.1679	9M29W7D
15	831.5 ~ 841.5	0.2168	14M1G7D	0.1746	14M1W7D
20	834.0 ~ 839.0	0.2188	18M9G7D	0.1722	18M9W7D

5G NR n26		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Emission Designator (99%OBW)	Maximum Conducted power (W)	Emission Designator (99%OBW)
5	826.5 ~ 846.5	0.2158	4M47G7D	0.1738	4M47W7D
10	829.0 ~ 844.0	0.2183	9M25G7D	0.1762	9M29W7D
15	831.5 ~ 841.5	0.2183	14M1G7D	0.1702	14M1W7D
20	834.0 ~ 839.0	0.2188	18M9G7D	0.1714	18M9W7D

5G NR n66		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Emission Designator (99%OBW)	Maximum Conducted power (W)	Emission Designator (99%OBW)
5	1712.5 ~ 1777.5	0.2089	4M46G7D	0.1644	4M48W7D
10	1715.0 ~ 1775.0	0.2051	9M26G7D	0.1663	9M28W7D
15	1717.5 ~ 1772.5	0.2109	14M1G7D	0.1637	14M1W7D
20	1720.0 ~ 1770.0	0.2070	18M9G7D	0.1679	18M9W7D
40	1730.0 ~ 1760.0	0.2203	38M5G7D	0.1714	38M5W7D

Note:

- 5G NR n26 overlaps the entire frequency range of 5G NR n5. Therefore, the test results provided in this report covers 5G NR n5 and the portion of 5G NR n26 subject to Part 22.
- 5G NR n25 overlaps the entire frequency range of 5G NR n2. Therefore, the test results provided in this report covers 5G NR n25 as well as 5G NR n2.
- 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. (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

1.8 Test Software

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

1.9 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(H), 24(E), 27(L)
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

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



2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X/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.

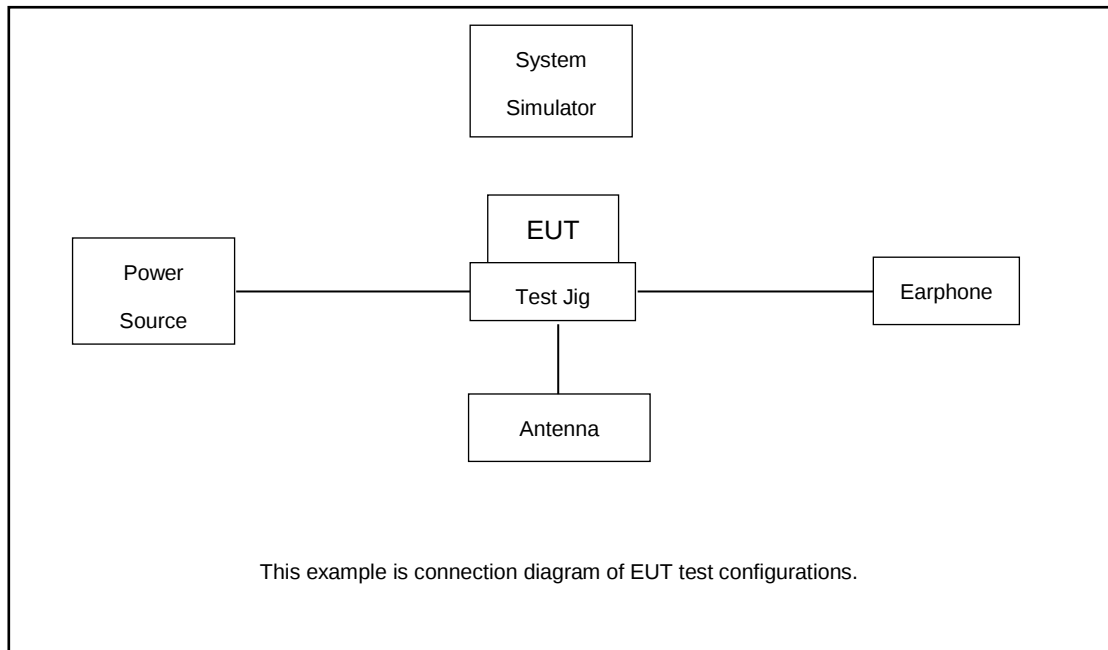
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane

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	
	n5	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	v	v	v	
	n26	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	v	
Peak-to-Average Ratio	n25				v				-	-	-	-	-	-	v	v				v	v		v		
	n26				v	-	-	-	-	-	-	-	-	-	v	v				v	v		v		
	n66				v	-	-		-	-	-	-	-	-	v	v				v	v		v		
26dB and 99% Bandwidth	n25	v	v	v	v	v	v	v	-	-	-	-	-	-		v	v	v	v		v		v		
	n26	v	v	v	v	-	-	-	-	-	-	-	-	-		v	v	v	v		v		v		
	n66	v	v	v	v	-	-	v	-	-	-	-	-	-		v	v	v	v		v		v		
Conducted Band Edge	n25	v			v			v	-	-	-	-	-	-	v	v				v	v	v		v	
	n26	v	v		v	-	-	-	-	-	-	-	-	-	v	v				v	v	v		v	
	n66	v			v	-	-	v	-	-	-	-	-	-	v	v				v	v	v		v	
Conducted Spurious Emission	n25	v			v			v	-	-	-	-	-	-	v	v				v		v	v	v	
	n26	v	v		v	-	-	-	-	-	-	-	-	-	v	v				v		v	v	v	
	n66	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	n25				v				-	-	-	-	-	-		v					v		v		
	n26				v	-	-	-	-	-	-	-	-	-		v					v		v		
	n66				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	
	n5	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	v	v	v	
	n26	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	v	
Radiated Spurious Emission	n25	Worst Case																				v	v	v	
	n26	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 = 3.80V ; Low Voltage =3.30V. ; High Voltage =4.30V																								

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
4.	Test jig	N/A	N/A	N/A	N/A	N/A
5.	Antenna	N/A	N/A	N/A	N/A	N/A
6.	Adapter	N/A	N/A	N/A	N/A	N/A
7.	Earphone	N/A	N/A	N/A	N/A	N/A

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 5.6 dB and 20dB attenuator.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 5.6 + 20 = 25.6 \text{ (dB)} \end{aligned}$$

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
40	Channel	390000	392500	395000
	Frequency	1870	1882.5	1895
30	Channel	389000	392500	396000
	Frequency	1865	1882.5	1900
25	Channel	388500	392500	396500
	Frequency	1862.5	1882.5	1902.5
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 n66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	346000	349000	352000
	Frequency	1730	1745	1760
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 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 7 Watts for 5G NR n5, n26.

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

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

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100kHz 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.

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ 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 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ 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.

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 $\geq$ 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 $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)} = -13\text{dBm}.$$

9. When using the integration method, the starting frequency of the integration shall be centered at one-half of the RBW away from the band edge.

3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

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

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

3.8.2 Test Procedures

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

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 $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) 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 $20\pm 5^{\circ}\text{C}$ 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.

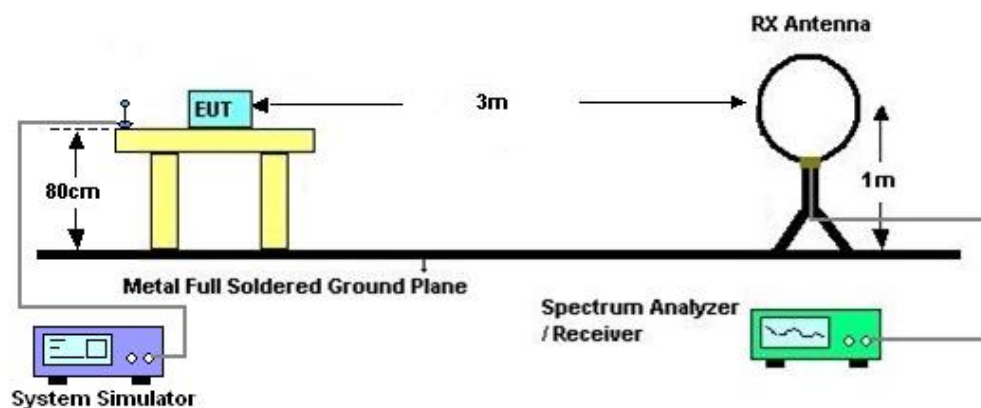
4 Radiated Test Items

4.1 Measuring Instruments

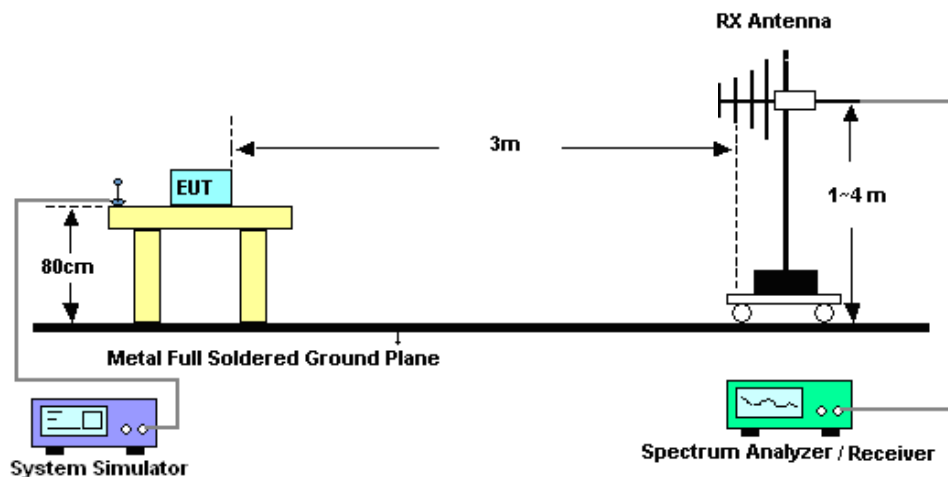
See list of measuring instruments of this test report.

4.2 Test Setup

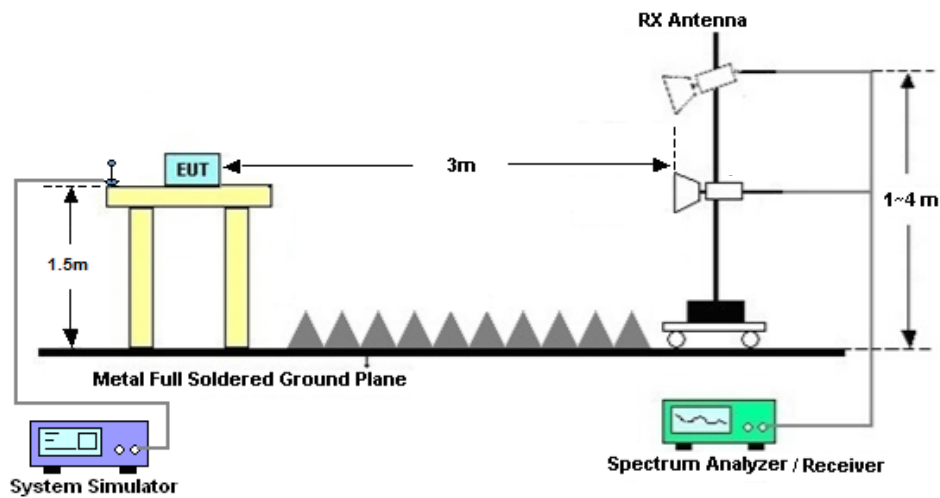
4.2.1 For radiated test below 30MHz



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. $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11. $ERP \text{ (dBm)} = EIRP - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

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

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$

$$= -13\text{dBm}.$$



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. 10, 2023	Feb. 01, 2024~ Apr. 16, 2024	Oct. 09, 2024	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Feb. 01, 2024~ Apr. 16, 2024	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 06, 2023	Feb. 01, 2024~ Apr. 16, 2024	Jul. 05, 2024	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY57471079	10Hz-44G,MAX 30dB	Oct. 10, 2023	Mar. 10, 2024	Oct. 09, 2024	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Sep. 11, 2023	Mar. 10, 2024	Sep. 10, 2024	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	Apr. 09, 2023	Mar. 10, 2024	Apr. 08, 2024	Radiation (03CH04-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00251694	1GHz~18GHz	Jul. 12, 2023	Mar. 10, 2024	Jul. 11, 2024	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 05, 2024	Mar. 10, 2024	Jan. 04, 2025	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	380827	9KHz-1GHz	Jul. 06, 2023	Mar. 10, 2024	Jul. 05, 2024	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40G GA	060728	18~40GHz	Jan. 05, 2024	Mar. 10, 2024	Jan. 04, 2025	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18G A	060840	1Ghz-18Ghz	Oct. 10, 2023	Mar. 10, 2024	Oct. 09, 2024	Radiation (03CH04-KS)
Amplifier	Agilent	8449B	3008A02370	1Ghz-18Ghz	Oct. 10, 2023	Mar. 10, 2024	Oct. 09, 2024	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Mar. 10, 2024	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Mar. 10, 2024	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Mar. 10, 2024	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 Spurious Emission & Bandedge	±2.26 dB
Occupied Channel Bandwidth	±0.1%
Conducted Power	±0.46 dB
Peak to Average Ratio	±0.46 dB
Frequency Stability	±0.4 Hz

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.82dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.56dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

