FCC RF Test Report

APPLICANT	:	OnePlus Technology (Shenzhen) Co., Ltd.
EQUIPMENT	:	Smart Phone
BRAND NAME	:	ONEPLUS
MODEL NAME	:	CPH2389
FCC ID	:	2ABZ2-AA272
STANDARD	:	47 CFR Part 2, 24, 27
CLASSIFICATION	:	PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	:	Feb. 28, 2022 ~ Mar. 23, 2022

We, Sporton International Inc. (ShenZhen), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (ShenZhen), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia

ACCREDITED Cert #5145.01

Sporton International Inc. (ShenZhen)

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
FG221602D	Rev. 01	Initial issue of report	Jun. 02, 2022

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§27.50(c)(10)	Effective Radiated Power (5G NR n71)	ERP < 3 Watt		
	§24.232(c) §27.50(h)(2)	Equivalent Isotropic Radiated Power (5G NR n2, n25) (5G NR n41)	EIRP < 2Watt		
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (5G NR n66)	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 §24.238(a) §27.53(h) §27.53(g)	Conducted Band Edge Measurement (5G NR n2, n25) (5G NRn66) (5G NR n71)	< 43+10log10(P[Watts])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (5G NR n41)	§27.53(m)(4)		
3.8	§2.1051 §24.238(a) §27.53(h) §27.53(g)	Conducted Spurious Emission (5G NR n2, n25) (5G NRn66) (5G NR n71)	< 43+10log10(P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (5G NR n41)	< 55+10log$_{10}$(P[Watts])		
3.9	§24.235 §27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §24.238(a) §27.53(h) §27.53(g)	Radiated Spurious Emission (5G NR n2, n25) (5G NRn66) (5G NR n71)	< 43+10log$_{10}$(P[Watts])	PASS	Under limit 25.57 dB at 10365.600 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (5G NR n41)	< 55+10log$_{10}$(P[Watts])		

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Applicant

OnePlus Technology (Shenzhen) Co., Ltd.
18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China

1.2 Manufacturer

OnePlus Technology (Shenzhen) Co., Ltd.
18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Smart Phone
Brand Name	ONEPLUS
Model Name	CPH2389
FCC ID	2ABZ2-AA272
IMEI Code	Conducted : 867188060047565 Radiation : 867188060042996
HW Version	11
SW Version	CPH2389_11_A.02
EUT Stage	Production Unit

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	5G NR n2 : 1850 MHz ~ 1910 MHz 5G NR n25 : 1850 MHz ~ 1915 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n71: 663 MHz ~ 698 MHz
Rx Frequency	5G NR n2 : 1930 MHz ~ 1990 MHz 5G NR n25 : 1930 MHz ~ 1995 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n66 : 2110 MHz~ 2200 MHz 5G NR n71: 617 MHz ~ 652 MHz
SCS	n2/n25/n66/n71: 15kHz n41: 30kHz
Bandwidth	n2, n71: 5MHz / 10MHz / 15MHz / 20MHz n25, n66: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 40MH n41 : 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz
Antenna Gain	**<Ant. 0>**

	n2: -3.0 dBi n25: -3.0 dBi n41: -2.0 dBi n66: -3.0 dBi n71: -5.0 dBi **<Ant. 1>** n2: -4.0 dBi n25: -4.0 dBi n41: -2.5 dBi n66: -4.0 dBi n71: -3.5 dBi **<Ant. 3>** n41: -4.0 dBi **<Ant. 4>** n2: -3.0 dBi n25: -3.0 dBi n41: -2.0 dBi n66: -3.0 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. The maximum ERP/EIRP is calculated from max output power and max antenna gain, only the maximum ERP/EIRP of Antenna 0 are shown in the report.
2. 5G NR n2/n25/n41/n66/n71 support SA & NSA mode. The whole testing has assessed 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. 5G NR n41 supports HPUE mode
5. The EN-DC mode combination could be referred to the product spec.

1.5 Modification of EUT

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

1.6 Maximum ERP/EIRP Power and Emission Designator

5G NR n2 (EN DC_12A-n2A)		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	0.1374	4M47G7D	0.1096	4M47W7D
10	1855.0 ~ 1905.0	0.1312	9M27G7D	0.1038	9M29W7D
15	1857.5 ~ 1902.5	0.1358	14M1G7D	0.1072	14M1W7D
20	1860.0 ~ 1900.0	0.1365	18M9G7D	0.1081	18M9W7D

5G NR n25 (EN DC_66A-n25A)		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	1852.5 ~ 1912.5	0.1361	4M47G7D	0.1081	4M47W7D
10	1855.0 ~ 1910.0	0.1300	9M27G7D	0.1047	9M29W7D
15	1857.5 ~ 1907.5	0.1371	14M1G7D	0.1081	14M1W7D
20	1860.0 ~ 1905.0	0.1368	18M9G7D	0.1099	18M9W7D
25	1862.5 ~ 1902.5	0.1377	23M7G7D	0.1084	23M7W7D
30	1865.0 ~ 1900.0	0.1371	28M6G7D	0.1091	28M6W7D
40	1870.0 ~ 1895.0	0.1349	38M6G7D	0.1084	38M5W7D

5G NR n41 (EN DC_2A-n41A)		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	2506.02 ~ 2679.99	0.2432	18M2G7D	0.1905	18M3W7D
30	2511.00 ~ 2674.98	0.2432	27M8G7D	0.1901	27M9W7D
40	2516.01 ~ 2670.00	0.2399	37M8G7D	0.1905	37M8W7D
50	2521.02 ~ 2664.99	0.2421	47M2G7D	0.1928	47M5W7D
60	2526.00 ~ 2659.98	0.2404	57M9G7D	0.1901	57M9W7D
70	2531.01 ~ 2655.00	0.2421	67M4G7D	0.1910	67M5W7D
80	2536.02 ~ 2649.99	0.2415	77M5G7D	0.1905	77M5W7D
90	2541.00 ~ 2644.98	0.2410	87M3G7D	0.1897	87M4W7D
100	2546.01 ~ 2640.00	0.2410	97M2G7D	0.1914	97M5W7D

5G NR n66 (EN DC_2A-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	0.1393	4M48G7D	0.1099	4M46W7D
10	1715.0 ~ 1775.0	0.1340	9M26G7D	0.1072	9M29W7D
15	1717.5 ~ 1772.5	0.1384	14M1G7D	0.1089	14M1W7D
20	1720.0 ~ 1770.0	0.1387	18M9G7D	0.1107	18M9W7D
25	1722.5 ~ 1767.5	0.1406	23M7G7D	0.1109	23M7W7D
30	1725.0 ~ 1765.0	0.1352	28M6G7D	0.1072	28M6W7D
40	1730.0 ~ 1760.0	0.1361	38M6G7D	0.1089	38M5W7D

5G NR n71 (EN DC_2A-n71A)		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	665.5 ~ 695.5	0.0637	4M47G7D	0.0505	4M46W7D
10	668.0 ~ 693.0	0.0621	9M27G7D	0.0487	9M28W7D
15	670.5 ~ 690.5	0.0637	14M1G7D	0.0505	14M1W7D
20	673.0 ~ 688.0	0.0634	18M9G7D	0.0507	19M0W7D

Note:

1. All modulations have been evaluation, only the worst test results of PSK & QAM are shown in the report.

2. 5G NR Band n25 overlaps the entire frequency range of Band n2. Therefore, the conducted test results provided in this report covers Band n25 as well as Band n2.

1.7 Testing Location

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

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

Test Firm	Sporton International Inc. (Shenzhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH01-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH01-SZ	AUDIX	E3	6.2009-8-24

1.9 Applicable Standards

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

- 47 CFR Part 2, 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 (X,Y plane) were recorded in this report.

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

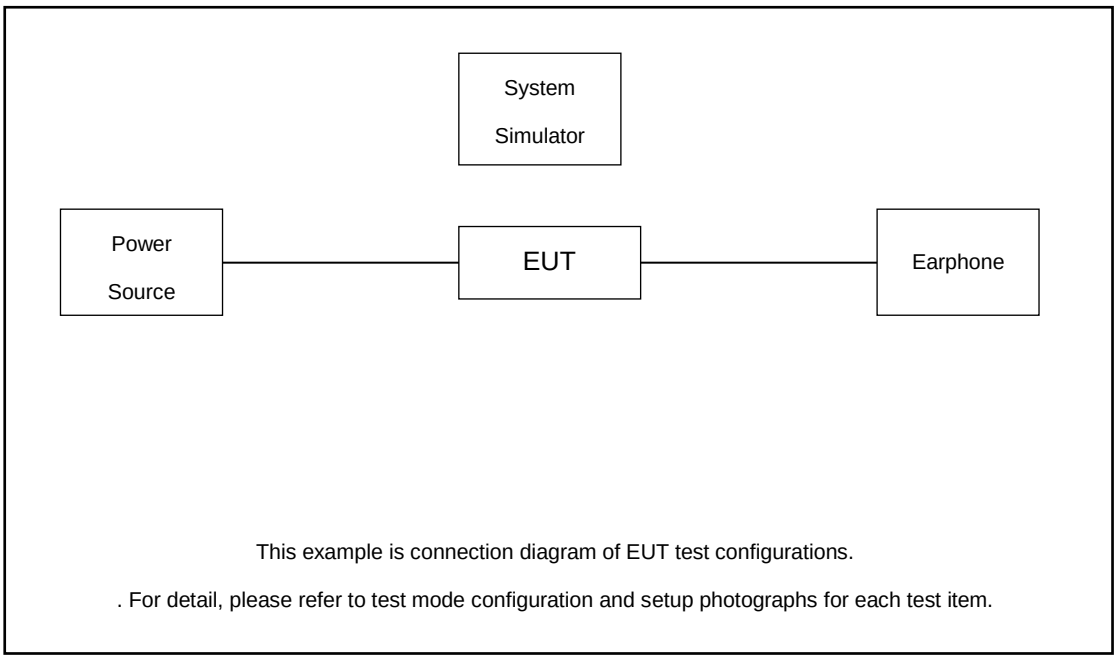
Test Items	5G NR	Bandwidth (MHz)									Modulation					RB #		Test Channel		
		5	10	15	20	25	30	40	50-90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Full	L	M	H
Max. Output Power	n2	v	v	v	v	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n25	v	v	v	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	n41	-	-	-	v	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	n66	v	v	v	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	n71	v	v	v	v	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	n25				v				-	-		v					v		v	
	n41	-	-	-	v	-						v					v		v	
	n66				v				-	-		v					v		v	
	n71				v	-	-	-	-	-		v					v		v	
26dB and 99% Bandwidth	n25	v	v	v	v	v	v	v	-	-	v	v	v	v	v		v		v	
	n41	-	-	-	v	-	v	v	v	v	v	v	v	v	v		v		v	
	n66	v	v	v	v	v	v	v	-	-	v	v	v	v	v		v		v	
	n71	v	v	v	v	-	-	-	-	-	v	v	v	v	v		v		v	

Test Items	Band	Bandwidth (MHz)									Modulation					RB #		Test Channel		
		5	10	15	20	25	30	40	50-90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Full	L	M	H
Conducted Band Edge	n25	v			v			v	-	-	v	v				v	v	v		v
	n41	-	-	-	v	-			v	v	v	v				v	v	v		v
	n66	v			v			v	-	-	v	v				v	v	v		v
	n71	v	v		v	-	-	-	-	-	v	v				v	v	v		v
Conducted Spurious Emission	n25	v			v			v	-	-	v	v				v		v	v	v
	n41	-	-	-	v	-			v	v	v	v				v		v	v	v
	n66	v	v		v				-	-	v	v				v		v	v	v
	n71	v	v		v	-	-	-	-	-	v	v				v		v	v	v
Frequency Stability	n25				v				-	-		v					v		v	
	n41	-	-	-	v	-						v					v		v	
	n66				v				-	-		v					v		v	
	n71				v	-	-	-	-	-		v					v		v	
E.R.P / E.I.R.P	n2	v	v	v	v	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n25	v	v	v	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	n41	-	-	-	v	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	n66	v	v		v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	n71	v	v		v				-	-	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	n25	Worst Case																v	v	v
	n41	Worst Case																v	v	v
	n66	Worst Case																v	v	v
	n71	Worst Case																v	v	v

Note

1. The mark "**v** " means that this configuration is chosen for testing
2. The mark "-" means that this bandwidth is not supported.
3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.
4. All modulations (BPSK/QPSK/16QAM/64QAM/256QAM) have been tested, and only the worst test results are shown in the report .
5. 5G NR Band n25 overlaps the entire frequency range of Band n2. Therefore, the conducted test results provided in this report covers Band n25 as well as Band n2.
6. Frequency Stability：Normal Voltage = 3.87V ；Low Voltage =3.6V.；High Voltage =4.45V

2.2 Connection Diagram of Test System



This example is connection diagram of EUT test configurations.

. For detail, please refer to test mode configuration and setup photographs for each test item.

2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	DC Power Supply	GW	GPS-3030D	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
3.	NR Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss 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 8.10 dB.

Example :

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

= 8.10 (dB)

2.5 Frequency List of Low/Middle/High Channels

5G NR n2 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	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 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 n41 Channel and Frequency List -SCS 30k				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
100	Channel	509202	518598	528000
	Frequency	2546.01	2592.99	2640
90	Channel	508200	518598	528996
	Frequency	2541	2592.99	2644.98
80	Channel	507204	518598	529998
	Frequency	2536.02	2592.99	2649.99
70	Channel	506202	518598	531000
	Frequency	2531.01	2592.99	2655
60	Channel	505200	518598	531996
	Frequency	2526	2592.99	2659.98
50	Channel	504204	518598	532998
	Frequency	2521.02	2592.99	2664.99
40	Channel	503202	518598	534000
	Frequency	2516.01	2592.99	2670
30	Channel	502200	518598	534996
	Frequency	2511	2592.99	2674.98
20	Channel	501204	518598	535998
	Frequency	2506.02	2592.99	2679.99

5G NR n66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	426000	429000	432000
	Frequency	1730	1745	1760
30	Channel	425000	429000	433000
	Frequency	1725	1745	1765
25	Channel	424500	429000	433500
	Frequency	1722.5	1745	1767.5
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 n71 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	125400	126900	128400
	Frequency	673	680.5	688
15	Channel	124900	126900	128900
	Frequency	670.5	680.5	690.5
10	Channel	124400	126900	129400
	Frequency	668	680.5	693
5	Channel	123900	126900	129900
	Frequency	665.5	680.5	695.5

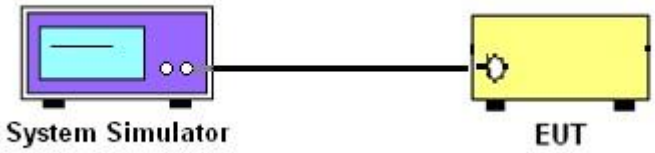
3 Conducted Test Items

3.1 Measuring Instruments

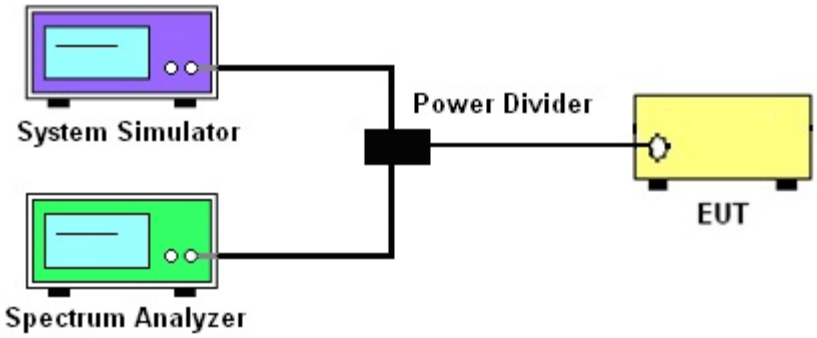
See list of measuring instruments of this test report.

3.2 Test Setup

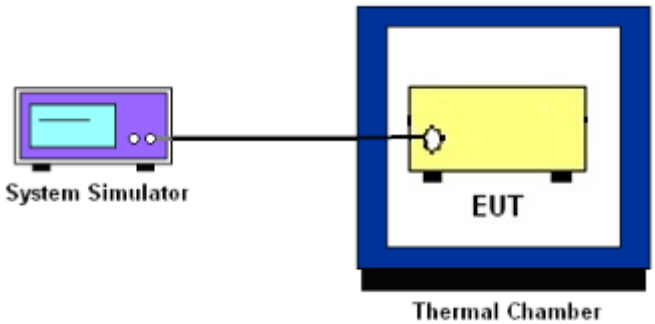
3.2.1 Conducted Output Power



3.2.2 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge and Conducted Spurious Emission



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and ERP/EIRP

3.4.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

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

The ERP of mobile transmitters must not exceed 3 Watts for 5G NR n71.

The EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n2, n25 and n41.

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

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.4.2 Test Procedures

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

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

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

3.5.2 Test Procedures

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

3.6 Occupied Bandwidth

3.6.1 Description of Occupied Bandwidth Measurement

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

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

3.6.2 Test Procedures

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

3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

24.238 (a)

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

27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is 43 + $10\log_{10}$(P[Watts]) dB below the transmitter power P(Watts) in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (g)

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

27.53(m)(4)

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

3.7.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.
   Example:
   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
   = P(W)- [43 + 10log(P)] (dB)
   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.
9. For 5G NR n41, the other 40 dB, and 55 dB have additionally applied same calculation above.
10. When using the integration method, the starting frequency of the integration shall be centered at one-half of the RBW away from the band edge.

3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

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

For 5G NR n41:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 55 + 10 log (P) dB.

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

3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.
11. For 5G NR n41
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [55+ 10log(P)] (dB)
    = [30+ 10log(P)] (dBm) - [55+ 10log(P)] (dB)
    = -25dBm.

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

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

3.9.2 Test Procedures for Temperature Variation

1. The testing follows ANSI C63.26 section 5.6.4
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in 10°C step up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.9.3 Test Procedures for Voltage Variation

1. The testing follows ANSI C63.26 section 5.6.5
2. The EUT was placed in a temperature chamber at 20±5°C and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
5. The variation in frequency was measured for the worst case.

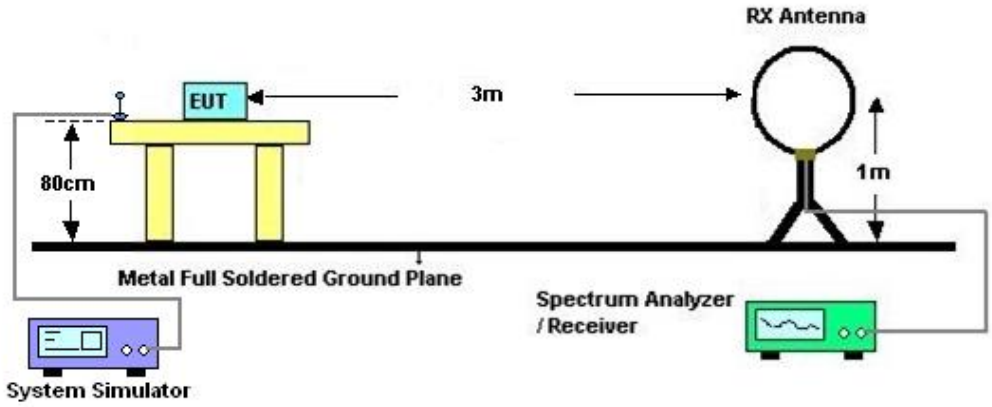
4 Radiated Test Items

4.1 Measuring Instruments

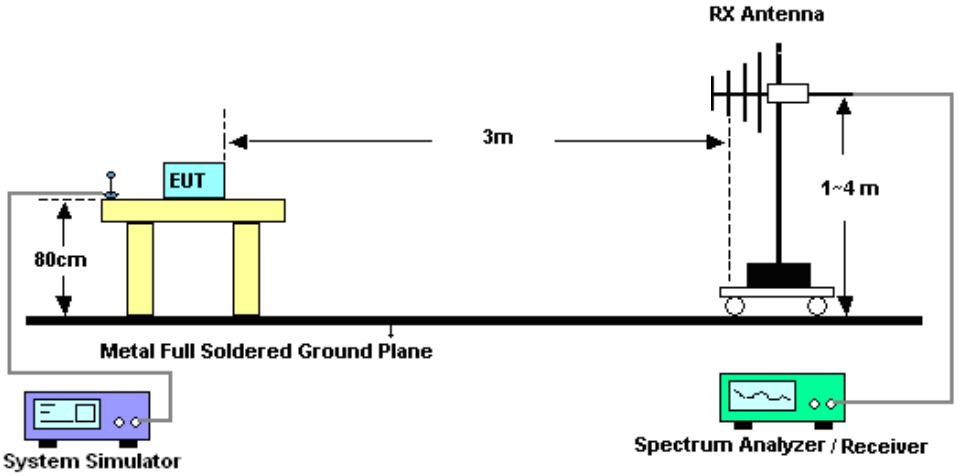
See list of measuring instruments of this test report.

