



FCC RF Test Report

APPLICANT : OnePlus Technology (Shenzhen) Co.,Ltd.
EQUIPMENT : Smart Phone
BRAND NAME : ONEPLUS
MODEL NAME : NE2217, NE2215
FCC ID : 2ABZ2-AA438
STANDARD : 47 CFR Part 2, 22, 24, 27
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Oct. 31, 2021 ~ Nov. 30, 2021

We, Sporton International (ShenZhen) Inc., 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 (ShenZhen) Inc., the test report shall not be reproduced except in full.

Reviewed by: Derreck Chen / Supervisor

Approved by: Eric Shih / Manager



Sporton International (ShenZhen) Inc.

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055
People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG1O1920G	Rev. 01	Initial issue of report	Dec. 17, 2021

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)	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		
	§27.50(j)(3)	Equivalent Isotropic Radiated Power (5G NR n77)	EIRP < 1Watt		
3.5	§24.232(d) §27.50(j)(4)	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) §27.53(l)(2)	Conducted Band Edge Measurement (5G NR n5) (5G NR n2, n25) (5G NR n66) (5G NR n77)	< 43+10log10(P[Watts])	PASS	-
3.8	§2.1051 §22.917(a) §24.238(a) §27.53(h) §27.53(l)(2)	Conducted Spurious Emission (5G NR n5) (5G NR n2, n25) (5G NR n66) (5G NR n77)	< 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) §27.53(l)(2)	Radiated Spurious Emission (5G NR n5) (5G NR n2, n25) (5G NR n66) (5G NR n77)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 35.52 dB at 15289.44 MHz

Declaration of Conformity:

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

Comments and Explanations:

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



1 General Description

1.1 Applicant

OnePlus Technology (Shenzhen) Co.,Ltd.

18C02, 18C03, 18C04, 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, China.

1.2 Manufacturer

OnePlus Technology (Shenzhen) Co.,Ltd.

18C02, 18C03, 18C04, 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, China.

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Smart Phone
Brand Name	ONEPLUS
Model Name	NE2217, NE2215
FCC ID	2ABZ2-AA438
IMEI Code	Conducted : 861679050031250 Radiation : 861679050034064
HW Version	11
SW Version	NE2217_11_A.02
EUT Stage	Production Unit

Remark:

Only 5G NR bands are tested in this report, all the other RF bands are tested in the other reports separately.

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 n66 : 1710 MHz ~ 1780 MHz 5G NR n77: 3700 MHz ~ 3980 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 n66 : 2110 MHz~ 2180 MHz 5G NR n77: 3700 MHz ~ 3980 MHz
SCS	n2, n5, n25, n66: 15kHz n77: 30kHz
Bandwidth	n2, n5: 5MHz / 10MHz / 15MHz / 20MHz n25: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 40MHz n66: 5MHz / 10MHz / 15MHz / 20MHz / 30MHz / 40MHz n77 : 20MHz / 30MHz / 40MHz / 60MHz / 80MHz / 100MHz
Antenna Gain	<Ant. 0> n5: -4.5 dBi <Ant. 1> n5: -4.0 dBi n66: -3.0 dBi <Ant. 2> n2: -3.0 dBi n25: -3.0 dBi n66: -3.0 dBi <Ant. 3> n2: -2.0 dBi n25: -2.0 dBi n66: -2.0 dBi <Ant. 5> n66: -3.0 dBi n77: -2.0 dBi <Ant. 6> n77: -2.0 dBi <Ant. 10> n77: -2.0 dBi <Ant. 13> n77: -2.0 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Note:

1. The maximum ERP/EIRP is calculated from max output power and antenna gain, only the maximum ERP/EIRP is shown in the report: 5G NR n5 for Ant. 1, n2/n25/n66 for Ant.3 and n77 for Ant.5.
2. 5G NR Bands support SA and NSA mode. The whole testing has assessed SA mode for n2 and NSA mode for n5/n25/n66/n77 by referring to the higher conducted power for conducted test items.
3. For NSA mode of all EN-DC combination, we only show the combination of the maximum power among all NSA combinations in the report.

4. The EN-DC mode combination could be referred to the product spec.
5. 5G NR n77 supports HPUE.

1.5 Modification of EUT

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

1.6 Maximum ERP/EIRP Power and Emission Designator

5G NR n2		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	1852.5 ~ 1907.5	0.1535	4M48G7D	0.1225	4M48W7D
10	1855.0 ~ 1905.0	0.1500	9M28G7D	0.1216	9M29W7D
15	1857.5 ~ 1902.5	0.1542	14M1G7D	0.1259	14M1W7D
20	1860.0 ~ 1900.0	0.1545	18M9G7D	0.1256	19M0W7D

5G NR n5 (EN DC_2A-n5A)		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	0.0621	4M48G7D	0.0500	4M48W7D
10	829.0 ~ 844.0	0.0617	9M28G7D	0.0502	9M28W7D
15	831.5 ~ 841.5	0.0635	14M1G7D	0.0511	14M1W7D
20	834.0 ~ 839.0	0.0650	18M9G7D	0.0513	18M9W7D

5G NR n25 (EN DC_12A-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	0.1371	4M48G7D	0.1151	4M48W7D
10	1855.0 ~ 1910.0	0.1365	9M28G7D	0.1117	9M29W7D
15	1857.5 ~ 1907.5	0.1429	14M1G7D	0.1189	14M1W7D
20	1860.0 ~ 1905.0	0.1409	18M9G7D	0.1180	19M0W7D
25	1862.5 ~ 1902.5	0.1652	23M7G7D	0.1330	23M7W7D
30	1865.0 ~ 1900.0	0.1660	28M6G7D	0.1327	28M6W7D
40	1870.0 ~ 1895.0	0.1663	38M5G7D	0.1321	38M6W7D



5G NR n66 (EN DC_5A-n66A)		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	1712.5 ~ 1777.5	0.1476	4M48G7D	0.1230	4M48W7D
10	1715.0 ~ 1775.0	0.1459	9M28G7D	0.1208	9M28W7D
15	1717.5 ~ 1772.5	0.1600	14M1G7D	0.1377	14M1W7D
20	1720.0 ~ 1770.0	0.1652	18M9G7D	0.1377	18M9W7D
30	1725.0 ~ 1765.0	0.1510	28M6G7D	0.1247	28M6W7D
40	1730.0 ~ 1760.0	0.1535	38M5G7D	0.1429	38M5W7D

5G NR n77 (EN DC_5A-n77A)		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)
20	3710.01 ~ 3969.99	0.2754	18M2G7D	0.2286	18M2W7D
30	3715.02 ~ 3964.98	0.2748	27M8G7D	0.2213	27M8W7D
40	3720.00 ~ 3960.00	0.2831	37M8G7D	0.2286	38M0W7D
60	3730.02 ~ 3949.98	0.2667	58M0G7D	0.2163	57M8W7D
80	3740.01 ~ 3939.99	0.2600	77M4G7D	0.2123	77M5W7D
100	3750.00 ~ 3930.00	0.2851	97M4G7D	0.2118	97M6W7D

Note:

1. 5G NR Band n25 overlaps the entire frequency range of Band n2. Therefore, the test results provided in this report covers Band n25 as well as Band n2.
2. All modulations have been tested, only the worst test results of PSK & QAM are shown in the report.

1.7 Testing Location

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

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

Test Firm	Sporton International (Shenzhen) Inc.		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH02-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH02-SZ	AUDIX	E3	6.2009-8-24a

1.9 Applicable Standards

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

- ♦ 47 CFR Part 2, 22, 24, 27
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

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

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

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

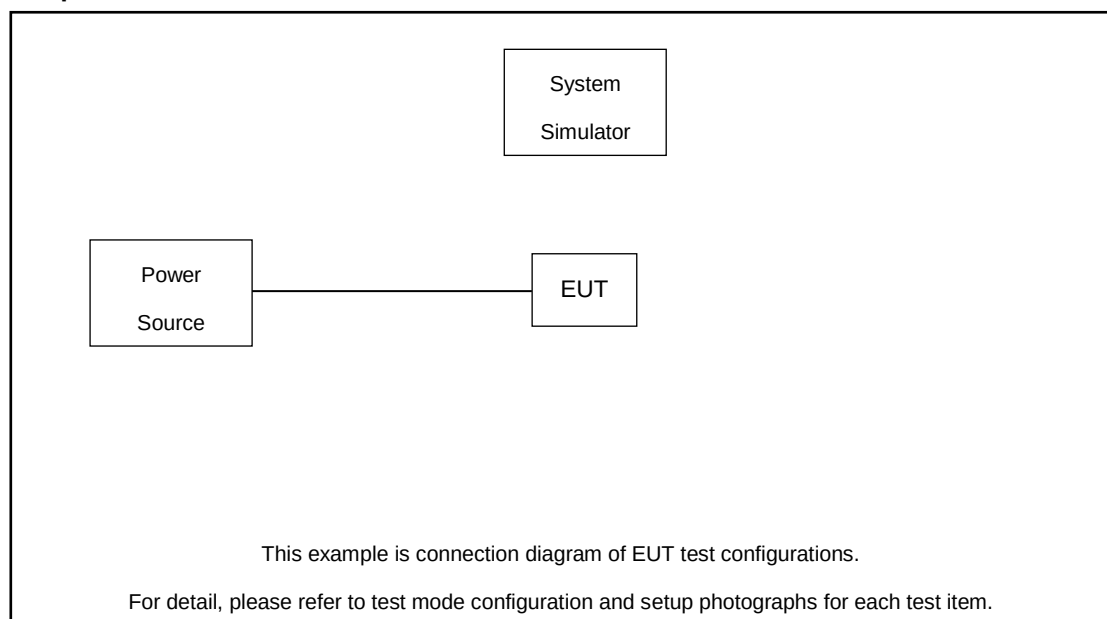
Test Items	5G NR	Bandwidth (MHz)										Modulation					RB #		Test Channel		
		5	10	15	20	25	30	40	60	80	100	PI/2 BPSK	QPSK	16QAM	64QAM	256 QAM	1	Full	L	M	H
Max. Output Power	n2	v	v	v	v	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n5	v	v	v	v	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n25	v	v	v	v	v	v	v	-	-	-	v	v	v	v	v	v	v	v	v	v
	n66	v	v	v	v	-	v	v	-	-	-	v	v	v	v	v	v	v	v	v	v
	n77	-	-	-	v	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	n5				v	-	-	-	-	-	-	v	v				v	v	v	v	v
	n25				v				-	-	-	v	v				v	v	v	v	v
	n66				v	-			-	-	-	v	v				v	v	v	v	v
	n77	-	-	-	v	-						v	v				v	v	v	v	v
26dB and 99% Bandwidth	n5	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	
	n66	v	v	v	v	-	v	v	-	-	-	v	v	v	v	v		v		v	
	n77	-	-	-	v	-	v	v	v	v	v	v	v	v	v	v		v		v	
Conducted Band Edge	n5	v	v		v	-	-	-	-	-	-	v	v				v	v	v		v
	n25	v			v			v	-	-	-	v	v				v	v	v		v
	n66	v			v	-		v	-	-	-	v	v				v	v	v		v
	n77	-	-	-	v	-			v		v	v	v				v	v	v		v



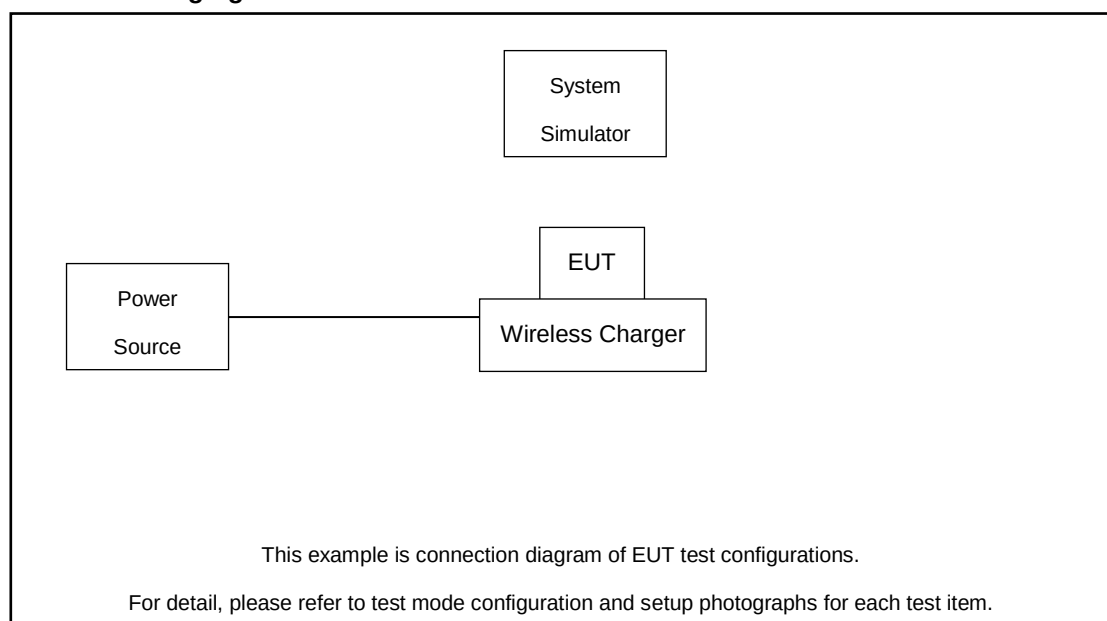
Test Items	5G NR	Bandwidth (MHz)										Modulation					RB #		Test Channel		
		5	10	15	20	25	30	40	60	80	100	PI/2 BPSK	QPSK	16QAM	64QAM	256 QAM	1	Full	L	M	H
Conducted Spurious Emission	n5	v	v		v	-	-	-	-	-	-	v	v				v		v	v	v
	n25	v			v			v	-	-	-	v	v				v		v	v	v
	n66	v			v	-		v	-	-	-	v	v				v		v	v	v
	n77	-	-	-	v	-			v		v	v	v				v		v	v	v
Frequency Stability	n5				v	-	-	-	-	-	-		v					v		v	
	n25				v				-	-	-		v					v		v	
	n66				v	-			-	-	-		v					v		v	
	n77	-	-	-	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
	n66	v	v	v	v	-	v	v	-	-	-	v	v	v	v	v	v	v	v	v	v
	n77	-	-	-	v	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	n5	Worst Case																		v	
	n25	Worst Case																		v	
	n66	Worst Case																		v	
	n77	Worst Case																		v	
Note	1. The mark “v ” means that this configuration is chosen for testing 2. The mark “-” means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. Based on engineering evaluation, only the worst modulation test results are shown in the report.																				

2.2 Connection Diagram of Test System

Adapter Mode:



Wireless Charging Mode:



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

The spectrum analyzer offset is derived from RF cable loss.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 5.1 dB.

Example :

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} \\ &= 5.1 \text{ (dB)}\end{aligned}$$

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	388000	392000	396000
	Frequency	1860	1880	1900
15	Channel	387500	392000	396500
	Frequency	1857.5	1880	1902.5
10	Channel	387000	392000	397000
	Frequency	1855	1880	1905
5	Channel	386500	392000	397500
	Frequency	1852.5	1880	1907.5

5G NR n5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	175800	176300	176800
	Frequency	834	836.5	839
15	Channel	175300	176300	177300
	Frequency	831.5	836.5	841.5
10	Channel	174800	176300	177800
	Frequency	829	836.5	844
5	Channel	174300	176300	178300
	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	388000	392500	397000
	Frequency	1860	1882.5	1905
15	Channel	387500	392500	397500
	Frequency	1857.5	1882.5	1907.5
10	Channel	387000	392500	398000
	Frequency	1855	1882.5	1910
5	Channel	386500	392500	398500
	Frequency	1852.5	1882.5	1912.5

5G NR n66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	426000	429000	432000
	Frequency	1730	1745	1760
30	Channel	425000	429000	433000
	Frequency	1725	1745	1765
20	Channel	424000	429000	434000
	Frequency	1720	1745	1770
15	Channel	423500	429000	434500
	Frequency	1717.5	1745	1772.5
10	Channel	423000	429000	435000
	Frequency	1715	1745	1775
5	Channel	422500	429000	435500
	Frequency	1712.5	1745	1777.5



5G NR n77 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	650000	656000	662000
	Frequency	3750	3840	3930
80	Channel	649334	656000	662666
	Frequency	3740.01	3840	3939.99
60	Channel	648668	656000	663332
	Frequency	3730.02	3840	3949.98
40	Channel	648000	656000	664000
	Frequency	3720	3840	3960
30	Channel	647668	656000	664332
	Frequency	3715.02	3840	3964.98
20	Channel	647334	656000	664666
	Frequency	3710.01	3840	3969.99

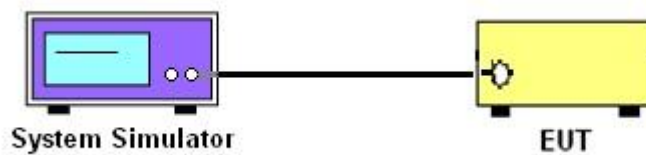
3 Conducted Test Items

3.1 Measuring Instruments

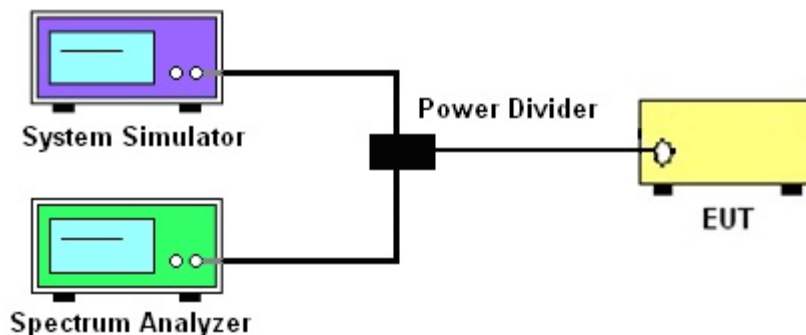
See list of measuring instruments of this test report.

3.2 Test Setup

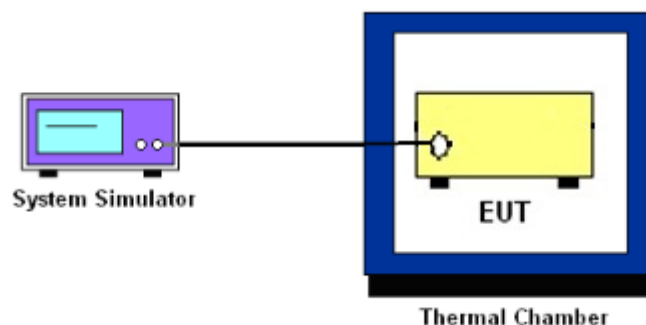
3.2.1 Conducted Output Power



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.

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

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n66 and n77.

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.

27.53(l)(2)

For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.

3.7.2 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.
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)

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

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

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

3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

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

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

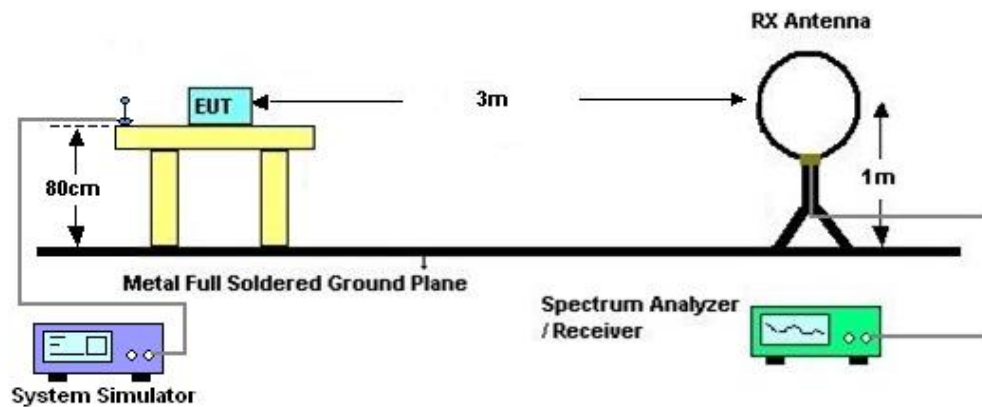
4 Radiated Test Items

4.1 Measuring Instruments

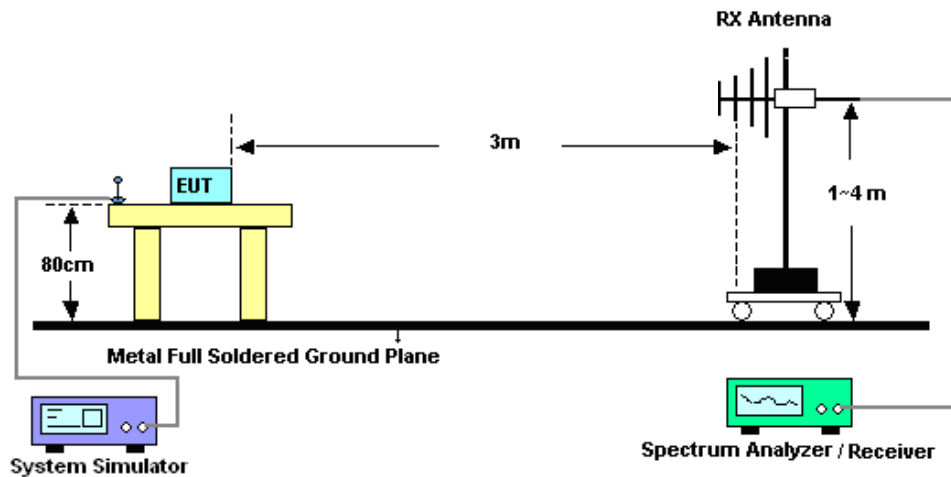
See list of measuring instruments of this test report.