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



Appendix A. Test Results of Conducted Test

Test Engineer :	Smile Wang	Temperature :	22~23°C
		Relative Humidity :	40~42%

FR1 N2

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)= 0.25dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
2	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	50@25	23.62	23.87	0.2438
2	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	1@1	23.34	23.59	0.2286
2	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	1@104	23.29	23.54	0.2259
2	15	20	372000	1860	DFT-s-OFDM QPSK	50@25	23.49	23.74	0.2366
2	15	20	372000	1860	DFT-s-OFDM QPSK	1@1	23.27	23.52	0.2249
2	15	20	372000	1860	DFT-s-OFDM QPSK	1@104	23.49	23.74	0.2366
2	15	20	372000	1860	DFT-s-OFDM 16 QAM	50@25	22.46	22.71	0.1866
2	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@1	22.31	22.56	0.1803
2	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@104	22.53	22.78	0.1897
2	15	20	372000	1860	DFT-s-OFDM 64 QAM	50@25	20.83	21.08	0.1282
2	15	20	372000	1860	DFT-s-OFDM 64 QAM	1@1	20.74	20.99	0.1256
2	15	20	372000	1860	DFT-s-OFDM 64 QAM	1@104	21.04	21.29	0.1346
2	15	20	372000	1860	DFT-s-OFDM 256 QAM	50@25	18.89	19.14	0.0820
2	15	20	372000	1860	DFT-s-OFDM 256 QAM	1@1	19.03	19.28	0.0847
2	15	20	372000	1860	DFT-s-OFDM 256 QAM	1@104	18.87	19.12	0.0817
2	15	20	372000	1860	CP-OFDM QPSK	53@26	21.87	22.12	0.1629
2	15	20	372000	1860	CP-OFDM QPSK	1@1	21.98	22.23	0.1671
2	15	20	372000	1860	CP-OFDM QPSK	1@104	21.89	22.14	0.1637
2	15	20	376000	1880	DFT-s-OFDM PI/2 BPSK	50@25	23.43	23.68	0.2333
2	15	20	376000	1880	DFT-s-OFDM PI/2 BPSK	1@1	23.37	23.62	0.2301
2	15	20	376000	1880	DFT-s-OFDM PI/2 BPSK	1@104	23.46	23.71	0.2350
2	15	20	376000	1880	DFT-s-OFDM QPSK	50@25	23.52	23.77	0.2382
2	15	20	376000	1880	DFT-s-OFDM QPSK	1@1	23.38	23.63	0.2307
2	15	20	376000	1880	DFT-s-OFDM QPSK	1@104	23.48	23.73	0.2360
2	15	20	376000	1880	DFT-s-OFDM 16 QAM	50@25	22.52	22.77	0.1892
2	15	20	376000	1880	DFT-s-OFDM 16 QAM	1@1	22.26	22.51	0.1782
2	15	20	376000	1880	DFT-s-OFDM 16 QAM	1@104	22.54	22.79	0.1901
2	15	20	376000	1880	DFT-s-OFDM 64 QAM	50@25	21.02	21.27	0.1340
2	15	20	376000	1880	DFT-s-OFDM 64 QAM	1@1	20.96	21.21	0.1321
2	15	20	376000	1880	DFT-s-OFDM 64 QAM	1@104	21.07	21.32	0.1355
2	15	20	376000	1880	DFT-s-OFDM 256 QAM	50@25	18.97	19.22	0.0836
2	15	20	376000	1880	DFT-s-OFDM 256 QAM	1@1	18.8	19.05	0.0804
2	15	20	376000	1880	DFT-s-OFDM 256 QAM	1@104	19.1	19.35	0.0861
2	15	20	376000	1880	CP-OFDM QPSK	53@26	22.03	22.28	0.1690
2	15	20	376000	1880	CP-OFDM QPSK	1@1	21.86	22.11	0.1626
2	15	20	376000	1880	CP-OFDM QPSK	1@104	21.95	22.2	0.1660
2	15	20	380000	1900	DFT-s-OFDM PI/2 BPSK	50@25	23.48	23.73	0.2360
2	15	20	380000	1900	DFT-s-OFDM PI/2 BPSK	1@1	23.49	23.74	0.2366
2	15	20	380000	1900	DFT-s-OFDM PI/2 BPSK	1@104	23.44	23.69	0.2339
2	15	20	380000	1900	DFT-s-OFDM QPSK	50@25	23.46	23.71	0.2350

2	15	20	380000	1900	DFT-s-OFDM QPSK	1@1	23.48	23.73	0.2360
2	15	20	380000	1900	DFT-s-OFDM QPSK	1@104	23.46	23.71	0.2350
2	15	20	380000	1900	DFT-s-OFDM 16 QAM	50@25	22.5	22.75	0.1884
2	15	20	380000	1900	DFT-s-OFDM 16 QAM	1@1	22.58	22.83	0.1919
2	15	20	380000	1900	DFT-s-OFDM 16 QAM	1@104	22.51	22.76	0.1888
2	15	20	380000	1900	DFT-s-OFDM 64 QAM	50@25	20.98	21.23	0.1327
2	15	20	380000	1900	DFT-s-OFDM 64 QAM	1@1	21.04	21.29	0.1346
2	15	20	380000	1900	DFT-s-OFDM 64 QAM	1@104	20.95	21.2	0.1318
2	15	20	380000	1900	DFT-s-OFDM 256 QAM	50@25	19	19.25	0.0841
2	15	20	380000	1900	DFT-s-OFDM 256 QAM	1@1	18.99	19.24	0.0839
2	15	20	380000	1900	DFT-s-OFDM 256 QAM	1@104	19.01	19.26	0.0843
2	15	20	380000	1900	CP-OFDM QPSK	53@26	21.97	22.22	0.1667
2	15	20	380000	1900	CP-OFDM QPSK	1@1	22.05	22.3	0.1698
2	15	20	380000	1900	CP-OFDM QPSK	1@104	21.81	22.06	0.1607
2	15	5	370500	1852.5	DFT-s-OFDM PI/2 BPSK	1@1	23.31	23.56	0.2270
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@1	23.36	23.61	0.2296
2	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	1@1	22.31	22.56	0.1803
2	15	5	376000	1880	DFT-s-OFDM PI/2 BPSK	1@1	23.29	23.54	0.2259
2	15	5	376000	1880	DFT-s-OFDM QPSK	1@1	23.39	23.64	0.2312
2	15	5	376000	1880	DFT-s-OFDM 16 QAM	1@1	22.57	22.82	0.1914
2	15	5	381500	1907.5	DFT-s-OFDM PI/2 BPSK	1@1	23.32	23.57	0.2275
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	1@1	23.28	23.53	0.2254
2	15	5	381500	1907.5	DFT-s-OFDM 16 QAM	1@1	22.43	22.68	0.1854
2	15	10	371000	1855	DFT-s-OFDM PI/2 BPSK	1@1	23.38	23.63	0.2307
2	15	10	371000	1855	DFT-s-OFDM QPSK	1@1	23.25	23.5	0.2239
2	15	10	371000	1855	DFT-s-OFDM 16 QAM	1@1	22.32	22.57	0.1807
2	15	10	376000	1880	DFT-s-OFDM PI/2 BPSK	1@1	23.36	23.61	0.2296
2	15	10	376000	1880	DFT-s-OFDM QPSK	1@1	23.39	23.64	0.2312
2	15	10	376000	1880	DFT-s-OFDM 16 QAM	1@1	22.37	22.62	0.1828
2	15	10	381000	1905	DFT-s-OFDM PI/2 BPSK	1@1	23.43	23.68	0.2333
2	15	10	381000	1905	DFT-s-OFDM QPSK	1@1	23.46	23.71	0.2350
2	15	10	381000	1905	DFT-s-OFDM 16 QAM	1@1	22.48	22.73	0.1875
2	15	15	371500	1857.5	DFT-s-OFDM PI/2 BPSK	1@1	23.46	23.71	0.2350
2	15	15	371500	1857.5	DFT-s-OFDM QPSK	1@1	23.48	23.73	0.2360
2	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	1@1	22.57	22.82	0.1914
2	15	15	376000	1880	DFT-s-OFDM PI/2 BPSK	1@1	23.54	23.79	0.2393
2	15	15	376000	1880	DFT-s-OFDM QPSK	1@1	23.6	23.85	0.2427
2	15	15	376000	1880	DFT-s-OFDM 16 QAM	1@1	22.51	22.76	0.1888
2	15	15	380500	1902.5	DFT-s-OFDM PI/2 BPSK	1@1	23.49	23.74	0.2366
2	15	15	380500	1902.5	DFT-s-OFDM QPSK	1@1	23.5	23.75	0.2371
2	15	15	380500	1902.5	DFT-s-OFDM 16 QAM	1@1	22.45	22.7	0.1862

FR1 N5

Transmitter Conducted Output Power And ERP, ($G_T - L_C$)=2.68dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	50@25	23.31	23.84	0.2421
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@1	23.18	23.71	0.2350
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@104	23.17	23.7	0.2344
5	15	20	166800	834	DFT-s-OFDM QPSK	50@25	23.29	23.82	0.2410
5	15	20	166800	834	DFT-s-OFDM QPSK	1@1	23.14	23.67	0.2328
5	15	20	166800	834	DFT-s-OFDM QPSK	1@104	23.31	23.84	0.2421
5	15	20	166800	834	DFT-s-OFDM 16 QAM	50@25	22.33	22.86	0.1932
5	15	20	166800	834	DFT-s-OFDM 16 QAM	1@1	22.16	22.69	0.1858
5	15	20	166800	834	DFT-s-OFDM 16 QAM	1@104	22.21	22.74	0.1879
5	15	20	166800	834	DFT-s-OFDM 64 QAM	50@25	20.76	21.29	0.1346
5	15	20	166800	834	DFT-s-OFDM 64 QAM	1@1	20.67	21.2	0.1318
5	15	20	166800	834	DFT-s-OFDM 64 QAM	1@104	20.56	21.09	0.1285
5	15	20	166800	834	DFT-s-OFDM 256 QAM	50@25	18.78	19.31	0.0853
5	15	20	166800	834	DFT-s-OFDM 256 QAM	1@1	18.68	19.21	0.0834
5	15	20	166800	834	DFT-s-OFDM 256 QAM	1@104	18.6	19.13	0.0818
5	15	20	166800	834	CP-OFDM QPSK	53@26	21.76	22.29	0.1694
5	15	20	166800	834	CP-OFDM QPSK	1@1	21.64	22.17	0.1648
5	15	20	166800	834	CP-OFDM QPSK	1@104	21.56	22.09	0.1618
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	50@25	23.37	23.9	0.2455
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	23.17	23.7	0.2344
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@104	23.19	23.72	0.2355
5	15	20	167300	836.5	DFT-s-OFDM QPSK	50@25	23.3	23.83	0.2415
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@1	23.08	23.61	0.2296
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@104	23.4	23.93	0.2472
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	50@25	22.36	22.89	0.1945
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.22	22.75	0.1884
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@104	22.21	22.74	0.1879
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	50@25	20.78	21.31	0.1352
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@1	20.89	21.42	0.1387
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@104	20.6	21.13	0.1297
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	50@25	18.59	19.12	0.0817
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@1	18.69	19.22	0.0836
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@104	18.73	19.26	0.0843
5	15	20	167300	836.5	CP-OFDM QPSK	53@26	21.74	22.27	0.1687
5	15	20	167300	836.5	CP-OFDM QPSK	1@1	21.77	22.3	0.1698
5	15	20	167300	836.5	CP-OFDM QPSK	1@104	21.73	22.26	0.1683
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	50@25	23.23	23.76	0.2377
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@1	23.19	23.72	0.2355
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@104	23.2	23.73	0.2360
5	15	20	167800	839	DFT-s-OFDM QPSK	50@25	23.26	23.79	0.2393

5	15	20	167800	839	DFT-s-OFDM QPSK	1@1	23.22	23.75	0.2371
5	15	20	167800	839	DFT-s-OFDM QPSK	1@104	23.22	23.75	0.2371
5	15	20	167800	839	DFT-s-OFDM 16 QAM	50@25	22.24	22.77	0.1892
5	15	20	167800	839	DFT-s-OFDM 16 QAM	1@1	22.22	22.75	0.1884
5	15	20	167800	839	DFT-s-OFDM 16 QAM	1@104	22.18	22.71	0.1866
5	15	20	167800	839	DFT-s-OFDM 64 QAM	50@25	20.76	21.29	0.1346
5	15	20	167800	839	DFT-s-OFDM 64 QAM	1@1	20.72	21.25	0.1334
5	15	20	167800	839	DFT-s-OFDM 64 QAM	1@104	20.75	21.28	0.1343
5	15	20	167800	839	DFT-s-OFDM 256 QAM	50@25	18.73	19.26	0.0843
5	15	20	167800	839	DFT-s-OFDM 256 QAM	1@1	18.56	19.09	0.0811
5	15	20	167800	839	DFT-s-OFDM 256 QAM	1@104	18.58	19.11	0.0815
5	15	20	167800	839	CP-OFDM QPSK	53@26	21.73	22.26	0.1683
5	15	20	167800	839	CP-OFDM QPSK	1@1	21.6	22.13	0.1633
5	15	20	167800	839	CP-OFDM QPSK	1@104	21.75	22.28	0.1690
5	15	5	165300	826.5	DFT-s-OFDM PI/2 BPSK	1@1	23.22	23.75	0.2371
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@1	23.1	23.63	0.2307
5	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@1	22.14	22.67	0.1849
5	15	5	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	23.25	23.78	0.2388
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@1	23.4	23.93	0.2472
5	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.29	22.82	0.1914
5	15	5	169300	846.5	DFT-s-OFDM PI/2 BPSK	1@1	23.22	23.75	0.2371
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@1	23.28	23.81	0.2404
5	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@1	22.16	22.69	0.1858
5	15	10	165800	829	DFT-s-OFDM PI/2 BPSK	1@1	23.11	23.64	0.2312
5	15	10	165800	829	DFT-s-OFDM QPSK	1@1	23.06	23.59	0.2286
5	15	10	165800	829	DFT-s-OFDM 16 QAM	1@1	22.14	22.67	0.1849
5	15	10	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	23.18	23.71	0.2350
5	15	10	167300	836.5	DFT-s-OFDM QPSK	1@1	23.31	23.84	0.2421
5	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.25	22.78	0.1897
5	15	10	168800	844	DFT-s-OFDM PI/2 BPSK	1@1	23.17	23.7	0.2344
5	15	10	168800	844	DFT-s-OFDM QPSK	1@1	23.09	23.62	0.2301
5	15	10	168800	844	DFT-s-OFDM 16 QAM	1@1	22.17	22.7	0.1862
5	15	15	166300	831.5	DFT-s-OFDM PI/2 BPSK	1@1	23.3	23.83	0.2415
5	15	15	166300	831.5	DFT-s-OFDM QPSK	1@1	23.21	23.74	0.2366
5	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@1	22.23	22.76	0.1888
5	15	15	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	23.34	23.87	0.2438
5	15	15	167300	836.5	DFT-s-OFDM QPSK	1@1	23.3	23.83	0.2415
5	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.42	22.95	0.1972
5	15	15	168300	841.5	DFT-s-OFDM PI/2 BPSK	1@1	23.36	23.89	0.2449
5	15	15	168300	841.5	DFT-s-OFDM QPSK	1@1	23.35	23.88	0.2443
5	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@1	22.26	22.79	0.1901