4.2 Test Setup

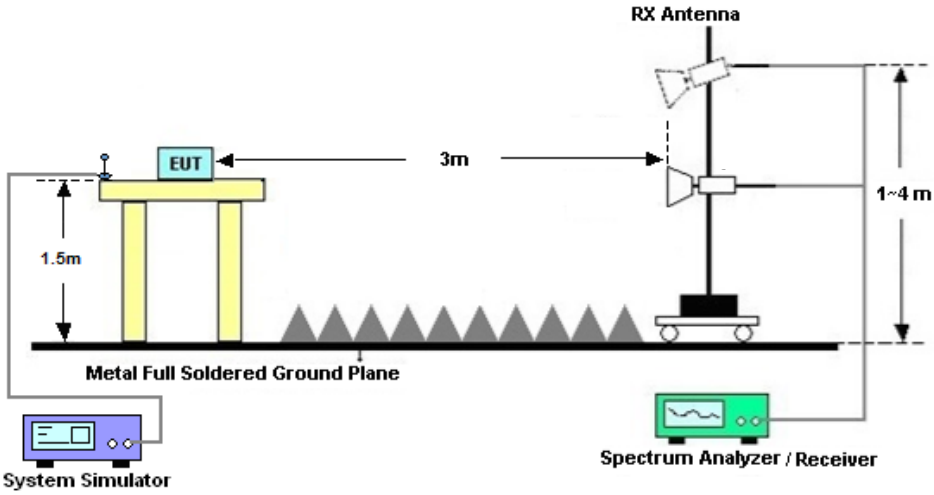
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

For 5G NR n41

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 55 + 10 log (P) dB.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
11. ERP (dBm) = EIRP - 2.15
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
    The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.
13. For 5G NR n41:
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 08, 2021	Feb. 28, 2022	Apr. 07, 2022	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2021	Feb. 28, 2022	Dec. 24, 2022	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 14, 2021	Feb. 28, 2022	Jul. 13, 2022	Conducted (TH01-SZ)
EMI Test Receiver&SA	Agilent	N9038A	MY52260185	20Hz~26.5GHz	Dec. 03, 2020	Mar. 22, 2022~ Mar. 23, 2022	Dec. 02, 2021	Radiation (03CH01-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2020	Mar. 22, 2022~ Mar. 23, 2022	Jun. 21, 2022	Radiation (03CH01-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 16, 2021	Mar. 22, 2022~ Mar. 23, 2022	Oct. 15, 2022	Radiation (03CH01-SZ
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Jul. 15, 2021	Mar. 22, 2022~ Mar. 23, 2022	Jul. 14, 2022	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 25, 2021	Mar. 22, 2022~ Mar. 23, 2022	Jul. 24, 2022	Radiation (03CH01-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 11, 2021	Mar. 22, 2022~ Mar. 23, 2022	Apr. 10 2022	Radiation (03CH01-SZ)
LF Amplifier	Burgeon	BPA-530	102209	0.01~3000Mhz	Apr. 07, 2021	Mar. 22, 2022~ Mar. 23, 2022	Apr. 06, 2022	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P-R	1943528	1GHz~18GHz	Oct. 15,2021	Mar. 22, 2022~ Mar. 23, 2022	Oct. 14,2022	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 21. 2021	Mar. 22, 2022~ Mar. 23, 2022	Jul. 20. 2022	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Mar. 22, 2022~ Mar. 23, 2022	NCR	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Mar. 22, 2022~ Mar. 23, 2022	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Mar. 22, 2022~ Mar. 23, 2022	NCR	Radiation (03CH01-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))	**2.48dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.53dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.02dB**

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

Appendix A. Test Results of Conducted Test

Test Engineer :	Jung Guo	**Temperature :**	24~26℃
		Relative Humidity :	50~53%

FR1 N2 + 12A(ANT0+ ANT 1)

Transmitter Conducted Output Power And EIRP, (G_T-L_C) =-3.0dB

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	24.17	21.17	0.1309
2	15	5	386500	1852.5	DFT-s-OFDM PI/2 BPSK	1@1	24.11	21.11	0.1291
2	15	5	386500	1852.5	DFT-s-OFDM PI/2 BPSK	1@23	24.15	21.15	0.1303
2	15	5	386500	1852.5	DFT-s-OFDM QPSK	12@6	24.21	21.21	0.1321
2	15	5	386500	1852.5	DFT-s-OFDM QPSK	1@1	24.23	21.23	0.1327
2	15	5	386500	1852.5	DFT-s-OFDM QPSK	1@23	24.25	21.25	0.1334
2	15	5	386500	1852.5	DFT-s-OFDM 16 QAM	12@6	23.23	20.23	0.1054
2	15	5	386500	1852.5	DFT-s-OFDM 16 QAM	1@1	22.9	19.9	0.0977
2	15	5	386500	1852.5	DFT-s-OFDM 16 QAM	1@23	22.92	19.92	0.0982
2	15	5	386500	1852.5	DFT-s-OFDM 64 QAM	12@6	21.63	18.63	0.0729
2	15	5	386500	1852.5	DFT-s-OFDM 64 QAM	1@1	21.34	18.34	0.0682
2	15	5	386500	1852.5	DFT-s-OFDM 64 QAM	1@23	21.38	18.38	0.0689
2	15	5	386500	1852.5	DFT-s-OFDM 256 QAM	12@6	19.73	16.73	0.0471
2	15	5	386500	1852.5	DFT-s-OFDM 256 QAM	1@1	19.7	16.7	0.0468
2	15	5	386500	1852.5	DFT-s-OFDM 256 QAM	1@23	19.72	16.72	0.0470
2	15	5	386500	1852.5	CP-OFDM QPSK	13@6	22.63	19.63	0.0918
2	15	5	386500	1852.5	CP-OFDM QPSK	1@1	22.57	19.57	0.0906
2	15	5	386500	1852.5	CP-OFDM QPSK	1@23	22.56	19.56	0.0904
2	15	5	392000	1880	DFT-s-OFDM PI/2 BPSK	12@6	24.32	21.32	0.1355
2	15	5	392000	1880	DFT-s-OFDM PI/2 BPSK	1@1	24.27	21.27	0.1340

2	15	5	392000	1880	DFT-s-OFDM PI/2 BPSK	1@23	24.29	21.29	0.1346
2	15	5	392000	1880	DFT-s-OFDM QPSK	12@6	24.36	21.36	0.1368
2	15	5	392000	1880	DFT-s-OFDM QPSK	1@1	24.37	21.37	0.1371
2	15	5	392000	1880	DFT-s-OFDM QPSK	1@23	24.38	21.38	0.1374
2	15	5	392000	1880	DFT-s-OFDM 16 QAM	12@6	23.39	20.39	0.1094
2	15	5	392000	1880	DFT-s-OFDM 16 QAM	1@1	22.99	19.99	0.0998
2	15	5	392000	1880	DFT-s-OFDM 16 QAM	1@23	23.05	20.05	0.1012
2	15	5	392000	1880	DFT-s-OFDM 64 QAM	12@6	21.76	18.76	0.0752
2	15	5	392000	1880	DFT-s-OFDM 64 QAM	1@1	21.48	18.48	0.0705
2	15	5	392000	1880	DFT-s-OFDM 64 QAM	1@23	21.49	18.49	0.0706
2	15	5	392000	1880	DFT-s-OFDM 256 QAM	12@6	19.88	16.88	0.0488
2	15	5	392000	1880	DFT-s-OFDM 256 QAM	1@1	19.81	16.81	0.0480
2	15	5	392000	1880	DFT-s-OFDM 256 QAM	1@23	19.83	16.83	0.0482
2	15	5	392000	1880	CP-OFDM QPSK	13@6	22.77	19.77	0.0948
2	15	5	392000	1880	CP-OFDM QPSK	1@1	22.71	19.71	0.0935
2	15	5	392000	1880	CP-OFDM QPSK	1@23	22.66	19.66	0.0925
2	15	5	397500	1907.5	DFT-s-OFDM PI/2 BPSK	12@6	24.33	21.33	0.1358
2	15	5	397500	1907.5	DFT-s-OFDM PI/2 BPSK	1@1	24.33	21.33	0.1358
2	15	5	397500	1907.5	DFT-s-OFDM PI/2 BPSK	1@23	24.31	21.31	0.1352
2	15	5	397500	1907.5	DFT-s-OFDM QPSK	12@6	24.38	21.38	0.1374
2	15	5	397500	1907.5	DFT-s-OFDM QPSK	1@1	24.36	21.36	0.1368
2	15	5	397500	1907.5	DFT-s-OFDM QPSK	1@23	24.38	21.38	0.1374
2	15	5	397500	1907.5	DFT-s-OFDM 16 QAM	12@6	23.4	20.4	0.1096
2	15	5	397500	1907.5	DFT-s-OFDM 16	1@1	23.04	20.04	0.1009

					QAM				
2	15	5	397500	1907.5	DFT-s-OFDM 16 QAM	1@23	23.03	20.03	0.1007
2	15	5	397500	1907.5	DFT-s-OFDM 64 QAM	12@6	21.81	18.81	0.0760
2	15	5	397500	1907.5	DFT-s-OFDM 64 QAM	1@1	21.51	18.51	0.0710
2	15	5	397500	1907.5	DFT-s-OFDM 64 QAM	1@23	21.49	18.49	0.0706
2	15	5	397500	1907.5	DFT-s-OFDM 256 QAM	12@6	19.9	16.9	0.0490
2	15	5	397500	1907.5	DFT-s-OFDM 256 QAM	1@1	19.78	16.78	0.0476
2	15	5	397500	1907.5	DFT-s-OFDM 256 QAM	1@23	19.83	16.83	0.0482
2	15	5	397500	1907.5	CP-OFDM QPSK	13@6	22.81	19.81	0.0957
2	15	5	397500	1907.5	CP-OFDM QPSK	1@1	22.73	19.73	0.0940
2	15	5	397500	1907.5	CP-OFDM QPSK	1@23	22.69	19.69	0.0931
2	15	10	387000	1855	DFT-s-OFDM PI/2 BPSK	25@12	24.08	21.08	0.1282
2	15	10	387000	1855	DFT-s-OFDM PI/2 BPSK	1@1	24	21	0.1259
2	15	10	387000	1855	DFT-s-OFDM PI/2 BPSK	1@50	24.05	21.05	0.1274
2	15	10	387000	1855	DFT-s-OFDM QPSK	25@12	24.06	21.06	0.1276
2	15	10	387000	1855	DFT-s-OFDM QPSK	1@1	24.01	21.01	0.1262
2	15	10	387000	1855	DFT-s-OFDM QPSK	1@50	24.12	21.12	0.1294
2	15	10	387000	1855	DFT-s-OFDM 16 QAM	25@12	23.07	20.07	0.1016
2	15	10	387000	1855	DFT-s-OFDM 16 QAM	1@1	22.72	19.72	0.0938
2	15	10	387000	1855	DFT-s-OFDM 16 QAM	1@50	22.82	19.82	0.0959
2	15	10	387000	1855	DFT-s-OFDM 64 QAM	25@12	21.57	18.57	0.0719
2	15	10	387000	1855	DFT-s-OFDM 64 QAM	1@1	21.17	18.17	0.0656
2	15	10	387000	1855	DFT-s-OFDM 64 QAM	1@50	21.28	18.28	0.0673
2	15	10	387000	1855	DFT-s-OFDM 256 QAM	25@12	19.53	16.53	0.0450

2	15	10	387000	1855	DFT-s-OFDM 256 QAM	1@1	19.47	16.47	0.0444
2	15	10	387000	1855	DFT-s-OFDM 256 QAM	1@50	19.62	16.62	0.0459
2	15	10	387000	1855	CP-OFDM QPSK	26@13	22.56	19.56	0.0904
2	15	10	387000	1855	CP-OFDM QPSK	1@1	22.37	19.37	0.0865
2	15	10	387000	1855	CP-OFDM QPSK	1@50	22.5	19.5	0.0891
2	15	10	392000	1880	DFT-s-OFDM PI/2 BPSK	25@12	24.14	21.14	0.1300
2	15	10	392000	1880	DFT-s-OFDM PI/2 BPSK	1@1	24.14	21.14	0.1300
2	15	10	392000	1880	DFT-s-OFDM PI/2 BPSK	1@50	24.08	21.08	0.1282
2	15	10	392000	1880	DFT-s-OFDM QPSK	25@12	24.17	21.17	0.1309
2	15	10	392000	1880	DFT-s-OFDM QPSK	1@1	24.15	21.15	0.1303
2	15	10	392000	1880	DFT-s-OFDM QPSK	1@50	24.18	21.18	0.1312
2	15	10	392000	1880	DFT-s-OFDM 16 QAM	25@12	23.16	20.16	0.1038
2	15	10	392000	1880	DFT-s-OFDM 16 QAM	1@1	22.87	19.87	0.0971
2	15	10	392000	1880	DFT-s-OFDM 16 QAM	1@50	22.85	19.85	0.0966
2	15	10	392000	1880	DFT-s-OFDM 64 QAM	25@12	21.64	18.64	0.0731
2	15	10	392000	1880	DFT-s-OFDM 64 QAM	1@1	21.3	18.3	0.0676
2	15	10	392000	1880	DFT-s-OFDM 64 QAM	1@50	21.29	18.29	0.0675
2	15	10	392000	1880	DFT-s-OFDM 256 QAM	25@12	19.62	16.62	0.0459
2	15	10	392000	1880	DFT-s-OFDM 256 QAM	1@1	19.65	16.65	0.0462
2	15	10	392000	1880	DFT-s-OFDM 256 QAM	1@50	19.63	16.63	0.0460
2	15	10	392000	1880	CP-OFDM QPSK	26@13	22.59	19.59	0.0910
2	15	10	392000	1880	CP-OFDM QPSK	1@1	22.48	19.48	0.0887
2	15	10	392000	1880	CP-OFDM QPSK	1@50	22.56	19.56	0.0904
2	15	10	397000	1905	DFT-s-OFDM PI/2 BPSK	25@12	24.04	21.04	0.1271

2	15	10	397000	1905	DFT-s-OFDM PI/2 BPSK	1@1	23.94	20.94	0.1242
2	15	10	397000	1905	DFT-s-OFDM PI/2 BPSK	1@50	24	21	0.1259
2	15	10	397000	1905	DFT-s-OFDM QPSK	25@12	24.07	21.07	0.1279
2	15	10	397000	1905	DFT-s-OFDM QPSK	1@1	24	21	0.1259
2	15	10	397000	1905	DFT-s-OFDM QPSK	1@50	24.05	21.05	0.1274
2	15	10	397000	1905	DFT-s-OFDM 16 QAM	25@12	23.03	20.03	0.1007
2	15	10	397000	1905	DFT-s-OFDM 16 QAM	1@1	22.71	19.71	0.0935
2	15	10	397000	1905	DFT-s-OFDM 16 QAM	1@50	22.74	19.74	0.0942
2	15	10	397000	1905	DFT-s-OFDM 64 QAM	25@12	21.51	18.51	0.0710
2	15	10	397000	1905	DFT-s-OFDM 64 QAM	1@1	21.13	18.13	0.0650
2	15	10	397000	1905	DFT-s-OFDM 64 QAM	1@50	21.16	18.16	0.0655
2	15	10	397000	1905	DFT-s-OFDM 256 QAM	25@12	19.46	16.46	0.0443
2	15	10	397000	1905	DFT-s-OFDM 256 QAM	1@1	19.44	16.44	0.0441
2	15	10	397000	1905	DFT-s-OFDM 256 QAM	1@50	19.49	16.49	0.0446
2	15	10	397000	1905	CP-OFDM QPSK	26@13	22.45	19.45	0.0881
2	15	10	397000	1905	CP-OFDM QPSK	1@1	22.37	19.37	0.0865
2	15	10	397000	1905	CP-OFDM QPSK	1@50	22.37	19.37	0.0865
2	15	15	387500	1857.5	DFT-s-OFDM PI/2 BPSK	36@18	24.25	21.25	0.1334
2	15	15	387500	1857.5	DFT-s-OFDM PI/2 BPSK	1@1	24.07	21.07	0.1279
2	15	15	387500	1857.5	DFT-s-OFDM PI/2 BPSK	1@77	24.24	21.24	0.1330
2	15	15	387500	1857.5	DFT-s-OFDM QPSK	36@18	24.3	21.3	0.1349
2	15	15	387500	1857.5	DFT-s-OFDM QPSK	1@1	24.15	21.15	0.1303
2	15	15	387500	1857.5	DFT-s-OFDM QPSK	1@77	24.26	21.26	0.1337
2	15	15	387500	1857.5	DFT-s-OFDM 16	36@18	23.28	20.28	0.1067

					QAM				
2	15	15	387500	1857.5	DFT-s-OFDM 16 QAM	1@1	22.9	19.9	0.0977
2	15	15	387500	1857.5	DFT-s-OFDM 16 QAM	1@77	22.97	19.97	0.0993
2	15	15	387500	1857.5	DFT-s-OFDM 64 QAM	36@18	21.83	18.83	0.0764
2	15	15	387500	1857.5	DFT-s-OFDM 64 QAM	1@1	21.34	18.34	0.0682
2	15	15	387500	1857.5	DFT-s-OFDM 64 QAM	1@77	21.45	18.45	0.0700
2	15	15	387500	1857.5	DFT-s-OFDM 256 QAM	36@18	19.78	16.78	0.0476
2	15	15	387500	1857.5	DFT-s-OFDM 256 QAM	1@1	19.61	16.61	0.0458
2	15	15	387500	1857.5	DFT-s-OFDM 256 QAM	1@77	19.73	16.73	0.0471
2	15	15	387500	1857.5	CP-OFDM QPSK	39@19	22.76	19.76	0.0946
2	15	15	387500	1857.5	CP-OFDM QPSK	1@1	22.53	19.53	0.0897
2	15	15	387500	1857.5	CP-OFDM QPSK	1@77	22.53	19.53	0.0897
2	15	15	392000	1880	DFT-s-OFDM PI/2 BPSK	36@18	24.33	21.33	0.1358
2	15	15	392000	1880	DFT-s-OFDM PI/2 BPSK	1@1	24.16	21.16	0.1306
2	15	15	392000	1880	DFT-s-OFDM PI/2 BPSK	1@77	24.23	21.23	0.1327
2	15	15	392000	1880	DFT-s-OFDM QPSK	36@18	24.32	21.32	0.1355
2	15	15	392000	1880	DFT-s-OFDM QPSK	1@1	24.27	21.27	0.1340
2	15	15	392000	1880	DFT-s-OFDM QPSK	1@77	24.33	21.33	0.1358
2	15	15	392000	1880	DFT-s-OFDM 16 QAM	36@18	23.3	20.3	0.1072
2	15	15	392000	1880	DFT-s-OFDM 16 QAM	1@1	22.95	19.95	0.0989
2	15	15	392000	1880	DFT-s-OFDM 16 QAM	1@77	23.02	20.02	0.1005
2	15	15	392000	1880	DFT-s-OFDM 64 QAM	36@18	21.87	18.87	0.0771
2	15	15	392000	1880	DFT-s-OFDM 64 QAM	1@1	21.4	18.4	0.0692
2	15	15	392000	1880	DFT-s-OFDM 64 QAM	1@77	21.47	18.47	0.0703