4.2 Test Setup

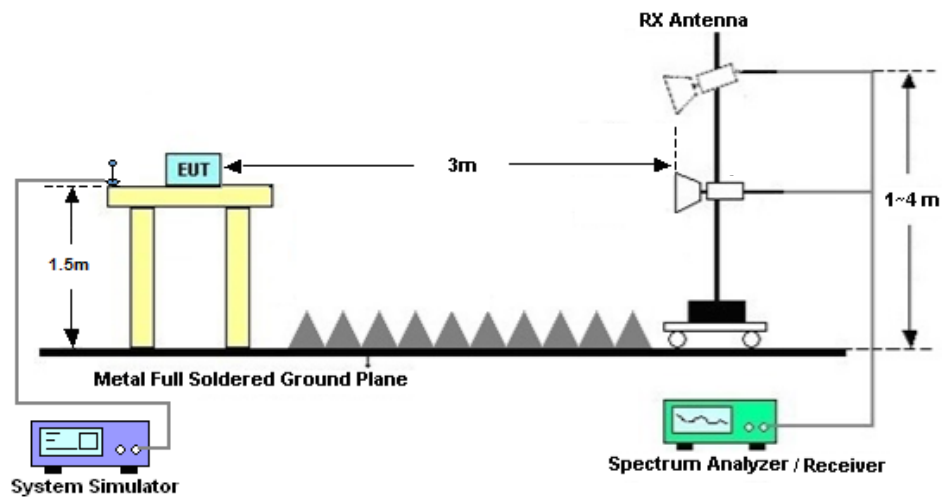
4.2.1 For radiated test below 30MHz



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
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 08, 2021	Oct. 31, 2021~ Nov. 09, 2021	Apr. 07, 2022	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 26, 2020	Oct. 31, 2021~ Nov. 09, 2021	Dec. 25, 2021	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 14, 2021	Oct. 31, 2021~ Nov. 09, 2021	Jul. 13, 2022	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V , 3A	Oct. 25, 2021	Oct. 31, 2021~ Nov. 09, 2021	Oct. 24, 2022	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 13, 2021	Nov. 30, 2021	Jul. 13, 2022	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2020	Nov. 30, 2021	Jun. 21, 2022	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz~2GHz	Jul. 15, 2021	Nov. 30, 2021	Jul. 14, 2022	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 25, 2021	Nov. 30, 2021	Jul. 24, 2022	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 13, 2021	Nov. 30, 2021	Jul. 13, 2022	Radiation (03CH02-SZ)
LF Amplifier	Bur35407geon	BPA-530	102211	0.01~3000Mhz	Oct. 22, 2021	Nov. 30, 2021	Oct. 21, 2022	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 22, 2021	Nov. 30, 2021	Oct. 21, 2022	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz~40GHz	Apr. 11, 2021	Nov. 30, 2021	Apr. 10, 2022	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010002470	N/A	NCR	Nov. 30, 2021	NCR	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Nov. 30, 2021	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Nov. 30, 2021	NCR	Radiation (03CH02-SZ)

NCR: No Calibration Required

6 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage $K=2$ to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.47dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.31dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.72dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Jason Zhang	Temperature :	24~26°C
		Relative Humidity :	50~53%

FR1 N2(ANT3)

Conducted Power and EIRP

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
2	15	5	386500	1852.5	DFT-s-OFDM PI/2 BPSK	12@6	22.3	20.3	0.1072
2	15	5	386500	1852.5	DFT-s-OFDM PI/2 BPSK	1@1	22.23	20.23	0.1054
2	15	5	386500	1852.5	DFT-s-OFDM PI/2 BPSK	1@23	22.14	20.14	0.1033
2	15	5	386500	1852.5	DFT-s-OFDM QPSK	12@6	23.83	21.83	0.1524
2	15	5	386500	1852.5	DFT-s-OFDM QPSK	1@1	23.86	21.86	0.1535
2	15	5	386500	1852.5	DFT-s-OFDM QPSK	1@23	23.67	21.67	0.1469
2	15	5	386500	1852.5	DFT-s-OFDM 16 QAM	12@6	22.67	20.67	0.1167
2	15	5	386500	1852.5	DFT-s-OFDM 16 QAM	1@1	22.88	20.88	0.1225
2	15	5	386500	1852.5	DFT-s-OFDM 16 QAM	1@23	22.81	20.81	0.1205
2	15	5	386500	1852.5	DFT-s-OFDM 64 QAM	12@6	21.26	19.26	0.0843
2	15	5	386500	1852.5	DFT-s-OFDM 64 QAM	1@1	21.33	19.33	0.0857
2	15	5	386500	1852.5	DFT-s-OFDM 64 QAM	1@23	21.2	19.2	0.0832
2	15	5	386500	1852.5	DFT-s-OFDM 256 QAM	12@6	19.13	17.13	0.0516
2	15	5	386500	1852.5	DFT-s-OFDM 256 QAM	1@1	19.02	17.02	0.0504
2	15	5	386500	1852.5	DFT-s-OFDM 256 QAM	1@23	18.98	16.98	0.0499
2	15	5	386500	1852.5	CP-OFDM QPSK	13@6	22.25	20.25	0.1059
2	15	5	386500	1852.5	CP-OFDM QPSK	1@1	22.18	20.18	0.1042
2	15	5	386500	1852.5	CP-OFDM QPSK	1@23	22.08	20.08	0.1019
2	15	5	392000	1880	DFT-s-OFDM PI/2 BPSK	12@6	22.22	20.22	0.1052
2	15	5	392000	1880	DFT-s-OFDM PI/2 BPSK	1@1	22.19	20.19	0.1045
2	15	5	392000	1880	DFT-s-OFDM PI/2 BPSK	1@23	22.14	20.14	0.1033
2	15	5	392000	1880	DFT-s-OFDM QPSK	12@6	23.63	21.63	0.1455
2	15	5	392000	1880	DFT-s-OFDM QPSK	1@1	23.75	21.75	0.1496
2	15	5	392000	1880	DFT-s-OFDM QPSK	1@23	23.48	21.48	0.1406
2	15	5	392000	1880	DFT-s-OFDM 16 QAM	12@6	22.55	20.55	0.1135
2	15	5	392000	1880	DFT-s-OFDM 16 QAM	1@1	22.76	20.76	0.1191
2	15	5	392000	1880	DFT-s-OFDM 16 QAM	1@23	22.66	20.66	0.1164
2	15	5	392000	1880	DFT-s-OFDM 64 QAM	12@6	21.26	19.26	0.0843
2	15	5	392000	1880	DFT-s-OFDM 64 QAM	1@1	21.28	19.28	0.0847

2	15	5	392000	1880	DFT-s-OFDM 64 QAM	1@23	21.26	19.26	0.0843
2	15	5	392000	1880	DFT-s-OFDM 256 QAM	12@6	19.2	17.2	0.0525
2	15	5	392000	1880	DFT-s-OFDM 256 QAM	1@1	18.95	16.95	0.0495
2	15	5	392000	1880	DFT-s-OFDM 256 QAM	1@23	18.96	16.96	0.0497
2	15	5	392000	1880	CP-OFDM QPSK	13@6	22.16	20.16	0.1038
2	15	5	392000	1880	CP-OFDM QPSK	1@1	22.08	20.08	0.1019
2	15	5	392000	1880	CP-OFDM QPSK	1@23	22.09	20.09	0.1021
2	15	5	397500	1907.5	DFT-s-OFDM PI/2 BPSK	12@6	22.36	20.36	0.1086
2	15	5	397500	1907.5	DFT-s-OFDM PI/2 BPSK	1@1	22.21	20.21	0.1050
2	15	5	397500	1907.5	DFT-s-OFDM PI/2 BPSK	1@23	21.94	19.94	0.0986
2	15	5	397500	1907.5	DFT-s-OFDM QPSK	12@6	23.63	21.63	0.1455
2	15	5	397500	1907.5	DFT-s-OFDM QPSK	1@1	23.62	21.62	0.1452
2	15	5	397500	1907.5	DFT-s-OFDM QPSK	1@23	23.51	21.51	0.1416
2	15	5	397500	1907.5	DFT-s-OFDM 16 QAM	12@6	22.48	20.48	0.1117
2	15	5	397500	1907.5	DFT-s-OFDM 16 QAM	1@1	22.74	20.74	0.1186
2	15	5	397500	1907.5	DFT-s-OFDM 16 QAM	1@23	22.58	20.58	0.1143
2	15	5	397500	1907.5	DFT-s-OFDM 64 QAM	12@6	21.14	19.14	0.0820
2	15	5	397500	1907.5	DFT-s-OFDM 64 QAM	1@1	21.22	19.22	0.0836
2	15	5	397500	1907.5	DFT-s-OFDM 64 QAM	1@23	21.14	19.14	0.0820
2	15	5	397500	1907.5	DFT-s-OFDM 256 QAM	12@6	19	17	0.0501
2	15	5	397500	1907.5	DFT-s-OFDM 256 QAM	1@1	18.87	16.87	0.0486
2	15	5	397500	1907.5	DFT-s-OFDM 256 QAM	1@23	18.75	16.75	0.0473
2	15	5	397500	1907.5	CP-OFDM QPSK	13@6	22.13	20.13	0.1030
2	15	5	397500	1907.5	CP-OFDM QPSK	1@1	22.16	20.16	0.1038
2	15	5	397500	1907.5	CP-OFDM QPSK	1@23	21.98	19.98	0.0995
2	15	10	387000	1855	DFT-s-OFDM PI/2 BPSK	25@12	22.22	20.22	0.1052
2	15	10	387000	1855	DFT-s-OFDM PI/2 BPSK	1@1	22.18	20.18	0.1042
2	15	10	387000	1855	DFT-s-OFDM PI/2 BPSK	1@50	22.1	20.1	0.1023
2	15	10	387000	1855	DFT-s-OFDM QPSK	25@12	23.73	21.73	0.1489
2	15	10	387000	1855	DFT-s-OFDM QPSK	1@1	23.7	21.7	0.1479
2	15	10	387000	1855	DFT-s-OFDM QPSK	1@50	23.59	21.59	0.1442
2	15	10	387000	1855	DFT-s-OFDM 16 QAM	25@12	22.72	20.72	0.1180
2	15	10	387000	1855	DFT-s-OFDM 16 QAM	1@1	22.85	20.85	0.1216
2	15	10	387000	1855	DFT-s-OFDM 16 QAM	1@50	22.75	20.75	0.1189

2	15	10	387000	1855	DFT-s-OFDM 64 QAM	25@12	21.31	19.31	0.0853
2	15	10	387000	1855	DFT-s-OFDM 64 QAM	1@1	21.32	19.32	0.0855
2	15	10	387000	1855	DFT-s-OFDM 64 QAM	1@50	21.27	19.27	0.0845
2	15	10	387000	1855	DFT-s-OFDM 256 QAM	25@12	19.15	17.15	0.0519
2	15	10	387000	1855	DFT-s-OFDM 256 QAM	1@1	18.96	16.96	0.0497
2	15	10	387000	1855	DFT-s-OFDM 256 QAM	1@50	18.9	16.9	0.0490
2	15	10	387000	1855	CP-OFDM QPSK	26@13	22.19	20.19	0.1045
2	15	10	387000	1855	CP-OFDM QPSK	1@1	22.19	20.19	0.1045
2	15	10	387000	1855	CP-OFDM QPSK	1@50	22.25	20.25	0.1059
2	15	10	392000	1880	DFT-s-OFDM PI/2 BPSK	25@12	22.22	20.22	0.1052
2	15	10	392000	1880	DFT-s-OFDM PI/2 BPSK	1@1	22.18	20.18	0.1042
2	15	10	392000	1880	DFT-s-OFDM PI/2 BPSK	1@50	22.12	20.12	0.1028
2	15	10	392000	1880	DFT-s-OFDM QPSK	25@12	23.66	21.66	0.1466
2	15	10	392000	1880	DFT-s-OFDM QPSK	1@1	23.76	21.76	0.1500
2	15	10	392000	1880	DFT-s-OFDM QPSK	1@50	23.54	21.54	0.1426
2	15	10	392000	1880	DFT-s-OFDM 16 QAM	25@12	22.75	20.75	0.1189
2	15	10	392000	1880	DFT-s-OFDM 16 QAM	1@1	22.75	20.75	0.1189
2	15	10	392000	1880	DFT-s-OFDM 16 QAM	1@50	22.78	20.78	0.1197
2	15	10	392000	1880	DFT-s-OFDM 64 QAM	25@12	21.35	19.35	0.0861
2	15	10	392000	1880	DFT-s-OFDM 64 QAM	1@1	21.25	19.25	0.0841
2	15	10	392000	1880	DFT-s-OFDM 64 QAM	1@50	21.25	19.25	0.0841
2	15	10	392000	1880	DFT-s-OFDM 256 QAM	25@12	19.2	17.2	0.0525
2	15	10	392000	1880	DFT-s-OFDM 256 QAM	1@1	18.92	16.92	0.0492
2	15	10	392000	1880	DFT-s-OFDM 256 QAM	1@50	18.96	16.96	0.0497
2	15	10	392000	1880	CP-OFDM QPSK	26@13	22.21	20.21	0.1050
2	15	10	392000	1880	CP-OFDM QPSK	1@1	22.13	20.13	0.1030
2	15	10	392000	1880	CP-OFDM QPSK	1@50	22.24	20.24	0.1057
2	15	10	397000	1905	DFT-s-OFDM PI/2 BPSK	25@12	22.18	20.18	0.1042
2	15	10	397000	1905	DFT-s-OFDM PI/2 BPSK	1@1	22.05	20.05	0.1012
2	15	10	397000	1905	DFT-s-OFDM PI/2 BPSK	1@50	22.04	20.04	0.1009
2	15	10	397000	1905	DFT-s-OFDM QPSK	25@12	23.59	21.59	0.1442
2	15	10	397000	1905	DFT-s-OFDM QPSK	1@1	23.58	21.58	0.1439
2	15	10	397000	1905	DFT-s-OFDM QPSK	1@50	23.52	21.52	0.1419
2	15	10	397000	1905	DFT-s-OFDM 16 QAM	25@12	22.59	20.59	0.1146

2	15	10	397000	1905	DFT-s-OFDM 16 QAM	1@1	22.69	20.69	0.1172
2	15	10	397000	1905	DFT-s-OFDM 16 QAM	1@50	22.66	20.66	0.1164
2	15	10	397000	1905	DFT-s-OFDM 64 QAM	25@12	21.22	19.22	0.0836
2	15	10	397000	1905	DFT-s-OFDM 64 QAM	1@1	21.21	19.21	0.0834
2	15	10	397000	1905	DFT-s-OFDM 64 QAM	1@50	21.14	19.14	0.0820
2	15	10	397000	1905	DFT-s-OFDM 256 QAM	25@12	19.06	17.06	0.0508
2	15	10	397000	1905	DFT-s-OFDM 256 QAM	1@1	18.88	16.88	0.0488
2	15	10	397000	1905	DFT-s-OFDM 256 QAM	1@50	18.83	16.83	0.0482
2	15	10	397000	1905	CP-OFDM QPSK	26@13	22.05	20.05	0.1012
2	15	10	397000	1905	CP-OFDM QPSK	1@1	22.08	20.08	0.1019
2	15	10	397000	1905	CP-OFDM QPSK	1@50	22.2	20.2	0.1047
2	15	15	387500	1857.5	DFT-s-OFDM PI/2 BPSK	36@18	22.37	20.37	0.1089
2	15	15	387500	1857.5	DFT-s-OFDM PI/2 BPSK	1@1	22.33	20.33	0.1079
2	15	15	387500	1857.5	DFT-s-OFDM PI/2 BPSK	1@77	22.3	20.3	0.1072
2	15	15	387500	1857.5	DFT-s-OFDM QPSK	36@18	23.88	21.88	0.1542
2	15	15	387500	1857.5	DFT-s-OFDM QPSK	1@1	23.84	21.84	0.1528
2	15	15	387500	1857.5	DFT-s-OFDM QPSK	1@77	23.78	21.78	0.1507
2	15	15	387500	1857.5	DFT-s-OFDM 16 QAM	36@18	22.86	20.86	0.1219
2	15	15	387500	1857.5	DFT-s-OFDM 16 QAM	1@1	23	21	0.1259
2	15	15	387500	1857.5	DFT-s-OFDM 16 QAM	1@77	22.94	20.94	0.1242
2	15	15	387500	1857.5	DFT-s-OFDM 64 QAM	36@18	21.41	19.41	0.0873
2	15	15	387500	1857.5	DFT-s-OFDM 64 QAM	1@1	21.48	19.48	0.0887
2	15	15	387500	1857.5	DFT-s-OFDM 64 QAM	1@77	21.48	19.48	0.0887
2	15	15	387500	1857.5	DFT-s-OFDM 256 QAM	36@18	19.32	17.32	0.0540
2	15	15	387500	1857.5	DFT-s-OFDM 256 QAM	1@1	19.15	17.15	0.0519
2	15	15	387500	1857.5	DFT-s-OFDM 256 QAM	1@77	17.81	15.81	0.0381
2	15	15	387500	1857.5	CP-OFDM QPSK	39@19	22.42	20.42	0.1102
2	15	15	387500	1857.5	CP-OFDM QPSK	1@1	22.51	20.51	0.1125
2	15	15	387500	1857.5	CP-OFDM QPSK	1@77	22.39	20.39	0.1094
2	15	15	392000	1880	DFT-s-OFDM PI/2 BPSK	36@18	22.3	20.3	0.1072
2	15	15	392000	1880	DFT-s-OFDM PI/2 BPSK	1@1	22.22	20.22	0.1052
2	15	15	392000	1880	DFT-s-OFDM PI/2 BPSK	1@77	22.19	20.19	0.1045
2	15	15	392000	1880	DFT-s-OFDM QPSK	36@18	23.68	21.68	0.1472
2	15	15	392000	1880	DFT-s-OFDM QPSK	1@1	23.71	21.71	0.1483

2	15	15	392000	1880	DFT-s-OFDM QPSK	1@77	23.5	21.5	0.1413
2	15	15	392000	1880	DFT-s-OFDM 16 QAM	36@18	22.74	20.74	0.1186
2	15	15	392000	1880	DFT-s-OFDM 16 QAM	1@1	22.82	20.82	0.1208
2	15	15	392000	1880	DFT-s-OFDM 16 QAM	1@77	22.81	20.81	0.1205
2	15	15	392000	1880	DFT-s-OFDM 64 QAM	36@18	21.31	19.31	0.0853
2	15	15	392000	1880	DFT-s-OFDM 64 QAM	1@1	21.36	19.36	0.0863
2	15	15	392000	1880	DFT-s-OFDM 64 QAM	1@77	21.31	19.31	0.0853
2	15	15	392000	1880	DFT-s-OFDM 256 QAM	36@18	19.16	17.16	0.0520
2	15	15	392000	1880	DFT-s-OFDM 256 QAM	1@1	18.99	16.99	0.0500
2	15	15	392000	1880	DFT-s-OFDM 256 QAM	1@77	18.97	16.97	0.0498
2	15	15	392000	1880	CP-OFDM QPSK	39@19	22.27	20.27	0.1064
2	15	15	392000	1880	CP-OFDM QPSK	1@1	22.39	20.39	0.1094
2	15	15	392000	1880	CP-OFDM QPSK	1@77	22.23	20.23	0.1054
2	15	15	396500	1902.5	DFT-s-OFDM PI/2 BPSK	36@18	22.19	20.19	0.1045
2	15	15	396500	1902.5	DFT-s-OFDM PI/2 BPSK	1@1	22.14	20.14	0.1033
2	15	15	396500	1902.5	DFT-s-OFDM PI/2 BPSK	1@77	22.11	20.11	0.1026
2	15	15	396500	1902.5	DFT-s-OFDM QPSK	36@18	23.69	21.69	0.1476
2	15	15	396500	1902.5	DFT-s-OFDM QPSK	1@1	23.68	21.68	0.1472
2	15	15	396500	1902.5	DFT-s-OFDM QPSK	1@77	23.67	21.67	0.1469
2	15	15	396500	1902.5	DFT-s-OFDM 16 QAM	36@18	22.7	20.7	0.1175
2	15	15	396500	1902.5	DFT-s-OFDM 16 QAM	1@1	22.83	20.83	0.1211
2	15	15	396500	1902.5	DFT-s-OFDM 16 QAM	1@77	22.76	20.76	0.1191
2	15	15	396500	1902.5	DFT-s-OFDM 64 QAM	36@18	21.22	19.22	0.0836
2	15	15	396500	1902.5	DFT-s-OFDM 64 QAM	1@1	21.31	19.31	0.0853
2	15	15	396500	1902.5	DFT-s-OFDM 64 QAM	1@77	21.32	19.32	0.0855
2	15	15	396500	1902.5	DFT-s-OFDM 256 QAM	36@18	19.13	17.13	0.0516
2	15	15	396500	1902.5	DFT-s-OFDM 256 QAM	1@1	19.01	17.01	0.0502
2	15	15	396500	1902.5	DFT-s-OFDM 256 QAM	1@77	18.9	16.9	0.0490
2	15	15	396500	1902.5	CP-OFDM QPSK	39@19	22.19	20.19	0.1045
2	15	15	396500	1902.5	CP-OFDM QPSK	1@1	22.32	20.32	0.1076
2	15	15	396500	1902.5	CP-OFDM QPSK	1@77	22.18	20.18	0.1042
2	15	20	388000	1860	DFT-s-OFDM PI/2 BPSK	50@25	22.32	20.32	0.1076
2	15	20	388000	1860	DFT-s-OFDM PI/2 BPSK	1@1	22.36	20.36	0.1086
2	15	20	388000	1860	DFT-s-OFDM PI/2 BPSK	1@104	22.26	20.26	0.1062