FR1 N25

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)= 0.25dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
25	15	40	374000	1870	DFT-s-OFDM PI/2 BPSK	108@54	23.26	23.51	0.2244
25	15	40	374000	1870	DFT-s-OFDM PI/2 BPSK	1@1	24.16	24.41	0.2761
25	15	40	374000	1870	DFT-s-OFDM PI/2 BPSK	1@214	24.19	24.44	0.2780
25	15	40	374000	1870	DFT-s-OFDM QPSK	108@54	24.17	24.42	0.2767
25	15	40	374000	1870	DFT-s-OFDM QPSK	1@1	24.19	24.44	0.2780
25	15	40	374000	1870	DFT-s-OFDM QPSK	1@214	24.11	24.36	0.2729
25	15	40	374000	1870	DFT-s-OFDM 16 QAM	108@54	23.21	23.46	0.2218
25	15	40	374000	1870	DFT-s-OFDM 16 QAM	1@1	23.21	23.46	0.2218
25	15	40	374000	1870	DFT-s-OFDM 16 QAM	1@214	23.39	23.64	0.2312
25	15	40	374000	1870	DFT-s-OFDM 64 QAM	108@54	21.65	21.9	0.1549
25	15	40	374000	1870	DFT-s-OFDM 64 QAM	1@1	21.95	22.2	0.1660
25	15	40	374000	1870	DFT-s-OFDM 64 QAM	1@214	22.02	22.27	0.1687
25	15	40	374000	1870	DFT-s-OFDM 256 QAM	108@54	19.68	19.93	0.0984
25	15	40	374000	1870	DFT-s-OFDM 256 QAM	1@1	19.99	20.24	0.1057
25	15	40	374000	1870	DFT-s-OFDM 256 QAM	1@214	19.96	20.21	0.1050
25	15	40	374000	1870	CP-OFDM QPSK	108@54	22.7	22.95	0.1972
25	15	40	374000	1870	CP-OFDM QPSK	1@1	22.79	23.04	0.2014
25	15	40	374000	1870	CP-OFDM QPSK	1@214	23.16	23.41	0.2193
25	15	40	376500	1882.5	DFT-s-OFDM PI/2 BPSK	108@54	23.24	23.49	0.2234
25	15	40	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	24.2	24.45	0.2786
25	15	40	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@214	24.18	24.43	0.2773
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	108@54	24.09	24.34	0.2716
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	1@1	24.02	24.27	0.2673
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	1@214	24.31	24.56	0.2858
25	15	40	376500	1882.5	DFT-s-OFDM 16 QAM	108@54	23.21	23.46	0.2218
25	15	40	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.19	23.44	0.2208
25	15	40	376500	1882.5	DFT-s-OFDM 16 QAM	1@214	23.61	23.86	0.2432
25	15	40	376500	1882.5	DFT-s-OFDM 64 QAM	108@54	21.66	21.91	0.1552
25	15	40	376500	1882.5	DFT-s-OFDM 64 QAM	1@1	21.78	22.03	0.1596
25	15	40	376500	1882.5	DFT-s-OFDM 64 QAM	1@214	21.78	22.03	0.1596
25	15	40	376500	1882.5	DFT-s-OFDM 256 QAM	108@54	19.68	19.93	0.0984
25	15	40	376500	1882.5	DFT-s-OFDM 256 QAM	1@1	19.63	19.88	0.0973
25	15	40	376500	1882.5	DFT-s-OFDM 256 QAM	1@214	20.02	20.27	0.1064
25	15	40	376500	1882.5	CP-OFDM QPSK	108@54	22.68	22.93	0.1963
25	15	40	376500	1882.5	CP-OFDM QPSK	1@1	22.8	23.05	0.2018
25	15	40	376500	1882.5	CP-OFDM QPSK	1@214	23.02	23.27	0.2123
25	15	40	379000	1895	DFT-s-OFDM PI/2 BPSK	108@54	23.83	24.08	0.2559
25	15	40	379000	1895	DFT-s-OFDM PI/2 BPSK	1@1	24.25	24.5	0.2818
25	15	40	379000	1895	DFT-s-OFDM PI/2 BPSK	1@214	24.2	24.45	0.2786
25	15	40	379000	1895	DFT-s-OFDM QPSK	108@54	24.12	24.37	0.2735

25	15	40	379000	1895	DFT-s-OFDM QPSK	1@1	24.13	24.38	0.2742
25	15	40	379000	1895	DFT-s-OFDM QPSK	1@214	24.18	24.43	0.2773
25	15	40	379000	1895	DFT-s-OFDM 16 QAM	108@54	23.23	23.48	0.2228
25	15	40	379000	1895	DFT-s-OFDM 16 QAM	1@1	23.04	23.29	0.2133
25	15	40	379000	1895	DFT-s-OFDM 16 QAM	1@214	23.45	23.7	0.2344
25	15	40	379000	1895	DFT-s-OFDM 64 QAM	108@54	21.68	21.93	0.1560
25	15	40	379000	1895	DFT-s-OFDM 64 QAM	1@1	21.78	22.03	0.1596
25	15	40	379000	1895	DFT-s-OFDM 64 QAM	1@214	22.04	22.29	0.1694
25	15	40	379000	1895	DFT-s-OFDM 256 QAM	108@54	19.35	19.6	0.0912
25	15	40	379000	1895	DFT-s-OFDM 256 QAM	1@1	19.82	20.07	0.1016
25	15	40	379000	1895	DFT-s-OFDM 256 QAM	1@214	19.97	20.22	0.1052
25	15	40	379000	1895	CP-OFDM QPSK	108@54	22.62	22.87	0.1936
25	15	40	379000	1895	CP-OFDM QPSK	1@1	22.78	23.03	0.2009
25	15	40	379000	1895	CP-OFDM QPSK	1@214	22.91	23.16	0.2070
25	15	5	370500	1852.5	DFT-s-OFDM PI/2 BPSK	1@1	24.04	24.29	0.2685
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@1	24.18	24.43	0.2773
25	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	1@1	23.04	23.29	0.2133
25	15	5	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	24.03	24.28	0.2679
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	1@1	24.05	24.3	0.2692
25	15	5	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.11	23.36	0.2168
25	15	5	382500	1912.5	DFT-s-OFDM PI/2 BPSK	1@1	24	24.25	0.2661
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@1	24.01	24.26	0.2667
25	15	5	382500	1912.5	DFT-s-OFDM 16 QAM	1@1	23.04	23.29	0.2133
25	15	10	371000	1855	DFT-s-OFDM PI/2 BPSK	1@1	24.09	24.34	0.2716
25	15	10	371000	1855	DFT-s-OFDM QPSK	1@1	24.16	24.41	0.2761
25	15	10	371000	1855	DFT-s-OFDM 16 QAM	1@1	23.02	23.27	0.2123
25	15	10	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	23.97	24.22	0.2642
25	15	10	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.86	24.11	0.2576
25	15	10	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.05	23.3	0.2138
25	15	10	382000	1910	DFT-s-OFDM PI/2 BPSK	1@1	24.11	24.36	0.2729
25	15	10	382000	1910	DFT-s-OFDM QPSK	1@1	24.1	24.35	0.2723
25	15	10	382000	1910	DFT-s-OFDM 16 QAM	1@1	23.05	23.3	0.2138
25	15	15	371500	1857.5	DFT-s-OFDM PI/2 BPSK	1@1	24.24	24.49	0.2812
25	15	15	371500	1857.5	DFT-s-OFDM QPSK	1@1	24.15	24.4	0.2754
25	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	1@1	23.14	23.39	0.2183
25	15	15	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	24.21	24.46	0.2793
25	15	15	376500	1882.5	DFT-s-OFDM QPSK	1@1	24.07	24.32	0.2704
25	15	15	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.17	23.42	0.2198
25	15	15	381500	1907.5	DFT-s-OFDM PI/2 BPSK	1@1	24.03	24.28	0.2679
25	15	15	381500	1907.5	DFT-s-OFDM QPSK	1@1	24.2	24.45	0.2786
25	15	15	381500	1907.5	DFT-s-OFDM 16 QAM	1@1	23.06	23.31	0.2143
25	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	1@1	24.29	24.54	0.2844
25	15	20	372000	1860	DFT-s-OFDM QPSK	1@1	24.15	24.4	0.2754
25	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@1	23.29	23.54	0.2259
25	15	20	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	24.14	24.39	0.2748
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@1	24.15	24.4	0.2754
25	15	20	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.04	23.29	0.2133
25	15	20	381000	1905	DFT-s-OFDM PI/2 BPSK	1@1	24.07	24.32	0.2704

25	15	20	381000	1905	DFT-s-OFDM QPSK	1@1	24.09	24.34	0.2716
25	15	20	381000	1905	DFT-s-OFDM 16 QAM	1@1	23.13	23.38	0.2178
25	15	25	372500	1862.5	DFT-s-OFDM PI/2 BPSK	1@1	24.18	24.43	0.2773
25	15	25	372500	1862.5	DFT-s-OFDM QPSK	1@1	24.15	24.4	0.2754
25	15	25	372500	1862.5	DFT-s-OFDM 16 QAM	1@1	23.38	23.63	0.2307
25	15	25	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	24.21	24.46	0.2793
25	15	25	376500	1882.5	DFT-s-OFDM QPSK	1@1	24.17	24.42	0.2767
25	15	25	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.36	23.61	0.2296
25	15	25	380500	1902.5	DFT-s-OFDM PI/2 BPSK	1@1	24.19	24.44	0.2780
25	15	25	380500	1902.5	DFT-s-OFDM QPSK	1@1	24.11	24.36	0.2729
25	15	25	380500	1902.5	DFT-s-OFDM 16 QAM	1@1	23.32	23.57	0.2275
25	15	30	373000	1865	DFT-s-OFDM PI/2 BPSK	1@1	24.21	24.46	0.2793
25	15	30	373000	1865	DFT-s-OFDM QPSK	1@1	24.18	24.43	0.2773
25	15	30	373000	1865	DFT-s-OFDM 16 QAM	1@1	23.26	23.51	0.2244
25	15	30	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	24.14	24.39	0.2748
25	15	30	376500	1882.5	DFT-s-OFDM QPSK	1@1	24.09	24.34	0.2716
25	15	30	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.28	23.53	0.2254
25	15	30	380000	1900	DFT-s-OFDM PI/2 BPSK	1@1	24.20	24.45	0.2786
25	15	30	380000	1900	DFT-s-OFDM QPSK	1@1	24.17	24.42	0.2767
25	15	30	380000	1900	DFT-s-OFDM 16 QAM	1@1	23.46	23.71	0.2350

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0042	PASS	NV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	-0.0028	PASS	LV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0035	PASS	HV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	-0.0022	PASS	-30°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0024	PASS	-20°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0055	PASS	-10°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	-0.0022	PASS	0°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	-0.0016	PASS	10°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0008	PASS	20°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0005	PASS	30°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	-0.0016	PASS	40°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	0.0019	PASS	50°C

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
25	15	20	376500	1882.5	DFT-s-OFDM PI/2 BPSK	100@0	3.89	13	PASS
25	15	20	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@0	4.4	13	PASS
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	4.49	13	PASS
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@0	3.8	13	PASS

N25(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



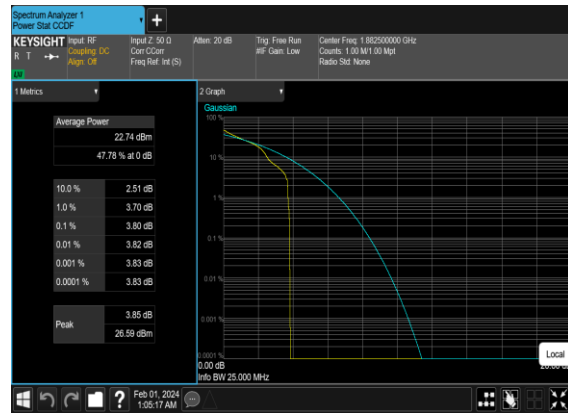
N25(20M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_Mid_CH



N25(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



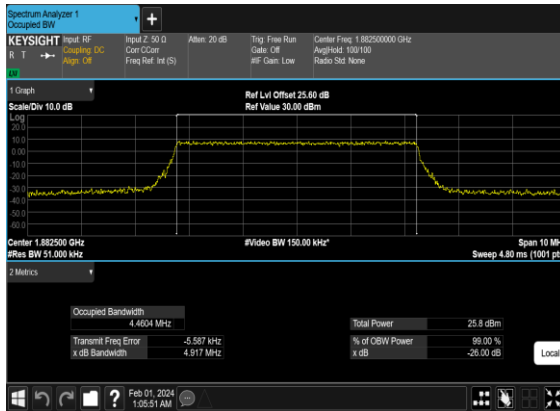
N25(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



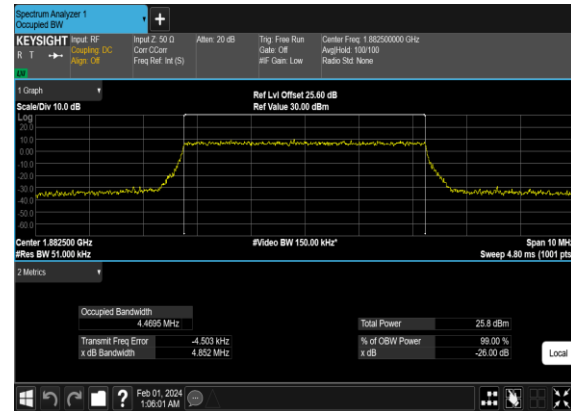
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
25	15	5	376500	1882.5	CP-OFDM QPSK	25@0	4.4604	4.917
25	15	5	376500	1882.5	CP-OFDM 16 QAM	25@0	4.4695	4.852
25	15	5	376500	1882.5	CP-OFDM 64 QAM	25@0	4.4674	4.878
25	15	5	376500	1882.5	CP-OFDM 256 QAM	25@0	4.4795	5.038
25	15	10	376500	1882.5	CP-OFDM QPSK	52@0	9.2824	9.828
25	15	10	376500	1882.5	CP-OFDM 16 QAM	52@0	9.2833	9.766
25	15	10	376500	1882.5	CP-OFDM 64 QAM	52@0	9.2758	9.828
25	15	10	376500	1882.5	CP-OFDM 256 QAM	52@0	9.2608	9.831
25	15	15	376500	1882.5	CP-OFDM QPSK	79@0	14.069	14.71
25	15	15	376500	1882.5	CP-OFDM 16 QAM	79@0	14.116	14.82
25	15	15	376500	1882.5	CP-OFDM 64 QAM	79@0	14.105	14.7
25	15	15	376500	1882.5	CP-OFDM 256 QAM	79@0	14.122	14.7
25	15	20	376500	1882.5	CP-OFDM QPSK	106@0	18.874	19.69
25	15	20	376500	1882.5	CP-OFDM 16 QAM	106@0	18.881	19.67
25	15	20	376500	1882.5	CP-OFDM 64 QAM	106@0	18.9	19.7
25	15	20	376500	1882.5	CP-OFDM 256 QAM	106@0	18.902	19.68
25	15	25	376500	1882.5	CP-OFDM QPSK	133@0	23.697	24.69
25	15	25	376500	1882.5	CP-OFDM 16 QAM	133@0	23.685	24.63
25	15	25	376500	1882.5	CP-OFDM 64 QAM	133@0	23.716	24.66
25	15	25	376500	1882.5	CP-OFDM 256 QAM	133@0	23.785	26.57
25	15	30	376500	1882.5	CP-OFDM QPSK	160@0	28.488	29.52
25	15	30	376500	1882.5	CP-OFDM 16 QAM	160@0	28.503	29.62
25	15	30	376500	1882.5	CP-OFDM 64 QAM	160@0	28.516	29.59
25	15	30	376500	1882.5	CP-OFDM 256 QAM	160@0	28.54	29.52
25	15	40	376500	1882.5	CP-OFDM QPSK	216@0	38.426	39.81
25	15	40	376500	1882.5	CP-OFDM 16 QAM	216@0	38.396	39.8
25	15	40	376500	1882.5	CP-OFDM 64 QAM	216@0	38.489	39.88
25	15	40	376500	1882.5	CP-OFDM 256 QAM	216@0	38.434	39.82

