



FCC RF Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2517-1, XT2517-2, XT2517-3, XT2517V
FCC ID : IHDT56AT8
STANDARD : 47 CFR Part 22, 24
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Nov. 09, 2024 ~ Dec. 07, 2024

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.

This report contains data that were produced under subcontract by Laboratory Sporton International Inc. (Kunshan)

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

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People's Republic of China



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 ERP/EIRP and Emission Designator ... 6
1.7 Testing Location ... 8
1.8 Test Software ... 8
1.9 Applicable Standards ... 9
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST ... 10
2.1 Test Mode ... 10
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 ... 14
3.1 Measuring Instruments ... 14
3.2 Test Setup ... 14
3.3 Test Result of Conducted Test ... 14
3.4 Conducted Output Power and ERP/EIRP ... 15
3.5 Peak-to-Average Ratio ... 16
3.6 Occupied Bandwidth ... 17
3.7 Conducted Band Edge ... 18
3.8 Conducted Spurious Emission ... 19
3.9 Frequency Stability ... 20
4 RADIATED TEST ITEMS ... 21
4.1 Measuring Instruments ... 21
4.2 Test Setup ... 21
4.3 Test Result of Radiated Test ... 22
4.4 Radiated Spurious Emission ... 23
5 LIST OF MEASURING EQUIPMENT ... 24
6 MEASUREMENT UNCERTAINTY ... 25
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
FG403003L	Rev. 01	Initial issue of report	Dec. 17, 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		
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)	Conducted Band Edge Measurement (5G NR n5, n26) (5G NR n2, n25)	< 43+10log10(P[Watts])	PASS	-
3.8	§2.1051 §22.917(a) §24.238(a)	Conducted Spurious Emission (5G NR n5, n26) (5G NR n2, n25)	< 43+10log10(P[Watts])	PASS	-
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§24.235		Within Authorized Band		
4.4	§2.1053 §22.917(a) §24.238(a)	Radiated Spurious Emission (5G NR n5, n26) (5G NR n2, n25)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 40.32 dB at 7515.000 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

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

1.2 Manufacturer

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

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2517-1, XT2517-2, XT2517-3, XT2517V
FCC ID	IHDT56AT8
IMEI Code	Conducted : 358926210030460 Radiation : 358926210036111
HW Version	DVT2
SW Version	VVA35.34
EUT Stage	Identical Prototype

Note: The four models name XT2517-1, XT2517-2, XT2517-3, XT2517V are the same product except model name different for market segment.

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	
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	
Bandwidth	n2 / n26: 5MHz / 10MHz / 15MHz / 20MHz n5: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz(Downlink Only) n25 :5MHz / 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 35MHz / 40MHz	
SCS	15kHz	
Antenna Gain	<Ant. 0>	<Ant. 1>
	n2:-0.8 dBi	n2:-1.0 dBi
	n5:-5.0 dBi	n5:-4.8 dBi
	n25:-0.8 dBi	n25:-1.0 dBi



	n26:-5.0 dBi	n26:-4.8 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM	

Remark:

1. The maximum ERP/EIRP is calculated from max output power and max antenna gain, only the maximum ERP/EIRP are shown in the report, 5G NR n2/n5/n25/n26 for Ant. 0.
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 n2/n5/n25/n26 support SA mode and NSA mode. According to the maximum power between SA and NSA mode, SA covers NSA mode.
4. The EN-DC mode combination could be referred to the product spec.
5. 5G NR n2/n25 support two PA, main PA and other PA, the maximum power of main PA is higher than the other PA, therefore, we chose higher power of main PA to calculate the EIRP and show in the report.

1.5 Modification of EUT

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

1.6 Maximum ERP/EIRP and Emission Designator

5G NR n2		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	1852.5 ~ 1907.5	0.1637	4M47G7D	0.1528	4M48W7D
10	1855.0 ~ 1905.0	0.1644	9M29G7D	0.1549	9M32W7D
15	1857.5 ~ 1902.5	0.1611	14M1G7D	0.1683	14M1W7D
20	1860.0 ~ 1900.0	0.1799	18M9G7D	0.1644	18M9W7D

5G NR n25		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	1852.5 ~ 1912.5	0.1600	4M47G7D	0.1459	4M48W7D
10	1855.0 ~ 1910.0	0.1841	9M29G7D	0.1683	9M32W7D
15	1857.5 ~ 1907.5	0.1687	14M1G7D	0.1549	14M1W7D
20	1860.0 ~ 1905.0	0.1648	18M9G7D	0.1524	18M9W7D
25	1862.5 ~ 1902.5	0.1667	23M7G7D	0.1538	23M8W7D
30	1865.0 ~ 1900.0	0.1854	28M6G7D	0.1702	28M6W7D
35	1867.5 ~ 1897.5	0.1862	33M5G7D	0.1706	33M5W7D
40	1870.0 ~ 1895.0	0.1866	38M5G7D	0.1660	38M6W7D



5G NR n25 EN DC_66A-n25A		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	1852.5 ~ 1912.5	0.1535	4M48G7D	0.1330	4M48W7D
10	1855.0 ~ 1910.0	0.1545	9M29G7D	0.1403	9M28W7D
15	1857.5 ~ 1907.5	0.1581	14M1G7D	0.1426	14M1W7D
20	1860.0 ~ 1905.0	0.1578	19M0G7D	0.1449	19M0W7D
25	1862.5 ~ 1902.5	0.1618	23M7G7D	0.1432	23M8W7D
30	1865.0 ~ 1900.0	0.1644	28M5G7D	0.1483	28M6W7D
35	1867.5 ~ 1897.5	0.1614	33M6G7D	0.1503	33M6W7D
40	1870.0 ~ 1895.0	0.1683	38M5G7D	0.1472	38M6W7D

5G NR n5		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	826.5 ~ 846.5	0.0389	4M47G7D	0.0359	4M49W7D
10	829.0 ~ 844.0	0.0392	9M27G7D	0.0364	9M28W7D
15	831.5 ~ 841.5	0.0394	14M1G7D	0.0371	14M1W7D
20	834.0 ~ 839.0	0.0406	18M9G7D	0.0376	18M9W7D

5G NR n26		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	826.5 ~ 846.5	0.0390	4M47G7D	0.0363	4M49W7D
10	829.0 ~ 844.0	0.0391	9M27G7D	0.0361	9M28W7D
15	831.5 ~ 841.5	0.0396	14M1G7D	0.0377	14M1W7D
20	834.0 ~ 839.0	0.0414	18M9G7D	0.0382	18M9W7D

Note:

1. 5G NR n26 overlaps the entire frequency range of 5G NR n5. Therefore, the test results provided in this report covers 5G NR n26 as well as 5G NR n5.
2. 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.
3. 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	CN1257	314309

Test data subcontracted: test cases in section 4.4 of this report.

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

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	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 22, 24
- 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.

1.10 Specification of Accessory

Accessories Information				
Battery 1	Brand Name	Motorola(COSMX)	Model Name	RH50
Battery 2	Brand Name	Motorola(SUNWODA)	Model Name	RH50
USB Cable 1	Brand Name	LUXSHARE	Model Name	SC18E08103
USB Cable 2	Brand Name	Saibao	Model Name	SC18D86731
Stylus	Brand Name	Techson	Model Name	SO28E49329




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/Z plane) were recorded in this report.

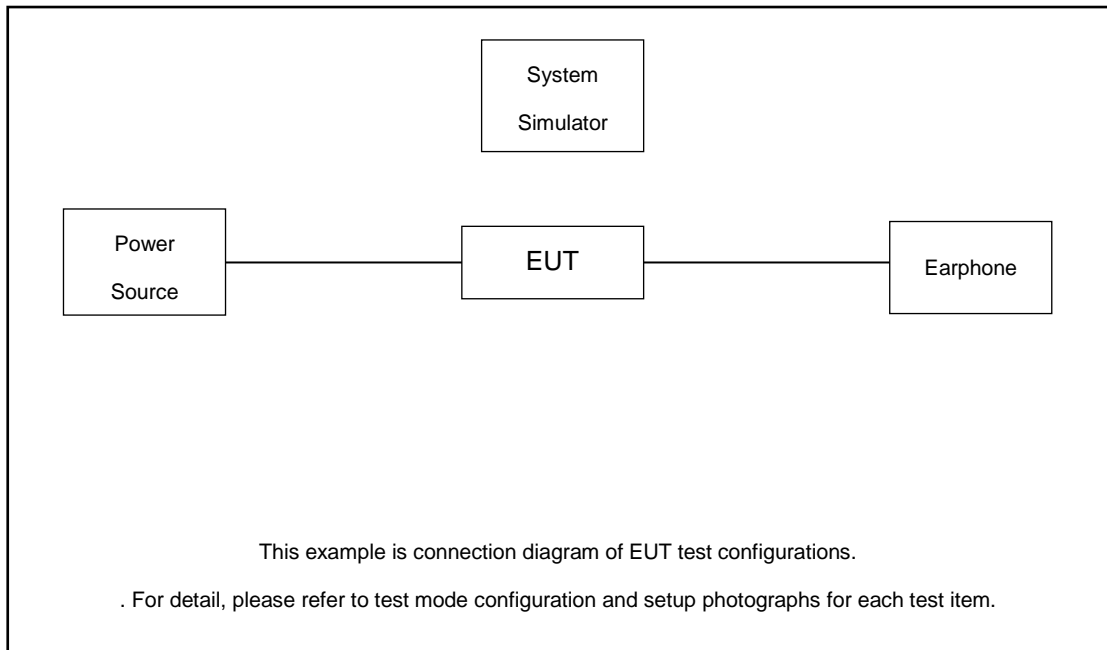
The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.

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	35	40	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	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	v
	n26	v	v	v	v	-	-	-	-	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	n25				v	-	-	-	-	v	v					v		v	
	n26				v	-	-	-	-	v	v					v		v	
26dB and 99% Bandwidth	n25	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	
Conducted Band Edge	n25	v			v	-	-	-	v	v	v				v	v	v		v
	n26	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
Frequency Stability	n25				v	-	-	-	-		v					v		v	
	n26				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	v

Test Items	5G NR	Bandwidth (MHz)								Modulation					RB #		Test Channel		
		5	10	15	20	25	30	35	40	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Full	L	M	H
	n26	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	
Note	<ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. 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. Frequency Stability : Normal Voltage = 3.91V ; Low Voltage =3.40V. ; High Voltage =4.50V 																		

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.	Earphone	N/A	N/A	N/A	N/A	N/A



5.	Adapter	N/A	N/A	N/A	N/A	N/A
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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.

$$\text{Offset} = \text{RF cable loss}$$

Following shows an offset computation example with cable loss 8.0 dB.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)}. \\ &= 8.0(\text{dB}) \end{aligned}$$

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
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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
35	Channel	373500	376500	379500
	Frequency	1867.5	1882.5	1897.5
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

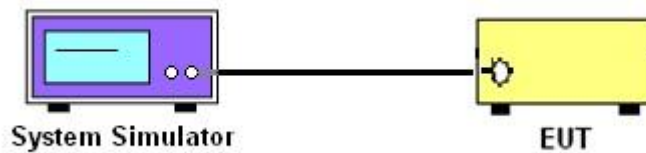
3 Conducted Test Items

3.1 Measuring Instruments

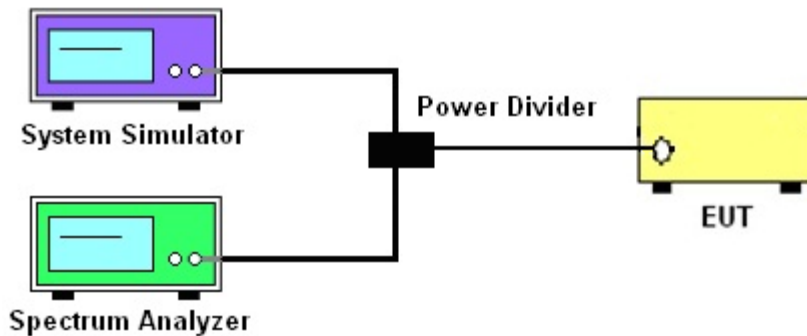
See list of measuring instruments of this test report.