2	15	20	388000	1860	DFT-s-OFDM QPSK	50@25	23.89	21.89	0.1545
2	15	20	388000	1860	DFT-s-OFDM QPSK	1@1	23.88	21.88	0.1542
2	15	20	388000	1860	DFT-s-OFDM QPSK	1@104	23.82	21.82	0.1521
2	15	20	388000	1860	DFT-s-OFDM 16 QAM	50@25	22.83	20.83	0.1211
2	15	20	388000	1860	DFT-s-OFDM 16 QAM	1@1	22.99	20.99	0.1256
2	15	20	388000	1860	DFT-s-OFDM 16 QAM	1@104	22.94	20.94	0.1242
2	15	20	388000	1860	DFT-s-OFDM 64 QAM	50@25	21.43	19.43	0.0877
2	15	20	388000	1860	DFT-s-OFDM 64 QAM	1@1	21.49	19.49	0.0889
2	15	20	388000	1860	DFT-s-OFDM 64 QAM	1@104	21.42	19.42	0.0875
2	15	20	388000	1860	DFT-s-OFDM 256 QAM	50@25	19.31	17.31	0.0538
2	15	20	388000	1860	DFT-s-OFDM 256 QAM	1@1	19.14	17.14	0.0518
2	15	20	388000	1860	DFT-s-OFDM 256 QAM	1@104	19.13	17.13	0.0516
2	15	20	388000	1860	CP-OFDM QPSK	53@26	22.39	20.39	0.1094
2	15	20	388000	1860	CP-OFDM QPSK	1@1	22.49	20.49	0.1119
2	15	20	388000	1860	CP-OFDM QPSK	1@104	22.31	20.31	0.1074
2	15	20	392000	1880	DFT-s-OFDM PI/2 BPSK	50@25	22.23	20.23	0.1054
2	15	20	392000	1880	DFT-s-OFDM PI/2 BPSK	1@1	22.22	20.22	0.1052
2	15	20	392000	1880	DFT-s-OFDM PI/2 BPSK	1@104	22.14	20.14	0.1033
2	15	20	392000	1880	DFT-s-OFDM QPSK	50@25	23.69	21.69	0.1476
2	15	20	392000	1880	DFT-s-OFDM QPSK	1@1	23.75	21.75	0.1496
2	15	20	392000	1880	DFT-s-OFDM QPSK	1@104	23.61	21.61	0.1449
2	15	20	392000	1880	DFT-s-OFDM 16 QAM	50@25	22.69	20.69	0.1172
2	15	20	392000	1880	DFT-s-OFDM 16 QAM	1@1	22.8	20.8	0.1202
2	15	20	392000	1880	DFT-s-OFDM 16 QAM	1@104	22.77	20.77	0.1194
2	15	20	392000	1880	DFT-s-OFDM 64 QAM	50@25	21.31	19.31	0.0853
2	15	20	392000	1880	DFT-s-OFDM 64 QAM	1@1	21.37	19.37	0.0865
2	15	20	392000	1880	DFT-s-OFDM 64 QAM	1@104	21.33	19.33	0.0857
2	15	20	392000	1880	DFT-s-OFDM 256 QAM	50@25	19.2	17.2	0.0525
2	15	20	392000	1880	DFT-s-OFDM 256 QAM	1@1	19.06	17.06	0.0508
2	15	20	392000	1880	DFT-s-OFDM 256 QAM	1@104	19	17	0.0501
2	15	20	392000	1880	CP-OFDM QPSK	53@26	22.22	20.22	0.1052
2	15	20	392000	1880	CP-OFDM QPSK	1@1	22.23	20.23	0.1054
2	15	20	392000	1880	CP-OFDM QPSK	1@104	22.19	20.19	0.1045
2	15	20	396000	1900	DFT-s-OFDM PI/2 BPSK	50@25	22.14	20.14	0.1033

2	15	20	396000	1900	DFT-s-OFDM PI/2 BPSK	1@1	22.09	20.09	0.1021
2	15	20	396000	1900	DFT-s-OFDM PI/2 BPSK	1@104	22.09	20.09	0.1021
2	15	20	396000	1900	DFT-s-OFDM QPSK	50@25	23.64	21.64	0.1459
2	15	20	396000	1900	DFT-s-OFDM QPSK	1@1	23.63	21.63	0.1455
2	15	20	396000	1900	DFT-s-OFDM QPSK	1@104	23.6	21.6	0.1445
2	15	20	396000	1900	DFT-s-OFDM 16 QAM	50@25	22.59	20.59	0.1146
2	15	20	396000	1900	DFT-s-OFDM 16 QAM	1@1	22.75	20.75	0.1189
2	15	20	396000	1900	DFT-s-OFDM 16 QAM	1@104	22.73	20.73	0.1183
2	15	20	396000	1900	DFT-s-OFDM 64 QAM	50@25	21.17	19.17	0.0826
2	15	20	396000	1900	DFT-s-OFDM 64 QAM	1@1	21.26	19.26	0.0843
2	15	20	396000	1900	DFT-s-OFDM 64 QAM	1@104	21.22	19.22	0.0836
2	15	20	396000	1900	DFT-s-OFDM 256 QAM	50@25	19.09	17.09	0.0512
2	15	20	396000	1900	DFT-s-OFDM 256 QAM	1@1	18.96	16.96	0.0497
2	15	20	396000	1900	DFT-s-OFDM 256 QAM	1@104	18.85	16.85	0.0484
2	15	20	396000	1900	CP-OFDM QPSK	53@26	22.15	20.15	0.1035
2	15	20	396000	1900	CP-OFDM QPSK	1@1	22.22	20.22	0.1052
2	15	20	396000	1900	CP-OFDM QPSK	1@104	22.06	20.06	0.1014

FR1 N5(ANT1)

LTE Band: 2(ANT3), LTE BW: 10M, LTE ARFCN: Mid

Conducted Power and ERP

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	ERP (dBm)	ERP (W)
5	15	5	174300	826.5	DFT-s-OFDM PI/2 BPSK	12@6	22.46	16.31	0.0428
5	15	5	174300	826.5	DFT-s-OFDM PI/2 BPSK	1@1	22.55	16.4	0.0437
5	15	5	174300	826.5	DFT-s-OFDM PI/2 BPSK	1@23	22.51	16.36	0.0433
5	15	5	174300	826.5	DFT-s-OFDM QPSK	12@6	23.87	17.72	0.0592
5	15	5	174300	826.5	DFT-s-OFDM QPSK	1@1	24.01	17.86	0.0611
5	15	5	174300	826.5	DFT-s-OFDM QPSK	1@23	23.87	17.72	0.0592
5	15	5	174300	826.5	DFT-s-OFDM 16 QAM	12@6	23.01	16.86	0.0485
5	15	5	174300	826.5	DFT-s-OFDM 16 QAM	1@1	22.99	16.84	0.0483
5	15	5	174300	826.5	DFT-s-OFDM 16 QAM	1@23	22.94	16.79	0.0478
5	15	5	174300	826.5	DFT-s-OFDM 64 QAM	12@6	21.52	15.37	0.0344
5	15	5	174300	826.5	DFT-s-OFDM 64 QAM	1@1	21.68	15.53	0.0357
5	15	5	174300	826.5	DFT-s-OFDM 64 QAM	1@23	21.63	15.48	0.0353
5	15	5	174300	826.5	DFT-s-OFDM 256 QAM	12@6	19.46	13.31	0.0214
5	15	5	174300	826.5	DFT-s-OFDM 256 QAM	1@1	19.03	12.88	0.0194
5	15	5	174300	826.5	DFT-s-OFDM 256 QAM	1@23	18.93	12.78	0.0190
5	15	5	174300	826.5	CP-OFDM QPSK	13@6	22.41	16.26	0.0423
5	15	5	174300	826.5	CP-OFDM QPSK	1@1	22.6	16.45	0.0442
5	15	5	174300	826.5	CP-OFDM QPSK	1@23	22.48	16.33	0.0430
5	15	5	176300	836.5	DFT-s-OFDM PI/2 BPSK	12@6	22.54	16.39	0.0436
5	15	5	176300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	22.65	16.5	0.0447
5	15	5	176300	836.5	DFT-s-OFDM PI/2 BPSK	1@23	22.56	16.41	0.0438
5	15	5	176300	836.5	DFT-s-OFDM QPSK	12@6	23.99	17.84	0.0608
5	15	5	176300	836.5	DFT-s-OFDM QPSK	1@1	24.08	17.93	0.0621
5	15	5	176300	836.5	DFT-s-OFDM QPSK	1@23	24	17.85	0.0610
5	15	5	176300	836.5	DFT-s-OFDM 16 QAM	12@6	23.11	16.96	0.0497
5	15	5	176300	836.5	DFT-s-OFDM 16 QAM	1@1	23.04	16.89	0.0489

5	15	5	176300	836.5	DFT-s-OFDM 16 QAM	1@23	23.07	16.92	0.0492
5	15	5	176300	836.5	DFT-s-OFDM 64 QAM	12@6	21.61	15.46	0.0352
5	15	5	176300	836.5	DFT-s-OFDM 64 QAM	1@1	21.82	15.67	0.0369
5	15	5	176300	836.5	DFT-s-OFDM 64 QAM	1@23	21.75	15.6	0.0363
5	15	5	176300	836.5	DFT-s-OFDM 256 QAM	12@6	19.57	13.42	0.0220
5	15	5	176300	836.5	DFT-s-OFDM 256 QAM	1@1	19.11	12.96	0.0198
5	15	5	176300	836.5	DFT-s-OFDM 256 QAM	1@23	19.04	12.89	0.0195
5	15	5	176300	836.5	CP-OFDM QPSK	13@6	22.48	16.33	0.0430
5	15	5	176300	836.5	CP-OFDM QPSK	1@1	22.69	16.54	0.0451
5	15	5	176300	836.5	CP-OFDM QPSK	1@23	22.61	16.46	0.0443
5	15	5	178300	846.5	DFT-s-OFDM PI/2 BPSK	12@6	22.52	16.37	0.0434
5	15	5	178300	846.5	DFT-s-OFDM PI/2 BPSK	1@1	22.59	16.44	0.0441
5	15	5	178300	846.5	DFT-s-OFDM PI/2 BPSK	1@23	22.53	16.38	0.0435
5	15	5	178300	846.5	DFT-s-OFDM QPSK	12@6	23.97	17.82	0.0605
5	15	5	178300	846.5	DFT-s-OFDM QPSK	1@1	24.03	17.88	0.0614
5	15	5	178300	846.5	DFT-s-OFDM QPSK	1@23	24.02	17.87	0.0612
5	15	5	178300	846.5	DFT-s-OFDM 16 QAM	12@6	23.14	16.99	0.0500
5	15	5	178300	846.5	DFT-s-OFDM 16 QAM	1@1	23.06	16.91	0.0491
5	15	5	178300	846.5	DFT-s-OFDM 16 QAM	1@23	23.01	16.86	0.0485
5	15	5	178300	846.5	DFT-s-OFDM 64 QAM	12@6	21.62	15.47	0.0352
5	15	5	178300	846.5	DFT-s-OFDM 64 QAM	1@1	21.73	15.58	0.0361
5	15	5	178300	846.5	DFT-s-OFDM 64 QAM	1@23	21.71	15.56	0.0360
5	15	5	178300	846.5	DFT-s-OFDM 256 QAM	12@6	19.54	13.39	0.0218
5	15	5	178300	846.5	DFT-s-OFDM 256 QAM	1@1	19.11	12.96	0.0198
5	15	5	178300	846.5	DFT-s-OFDM 256 QAM	1@23	19	12.85	0.0193
5	15	5	178300	846.5	CP-OFDM QPSK	13@6	22.46	16.31	0.0428
5	15	5	178300	846.5	CP-OFDM QPSK	1@1	22.66	16.51	0.0448
5	15	5	178300	846.5	CP-OFDM QPSK	1@23	22.55	16.4	0.0437
5	15	10	174800	829	DFT-s-OFDM PI/2 BPSK	25@12	22.61	16.46	0.0443
5	15	10	174800	829	DFT-s-OFDM PI/2 BPSK	1@1	22.5	16.35	0.0432
5	15	10	174800	829	DFT-s-OFDM PI/2 BPSK	1@50	22.48	16.33	0.0430
5	15	10	174800	829	DFT-s-OFDM QPSK	25@12	23.92	17.77	0.0598
5	15	10	174800	829	DFT-s-OFDM QPSK	1@1	23.98	17.83	0.0607
5	15	10	174800	829	DFT-s-OFDM QPSK	1@50	23.92	17.77	0.0598

5	15	10	174800	829	DFT-s-OFDM 16 QAM	25@12	23.07	16.92	0.0492
5	15	10	174800	829	DFT-s-OFDM 16 QAM	1@1	23.04	16.89	0.0489
5	15	10	174800	829	DFT-s-OFDM 16 QAM	1@50	23.02	16.87	0.0486
5	15	10	174800	829	DFT-s-OFDM 64 QAM	25@12	21.55	15.4	0.0347
5	15	10	174800	829	DFT-s-OFDM 64 QAM	1@1	21.68	15.53	0.0357
5	15	10	174800	829	DFT-s-OFDM 64 QAM	1@50	21.67	15.52	0.0356
5	15	10	174800	829	DFT-s-OFDM 256 QAM	25@12	19.47	13.32	0.0215
5	15	10	174800	829	DFT-s-OFDM 256 QAM	1@1	19.01	12.86	0.0193
5	15	10	174800	829	DFT-s-OFDM 256 QAM	1@50	18.96	12.81	0.0191
5	15	10	174800	829	CP-OFDM QPSK	26@13	22.48	16.33	0.0430
5	15	10	174800	829	CP-OFDM QPSK	1@1	22.56	16.41	0.0438
5	15	10	174800	829	CP-OFDM QPSK	1@50	22.56	16.41	0.0438
5	15	10	176300	836.5	DFT-s-OFDM PI/2 BPSK	25@12	22.57	16.42	0.0439
5	15	10	176300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	22.53	16.38	0.0435
5	15	10	176300	836.5	DFT-s-OFDM PI/2 BPSK	1@50	22.5	16.35	0.0432
5	15	10	176300	836.5	DFT-s-OFDM QPSK	25@12	24.05	17.9	0.0617
5	15	10	176300	836.5	DFT-s-OFDM QPSK	1@1	23.94	17.79	0.0601
5	15	10	176300	836.5	DFT-s-OFDM QPSK	1@50	23.97	17.82	0.0605
5	15	10	176300	836.5	DFT-s-OFDM 16 QAM	25@12	23.16	17.01	0.0502
5	15	10	176300	836.5	DFT-s-OFDM 16 QAM	1@1	23	16.85	0.0484
5	15	10	176300	836.5	DFT-s-OFDM 16 QAM	1@50	22.97	16.82	0.0481
5	15	10	176300	836.5	DFT-s-OFDM 64 QAM	25@12	21.61	15.46	0.0352
5	15	10	176300	836.5	DFT-s-OFDM 64 QAM	1@1	21.68	15.53	0.0357
5	15	10	176300	836.5	DFT-s-OFDM 64 QAM	1@50	21.65	15.5	0.0355
5	15	10	176300	836.5	DFT-s-OFDM 256 QAM	25@12	19.54	13.39	0.0218
5	15	10	176300	836.5	DFT-s-OFDM 256 QAM	1@1	19.01	12.86	0.0193
5	15	10	176300	836.5	DFT-s-OFDM 256 QAM	1@50	19	12.85	0.0193
5	15	10	176300	836.5	CP-OFDM QPSK	26@13	22.59	16.44	0.0441
5	15	10	176300	836.5	CP-OFDM QPSK	1@1	22.57	16.42	0.0439
5	15	10	176300	836.5	CP-OFDM QPSK	1@50	22.6	16.45	0.0442
5	15	10	177800	844	DFT-s-OFDM PI/2 BPSK	25@12	22.61	16.46	0.0443
5	15	10	177800	844	DFT-s-OFDM PI/2 BPSK	1@1	22.51	16.36	0.0433
5	15	10	177800	844	DFT-s-OFDM PI/2 BPSK	1@50	22.52	16.37	0.0434
5	15	10	177800	844	DFT-s-OFDM QPSK	25@12	24.02	17.87	0.0612

5	15	10	177800	844	DFT-s-OFDM QPSK	1@1	23.96	17.81	0.0604
5	15	10	177800	844	DFT-s-OFDM QPSK	1@50	23.92	17.77	0.0598
5	15	10	177800	844	DFT-s-OFDM 16 QAM	25@12	23.16	17.01	0.0502
5	15	10	177800	844	DFT-s-OFDM 16 QAM	1@1	23.04	16.89	0.0489
5	15	10	177800	844	DFT-s-OFDM 16 QAM	1@50	23.06	16.91	0.0491
5	15	10	177800	844	DFT-s-OFDM 64 QAM	25@12	21.63	15.48	0.0353
5	15	10	177800	844	DFT-s-OFDM 64 QAM	1@1	21.68	15.53	0.0357
5	15	10	177800	844	DFT-s-OFDM 64 QAM	1@50	21.71	15.56	0.0360
5	15	10	177800	844	DFT-s-OFDM 256 QAM	25@12	19.63	13.48	0.0223
5	15	10	177800	844	DFT-s-OFDM 256 QAM	1@1	18.96	12.81	0.0191
5	15	10	177800	844	DFT-s-OFDM 256 QAM	1@50	18.94	12.79	0.0190
5	15	10	177800	844	CP-OFDM QPSK	26@13	22.57	16.42	0.0439
5	15	10	177800	844	CP-OFDM QPSK	1@1	22.54	16.39	0.0436
5	15	10	177800	844	CP-OFDM QPSK	1@50	22.57	16.42	0.0439
5	15	15	175300	831.5	DFT-s-OFDM PI/2 BPSK	36@18	22.72	16.57	0.0454
5	15	15	175300	831.5	DFT-s-OFDM PI/2 BPSK	1@1	22.63	16.48	0.0445
5	15	15	175300	831.5	DFT-s-OFDM PI/2 BPSK	1@77	22.59	16.44	0.0441
5	15	15	175300	831.5	DFT-s-OFDM QPSK	36@18	24.18	18.03	0.0635
5	15	15	175300	831.5	DFT-s-OFDM QPSK	1@1	24.1	17.95	0.0624
5	15	15	175300	831.5	DFT-s-OFDM QPSK	1@77	24.1	17.95	0.0624
5	15	15	175300	831.5	DFT-s-OFDM 16 QAM	36@18	23.18	17.03	0.0505
5	15	15	175300	831.5	DFT-s-OFDM 16 QAM	1@1	23.09	16.94	0.0494
5	15	15	175300	831.5	DFT-s-OFDM 16 QAM	1@77	23.14	16.99	0.0500
5	15	15	175300	831.5	DFT-s-OFDM 64 QAM	36@18	21.67	15.52	0.0356
5	15	15	175300	831.5	DFT-s-OFDM 64 QAM	1@1	21.72	15.57	0.0361
5	15	15	175300	831.5	DFT-s-OFDM 64 QAM	1@77	21.75	15.6	0.0363
5	15	15	175300	831.5	DFT-s-OFDM 256 QAM	36@18	19.72	13.57	0.0228
5	15	15	175300	831.5	DFT-s-OFDM 256 QAM	1@1	19.2	13.05	0.0202
5	15	15	175300	831.5	DFT-s-OFDM 256 QAM	1@77	19.04	12.89	0.0195
5	15	15	175300	831.5	CP-OFDM QPSK	39@19	22.72	16.57	0.0454
5	15	15	175300	831.5	CP-OFDM QPSK	1@1	22.71	16.56	0.0453
5	15	15	175300	831.5	CP-OFDM QPSK	1@77	22.61	16.46	0.0443
5	15	15	176300	836.5	DFT-s-OFDM PI/2 BPSK	36@18	22.64	16.49	0.0446
5	15	15	176300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	22.68	16.53	0.0450

5	15	15	176300	836.5	DFT-s-OFDM PI/2 BPSK	1@77	22.52	16.37	0.0434
5	15	15	176300	836.5	DFT-s-OFDM QPSK	36@18	24.08	17.93	0.0621
5	15	15	176300	836.5	DFT-s-OFDM QPSK	1@1	24.14	17.99	0.0630
5	15	15	176300	836.5	DFT-s-OFDM QPSK	1@77	23.98	17.83	0.0607
5	15	15	176300	836.5	DFT-s-OFDM 16 QAM	36@18	23.23	17.08	0.0511
5	15	15	176300	836.5	DFT-s-OFDM 16 QAM	1@1	23.13	16.98	0.0499
5	15	15	176300	836.5	DFT-s-OFDM 16 QAM	1@77	23.02	16.87	0.0486
5	15	15	176300	836.5	DFT-s-OFDM 64 QAM	36@18	21.71	15.56	0.0360
5	15	15	176300	836.5	DFT-s-OFDM 64 QAM	1@1	21.77	15.62	0.0365
5	15	15	176300	836.5	DFT-s-OFDM 64 QAM	1@77	21.6	15.45	0.0351
5	15	15	176300	836.5	DFT-s-OFDM 256 QAM	36@18	19.69	13.54	0.0226
5	15	15	176300	836.5	DFT-s-OFDM 256 QAM	1@1	19.23	13.08	0.0203
5	15	15	176300	836.5	DFT-s-OFDM 256 QAM	1@77	19.03	12.88	0.0194
5	15	15	176300	836.5	CP-OFDM QPSK	39@19	22.66	16.51	0.0448
5	15	15	176300	836.5	CP-OFDM QPSK	1@1	22.74	16.59	0.0456
5	15	15	176300	836.5	CP-OFDM QPSK	1@77	22.59	16.44	0.0441
5	15	15	177300	841.5	DFT-s-OFDM PI/2 BPSK	36@18	22.6	16.45	0.0442
5	15	15	177300	841.5	DFT-s-OFDM PI/2 BPSK	1@1	22.7	16.55	0.0452
5	15	15	177300	841.5	DFT-s-OFDM PI/2 BPSK	1@77	22.63	16.48	0.0445
5	15	15	177300	841.5	DFT-s-OFDM QPSK	36@18	24.07	17.92	0.0619
5	15	15	177300	841.5	DFT-s-OFDM QPSK	1@1	24.12	17.97	0.0627
5	15	15	177300	841.5	DFT-s-OFDM QPSK	1@77	24.03	17.88	0.0614
5	15	15	177300	841.5	DFT-s-OFDM 16 QAM	36@18	23.12	16.97	0.0498
5	15	15	177300	841.5	DFT-s-OFDM 16 QAM	1@1	23.19	17.04	0.0506
5	15	15	177300	841.5	DFT-s-OFDM 16 QAM	1@77	23.1	16.95	0.0495
5	15	15	177300	841.5	DFT-s-OFDM 64 QAM	36@18	21.69	15.54	0.0358
5	15	15	177300	841.5	DFT-s-OFDM 64 QAM	1@1	21.89	15.74	0.0375
5	15	15	177300	841.5	DFT-s-OFDM 64 QAM	1@77	21.78	15.63	0.0366
5	15	15	177300	841.5	DFT-s-OFDM 256 QAM	36@18	19.64	13.49	0.0223
5	15	15	177300	841.5	DFT-s-OFDM 256 QAM	1@1	19.21	13.06	0.0202
5	15	15	177300	841.5	DFT-s-OFDM 256 QAM	1@77	19.01	12.86	0.0193
5	15	15	177300	841.5	CP-OFDM QPSK	39@19	22.61	16.46	0.0443
5	15	15	177300	841.5	CP-OFDM QPSK	1@1	22.73	16.58	0.0455
5	15	15	177300	841.5	CP-OFDM QPSK	1@77	22.56	16.41	0.0438