N25(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



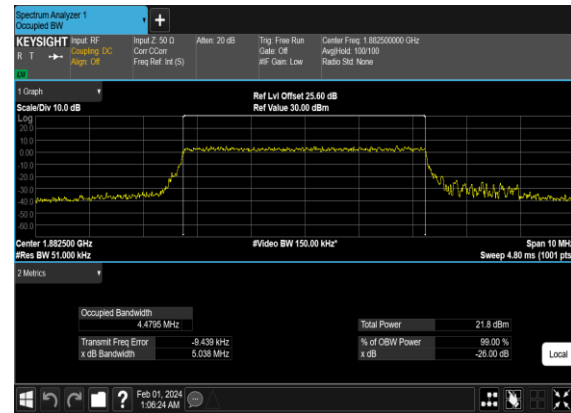
N25(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



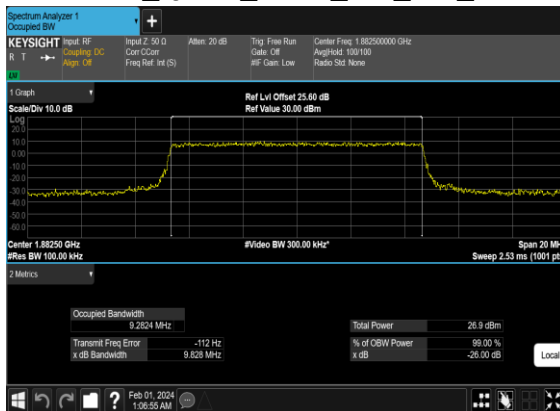
N25(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



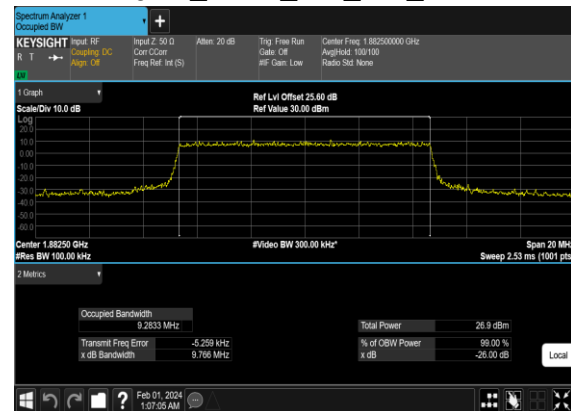
N25(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



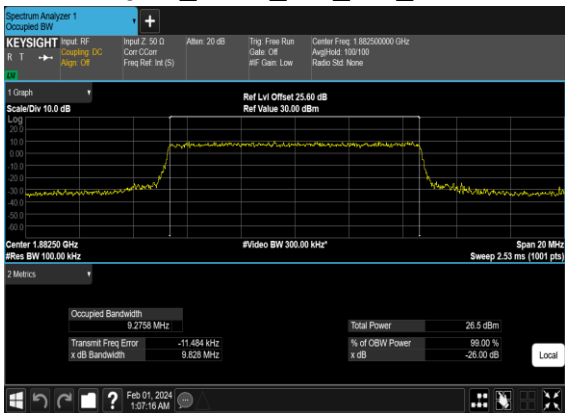
N25(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



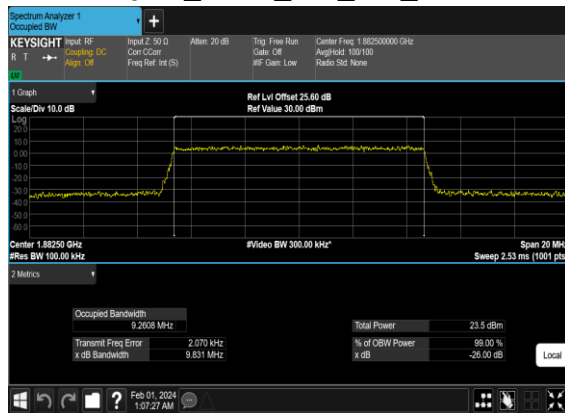
N25(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



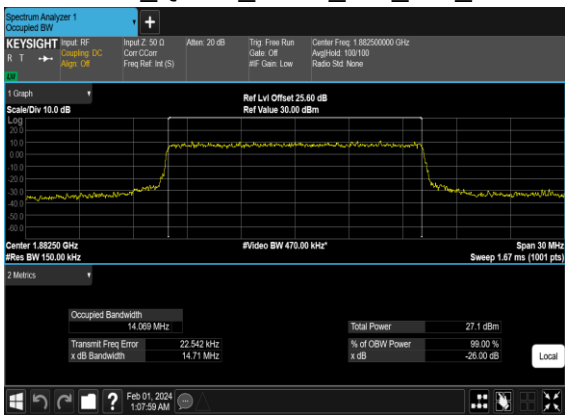
N25(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



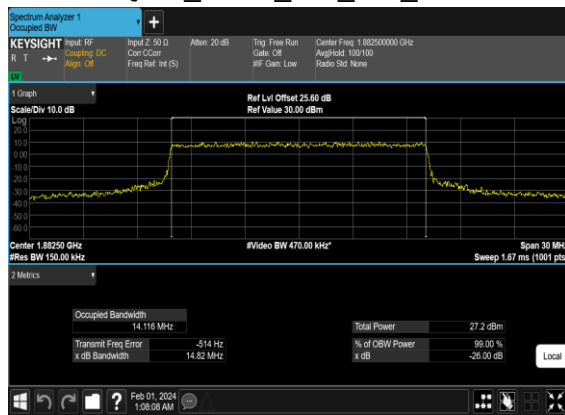
N25(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



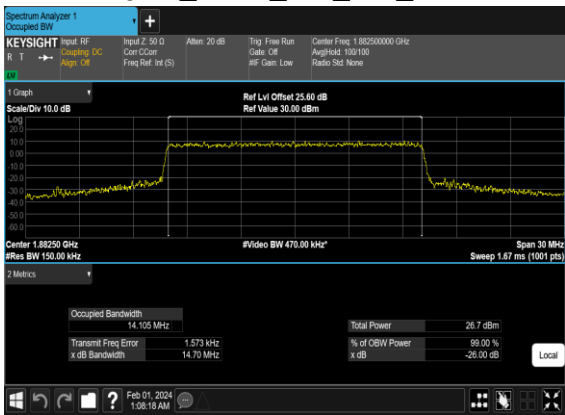
N25(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



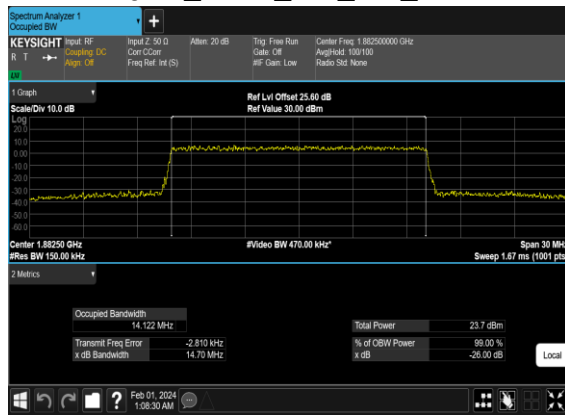
N25(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



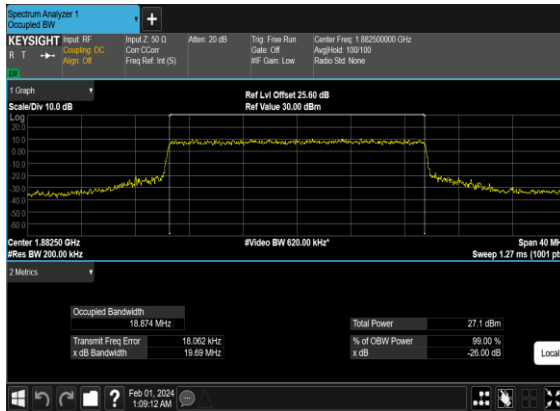
N25(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



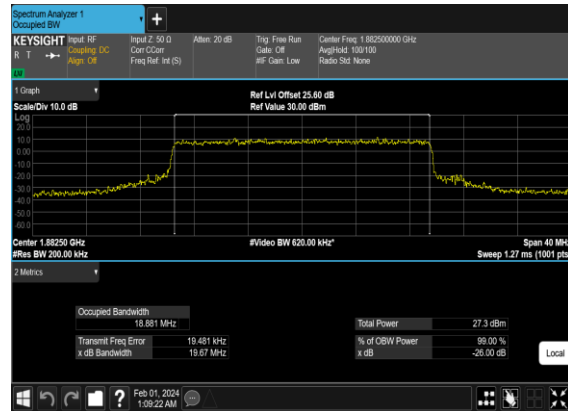
N25(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



N25(20M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



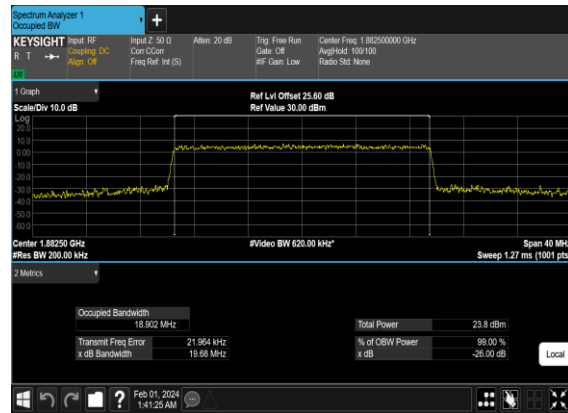
N25(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



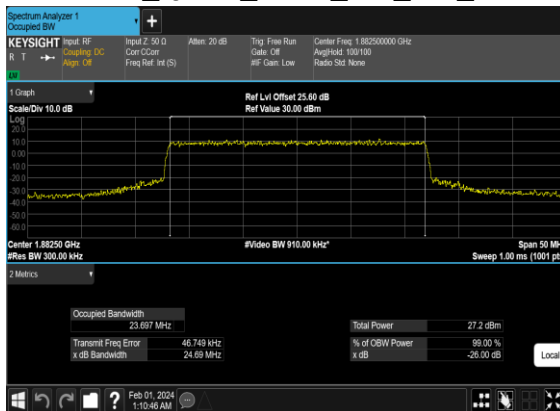
N25(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



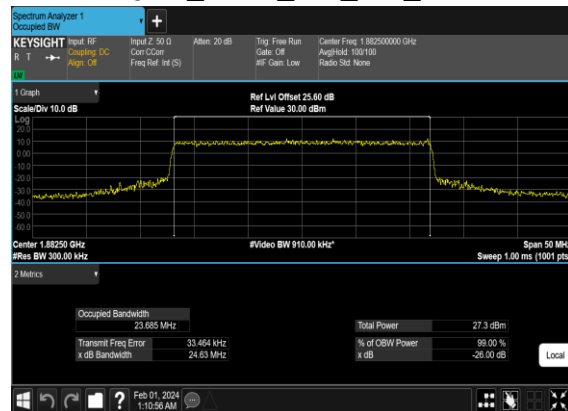
N25(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



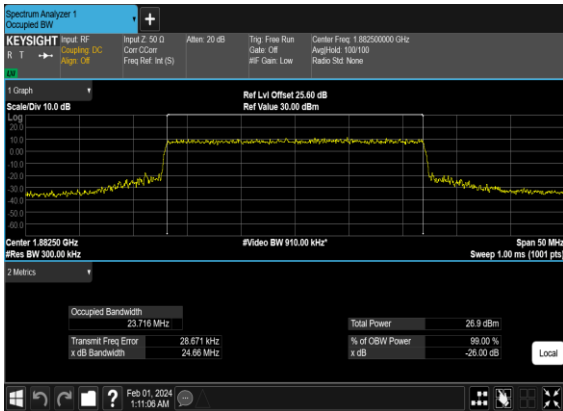
N25(25M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



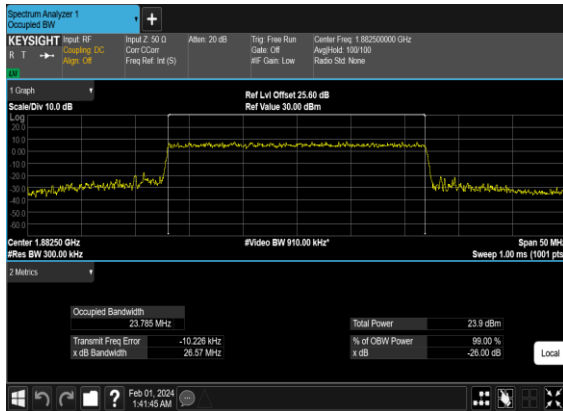
N25(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N25(25M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