3.2 Test Setup

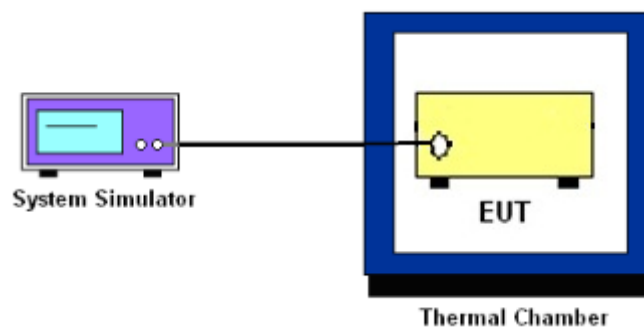
3.2.1 Conducted Output Power



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.

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.

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:

$$\begin{aligned} &\text{The limit line is derived from } 43 + 10\log(P)\text{dB below the transmitter power } P(\text{Watts}) \\ &= P(\text{W}) - [43 + 10\log(P)] \text{ (dB)} \\ &= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)} = -13\text{dBm}. \end{aligned}$$

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 + 10log(P)] (dB)
= [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
= -13dBm.



3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

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

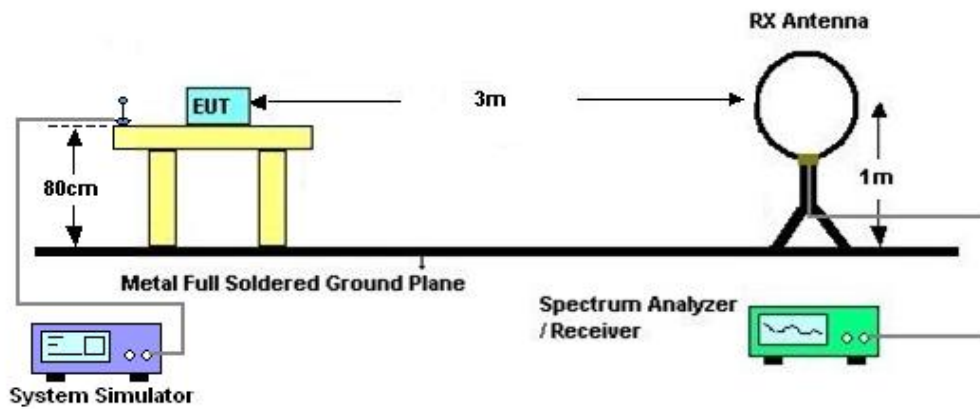
4 Radiated Test Items

4.1 Measuring Instruments

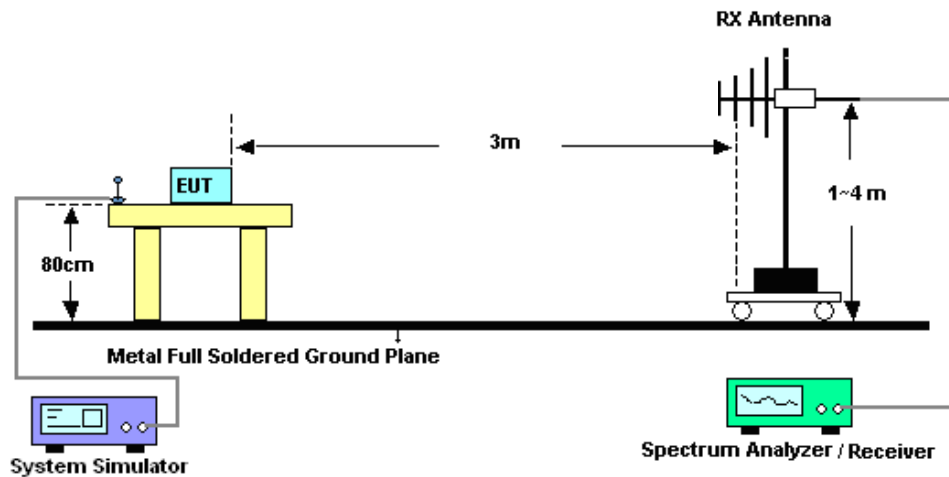
See list of measuring instruments of this test report.

4.2 Test Setup

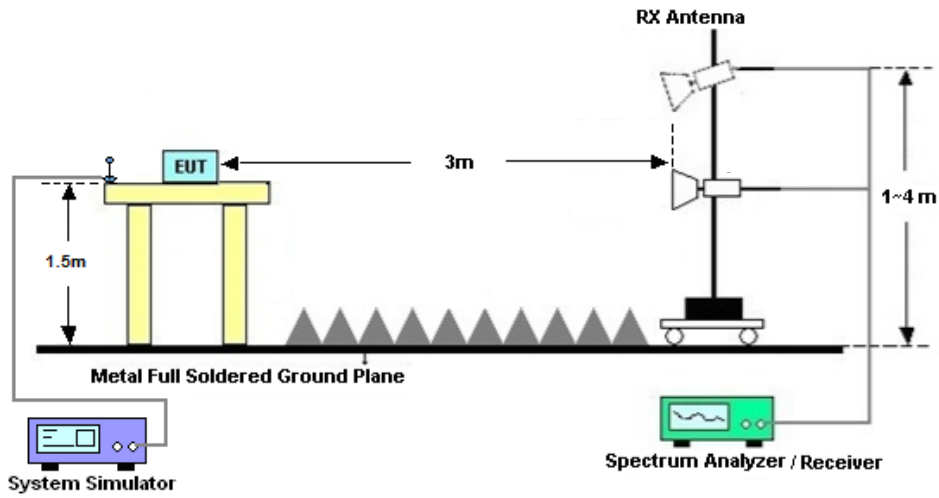
4.2.1 For radiated test below 30MHz



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. $EIRP (dBm) = S.G. Power - Tx Cable Loss + Tx Antenna Gain$
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 $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)] (dB)$
 $= [30 + 10\log(P)] (dBm) - [43 + 10\log(P)] (dB)$
 $= -13dBm.$



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 09, 2024	Nov. 09, 2024~Nov. 28, 2024	Apr. 08, 2025	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2023	Nov. 09, 2024~Nov. 28, 2024	Dec. 24, 2024	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 03, 2024	Nov. 09, 2024~Nov. 28, 2024	Jul. 02, 2025	Conducted (TH01-SZ)
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz-44G,MAX 30dB	Oct. 11, 2024	Dec. 07, 2024	Oct. 10, 2025	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Sep. 08, 2024	Dec. 07, 2024	Sep. 07, 2025	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	59913	30MHz-1GHz	Sep. 03, 2024	Dec. 07, 2024	Sep. 02, 2025	Radiation (03CH04-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00227860	1GHz~18GHz	Aug. 16, 2024	Dec. 07, 2024	Aug. 15, 2025	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 27, 2024	Dec. 07, 2024	Jan. 26, 2025	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	413740	9KHz-1GHz	Jan. 03, 2024	Dec. 07, 2024	Jan. 02, 2025	Radiation (03CH04-KS)
Amplifier	EM	EM18G40G A	060728	18~40GHz	Jan. 02, 2024	Dec. 07, 2024	Jan. 01, 2025	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18G A	060840	1Ghz-18Ghz	Oct. 09, 2024	Dec. 07, 2024	Oct. 08, 2025	Radiation (03CH04-KS)
Amplifier	EM	EM01G18G A	060892	1Ghz-18Ghz	Oct. 09, 2024	Dec. 07, 2024	Oct. 08, 2025	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Dec. 07, 2024	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Dec. 07, 2024	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Dec. 07, 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	±1.34 dB
Occupied Channel Bandwidth	±0.012 MHz
Conducted Power	±1.34 dB
Peak to Average Ratio	±1.34 dB
Frequency Stability	±1.3 Hz

Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.30dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.83dB
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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))	2.83dB
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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))	2.83dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Khan Zhen	Temperature :	22~23°C
		Relative Humidity :	40~42%



FR1 n2(Ant.0)

Transmitter Conducted Output Power and EIRP, (G_T - L_c)= -0.8dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
2	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@1	22.94	22.14	0.1637
2	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	1@1	22.64	21.84	0.1528
2	15	5	376000	1880	DFT-s-OFDM QPSK	1@1	22.94	22.14	0.1637
2	15	5	376000	1880	DFT-s-OFDM 16 QAM	1@1	22.62	21.82	0.1521
2	15	5	381500	1907.5	DFT-s-OFDM QPSK	1@1	22.94	22.14	0.1637
2	15	5	381500	1907.5	DFT-s-OFDM 16 QAM	1@1	22.56	21.76	0.1500
2	15	10	371000	1855	DFT-s-OFDM QPSK	1@1	22.96	22.16	0.1644
2	15	10	371000	1855	DFT-s-OFDM 16 QAM	1@1	22.7	21.9	0.1549
2	15	10	376000	1880	DFT-s-OFDM QPSK	1@1	22.8	22	0.1585
2	15	10	376000	1880	DFT-s-OFDM 16 QAM	1@1	22.62	21.82	0.1521
2	15	10	381000	1905	DFT-s-OFDM QPSK	1@1	22.69	21.89	0.1545
2	15	10	381000	1905	DFT-s-OFDM 16 QAM	1@1	22.46	21.66	0.1466
2	15	15	371500	1857.5	DFT-s-OFDM QPSK	1@1	23.02	22.22	0.1667
2	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	1@1	22.87	22.07	0.1611
2	15	15	376000	1880	DFT-s-OFDM QPSK	1@1	23.06	22.26	0.1683
2	15	15	376000	1880	DFT-s-OFDM 16 QAM	1@1	22.81	22.01	0.1589
2	15	15	380500	1902.5	DFT-s-OFDM QPSK	1@1	22.85	22.05	0.1603
2	15	15	380500	1902.5	DFT-s-OFDM 16 QAM	1@1	22.56	21.76	0.1500
2	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	50@25	23.12	22.32	0.1706
2	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	1@1	23.03	22.23	0.1671
2	15	20	372000	1860	DFT-s-OFDM PI/2 BPSK	1@104	23.11	22.31	0.1702
2	15	20	372000	1860	DFT-s-OFDM QPSK	50@25	23.13	22.33	0.1710
2	15	20	372000	1860	DFT-s-OFDM QPSK	1@1	23.11	22.31	0.1702
2	15	20	372000	1860	DFT-s-OFDM QPSK	1@104	23.35	22.55	0.1799
2	15	20	372000	1860	DFT-s-OFDM 16 QAM	50@25	22.66	21.86	0.1535
2	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@1	22.84	22.04	0.1600
2	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@104	22.87	22.07	0.1611
2	15	20	372000	1860	DFT-s-OFDM 64 QAM	50@25	21.89	21.09	0.1285
2	15	20	372000	1860	DFT-s-OFDM 64 QAM	1@1	22.07	21.27	0.1340
2	15	20	372000	1860	DFT-s-OFDM 64 QAM	1@104	22.06	21.26	0.1337
2	15	20	372000	1860	DFT-s-OFDM 256 QAM	50@25	19.76	18.96	0.0787
2	15	20	372000	1860	DFT-s-OFDM 256 QAM	1@1	19.63	18.83	0.0764
2	15	20	372000	1860	DFT-s-OFDM 256 QAM	1@104	19.68	18.88	0.0773
2	15	20	372000	1860	CP-OFDM QPSK	53@26	22.91	22.11	0.1626



2	15	20	372000	1860	CP-OFDM QPSK	1@1	22.69	21.89	0.1545
2	15	20	372000	1860	CP-OFDM QPSK	1@104	22.69	21.89	0.1545
2	15	20	376000	1880	DFT-s-OFDM PI/2 BPSK	50@25	23.06	22.26	0.1683
2	15	20	376000	1880	DFT-s-OFDM PI/2 BPSK	1@1	23.1	22.3	0.1698
2	15	20	376000	1880	DFT-s-OFDM PI/2 BPSK	1@104	22.94	22.14	0.1637
2	15	20	376000	1880	DFT-s-OFDM QPSK	50@25	23.1	22.3	0.1698
2	15	20	376000	1880	DFT-s-OFDM QPSK	1@1	23.25	22.45	0.1758
2	15	20	376000	1880	DFT-s-OFDM QPSK	1@104	22.98	22.18	0.1652
2	15	20	376000	1880	DFT-s-OFDM 16 QAM	50@25	22.61	21.81	0.1517
2	15	20	376000	1880	DFT-s-OFDM 16 QAM	1@1	22.96	22.16	0.1644
2	15	20	376000	1880	DFT-s-OFDM 16 QAM	1@104	22.74	21.94	0.1563
2	15	20	376000	1880	DFT-s-OFDM 64 QAM	50@25	21.88	21.08	0.1282
2	15	20	376000	1880	DFT-s-OFDM 64 QAM	1@1	22.11	21.31	0.1352
2	15	20	376000	1880	DFT-s-OFDM 64 QAM	1@104	21.97	21.17	0.1309
2	15	20	376000	1880	DFT-s-OFDM 256 QAM	50@25	19.81	19.01	0.0796
2	15	20	376000	1880	DFT-s-OFDM 256 QAM	1@1	19.7	18.9	0.0776
2	15	20	376000	1880	DFT-s-OFDM 256 QAM	1@104	19.55	18.75	0.0750
2	15	20	376000	1880	CP-OFDM QPSK	53@26	22.89	22.09	0.1618
2	15	20	376000	1880	CP-OFDM QPSK	1@1	23.03	22.23	0.1671
2	15	20	376000	1880	CP-OFDM QPSK	1@104	22.38	21.58	0.1439
2	15	20	380000	1900	DFT-s-OFDM PI/2 BPSK	50@25	22.92	22.12	0.1629
2	15	20	380000	1900	DFT-s-OFDM PI/2 BPSK	1@1	22.9	22.1	0.1622
2	15	20	380000	1900	DFT-s-OFDM PI/2 BPSK	1@104	22.85	22.05	0.1603
2	15	20	380000	1900	DFT-s-OFDM QPSK	50@25	22.94	22.14	0.1637
2	15	20	380000	1900	DFT-s-OFDM QPSK	1@1	22.88	22.08	0.1614
2	15	20	380000	1900	DFT-s-OFDM QPSK	1@104	22.85	22.05	0.1603
2	15	20	380000	1900	DFT-s-OFDM 16 QAM	50@25	22.47	21.67	0.1469
2	15	20	380000	1900	DFT-s-OFDM 16 QAM	1@1	22.68	21.88	0.1542
2	15	20	380000	1900	DFT-s-OFDM 16 QAM	1@104	22.64	21.84	0.1528
2	15	20	380000	1900	DFT-s-OFDM 64 QAM	50@25	21.75	20.95	0.1245
2	15	20	380000	1900	DFT-s-OFDM 64 QAM	1@1	21.9	21.1	0.1288
2	15	20	380000	1900	DFT-s-OFDM 64 QAM	1@104	21.86	21.06	0.1276
2	15	20	380000	1900	DFT-s-OFDM 256 QAM	50@25	19.6	18.8	0.0759
2	15	20	380000	1900	DFT-s-OFDM 256 QAM	1@1	19.45	18.65	0.0733
2	15	20	380000	1900	DFT-s-OFDM 256 QAM	1@104	19.37	18.57	0.0719
2	15	20	380000	1900	CP-OFDM QPSK	53@26	22.66	21.86	0.1535
2	15	20	380000	1900	CP-OFDM QPSK	1@1	22.8	22	0.1585
2	15	20	380000	1900	CP-OFDM QPSK	1@104	22.38	21.58	0.1439



FR1 n5(Ant.0)

Transmitter Conducted Output Power and ERP, (G_T - L_c)= -5.0dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@1	23.05	15.9	0.0389
5	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@1	22.7	15.55	0.0359
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@1	22.91	15.76	0.0377
5	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.66	15.51	0.0356
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@1	22.87	15.72	0.0373
5	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@1	22.56	15.41	0.0348
5	15	10	165800	829	DFT-s-OFDM QPSK	1@1	22.97	15.82	0.0382
5	15	10	165800	829	DFT-s-OFDM 16 QAM	1@1	22.63	15.48	0.0353
5	15	10	167300	836.5	DFT-s-OFDM QPSK	1@1	23.08	15.93	0.0392
5	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.76	15.61	0.0364
5	15	10	168800	844	DFT-s-OFDM QPSK	1@1	22.94	15.79	0.0379
5	15	10	168800	844	DFT-s-OFDM 16 QAM	1@1	22.53	15.38	0.0345
5	15	15	166300	831.5	DFT-s-OFDM QPSK	1@1	23.01	15.86	0.0385
5	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@1	22.84	15.69	0.0371
5	15	15	167300	836.5	DFT-s-OFDM QPSK	1@1	23.11	15.96	0.0394
5	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.76	15.61	0.0364
5	15	15	168300	841.5	DFT-s-OFDM QPSK	1@1	22.98	15.83	0.0383
5	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@1	22.67	15.52	0.0356
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	50@25	23.09	15.94	0.0393
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@1	23.06	15.91	0.0390
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@104	22.82	15.67	0.0369
5	15	20	166800	834	DFT-s-OFDM QPSK	50@25	23.06	15.91	0.0390
5	15	20	166800	834	DFT-s-OFDM QPSK	1@1	23.05	15.9	0.0389
5	15	20	166800	834	DFT-s-OFDM QPSK	1@104	22.89	15.74	0.0375
5	15	20	166800	834	DFT-s-OFDM 16 QAM	50@25	22.63	15.48	0.0353
5	15	20	166800	834	DFT-s-OFDM 16 QAM	1@1	22.83	15.68	0.0370
5	15	20	166800	834	DFT-s-OFDM 16 QAM	1@104	22.62	15.47	0.0352
5	15	20	166800	834	DFT-s-OFDM 64 QAM	50@25	21.96	14.81	0.0303
5	15	20	166800	834	DFT-s-OFDM 64 QAM	1@1	22.21	15.06	0.0321
5	15	20	166800	834	DFT-s-OFDM 64 QAM	1@104	21.99	14.84	0.0305
5	15	20	166800	834	DFT-s-OFDM 256 QAM	50@25	19.87	12.72	0.0187
5	15	20	166800	834	DFT-s-OFDM 256 QAM	1@1	19.73	12.58	0.0181
5	15	20	166800	834	DFT-s-OFDM 256 QAM	1@104	19.59	12.44	0.0175
5	15	20	166800	834	CP-OFDM QPSK	53@26	22.93	15.78	0.0378
5	15	20	166800	834	CP-OFDM QPSK	1@1	22.71	15.56	0.0360



5	15	20	166800	834	CP-OFDM QPSK	1@104	22.49	15.34	0.0342
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	50@25	22.98	15.83	0.0383
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	23.09	15.94	0.0393
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@104	22.81	15.66	0.0368
5	15	20	167300	836.5	DFT-s-OFDM QPSK	50@25	23.03	15.88	0.0387
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@1	23.23	16.08	0.0406
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@104	22.76	15.61	0.0364
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	50@25	22.61	15.46	0.0352
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.9	15.75	0.0376
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@104	22.61	15.46	0.0352
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	50@25	21.94	14.79	0.0301
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@1	22.31	15.16	0.0328
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@104	21.91	14.76	0.0299
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	50@25	19.86	12.71	0.0187
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@1	19.83	12.68	0.0185
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@104	19.54	12.39	0.0173
5	15	20	167300	836.5	CP-OFDM QPSK	53@26	22.97	15.82	0.0382
5	15	20	167300	836.5	CP-OFDM QPSK	1@1	23.1	15.95	0.0394
5	15	20	167300	836.5	CP-OFDM QPSK	1@104	22.41	15.26	0.0336
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	50@25	22.94	15.79	0.0379
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@1	23.04	15.89	0.0388
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@104	22.71	15.56	0.0360
5	15	20	167800	839	DFT-s-OFDM QPSK	50@25	22.98	15.83	0.0383
5	15	20	167800	839	DFT-s-OFDM QPSK	1@1	23.02	15.87	0.0386
5	15	20	167800	839	DFT-s-OFDM QPSK	1@104	22.93	15.78	0.0378
5	15	20	167800	839	DFT-s-OFDM 16 QAM	50@25	22.53	15.38	0.0345
5	15	20	167800	839	DFT-s-OFDM 16 QAM	1@1	22.8	15.65	0.0367
5	15	20	167800	839	DFT-s-OFDM 16 QAM	1@104	22.56	15.41	0.0348
5	15	20	167800	839	DFT-s-OFDM 64 QAM	50@25	21.87	14.72	0.0296
5	15	20	167800	839	DFT-s-OFDM 64 QAM	1@1	22.16	15.01	0.0317
5	15	20	167800	839	DFT-s-OFDM 64 QAM	1@104	21.94	14.79	0.0301
5	15	20	167800	839	DFT-s-OFDM 256 QAM	50@25	19.79	12.64	0.0184
5	15	20	167800	839	DFT-s-OFDM 256 QAM	1@1	19.78	12.63	0.0183
5	15	20	167800	839	DFT-s-OFDM 256 QAM	1@104	19.55	12.4	0.0174
5	15	20	167800	839	CP-OFDM QPSK	53@26	22.86	15.71	0.0372
5	15	20	167800	839	CP-OFDM QPSK	1@1	23.06	15.91	0.0390
5	15	20	167800	839	CP-OFDM QPSK	1@104	22.37	15.22	0.0333



Software Version: 23.06.1602

FR1 N25(Ant.0)

Transmitter Conducted Output Power and EIRP, (G_T - L_c)= -0.8dB

NR Band	SC S	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@1	22.84	22.04	0.1600
25	15	5	370500	1852.5	DFT-s-OFDM 16 QAM	1@1	22.44	21.64	0.1459
25	15	5	376500	1882.5	DFT-s-OFDM QPSK	1@1	22.83	22.03	0.1596
25	15	5	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.44	21.64	0.1459
25	15	5	382500	1912.5	DFT-s-OFDM QPSK	1@1	22.7	21.9	0.1549
25	15	5	382500	1912.5	DFT-s-OFDM 16 QAM	1@1	22.23	21.43	0.1390
25	15	10	371000	1855	DFT-s-OFDM QPSK	1@1	22.86	22.06	0.1607
25	15	10	371000	1855	DFT-s-OFDM 16 QAM	1@1	22.31	21.51	0.1416
25	15	10	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.43	22.63	0.1832
25	15	10	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.03	22.23	0.1671
25	15	10	382000	1910	DFT-s-OFDM QPSK	1@1	23.45	22.65	0.1841
25	15	10	382000	1910	DFT-s-OFDM 16 QAM	1@1	23.06	22.26	0.1683
25	15	15	371500	1857.5	DFT-s-OFDM QPSK	1@1	23.07	22.27	0.1687
25	15	15	371500	1857.5	DFT-s-OFDM 16 QAM	1@1	22.66	21.86	0.1535
25	15	15	376500	1882.5	DFT-s-OFDM QPSK	1@1	22.99	22.19	0.1656
25	15	15	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.7	21.9	0.1549
25	15	15	381500	1907.5	DFT-s-OFDM QPSK	1@1	22.69	21.89	0.1545
25	15	15	381500	1907.5	DFT-s-OFDM 16 QAM	1@1	22.38	21.58	0.1439
25	15	20	372000	1860	DFT-s-OFDM QPSK	1@1	22.96	22.16	0.1644
25	15	20	372000	1860	DFT-s-OFDM 16 QAM	1@1	22.63	21.83	0.1524
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	1@1	22.97	22.17	0.1648
25	15	20	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.54	21.74	0.1493
25	15	20	381000	1905	DFT-s-OFDM QPSK	1@1	22.8	22	0.1585
25	15	20	381000	1905	DFT-s-OFDM 16 QAM	1@1	22.37	21.57	0.1435
25	15	25	372500	1862.5	DFT-s-OFDM QPSK	1@1	23.02	22.22	0.1667
25	15	25	372500	1862.5	DFT-s-OFDM 16 QAM	1@1	22.67	21.87	0.1538
25	15	25	376500	1882.5	DFT-s-OFDM QPSK	1@1	23	22.2	0.1660
25	15	25	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.66	21.86	0.1535
25	15	25	380500	1902.5	DFT-s-OFDM QPSK	1@1	22.96	22.16	0.1644
25	15	25	380500	1902.5	DFT-s-OFDM 16 QAM	1@1	22.45	21.65	0.1462
25	15	30	373000	1865	DFT-s-OFDM QPSK	1@1	23.39	22.59	0.1816
25	15	30	373000	1865	DFT-s-OFDM 16 QAM	1@1	23.11	22.31	0.1702
25	15	30	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.48	22.68	0.1854
25	15	30	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.06	22.26	0.1683
25	15	30	380000	1900	DFT-s-OFDM QPSK	1@1	22.96	22.16	0.1644



25	15	30	380000	1900	DFT-s-OFDM 16 QAM	1@1	22.54	21.74	0.1493
25	15	35	373500	1867.5	DFT-s-OFDM QPSK	1@1	23.5	22.7	0.1862
25	15	35	373500	1867.5	DFT-s-OFDM 16 QAM	1@1	23.12	22.32	0.1706
25	15	35	376500	1882.5	DFT-s-OFDM QPSK	1@1	22.97	22.17	0.1648
25	15	35	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.57	21.77	0.1503
25	15	35	379500	1897.5	DFT-s-OFDM QPSK	1@1	22.85	22.05	0.1603
25	15	35	379500	1897.5	DFT-s-OFDM 16 QAM	1@1	22.49	21.69	0.1476
25	15	40	374000	1870	DFT-s-OFDM PI/2 BPSK	108@54	23.51	22.71	0.1866
25	15	40	374000	1870	DFT-s-OFDM PI/2 BPSK	1@1	23.34	22.54	0.1795
25	15	40	374000	1870	DFT-s-OFDM PI/2 BPSK	1@214	23.31	22.51	0.1782
25	15	40	374000	1870	DFT-s-OFDM QPSK	108@54	23.48	22.68	0.1854
25	15	40	374000	1870	DFT-s-OFDM QPSK	1@1	23.32	22.52	0.1786
25	15	40	374000	1870	DFT-s-OFDM QPSK	1@214	23.35	22.55	0.1799
25	15	40	374000	1870	DFT-s-OFDM 16 QAM	108@54	22.93	22.13	0.1633
25	15	40	374000	1870	DFT-s-OFDM 16 QAM	1@1	22.85	22.05	0.1603
25	15	40	374000	1870	DFT-s-OFDM 16 QAM	1@214	22.98	22.18	0.1652
25	15	40	374000	1870	DFT-s-OFDM 64 QAM	108@54	21.73	20.93	0.1239
25	15	40	374000	1870	DFT-s-OFDM 64 QAM	1@1	21.73	20.93	0.1239
25	15	40	374000	1870	DFT-s-OFDM 64 QAM	1@214	21.83	21.03	0.1268
25	15	40	374000	1870	DFT-s-OFDM 256 QAM	108@54	19.76	18.96	0.0787
25	15	40	374000	1870	DFT-s-OFDM 256 QAM	1@1	19.53	18.73	0.0746
25	15	40	374000	1870	DFT-s-OFDM 256 QAM	1@214	19.55	18.75	0.0750
25	15	40	374000	1870	CP-OFDM QPSK	108@54	22.72	21.92	0.1556
25	15	40	374000	1870	CP-OFDM QPSK	1@1	22.77	21.97	0.1574
25	15	40	374000	1870	CP-OFDM QPSK	1@214	22.81	22.01	0.1589
25	15	40	376500	1882.5	DFT-s-OFDM PI/2 BPSK	108@54	23.4	22.6	0.1820
25	15	40	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	23.31	22.51	0.1782
25	15	40	376500	1882.5	DFT-s-OFDM PI/2 BPSK	1@214	23.24	22.44	0.1754
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	108@54	23.39	22.59	0.1816
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	1@1	23.4	22.6	0.1820
25	15	40	376500	1882.5	DFT-s-OFDM QPSK	1@214	23.25	22.45	0.1758
25	15	40	376500	1882.5	DFT-s-OFDM 16 QAM	108@54	22.81	22.01	0.1589
25	15	40	376500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.94	22.14	0.1637
25	15	40	376500	1882.5	DFT-s-OFDM 16 QAM	1@214	22.87	22.07	0.1611
25	15	40	376500	1882.5	DFT-s-OFDM 64 QAM	108@54	21.64	20.84	0.1213
25	15	40	376500	1882.5	DFT-s-OFDM 64 QAM	1@1	21.91	21.11	0.1291
25	15	40	376500	1882.5	DFT-s-OFDM 64 QAM	1@214	21.81	21.01	0.1262
25	15	40	376500	1882.5	DFT-s-OFDM 256 QAM	108@54	19.62	18.82	0.0762
25	15	40	376500	1882.5	DFT-s-OFDM 256 QAM	1@1	19.61	18.81	0.0760
25	15	40	376500	1882.5	DFT-s-OFDM 256 QAM	1@214	19.5	18.7	0.0741
25	15	40	376500	1882.5	CP-OFDM QPSK	108@54	22.65	21.85	0.1531



25	15	40	376500	1882.5	CP-OFDM QPSK	1@1	22.79	21.99	0.1581
25	15	40	376500	1882.5	CP-OFDM QPSK	1@214	22.43	21.63	0.1455
25	15	40	379000	1895	DFT-s-OFDM PI/2 BPSK	108@54	23.36	22.56	0.1803
25	15	40	379000	1895	DFT-s-OFDM PI/2 BPSK	1@1	23.25	22.45	0.1758
25	15	40	379000	1895	DFT-s-OFDM PI/2 BPSK	1@214	23.36	22.56	0.1803
25	15	40	379000	1895	DFT-s-OFDM QPSK	108@54	23.39	22.59	0.1816
25	15	40	379000	1895	DFT-s-OFDM QPSK	1@1	23.28	22.48	0.1770
25	15	40	379000	1895	DFT-s-OFDM QPSK	1@214	23.39	22.59	0.1816
25	15	40	379000	1895	DFT-s-OFDM 16 QAM	108@54	22.85	22.05	0.1603
25	15	40	379000	1895	DFT-s-OFDM 16 QAM	1@1	22.94	22.14	0.1637
25	15	40	379000	1895	DFT-s-OFDM 16 QAM	1@214	23	22.2	0.1660
25	15	40	379000	1895	DFT-s-OFDM 64 QAM	108@54	21.67	20.87	0.1222
25	15	40	379000	1895	DFT-s-OFDM 64 QAM	1@1	21.78	20.98	0.1253
25	15	40	379000	1895	DFT-s-OFDM 64 QAM	1@214	21.88	21.08	0.1282
25	15	40	379000	1895	DFT-s-OFDM 256 QAM	108@54	19.64	18.84	0.0766
25	15	40	379000	1895	DFT-s-OFDM 256 QAM	1@1	19.52	18.72	0.0745
25	15	40	379000	1895	DFT-s-OFDM 256 QAM	1@214	19.56	18.76	0.0752
25	15	40	379000	1895	CP-OFDM QPSK	108@54	22.66	21.86	0.1535
25	15	40	379000	1895	CP-OFDM QPSK	1@1	22.72	21.92	0.1556
25	15	40	379000	1895	CP-OFDM QPSK	1@214	22.4	21.6	0.1445



Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	11.6	PASS	NV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	13.1	PASS	LV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	10.9	PASS	HV
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	13.3	PASS	-30°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	11.9	PASS	-20°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	18.8	PASS	-10°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	15.2	PASS	0°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	11.6	PASS	10°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	14.5	PASS	20°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	11.8	PASS	30°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	10.8	PASS	40°C
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	14.4	PASS	50°C

|MAX(Δf)| = 18.8 Hz

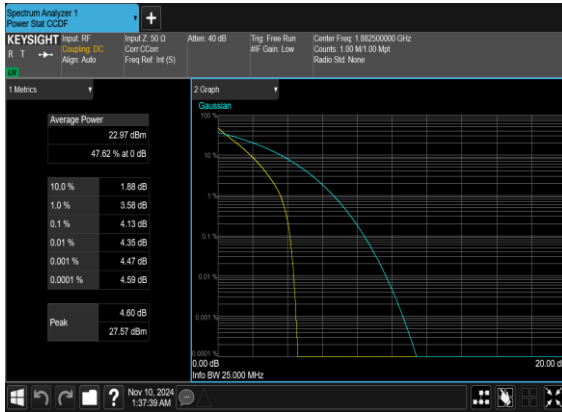
Frequency Stability	Frequency (MHz)	Limit Line	Result
fL - MAX(Δf)	1850.5495812	≥ 1850 MHz	PASS
fH + MAX(Δf)	1913.3733188	≤ 1915 MHz	



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	4.13	13	PASS
25	15	20	376500	1882.5	DFT-s-OFDM QPSK	100@0	5.45	13	PASS

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



N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



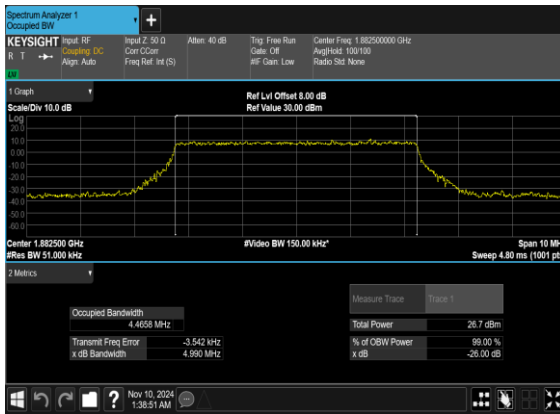


Occupied Bandwidth

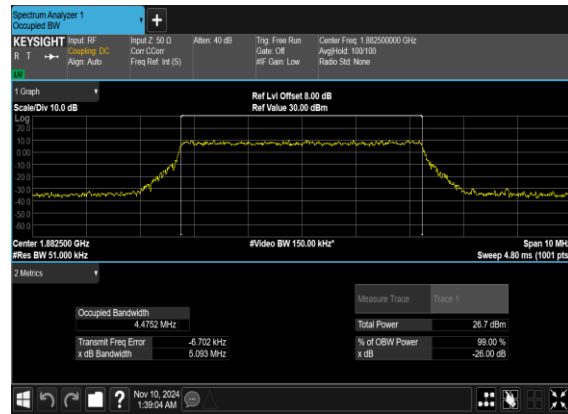
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
25	15	5	376500	1882.5	CP-OFDM QPSK	25@0	4.4658	4.99
25	15	5	376500	1882.5	CP-OFDM 16 QAM	25@0	4.4752	5.093
25	15	5	376500	1882.5	CP-OFDM 64 QAM	25@0	4.4691	4.988
25	15	5	376500	1882.5	CP-OFDM 256 QAM	25@0	4.4794	5.105
25	15	10	376500	1882.5	CP-OFDM QPSK	52@0	9.289	10.15
25	15	10	376500	1882.5	CP-OFDM 16 QAM	52@0	9.3151	9.943
25	15	10	376500	1882.5	CP-OFDM 64 QAM	52@0	9.2607	9.923
25	15	10	376500	1882.5	CP-OFDM 256 QAM	52@0	9.2991	10.07
25	15	15	376500	1882.5	CP-OFDM QPSK	79@0	14.091	14.9
25	15	15	376500	1882.5	CP-OFDM 16 QAM	79@0	14.09	14.94
25	15	15	376500	1882.5	CP-OFDM 64 QAM	79@0	14.099	14.89
25	15	15	376500	1882.5	CP-OFDM 256 QAM	79@0	14.095	14.95
25	15	20	376500	1882.5	CP-OFDM QPSK	106@0	18.915	19.88
25	15	20	376500	1882.5	CP-OFDM 16 QAM	106@0	18.941	19.93
25	15	20	376500	1882.5	CP-OFDM 64 QAM	106@0	18.892	19.82
25	15	20	376500	1882.5	CP-OFDM 256 QAM	106@0	18.935	19.89
25	15	25	376500	1882.5	CP-OFDM QPSK	133@0	23.729	24.78
25	15	25	376500	1882.5	CP-OFDM 16 QAM	133@0	23.785	24.76
25	15	25	376500	1882.5	CP-OFDM 64 QAM	133@0	23.797	24.74
25	15	25	376500	1882.5	CP-OFDM 256 QAM	133@0	23.771	24.78
25	15	30	376500	1882.5	CP-OFDM QPSK	160@0	28.603	29.55
25	15	30	376500	1882.5	CP-OFDM 16 QAM	160@0	28.577	29.62
25	15	30	376500	1882.5	CP-OFDM 64 QAM	160@0	28.519	29.6
25	15	30	376500	1882.5	CP-OFDM 256 QAM	160@0	28.534	29.61
25	15	35	376500	1882.5	CP-OFDM QPSK	188@0	33.509	34.69
25	15	35	376500	1882.5	CP-OFDM 16 QAM	188@0	33.547	34.77
25	15	35	376500	1882.5	CP-OFDM 64 QAM	188@0	33.517	34.74
25	15	35	376500	1882.5	CP-OFDM 256 QAM	188@0	33.536	34.71
25	15	40	376500	1882.5	CP-OFDM QPSK	216@0	38.549	39.96
25	15	40	376500	1882.5	CP-OFDM 16 QAM	216@0	38.512	39.89
25	15	40	376500	1882.5	CP-OFDM 64 QAM	216@0	38.505	39.96
25	15	40	376500	1882.5	CP-OFDM 256 QAM	216@0	38.571	39.93



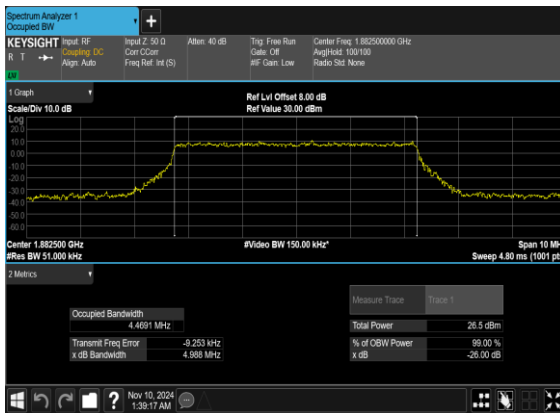
N25(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



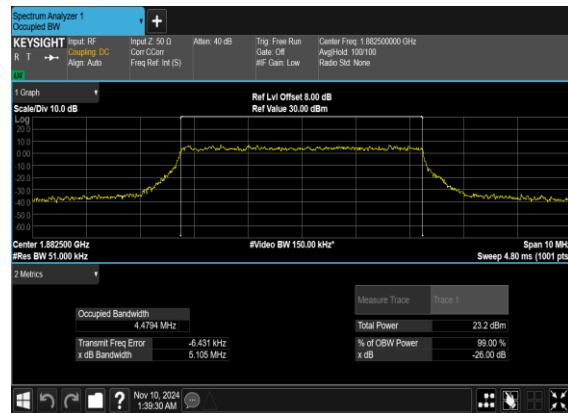
N25(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N25(5M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

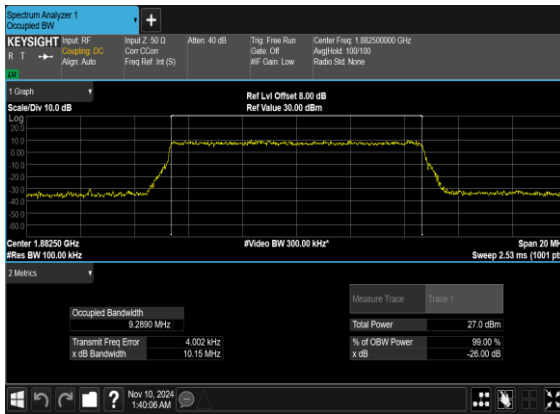


N25(5M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

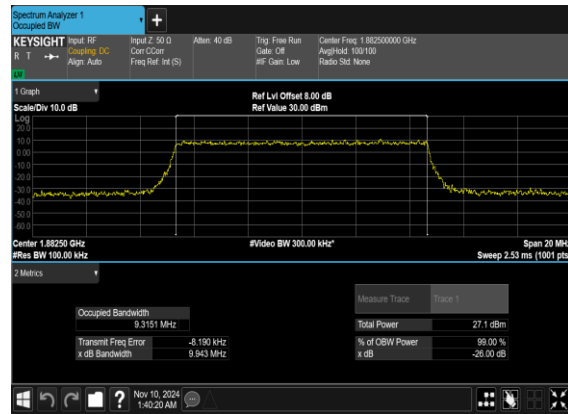




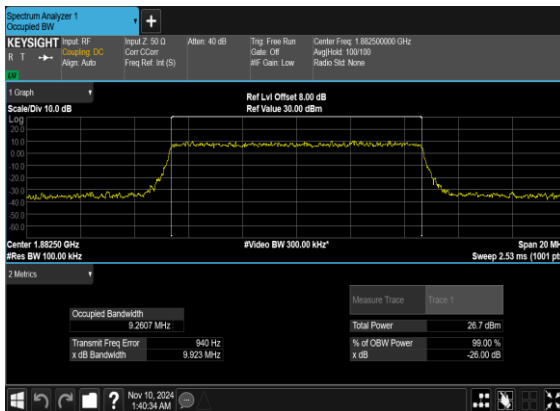
N25(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



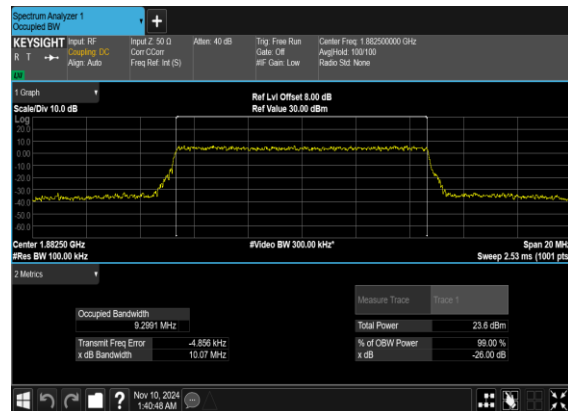
N25(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N25(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

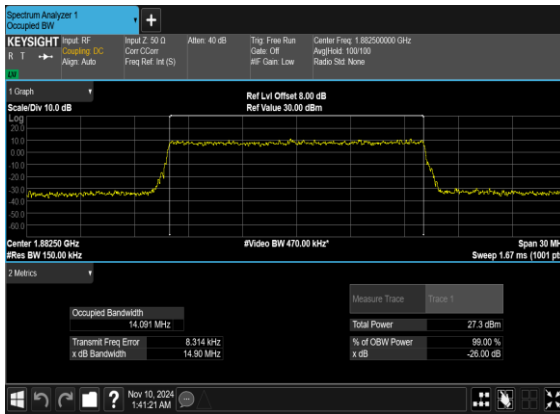


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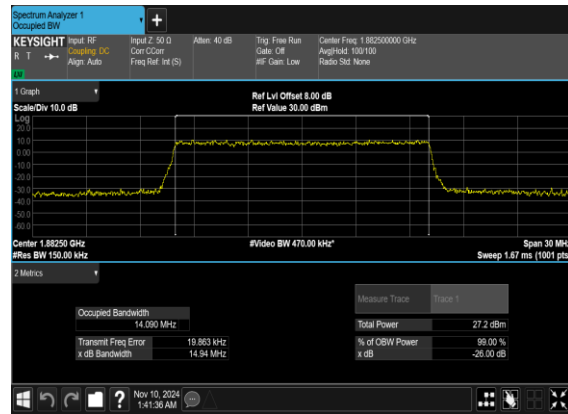




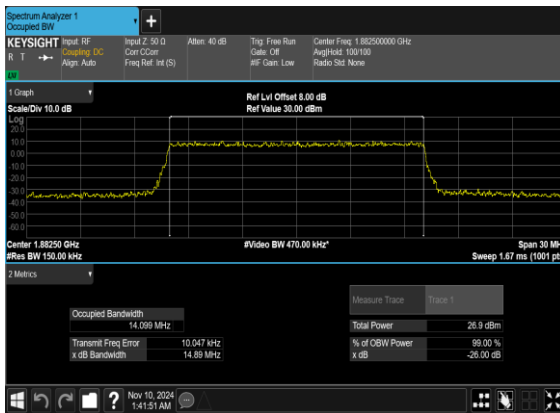
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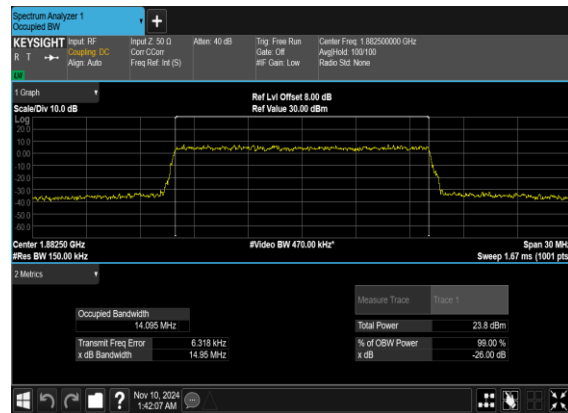
N25(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N25(15M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

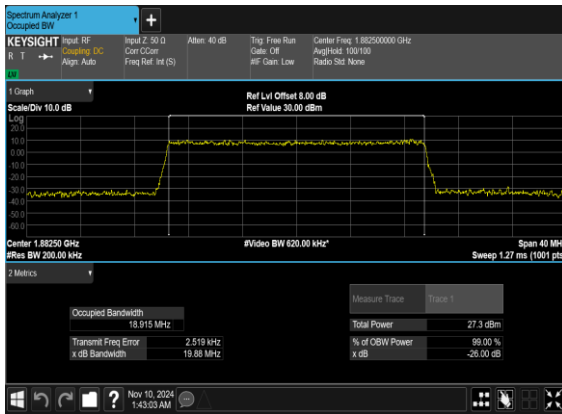


N25(15M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

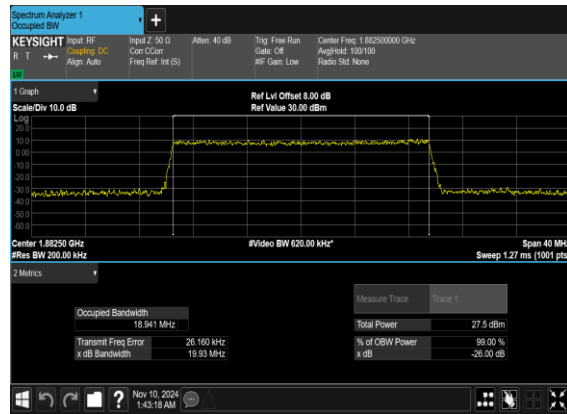




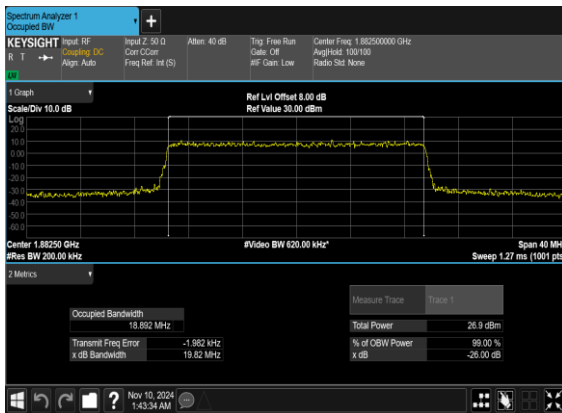
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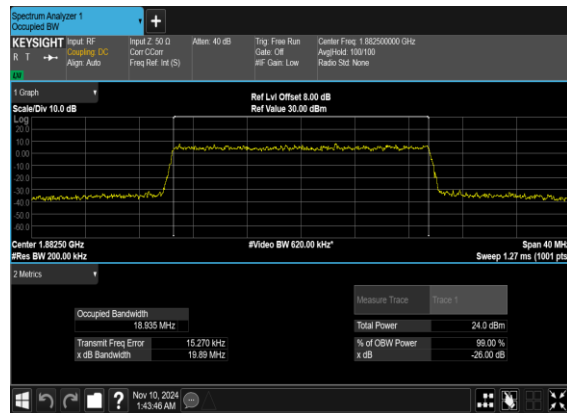
N25(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N25(20M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