2	15	15	392000	1880	DFT-s-OFDM 256 QAM	36@18	19.84	16.84	0.0483
2	15	15	392000	1880	DFT-s-OFDM 256 QAM	1@1	19.68	16.68	0.0466
2	15	15	392000	1880	DFT-s-OFDM 256 QAM	1@77	19.77	16.77	0.0475
2	15	15	392000	1880	CP-OFDM QPSK	39@19	22.76	19.76	0.0946
2	15	15	392000	1880	CP-OFDM QPSK	1@1	22.53	19.53	0.0897
2	15	15	392000	1880	CP-OFDM QPSK	1@77	22.59	19.59	0.0910
2	15	15	396500	1902.5	DFT-s-OFDM PI/2 BPSK	36@18	24.2	21.2	0.1318
2	15	15	396500	1902.5	DFT-s-OFDM PI/2 BPSK	1@1	24.08	21.08	0.1282
2	15	15	396500	1902.5	DFT-s-OFDM PI/2 BPSK	1@77	24.1	21.1	0.1288
2	15	15	396500	1902.5	DFT-s-OFDM QPSK	36@18	24.24	21.24	0.1330
2	15	15	396500	1902.5	DFT-s-OFDM QPSK	1@1	24.11	21.11	0.1291
2	15	15	396500	1902.5	DFT-s-OFDM QPSK	1@77	24.2	21.2	0.1318
2	15	15	396500	1902.5	DFT-s-OFDM 16 QAM	36@18	23.24	20.24	0.1057
2	15	15	396500	1902.5	DFT-s-OFDM 16 QAM	1@1	22.86	19.86	0.0968
2	15	15	396500	1902.5	DFT-s-OFDM 16 QAM	1@77	22.88	19.88	0.0973
2	15	15	396500	1902.5	DFT-s-OFDM 64 QAM	36@18	21.72	18.72	0.0745
2	15	15	396500	1902.5	DFT-s-OFDM 64 QAM	1@1	21.29	18.29	0.0675
2	15	15	396500	1902.5	DFT-s-OFDM 64 QAM	1@77	21.24	18.24	0.0667
2	15	15	396500	1902.5	DFT-s-OFDM 256 QAM	36@18	19.67	16.67	0.0465
2	15	15	396500	1902.5	DFT-s-OFDM 256 QAM	1@1	19.6	16.6	0.0457
2	15	15	396500	1902.5	DFT-s-OFDM 256 QAM	1@77	19.56	16.56	0.0453
2	15	15	396500	1902.5	CP-OFDM QPSK	39@19	22.66	19.66	0.0925
2	15	15	396500	1902.5	CP-OFDM QPSK	1@1	22.53	19.53	0.0897
2	15	15	396500	1902.5	CP-OFDM QPSK	1@77	22.36	19.36	0.0863

2	15	20	388000	1860	DFT-s-OFDM PI/2 BPSK	50@25	24.26	21.26	0.1337
2	15	20	388000	1860	DFT-s-OFDM PI/2 BPSK	1@1	24.04	21.04	0.1271
2	15	20	388000	1860	DFT-s-OFDM PI/2 BPSK	1@104	24.24	21.24	0.1330
2	15	20	388000	1860	DFT-s-OFDM QPSK	50@25	24.3	21.3	0.1349
2	15	20	388000	1860	DFT-s-OFDM QPSK	1@1	24.12	21.12	0.1294
2	15	20	388000	1860	DFT-s-OFDM QPSK	1@104	24.3	21.3	0.1349
2	15	20	388000	1860	DFT-s-OFDM 16 QAM	50@25	23.31	20.31	0.1074
2	15	20	388000	1860	DFT-s-OFDM 16 QAM	1@1	22.82	19.82	0.0959
2	15	20	388000	1860	DFT-s-OFDM 16 QAM	1@104	22.92	19.92	0.0982
2	15	20	388000	1860	DFT-s-OFDM 64 QAM	50@25	21.8	18.8	0.0759
2	15	20	388000	1860	DFT-s-OFDM 64 QAM	1@1	21.33	18.33	0.0681
2	15	20	388000	1860	DFT-s-OFDM 64 QAM	1@104	21.41	18.41	0.0693
2	15	20	388000	1860	DFT-s-OFDM 256 QAM	50@25	19.77	16.77	0.0475
2	15	20	388000	1860	DFT-s-OFDM 256 QAM	1@1	19.62	16.62	0.0459
2	15	20	388000	1860	DFT-s-OFDM 256 QAM	1@104	19.74	16.74	0.0472
2	15	20	388000	1860	CP-OFDM QPSK	53@26	22.82	19.82	0.0959
2	15	20	388000	1860	CP-OFDM QPSK	1@1	22.47	19.47	0.0885
2	15	20	388000	1860	CP-OFDM QPSK	1@104	22.55	19.55	0.0902
2	15	20	392000	1880	DFT-s-OFDM PI/2 BPSK	50@25	24.34	21.34	0.1361
2	15	20	392000	1880	DFT-s-OFDM PI/2 BPSK	1@1	24.13	21.13	0.1297
2	15	20	392000	1880	DFT-s-OFDM PI/2 BPSK	1@104	24.22	21.22	0.1324
2	15	20	392000	1880	DFT-s-OFDM QPSK	50@25	24.35	21.35	0.1365
2	15	20	392000	1880	DFT-s-OFDM QPSK	1@1	24.22	21.22	0.1324
2	15	20	392000	1880	DFT-s-OFDM	1@104	24.26	21.26	0.1337

					QPSK				
2	15	20	392000	1880	DFT-s-OFDM 16 QAM	50@25	23.34	20.34	0.1081
2	15	20	392000	1880	DFT-s-OFDM 16 QAM	1@1	22.84	19.84	0.0964
2	15	20	392000	1880	DFT-s-OFDM 16 QAM	1@104	22.96	19.96	0.0991
2	15	20	392000	1880	DFT-s-OFDM 64 QAM	50@25	21.81	18.81	0.0760
2	15	20	392000	1880	DFT-s-OFDM 64 QAM	1@1	21.37	18.37	0.0687
2	15	20	392000	1880	DFT-s-OFDM 64 QAM	1@104	21.42	18.42	0.0695
2	15	20	392000	1880	DFT-s-OFDM 256 QAM	50@25	19.82	16.82	0.0481
2	15	20	392000	1880	DFT-s-OFDM 256 QAM	1@1	19.7	16.7	0.0468
2	15	20	392000	1880	DFT-s-OFDM 256 QAM	1@104	19.73	16.73	0.0471
2	15	20	392000	1880	CP-OFDM QPSK	53@26	22.86	19.86	0.0968
2	15	20	392000	1880	CP-OFDM QPSK	1@1	22.5	19.5	0.0891
2	15	20	392000	1880	CP-OFDM QPSK	1@104	22.58	19.58	0.0908
2	15	20	396000	1900	DFT-s-OFDM PI/2 BPSK	50@25	24.2	21.2	0.1318
2	15	20	396000	1900	DFT-s-OFDM PI/2 BPSK	1@1	24.02	21.02	0.1265
2	15	20	396000	1900	DFT-s-OFDM PI/2 BPSK	1@104	24.06	21.06	0.1276
2	15	20	396000	1900	DFT-s-OFDM QPSK	50@25	24.22	21.22	0.1324
2	15	20	396000	1900	DFT-s-OFDM QPSK	1@1	24.05	21.05	0.1274
2	15	20	396000	1900	DFT-s-OFDM QPSK	1@104	24.16	21.16	0.1306
2	15	20	396000	1900	DFT-s-OFDM 16 QAM	50@25	23.23	20.23	0.1054
2	15	20	396000	1900	DFT-s-OFDM 16 QAM	1@1	22.71	19.71	0.0935
2	15	20	396000	1900	DFT-s-OFDM 16 QAM	1@104	22.83	19.83	0.0962
2	15	20	396000	1900	DFT-s-OFDM 64 QAM	50@25	21.67	18.67	0.0736
2	15	20	396000	1900	DFT-s-OFDM 64 QAM	1@1	21.19	18.19	0.0659

2	15	20	396000	1900	DFT-s-OFDM 64 QAM	1@104	21.23	18.23	0.0665
2	15	20	396000	1900	DFT-s-OFDM 256 QAM	50@25	19.61	16.61	0.0458
2	15	20	396000	1900	DFT-s-OFDM 256 QAM	1@1	19.46	16.46	0.0443
2	15	20	396000	1900	DFT-s-OFDM 256 QAM	1@104	19.58	16.58	0.0455
2	15	20	396000	1900	CP-OFDM QPSK	53@26	22.73	19.73	0.0940
2	15	20	396000	1900	CP-OFDM QPSK	1@1	22.42	19.42	0.0875
2	15	20	396000	1900	CP-OFDM QPSK	1@104	22.4	19.4	0.0871

Software Version: 22.02.012801

FR1 N25

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

Transmitter Conducted Output Power And EIRP, (G_T-L_C) =-3.0dB

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	24.14	21.14	0.1300
25	15	5	386500	1852.5	DFT-s-OFDM PI/2 BPSK	1@1	24.16	21.16	0.1306
25	15	5	386500	1852.5	DFT-s-OFDM PI/2 BPSK	1@23	24.16	21.16	0.1306
25	15	5	386500	1852.5	DFT-s-OFDM QPSK	12@6	24.18	21.18	0.1312
25	15	5	386500	1852.5	DFT-s-OFDM QPSK	1@1	24.08	21.08	0.1282
25	15	5	386500	1852.5	DFT-s-OFDM QPSK	1@23	24.16	21.16	0.1306
25	15	5	386500	1852.5	DFT-s-OFDM 16 QAM	12@6	23.16	20.16	0.1038
25	15	5	386500	1852.5	DFT-s-OFDM 16 QAM	1@1	23.07	20.07	0.1016
25	15	5	386500	1852.5	DFT-s-OFDM 16 QAM	1@23	23.14	20.14	0.1033
25	15	5	386500	1852.5	DFT-s-OFDM 64 QAM	12@6	21.69	18.69	0.0740
25	15	5	386500	1852.5	DFT-s-OFDM 64 QAM	1@1	21.55	18.55	0.0716
25	15	5	386500	1852.5	DFT-s-OFDM 64 QAM	1@23	21.58	18.58	0.0721
25	15	5	386500	1852.5	DFT-s-OFDM 256 QAM	12@6	19.67	16.67	0.0465
25	15	5	386500	1852.5	DFT-s-OFDM 256 QAM	1@1	19.51	16.51	0.0448
25	15	5	386500	1852.5	DFT-s-OFDM 256 QAM	1@23	19.55	16.55	0.0452
25	15	5	386500	1852.5	CP-OFDM QPSK	13@6	22.65	19.65	0.0923
25	15	5	386500	1852.5	CP-OFDM QPSK	1@1	22.56	19.56	0.0904
25	15	5	386500	1852.5	CP-OFDM QPSK	1@23	22.53	19.53	0.0897

25	15	5	392500	1882.5	DFT-s-OFDM PI/2 BPSK	12@6	24.25	21.25	0.1334
25	15	5	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	24.21	21.21	0.1321
25	15	5	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@23	24.19	21.19	0.1315
25	15	5	392500	1882.5	DFT-s-OFDM QPSK	12@6	24.25	21.25	0.1334
25	15	5	392500	1882.5	DFT-s-OFDM QPSK	1@1	24.2	21.2	0.1318
25	15	5	392500	1882.5	DFT-s-OFDM QPSK	1@23	24.19	21.19	0.1315
25	15	5	392500	1882.5	DFT-s-OFDM 16 QAM	12@6	23.24	20.24	0.1057
25	15	5	392500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.22	20.22	0.1052
25	15	5	392500	1882.5	DFT-s-OFDM 16 QAM	1@23	23.22	20.22	0.1052
25	15	5	392500	1882.5	DFT-s-OFDM 64 QAM	12@6	21.73	18.73	0.0746
25	15	5	392500	1882.5	DFT-s-OFDM 64 QAM	1@1	21.66	18.66	0.0735
25	15	5	392500	1882.5	DFT-s-OFDM 64 QAM	1@23	21.63	18.63	0.0729
25	15	5	392500	1882.5	DFT-s-OFDM 256 QAM	12@6	19.77	16.77	0.0475
25	15	5	392500	1882.5	DFT-s-OFDM 256 QAM	1@1	19.64	16.64	0.0461
25	15	5	392500	1882.5	DFT-s-OFDM 256 QAM	1@23	19.55	16.55	0.0452
25	15	5	392500	1882.5	CP-OFDM QPSK	13@6	22.68	19.68	0.0929
25	15	5	392500	1882.5	CP-OFDM QPSK	1@1	22.66	19.66	0.0925
25	15	5	392500	1882.5	CP-OFDM QPSK	1@23	22.62	19.62	0.0916
25	15	5	398500	1912.5	DFT-s-OFDM PI/2 BPSK	12@6	24.32	21.32	0.1355
25	15	5	398500	1912.5	DFT-s-OFDM PI/2 BPSK	1@1	24.24	21.24	0.1330
25	15	5	398500	1912.5	DFT-s-OFDM PI/2 BPSK	1@23	24.13	21.13	0.1297
25	15	5	398500	1912.5	DFT-s-OFDM QPSK	12@6	24.34	21.34	0.1361
25	15	5	398500	1912.5	DFT-s-OFDM QPSK	1@1	24.2	21.2	0.1318
25	15	5	398500	1912.5	DFT-s-OFDM	1@23	24.12	21.12	0.1294

					QPSK				
25	15	5	398500	1912.5	DFT-s-OFDM 16 QAM	12@6	23.34	20.34	0.1081
25	15	5	398500	1912.5	DFT-s-OFDM 16 QAM	1@1	23.24	20.24	0.1057
25	15	5	398500	1912.5	DFT-s-OFDM 16 QAM	1@23	23.14	20.14	0.1033
25	15	5	398500	1912.5	DFT-s-OFDM 64 QAM	12@6	21.81	18.81	0.0760
25	15	5	398500	1912.5	DFT-s-OFDM 64 QAM	1@1	21.71	18.71	0.0743
25	15	5	398500	1912.5	DFT-s-OFDM 64 QAM	1@23	21.79	18.79	0.0757
25	15	5	398500	1912.5	DFT-s-OFDM 256 QAM	12@6	19.83	16.83	0.0482
25	15	5	398500	1912.5	DFT-s-OFDM 256 QAM	1@1	19.64	16.64	0.0461
25	15	5	398500	1912.5	DFT-s-OFDM 256 QAM	1@23	19.67	16.67	0.0465
25	15	5	398500	1912.5	CP-OFDM QPSK	13@6	22.82	19.82	0.0959
25	15	5	398500	1912.5	CP-OFDM QPSK	1@1	22.65	19.65	0.0923
25	15	5	398500	1912.5	CP-OFDM QPSK	1@23	22.61	19.61	0.0914
25	15	10	387000	1855	DFT-s-OFDM PI/2 BPSK	25@12	24.09	21.09	0.1285
25	15	10	387000	1855	DFT-s-OFDM PI/2 BPSK	1@1	23.97	20.97	0.1250
25	15	10	387000	1855	DFT-s-OFDM PI/2 BPSK	1@50	24.05	21.05	0.1274
25	15	10	387000	1855	DFT-s-OFDM QPSK	25@12	24.08	21.08	0.1282
25	15	10	387000	1855	DFT-s-OFDM QPSK	1@1	23.91	20.91	0.1233
25	15	10	387000	1855	DFT-s-OFDM QPSK	1@50	24.01	21.01	0.1262
25	15	10	387000	1855	DFT-s-OFDM 16 QAM	25@12	23.12	20.12	0.1028
25	15	10	387000	1855	DFT-s-OFDM 16 QAM	1@1	22.98	19.98	0.0995
25	15	10	387000	1855	DFT-s-OFDM 16 QAM	1@50	23.01	20.01	0.1002
25	15	10	387000	1855	DFT-s-OFDM 64 QAM	25@12	21.58	18.58	0.0721
25	15	10	387000	1855	DFT-s-OFDM 64 QAM	1@1	21.44	18.44	0.0698

25	15	10	387000	1855	DFT-s-OFDM 64 QAM	1@50	21.47	18.47	0.0703
25	15	10	387000	1855	DFT-s-OFDM 256 QAM	25@12	19.63	16.63	0.0460
25	15	10	387000	1855	DFT-s-OFDM 256 QAM	1@1	19.38	16.38	0.0435
25	15	10	387000	1855	DFT-s-OFDM 256 QAM	1@50	19.45	16.45	0.0442
25	15	10	387000	1855	CP-OFDM QPSK	26@13	22.53	19.53	0.0897
25	15	10	387000	1855	CP-OFDM QPSK	1@1	22.46	19.46	0.0883
25	15	10	387000	1855	CP-OFDM QPSK	1@50	22.5	19.5	0.0891
25	15	10	392500	1882.5	DFT-s-OFDM PI/2 BPSK	25@12	24.14	21.14	0.1300
25	15	10	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	24.1	21.1	0.1288
25	15	10	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@50	24.04	21.04	0.1271
25	15	10	392500	1882.5	DFT-s-OFDM QPSK	25@12	24.14	21.14	0.1300
25	15	10	392500	1882.5	DFT-s-OFDM QPSK	1@1	24.05	21.05	0.1274
25	15	10	392500	1882.5	DFT-s-OFDM QPSK	1@50	24.02	21.02	0.1265
25	15	10	392500	1882.5	DFT-s-OFDM 16 QAM	25@12	23.2	20.2	0.1047
25	15	10	392500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.1	20.1	0.1023
25	15	10	392500	1882.5	DFT-s-OFDM 16 QAM	1@50	23.08	20.08	0.1019
25	15	10	392500	1882.5	DFT-s-OFDM 64 QAM	25@12	21.66	18.66	0.0735
25	15	10	392500	1882.5	DFT-s-OFDM 64 QAM	1@1	21.53	18.53	0.0713
25	15	10	392500	1882.5	DFT-s-OFDM 64 QAM	1@50	21.52	18.52	0.0711
25	15	10	392500	1882.5	DFT-s-OFDM 256 QAM	25@12	19.7	16.7	0.0468
25	15	10	392500	1882.5	DFT-s-OFDM 256 QAM	1@1	19.5	16.5	0.0447
25	15	10	392500	1882.5	DFT-s-OFDM 256 QAM	1@50	19.47	16.47	0.0444
25	15	10	392500	1882.5	CP-OFDM QPSK	26@13	22.6	19.6	0.0912
25	15	10	392500	1882.5	CP-OFDM QPSK	1@1	22.49	19.49	0.0889