5	15	20	175800	834	DFT-s-OFDM PI/2 BPSK	50@25	22.68	16.53	0.0450
5	15	20	175800	834	DFT-s-OFDM PI/2 BPSK	1@1	22.59	16.44	0.0441
5	15	20	175800	834	DFT-s-OFDM PI/2 BPSK	1@104	22.5	16.35	0.0432
5	15	20	175800	834	DFT-s-OFDM QPSK	50@25	24.16	18.01	0.0632
5	15	20	175800	834	DFT-s-OFDM QPSK	1@1	24.05	17.9	0.0617
5	15	20	175800	834	DFT-s-OFDM QPSK	1@104	23.97	17.82	0.0605
5	15	20	175800	834	DFT-s-OFDM 16 QAM	50@25	23.25	17.1	0.0513
5	15	20	175800	834	DFT-s-OFDM 16 QAM	1@1	23.1	16.95	0.0495
5	15	20	175800	834	DFT-s-OFDM 16 QAM	1@104	22.97	16.82	0.0481
5	15	20	175800	834	DFT-s-OFDM 64 QAM	50@25	21.79	15.64	0.0366
5	15	20	175800	834	DFT-s-OFDM 64 QAM	1@1	21.69	15.54	0.0358
5	15	20	175800	834	DFT-s-OFDM 64 QAM	1@104	21.65	15.5	0.0355
5	15	20	175800	834	DFT-s-OFDM 256 QAM	50@25	19.69	13.54	0.0226
5	15	20	175800	834	DFT-s-OFDM 256 QAM	1@1	19.17	13.02	0.0200
5	15	20	175800	834	DFT-s-OFDM 256 QAM	1@104	19.06	12.91	0.0195
5	15	20	175800	834	CP-OFDM QPSK	53@26	22.7	16.55	0.0452
5	15	20	175800	834	CP-OFDM QPSK	1@1	22.71	16.56	0.0453
5	15	20	175800	834	CP-OFDM QPSK	1@104	22.58	16.43	0.0440
5	15	20	176300	836.5	DFT-s-OFDM PI/2 BPSK	50@25	22.68	16.53	0.0450
5	15	20	176300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	22.67	16.52	0.0449
5	15	20	176300	836.5	DFT-s-OFDM PI/2 BPSK	1@104	22.57	16.42	0.0439
5	15	20	176300	836.5	DFT-s-OFDM QPSK	50@25	24.15	18	0.0631
5	15	20	176300	836.5	DFT-s-OFDM QPSK	1@1	24.28	18.13	0.0650
5	15	20	176300	836.5	DFT-s-OFDM QPSK	1@104	23.93	17.78	0.0600
5	15	20	176300	836.5	DFT-s-OFDM 16 QAM	50@25	23.24	17.09	0.0512
5	15	20	176300	836.5	DFT-s-OFDM 16 QAM	1@1	23.15	17	0.0501
5	15	20	176300	836.5	DFT-s-OFDM 16 QAM	1@104	22.98	16.83	0.0482
5	15	20	176300	836.5	DFT-s-OFDM 64 QAM	50@25	21.76	15.61	0.0364
5	15	20	176300	836.5	DFT-s-OFDM 64 QAM	1@1	21.81	15.66	0.0368
5	15	20	176300	836.5	DFT-s-OFDM 64 QAM	1@104	21.7	15.55	0.0359
5	15	20	176300	836.5	DFT-s-OFDM 256 QAM	50@25	19.71	13.56	0.0227
5	15	20	176300	836.5	DFT-s-OFDM 256 QAM	1@1	19.21	13.06	0.0202
5	15	20	176300	836.5	DFT-s-OFDM 256 QAM	1@104	19.21	13.06	0.0202
5	15	20	176300	836.5	CP-OFDM QPSK	53@26	22.7	16.55	0.0452

5	15	20	176300	836.5	CP-OFDM QPSK	1@1	22.79	16.64	0.0461
5	15	20	176300	836.5	CP-OFDM QPSK	1@104	22.56	16.41	0.0438
5	15	20	176800	839	DFT-s-OFDM PI/2 BPSK	50@25	22.65	16.5	0.0447
5	15	20	176800	839	DFT-s-OFDM PI/2 BPSK	1@1	22.68	16.53	0.0450
5	15	20	176800	839	DFT-s-OFDM PI/2 BPSK	1@104	22.57	16.42	0.0439
5	15	20	176800	839	DFT-s-OFDM QPSK	50@25	24.12	17.97	0.0627
5	15	20	176800	839	DFT-s-OFDM QPSK	1@1	24.07	17.92	0.0619
5	15	20	176800	839	DFT-s-OFDM QPSK	1@104	24.03	17.88	0.0614
5	15	20	176800	839	DFT-s-OFDM 16 QAM	50@25	23.2	17.05	0.0507
5	15	20	176800	839	DFT-s-OFDM 16 QAM	1@1	23.13	16.98	0.0499
5	15	20	176800	839	DFT-s-OFDM 16 QAM	1@104	23.05	16.9	0.0490
5	15	20	176800	839	DFT-s-OFDM 64 QAM	50@25	21.74	15.59	0.0362
5	15	20	176800	839	DFT-s-OFDM 64 QAM	1@1	21.78	15.63	0.0366
5	15	20	176800	839	DFT-s-OFDM 64 QAM	1@104	21.73	15.58	0.0361
5	15	20	176800	839	DFT-s-OFDM 256 QAM	50@25	19.67	13.52	0.0225
5	15	20	176800	839	DFT-s-OFDM 256 QAM	1@1	19.2	13.05	0.0202
5	15	20	176800	839	DFT-s-OFDM 256 QAM	1@104	19.15	13	0.0200
5	15	20	176800	839	CP-OFDM QPSK	53@26	22.69	16.54	0.0451
5	15	20	176800	839	CP-OFDM QPSK	1@1	22.75	16.6	0.0457
5	15	20	176800	839	CP-OFDM QPSK	1@104	22.59	16.44	0.0441

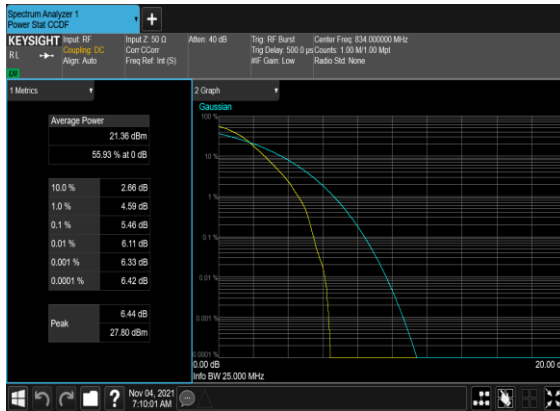
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
5	15	20	176300	836.5	DFT-s-OFDM QPSK	100@0	-0.00765	PASS	NV
5	15	20	176300	836.5	DFT-s-OFDM QPSK	100@0	-0.00657	PASS	LV
5	15	20	176300	836.5	DFT-s-OFDM QPSK	100@0	-0.00449	PASS	HV
5	15	20	176300	836.5	DFT-s-OFDM QPSK	100@0	-0.00691	PASS	-30°C
5	15	20	176300	836.5	DFT-s-OFDM QPSK	100@0	-0.00896	PASS	-20°C
5	15	20	176300	836.5	DFT-s-OFDM QPSK	100@0	-0.00749	PASS	-10°C
5	15	20	176300	836.5	DFT-s-OFDM QPSK	100@0	-0.00357	PASS	0°C
5	15	20	176300	836.5	DFT-s-OFDM QPSK	100@0	-0.00483	PASS	10°C
5	15	20	176300	836.5	DFT-s-OFDM QPSK	100@0	-0.00424	PASS	20°C
5	15	20	176300	836.5	DFT-s-OFDM QPSK	100@0	-0.00764	PASS	30°C
5	15	20	176300	836.5	DFT-s-OFDM QPSK	100@0	-0.00749	PASS	40°C
5	15	20	176300	836.5	DFT-s-OFDM QPSK	100@0	-0.0053	PASS	50°C

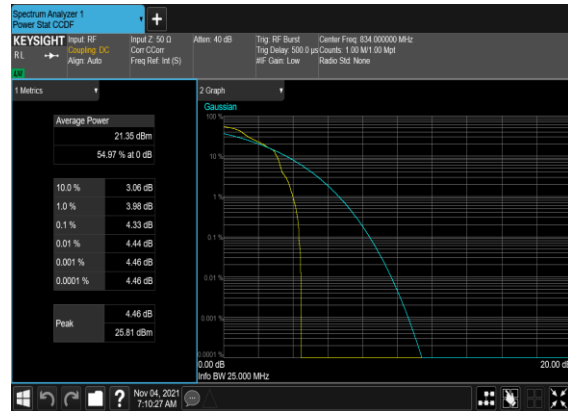
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
5	15	20	175800	834.0	DFT-s-OFDM PI/2 BPSK	100@0	5.46	13	PASS
5	15	20	175800	834.0	DFT-s-OFDM PI/2 BPSK	1@0	4.33	13	PASS
5	15	20	175800	834.0	DFT-s-OFDM QPSK	100@0	6.64	13	PASS
5	15	20	175800	834.0	DFT-s-OFDM QPSK	1@0	6.65	13	PASS
5	15	20	176300	836.5	DFT-s-OFDM PI/2 BPSK	100@0	5.18	13	PASS
5	15	20	176300	836.5	DFT-s-OFDM PI/2 BPSK	1@0	4.35	13	PASS
5	15	20	176300	836.5	DFT-s-OFDM QPSK	100@0	6.51	13	PASS
5	15	20	176300	836.5	DFT-s-OFDM QPSK	1@0	6.62	13	PASS
5	15	20	176800	839.0	DFT-s-OFDM PI/2 BPSK	100@0	5.03	13	PASS
5	15	20	176800	839.0	DFT-s-OFDM PI/2 BPSK	1@0	4.38	13	PASS
5	15	20	176800	839.0	DFT-s-OFDM QPSK	100@0	6.41	13	PASS
5	15	20	176800	839.0	DFT-s-OFDM QPSK	1@0	6.63	13	PASS

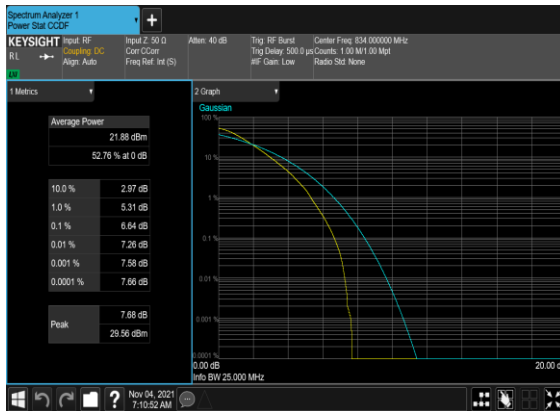
B2_N5(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



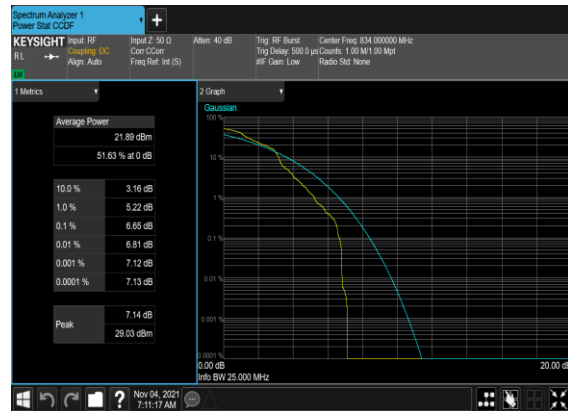
B2_N5(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



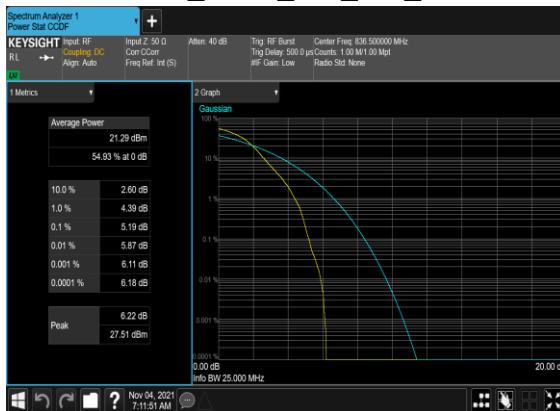
B2_N5(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



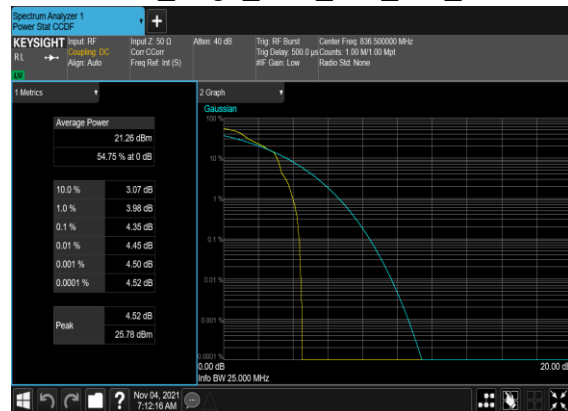
B2_N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B2_N5(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



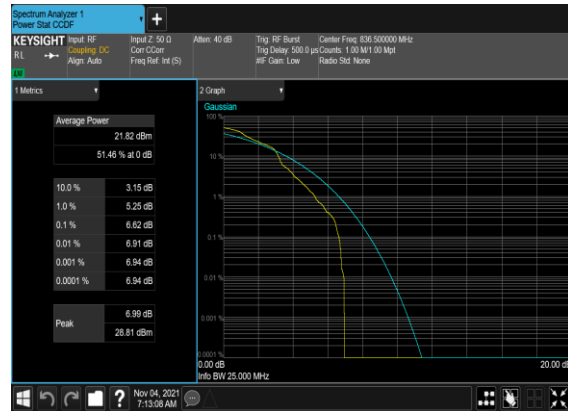
B2_N5(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



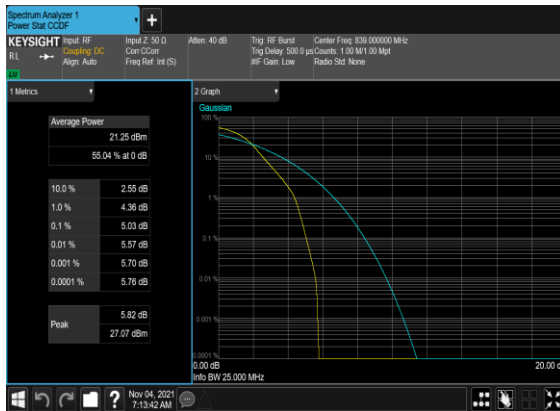
B2_N5(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



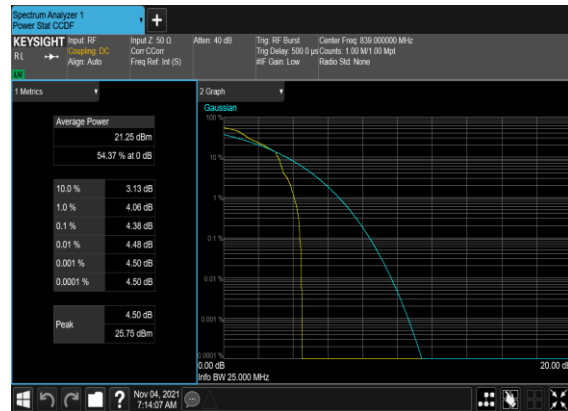
B2_N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



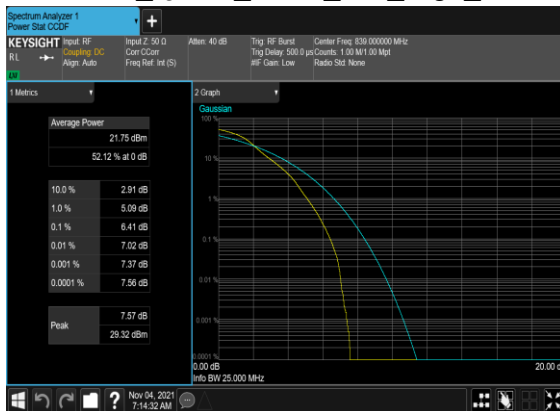
B2_N5(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



B2_N5(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



B2_N5(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



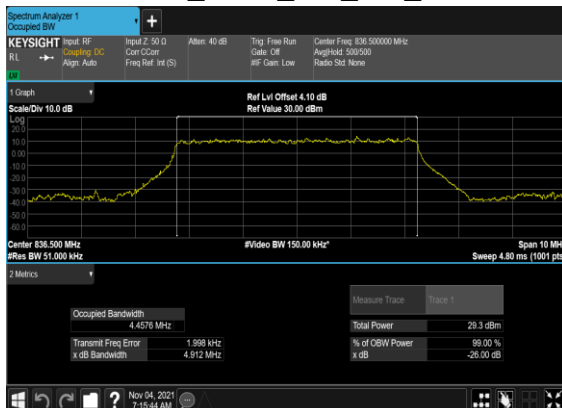
B2_N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



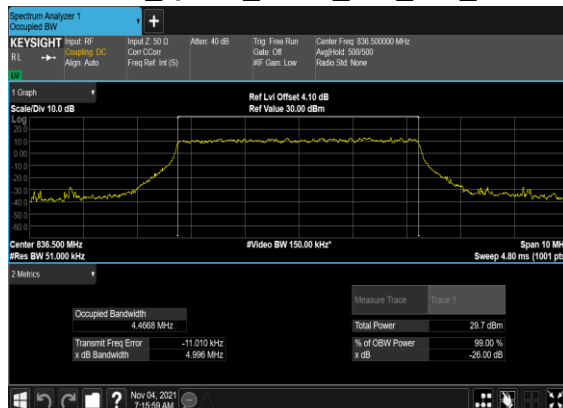
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
5	15	5	176300	836.5	DFT-s-OFDM PI/2 BPSK	25@0	4.4576	4.912
5	15	5	176300	836.5	DFT-s-OFDM QPSK	25@0	4.4668	4.996
5	15	5	176300	836.5	CP-OFDM QPSK	25@0	4.4752	5.167
5	15	5	176300	836.5	CP-OFDM 16 QAM	25@0	4.4818	5.13
5	15	5	176300	836.5	CP-OFDM 64 QAM	25@0	4.4731	5.08
5	15	5	176300	836.5	CP-OFDM 256 QAM	25@0	4.4845	5.09
5	15	10	176300	836.5	DFT-s-OFDM PI/2 BPSK	50@0	8.9017	9.591
5	15	10	176300	836.5	DFT-s-OFDM QPSK	50@0	8.8991	9.609
5	15	10	176300	836.5	CP-OFDM QPSK	52@0	9.2812	10.02
5	15	10	176300	836.5	CP-OFDM 16 QAM	52@0	9.2678	10.05
5	15	10	176300	836.5	CP-OFDM 64 QAM	52@0	9.2658	10.02
5	15	10	176300	836.5	CP-OFDM 256 QAM	52@0	9.2757	10.03
5	15	15	176300	836.5	DFT-s-OFDM PI/2 BPSK	75@0	13.372	14.18
5	15	15	176300	836.5	DFT-s-OFDM QPSK	75@0	13.39	14.28
5	15	15	176300	836.5	CP-OFDM QPSK	79@0	14.074	14.95
5	15	15	176300	836.5	CP-OFDM 16 QAM	79@0	14.095	14.83
5	15	15	176300	836.5	CP-OFDM 64 QAM	79@0	14.096	14.8
5	15	15	176300	836.5	CP-OFDM 256 QAM	79@0	14.074	14.99
5	15	20	176300	836.5	DFT-s-OFDM PI/2 BPSK	100@0	17.862	18.84
5	15	20	176300	836.5	DFT-s-OFDM QPSK	100@0	17.891	18.71
5	15	20	176300	836.5	CP-OFDM QPSK	106@0	18.907	19.74
5	15	20	176300	836.5	CP-OFDM 16 QAM	106@0	18.904	19.8
5	15	20	176300	836.5	CP-OFDM 64 QAM	106@0	18.846	19.79
5	15	20	176300	836.5	CP-OFDM 256 QAM	106@0	18.887	19.9

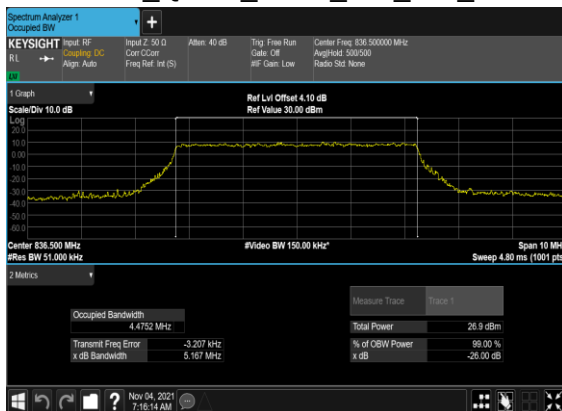
B2_N5(5M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



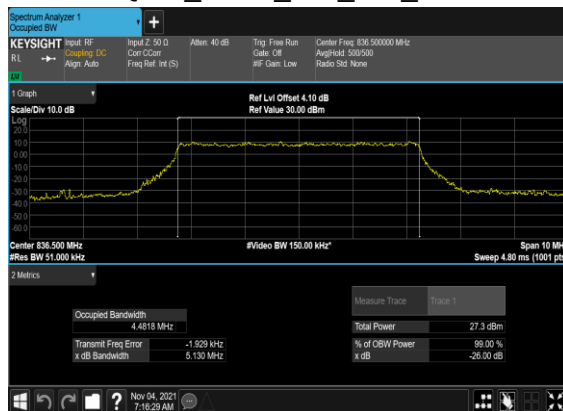
B2_N5(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