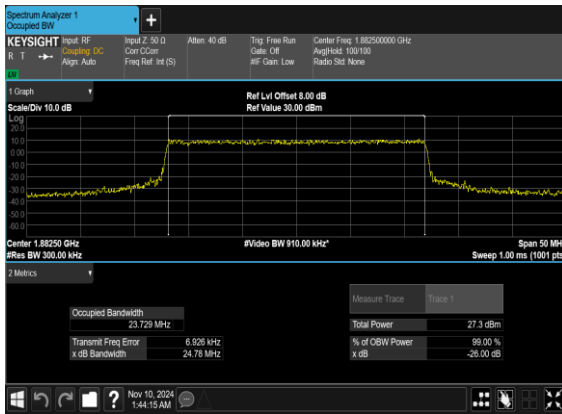


N25(20M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

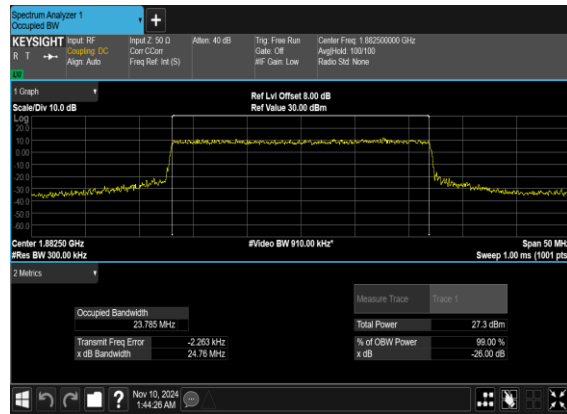




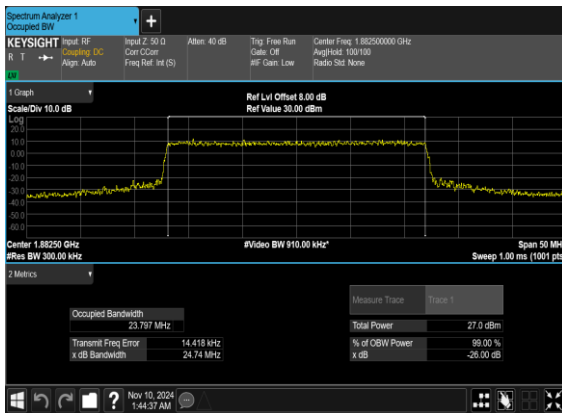
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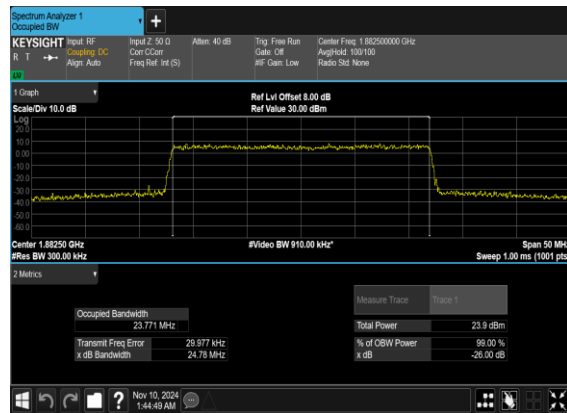
N25(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N25(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

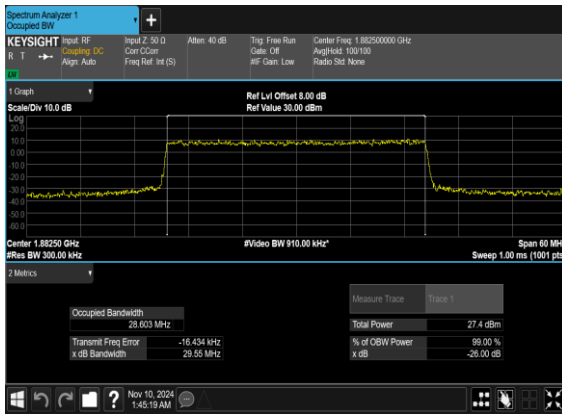


N25(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH





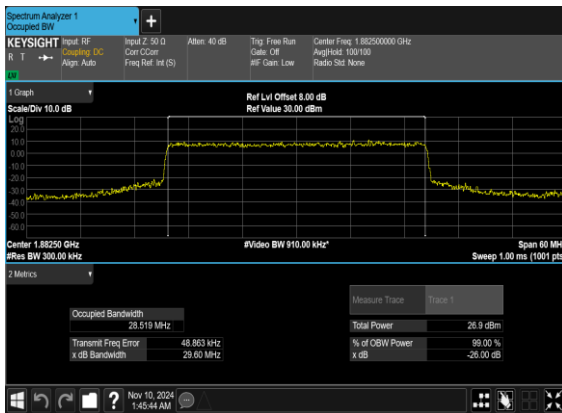
N25(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



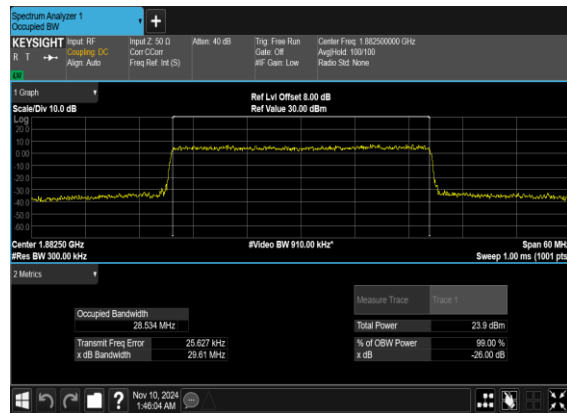
N25(30M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N25(30M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

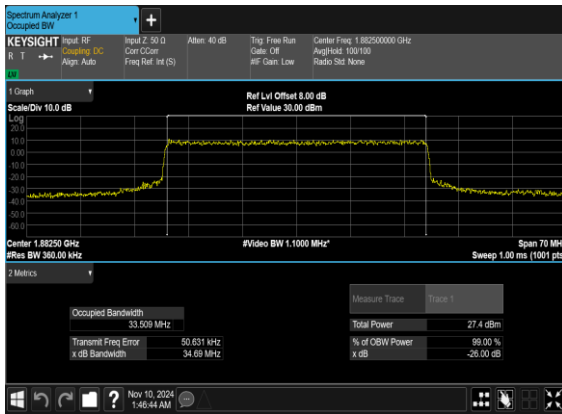


N25(30M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

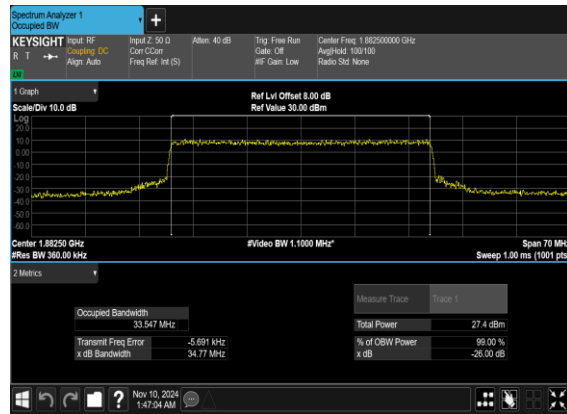




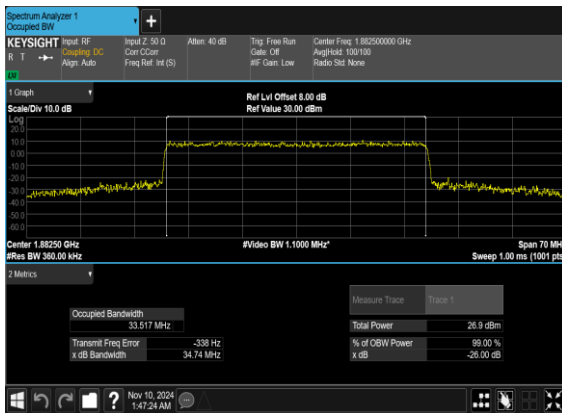
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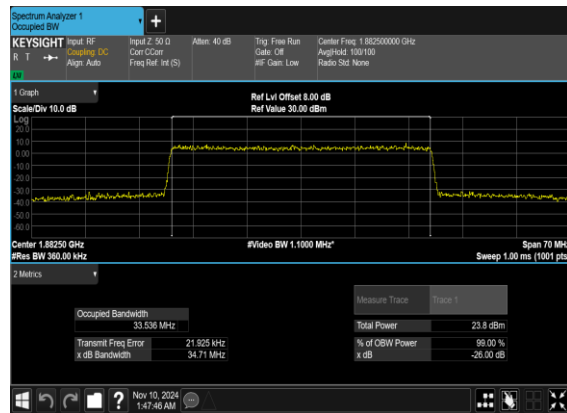
N25(35M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N25(35M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

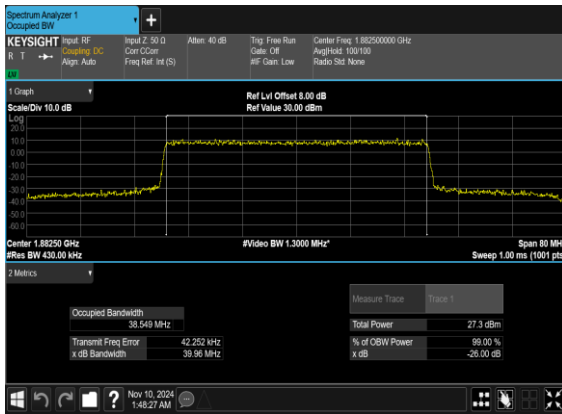


N25(35M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

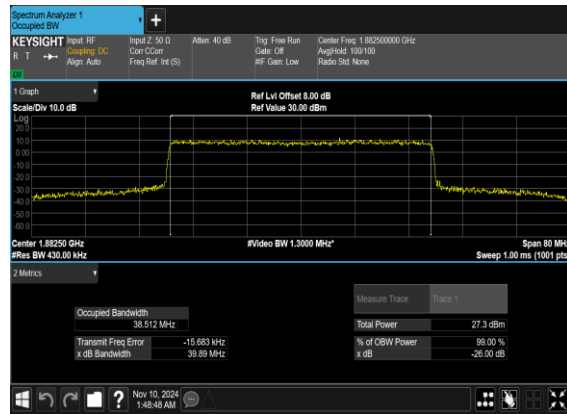




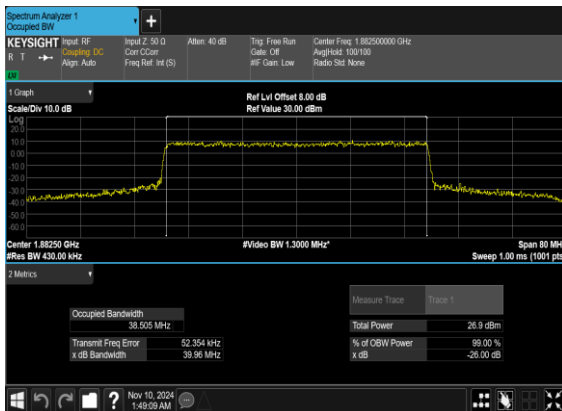
N25(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



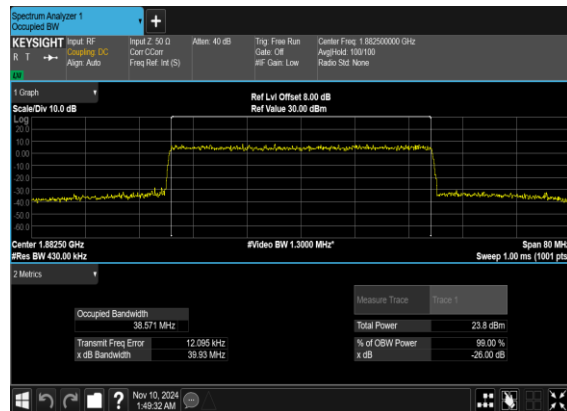
N25(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N25(40M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N25(40M)_CP-OFDM_256QAM_Outer_Full_Mid_CH