25	15	10	392500	1882.5	CP-OFDM QPSK	1@50	22.52	19.52	0.0895
25	15	10	398000	1910	DFT-s-OFDM PI/2 BPSK	25@12	24.05	21.05	0.1274
25	15	10	398000	1910	DFT-s-OFDM PI/2 BPSK	1@1	23.98	20.98	0.1253
25	15	10	398000	1910	DFT-s-OFDM PI/2 BPSK	1@50	23.95	20.95	0.1245
25	15	10	398000	1910	DFT-s-OFDM QPSK	25@12	24.08	21.08	0.1282
25	15	10	398000	1910	DFT-s-OFDM QPSK	1@1	23.9	20.9	0.1230
25	15	10	398000	1910	DFT-s-OFDM QPSK	1@50	23.91	20.91	0.1233
25	15	10	398000	1910	DFT-s-OFDM 16 QAM	25@12	23.1	20.1	0.1023
25	15	10	398000	1910	DFT-s-OFDM 16 QAM	1@1	22.94	19.94	0.0986
25	15	10	398000	1910	DFT-s-OFDM 16 QAM	1@50	22.92	19.92	0.0982
25	15	10	398000	1910	DFT-s-OFDM 64 QAM	25@12	21.57	18.57	0.0719
25	15	10	398000	1910	DFT-s-OFDM 64 QAM	1@1	21.39	18.39	0.0690
25	15	10	398000	1910	DFT-s-OFDM 64 QAM	1@50	21.53	18.53	0.0713
25	15	10	398000	1910	DFT-s-OFDM 256 QAM	25@12	19.57	16.57	0.0454
25	15	10	398000	1910	DFT-s-OFDM 256 QAM	1@1	19.38	16.38	0.0435
25	15	10	398000	1910	DFT-s-OFDM 256 QAM	1@50	19.45	16.45	0.0442
25	15	10	398000	1910	CP-OFDM QPSK	26@13	22.53	19.53	0.0897
25	15	10	398000	1910	CP-OFDM QPSK	1@1	22.38	19.38	0.0867
25	15	10	398000	1910	CP-OFDM QPSK	1@50	22.41	19.41	0.0873
25	15	15	387500	1857.5	DFT-s-OFDM PI/2 BPSK	36@18	24.29	21.29	0.1346
25	15	15	387500	1857.5	DFT-s-OFDM PI/2 BPSK	1@1	24.15	21.15	0.1303
25	15	15	387500	1857.5	DFT-s-OFDM PI/2 BPSK	1@77	24.2	21.2	0.1318
25	15	15	387500	1857.5	DFT-s-OFDM QPSK	36@18	24.33	21.33	0.1358
25	15	15	387500	1857.5	DFT-s-OFDM QPSK	1@1	24.13	21.13	0.1297

25	15	15	387500	1857.5	DFT-s-OFDM QPSK	1@77	24.19	21.19	0.1315
25	15	15	387500	1857.5	DFT-s-OFDM 16 QAM	36@18	23.3	20.3	0.1072
25	15	15	387500	1857.5	DFT-s-OFDM 16 QAM	1@1	23.15	20.15	0.1035
25	15	15	387500	1857.5	DFT-s-OFDM 16 QAM	1@77	23.18	20.18	0.1042
25	15	15	387500	1857.5	DFT-s-OFDM 64 QAM	36@18	21.79	18.79	0.0757
25	15	15	387500	1857.5	DFT-s-OFDM 64 QAM	1@1	21.63	18.63	0.0729
25	15	15	387500	1857.5	DFT-s-OFDM 64 QAM	1@77	21.66	18.66	0.0735
25	15	15	387500	1857.5	DFT-s-OFDM 256 QAM	36@18	19.73	16.73	0.0471
25	15	15	387500	1857.5	DFT-s-OFDM 256 QAM	1@1	19.59	16.59	0.0456
25	15	15	387500	1857.5	DFT-s-OFDM 256 QAM	1@77	19.63	16.63	0.0460
25	15	15	387500	1857.5	CP-OFDM QPSK	39@19	22.74	19.74	0.0942
25	15	15	387500	1857.5	CP-OFDM QPSK	1@1	22.61	19.61	0.0914
25	15	15	387500	1857.5	CP-OFDM QPSK	1@77	22.56	19.56	0.0904
25	15	15	392500	1882.5	DFT-s-OFDM PI/2 BPSK	36@18	24.31	21.31	0.1352
25	15	15	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	24.3	21.3	0.1349
25	15	15	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@77	24.22	21.22	0.1324
25	15	15	392500	1882.5	DFT-s-OFDM QPSK	36@18	24.37	21.37	0.1371
25	15	15	392500	1882.5	DFT-s-OFDM QPSK	1@1	24.24	21.24	0.1330
25	15	15	392500	1882.5	DFT-s-OFDM QPSK	1@77	24.22	21.22	0.1324
25	15	15	392500	1882.5	DFT-s-OFDM 16 QAM	36@18	23.34	20.34	0.1081
25	15	15	392500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.26	20.26	0.1062
25	15	15	392500	1882.5	DFT-s-OFDM 16 QAM	1@77	23.26	20.26	0.1062
25	15	15	392500	1882.5	DFT-s-OFDM 64 QAM	36@18	21.79	18.79	0.0757
25	15	15	392500	1882.5	DFT-s-OFDM 64	1@1	21.72	18.72	0.0745

					QAM				
25	15	15	392500	1882.5	DFT-s-OFDM 64 QAM	1@77	21.67	18.67	0.0736
25	15	15	392500	1882.5	DFT-s-OFDM 256 QAM	36@18	19.8	16.8	0.0479
25	15	15	392500	1882.5	DFT-s-OFDM 256 QAM	1@1	19.67	16.67	0.0465
25	15	15	392500	1882.5	DFT-s-OFDM 256 QAM	1@77	19.66	16.66	0.0463
25	15	15	392500	1882.5	CP-OFDM QPSK	39@19	22.79	19.79	0.0953
25	15	15	392500	1882.5	CP-OFDM QPSK	1@1	22.69	19.69	0.0931
25	15	15	392500	1882.5	CP-OFDM QPSK	1@77	22.6	19.6	0.0912
25	15	15	397500	1907.5	DFT-s-OFDM PI/2 BPSK	36@18	24.23	21.23	0.1327
25	15	15	397500	1907.5	DFT-s-OFDM PI/2 BPSK	1@1	24.1	21.1	0.1288
25	15	15	397500	1907.5	DFT-s-OFDM PI/2 BPSK	1@77	24.1	21.1	0.1288
25	15	15	397500	1907.5	DFT-s-OFDM QPSK	36@18	24.28	21.28	0.1343
25	15	15	397500	1907.5	DFT-s-OFDM QPSK	1@1	24.02	21.02	0.1265
25	15	15	397500	1907.5	DFT-s-OFDM QPSK	1@77	24.05	21.05	0.1274
25	15	15	397500	1907.5	DFT-s-OFDM 16 QAM	36@18	23.27	20.27	0.1064
25	15	15	397500	1907.5	DFT-s-OFDM 16 QAM	1@1	23.06	20.06	0.1014
25	15	15	397500	1907.5	DFT-s-OFDM 16 QAM	1@77	23.05	20.05	0.1012
25	15	15	397500	1907.5	DFT-s-OFDM 64 QAM	36@18	21.69	18.69	0.0740
25	15	15	397500	1907.5	DFT-s-OFDM 64 QAM	1@1	21.49	18.49	0.0706
25	15	15	397500	1907.5	DFT-s-OFDM 64 QAM	1@77	21.64	18.64	0.0731
25	15	15	397500	1907.5	DFT-s-OFDM 256 QAM	36@18	19.63	16.63	0.0460
25	15	15	397500	1907.5	DFT-s-OFDM 256 QAM	1@1	19.45	16.45	0.0442
25	15	15	397500	1907.5	DFT-s-OFDM 256 QAM	1@77	19.56	16.56	0.0453
25	15	15	397500	1907.5	CP-OFDM QPSK	39@19	22.73	19.73	0.0940

25	15	15	397500	1907.5	CP-OFDM QPSK	1@1	22.55	19.55	0.0902
25	15	15	397500	1907.5	CP-OFDM QPSK	1@77	22.34	19.34	0.0859
25	15	20	388000	1860	DFT-s-OFDM PI/2 BPSK	50@25	24.34	21.34	0.1361
25	15	20	388000	1860	DFT-s-OFDM PI/2 BPSK	1@1	24.16	21.16	0.1306
25	15	20	388000	1860	DFT-s-OFDM PI/2 BPSK	1@104	24.21	21.21	0.1321
25	15	20	388000	1860	DFT-s-OFDM QPSK	50@25	24.36	21.36	0.1368
25	15	20	388000	1860	DFT-s-OFDM QPSK	1@1	24.13	21.13	0.1297
25	15	20	388000	1860	DFT-s-OFDM QPSK	1@104	24.17	21.17	0.1309
25	15	20	388000	1860	DFT-s-OFDM 16 QAM	50@25	23.37	20.37	0.1089
25	15	20	388000	1860	DFT-s-OFDM 16 QAM	1@1	23.14	20.14	0.1033
25	15	20	388000	1860	DFT-s-OFDM 16 QAM	1@104	23.21	20.21	0.1050
25	15	20	388000	1860	DFT-s-OFDM 64 QAM	50@25	21.86	18.86	0.0769
25	15	20	388000	1860	DFT-s-OFDM 64 QAM	1@1	21.61	18.61	0.0726
25	15	20	388000	1860	DFT-s-OFDM 64 QAM	1@104	21.7	18.7	0.0741
25	15	20	388000	1860	DFT-s-OFDM 256 QAM	50@25	19.79	16.79	0.0478
25	15	20	388000	1860	DFT-s-OFDM 256 QAM	1@1	19.55	16.55	0.0452
25	15	20	388000	1860	DFT-s-OFDM 256 QAM	1@104	19.64	16.64	0.0461
25	15	20	388000	1860	CP-OFDM QPSK	53@26	22.86	19.86	0.0968
25	15	20	388000	1860	CP-OFDM QPSK	1@1	22.57	19.57	0.0906
25	15	20	388000	1860	CP-OFDM QPSK	1@104	22.64	19.64	0.0920
25	15	20	392500	1882.5	DFT-s-OFDM PI/2 BPSK	50@25	24.33	21.33	0.1358
25	15	20	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	24.2	21.2	0.1318
25	15	20	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@104	24.19	21.19	0.1315
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	50@25	24.35	21.35	0.1365

25	15	20	392500	1882.5	DFT-s-OFDM QPSK	1@1	24.17	21.17	0.1309
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	1@104	24.14	21.14	0.1300
25	15	20	392500	1882.5	DFT-s-OFDM 16 QAM	50@25	23.41	20.41	0.1099
25	15	20	392500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.2	20.2	0.1047
25	15	20	392500	1882.5	DFT-s-OFDM 16 QAM	1@104	23.17	20.17	0.1040
25	15	20	392500	1882.5	DFT-s-OFDM 64 QAM	50@25	21.85	18.85	0.0767
25	15	20	392500	1882.5	DFT-s-OFDM 64 QAM	1@1	21.64	18.64	0.0731
25	15	20	392500	1882.5	DFT-s-OFDM 64 QAM	1@104	21.66	18.66	0.0735
25	15	20	392500	1882.5	DFT-s-OFDM 256 QAM	50@25	19.81	16.81	0.0480
25	15	20	392500	1882.5	DFT-s-OFDM 256 QAM	1@1	19.61	16.61	0.0458
25	15	20	392500	1882.5	DFT-s-OFDM 256 QAM	1@104	19.61	16.61	0.0458
25	15	20	392500	1882.5	CP-OFDM QPSK	53@26	22.85	19.85	0.0966
25	15	20	392500	1882.5	CP-OFDM QPSK	1@1	22.6	19.6	0.0912
25	15	20	392500	1882.5	CP-OFDM QPSK	1@104	22.58	19.58	0.0908
25	15	20	397000	1905	DFT-s-OFDM PI/2 BPSK	50@25	24.25	21.25	0.1334
25	15	20	397000	1905	DFT-s-OFDM PI/2 BPSK	1@1	24.11	21.11	0.1291
25	15	20	397000	1905	DFT-s-OFDM PI/2 BPSK	1@104	24.11	21.11	0.1291
25	15	20	397000	1905	DFT-s-OFDM QPSK	50@25	24.33	21.33	0.1358
25	15	20	397000	1905	DFT-s-OFDM QPSK	1@1	24.05	21.05	0.1274
25	15	20	397000	1905	DFT-s-OFDM QPSK	1@104	24.07	21.07	0.1279
25	15	20	397000	1905	DFT-s-OFDM 16 QAM	50@25	23.3	20.3	0.1072
25	15	20	397000	1905	DFT-s-OFDM 16 QAM	1@1	23.09	20.09	0.1021
25	15	20	397000	1905	DFT-s-OFDM 16 QAM	1@104	23.08	20.08	0.1019
25	15	20	397000	1905	DFT-s-OFDM 64	50@25	21.8	18.8	0.0759

					QAM				
25	15	20	397000	1905	DFT-s-OFDM 64 QAM	1@1	21.53	18.53	0.0713
25	15	20	397000	1905	DFT-s-OFDM 64 QAM	1@104	21.7	18.7	0.0741
25	15	20	397000	1905	DFT-s-OFDM 256 QAM	50@25	19.66	16.66	0.0463
25	15	20	397000	1905	DFT-s-OFDM 256 QAM	1@1	19.51	16.51	0.0448
25	15	20	397000	1905	DFT-s-OFDM 256 QAM	1@104	19.61	16.61	0.0458
25	15	20	397000	1905	CP-OFDM QPSK	53@26	22.77	19.77	0.0948
25	15	20	397000	1905	CP-OFDM QPSK	1@1	22.53	19.53	0.0897
25	15	20	397000	1905	CP-OFDM QPSK	1@104	22.47	19.47	0.0885
25	15	25	388500	1862.5	DFT-s-OFDM PI/2 BPSK	64@32	24.33	21.33	0.1358
25	15	25	388500	1862.5	DFT-s-OFDM PI/2 BPSK	1@1	24.09	21.09	0.1285
25	15	25	388500	1862.5	DFT-s-OFDM PI/2 BPSK	1@131	24.24	21.24	0.1330
25	15	25	388500	1862.5	DFT-s-OFDM QPSK	64@32	24.36	21.36	0.1368
25	15	25	388500	1862.5	DFT-s-OFDM QPSK	1@1	24.08	21.08	0.1282
25	15	25	388500	1862.5	DFT-s-OFDM QPSK	1@131	24.14	21.14	0.1300
25	15	25	388500	1862.5	DFT-s-OFDM 16 QAM	64@32	23.34	20.34	0.1081
25	15	25	388500	1862.5	DFT-s-OFDM 16 QAM	1@1	23.06	20.06	0.1014
25	15	25	388500	1862.5	DFT-s-OFDM 16 QAM	1@131	23.18	20.18	0.1042
25	15	25	388500	1862.5	DFT-s-OFDM 64 QAM	64@32	21.8	18.8	0.0759
25	15	25	388500	1862.5	DFT-s-OFDM 64 QAM	1@1	21.52	18.52	0.0711
25	15	25	388500	1862.5	DFT-s-OFDM 64 QAM	1@131	21.65	18.65	0.0733
25	15	25	388500	1862.5	DFT-s-OFDM 256 QAM	64@32	19.8	16.8	0.0479
25	15	25	388500	1862.5	DFT-s-OFDM 256 QAM	1@1	19.47	16.47	0.0444
25	15	25	388500	1862.5	DFT-s-OFDM 256 QAM	1@131	19.59	16.59	0.0456

25	15	25	388500	1862.5	CP-OFDM QPSK	67@33	22.84	19.84	0.0964
25	15	25	388500	1862.5	CP-OFDM QPSK	1@1	22.51	19.51	0.0893
25	15	25	388500	1862.5	CP-OFDM QPSK	1@131	22.69	19.69	0.0931
25	15	25	392500	1882.5	DFT-s-OFDM PI/2 BPSK	64@32	24.36	21.36	0.1368
25	15	25	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	24.18	21.18	0.1312
25	15	25	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@131	24.16	21.16	0.1306
25	15	25	392500	1882.5	DFT-s-OFDM QPSK	64@32	24.39	21.39	0.1377
25	15	25	392500	1882.5	DFT-s-OFDM QPSK	1@1	24.08	21.08	0.1282
25	15	25	392500	1882.5	DFT-s-OFDM QPSK	1@131	24.13	21.13	0.1297
25	15	25	392500	1882.5	DFT-s-OFDM 16 QAM	64@32	23.35	20.35	0.1084
25	15	25	392500	1882.5	DFT-s-OFDM 16 QAM	1@1	23.12	20.12	0.1028
25	15	25	392500	1882.5	DFT-s-OFDM 16 QAM	1@131	23.16	20.16	0.1038
25	15	25	392500	1882.5	DFT-s-OFDM 64 QAM	64@32	21.84	18.84	0.0766
25	15	25	392500	1882.5	DFT-s-OFDM 64 QAM	1@1	21.61	18.61	0.0726
25	15	25	392500	1882.5	DFT-s-OFDM 64 QAM	1@131	21.57	18.57	0.0719
25	15	25	392500	1882.5	DFT-s-OFDM 256 QAM	64@32	19.87	16.87	0.0486
25	15	25	392500	1882.5	DFT-s-OFDM 256 QAM	1@1	19.53	16.53	0.0450
25	15	25	392500	1882.5	DFT-s-OFDM 256 QAM	1@131	19.57	16.57	0.0454
25	15	25	392500	1882.5	CP-OFDM QPSK	67@33	22.85	19.85	0.0966
25	15	25	392500	1882.5	CP-OFDM QPSK	1@1	22.56	19.56	0.0904
25	15	25	392500	1882.5	CP-OFDM QPSK	1@131	22.67	19.67	0.0927
25	15	25	396500	1902.5	DFT-s-OFDM PI/2 BPSK	64@32	24.26	21.26	0.1337
25	15	25	396500	1902.5	DFT-s-OFDM PI/2 BPSK	1@1	24.06	21.06	0.1276
25	15	25	396500	1902.5	DFT-s-OFDM PI/2 BPSK	1@131	23.99	20.99	0.1256

25	15	25	396500	1902.5	DFT-s-OFDM QPSK	64@32	24.31	21.31	0.1352
25	15	25	396500	1902.5	DFT-s-OFDM QPSK	1@1	23.98	20.98	0.1253
25	15	25	396500	1902.5	DFT-s-OFDM QPSK	1@131	23.96	20.96	0.1247
25	15	25	396500	1902.5	DFT-s-OFDM 16 QAM	64@32	23.28	20.28	0.1067
25	15	25	396500	1902.5	DFT-s-OFDM 16 QAM	1@1	23.05	20.05	0.1012
25	15	25	396500	1902.5	DFT-s-OFDM 16 QAM	1@131	22.97	19.97	0.0993
25	15	25	396500	1902.5	DFT-s-OFDM 64 QAM	64@32	21.76	18.76	0.0752
25	15	25	396500	1902.5	DFT-s-OFDM 64 QAM	1@1	21.46	18.46	0.0701
25	15	25	396500	1902.5	DFT-s-OFDM 64 QAM	1@131	21.52	18.52	0.0711
25	15	25	396500	1902.5	DFT-s-OFDM 256 QAM	64@32	19.71	16.71	0.0469
25	15	25	396500	1902.5	DFT-s-OFDM 256 QAM	1@1	19.43	16.43	0.0440
25	15	25	396500	1902.5	DFT-s-OFDM 256 QAM	1@131	19.44	16.44	0.0441
25	15	25	396500	1902.5	CP-OFDM QPSK	67@33	22.74	19.74	0.0942
25	15	25	396500	1902.5	CP-OFDM QPSK	1@1	22.51	19.51	0.0893
25	15	25	396500	1902.5	CP-OFDM QPSK	1@131	22.36	19.36	0.0863
25	15	30	389000	1865	DFT-s-OFDM PI/2 BPSK	80@40	24.33	21.33	0.1358
25	15	30	389000	1865	DFT-s-OFDM PI/2 BPSK	1@1	24	21	0.1259
25	15	30	389000	1865	DFT-s-OFDM PI/2 BPSK	1@158	24.15	21.15	0.1303
25	15	30	389000	1865	DFT-s-OFDM QPSK	80@40	24.37	21.37	0.1371
25	15	30	389000	1865	DFT-s-OFDM QPSK	1@1	23.97	20.97	0.1250
25	15	30	389000	1865	DFT-s-OFDM QPSK	1@158	24.11	21.11	0.1291
25	15	30	389000	1865	DFT-s-OFDM 16 QAM	80@40	23.38	20.38	0.1091
25	15	30	389000	1865	DFT-s-OFDM 16 QAM	1@1	23	20	0.1000
25	15	30	389000	1865	DFT-s-OFDM 16	1@158	23.12	20.12	0.1028