B2_N5(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



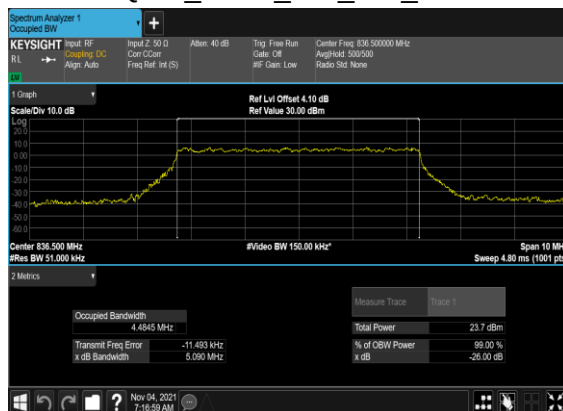
B2_N5(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



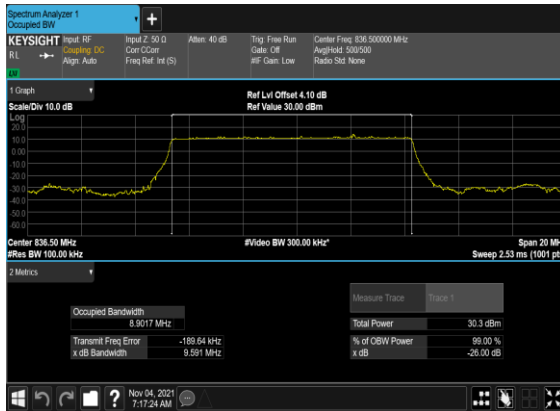
B2_N5(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



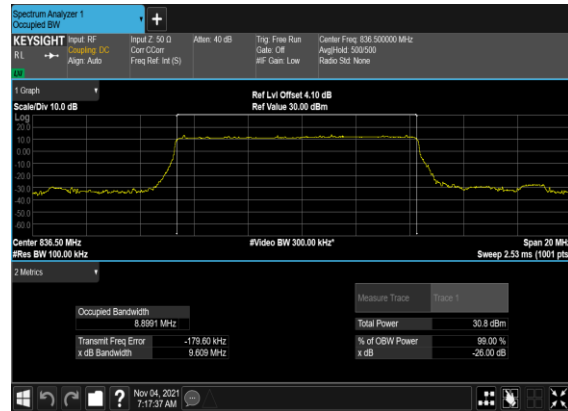
B2_N5(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



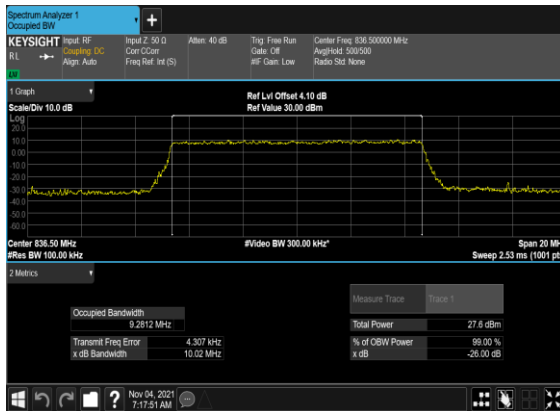
B2_N5(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



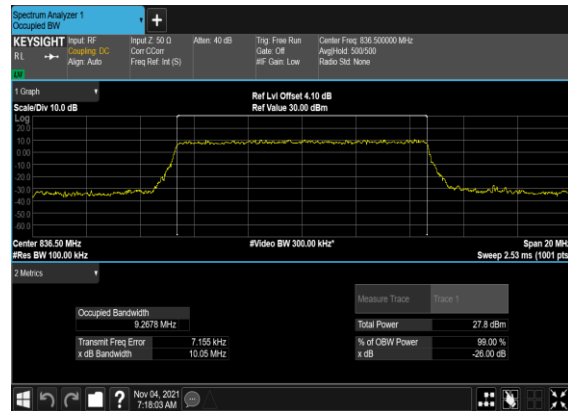
B2_N5(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



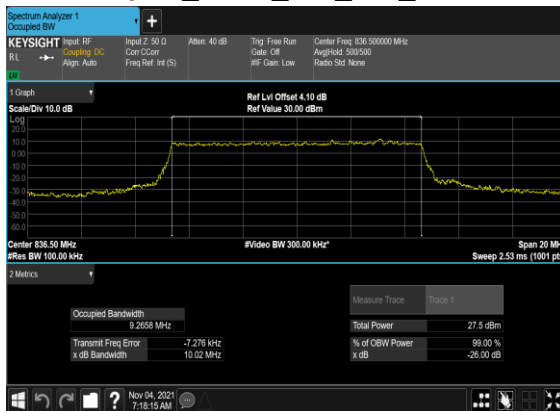
B2_N5(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



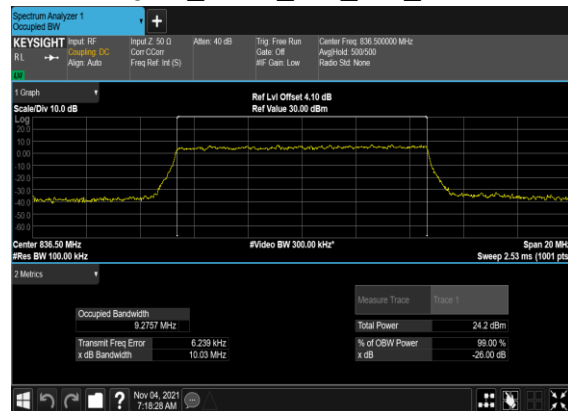
B2_N5(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



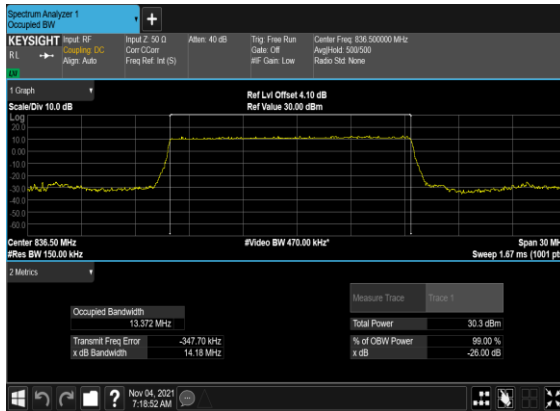
B2_N5(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



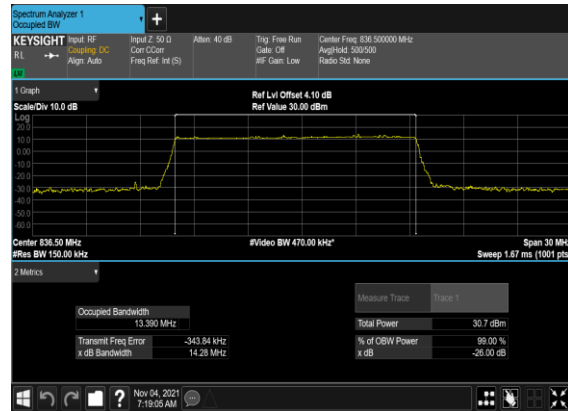
B2_N5(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



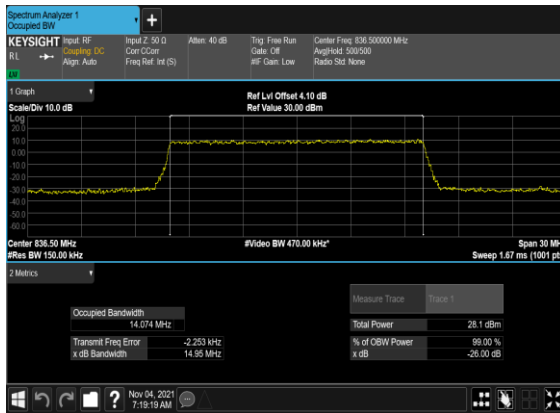
B2_N5(15M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



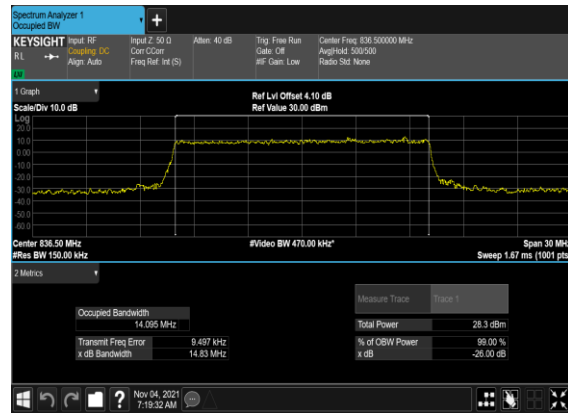
B2_N5(15M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



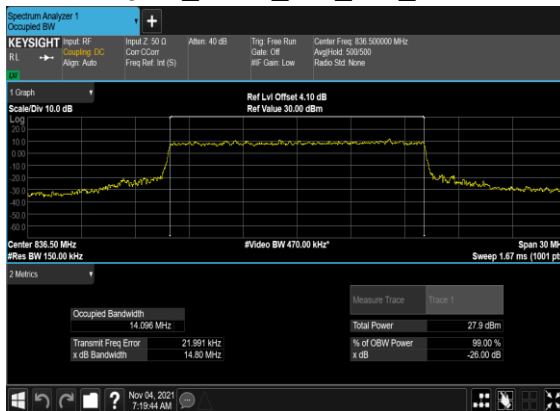
B2_N5(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



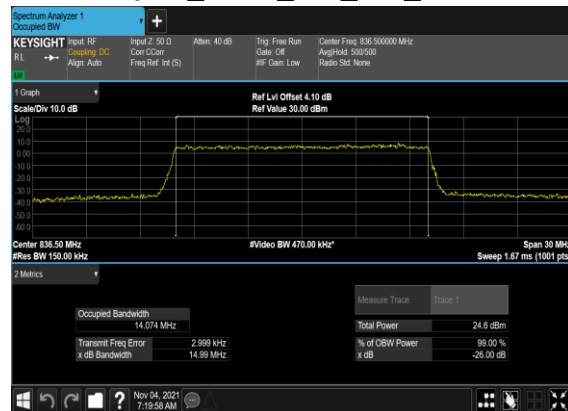
B2_N5(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



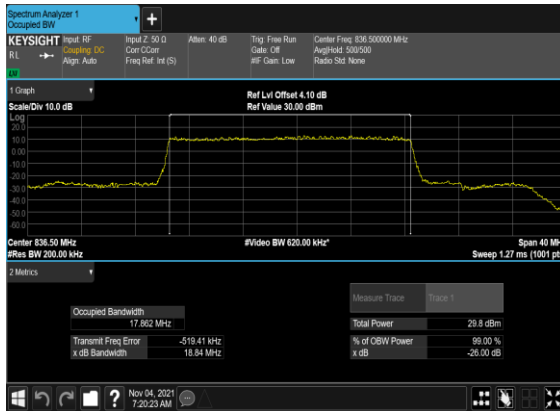
B2_N5(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



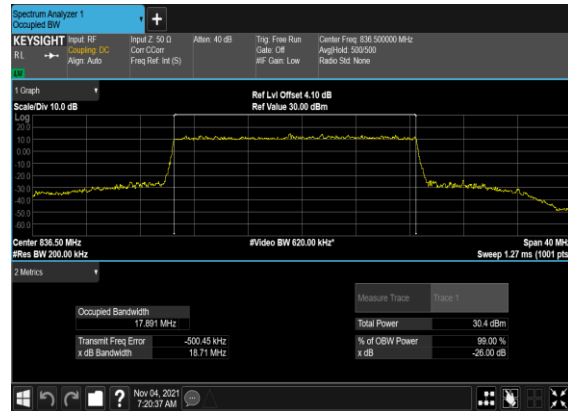
B2_N5(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



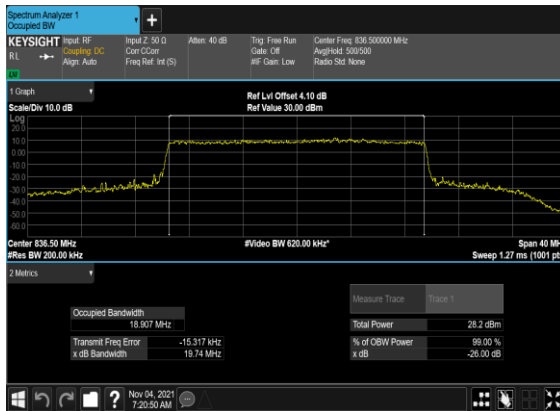
B2_N5(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



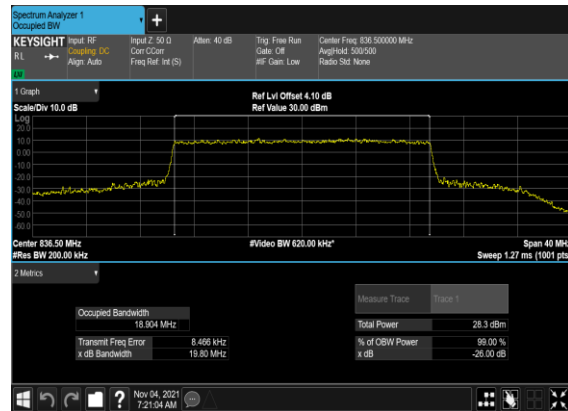
B2_N5(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



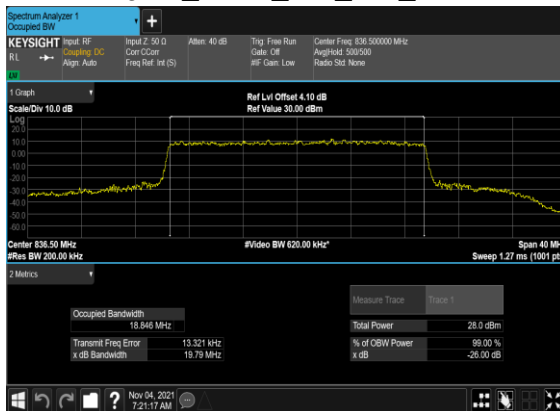
B2_N5(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



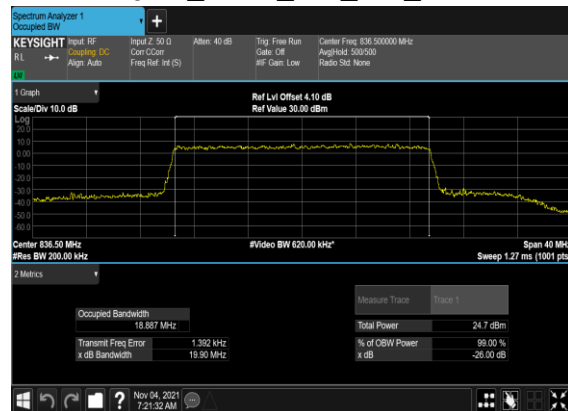
B2_N5(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B2_N5(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



B2_N5(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

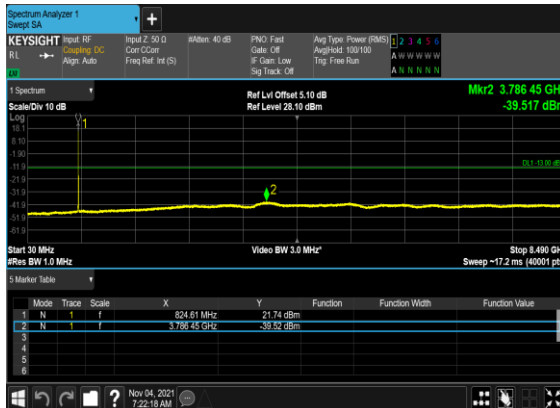


Conducted Spurious Emissions

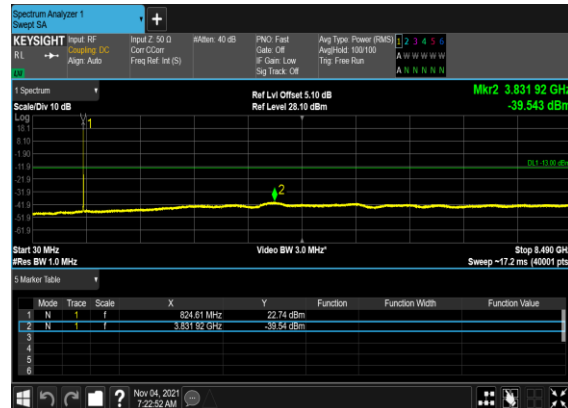
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
5	15	5	174300	826.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	5	174300	826.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	174300	826.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	5	174300	826.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	5	176300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	5	176300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	176300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	5	176300	836.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	5	178300	846.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	5	178300	846.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	178300	846.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	5	178300	846.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	10	174800	829.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	10	174800	829.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	10	174800	829.0	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	10	174800	829.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	10	176300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	10	176300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	10	176300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	10	176300	836.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	10	177800	844.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	10	177800	844.0	DFT-s-OFDM BPSK	1@0	see graph	PASS

5	15	10	177800	844.0	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	10	177800	844.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	20	175800	834.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	20	175800	834.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	175800	834.0	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	20	175800	834.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	20	176300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	20	176300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	176300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	20	176300	836.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	20	176800	839.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	20	176800	839.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	176800	839.0	DFT-s-OFDM QPSK	1@0	see graph	---
5	15	20	176800	839.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

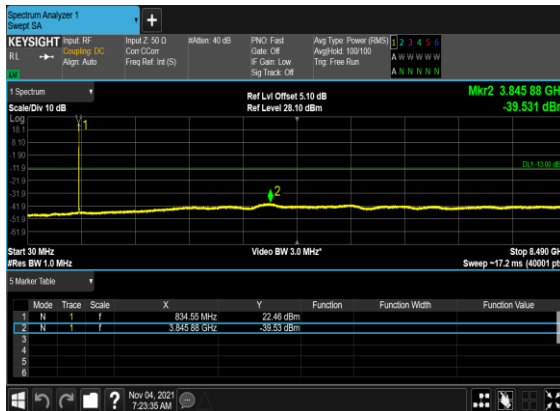
B2_N5(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



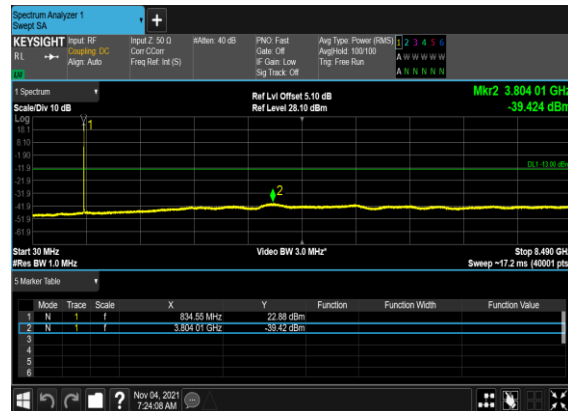
B2_N5(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



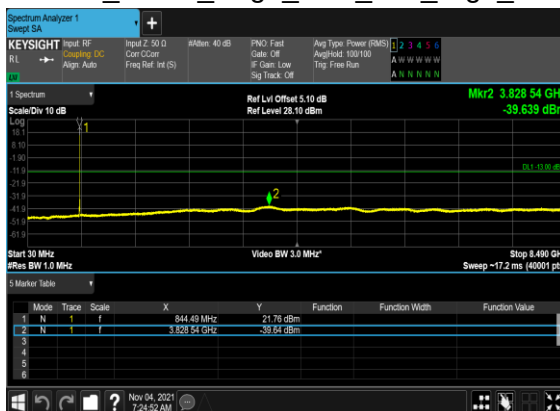
B2_N5(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



B2_N5(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



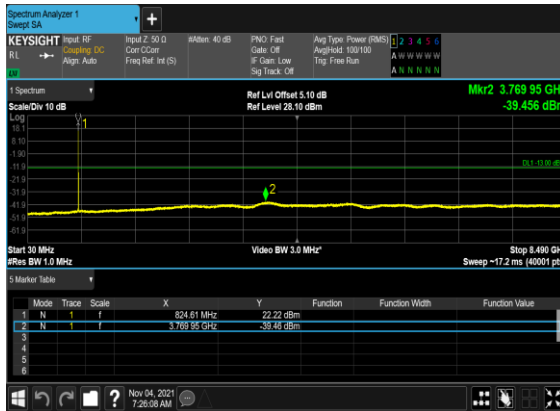
B2_N5(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



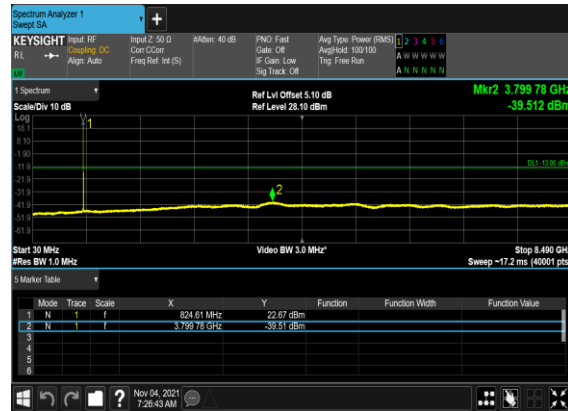
B2_N5(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



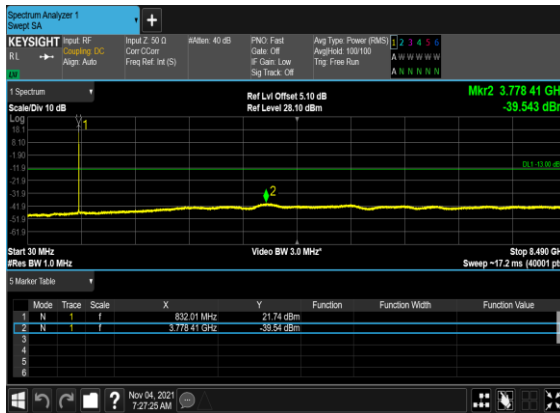
B2_N5(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