Conducted Spurious Emissions

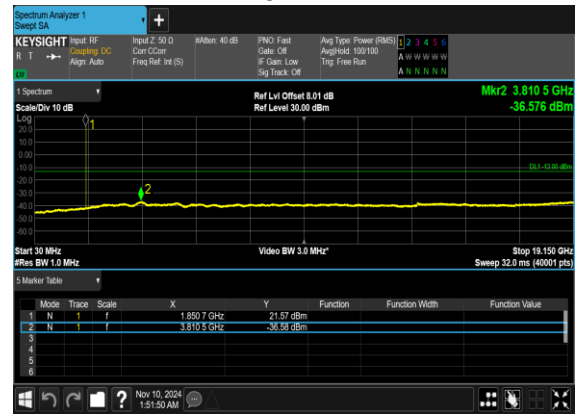
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	---
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	---
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	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



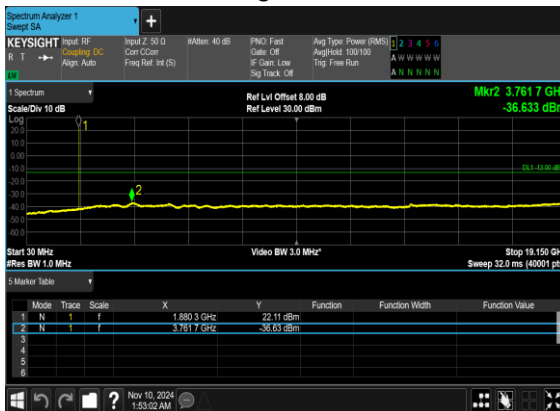
N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



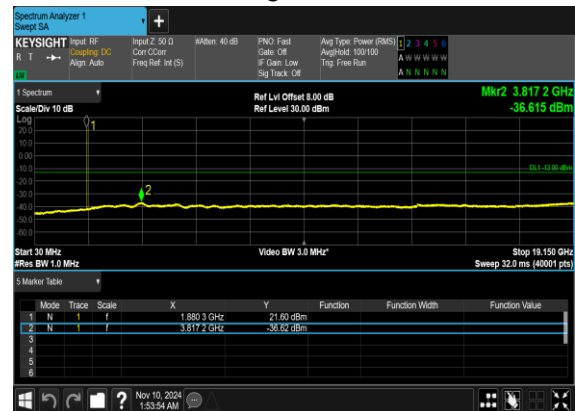
N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

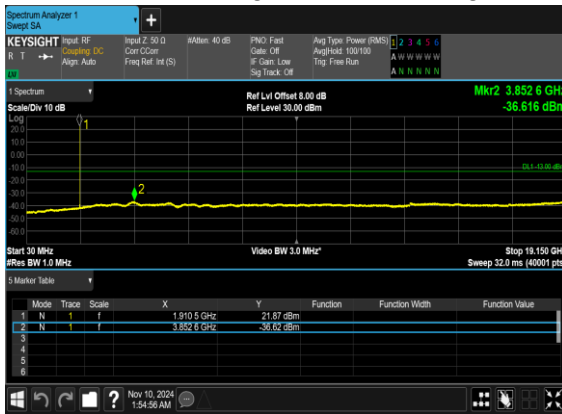


N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

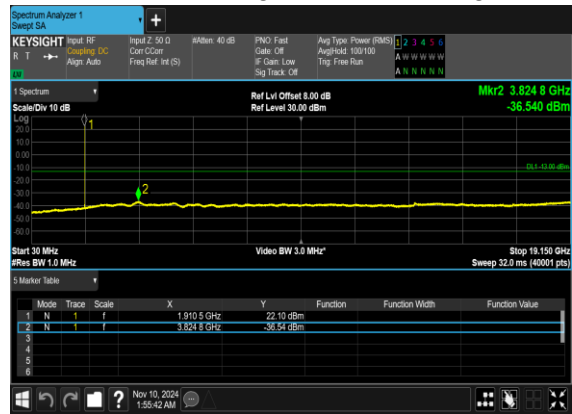




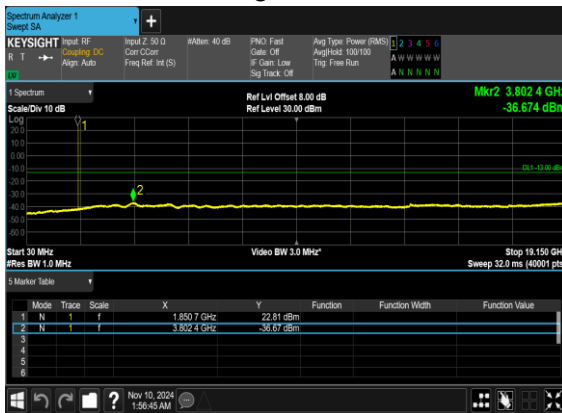
N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



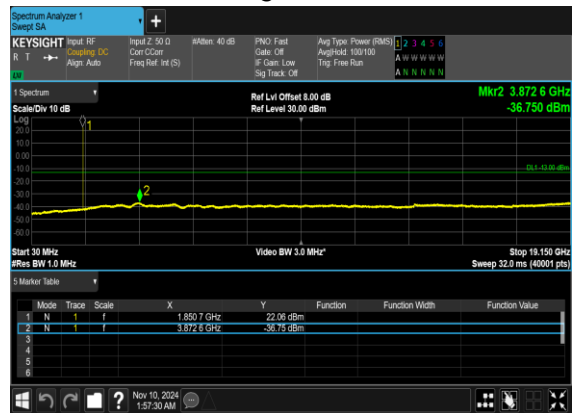
N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

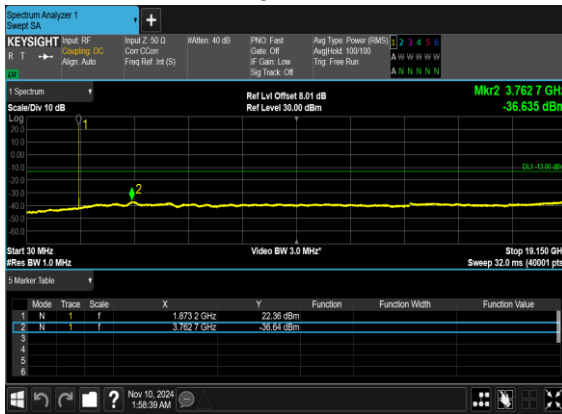


N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

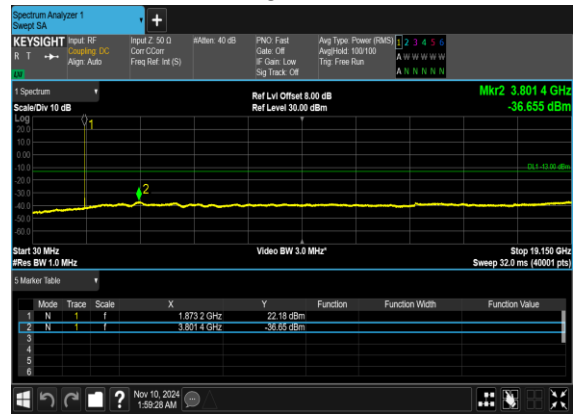




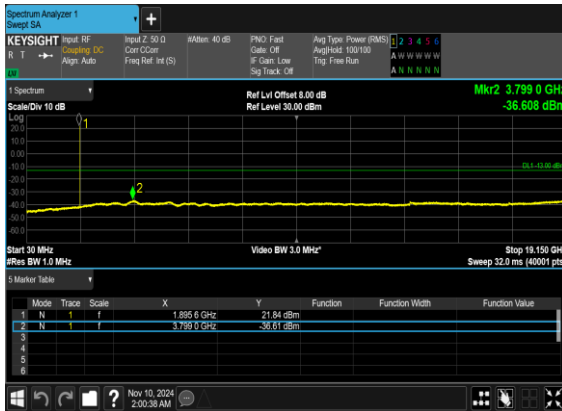
N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



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

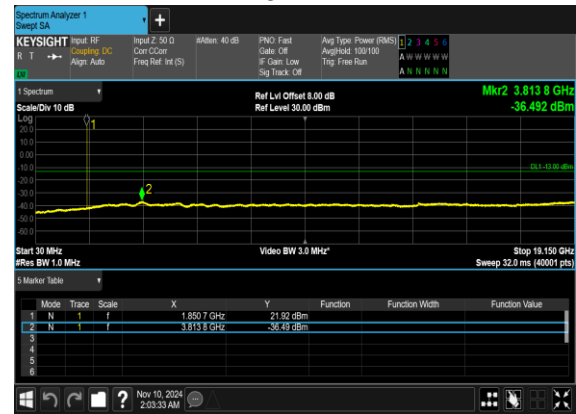




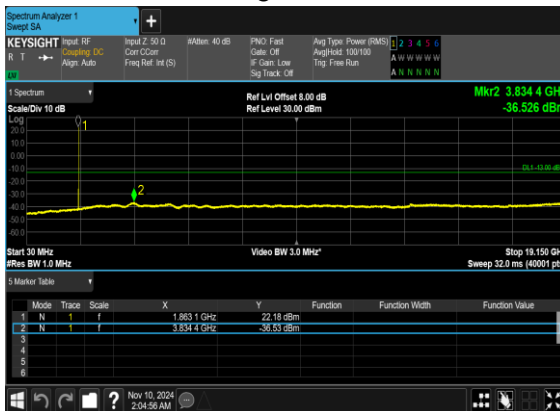
N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



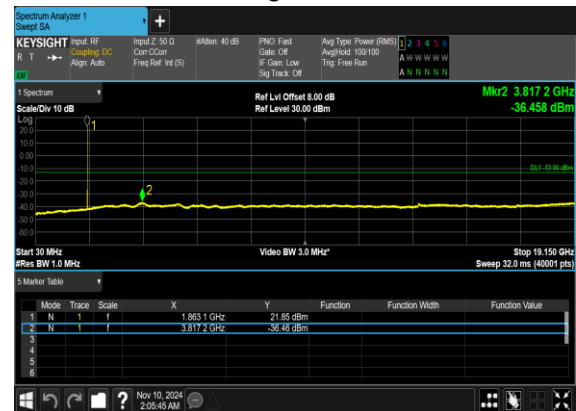
N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