					QAM				
25	15	30	389000	1865	DFT-s-OFDM 64 QAM	80@40	21.85	18.85	0.0767
25	15	30	389000	1865	DFT-s-OFDM 64 QAM	1@1	21.43	18.43	0.0697
25	15	30	389000	1865	DFT-s-OFDM 64 QAM	1@158	21.54	18.54	0.0714
25	15	30	389000	1865	DFT-s-OFDM 256 QAM	80@40	19.8	16.8	0.0479
25	15	30	389000	1865	DFT-s-OFDM 256 QAM	1@1	19.36	16.36	0.0433
25	15	30	389000	1865	DFT-s-OFDM 256 QAM	1@158	19.53	16.53	0.0450
25	15	30	389000	1865	CP-OFDM QPSK	80@40	22.88	19.88	0.0973
25	15	30	389000	1865	CP-OFDM QPSK	1@1	22.38	19.38	0.0867
25	15	30	389000	1865	CP-OFDM QPSK	1@158	22.52	19.52	0.0895
25	15	30	392500	1882.5	DFT-s-OFDM PI/2 BPSK	80@40	24.23	21.23	0.1327
25	15	30	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	23.91	20.91	0.1233
25	15	30	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@158	23.93	20.93	0.1239
25	15	30	392500	1882.5	DFT-s-OFDM QPSK	80@40	24.31	21.31	0.1352
25	15	30	392500	1882.5	DFT-s-OFDM QPSK	1@1	23.93	20.93	0.1239
25	15	30	392500	1882.5	DFT-s-OFDM QPSK	1@158	23.9	20.9	0.1230
25	15	30	392500	1882.5	DFT-s-OFDM 16 QAM	80@40	23.27	20.27	0.1064
25	15	30	392500	1882.5	DFT-s-OFDM 16 QAM	1@1	22.91	19.91	0.0979
25	15	30	392500	1882.5	DFT-s-OFDM 16 QAM	1@158	22.92	19.92	0.0982
25	15	30	392500	1882.5	DFT-s-OFDM 64 QAM	80@40	21.73	18.73	0.0746
25	15	30	392500	1882.5	DFT-s-OFDM 64 QAM	1@1	21.37	18.37	0.0687
25	15	30	392500	1882.5	DFT-s-OFDM 64 QAM	1@158	21.39	18.39	0.0690
25	15	30	392500	1882.5	DFT-s-OFDM 256 QAM	80@40	19.73	16.73	0.0471
25	15	30	392500	1882.5	DFT-s-OFDM 256 QAM	1@1	19.3	16.3	0.0427

25	15	30	392500	1882.5	DFT-s-OFDM 256 QAM	1@158	19.31	16.31	0.0428
25	15	30	392500	1882.5	CP-OFDM QPSK	80@40	22.75	19.75	0.0944
25	15	30	392500	1882.5	CP-OFDM QPSK	1@1	22.39	19.39	0.0869
25	15	30	392500	1882.5	CP-OFDM QPSK	1@158	22.42	19.42	0.0875
25	15	30	396000	1900	DFT-s-OFDM PI/2 BPSK	80@40	24.26	21.26	0.1337
25	15	30	396000	1900	DFT-s-OFDM PI/2 BPSK	1@1	23.93	20.93	0.1239
25	15	30	396000	1900	DFT-s-OFDM PI/2 BPSK	1@158	23.94	20.94	0.1242
25	15	30	396000	1900	DFT-s-OFDM QPSK	80@40	24.25	21.25	0.1334
25	15	30	396000	1900	DFT-s-OFDM QPSK	1@1	23.93	20.93	0.1239
25	15	30	396000	1900	DFT-s-OFDM QPSK	1@158	23.85	20.85	0.1216
25	15	30	396000	1900	DFT-s-OFDM 16 QAM	80@40	23.24	20.24	0.1057
25	15	30	396000	1900	DFT-s-OFDM 16 QAM	1@1	22.93	19.93	0.0984
25	15	30	396000	1900	DFT-s-OFDM 16 QAM	1@158	22.9	19.9	0.0977
25	15	30	396000	1900	DFT-s-OFDM 64 QAM	80@40	21.69	18.69	0.0740
25	15	30	396000	1900	DFT-s-OFDM 64 QAM	1@1	21.34	18.34	0.0682
25	15	30	396000	1900	DFT-s-OFDM 64 QAM	1@158	21.47	18.47	0.0703
25	15	30	396000	1900	DFT-s-OFDM 256 QAM	80@40	19.71	16.71	0.0469
25	15	30	396000	1900	DFT-s-OFDM 256 QAM	1@1	19.31	16.31	0.0428
25	15	30	396000	1900	DFT-s-OFDM 256 QAM	1@158	19.38	16.38	0.0435
25	15	30	396000	1900	CP-OFDM QPSK	80@40	22.75	19.75	0.0944
25	15	30	396000	1900	CP-OFDM QPSK	1@1	22.4	19.4	0.0871
25	15	30	396000	1900	CP-OFDM QPSK	1@158	22.28	19.28	0.0847
25	15	40	390000	1870	DFT-s-OFDM PI/2 BPSK	108@54	24.25	21.25	0.1334
25	15	40	390000	1870	DFT-s-OFDM PI/2 BPSK	1@1	23.6	20.6	0.1148

25	15	40	390000	1870	DFT-s-OFDM PI/2 BPSK	1@214	23.75	20.75	0.1189
25	15	40	390000	1870	DFT-s-OFDM QPSK	108@54	24.28	21.28	0.1343
25	15	40	390000	1870	DFT-s-OFDM QPSK	1@1	23.59	20.59	0.1146
25	15	40	390000	1870	DFT-s-OFDM QPSK	1@214	23.73	20.73	0.1183
25	15	40	390000	1870	DFT-s-OFDM 16 QAM	108@54	23.29	20.29	0.1069
25	15	40	390000	1870	DFT-s-OFDM 16 QAM	1@1	22.57	19.57	0.0906
25	15	40	390000	1870	DFT-s-OFDM 16 QAM	1@214	22.74	19.74	0.0942
25	15	40	390000	1870	DFT-s-OFDM 64 QAM	108@54	21.77	18.77	0.0753
25	15	40	390000	1870	DFT-s-OFDM 64 QAM	1@1	21.01	18.01	0.0632
25	15	40	390000	1870	DFT-s-OFDM 64 QAM	1@214	21.14	18.14	0.0652
25	15	40	390000	1870	DFT-s-OFDM 256 QAM	108@54	19.72	16.72	0.0470
25	15	40	390000	1870	DFT-s-OFDM 256 QAM	1@1	18.98	15.98	0.0396
25	15	40	390000	1870	DFT-s-OFDM 256 QAM	1@214	19.14	16.14	0.0411
25	15	40	390000	1870	CP-OFDM QPSK	108@54	22.75	19.75	0.0944
25	15	40	390000	1870	CP-OFDM QPSK	1@1	22.08	19.08	0.0809
25	15	40	390000	1870	CP-OFDM QPSK	1@214	22.21	19.21	0.0834
25	15	40	392500	1882.5	DFT-s-OFDM PI/2 BPSK	108@54	24.29	21.29	0.1346
25	15	40	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@1	23.7	20.7	0.1175
25	15	40	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@214	23.73	20.73	0.1183
25	15	40	392500	1882.5	DFT-s-OFDM QPSK	108@54	24.3	21.3	0.1349
25	15	40	392500	1882.5	DFT-s-OFDM QPSK	1@1	23.69	20.69	0.1172
25	15	40	392500	1882.5	DFT-s-OFDM QPSK	1@214	23.68	20.68	0.1169
25	15	40	392500	1882.5	DFT-s-OFDM 16 QAM	108@54	23.33	20.33	0.1079
25	15	40	392500	1882.5	DFT-s-OFDM 16	1@1	22.67	19.67	0.0927

					QAM				
25	15	40	392500	1882.5	DFT-s-OFDM 16 QAM	1@214	22.68	19.68	0.0929
25	15	40	392500	1882.5	DFT-s-OFDM 64 QAM	108@54	21.77	18.77	0.0753
25	15	40	392500	1882.5	DFT-s-OFDM 64 QAM	1@1	21.16	18.16	0.0655
25	15	40	392500	1882.5	DFT-s-OFDM 64 QAM	1@214	21.19	18.19	0.0659
25	15	40	392500	1882.5	DFT-s-OFDM 256 QAM	108@54	19.75	16.75	0.0473
25	15	40	392500	1882.5	DFT-s-OFDM 256 QAM	1@1	19.07	16.07	0.0405
25	15	40	392500	1882.5	DFT-s-OFDM 256 QAM	1@214	19.13	16.13	0.0410
25	15	40	392500	1882.5	CP-OFDM QPSK	108@54	22.75	19.75	0.0944
25	15	40	392500	1882.5	CP-OFDM QPSK	1@1	22.18	19.18	0.0828
25	15	40	392500	1882.5	CP-OFDM QPSK	1@214	22.16	19.16	0.0824
25	15	40	395000	1895	DFT-s-OFDM PI/2 BPSK	108@54	24.24	21.24	0.1330
25	15	40	395000	1895	DFT-s-OFDM PI/2 BPSK	1@1	23.73	20.73	0.1183
25	15	40	395000	1895	DFT-s-OFDM PI/2 BPSK	1@214	23.72	20.72	0.1180
25	15	40	395000	1895	DFT-s-OFDM QPSK	108@54	24.27	21.27	0.1340
25	15	40	395000	1895	DFT-s-OFDM QPSK	1@1	23.7	20.7	0.1175
25	15	40	395000	1895	DFT-s-OFDM QPSK	1@214	23.65	20.65	0.1161
25	15	40	395000	1895	DFT-s-OFDM 16 QAM	108@54	23.35	20.35	0.1084
25	15	40	395000	1895	DFT-s-OFDM 16 QAM	1@1	22.72	19.72	0.0938
25	15	40	395000	1895	DFT-s-OFDM 16 QAM	1@214	22.66	19.66	0.0925
25	15	40	395000	1895	DFT-s-OFDM 64 QAM	108@54	21.81	18.81	0.0760
25	15	40	395000	1895	DFT-s-OFDM 64 QAM	1@1	21.15	18.15	0.0653
25	15	40	395000	1895	DFT-s-OFDM 64 QAM	1@214	21.21	18.21	0.0662
25	15	40	395000	1895	DFT-s-OFDM 256 QAM	108@54	19.71	16.71	0.0469

25	15	40	395000	1895	DFT-s-OFDM 256 QAM	1@1	19.12	16.12	0.0409
25	15	40	395000	1895	DFT-s-OFDM 256 QAM	1@214	19.17	16.17	0.0414
25	15	40	395000	1895	CP-OFDM QPSK	108@54	22.78	19.78	0.0951
25	15	40	395000	1895	CP-OFDM QPSK	1@1	22.2	19.2	0.0832
25	15	40	395000	1895	CP-OFDM QPSK	1@214	22.14	19.14	0.0820

Frequency Stability

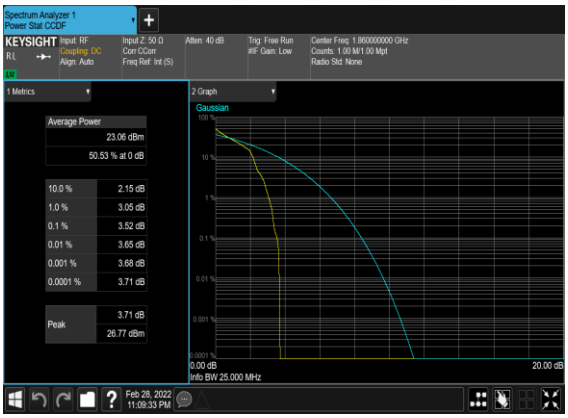
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	0.00633	**PASS**	NV
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	0.00005	**PASS**	LV
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	0.00634	**PASS**	HV
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	0.00038	**PASS**	-30℃
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	0.00436	**PASS**	-20℃
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	0.00488	**PASS**	-10℃
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	0.00444	**PASS**	0℃
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	0.00616	**PASS**	10℃
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	0.00056	**PASS**	20℃
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	0.00389	**PASS**	30℃
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	0.00605	**PASS**	40℃
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	0.00602	**PASS**	50℃

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	4.34	13	**PASS**
25	15	20	388000	1860.0	DFT-s-OFDM PI/2 BPSK	1@0	3.52	13	**PASS**
25	15	20	388000	1860.0	DFT-s-OFDM QPSK	100@0	5.58	13	**PASS**
25	15	20	388000	1860.0	DFT-s-OFDM QPSK	1@0	5.35	13	**PASS**
25	15	20	392500	1882.5	DFT-s-OFDM PI/2 BPSK	100@0	4.35	13	**PASS**
25	15	20	392500	1882.5	DFT-s-OFDM PI/2 BPSK	1@0	3.48	13	**PASS**
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	5.59	13	**PASS**
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	1@0	5.19	13	**PASS**
25	15	20	397000	1905.0	DFT-s-OFDM PI/2 BPSK	100@0	4.36	13	**PASS**
25	15	20	397000	1905.0	DFT-s-OFDM PI/2 BPSK	1@0	3.62	13	**PASS**
25	15	20	397000	1905.0	DFT-s-OFDM QPSK	100@0	5.54	13	**PASS**
25	15	20	397000	1905.0	DFT-s-OFDM QPSK	1@0	5.61	13	**PASS**

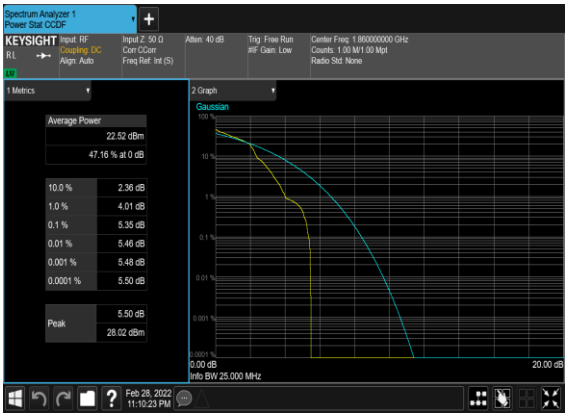
B66_N25(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH

B66_N25(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



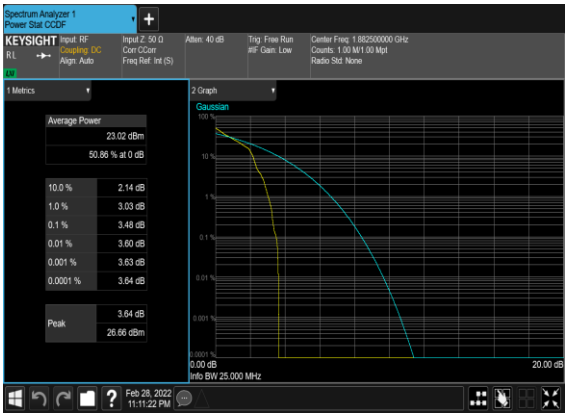
B66_N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

B66_N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



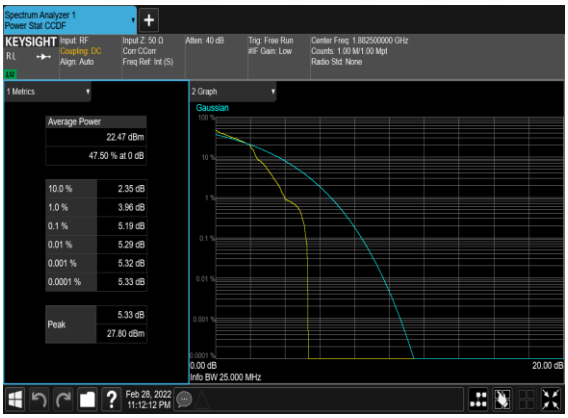
B66_N25(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

B66_N25(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH

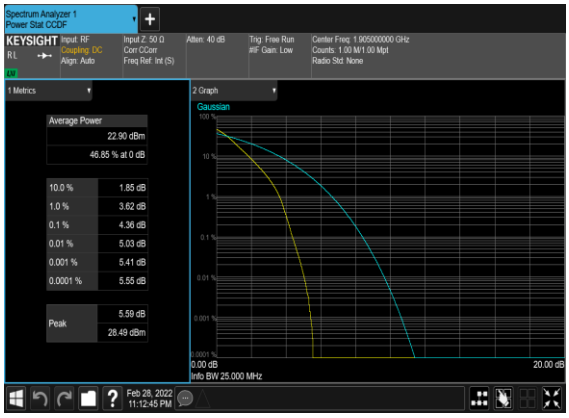


B66_N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

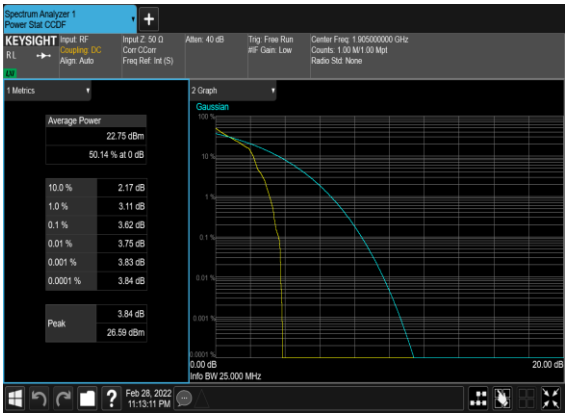
B66_N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B66_N25(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH

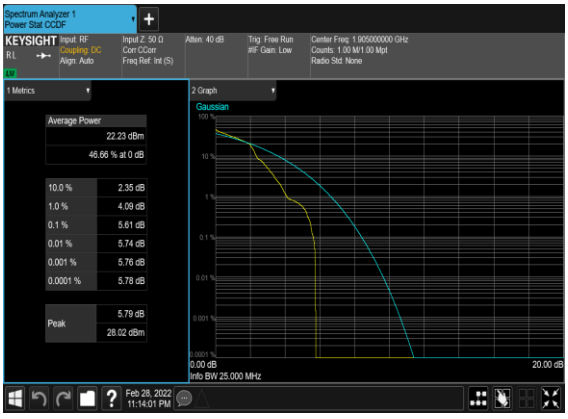


B66_N25(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



B66_N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

B66_N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

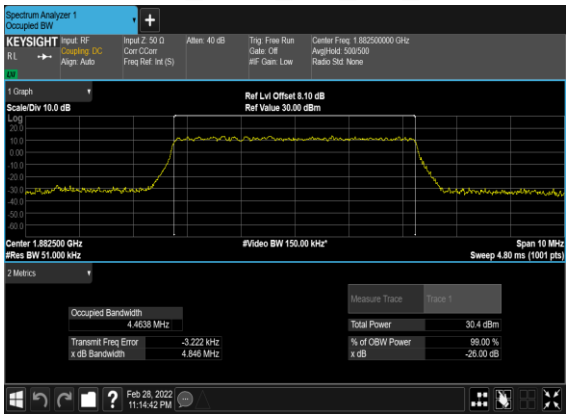


Occupied Bandwidth

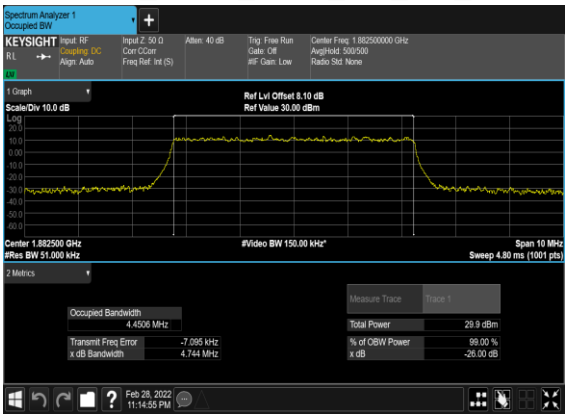
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
25	15	5	392500	1882.5	DFT-s-OFDM PI/2 BPSK	25@0	4.4638	4.846
25	15	5	392500	1882.5	DFT-s-OFDM QPSK	25@0	4.4506	4.744
25	15	5	392500	1882.5	CP-OFDM QPSK	25@0	4.4728	4.854
25	15	5	392500	1882.5	CP-OFDM 16 QAM	25@0	4.4603	4.802
25	15	5	392500	1882.5	CP-OFDM 64 QAM	25@0	4.4641	4.823
25	15	5	392500	1882.5	CP-OFDM 256 QAM	25@0	4.4655	4.83
25	15	10	392500	1882.5	DFT-s-OFDM PI/2 BPSK	50@0	8.9117	9.497
25	15	10	392500	1882.5	DFT-s-OFDM QPSK	50@0	8.9028	9.585
25	15	10	392500	1882.5	CP-OFDM QPSK	52@0	9.272	9.867
25	15	10	392500	1882.5	CP-OFDM 16 QAM	52@0	9.2857	9.838
25	15	10	392500	1882.5	CP-OFDM 64 QAM	52@0	9.2888	9.831
25	15	10	392500	1882.5	CP-OFDM 256 QAM	52@0	9.2864	9.908
25	15	15	392500	1882.5	DFT-s-OFDM PI/2 BPSK	75@0	13.381	14.13
25	15	15	392500	1882.5	DFT-s-OFDM QPSK	75@0	13.363	14.15
25	15	15	392500	1882.5	CP-OFDM QPSK	79@0	14.096	14.83
25	15	15	392500	1882.5	CP-OFDM 16 QAM	79@0	14.086	14.75
25	15	15	392500	1882.5	CP-OFDM 64 QAM	79@0	14.055	14.72
25	15	15	392500	1882.5	CP-OFDM 256 QAM	79@0	14.067	14.77
25	15	20	392500	1882.5	DFT-s-OFDM PI/2 BPSK	100@0	17.854	18.82
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	100@0	17.839	18.81
25	15	20	392500	1882.5	CP-OFDM QPSK	106@0	18.919	19.9
25	15	20	392500	1882.5	CP-OFDM 16 QAM	106@0	18.901	19.94
25	15	20	392500	1882.5	CP-OFDM 64 QAM	106@0	18.916	19.85
25	15	20	392500	1882.5	CP-OFDM 256 QAM	106@0	18.89	19.95