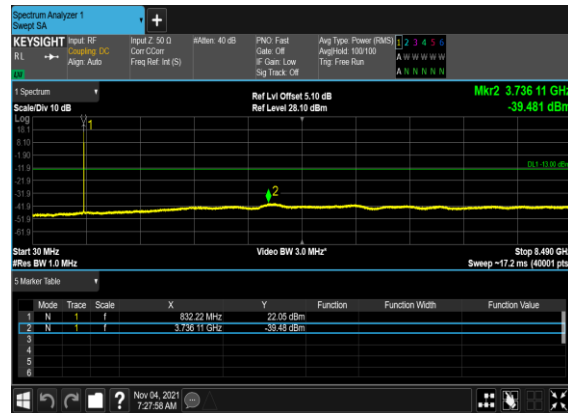
B2_N5(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



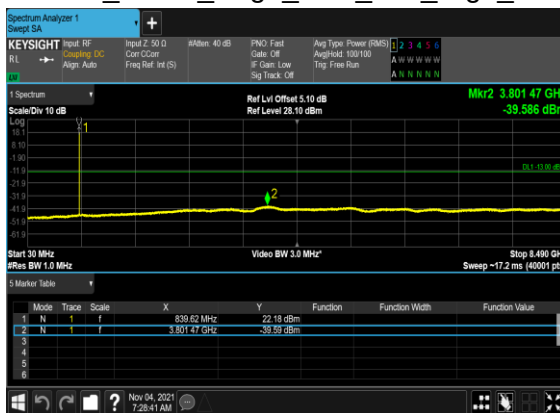
B2_N5(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



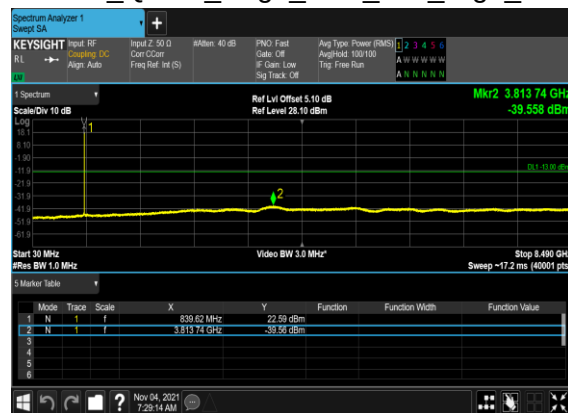
B2_N5(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



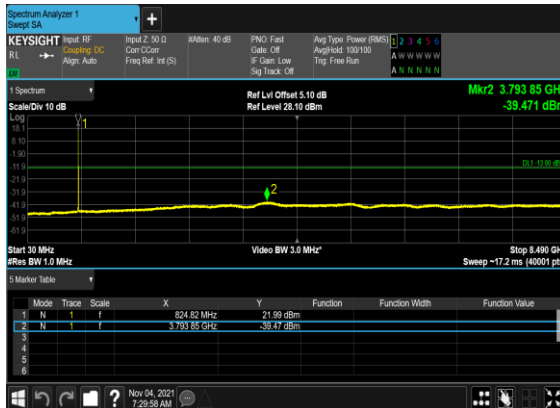
B2_N5(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



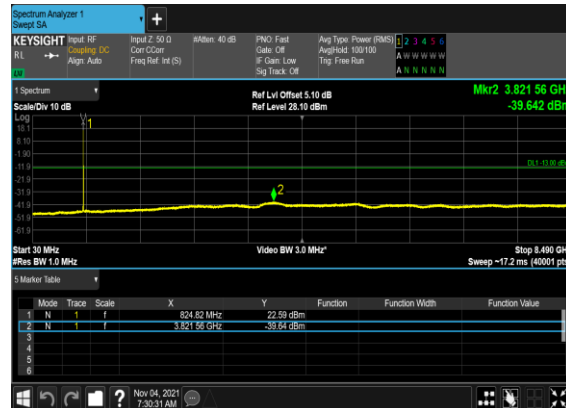
B2_N5(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



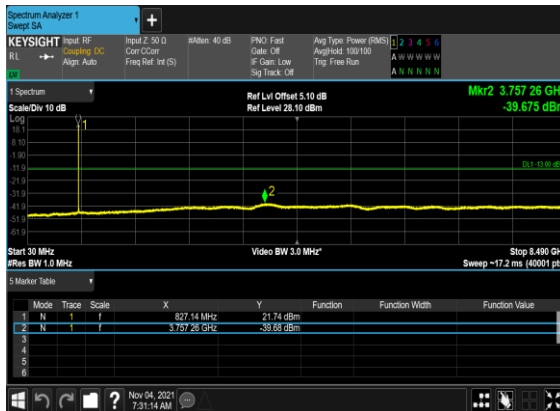
B2_N5(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



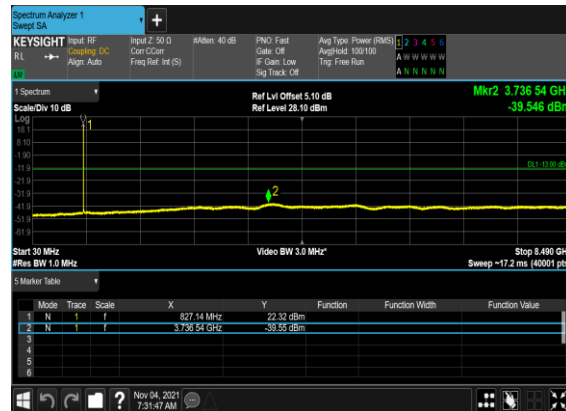
B2_N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



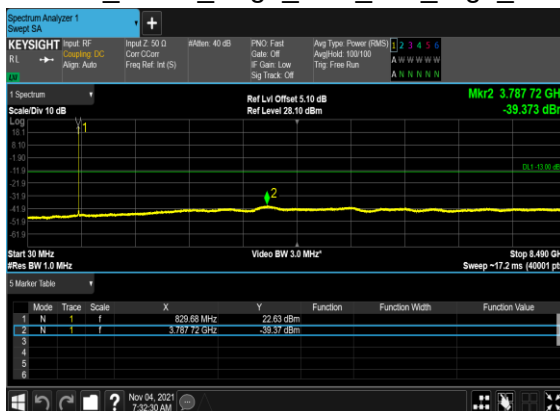
B2_N5(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



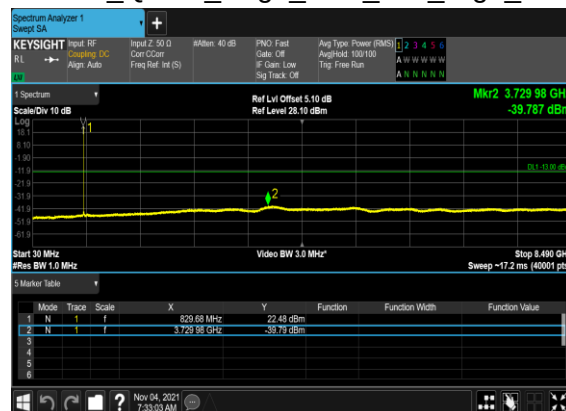
B2_N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N5(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



B2_N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

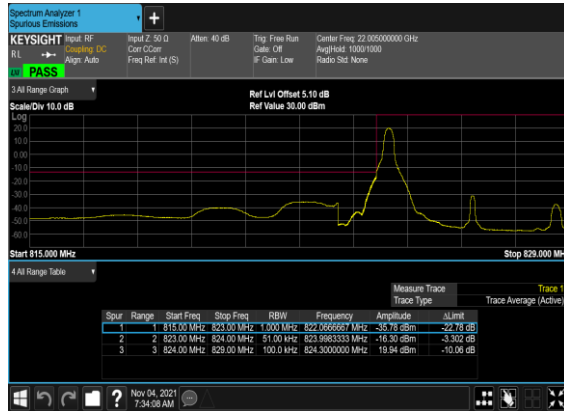


Conducted Band Edge

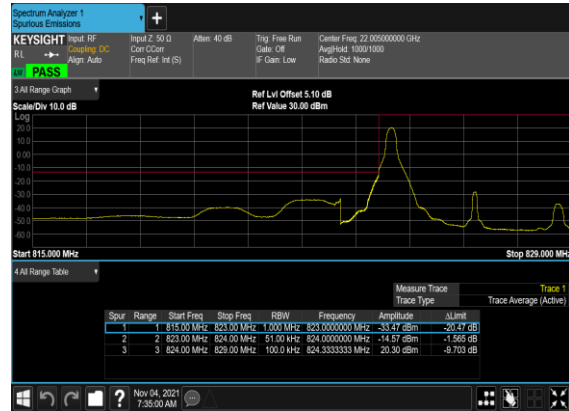
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
5	15	5	174300	826.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	174300	826.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	5	174300	826.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
5	15	5	174300	826.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
5	15	5	178300	846.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
5	15	5	178300	846.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
5	15	5	178300	846.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
5	15	5	178300	846.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
5	15	10	174800	829.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	10	174800	829.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	10	174800	829.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
5	15	10	174800	829.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
5	15	10	177800	844.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
5	15	10	177800	844.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
5	15	10	177800	844.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
5	15	10	177800	844.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
5	15	20	175800	834.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	175800	834.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	20	175800	834.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
5	15	20	175800	834.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
5	15	20	176800	839.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
5	15	20	176800	839.0	DFT-s-OFDM QPSK	1@105	see graph	PASS

5	15	20	176800	839.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
5	15	20	176800	839.0	DFT-s-OFDM QPSK	100@0	see graph	PASS

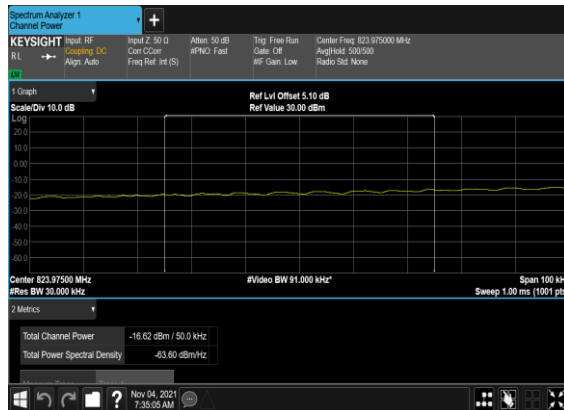
B2_N5(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



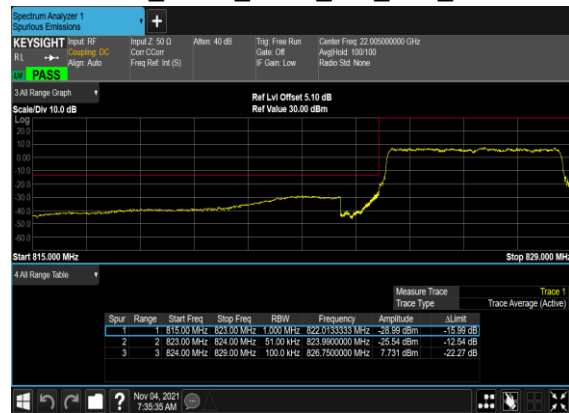
B2_N5(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



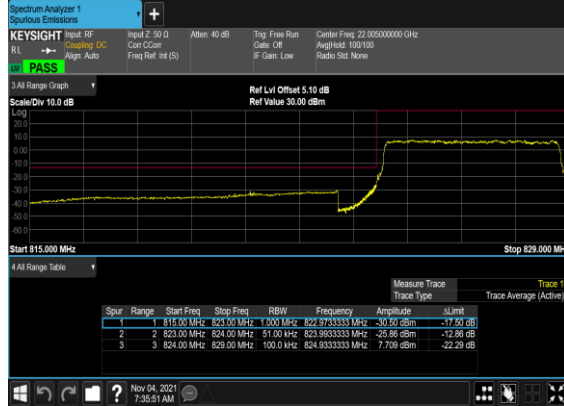
B2_N5(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



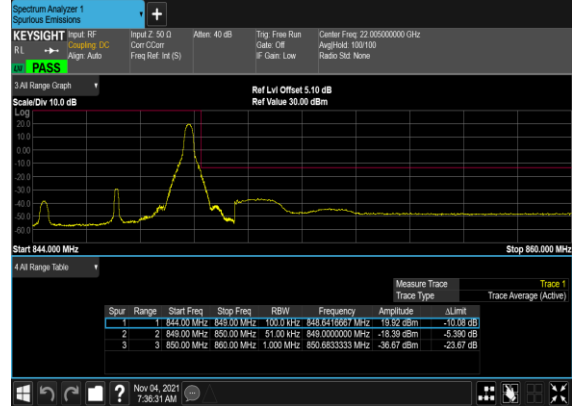
B2_N5(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



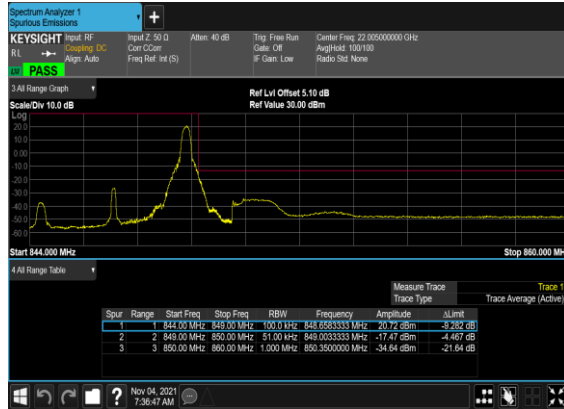
B2_N5(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



B2_N5(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



B2_N5(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



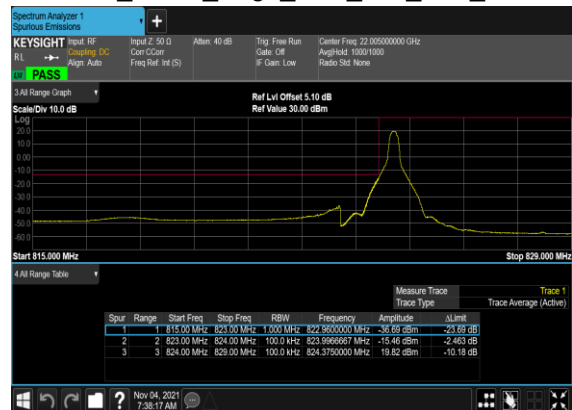
B2_N5(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



B2_N5(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



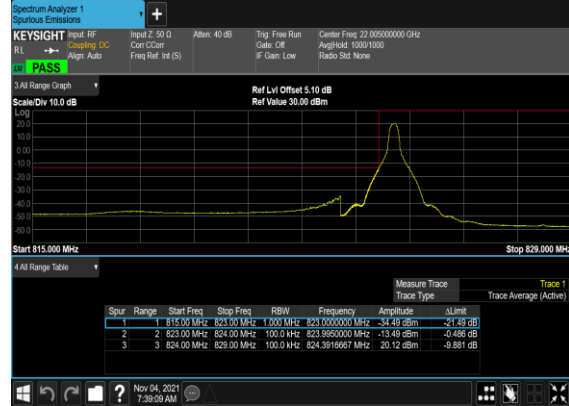
B2_N5(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



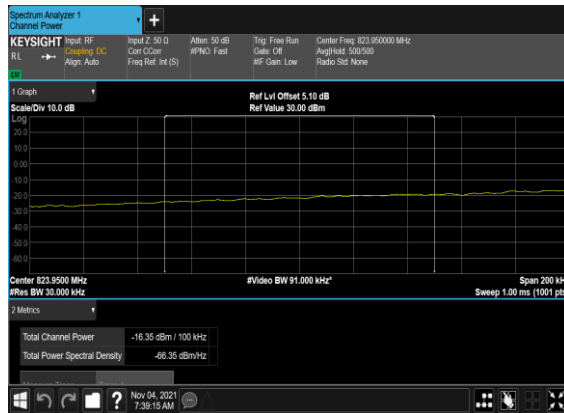
B2_N5(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH_chp_PA
SS



B2_N5(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



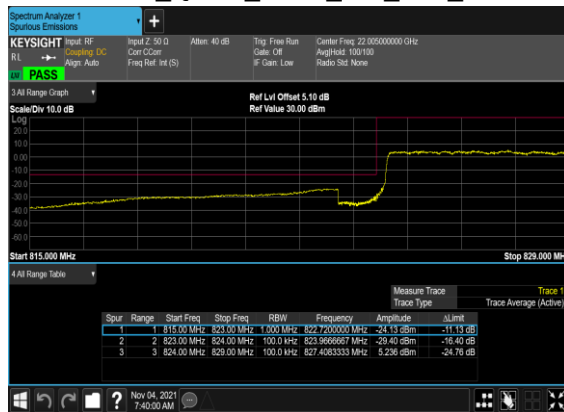
B2_N5(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_chp_PA
SS



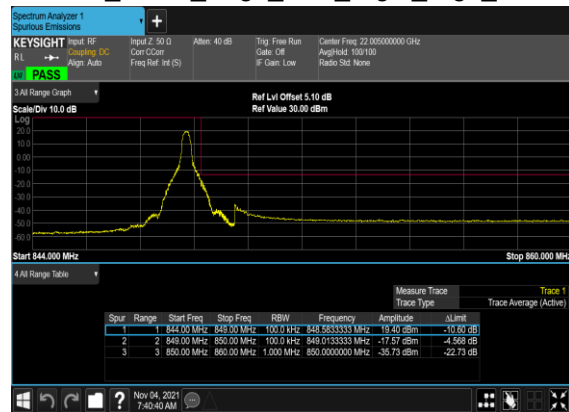
B2_N5(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



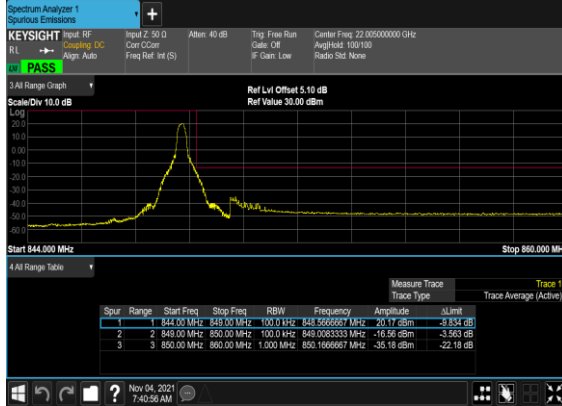
B2_N5(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



B2_N5(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



B2_N5(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



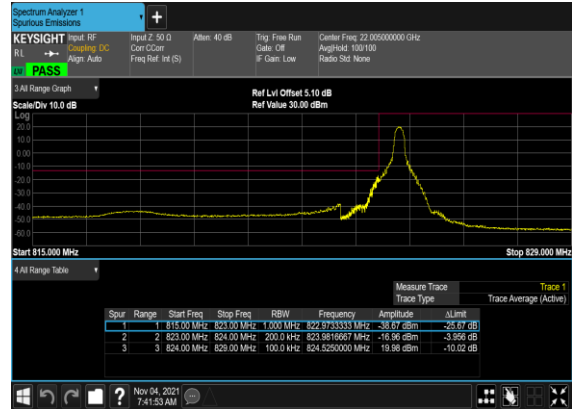
B2_N5(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



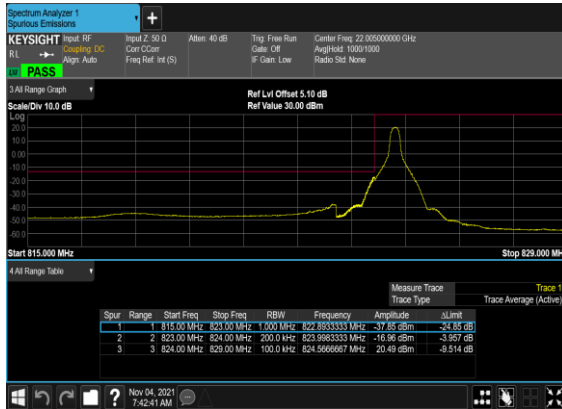
B2_N5(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



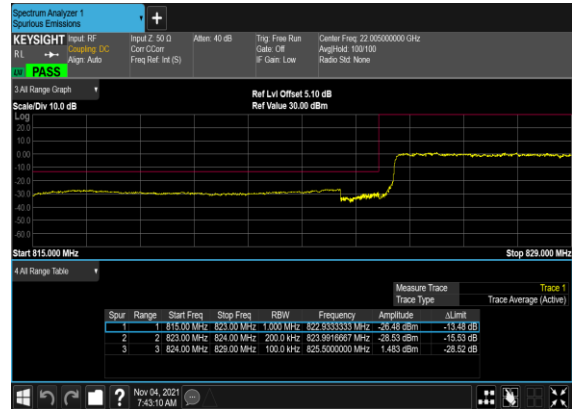
B2_N5(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



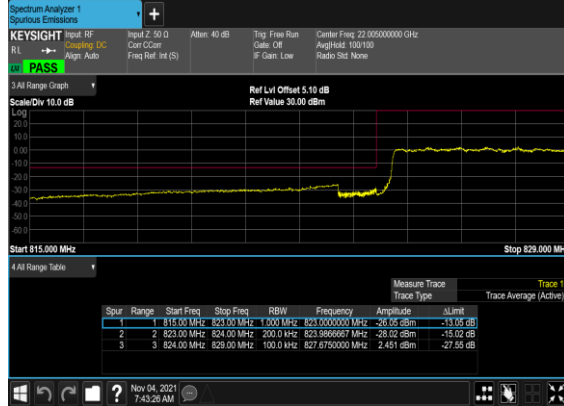
B2_N5(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



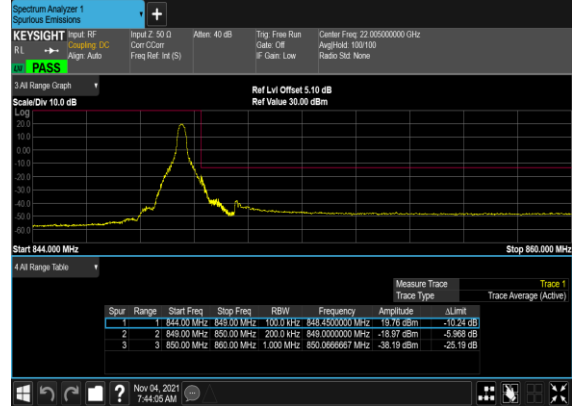
B2_N5(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