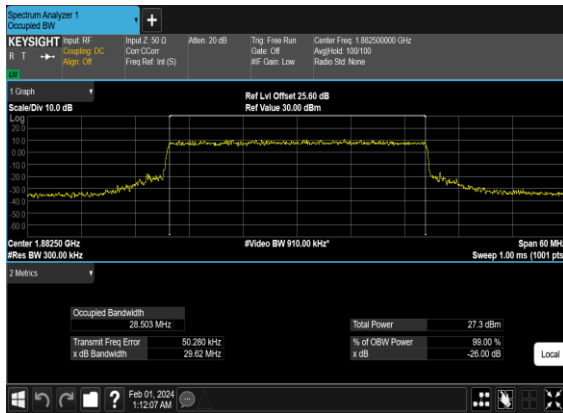
N25(25M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



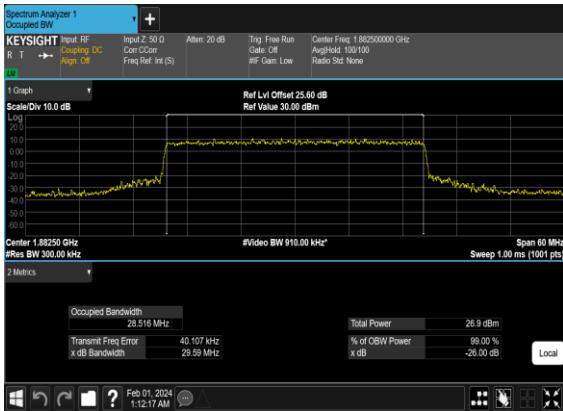
N25(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



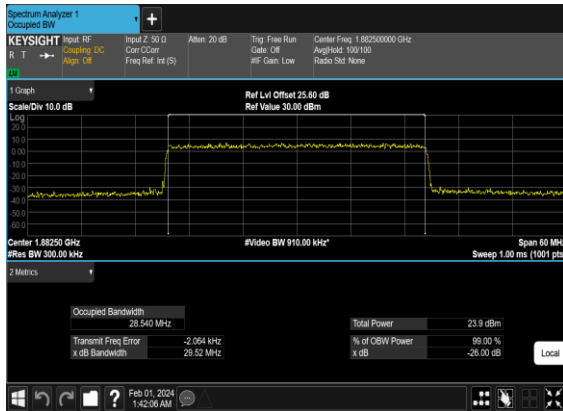
N25(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



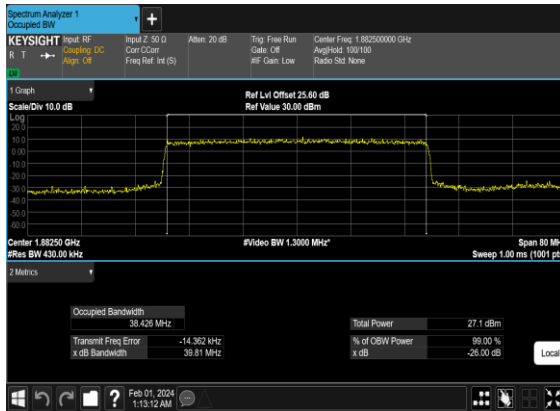
N25(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



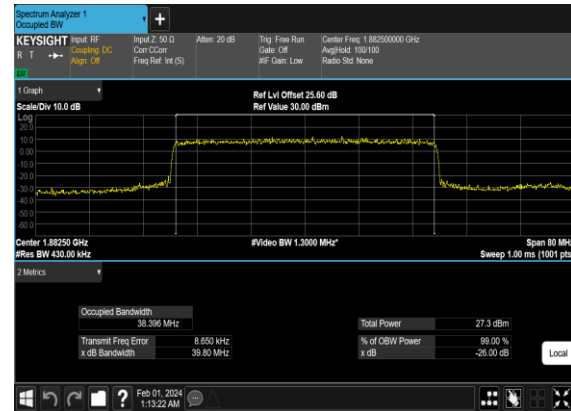
N25(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



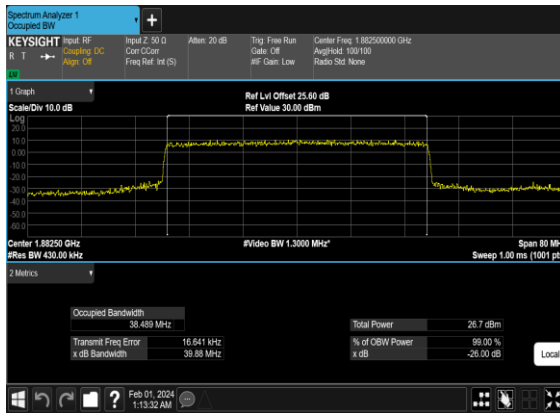
N25(40M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



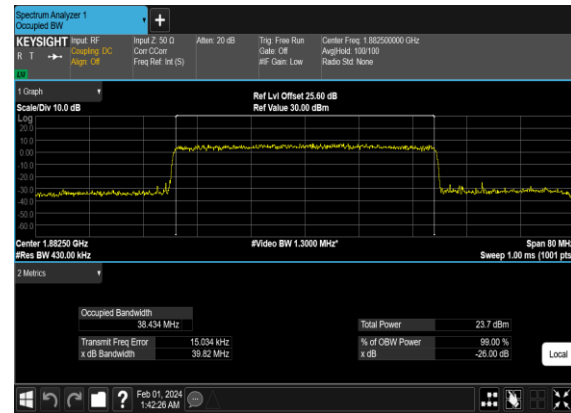
N25(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N25(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N25(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	5	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	5	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	5	382500	1912.5	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	5	382500	1912.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	20	372000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	20	372000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	20	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	20	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	20	381000	1905.0	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	20	381000	1905.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	40	374000	1870.0	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	40	374000	1870.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	40	374000	1870.0	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	40	374000	1870.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	40	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	40	376500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	40	379000	1895.0	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	40	379000	1895.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	40	379000	1895.0	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	40	379000	1895.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

N25(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



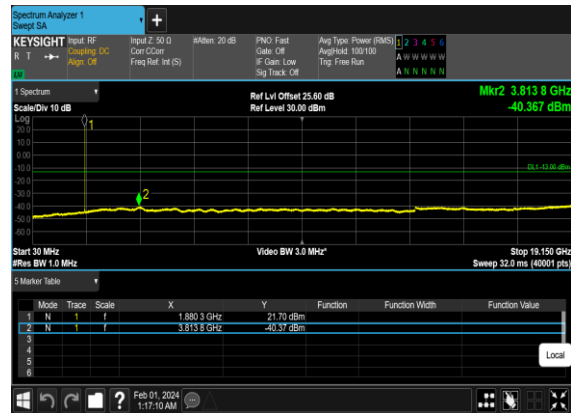
N25(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



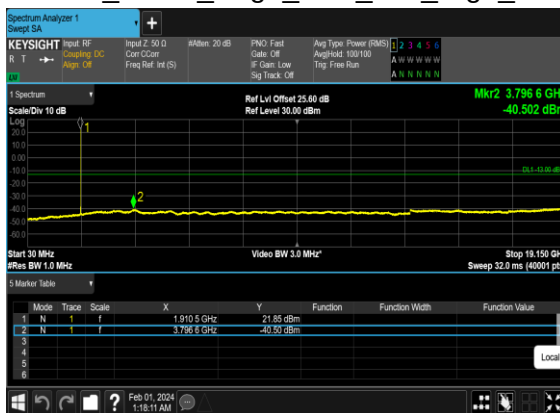
N25(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



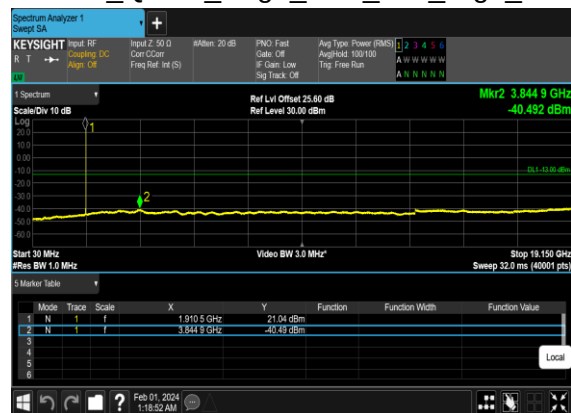
N25(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N25(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



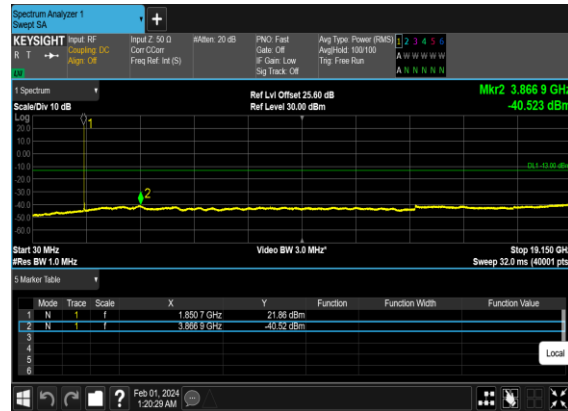
N25(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N25(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N25(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



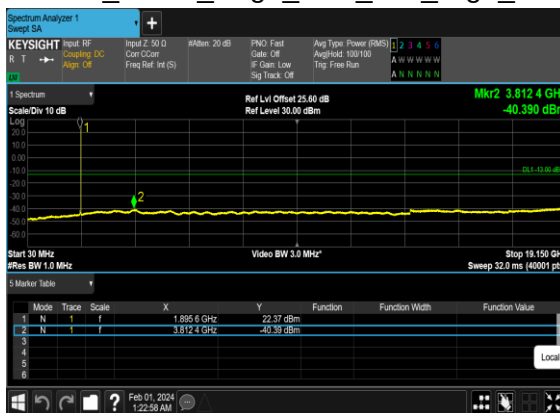
N25(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



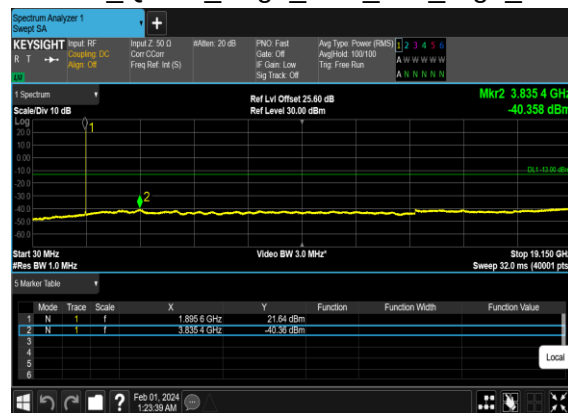
N25(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



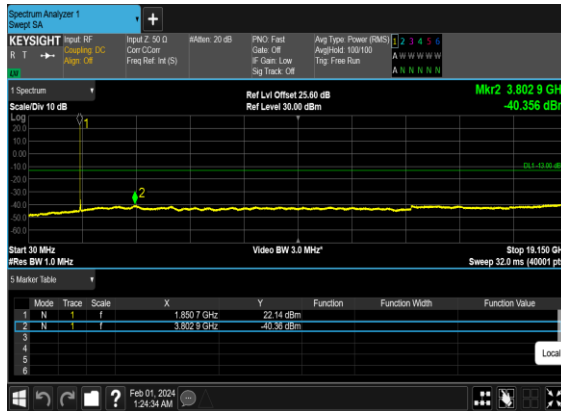
N25(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



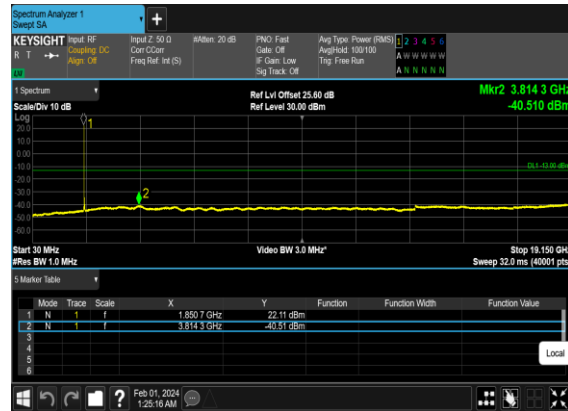
N25(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



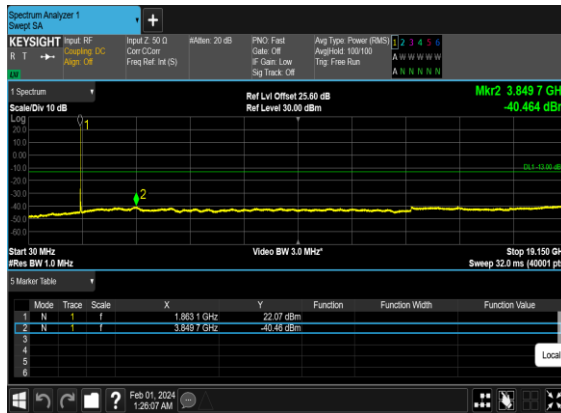
N25(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



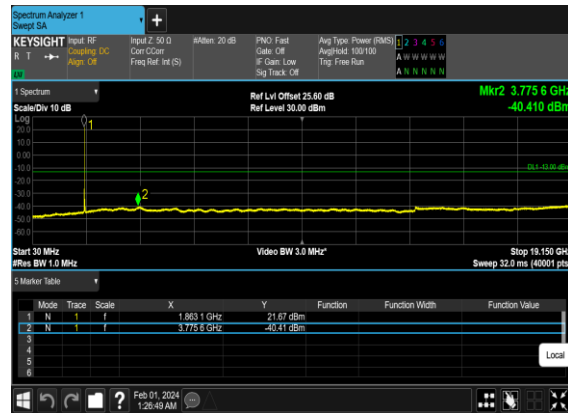
N25(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



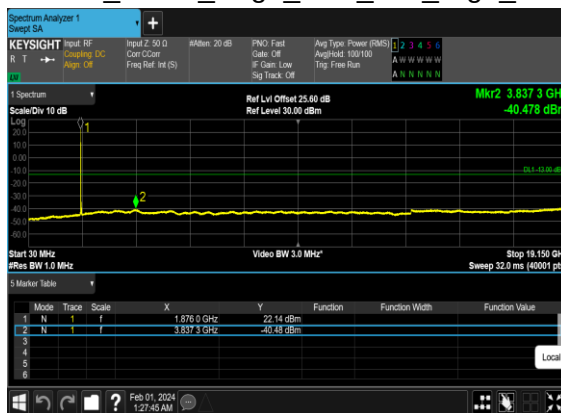
N25(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



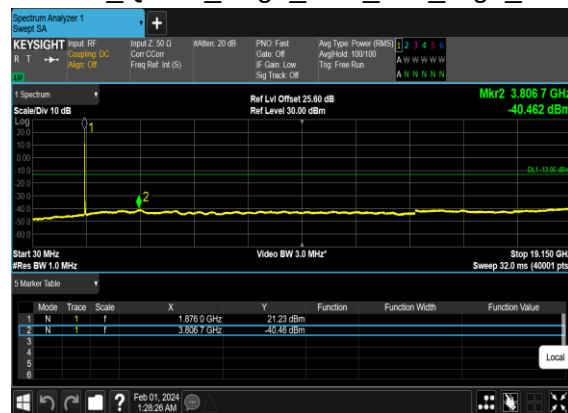
N25(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N25(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



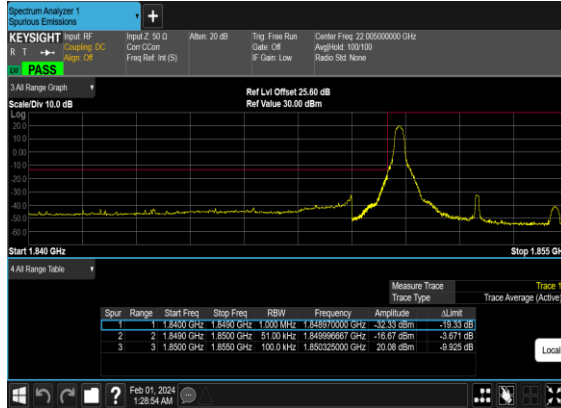
N25(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



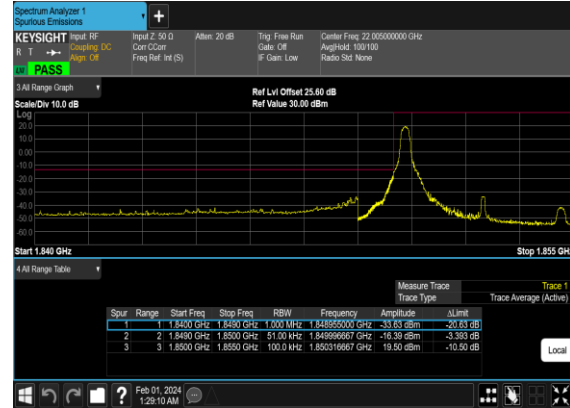
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
25	15	5	382500	1912.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
25	15	5	382500	1912.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
25	15	20	372000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	20	372000	1860.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
25	15	20	372000	1860.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
25	15	20	381000	1905.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
25	15	20	381000	1905.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
25	15	20	381000	1905.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
25	15	40	374000	1870.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	40	374000	1870.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	40	374000	1870.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
25	15	40	374000	1870.0	DFT-s-OFDM QPSK	216@0	see graph	PASS
25	15	40	379000	1895.0	DFT-s-OFDM BPSK	1@215	see graph	PASS
25	15	40	379000	1895.0	DFT-s-OFDM QPSK	1@215	see graph	PASS
25	15	40	379000	1895.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
25	15	40	379000	1895.0	DFT-s-OFDM QPSK	216@0	see graph	PASS

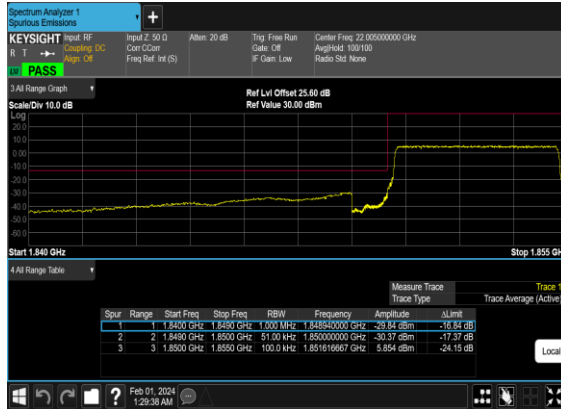
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OFDM_BPSK_Edge_1RB_Left_Low_CH



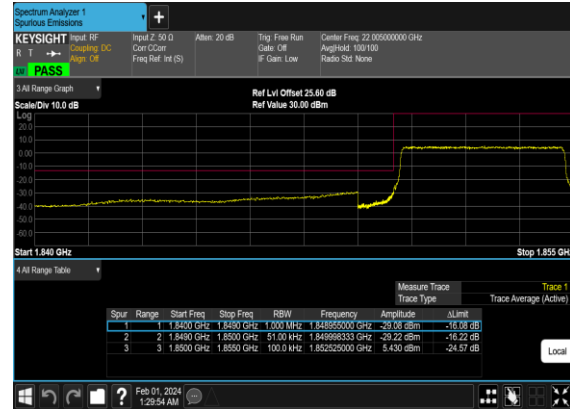
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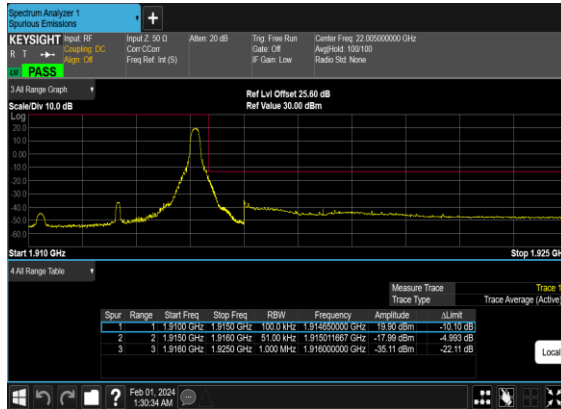
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OFDM_BPSK_Outer_Full_Low_CH



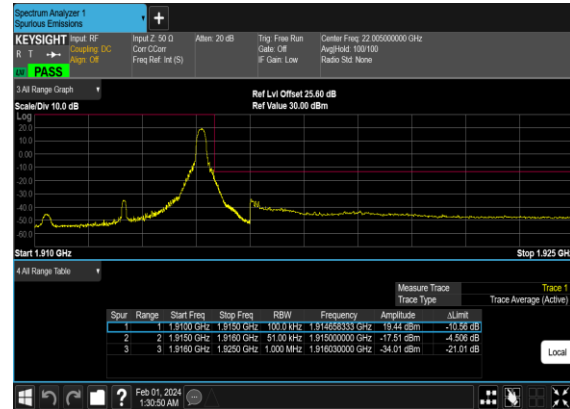
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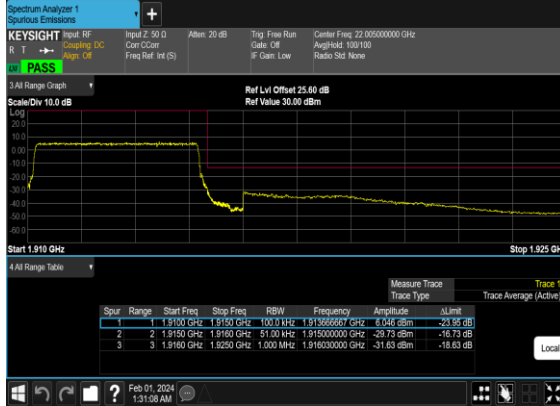
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OFDM_BPSK_Edge_1RB_Right_High_CH



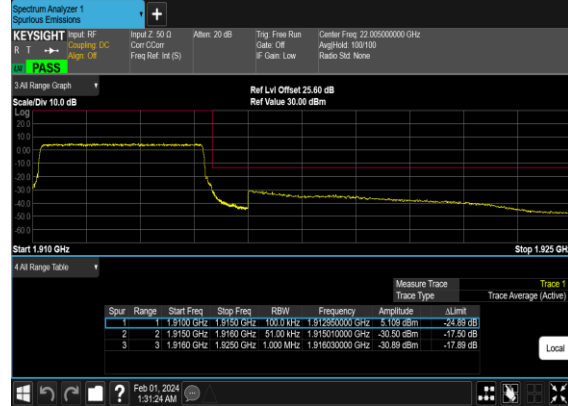
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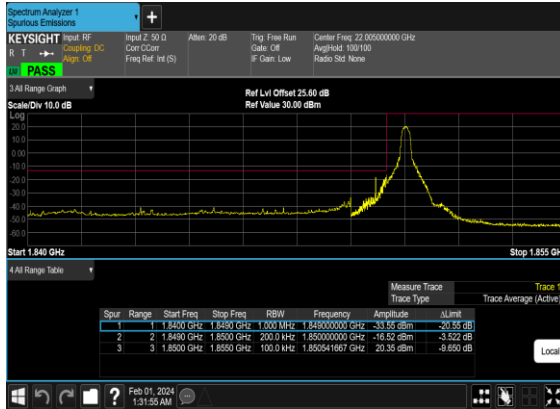
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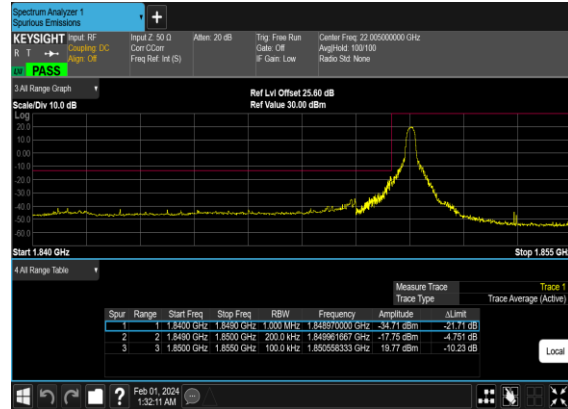
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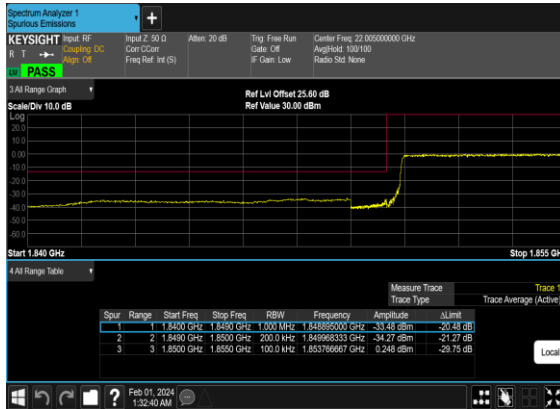
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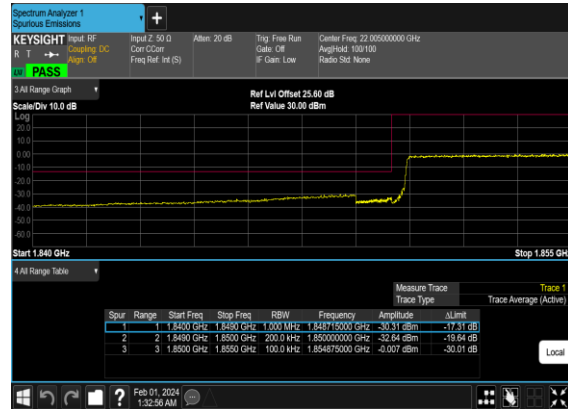
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OFDM_QPSK_Edge_1RB_Left_Low_CH



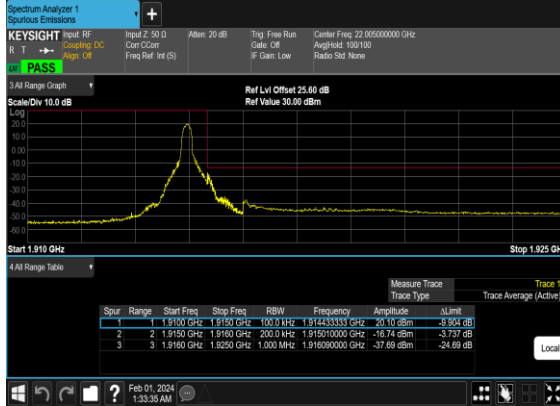
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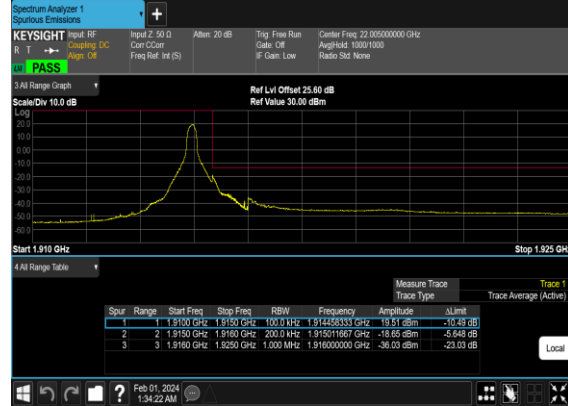
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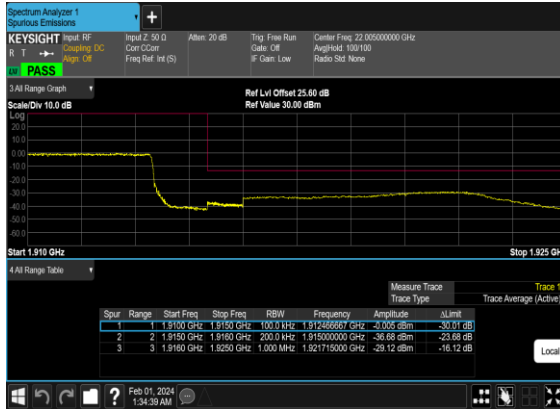
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OFDM_BPSK_Edge_1RB_Right_High_CH



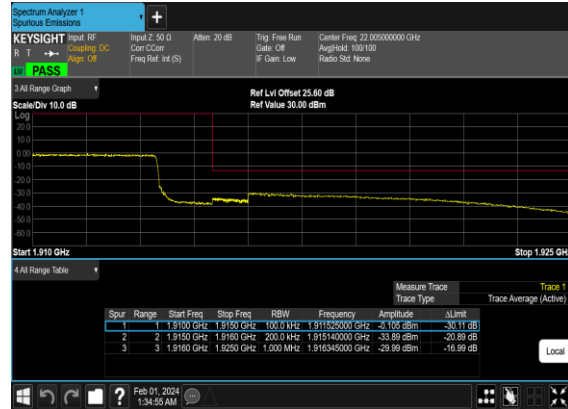
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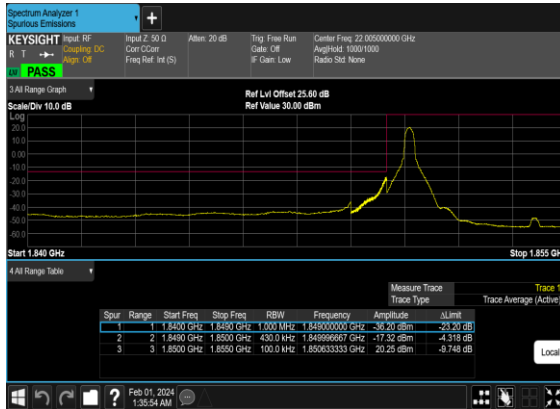
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OFDM_BPSK_Outer_Full_High_CH