25	15	25	392500	1882.5	DFT-s-OFDM PI/2 BPSK	128@0	22.814	23.91
25	15	25	392500	1882.5	DFT-s-OFDM QPSK	128@0	22.839	23.9
25	15	25	392500	1882.5	CP-OFDM QPSK	133@0	23.709	24.96
25	15	25	392500	1882.5	CP-OFDM 16 QAM	133@0	23.654	24.77
25	15	25	392500	1882.5	CP-OFDM 64 QAM	133@0	23.742	24.92
25	15	25	392500	1882.5	CP-OFDM 256 QAM	133@0	23.707	24.72
25	15	30	392500	1882.5	DFT-s-OFDM PI/2 BPSK	160@0	28.553	29.64
25	15	30	392500	1882.5	DFT-s-OFDM QPSK	160@0	28.549	29.64
25	15	30	392500	1882.5	CP-OFDM QPSK	160@0	28.534	29.72
25	15	30	392500	1882.5	CP-OFDM 16 QAM	160@0	28.605	29.77
25	15	30	392500	1882.5	CP-OFDM 64 QAM	160@0	28.53	29.72
25	15	30	392500	1882.5	CP-OFDM 256 QAM	160@0	28.53	29.72
25	15	40	392500	1882.5	DFT-s-OFDM PI/2 BPSK	216@0	38.54	39.93
25	15	40	392500	1882.5	DFT-s-OFDM QPSK	216@0	38.56	40.2
25	15	40	392500	1882.5	CP-OFDM QPSK	216@0	38.548	40.04
25	15	40	392500	1882.5	CP-OFDM 16 QAM	216@0	38.542	40.1
25	15	40	392500	1882.5	CP-OFDM 64 QAM	216@0	38.535	40.1
25	15	40	392500	1882.5	CP-OFDM 256 QAM	216@0	38.492	39.91

B66_N25(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



B66_N25(5M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



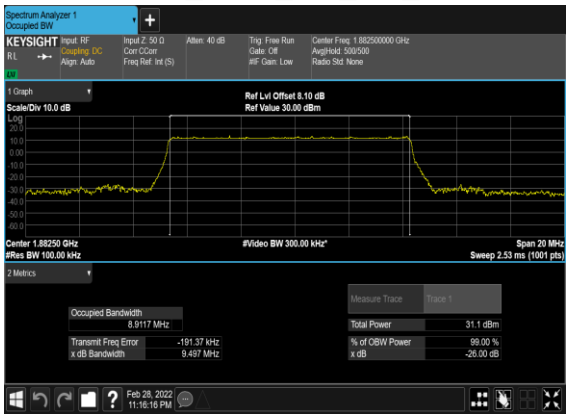
B66_N25(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

B66_N25(5M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

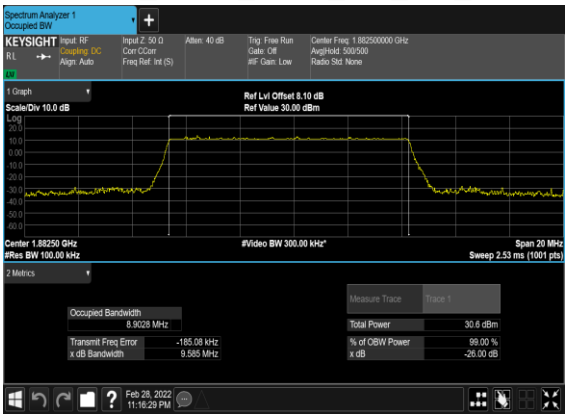
B66_N25(5M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

B66_N25(5M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

B66_N25(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

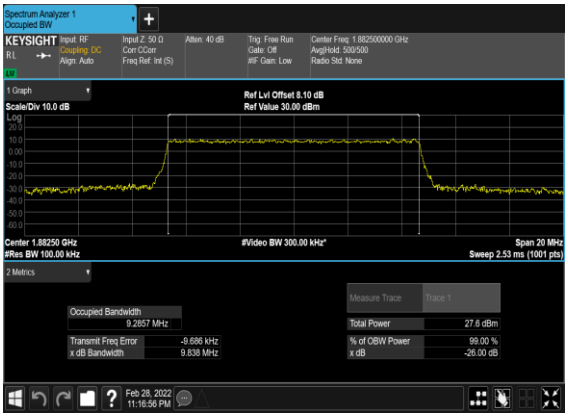


B66_N25(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

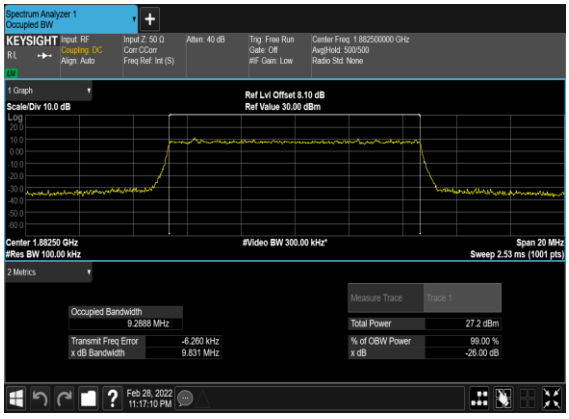


B66_N25(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

B66_N25(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

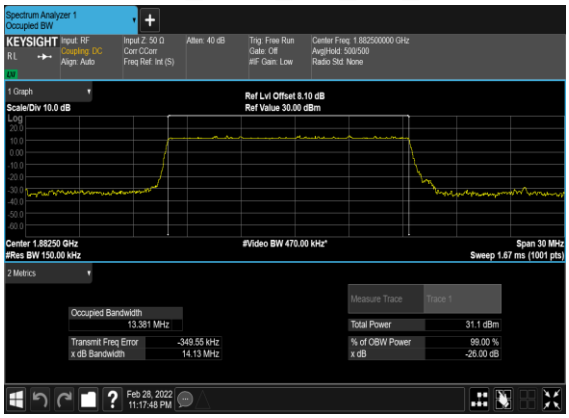


B66_N25(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

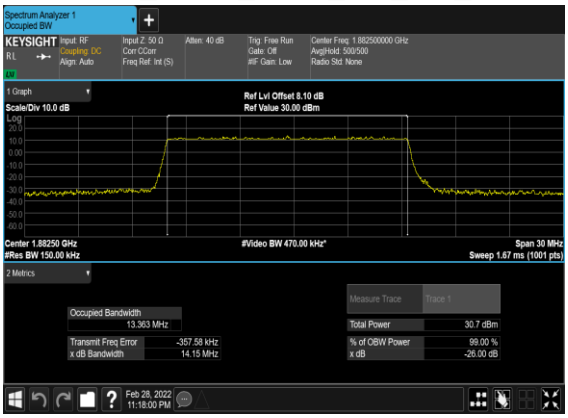


B66_N25(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

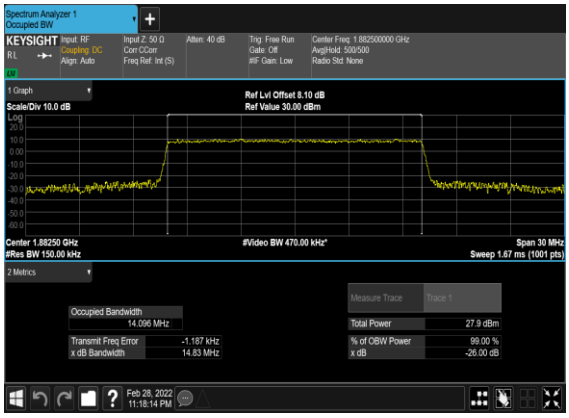
B66_N25(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



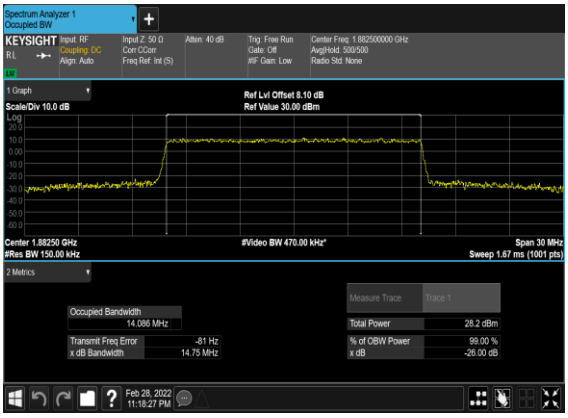
B66_N25(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



B66_N25(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



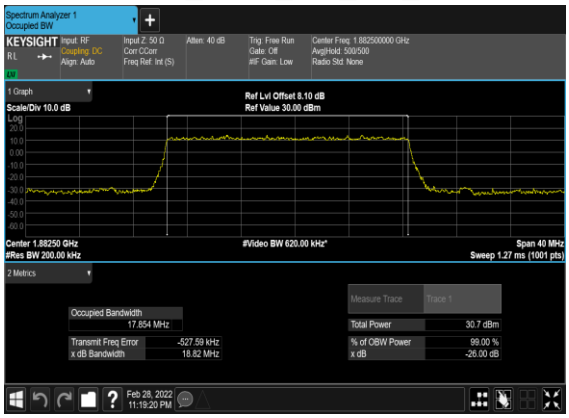
B66_N25(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



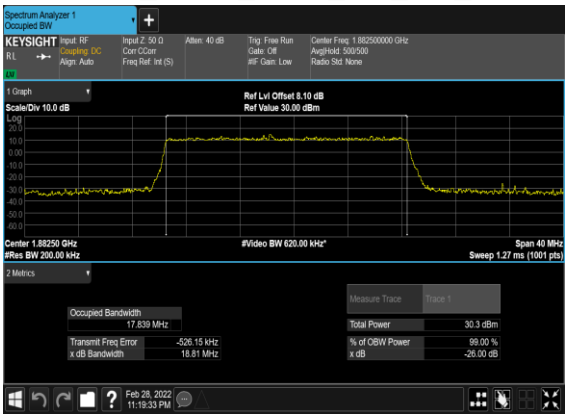
B66_N25(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

B66_N25(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

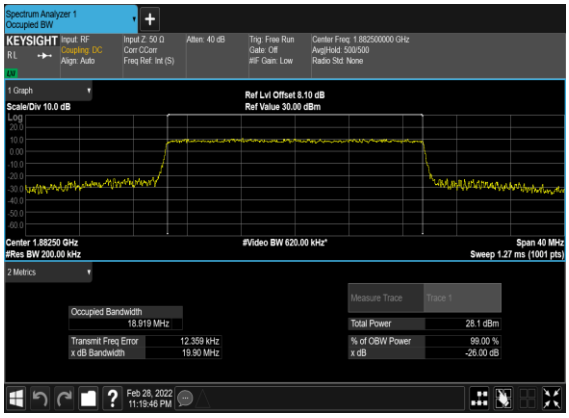
B66_N25(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



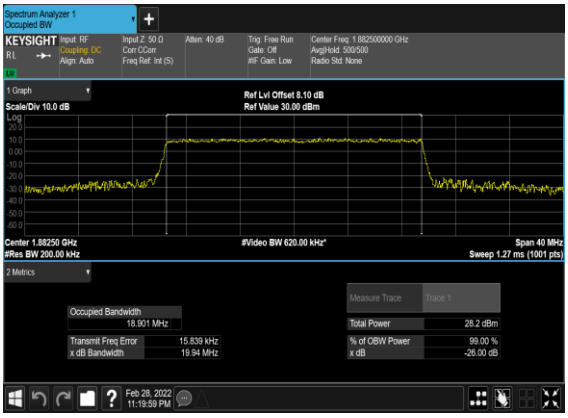
B66_N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



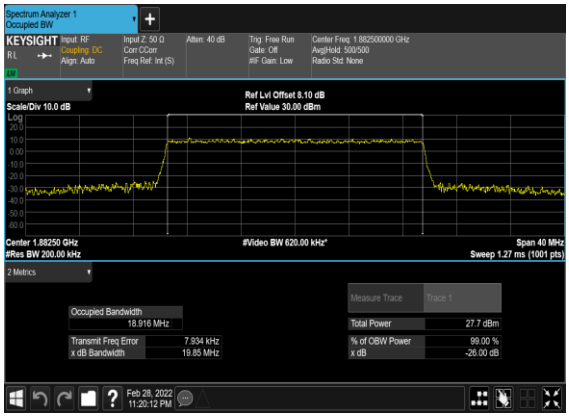
B66_N25(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



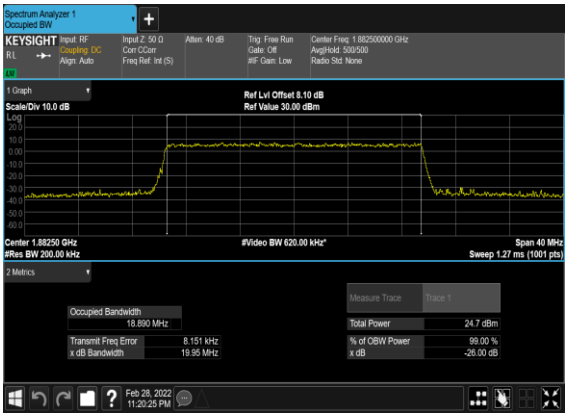
B66_N25(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



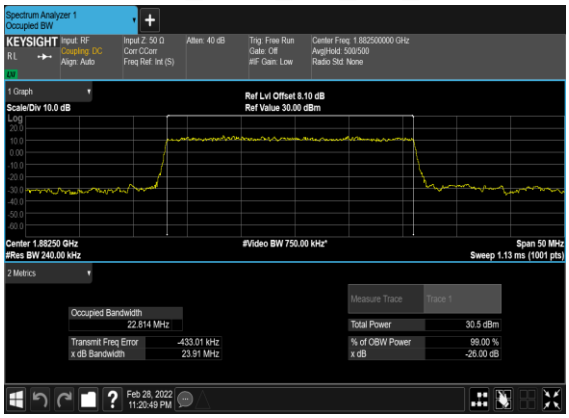
B66_N25(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



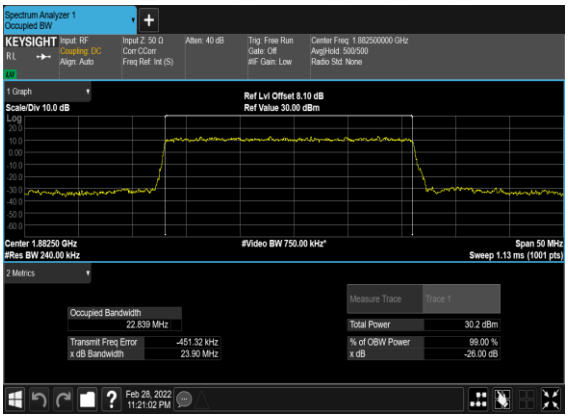
B66_N25(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



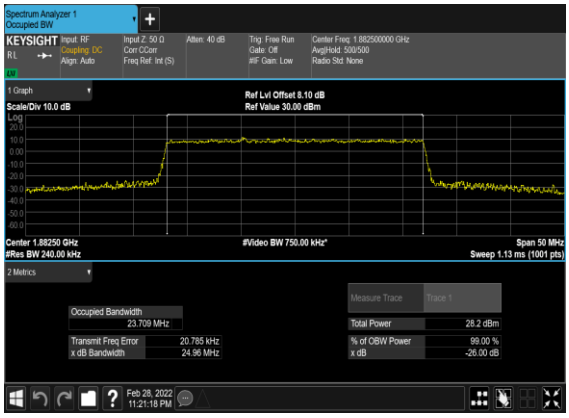
B66_N25(25M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



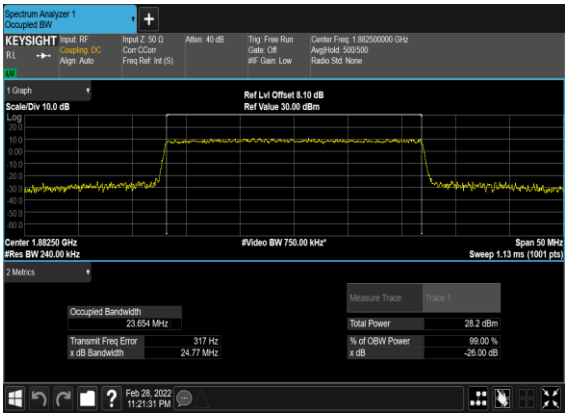
B66_N25(25M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



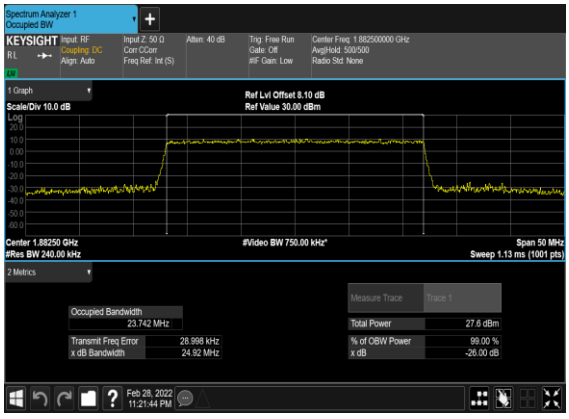
B66_N25(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



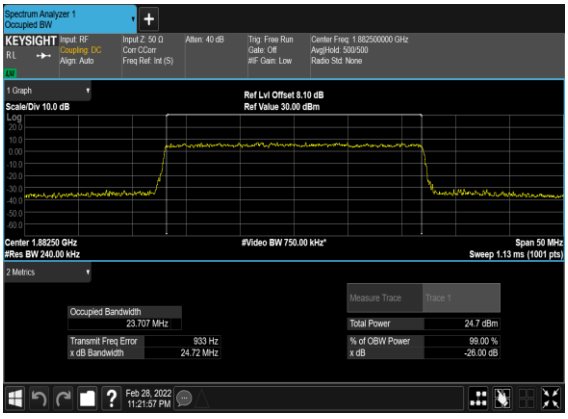
B66_N25(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