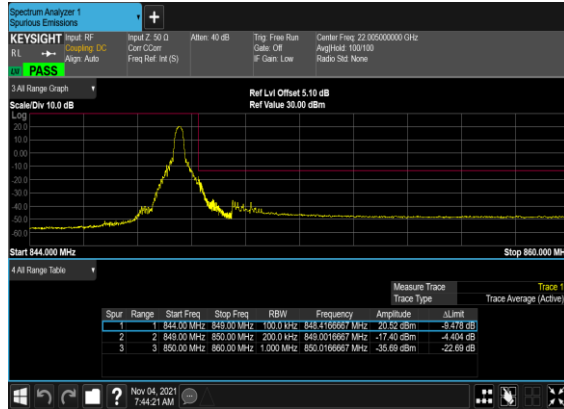
B2_N5(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



B2_N5(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



B2_N5(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B2_N5(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



B2_N5(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



FR1 N25(ANT3)

LTE Band: 12(ANT1), LTE BW: 10M, LTE ARFCN: Mid

Conducted Power and EIRP

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
25	15	5	386500	1852.5	DFT-s-OFDM PI/2 BPSK	12@6	23.25	21.25	0.1334
25	15	5	386500	1852.5	DFT-s-OFDM PI/2 BPSK	1@1	23.35	21.35	0.1365
25	15	5	386500	1852.5	DFT-s-OFDM PI/2 BPSK	1@23	23.35	21.35	0.1365
25	15	5	386500	1852.5	DFT-s-OFDM QPSK	12@6	23.32	21.32	0.1355
25	15	5	386500	1852.5	DFT-s-OFDM QPSK	1@1	23.36	21.36	0.1368
25	15	5	386500	1852.5	DFT-s-OFDM QPSK	1@23	23.35	21.35	0.1365
25	15	5	386500	1852.5	DFT-s-OFDM 16 QAM	12@6	22.56	20.56	0.1138
25	15	5	386500	1852.5	DFT-s-OFDM 16 QAM	1@1	22.61	20.61	0.1151
25	15	5	386500	1852.5	DFT-s-OFDM 16 QAM	1@23	22.6	20.6	0.1148
25	15	5	386500	1852.5	DFT-s-OFDM 64 QAM	12@6	21.58	19.58	0.0908
25	15	5	386500	1852.5	DFT-s-OFDM 64 QAM	1@1	21.73	19.73	0.0940
25	15	5	386500	1852.5	DFT-s-OFDM 64 QAM	1@23	21.75	19.75	0.0944
25	15	5	386500	1852.5	DFT-s-OFDM 256 QAM	12@6	20.33	18.33	0.0681
25	15	5	386500	1852.5	DFT-s-OFDM 256 QAM	1@1	19.73	17.73	0.0593
25	15	5	386500	1852.5	DFT-s-OFDM 256 QAM	1@23	19.8	17.8	0.0603
25	15	5	386500	1852.5	CP-OFDM QPSK	13@6	22.73	20.73	0.1183
25	15	5	386500	1852.5	CP-OFDM QPSK	1@1	22.79	20.79	0.1199
25	15	5	386500	1852.5	CP-OFDM QPSK	1@23	22.85	20.85	0.1216
25	15	5	392500	1882.5	DFT-s-OFDM PI/2 BPSK	12@6	23.28	21.28	0.1343
25	15	5	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	23.33	21.33	0.1358
25	15	5	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@23	23.35	21.35	0.1365
25	15	5	392500	1882.5	DFT-s-OFDM QPSK	12@6	23.26	21.26	0.1337
25	15	5	392500	1882.5	DFT-s-OFDM QPSK	1@1	23.34	21.34	0.1361
25	15	5	392500	1882.5	DFT-s-OFDM QPSK	1@23	23.37	21.37	0.1371
25	15	5	392500	1882.5	DFT-s-OFDM 16 QAM	12@6	22.55	20.55	0.1135
25	15	5	392500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.59	20.59	0.1146

25	15	5	392500	1882.5	DFT-s-OFDM 16 QAM	1@23	22.53	20.53	0.1130
25	15	5	392500	1882.5	DFT-s-OFDM 64 QAM	12@6	21.57	19.57	0.0906
25	15	5	392500	1882.5	DFT-s-OFDM 64 QAM	1@1	21.7	19.7	0.0933
25	15	5	392500	1882.5	DFT-s-OFDM 64 QAM	1@23	21.71	19.71	0.0935
25	15	5	392500	1882.5	DFT-s-OFDM 256 QAM	12@6	20.28	18.28	0.0673
25	15	5	392500	1882.5	DFT-s-OFDM 256 QAM	1@1	19.81	17.81	0.0604
25	15	5	392500	1882.5	DFT-s-OFDM 256 QAM	1@23	19.83	17.83	0.0607
25	15	5	392500	1882.5	CP-OFDM QPSK	13@6	22.76	20.76	0.1191
25	15	5	392500	1882.5	CP-OFDM QPSK	1@1	22.88	20.88	0.1225
25	15	5	392500	1882.5	CP-OFDM QPSK	1@23	22.82	20.82	0.1208
25	15	5	398500	1912.5	DFT-s-OFDM PI/2 BPSK	12@6	23.06	21.06	0.1276
25	15	5	398500	1912.5	DFT-s-OFDM PI/2 BPSK	1@1	23.04	21.04	0.1271
25	15	5	398500	1912.5	DFT-s-OFDM PI/2 BPSK	1@23	23.1	21.1	0.1288
25	15	5	398500	1912.5	DFT-s-OFDM QPSK	12@6	23.1	21.1	0.1288
25	15	5	398500	1912.5	DFT-s-OFDM QPSK	1@1	23.09	21.09	0.1285
25	15	5	398500	1912.5	DFT-s-OFDM QPSK	1@23	23.13	21.13	0.1297
25	15	5	398500	1912.5	DFT-s-OFDM 16 QAM	12@6	22.36	20.36	0.1086
25	15	5	398500	1912.5	DFT-s-OFDM 16 QAM	1@1	22.3	20.3	0.1072
25	15	5	398500	1912.5	DFT-s-OFDM 16 QAM	1@23	22.36	20.36	0.1086
25	15	5	398500	1912.5	DFT-s-OFDM 64 QAM	12@6	21.37	19.37	0.0865
25	15	5	398500	1912.5	DFT-s-OFDM 64 QAM	1@1	21.48	19.48	0.0887
25	15	5	398500	1912.5	DFT-s-OFDM 64 QAM	1@23	21.46	19.46	0.0883
25	15	5	398500	1912.5	DFT-s-OFDM 256 QAM	12@6	20.12	18.12	0.0649
25	15	5	398500	1912.5	DFT-s-OFDM 256 QAM	1@1	19.61	17.61	0.0577
25	15	5	398500	1912.5	DFT-s-OFDM 256 QAM	1@23	19.6	17.6	0.0575
25	15	5	398500	1912.5	CP-OFDM QPSK	13@6	22.51	20.51	0.1125
25	15	5	398500	1912.5	CP-OFDM QPSK	1@1	22.65	20.65	0.1161
25	15	5	398500	1912.5	CP-OFDM QPSK	1@23	22.59	20.59	0.1146
25	15	10	387000	1855	DFT-s-OFDM PI/2 BPSK	25@12	23.27	21.27	0.1340
25	15	10	387000	1855	DFT-s-OFDM PI/2 BPSK	1@1	23.21	21.21	0.1321
25	15	10	387000	1855	DFT-s-OFDM PI/2 BPSK	1@50	23.34	21.34	0.1361
25	15	10	387000	1855	DFT-s-OFDM QPSK	25@12	23.29	21.29	0.1346
25	15	10	387000	1855	DFT-s-OFDM QPSK	1@1	23.24	21.24	0.1330
25	15	10	387000	1855	DFT-s-OFDM QPSK	1@50	23.35	21.35	0.1365

25	15	10	387000	1855	DFT-s-OFDM 16 QAM	25@12	22.48	20.48	0.1117
25	15	10	387000	1855	DFT-s-OFDM 16 QAM	1@1	22.43	20.43	0.1104
25	15	10	387000	1855	DFT-s-OFDM 16 QAM	1@50	22.46	20.46	0.1112
25	15	10	387000	1855	DFT-s-OFDM 64 QAM	25@12	21.46	19.46	0.0883
25	15	10	387000	1855	DFT-s-OFDM 64 QAM	1@1	21.59	19.59	0.0910
25	15	10	387000	1855	DFT-s-OFDM 64 QAM	1@50	21.61	19.61	0.0914
25	15	10	387000	1855	DFT-s-OFDM 256 QAM	25@12	20.21	18.21	0.0662
25	15	10	387000	1855	DFT-s-OFDM 256 QAM	1@1	19.7	17.7	0.0589
25	15	10	387000	1855	DFT-s-OFDM 256 QAM	1@50	19.67	17.67	0.0585
25	15	10	387000	1855	CP-OFDM QPSK	26@13	22.72	20.72	0.1180
25	15	10	387000	1855	CP-OFDM QPSK	1@1	22.75	20.75	0.1189
25	15	10	387000	1855	CP-OFDM QPSK	1@50	22.77	20.77	0.1194
25	15	10	392500	1882.5	DFT-s-OFDM PI/2 BPSK	25@12	23.21	21.21	0.1321
25	15	10	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	23.18	21.18	0.1312
25	15	10	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@50	23.2	21.2	0.1318
25	15	10	392500	1882.5	DFT-s-OFDM QPSK	25@12	23.21	21.21	0.1321
25	15	10	392500	1882.5	DFT-s-OFDM QPSK	1@1	23.23	21.23	0.1327
25	15	10	392500	1882.5	DFT-s-OFDM QPSK	1@50	23.22	21.22	0.1324
25	15	10	392500	1882.5	DFT-s-OFDM 16 QAM	25@12	22.45	20.45	0.1109
25	15	10	392500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.45	20.45	0.1109
25	15	10	392500	1882.5	DFT-s-OFDM 16 QAM	1@50	22.42	20.42	0.1102
25	15	10	392500	1882.5	DFT-s-OFDM 64 QAM	25@12	21.44	19.44	0.0879
25	15	10	392500	1882.5	DFT-s-OFDM 64 QAM	1@1	21.57	19.57	0.0906
25	15	10	392500	1882.5	DFT-s-OFDM 64 QAM	1@50	21.54	19.54	0.0899
25	15	10	392500	1882.5	DFT-s-OFDM 256 QAM	25@12	20.19	18.19	0.0659
25	15	10	392500	1882.5	DFT-s-OFDM 256 QAM	1@1	19.67	17.67	0.0585
25	15	10	392500	1882.5	DFT-s-OFDM 256 QAM	1@50	19.63	17.63	0.0579
25	15	10	392500	1882.5	CP-OFDM QPSK	26@13	22.68	20.68	0.1169
25	15	10	392500	1882.5	CP-OFDM QPSK	1@1	22.75	20.75	0.1189
25	15	10	392500	1882.5	CP-OFDM QPSK	1@50	22.72	20.72	0.1180
25	15	10	398000	1910	DFT-s-OFDM PI/2 BPSK	25@12	23.13	21.13	0.1297
25	15	10	398000	1910	DFT-s-OFDM PI/2 BPSK	1@1	23.09	21.09	0.1285
25	15	10	398000	1910	DFT-s-OFDM PI/2 BPSK	1@50	23.09	21.09	0.1285
25	15	10	398000	1910	DFT-s-OFDM QPSK	25@12	23.15	21.15	0.1303

25	15	10	398000	1910	DFT-s-OFDM QPSK	1@1	23.09	21.09	0.1285
25	15	10	398000	1910	DFT-s-OFDM QPSK	1@50	23.12	21.12	0.1294
25	15	10	398000	1910	DFT-s-OFDM 16 QAM	25@12	22.36	20.36	0.1086
25	15	10	398000	1910	DFT-s-OFDM 16 QAM	1@1	22.2	20.2	0.1047
25	15	10	398000	1910	DFT-s-OFDM 16 QAM	1@50	22.29	20.29	0.1069
25	15	10	398000	1910	DFT-s-OFDM 64 QAM	25@12	21.27	19.27	0.0845
25	15	10	398000	1910	DFT-s-OFDM 64 QAM	1@1	21.37	19.37	0.0865
25	15	10	398000	1910	DFT-s-OFDM 64 QAM	1@50	21.42	19.42	0.0875
25	15	10	398000	1910	DFT-s-OFDM 256 QAM	25@12	20.02	18.02	0.0634
25	15	10	398000	1910	DFT-s-OFDM 256 QAM	1@1	19.46	17.46	0.0557
25	15	10	398000	1910	DFT-s-OFDM 256 QAM	1@50	19.46	17.46	0.0557
25	15	10	398000	1910	CP-OFDM QPSK	26@13	22.54	20.54	0.1132
25	15	10	398000	1910	CP-OFDM QPSK	1@1	22.56	20.56	0.1138
25	15	10	398000	1910	CP-OFDM QPSK	1@50	22.58	20.58	0.1143
25	15	15	387500	1857.5	DFT-s-OFDM PI/2 BPSK	36@18	23.47	21.47	0.1403
25	15	15	387500	1857.5	DFT-s-OFDM PI/2 BPSK	1@1	23.43	21.43	0.1390
25	15	15	387500	1857.5	DFT-s-OFDM PI/2 BPSK	1@77	23.52	21.52	0.1419
25	15	15	387500	1857.5	DFT-s-OFDM QPSK	36@18	23.47	21.47	0.1403
25	15	15	387500	1857.5	DFT-s-OFDM QPSK	1@1	23.39	21.39	0.1377
25	15	15	387500	1857.5	DFT-s-OFDM QPSK	1@77	23.55	21.55	0.1429
25	15	15	387500	1857.5	DFT-s-OFDM 16 QAM	36@18	22.69	20.69	0.1172
25	15	15	387500	1857.5	DFT-s-OFDM 16 QAM	1@1	22.67	20.67	0.1167
25	15	15	387500	1857.5	DFT-s-OFDM 16 QAM	1@77	22.75	20.75	0.1189
25	15	15	387500	1857.5	DFT-s-OFDM 64 QAM	36@18	21.69	19.69	0.0931
25	15	15	387500	1857.5	DFT-s-OFDM 64 QAM	1@1	21.8	19.8	0.0955
25	15	15	387500	1857.5	DFT-s-OFDM 64 QAM	1@77	21.91	19.91	0.0979
25	15	15	387500	1857.5	DFT-s-OFDM 256 QAM	36@18	20.4	18.4	0.0692
25	15	15	387500	1857.5	DFT-s-OFDM 256 QAM	1@1	19.82	17.82	0.0605
25	15	15	387500	1857.5	DFT-s-OFDM 256 QAM	1@77	19.95	17.95	0.0624
25	15	15	387500	1857.5	CP-OFDM QPSK	39@19	22.9	20.9	0.1230
25	15	15	387500	1857.5	CP-OFDM QPSK	1@1	22.98	20.98	0.1253
25	15	15	387500	1857.5	CP-OFDM QPSK	1@77	22.99	20.99	0.1256
25	15	15	392500	1882.5	DFT-s-OFDM PI/2 BPSK	36@18	23.39	21.39	0.1377
25	15	15	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	23.5	21.5	0.1413

25	15	15	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@77	23.41	21.41	0.1384
25	15	15	392500	1882.5	DFT-s-OFDM QPSK	36@18	23.4	21.4	0.1380
25	15	15	392500	1882.5	DFT-s-OFDM QPSK	1@1	23.42	21.42	0.1387
25	15	15	392500	1882.5	DFT-s-OFDM QPSK	1@77	23.42	21.42	0.1387
25	15	15	392500	1882.5	DFT-s-OFDM 16 QAM	36@18	22.64	20.64	0.1159
25	15	15	392500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.63	20.63	0.1156
25	15	15	392500	1882.5	DFT-s-OFDM 16 QAM	1@77	22.68	20.68	0.1169
25	15	15	392500	1882.5	DFT-s-OFDM 64 QAM	36@18	21.59	19.59	0.0910
25	15	15	392500	1882.5	DFT-s-OFDM 64 QAM	1@1	21.82	19.82	0.0959
25	15	15	392500	1882.5	DFT-s-OFDM 64 QAM	1@77	21.84	19.84	0.0964
25	15	15	392500	1882.5	DFT-s-OFDM 256 QAM	36@18	20.38	18.38	0.0689
25	15	15	392500	1882.5	DFT-s-OFDM 256 QAM	1@1	19.84	17.84	0.0608
25	15	15	392500	1882.5	DFT-s-OFDM 256 QAM	1@77	19.89	17.89	0.0615
25	15	15	392500	1882.5	CP-OFDM QPSK	39@19	22.9	20.9	0.1230
25	15	15	392500	1882.5	CP-OFDM QPSK	1@1	22.93	20.93	0.1239
25	15	15	392500	1882.5	CP-OFDM QPSK	1@77	22.92	20.92	0.1236
25	15	15	397500	1907.5	DFT-s-OFDM PI/2 BPSK	36@18	23.3	21.3	0.1349
25	15	15	397500	1907.5	DFT-s-OFDM PI/2 BPSK	1@1	23.27	21.27	0.1340
25	15	15	397500	1907.5	DFT-s-OFDM PI/2 BPSK	1@77	23.31	21.31	0.1352
25	15	15	397500	1907.5	DFT-s-OFDM QPSK	36@18	23.3	21.3	0.1349
25	15	15	397500	1907.5	DFT-s-OFDM QPSK	1@1	23.34	21.34	0.1361
25	15	15	397500	1907.5	DFT-s-OFDM QPSK	1@77	23.33	21.33	0.1358
25	15	15	397500	1907.5	DFT-s-OFDM 16 QAM	36@18	22.49	20.49	0.1119
25	15	15	397500	1907.5	DFT-s-OFDM 16 QAM	1@1	22.53	20.53	0.1130
25	15	15	397500	1907.5	DFT-s-OFDM 16 QAM	1@77	22.45	20.45	0.1109
25	15	15	397500	1907.5	DFT-s-OFDM 64 QAM	36@18	21.44	19.44	0.0879
25	15	15	397500	1907.5	DFT-s-OFDM 64 QAM	1@1	21.7	19.7	0.0933
25	15	15	397500	1907.5	DFT-s-OFDM 64 QAM	1@77	21.74	19.74	0.0942
25	15	15	397500	1907.5	DFT-s-OFDM 256 QAM	36@18	20.23	18.23	0.0665
25	15	15	397500	1907.5	DFT-s-OFDM 256 QAM	1@1	19.77	17.77	0.0598
25	15	15	397500	1907.5	DFT-s-OFDM 256 QAM	1@77	19.79	17.79	0.0601
25	15	15	397500	1907.5	CP-OFDM QPSK	39@19	22.77	20.77	0.1194
25	15	15	397500	1907.5	CP-OFDM QPSK	1@1	22.85	20.85	0.1216
25	15	15	397500	1907.5	CP-OFDM QPSK	1@77	22.75	20.75	0.1189

25	15	20	388000	1860	DFT-s-OFDM PI/2 BPSK	50@25	23.45	21.45	0.1396
25	15	20	388000	1860	DFT-s-OFDM PI/2 BPSK	1@1	23.36	21.36	0.1368
25	15	20	388000	1860	DFT-s-OFDM PI/2 BPSK	1@104	23.49	21.49	0.1409
25	15	20	388000	1860	DFT-s-OFDM QPSK	50@25	23.49	21.49	0.1409
25	15	20	388000	1860	DFT-s-OFDM QPSK	1@1	23.4	21.4	0.1380
25	15	20	388000	1860	DFT-s-OFDM QPSK	1@104	23.49	21.49	0.1409
25	15	20	388000	1860	DFT-s-OFDM 16 QAM	50@25	22.57	20.57	0.1140
25	15	20	388000	1860	DFT-s-OFDM 16 QAM	1@1	22.59	20.59	0.1146
25	15	20	388000	1860	DFT-s-OFDM 16 QAM	1@104	22.72	20.72	0.1180
25	15	20	388000	1860	DFT-s-OFDM 64 QAM	50@25	21.6	19.6	0.0912
25	15	20	388000	1860	DFT-s-OFDM 64 QAM	1@1	21.76	19.76	0.0946
25	15	20	388000	1860	DFT-s-OFDM 64 QAM	1@104	21.9	19.9	0.0977
25	15	20	388000	1860	DFT-s-OFDM 256 QAM	50@25	20.32	18.32	0.0679
25	15	20	388000	1860	DFT-s-OFDM 256 QAM	1@1	19.85	17.85	0.0610
25	15	20	388000	1860	DFT-s-OFDM 256 QAM	1@104	19.92	17.92	0.0619
25	15	20	388000	1860	CP-OFDM QPSK	53@26	22.87	20.87	0.1222
25	15	20	388000	1860	CP-OFDM QPSK	1@1	22.9	20.9	0.1230
25	15	20	388000	1860	CP-OFDM QPSK	1@104	22.96	20.96	0.1247
25	15	20	392500	1882.5	DFT-s-OFDM PI/2 BPSK	50@25	23.38	21.38	0.1374
25	15	20	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	23.39	21.39	0.1377
25	15	20	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@104	23.36	21.36	0.1368
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	50@25	23.38	21.38	0.1374
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	1@1	23.43	21.43	0.1390
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	1@104	23.34	21.34	0.1361
25	15	20	392500	1882.5	DFT-s-OFDM 16 QAM	50@25	22.56	20.56	0.1138
25	15	20	392500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.7	20.7	0.1175
25	15	20	392500	1882.5	DFT-s-OFDM 16 QAM	1@104	22.58	20.58	0.1143
25	15	20	392500	1882.5	DFT-s-OFDM 64 QAM	50@25	21.64	19.64	0.0920
25	15	20	392500	1882.5	DFT-s-OFDM 64 QAM	1@1	21.9	19.9	0.0977
25	15	20	392500	1882.5	DFT-s-OFDM 64 QAM	1@104	21.76	19.76	0.0946
25	15	20	392500	1882.5	DFT-s-OFDM 256 QAM	50@25	20.34	18.34	0.0682
25	15	20	392500	1882.5	DFT-s-OFDM 256 QAM	1@1	19.91	17.91	0.0618
25	15	20	392500	1882.5	DFT-s-OFDM 256 QAM	1@104	19.76	17.76	0.0597
25	15	20	392500	1882.5	CP-OFDM QPSK	53@26	22.82	20.82	0.1208

25	15	20	392500	1882.5	CP-OFDM QPSK	1@1	22.88	20.88	0.1225
25	15	20	392500	1882.5	CP-OFDM QPSK	1@104	22.81	20.81	0.1205
25	15	20	397000	1905	DFT-s-OFDM PI/2 BPSK	50@25	23.28	21.28	0.1343
25	15	20	397000	1905	DFT-s-OFDM PI/2 BPSK	1@1	23.29	21.29	0.1346
25	15	20	397000	1905	DFT-s-OFDM PI/2 BPSK	1@104	23.29	21.29	0.1346
25	15	20	397000	1905	DFT-s-OFDM QPSK	50@25	23.22	21.22	0.1324
25	15	20	397000	1905	DFT-s-OFDM QPSK	1@1	23.26	21.26	0.1337
25	15	20	397000	1905	DFT-s-OFDM QPSK	1@104	23.29	21.29	0.1346
25	15	20	397000	1905	DFT-s-OFDM 16 QAM	50@25	22.42	20.42	0.1102
25	15	20	397000	1905	DFT-s-OFDM 16 QAM	1@1	22.44	20.44	0.1107
25	15	20	397000	1905	DFT-s-OFDM 16 QAM	1@104	22.47	20.47	0.1114
25	15	20	397000	1905	DFT-s-OFDM 64 QAM	50@25	21.5	19.5	0.0891
25	15	20	397000	1905	DFT-s-OFDM 64 QAM	1@1	21.64	19.64	0.0920
25	15	20	397000	1905	DFT-s-OFDM 64 QAM	1@104	21.61	19.61	0.0914
25	15	20	397000	1905	DFT-s-OFDM 256 QAM	50@25	20.2	18.2	0.0661
25	15	20	397000	1905	DFT-s-OFDM 256 QAM	1@1	19.7	17.7	0.0589
25	15	20	397000	1905	DFT-s-OFDM 256 QAM	1@104	19.71	17.71	0.0590
25	15	20	397000	1905	CP-OFDM QPSK	53@26	22.72	20.72	0.1180
25	15	20	397000	1905	CP-OFDM QPSK	1@1	22.84	20.84	0.1213
25	15	20	397000	1905	CP-OFDM QPSK	1@104	22.72	20.72	0.1180
25	15	25	388500	1862.5	DFT-s-OFDM PI/2 BPSK	64@32	22.67	20.67	0.1167
25	15	25	388500	1862.5	DFT-s-OFDM PI/2 BPSK	1@1	22.71	20.71	0.1178
25	15	25	388500	1862.5	DFT-s-OFDM PI/2 BPSK	1@131	22.71	20.71	0.1178
25	15	25	388500	1862.5	DFT-s-OFDM QPSK	64@32	24.09	22.09	0.1618
25	15	25	388500	1862.5	DFT-s-OFDM QPSK	1@1	24.18	22.18	0.1652
25	15	25	388500	1862.5	DFT-s-OFDM QPSK	1@131	24.13	22.13	0.1633
25	15	25	388500	1862.5	DFT-s-OFDM 16 QAM	64@32	23.18	21.18	0.1312
25	15	25	388500	1862.5	DFT-s-OFDM 16 QAM	1@1	23.13	21.13	0.1297
25	15	25	388500	1862.5	DFT-s-OFDM 16 QAM	1@131	23.22	21.22	0.1324
25	15	25	388500	1862.5	DFT-s-OFDM 64 QAM	64@32	21.75	19.75	0.0944
25	15	25	388500	1862.5	DFT-s-OFDM 64 QAM	1@1	21.85	19.85	0.0966
25	15	25	388500	1862.5	DFT-s-OFDM 64 QAM	1@131	21.9	19.9	0.0977
25	15	25	388500	1862.5	DFT-s-OFDM 256 QAM	64@32	19.68	17.68	0.0586
25	15	25	388500	1862.5	DFT-s-OFDM 256 QAM	1@1	19.18	17.18	0.0522

25	15	25	388500	1862.5	DFT-s-OFDM 256 QAM	1@131	19.21	17.21	0.0526
25	15	25	388500	1862.5	CP-OFDM QPSK	67@33	22.71	20.71	0.1178
25	15	25	388500	1862.5	CP-OFDM QPSK	1@1	22.7	20.7	0.1175
25	15	25	388500	1862.5	CP-OFDM QPSK	1@131	22.8	20.8	0.1202
25	15	25	392500	1882.5	DFT-s-OFDM PI/2 BPSK	64@32	22.6	20.6	0.1148
25	15	25	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	22.71	20.71	0.1178
25	15	25	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@131	22.64	20.64	0.1159
25	15	25	392500	1882.5	DFT-s-OFDM QPSK	64@32	24.02	22.02	0.1592
25	15	25	392500	1882.5	DFT-s-OFDM QPSK	1@1	24.13	22.13	0.1633
25	15	25	392500	1882.5	DFT-s-OFDM QPSK	1@131	24	22	0.1585
25	15	25	392500	1882.5	DFT-s-OFDM 16 QAM	64@32	23.09	21.09	0.1285
25	15	25	392500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.24	21.24	0.1330
25	15	25	392500	1882.5	DFT-s-OFDM 16 QAM	1@131	23.13	21.13	0.1297
25	15	25	392500	1882.5	DFT-s-OFDM 64 QAM	64@32	21.65	19.65	0.0923
25	15	25	392500	1882.5	DFT-s-OFDM 64 QAM	1@1	22	20	0.1000
25	15	25	392500	1882.5	DFT-s-OFDM 64 QAM	1@131	21.84	19.84	0.0964
25	15	25	392500	1882.5	DFT-s-OFDM 256 QAM	64@32	19.61	17.61	0.0577
25	15	25	392500	1882.5	DFT-s-OFDM 256 QAM	1@1	19.15	17.15	0.0519
25	15	25	392500	1882.5	DFT-s-OFDM 256 QAM	1@131	19.02	17.02	0.0504
25	15	25	392500	1882.5	CP-OFDM QPSK	67@33	22.63	20.63	0.1156
25	15	25	392500	1882.5	CP-OFDM QPSK	1@1	22.69	20.69	0.1172
25	15	25	392500	1882.5	CP-OFDM QPSK	1@131	22.66	20.66	0.1164
25	15	25	396500	1902.5	DFT-s-OFDM PI/2 BPSK	64@32	22.48	20.48	0.1117
25	15	25	396500	1902.5	DFT-s-OFDM PI/2 BPSK	1@1	22.56	20.56	0.1138
25	15	25	396500	1902.5	DFT-s-OFDM PI/2 BPSK	1@131	22.55	20.55	0.1135
25	15	25	396500	1902.5	DFT-s-OFDM QPSK	64@32	23.91	21.91	0.1552
25	15	25	396500	1902.5	DFT-s-OFDM QPSK	1@1	24.03	22.03	0.1596
25	15	25	396500	1902.5	DFT-s-OFDM QPSK	1@131	23.93	21.93	0.1560
25	15	25	396500	1902.5	DFT-s-OFDM 16 QAM	64@32	22.97	20.97	0.1250
25	15	25	396500	1902.5	DFT-s-OFDM 16 QAM	1@1	23.08	21.08	0.1282
25	15	25	396500	1902.5	DFT-s-OFDM 16 QAM	1@131	23.01	21.01	0.1262
25	15	25	396500	1902.5	DFT-s-OFDM 64 QAM	64@32	21.58	19.58	0.0908
25	15	25	396500	1902.5	DFT-s-OFDM 64 QAM	1@1	21.69	19.69	0.0931
25	15	25	396500	1902.5	DFT-s-OFDM 64 QAM	1@131	21.73	19.73	0.0940

25	15	25	396500	1902.5	DFT-s-OFDM 256 QAM	64@32	19.49	17.49	0.0561
25	15	25	396500	1902.5	DFT-s-OFDM 256 QAM	1@1	19.11	17.11	0.0514
25	15	25	396500	1902.5	DFT-s-OFDM 256 QAM	1@131	19.01	17.01	0.0502
25	15	25	396500	1902.5	CP-OFDM QPSK	67@33	22.51	20.51	0.1125
25	15	25	396500	1902.5	CP-OFDM QPSK	1@1	22.67	20.67	0.1167
25	15	25	396500	1902.5	CP-OFDM QPSK	1@131	22.59	20.59	0.1146
25	15	30	389000	1865	DFT-s-OFDM PI/2 BPSK	80@40	22.73	20.73	0.1183
25	15	30	389000	1865	DFT-s-OFDM PI/2 BPSK	1@1	22.65	20.65	0.1161
25	15	30	389000	1865	DFT-s-OFDM PI/2 BPSK	1@158	22.81	20.81	0.1205
25	15	30	389000	1865	DFT-s-OFDM QPSK	80@40	24.16	22.16	0.1644
25	15	30	389000	1865	DFT-s-OFDM QPSK	1@1	24.11	22.11	0.1626
25	15	30	389000	1865	DFT-s-OFDM QPSK	1@158	24.2	22.2	0.1660
25	15	30	389000	1865	DFT-s-OFDM 16 QAM	80@40	23.19	21.19	0.1315
25	15	30	389000	1865	DFT-s-OFDM 16 QAM	1@1	23.21	21.21	0.1321
25	15	30	389000	1865	DFT-s-OFDM 16 QAM	1@158	23.23	21.23	0.1327
25	15	30	389000	1865	DFT-s-OFDM 64 QAM	80@40	21.7	19.7	0.0933
25	15	30	389000	1865	DFT-s-OFDM 64 QAM	1@1	21.87	19.87	0.0971
25	15	30	389000	1865	DFT-s-OFDM 64 QAM	1@158	21.87	19.87	0.0971
25	15	30	389000	1865	DFT-s-OFDM 256 QAM	80@40	19.66	17.66	0.0583
25	15	30	389000	1865	DFT-s-OFDM 256 QAM	1@1	19.22	17.22	0.0527
25	15	30	389000	1865	DFT-s-OFDM 256 QAM	1@158	19.32	17.32	0.0540
25	15	30	389000	1865	CP-OFDM QPSK	80@40	22.68	20.68	0.1169
25	15	30	389000	1865	CP-OFDM QPSK	1@1	22.71	20.71	0.1178
25	15	30	389000	1865	CP-OFDM QPSK	1@158	22.86	20.86	0.1219
25	15	30	392500	1882.5	DFT-s-OFDM PI/2 BPSK	80@40	22.66	20.66	0.1164
25	15	30	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	22.77	20.77	0.1194
25	15	30	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@158	22.63	20.63	0.1156
25	15	30	392500	1882.5	DFT-s-OFDM QPSK	80@40	24.07	22.07	0.1611
25	15	30	392500	1882.5	DFT-s-OFDM QPSK	1@1	24.05	22.05	0.1603
25	15	30	392500	1882.5	DFT-s-OFDM QPSK	1@158	24.09	22.09	0.1618
25	15	30	392500	1882.5	DFT-s-OFDM 16 QAM	80@40	23.13	21.13	0.1297
25	15	30	392500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.21	21.21	0.1321
25	15	30	392500	1882.5	DFT-s-OFDM 16 QAM	1@158	23.15	21.15	0.1303
25	15	30	392500	1882.5	DFT-s-OFDM 64 QAM	80@40	21.75	19.75	0.0944

25	15	30	392500	1882.5	DFT-s-OFDM 64 QAM	1@1	21.92	19.92	0.0982
25	15	30	392500	1882.5	DFT-s-OFDM 64 QAM	1@158	21.91	19.91	0.0979
25	15	30	392500	1882.5	DFT-s-OFDM 256 QAM	80@40	19.71	17.71	0.0590
25	15	30	392500	1882.5	DFT-s-OFDM 256 QAM	1@1	19.09	17.09	0.0512
25	15	30	392500	1882.5	DFT-s-OFDM 256 QAM	1@158	19.12	17.12	0.0515
25	15	30	392500	1882.5	CP-OFDM QPSK	80@40	22.68	20.68	0.1169
25	15	30	392500	1882.5	CP-OFDM QPSK	1@1	22.64	20.64	0.1159
25	15	30	392500	1882.5	CP-OFDM QPSK	1@158	22.69	20.69	0.1172
25	15	30	396000	1900	DFT-s-OFDM PI/2 BPSK	80@40	22.47	20.47	0.1114
25	15	30	396000	1900	DFT-s-OFDM PI/2 BPSK	1@1	22.46	20.46	0.1112
25	15	30	396000	1900	DFT-s-OFDM PI/2 BPSK	1@158	22.42	20.42	0.1102
25	15	30	396000	1900	DFT-s-OFDM QPSK	80@40	23.76	21.76	0.1500
25	15	30	396000	1900	DFT-s-OFDM QPSK	1@1	23.87	21.87	0.1538
25	15	30	396000	1900	DFT-s-OFDM QPSK	1@158	23.89	21.89	0.1545
25	15	30	396000	1900	DFT-s-OFDM 16 QAM	80@40	22.84	20.84	0.1213
25	15	30	396000	1900	DFT-s-OFDM 16 QAM	1@1	22.85	20.85	0.1216
25	15	30	396000	1900	DFT-s-OFDM 16 QAM	1@158	22.95	20.95	0.1245
25	15	30	396000	1900	DFT-s-OFDM 64 QAM	80@40	21.44	19.44	0.0879
25	15	30	396000	1900	DFT-s-OFDM 64 QAM	1@1	21.48	19.48	0.0887
25	15	30	396000	1900	DFT-s-OFDM 64 QAM	1@158	21.63	19.63	0.0918
25	15	30	396000	1900	DFT-s-OFDM 256 QAM	80@40	19.39	17.39	0.0548
25	15	30	396000	1900	DFT-s-OFDM 256 QAM	1@1	18.94	16.94	0.0494
25	15	30	396000	1900	DFT-s-OFDM 256 QAM	1@158	18.8	16.8	0.0479
25	15	30	396000	1900	CP-OFDM QPSK	80@40	22.36	20.36	0.1086
25	15	30	396000	1900	CP-OFDM QPSK	1@1	22.52	20.52	0.1127
25	15	30	396000	1900	CP-OFDM QPSK	1@158	22.39	20.39	0.1094
25	15	40	390000	1870	DFT-s-OFDM PI/2 BPSK	108@54	22.71	20.71	0.1178
25	15	40	390000	1870	DFT-s-OFDM PI/2 BPSK	1@1	22.6	20.6	0.1148
25	15	40	390000	1870	DFT-s-OFDM PI/2 BPSK	1@214	22.71	20.71	0.1178
25	15	40	390000	1870	DFT-s-OFDM QPSK	108@54	24.21	22.21	0.1663
25	15	40	390000	1870	DFT-s-OFDM QPSK	1@1	24.04	22.04	0.1600
25	15	40	390000	1870	DFT-s-OFDM QPSK	1@214	24.15	22.15	0.1641
25	15	40	390000	1870	DFT-s-OFDM 16 QAM	108@54	23.21	21.21	0.1321
25	15	40	390000	1870	DFT-s-OFDM 16 QAM	1@1	23.08	21.08	0.1282

25	15	40	390000	1870	DFT-s-OFDM 16 QAM	1@214	23.21	21.21	0.1321
25	15	40	390000	1870	DFT-s-OFDM 64 QAM	108@54	21.7	19.7	0.0933
25	15	40	390000	1870	DFT-s-OFDM 64 QAM	1@1	21.73	19.73	0.0940
25	15	40	390000	1870	DFT-s-OFDM 64 QAM	1@214	21.84	19.84	0.0964
25	15	40	390000	1870	DFT-s-OFDM 256 QAM	108@54	19.7	17.7	0.0589
25	15	40	390000	1870	DFT-s-OFDM 256 QAM	1@1	19.14	17.14	0.0518
25	15	40	390000	1870	DFT-s-OFDM 256 QAM	1@214	19.37	17.37	0.0546
25	15	40	390000	1870	CP-OFDM QPSK	108@54	22.69	20.69	0.1172
25	15	40	390000	1870	CP-OFDM QPSK	1@1	22.62	20.62	0.1153
25	15	40	390000	1870	CP-OFDM QPSK	1@214	22.77	20.77	0.1194
25	15	40	392500	1882.5	DFT-s-OFDM PI/2 BPSK	108@54	22.5	20.5	0.1122
25	15	40	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	22.39	20.39	0.1094
25	15	40	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@214	22.4	20.4	0.1096
25	15	40	392500	1882.5	DFT-s-OFDM QPSK	108@54	23.91	21.91	0.1552
25	15	40	392500	1882.5	DFT-s-OFDM QPSK	1@1	23.83	21.83	0.1524
25	15	40	392500	1882.5	DFT-s-OFDM QPSK	1@214	23.83	21.83	0.1524
25	15	40	392500	1882.5	DFT-s-OFDM 16 QAM	108@54	23.04	21.04	0.1271
25	15	40	392500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.91	20.91	0.1233
25	15	40	392500	1882.5	DFT-s-OFDM 16 QAM	1@214	22.89	20.89	0.1227
25	15	40	392500	1882.5	DFT-s-OFDM 64 QAM	108@54	21.53	19.53	0.0897
25	15	40	392500	1882.5	DFT-s-OFDM 64 QAM	1@1	21.58	19.58	0.0908
25	15	40	392500	1882.5	DFT-s-OFDM 64 QAM	1@214	21.59	19.59	0.0910
25	15	40	392500	1882.5	DFT-s-OFDM 256 QAM	108@54	19.53	17.53	0.0566
25	15	40	392500	1882.5	DFT-s-OFDM 256 QAM	1@1	18.86	16.86	0.0485
25	15	40	392500	1882.5	DFT-s-OFDM 256 QAM	1@214	18.82	16.82	0.0481
25	15	40	392500	1882.5	CP-OFDM QPSK	108@54	22.51	20.51	0.1125
25	15	40	392500	1882.5	CP-OFDM QPSK	1@1	22.41	20.41	0.1099
25	15	40	392500	1882.5	CP-OFDM QPSK	1@214	22.42	20.42	0.1102
25	15	40	395000	1895	DFT-s-OFDM PI/2 BPSK	108@54	22.47	20.47	0.1114
25	15	40	395000	1895	DFT-s-OFDM PI/2 BPSK	1@1	22.44	20.44	0.1107
25	15	40	395000	1895	DFT-s-OFDM PI/2 BPSK	1@214	22.4	20.4	0.1096
25	15	40	395000	1895	DFT-s-OFDM QPSK	108@54	23.88	21.88	0.1542
25	15	40	395000	1895	DFT-s-OFDM QPSK	1@1	23.9	21.9	0.1549
25	15	40	395000	1895	DFT-s-OFDM QPSK	1@214	23.83	21.83	0.1524

25	15	40	395000	1895	DFT-s-OFDM 16 QAM	108@54	22.97	20.97	0.1250
25	15	40	395000	1895	DFT-s-OFDM 16 QAM	1@1	22.86	20.86	0.1219
25	15	40	395000	1895	DFT-s-OFDM 16 QAM	1@214	22.87	20.87	0.1222
25	15	40	395000	1895	DFT-s-OFDM 64 QAM	108@54	21.48	19.48	0.0887
25	15	40	395000	1895	DFT-s-OFDM 64 QAM	1@1	21.46	19.46	0.0883
25	15	40	395000	1895	DFT-s-OFDM 64 QAM	1@214	21.56	19.56	0.0904
25	15	40	395000	1895	DFT-s-OFDM 256 QAM	108@54	19.48	17.48	0.0560
25	15	40	395000	1895	DFT-s-OFDM 256 QAM	1@1	18.9	16.9	0.0490
25	15	40	395000	1895	DFT-s-OFDM 256 QAM	1@214	18.83	16.83	0.0482
25	15	40	395000	1895	CP-OFDM QPSK	108@54	22.5	20.5	0.1122
25	15	40	395000	1895	CP-OFDM QPSK	1@1	22.44	20.44	0.1107
25	15	40	395000	1895	CP-OFDM QPSK	1@214	22.4	20.4	0.1096

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	-0.00303	PASS	NV
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	-0.0089	PASS	LV
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	-0.00743	PASS	HV
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	-0.00506	PASS	-30°C
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	-0.0042	PASS	-20°C
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	-0.00894	PASS	-10°C
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	-0.00595	PASS	0°C
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	-0.00441	PASS	10°C
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	-0.00613	PASS	20°C
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	-0.00795	PASS	30°C
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	-0.00444	PASS	40°C
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	-0.00789	PASS	50°C

Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
25	15	20	388000	1860.0	DFT-s-OFDM PI/2 BPSK	100@0	4.32	13	PASS
25	15	20	388000	1860.0	DFT-s-OFDM PI/2 BPSK	1@0	3.86	13	PASS
25	15	20	388000	1860.0	DFT-s-OFDM QPSK	100@0	5.83	13	PASS
25	15	20	388000	1860.0	DFT-s-OFDM QPSK	1@0	6.14	13	PASS
25	15	20	392500	1882.5	DFT-s-OFDM PI/2 BPSK	100@0	4.64	13	PASS
25	15	20	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@0	4.03	13	PASS
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	5.6	13	PASS
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	1@0	6.19	13	PASS
25	15	20	397000	1905.0	DFT-s-OFDM PI/2 BPSK	100@0	4.23	13	PASS
25	15	20	397000	1905.0	DFT-s-OFDM PI/2 BPSK	1@0	3.88	13	PASS
25	15	20	397000	1905.0	DFT-s-OFDM QPSK	100@0	5.71	13	PASS
25	15	20	397000	1905.0	DFT-s-OFDM QPSK	1@0	6.12	13	PASS

B12_N25(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



B12_N25(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



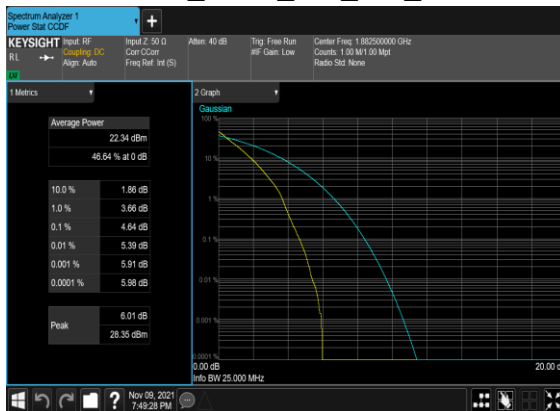
B12_N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



B12_N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B12_N25(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



B12_N25(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH