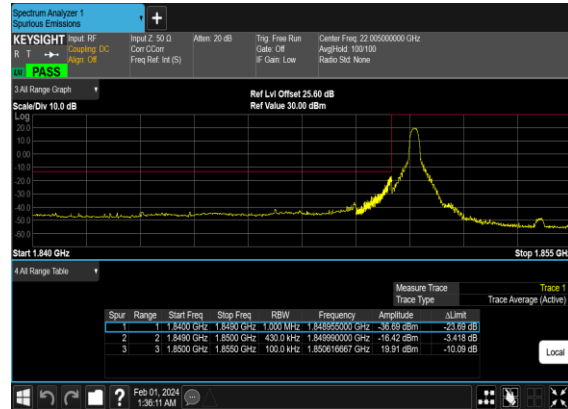
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OFDM_QPSK_Outer_Full_High_CH



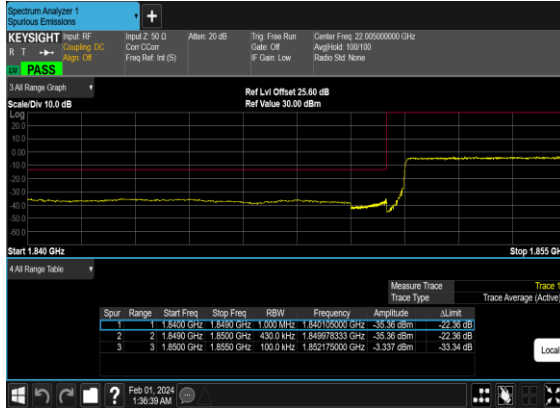
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OFDM_BPSK_Edge_1RB_Left_Low_CH



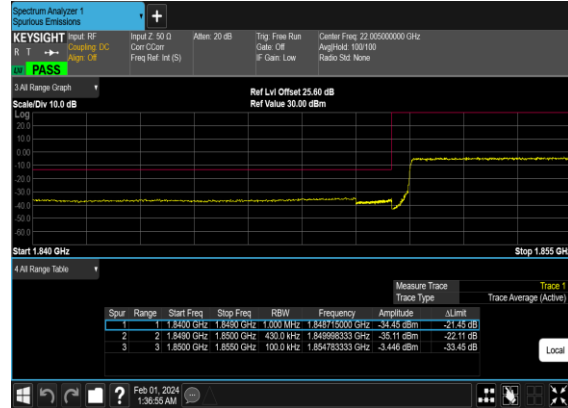
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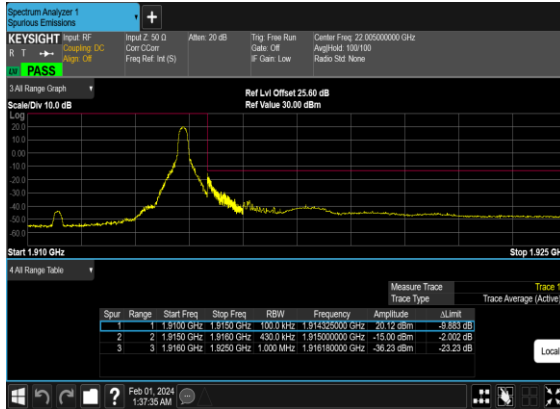
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OFDM_BPSK_Outer_Full_Low_CH



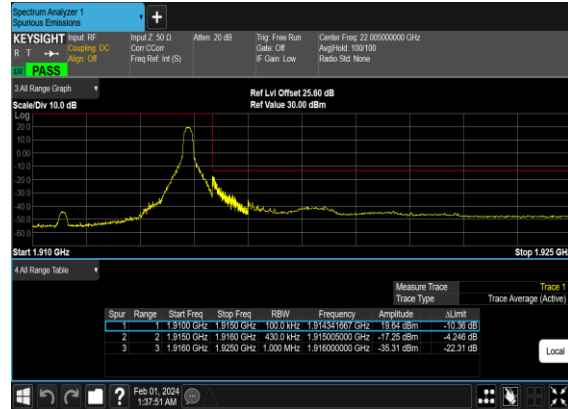
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OFDM_QPSK_Outer_Full_Low_CH



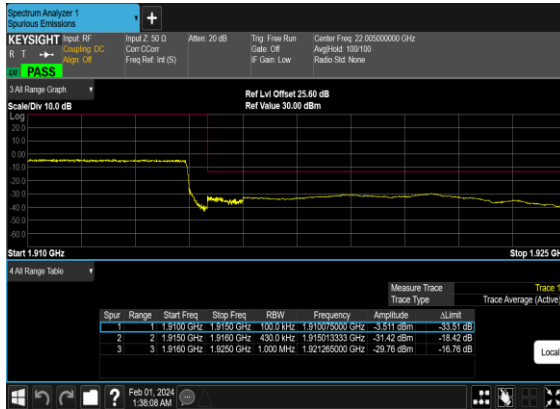
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OFDM_BPSK_Edge_1RB_Right_High_CH



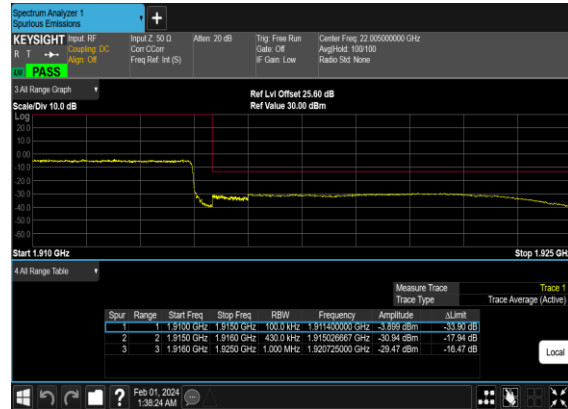
N25(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N25(40M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N25(40M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



FR1 N26

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)= 2.87dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	ERP(W)
26	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	50@25	23.31	24.03	0.2529
26	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@1	23.39	24.11	0.2576
26	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@104	23.25	23.97	0.2495
26	15	20	166800	834	DFT-s-OFDM QPSK	50@25	23.4	24.12	0.2582
26	15	20	166800	834	DFT-s-OFDM QPSK	1@1	23.24	23.96	0.2489
26	15	20	166800	834	DFT-s-OFDM QPSK	1@104	23.23	23.95	0.2483
26	15	20	166800	834	DFT-s-OFDM 16 QAM	50@25	22.27	22.99	0.1991
26	15	20	166800	834	DFT-s-OFDM 16 QAM	1@1	22.34	23.06	0.2023
26	15	20	166800	834	DFT-s-OFDM 16 QAM	1@104	22.21	22.93	0.1963
26	15	20	166800	834	DFT-s-OFDM 64 QAM	50@25	20.72	21.44	0.1393
26	15	20	166800	834	DFT-s-OFDM 64 QAM	1@1	20.84	21.56	0.1432
26	15	20	166800	834	DFT-s-OFDM 64 QAM	1@104	20.87	21.59	0.1442
26	15	20	166800	834	DFT-s-OFDM 256 QAM	50@25	18.75	19.47	0.0885
26	15	20	166800	834	DFT-s-OFDM 256 QAM	1@1	18.81	19.53	0.0897
26	15	20	166800	834	DFT-s-OFDM 256 QAM	1@104	18.83	19.55	0.0902
26	15	20	166800	834	CP-OFDM QPSK	53@26	21.74	22.46	0.1762
26	15	20	166800	834	CP-OFDM QPSK	1@1	21.67	22.39	0.1734
26	15	20	166800	834	CP-OFDM QPSK	1@104	21.59	22.31	0.1702
26	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	50@25	23.24	23.96	0.2489
26	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	23.37	24.09	0.2564
26	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@104	23.13	23.85	0.2427
26	15	20	167300	836.5	DFT-s-OFDM QPSK	50@25	23.28	24	0.2512
26	15	20	167300	836.5	DFT-s-OFDM QPSK	1@1	23.38	24.1	0.2570
26	15	20	167300	836.5	DFT-s-OFDM QPSK	1@104	23.12	23.84	0.2421
26	15	20	167300	836.5	DFT-s-OFDM 16 QAM	50@25	22.23	22.95	0.1972
26	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.26	22.98	0.1986
26	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@104	22.17	22.89	0.1945
26	15	20	167300	836.5	DFT-s-OFDM 64 QAM	50@25	20.68	21.4	0.1380
26	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@1	20.98	21.7	0.1479
26	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@104	20.57	21.29	0.1346
26	15	20	167300	836.5	DFT-s-OFDM 256 QAM	50@25	18.75	19.47	0.0885
26	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@1	18.94	19.66	0.0925
26	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@104	18.75	19.47	0.0885
26	15	20	167300	836.5	CP-OFDM QPSK	53@26	21.85	22.57	0.1807
26	15	20	167300	836.5	CP-OFDM QPSK	1@1	21.74	22.46	0.1762
26	15	20	167300	836.5	CP-OFDM QPSK	1@104	21.79	22.51	0.1782
26	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	50@25	23.34	24.06	0.2547
26	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@1	23.31	24.03	0.2529
26	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@104	23.09	23.81	0.2404
26	15	20	167800	839	DFT-s-OFDM QPSK	50@25	23.29	24.01	0.2518

26	15	20	167800	839	DFT-s-OFDM QPSK	1@1	23.3	24.02	0.2523
26	15	20	167800	839	DFT-s-OFDM QPSK	1@104	23.18	23.9	0.2455
26	15	20	167800	839	DFT-s-OFDM 16 QAM	50@25	22.25	22.97	0.1982
26	15	20	167800	839	DFT-s-OFDM 16 QAM	1@1	22.33	23.05	0.2018
26	15	20	167800	839	DFT-s-OFDM 16 QAM	1@104	22	22.72	0.1871
26	15	20	167800	839	DFT-s-OFDM 64 QAM	50@25	20.75	21.47	0.1403
26	15	20	167800	839	DFT-s-OFDM 64 QAM	1@1	20.82	21.54	0.1426
26	15	20	167800	839	DFT-s-OFDM 64 QAM	1@104	20.69	21.41	0.1384
26	15	20	167800	839	DFT-s-OFDM 256 QAM	50@25	18.79	19.51	0.0893
26	15	20	167800	839	DFT-s-OFDM 256 QAM	1@1	18.84	19.56	0.0904
26	15	20	167800	839	DFT-s-OFDM 256 QAM	1@104	18.69	19.41	0.0873
26	15	20	167800	839	CP-OFDM QPSK	53@26	21.76	22.48	0.1770
26	15	20	167800	839	CP-OFDM QPSK	1@1	21.75	22.47	0.1766
26	15	20	167800	839	CP-OFDM QPSK	1@104	21.65	22.37	0.1726
26	15	5	165300	826.5	DFT-s-OFDM PI/2 BPSK	1@1	23.32	24.04	0.2535
26	15	5	165300	826.5	DFT-s-OFDM QPSK	1@1	23.2	23.92	0.2466
26	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@1	22.19	22.91	0.1954
26	15	5	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	23.24	23.96	0.2489
26	15	5	167300	836.5	DFT-s-OFDM QPSK	1@1	23.34	24.06	0.2547
26	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.4	23.12	0.2051
26	15	5	169300	846.5	DFT-s-OFDM PI/2 BPSK	1@1	23.29	24.01	0.2518
26	15	5	169300	846.5	DFT-s-OFDM QPSK	1@1	23.29	24.01	0.2518
26	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@1	22.15	22.87	0.1936
26	15	10	165800	829	DFT-s-OFDM PI/2 BPSK	1@1	23.31	24.03	0.2529
26	15	10	165800	829	DFT-s-OFDM QPSK	1@1	23.19	23.91	0.2460
26	15	10	165800	829	DFT-s-OFDM 16 QAM	1@1	22.28	23	0.1995
26	15	10	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	23.35	24.07	0.2553
26	15	10	167300	836.5	DFT-s-OFDM QPSK	1@1	23.39	24.11	0.2576
26	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.25	22.97	0.1982
26	15	10	168800	844	DFT-s-OFDM PI/2 BPSK	1@1	23.27	23.99	0.2506
26	15	10	168800	844	DFT-s-OFDM QPSK	1@1	23.25	23.97	0.2495
26	15	10	168800	844	DFT-s-OFDM 16 QAM	1@1	22.46	23.18	0.2080
26	15	15	166300	831.5	DFT-s-OFDM PI/2 BPSK	1@1	23.35	24.07	0.2553
26	15	15	166300	831.5	DFT-s-OFDM QPSK	1@1	23.33	24.05	0.2541
26	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@1	22.31	23.03	0.2009
26	15	15	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	23.35	24.07	0.2553
26	15	15	167300	836.5	DFT-s-OFDM QPSK	1@1	23.39	24.11	0.2576
26	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.31	23.03	0.2009
26	15	15	168300	841.5	DFT-s-OFDM PI/2 BPSK	1@1	23.28	24	0.2512
26	15	15	168300	841.5	DFT-s-OFDM QPSK	1@1	23.2	23.92	0.2466
26	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@1	22.29	23.01	0.2000

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	-0.0045	PASS	NV
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0032	PASS	LV
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0016	PASS	HV
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	-0.0011	PASS	-30°C
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0027	PASS	-20°C
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0052	PASS	-10°C
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0023	PASS	0°C
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	-0.0034	PASS	10°C
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	-0.0015	PASS	20°C
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0012	PASS	30°C
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0029	PASS	40°C
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	-0.0012	PASS	50°C

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
26	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	100@0	3.71	13	PASS
26	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@0	3.91	13	PASS
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	4.54	13	PASS
26	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	3.62	13	PASS

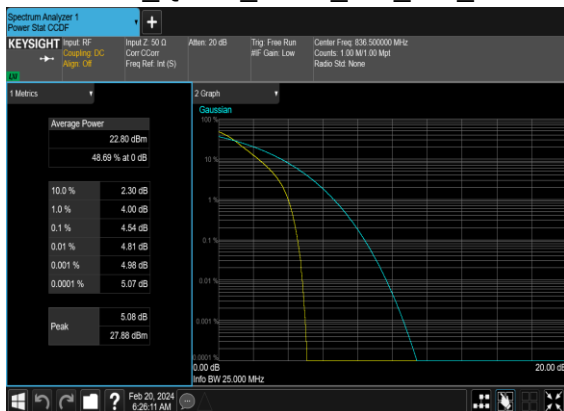
N26(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N26(20M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_Mid_CH



N26(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



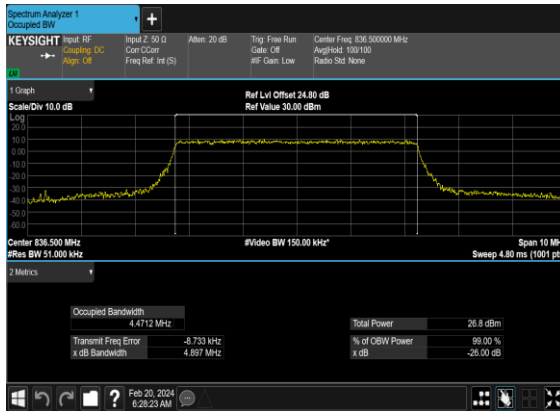
N26(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



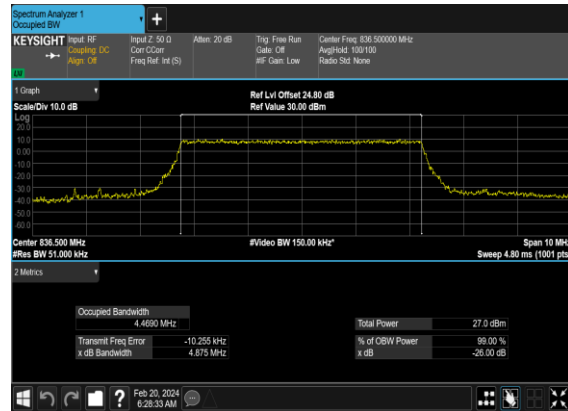
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
26	15	5	167300	836.5	CP-OFDM QPSK	25@0	4.4712	4.897
26	15	5	167300	836.5	CP-OFDM 16 QAM	25@0	4.469	4.875
26	15	5	167300	836.5	CP-OFDM 64 QAM	25@0	4.463	4.895
26	15	5	167300	836.5	CP-OFDM 256 QAM	25@0	4.4679	4.873
26	15	10	167300	836.5	CP-OFDM QPSK	52@0	9.2523	9.859
26	15	10	167300	836.5	CP-OFDM 16 QAM	52@0	9.2626	9.786
26	15	10	167300	836.5	CP-OFDM 64 QAM	52@0	9.2674	9.778
26	15	10	167300	836.5	CP-OFDM 256 QAM	52@0	9.2883	9.82
26	15	15	167300	836.5	CP-OFDM QPSK	79@0	14.085	14.76
26	15	15	167300	836.5	CP-OFDM 16 QAM	79@0	14.062	14.82
26	15	15	167300	836.5	CP-OFDM 64 QAM	79@0	14.101	14.79
26	15	15	167300	836.5	CP-OFDM 256 QAM	79@0	14.064	14.66
26	15	20	167300	836.5	CP-OFDM QPSK	106@0	18.885	19.67
26	15	20	167300	836.5	CP-OFDM 16 QAM	106@0	18.851	19.68
26	15	20	167300	836.5	CP-OFDM 64 QAM	106@0	18.863	19.66
26	15	20	167300	836.5	CP-OFDM 256 QAM	106@0	18.874	19.6

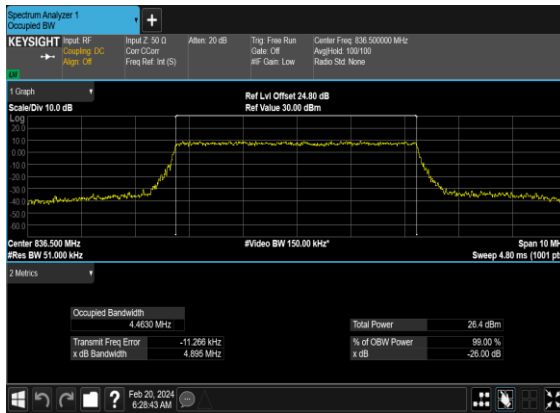
N26(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



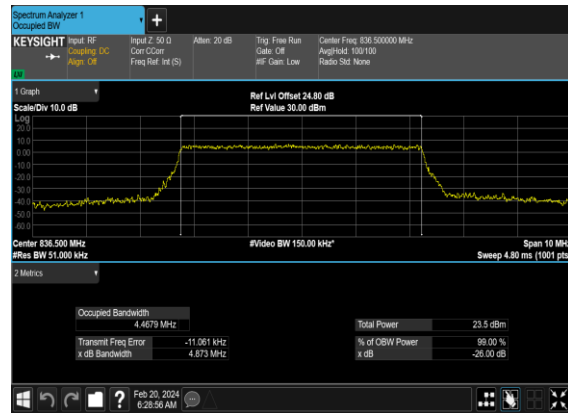
N26(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



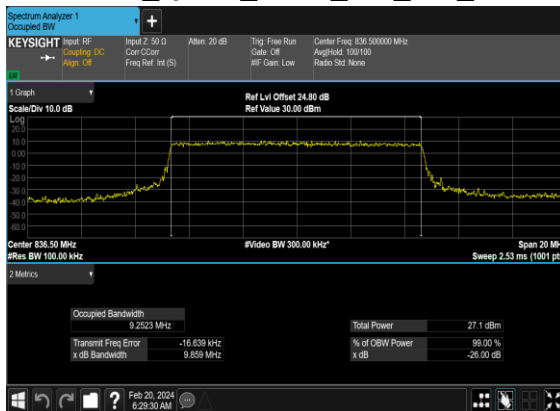
N26(5M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



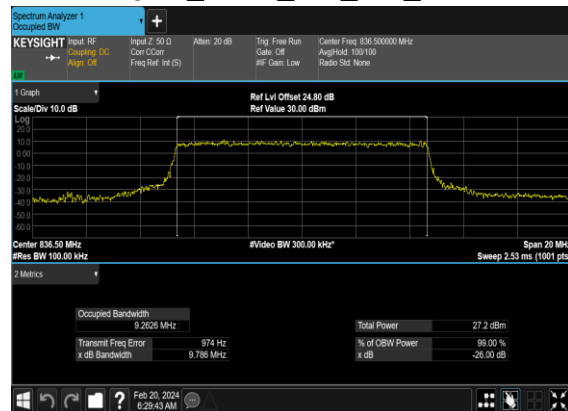
N26(5M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



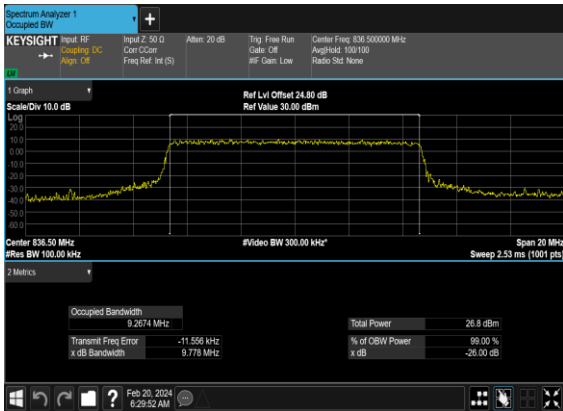
N26(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



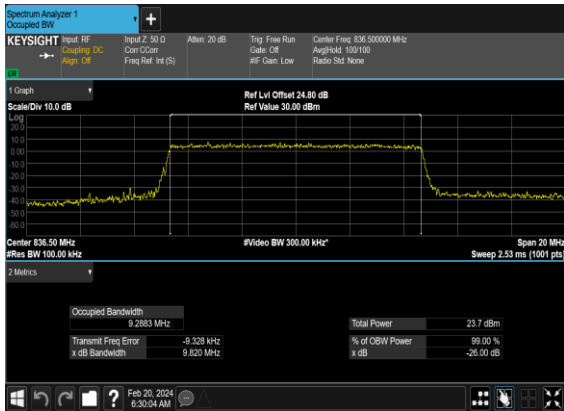
N26(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N26(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



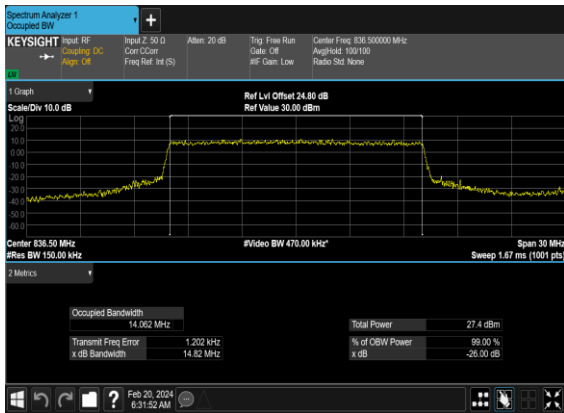
N26(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



N26(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



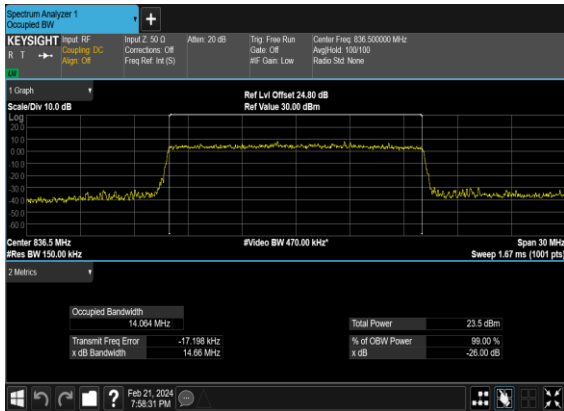
N26(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



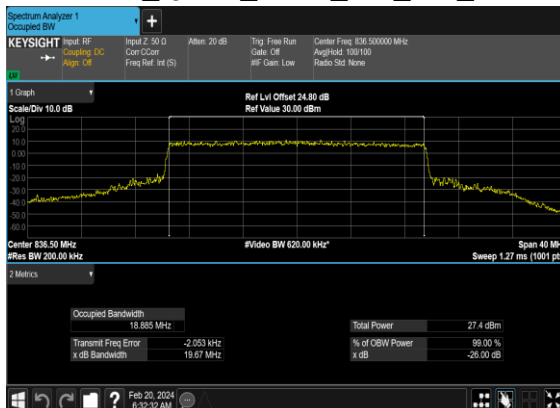
N26(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



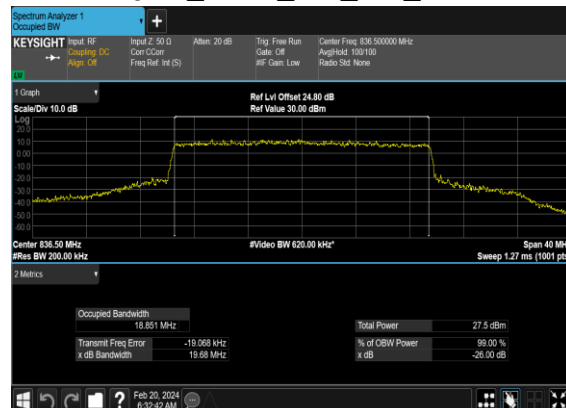
N26(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



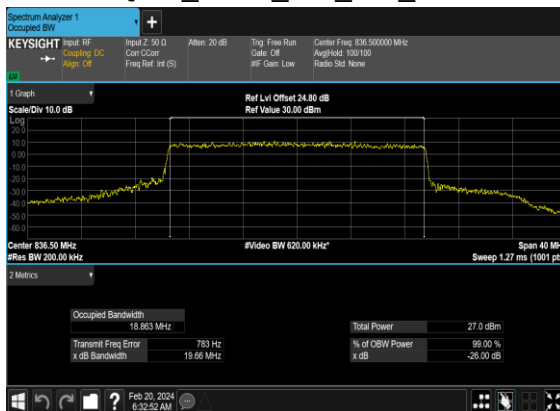
N26(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



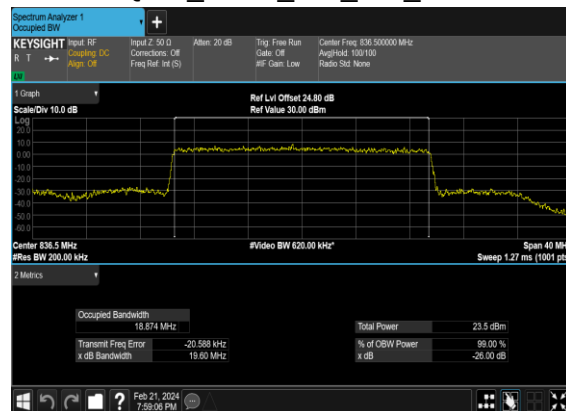
N26(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N26(20M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N26(20M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
26	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	---
26	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	---
26	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
26	15	5	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
26	15	5	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	5	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
26	15	5	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
26	15	5	169300	846.5	DFT-s-OFDM BPSK	1@0	see graph	---
26	15	5	169300	846.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	5	169300	846.5	DFT-s-OFDM QPSK	1@0	see graph	---
26	15	5	169300	846.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
26	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	---
26	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	10	165800	829.0	DFT-s-OFDM QPSK	1@0	see graph	---
26	15	10	165800	829.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
26	15	10	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
26	15	10	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	10	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
26	15	10	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
26	15	10	168800	844.0	DFT-s-OFDM BPSK	1@0	see graph	---
26	15	10	168800	844.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	10	168800	844.0	DFT-s-OFDM QPSK	1@0	see graph	---
26	15	10	168800	844.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
26	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	---
26	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	---
26	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
26	15	20	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
26	15	20	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
26	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
26	15	20	167800	839.0	DFT-s-OFDM BPSK	1@0	see graph	---
26	15	20	167800	839.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	20	167800	839.0	DFT-s-OFDM QPSK	1@0	see graph	---
26	15	20	167800	839.0	DFT-s-OFDM QPSK	1@0	see graph	PASS