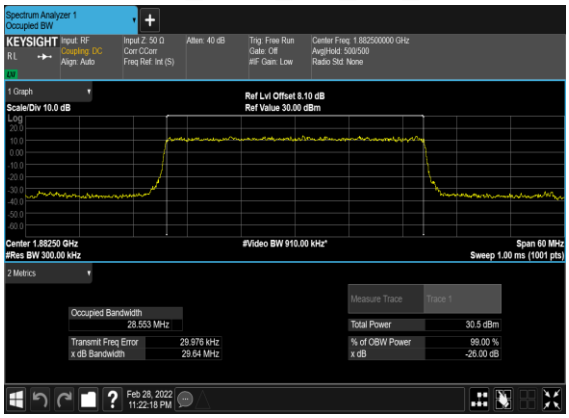
B66_N25(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



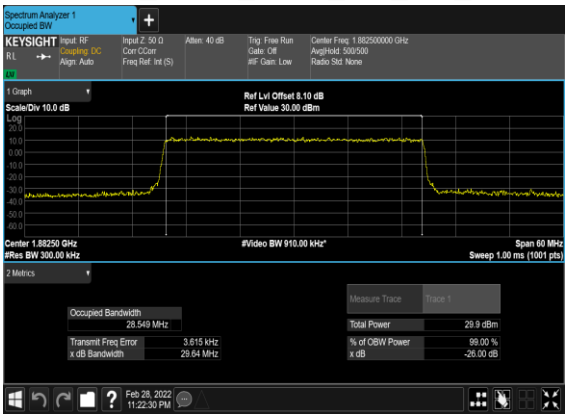
B66_N25(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



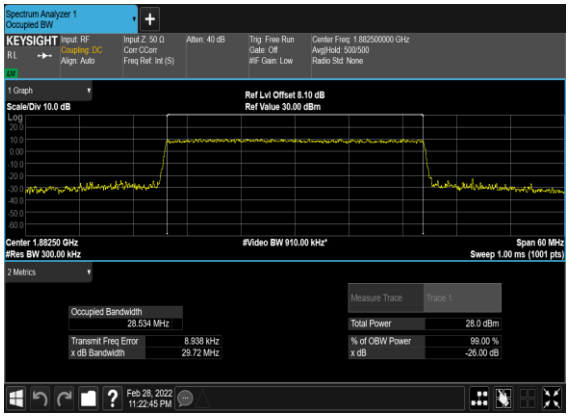
B66_N25(30M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



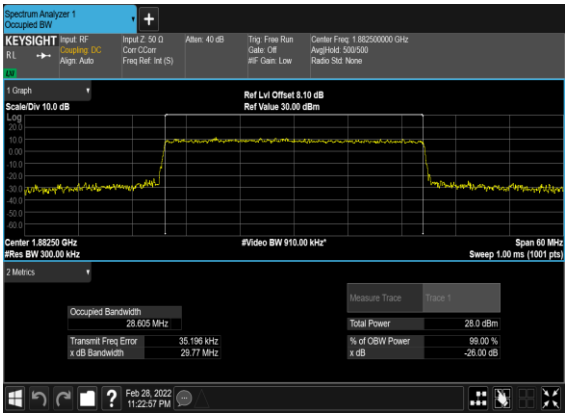
B66_N25(30M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



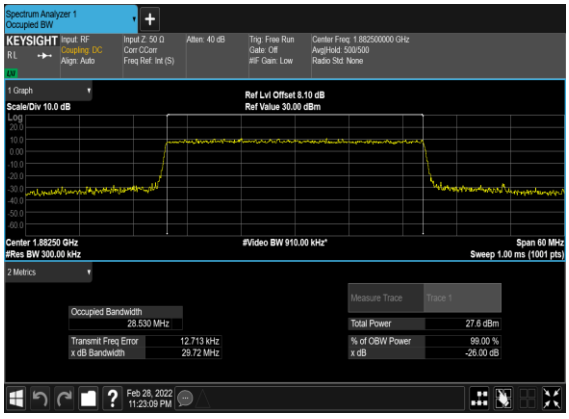
B66_N25(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



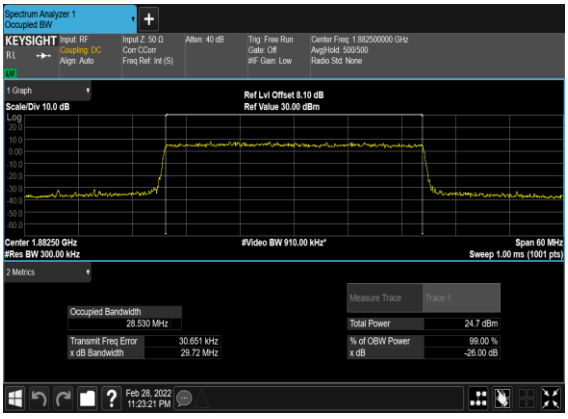
B66_N25(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



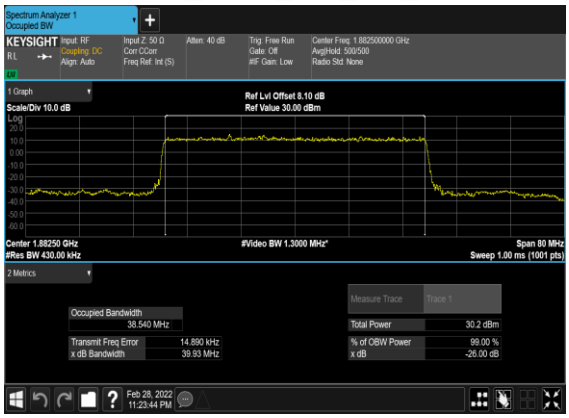
B66_N25(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



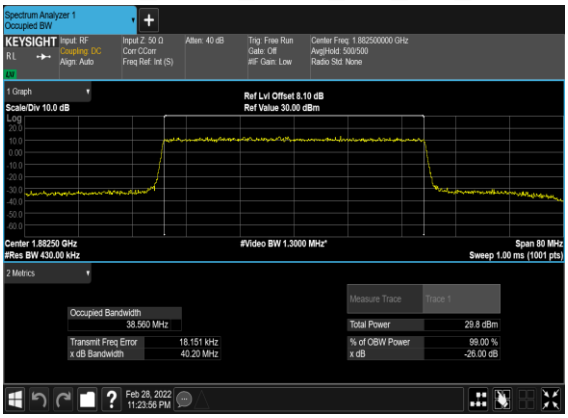
B66_N25(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



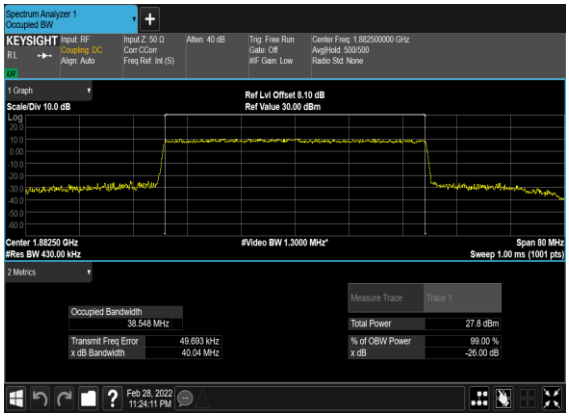
B66_N25(40M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



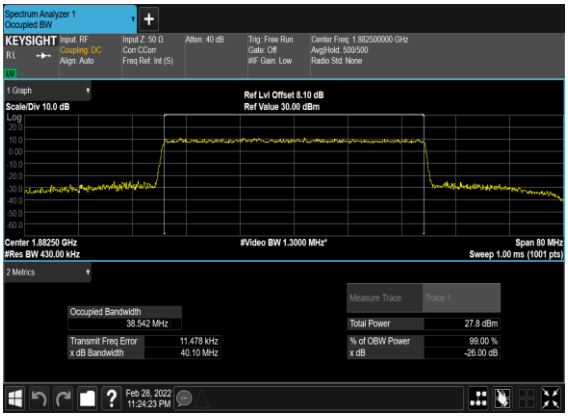
B66_N25(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



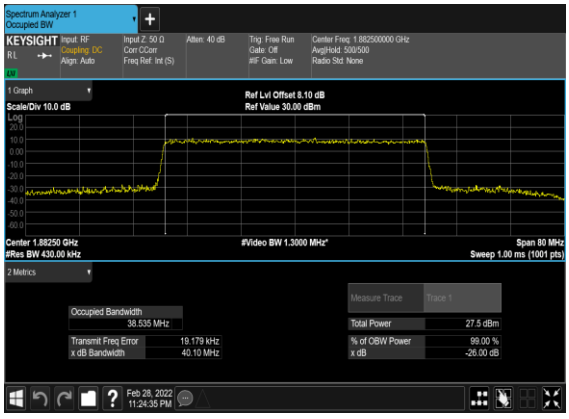
B66_N25(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



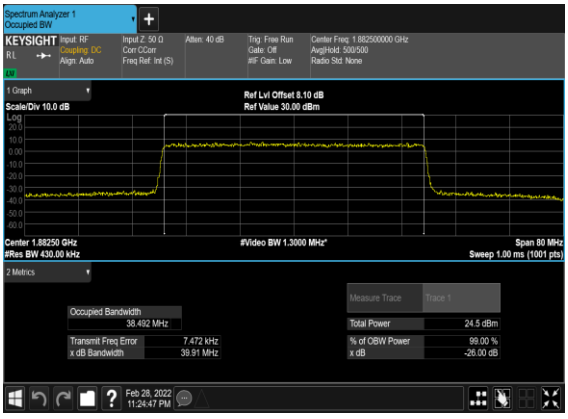
B66_N25(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



B66_N25(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



B66_N25(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

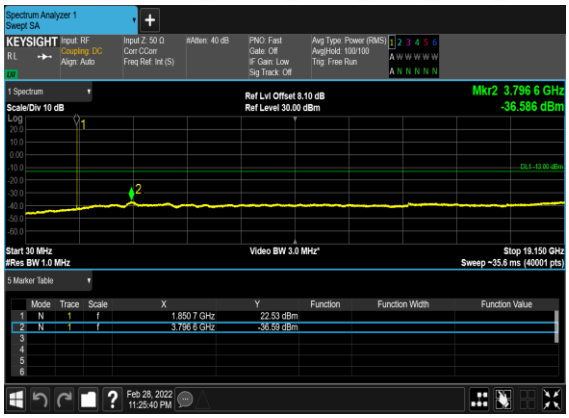


Conducted Spurious Emissions

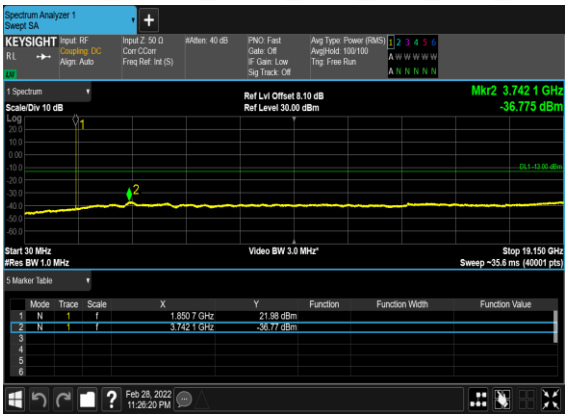
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
25	15	5	386500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
25	15	5	386500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	5	386500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
25	15	5	386500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	5	392500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
25	15	5	392500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	5	392500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
25	15	5	392500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	5	398500	1912.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
25	15	5	398500	1912.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	5	398500	1912.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
25	15	5	398500	1912.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	20	388000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
25	15	20	388000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	20	388000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
25	15	20	388000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	20	392500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
25	15	20	392500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
25	15	20	392500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	20	397000	1905.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
25	15	20	397000	1905.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**

25	15	20	397000	1905.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
25	15	20	397000	1905.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	40	390000	1870.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
25	15	40	390000	1870.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	40	390000	1870.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
25	15	40	390000	1870.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	40	392500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
25	15	40	392500	1882.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	40	392500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
25	15	40	392500	1882.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	40	395000	1895.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
25	15	40	395000	1895.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	40	395000	1895.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
25	15	40	395000	1895.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

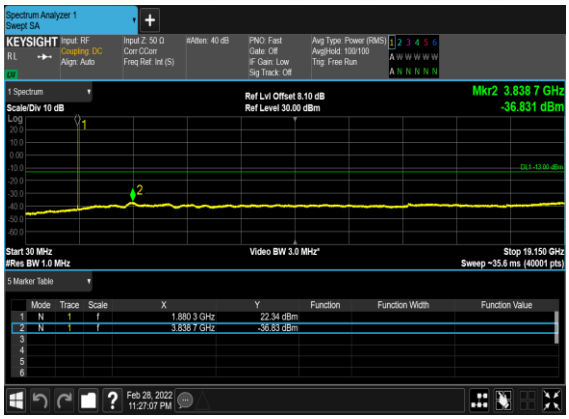
B66_N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



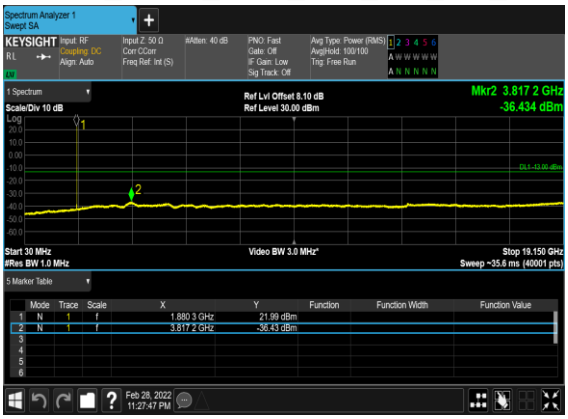
B66_N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



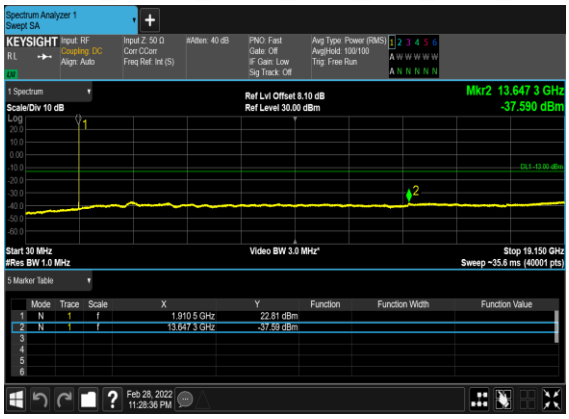
B66_N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



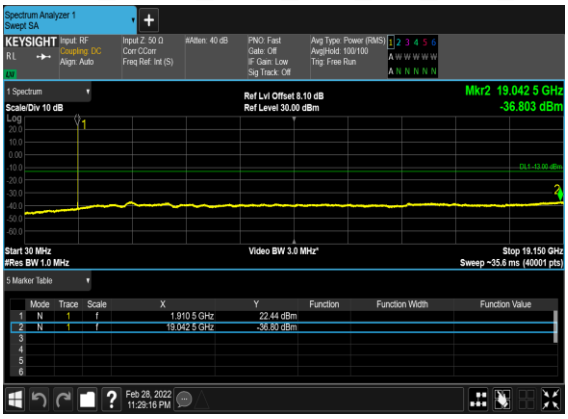
B66_N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



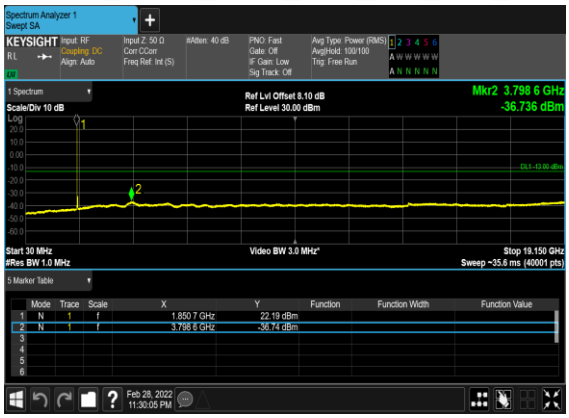
B66_N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



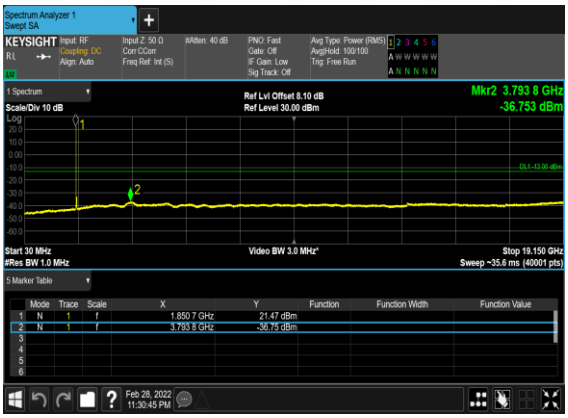
B66_N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



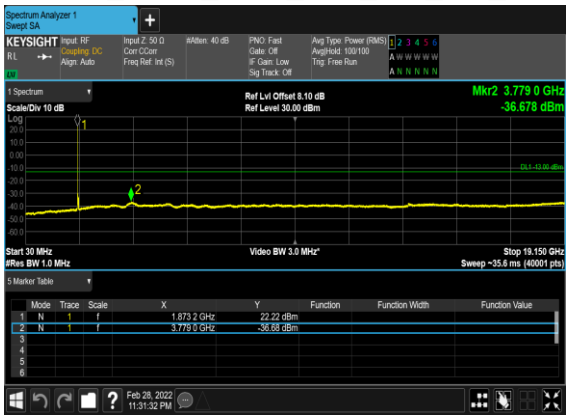
B66_N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



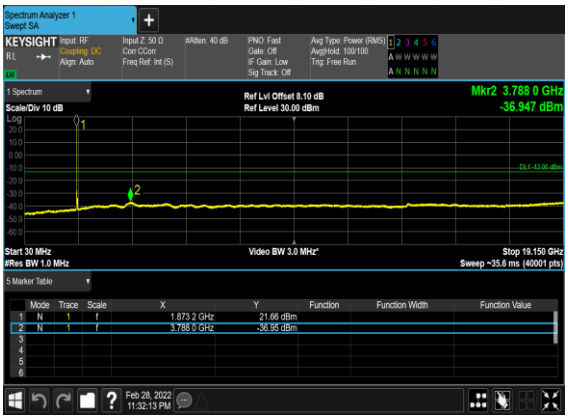
B66_N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



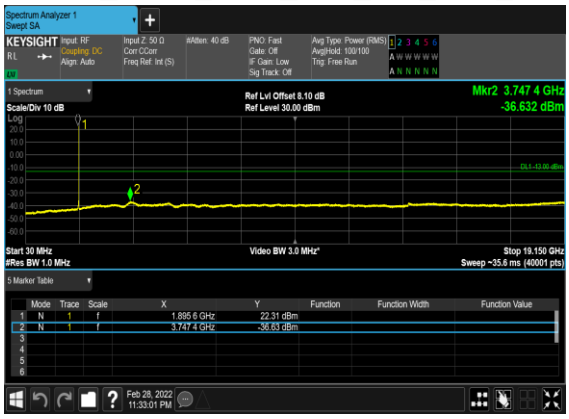
B66_N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