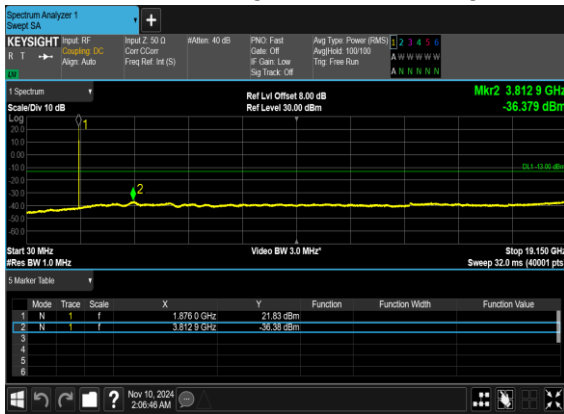


N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

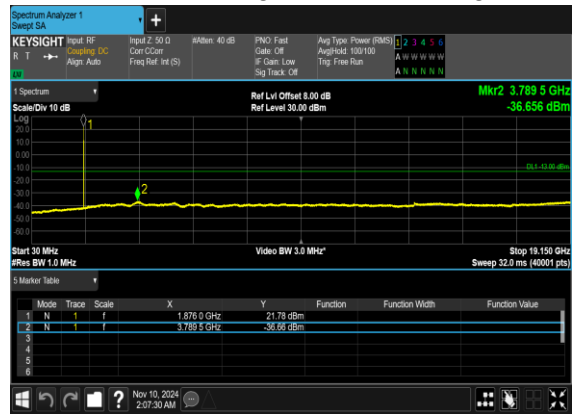




N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



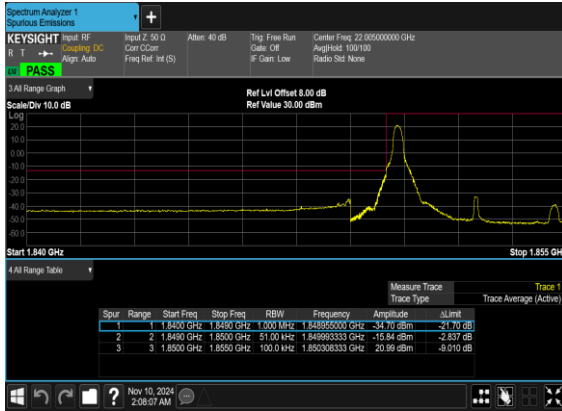


Conducted Band Edge

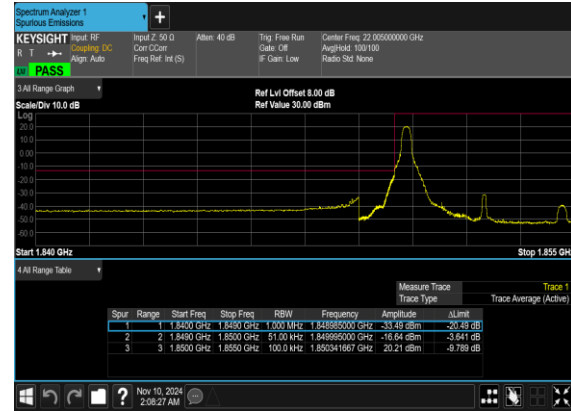
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
25	15	5	370500	1852.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
25	15	5	370500	1852.5	DFT-s-OFDM QPSK	25@0	see graph	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



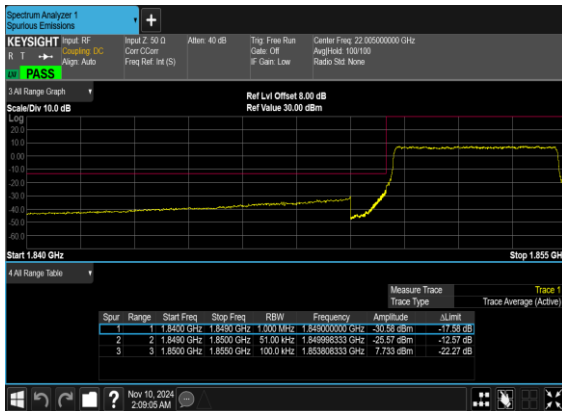
N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



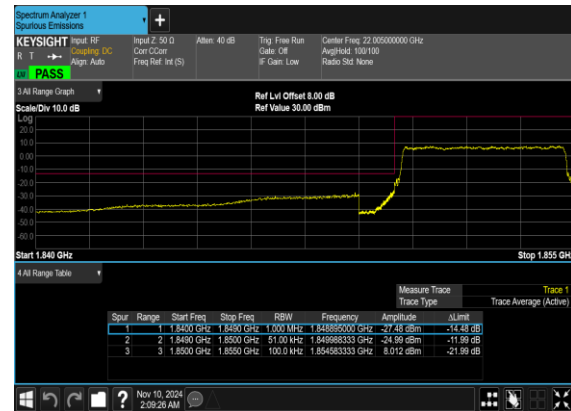
N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N25(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

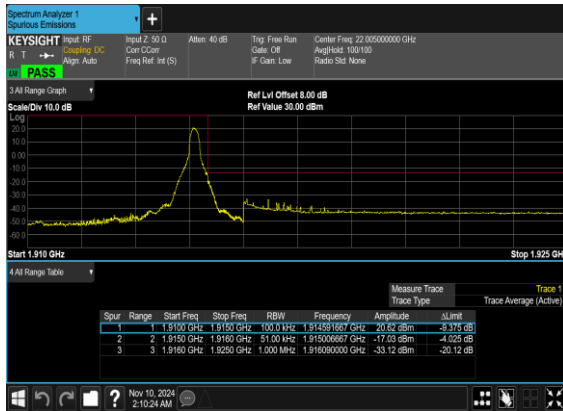


N25(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

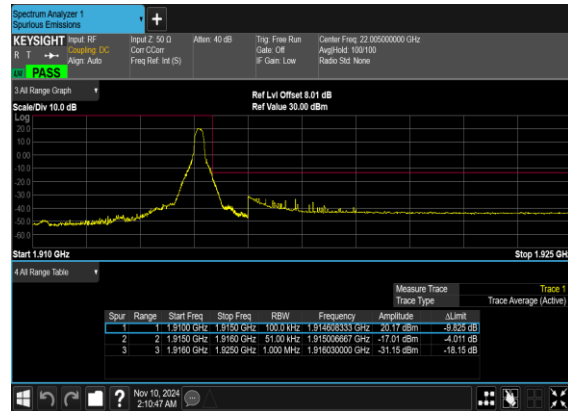




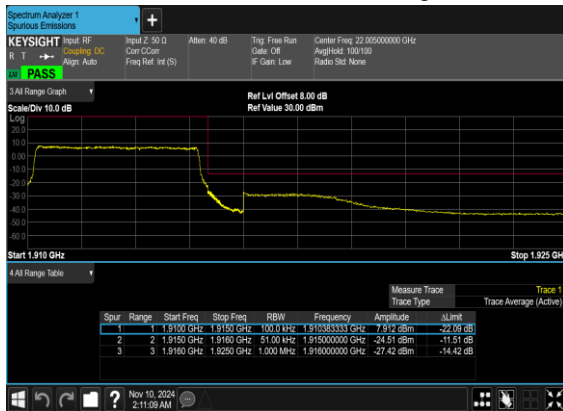
N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



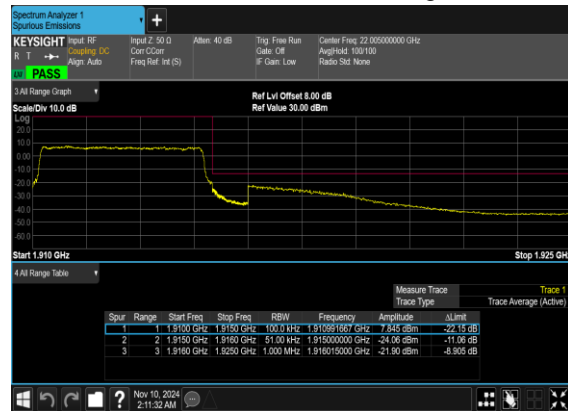
N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N25(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

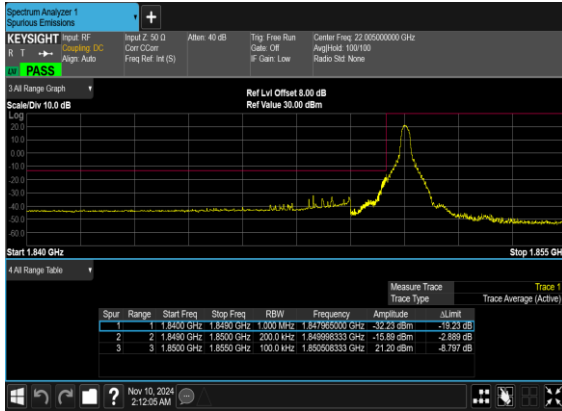


N25(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

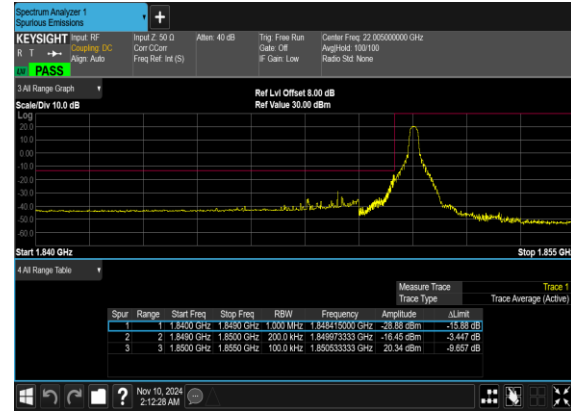




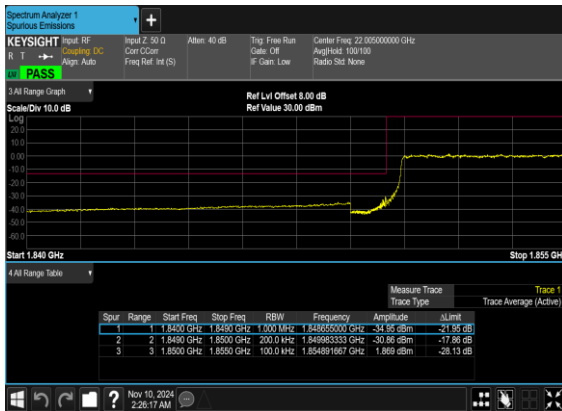
N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



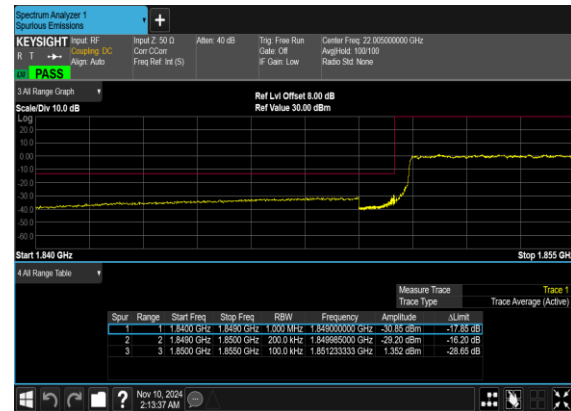
N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N25(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

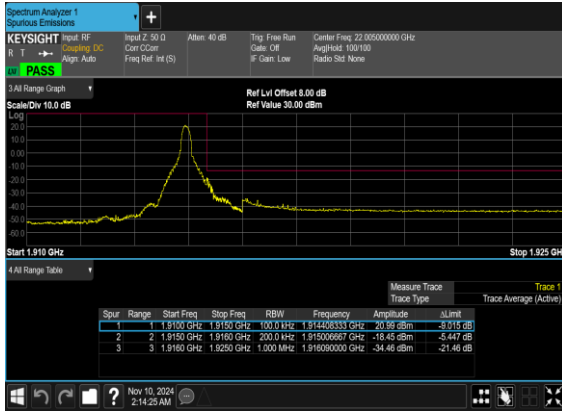


N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

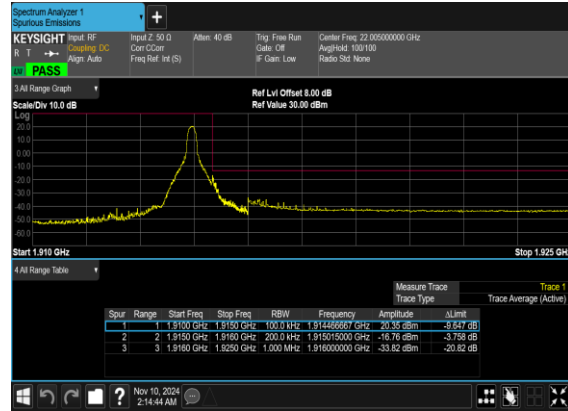




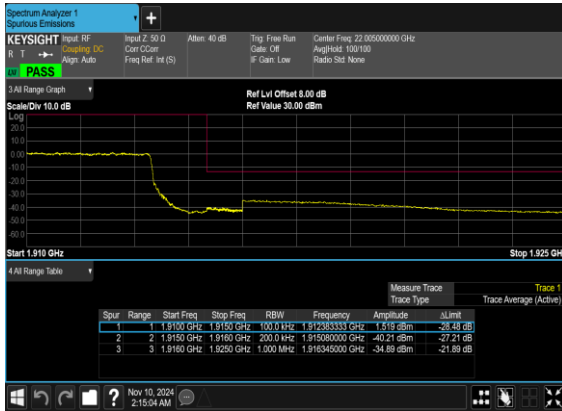
N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N25(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