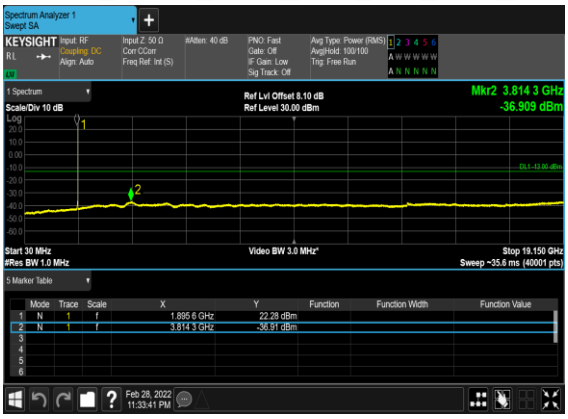
B66_N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



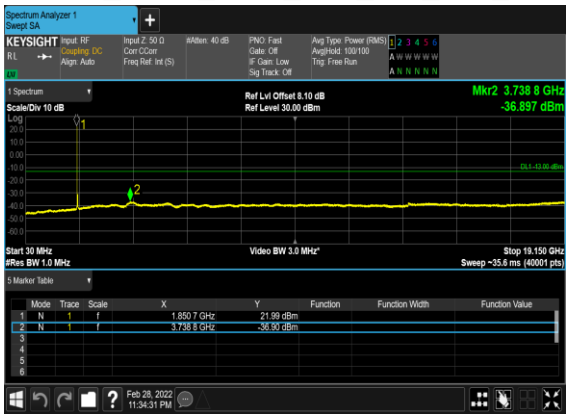
B66_N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



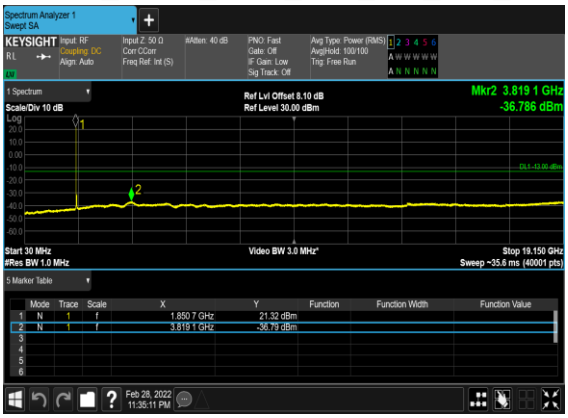
B66_N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



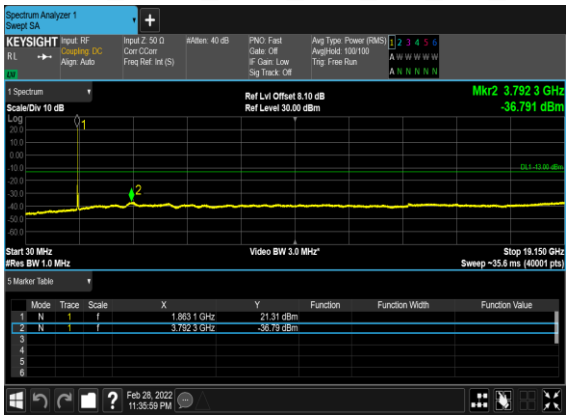
B66_N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



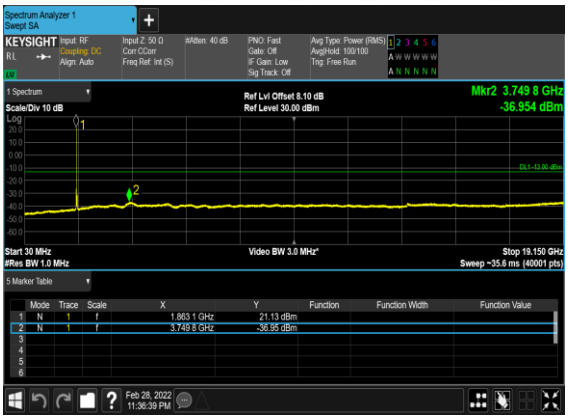
B66_N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



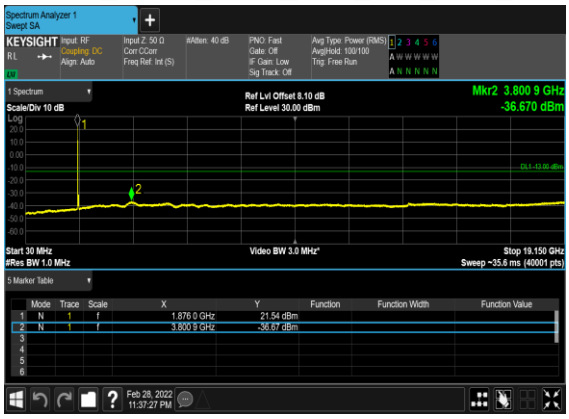
B66_N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



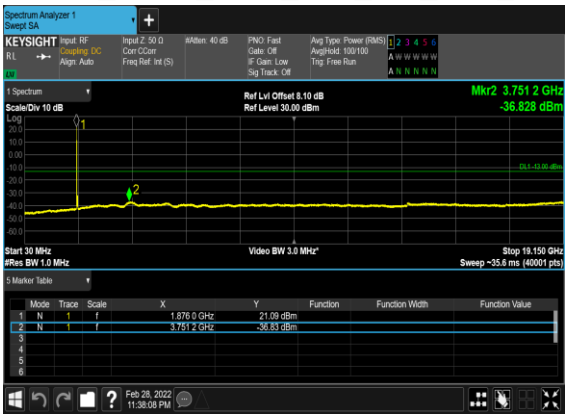
B66_N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B66_N25(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



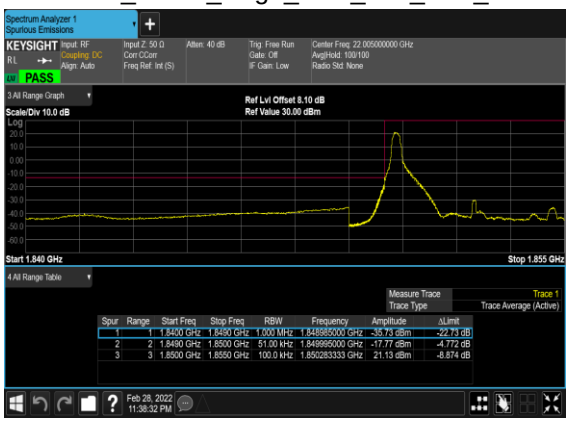
B66_N25(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



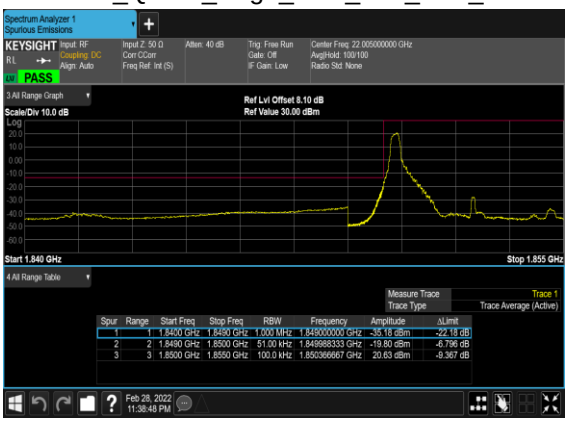
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
25	15	5	386500	1852.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	5	386500	1852.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	5	386500	1852.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
25	15	5	386500	1852.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
25	15	5	398500	1912.5	DFT-s-OFDM BPSK	1@24	see graph	**PASS**
25	15	5	398500	1912.5	DFT-s-OFDM QPSK	1@24	see graph	**PASS**
25	15	5	398500	1912.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
25	15	5	398500	1912.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
25	15	20	388000	1860.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	20	388000	1860.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	20	388000	1860.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
25	15	20	388000	1860.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
25	15	20	397000	1905.0	DFT-s-OFDM BPSK	1@105	see graph	**PASS**
25	15	20	397000	1905.0	DFT-s-OFDM QPSK	1@105	see graph	**PASS**
25	15	20	397000	1905.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
25	15	20	397000	1905.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
25	15	40	390000	1870.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
25	15	40	390000	1870.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
25	15	40	390000	1870.0	DFT-s-OFDM BPSK	216@0	see graph	**PASS**
25	15	40	390000	1870.0	DFT-s-OFDM QPSK	216@0	see graph	**PASS**
25	15	40	395000	1895.0	DFT-s-OFDM BPSK	1@215	see graph	**PASS**
25	15	40	395000	1895.0	DFT-s-OFDM QPSK	1@215	see graph	**PASS**
25	15	40	395000	1895.0	DFT-s-OFDM BPSK	216@0	see graph	**PASS**
25	15	40	395000	1895.0	DFT-s-OFDM QPSK	216@0	see graph	**PASS**

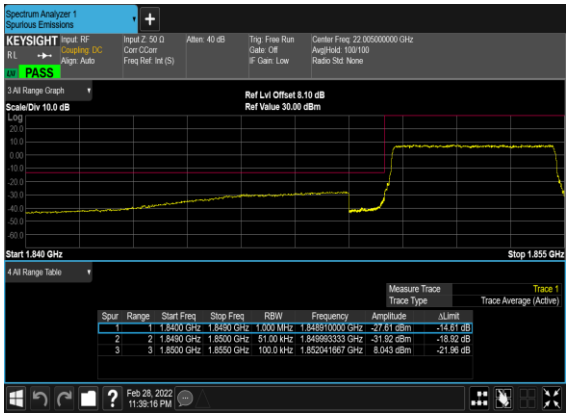
B66_N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



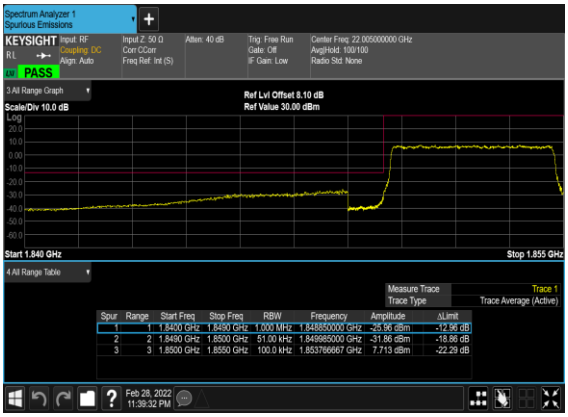
B66_N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



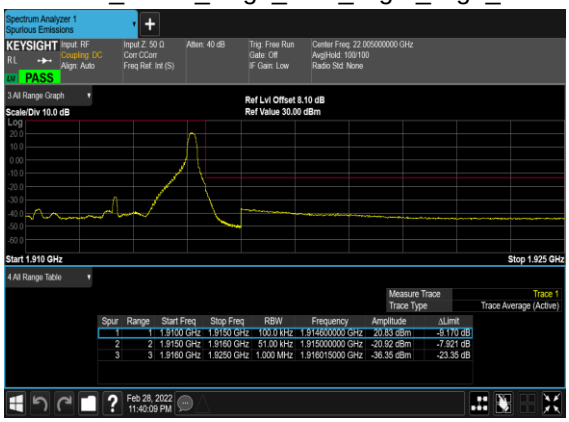
B66_N25(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



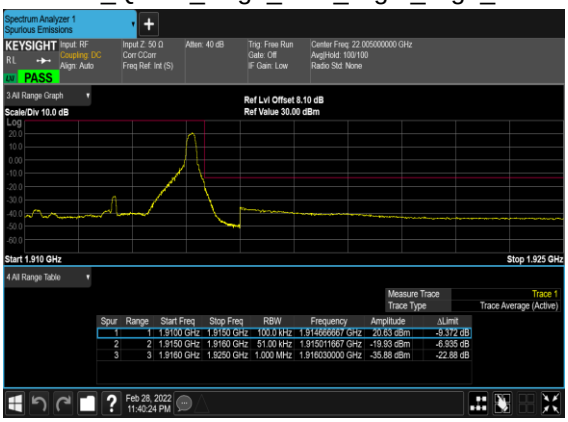
B66_N25(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



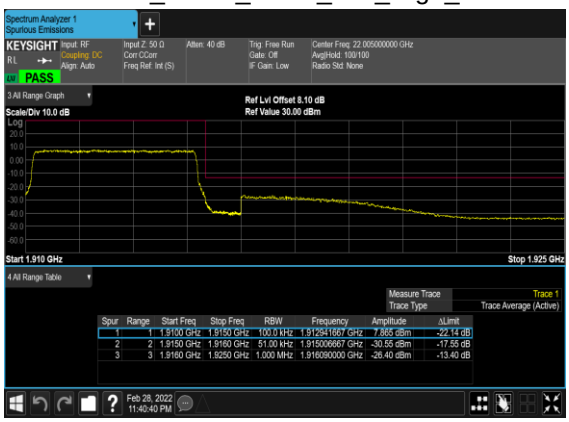
B66_N25(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



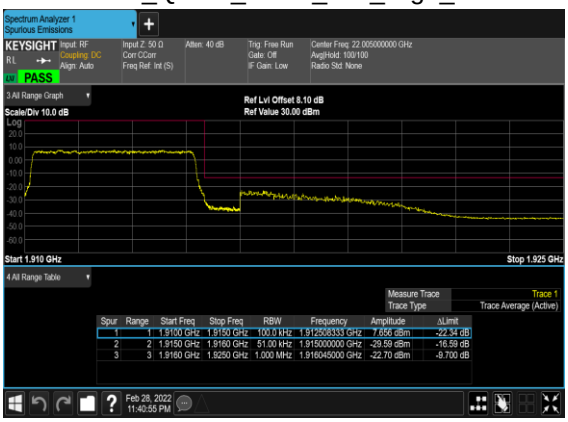
B66_N25(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



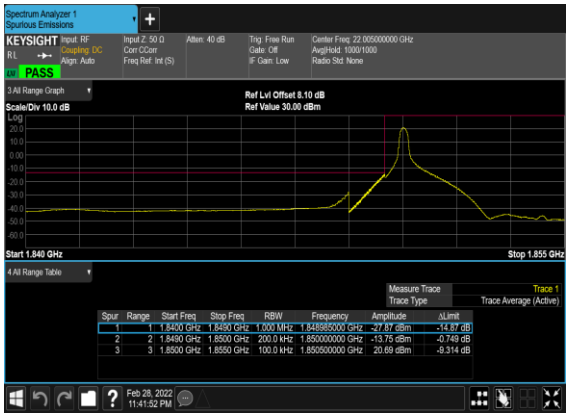
B66_N25(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



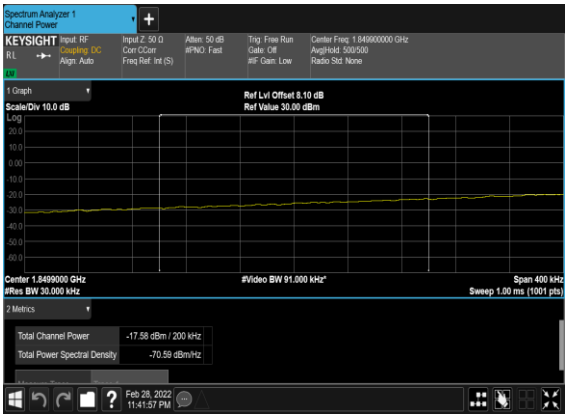
B66_N25(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



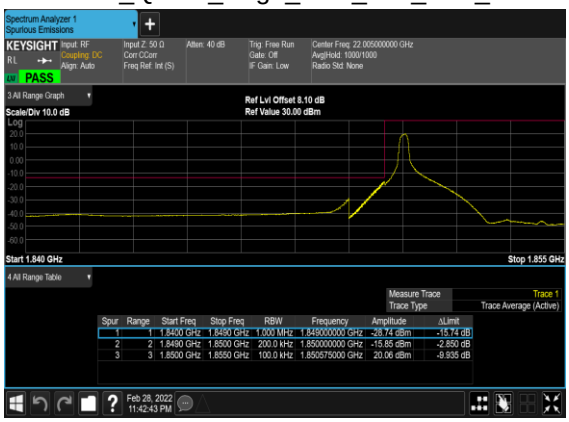
B66_N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



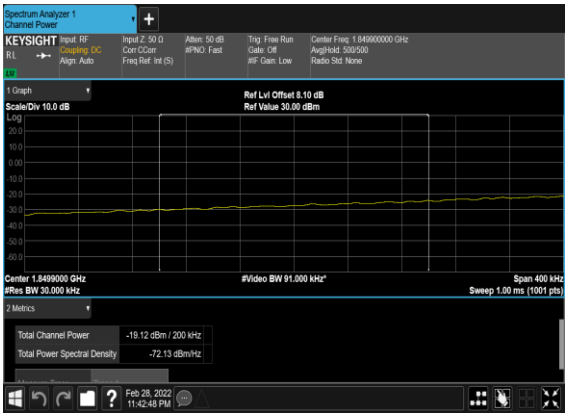
B66_N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



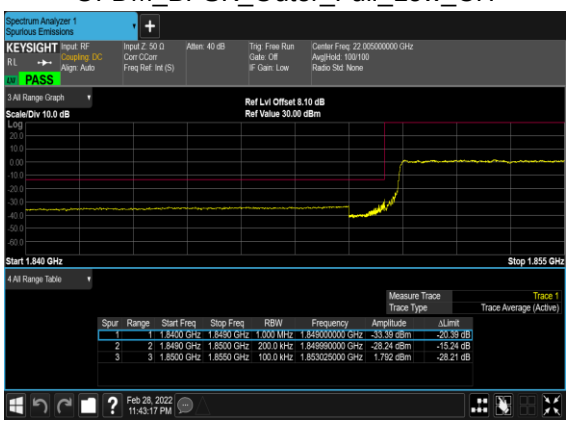
B66_N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



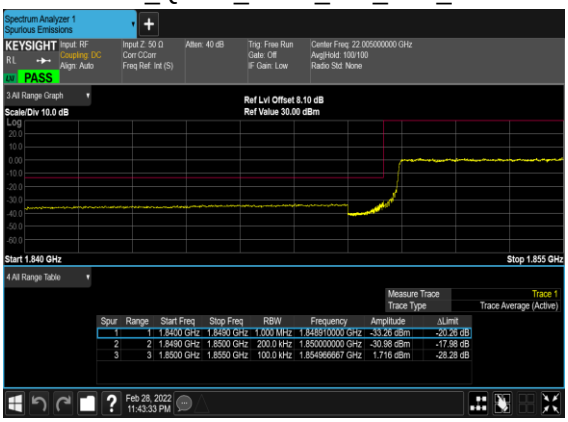
B66_N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



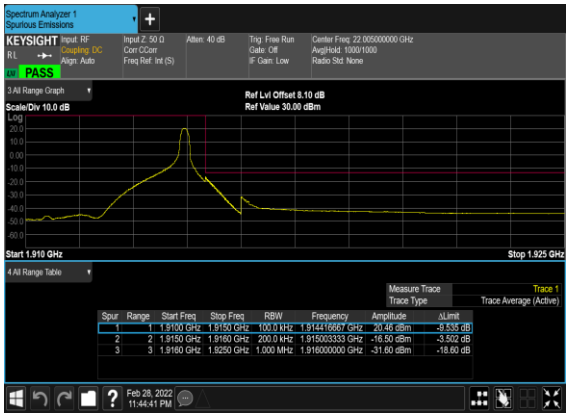
B66_N25(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



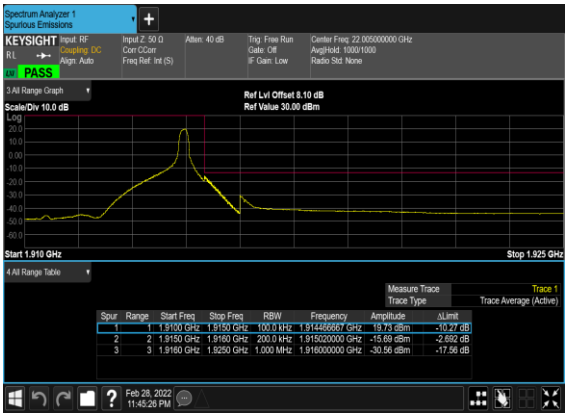
B66_N25(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



B66_N25(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



B66_N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



B66_N25(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_**CHP_PASS**

B66_N25(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH