



FCC RF Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2213-1,XT2213DL,XT2213-2,XT2213-3
FCC ID : IHDT56AA3
STANDARD : 47 CFR Part 2, 27
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Jan. 08, 2022 ~ Feb. 08, 2022

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

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

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

Reviewed by: Jason Jia / Supervisor

Approved by: Alex Wang / Manager



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People's Republic of China**



TABLE OF CONTENTS

REVISION HISTORY...3
SUMMARY OF TEST RESULT...4
1 GENERAL DESCRIPTION...5
1.1 Applicant...5
1.2 Manufacturer...5
1.3 Product Feature of Equipment Under Test...5
1.4 Product Specification of Equipment Under Test...5
1.5 Modification of EUT...6
1.6 Maximum ERP/EIRP Power and Emission Designator...6
1.7 Testing Location...8
1.8 Test Software...8
1.9 Applicable Standards...9
1.10 Specification of Accessory...9
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST...10
2.1 Test Mode...10
2.2 Connection Diagram of Test System...12
2.3 Support Unit used in test configuration and system...12
2.4 Measurement Results Explanation Example...12
2.5 Frequency List of Low/Middle/High Channels...13
3 CONDUCTED TEST ITEMS...16
3.1 Measuring Instruments...16
3.2 Test Setup...16
3.3 Test Result of Conducted Test...16
3.4 Conducted Output Power and ERP/EIRP...17
3.5 Peak-to-Average Ratio...18
3.6 Occupied Bandwidth...19
3.7 Conducted Band Edge...20
3.8 Conducted Spurious Emission...22
3.9 Frequency Stability...23
4 RADIATED TEST ITEMS...24
4.1 Measuring Instruments...24
4.2 Test Setup...24
4.3 Test Result of Radiated Test...25
4.4 Radiated Spurious Emission...26
5 LIST OF MEASURING EQUIPMENT...27
6 UNCERTAINTY OF EVALUATION...28
APPENDIX A. TEST RESULTS OF CONDUCTED TEST
APPENDIX B. TEST RESULTS OF RADIATED TEST
APPENDIX C. TEST SETUP PHOTOGRAPHS



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		
	§27.50(h)(2)	Equivalent Isotropic Radiated Power (5G NR n41)	EIRP < 2Watt		
	§27.50(j)(3)	Equivalent Isotropic Radiated Power (5G NR n77, n78)	EIRP < 1Watt		
3.5	§27.50(j)(4)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	Reporting Only	PASS	-
3.7	§2.1051 §27.53(g) §27.53(l)(2)	Conducted Band Edge Measurement (5G NR n71) (5G NR n77, n78)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (5G NR n41)	§27.53(m)(4)		
3.8	§2.1051 §27.53(g) §27.53(l)(2)	Conducted Spurious Emission (5G NR n71) (5G NR n77, n78)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (5G NR n41)	< 55+10log ₁₀ (P[Watts])		
3.9	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §27.53(g) §27.53(l)(2)	Radiated Spurious Emission (5G NR n71) (5G NR n77, n78)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 16.90 dB at 7404.000 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

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

1.2 Manufacturer

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

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2213-1,XT2213DL,XT2213-2,XT2213-3
FCC ID	IHDT56AA3
IMEI Code	Conducted : 353739480009600 Radiation : 353739480012232
HW Version	DVT2
SW Version	S1SA32.27
EUT Stage	Identical Prototype

Remark: The four models XT2213-1, XT2213DL, XT2213-2 and XT2213-3 are only for market differentiation, all the others are the same.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n71 : 663 MHz ~ 698 MHz 5G NR n77 : 3700 MHz ~ 3980 MHz 5G NR n78 : 3700 MHz ~ 3800 MHz
Rx Frequency	5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n71 : 617 MHz ~ 652 MHz 5G NR n77 : 3700 MHz ~ 3980 MHz 5G NR n78 : 3700 MHz ~ 3800 MHz
SCS	n71: 15kHz n41, n77, n78: 30kHz
Bandwidth	n71: 5MHz / 10MHz / 15MHz / 20MHz n41 : 10MHz / 15MHz / 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 100MHz n77 : 10MHz / 15MHz / 20MHz / 40MHz / 50MHz / 60MHz / 80MHz / 90MHz / 100MHz n78 : 10MHz / 15MHz / 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz



Antenna Gain	n41 : -2.1 dBi n71 : -3.2 dBi n77 : -2.4 dBi n78 : -4.0 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. 5G NR Bands support SA and NSA mode. The whole testing has assessed SA mode for n41/n71/n77/n78 by referring to the higher conducted power for conducted test items.
2. For NSA mode of all EN-DC combination, we only show the combination of the maximum power among all NSA combinations in the report.
3. The EN-DC mode combination could be referred to the product spec.
4. The device supports HPUE mode for 5G NR n41/n77/n78.

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 n41 SA HPUE		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)
10	2501.01 ~ 2685.00	0.2254	8M59G7D	0.1837	8M59W7D
15	2503.50 ~ 2682.48	0.2296	13M6G7D	0.1845	13M6W7D
20	2506.02 ~ 2679.99	0.2317	18M2G7D	0.1832	18M2W7D
30	2511.00 ~ 2674.98	0.2249	27M8G7D	0.1803	27M9W7D
40	2516.01 ~ 2670.00	0.2275	37M8G7D	0.1807	37M9W7D
50	2521.02 ~ 2664.99	0.2286	47M4G7D	0.1828	47M5W7D
60	2526.00 ~ 2659.98	0.2286	57M8G7D	0.1820	57M8W7D
70	2531.01 ~ 2655.00	0.2296	67M4G7D	0.1837	67M6W7D
80	2536.02 ~ 2649.99	0.2301	77M4G7D	0.1849	77M4W7D
100	2546.01 ~ 2640.00	0.2188	97M2G7D	0.1754	97M2W7D



5G NR n71 SA		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	0.0566	4M48G7D	0.0458	4M47W7D
10	668.0 ~ 693.0	0.0548	9M28G7D	0.0438	9M28W7D
15	670.5 ~ 690.5	0.0568	14M1G7D	0.0450	14M1W7D
20	673.0 ~ 688.0	0.0581	18M9G7D	0.0451	18M9W7D

5G NR n77 SA HPUE		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)
10	3705.00~ 3975.00	0.2323	8M56G7D	0.1832	8M59W7D
15	3707.52 ~ 3972.48	0.2228	13M5G7D	0.1766	13M6W7D
20	3710.01 ~ 3969.99	0.2254	18M2G7D	0.1799	18M2W7D
40	3720.00 ~ 3960.00	0.2244	37M8G7D	0.1774	37M9W7D
50	3725.01 ~ 3954.99	0.2265	47M4G7D	0.1795	47M6W7D
60	3730.02 ~ 3949.98	0.2259	57M9G7D	0.1782	57M8W7D
80	3740.01 ~ 3939.99	0.2286	77M4G7D	0.1786	77M5W7D
90	3745.02 ~ 3934.98	0.2249	87M4G7D	0.1782	87M4W7D
100	3750.00 ~ 3930.00	0.2234	97M3G7D	0.1778	97M5W7D

5G NR n78 SA HPUE		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)
10	3705.00 ~ 3795.00	0.1545	8M56G7D	0.1256	8M59W7D
15	3707.52 ~ 3792.48	0.1531	13M5G7D	0.1294	13M6W7D
20	3710.01 ~ 3789.99	0.1535	18M2G7D	0.1271	18M2W7D
30	3715.02 ~ 3784.98	0.1528	27M8G7D	0.1213	27M8W7D
40	3720.00 ~ 3780.00	0.1531	37M8G7D	0.1213	37M9W7D
50	3725.01 ~ 3774.99	0.1556	47M4G7D	0.1227	47M6W7D
60	3730.02 ~ 3769.98	0.1524	57M9G7D	0.1219	57M8W7D
70	3735.00 ~ 3765.00	0.1578	67M5G7D	0.1230	67M5W7D
80	3740.01 ~ 3759.99	0.1552	77M4G7D	0.1225	77M5W7D
90	3745.02 ~ 3754.98	0.1521	87M4G7D	0.1211	87M4W7D
100	3750.00	0.1524	97M3G7D	0.1194	97M5W7D



Note:

- 5G NR Band n77 overlaps the entire frequency range of Band n78. Therefore, the test results of conducted test items provided in this report covers Band n77 as well as Band n78, and add EIRP/Occupied Bandwidth test of bandwidth 30/70 MHz for Band n78.
- All modulations have been evaluation, only the worst test results of PSK & QAM are shown in the report.

1.7 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH04-KS	CN1257	314309

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 data subcontracted: conducted test case in section 3 of this report.

1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH04-KS	AUDIX	E3	6.2009-8-24a



1.9 Applicable Standards

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

- 47 CFR Part 2, 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.

1.10 Specification of Accessory

Specification of Accessory				
AC Adapter 1	Brand Name	Motorola(Salcomp)	Model Name	MC-101
AC Adapter 2	Brand Name	Motorola(AOHAI)	Model Name	MC-101
AC Adapter 3	Brand Name	Motorola(Chenyang)	Model Name	MC-101
Battery 1	Brand Name	Motorola(SCUD)	Model Name	JK50
Battery 2	Brand Name	Motorola(ATL)	Model Name	JK50
USB Cable 1	Brand Name	Motorola(Saibao)	Model Name	SC18D22297
USB Cable 2	Brand Name	Motorola(Cabletech)	Model Name	SC18D22298
USB Cable 3	Brand Name	Motorola(Luxshare)	Model Name	SC18D22299




2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

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

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

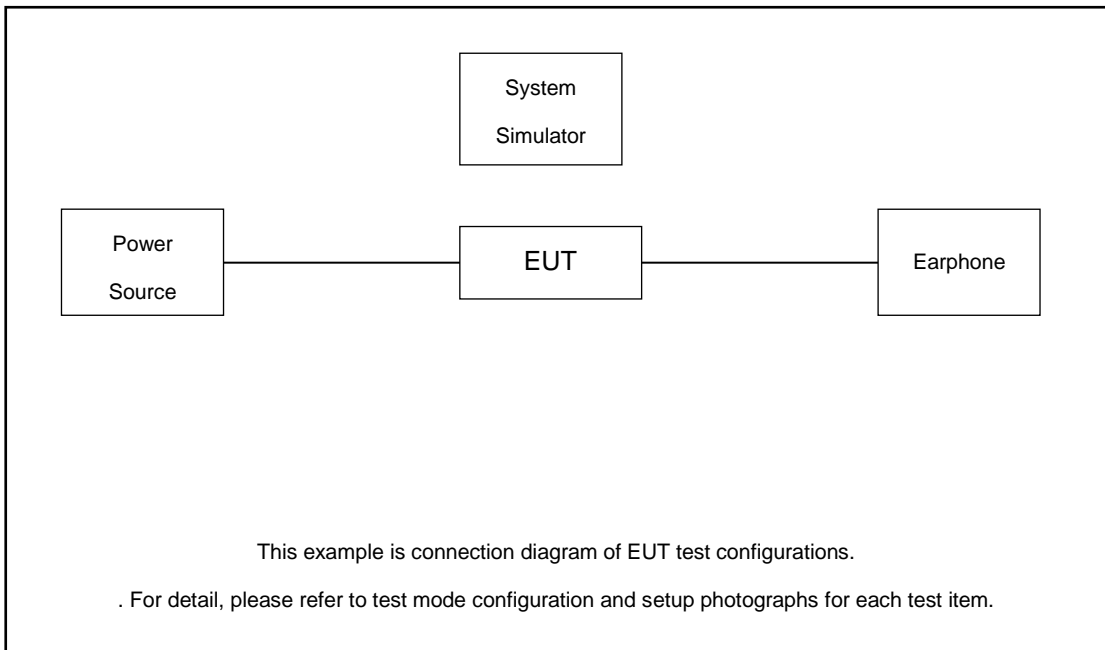
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			

Test Items	5G NR	Bandwidth (MHz)							Modulation					RB #		Test Channel		
		5	10	15	20	30-40	50-90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Full	L	M	H
Max. Output Power	n41	-	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
	n77	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	n78	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	n41	-			v				v	v				v	v	v	v	v
	n71				v	-	-	-	v	v				v	v	v	v	v
	n77	-			v				v	v				v	v	v	v	v
26dB and 99% Bandwidth	n41	-	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	
	n77	-	v	v	v	v	v	v	v	v	v	v	v		v		v	
	n78	-				v	v		v	v	v	v	v		v		v	
Conducted Band Edge	n41	-	v				v	v	v	v				v	v	v		v
	n71	v	v		v	-	-	-	v	v				v	v	v		v
	n77	-	v				v	v	v	v				v	v	v		v
	n78	-				v	v		v	v				v	v	v		v



Test Items	Band	Bandwidth (MHz)							Modulation					RB #		Test Channel		
		5	10	15	20	30-40	50-90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Full	L	M	H
Conducted Spurious Emission	n41	-	v				v	v	v	v				v		v	v	v
	n71	v	v		v	-	-	-	v	v				v		v	v	v
	n77	-	v				v	v	v	v				v		v	v	v
	n78	-				v	v		v	v				v		v	v	v
Frequency Stability	n41	-			v					v					v		v	
	n71				v	-	-	-		v					v		v	
	n77	-			v					v					v		v	
E.R.P / E.I.R.P	n41	-	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
	n77	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	n78	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	n41	Worst Case															v	
	n71	Worst Case															v	
	n77	Worst Case															v	
	n78	Worst Case															v	
Note	<ol style="list-style-type: none"> The mark "v " means that this configuration is chosen for testing The mark "- " means that this bandwidth is not supported. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. For modulation of CP-OFDM and DFT-s-OFDM , the maximum power of CP-OFDM is lower than DFT-s-OFDM modulation, therefore, we chose higher power (DFT-s-OFDM modulation) to perform all tests and show in the report. All modulations (BPSK/QPSK/16QAM/64QAM/256QAM) have been tested, and only the worst test results are shown in the report . Frequency Stability : Normal Voltage = 3.8V ; Low Voltage =3.6V. ; High Voltage =4.4V 																	

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

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

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss.

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

Following shows an offset computation example with cable loss 5 dB.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)}. \\ &= 5 \text{ (dB)} \end{aligned}$$



2.5 Frequency List of Low/Middle/High Channels

5G NR n41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	509202	518598	528000
	Frequency	2546.01	2592.99	2640
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	2511.0	2592.99	2674.98
20	Channel	501204	518598	535998
	Frequency	2506.02	2592.99	2679.99
15	Channel	500700	518598	536496
	Frequency	2503.5	2592.99	2682.48
10	Channel	500202	518598	537000
	Frequency	2501.01	2592.99	2685

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



5G NR n77 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	650000	656000	662000
	Frequency	3750	3840	3930
90	Channel	649668	656000	662332
	Frequency	3745.02	3840	3934.98
80	Channel	649334	656000	662666
	Frequency	3740.01	3840	3939.99
60	Channel	648668	656000	663332
	Frequency	3730.02	3840	3949.98
50	Channel	648334	656000	663666
	Frequency	3725.01	3840	3954.99
40	Channel	648000	656000	664000
	Frequency	3720	3840	3960
20	Channel	647334	656000	664666
	Frequency	3710.01	3840	3969.99
15	Channel	647168	656000	664832
	Frequency	3707.52	3840	3972.48
10	Channel	647000	656000	665000
	Frequency	3705	3840	3975



5G NR n78 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	650000		
	Frequency	3750		
90	Channel	649668	650000	650332
	Frequency	3745.02	3750	3754.98
80	Channel	649334	650000	650666
	Frequency	3740.01	3750	3759.99
70	Channel	649000	650000	651000
	Frequency	3735	3750	3765
60	Channel	648668	650000	651332
	Frequency	3730.02	3750	3769.98
50	Channel	648334	650000	651666
	Frequency	3725.01	3750	3774.99
40	Channel	648000	650000	652000
	Frequency	3720	3750	3780
30	Channel	647668	650000	652332
	Frequency	3715.02	3750	3784.98
20	Channel	647334	650000	652666
	Frequency	3710.01	3750	3789.99
15	Channel	647168	650000	652832
	Frequency	3707.52	3750	3792.48
10	Channel	647000	650000	653000
	Frequency	3705	3750	3795

3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.2 Test Setup

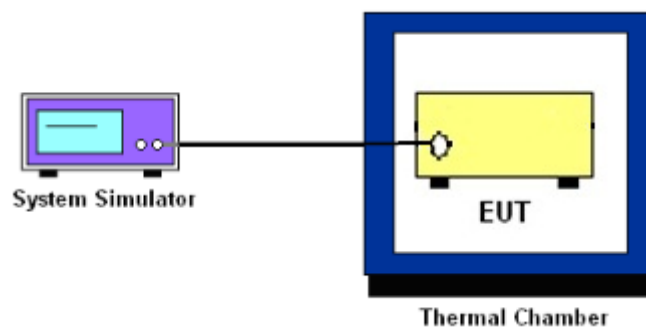
3.2.1 Conducted Output Power



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 n41.

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n77, n78.

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.4.2 Test Procedures

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



3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

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

3.5.2 Test Procedures

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



3.6 Occupied Bandwidth

3.6.1 Description of Occupied Bandwidth Measurement

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

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

3.6.2 Test Procedures

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



3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

27.53 (g)

For operations in the 600MHz band and 698 -746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ 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.

27.53(l)(2)

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



3.7.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW \geq 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.

Example:

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
= P(W)- [43 + 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 10th harmonic.

3.8.2 Test Procedures

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



3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

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

3.9.2 Test Procedures for Temperature Variation

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

3.9.3 Test Procedures for Voltage Variation

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

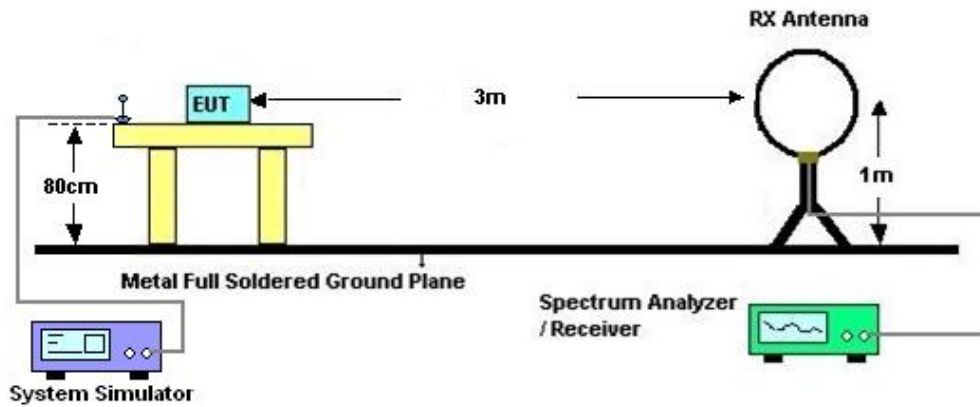
4 Radiated Test Items

4.1 Measuring Instruments

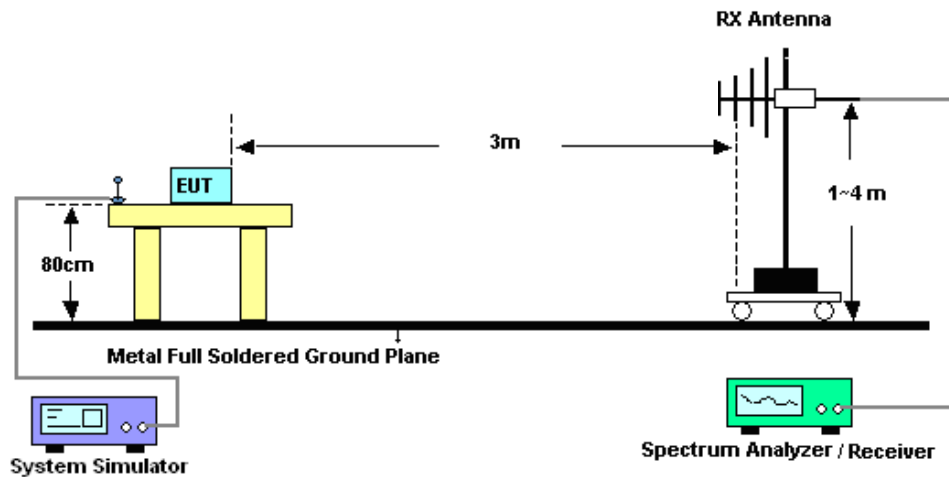
See list of measuring instruments of this test report.

4.2 Test Setup

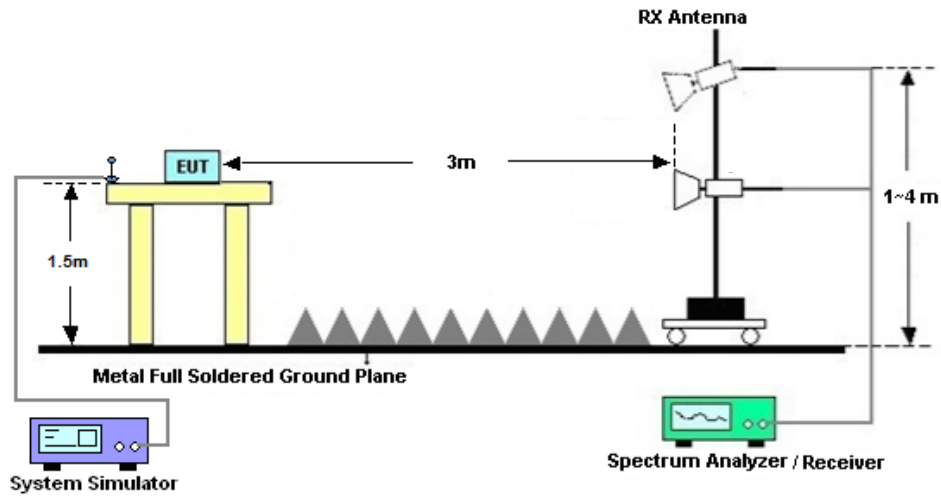
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.



4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

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

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 $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)] (dB)$
 $= [30 + 10\log(P)] (dBm) - [43 + 10\log(P)] (dB)$
 $= -13dBm.$

13. For 5G NR n41:

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)The limit line is derived from $55 + 10\log(P)$ 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	Jan. 08, 2022~ Feb. 08, 2022	Apr. 07, 2022	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V , 3A	Oct. 25, 2021	Jan. 08, 2022~ Feb. 08, 2022	Oct. 24, 2022	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2021	Jan. 08, 2022~ Feb. 08, 2022	Dec. 24, 2022	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 14, 2021	Jan. 08, 2022~ Feb. 08, 2022	Jul. 13, 2022	Conducted (TH01-SZ)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz-44G,MAX 30dB	Apr. 13, 2021	Jan. 10, 2022	Apr. 12, 2022	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 30, 2021	Jan. 10, 2022	Oct. 29, 2022	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	May 30, 2021	Jan. 10, 2022	May 29, 2022	Radiation (03CH04-KS)
Horn Antenna	Schwarzbeck	BBHA9120D	1356	1GHz~18GHz	Apr. 18, 2021	Jan. 10, 2022	Apr. 17, 2022	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 05, 2022	Jan. 10, 2022	Jan. 04, 2023	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Jan. 05, 2022	Jan. 10, 2022	Jan. 04, 2023	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40G GA	060728	18~40GHz	Jan. 05, 2022	Jan. 10, 2022	Jan. 04, 2023	Radiation (03CH04-KS)
high gain Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P	2025788	1Ghz-18Ghz	Jul. 30, 2021	Jan. 10, 2022	Jul. 29, 2022	Radiation (03CH04-KS)
Amplifier	Keysight	83017A	MY57280106	500MHz~26.5GHz	Oct. 13, 2021	Jan. 10, 2022	Oct. 12, 2022	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Jan. 10, 2022	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jan. 10, 2022	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jan. 10, 2022	NCR	Radiation (03CH04-KS)

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))	3.3dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.8dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.8dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Jung Kuo	Temperature :	22~23°C
		Relative Humidity :	40~42%

FR1 N41

Transmitter Conducted Output Power And EIRP

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
41	30	10	500202	2501.01	DFT-s-OFDM PI/2 BPSK	12@6	25.18	23.08	0.2032
41	30	10	500202	2501.01	DFT-s-OFDM PI/2 BPSK	1@1	25.12	23.02	0.2004
41	30	10	500202	2501.01	DFT-s-OFDM PI/2 BPSK	1@22	25.11	23.01	0.2000
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	12@6	25.21	23.11	0.2046
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@1	25.13	23.03	0.2009
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@22	25.16	23.06	0.2023
41	30	10	500202	2501.01	DFT-s-OFDM 16 QAM	12@6	24.35	22.25	0.1679
41	30	10	500202	2501.01	DFT-s-OFDM 16 QAM	1@1	24	21.9	0.1549
41	30	10	500202	2501.01	DFT-s-OFDM 16 QAM	1@22	23.83	21.73	0.1489
41	30	10	500202	2501.01	DFT-s-OFDM 64 QAM	12@6	22.75	20.65	0.1161
41	30	10	500202	2501.01	DFT-s-OFDM 64 QAM	1@1	22.84	20.74	0.1186
41	30	10	500202	2501.01	DFT-s-OFDM 64 QAM	1@22	22.68	20.58	0.1143
41	30	10	500202	2501.01	DFT-s-OFDM 256 QAM	12@6	20.87	18.77	0.0753
41	30	10	500202	2501.01	DFT-s-OFDM 256 QAM	1@1	21.01	18.91	0.0778
41	30	10	500202	2501.01	DFT-s-OFDM 256 QAM	1@22	20.97	18.87	0.0771
41	30	10	500202	2501.01	CP-OFDM QPSK	12@6	23.96	21.86	0.1535
41	30	10	500202	2501.01	CP-OFDM QPSK	1@1	23.73	21.63	0.1455
41	30	10	500202	2501.01	CP-OFDM QPSK	1@22	23.55	21.45	0.1396
41	30	10	518598	2592.99	DFT-s-OFDM PI/2 BPSK	12@6	25.6	23.5	0.2239
41	30	10	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	25.48	23.38	0.2178
41	30	10	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@22	25.52	23.42	0.2198
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	12@6	25.63	23.53	0.2254
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.59	23.49	0.2234
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@22	25.41	23.31	0.2143
41	30	10	518598	2592.99	DFT-s-OFDM 16 QAM	12@6	24.74	22.64	0.1837
41	30	10	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.22	22.12	0.1629
41	30	10	518598	2592.99	DFT-s-OFDM 16 QAM	1@22	24.23	22.13	0.1633
41	30	10	518598	2592.99	DFT-s-OFDM 64 QAM	12@6	23.18	21.08	0.1282
41	30	10	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	23.09	20.99	0.1256
41	30	10	518598	2592.99	DFT-s-OFDM 64 QAM	1@22	23.1	21	0.1259

41	30	10	518598	2592.99	DFT-s-OFDM 256 QAM	12@6	21.17	19.07	0.0807
41	30	10	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	21.49	19.39	0.0869
41	30	10	518598	2592.99	DFT-s-OFDM 256 QAM	1@22	21.44	19.34	0.0859
41	30	10	518598	2592.99	CP-OFDM QPSK	12@6	24.45	22.35	0.1718
41	30	10	518598	2592.99	CP-OFDM QPSK	1@1	24.06	21.96	0.1570
41	30	10	518598	2592.99	CP-OFDM QPSK	1@22	23.87	21.77	0.1503
41	30	10	537000	2685	DFT-s-OFDM PI/2 BPSK	12@6	25.55	23.45	0.2213
41	30	10	537000	2685	DFT-s-OFDM PI/2 BPSK	1@1	25.41	23.31	0.2143
41	30	10	537000	2685	DFT-s-OFDM PI/2 BPSK	1@22	25.47	23.37	0.2173
41	30	10	537000	2685	DFT-s-OFDM QPSK	12@6	25.55	23.45	0.2213
41	30	10	537000	2685	DFT-s-OFDM QPSK	1@1	25.47	23.37	0.2173
41	30	10	537000	2685	DFT-s-OFDM QPSK	1@22	25.58	23.48	0.2228
41	30	10	537000	2685	DFT-s-OFDM 16 QAM	12@6	24.67	22.57	0.1807
41	30	10	537000	2685	DFT-s-OFDM 16 QAM	1@1	24.3	22.2	0.1660
41	30	10	537000	2685	DFT-s-OFDM 16 QAM	1@22	24.39	22.29	0.1694
41	30	10	537000	2685	DFT-s-OFDM 64 QAM	12@6	23.1	21	0.1259
41	30	10	537000	2685	DFT-s-OFDM 64 QAM	1@1	23.14	21.04	0.1271
41	30	10	537000	2685	DFT-s-OFDM 64 QAM	1@22	23.08	20.98	0.1253
41	30	10	537000	2685	DFT-s-OFDM 256 QAM	12@6	21.21	19.11	0.0815
41	30	10	537000	2685	DFT-s-OFDM 256 QAM	1@1	21.29	19.19	0.0830
41	30	10	537000	2685	DFT-s-OFDM 256 QAM	1@22	21.5	19.4	0.0871
41	30	10	537000	2685	CP-OFDM QPSK	12@6	24.35	22.25	0.1679
41	30	10	537000	2685	CP-OFDM QPSK	1@1	23.98	21.88	0.1542
41	30	10	537000	2685	CP-OFDM QPSK	1@22	23.8	21.7	0.1479
41	30	15	500700	2503.5	DFT-s-OFDM PI/2 BPSK	18@9	25.3	23.2	0.2089
41	30	15	500700	2503.5	DFT-s-OFDM PI/2 BPSK	1@1	25.18	23.08	0.2032
41	30	15	500700	2503.5	DFT-s-OFDM PI/2 BPSK	1@36	25.18	23.08	0.2032
41	30	15	500700	2503.5	DFT-s-OFDM QPSK	18@9	25.35	23.25	0.2113
41	30	15	500700	2503.5	DFT-s-OFDM QPSK	1@1	25.14	23.04	0.2014
41	30	15	500700	2503.5	DFT-s-OFDM QPSK	1@36	25.24	23.14	0.2061
41	30	15	500700	2503.5	DFT-s-OFDM 16 QAM	18@9	24.34	22.24	0.1675
41	30	15	500700	2503.5	DFT-s-OFDM 16 QAM	1@1	24.02	21.92	0.1556
41	30	15	500700	2503.5	DFT-s-OFDM 16 QAM	1@36	23.98	21.88	0.1542
41	30	15	500700	2503.5	DFT-s-OFDM 64 QAM	18@9	22.91	20.81	0.1205
41	30	15	500700	2503.5	DFT-s-OFDM 64 QAM	1@1	22.77	20.67	0.1167
41	30	15	500700	2503.5	DFT-s-OFDM 64 QAM	1@36	22.74	20.64	0.1159

41	30	15	500700	2503.5	DFT-s-OFDM 256 QAM	18@9	20.91	18.81	0.0760
41	30	15	500700	2503.5	DFT-s-OFDM 256 QAM	1@1	21.19	19.09	0.0811
41	30	15	500700	2503.5	DFT-s-OFDM 256 QAM	1@36	21.12	19.02	0.0798
41	30	15	500700	2503.5	CP-OFDM QPSK	19@9	23.98	21.88	0.1542
41	30	15	500700	2503.5	CP-OFDM QPSK	1@1	23.72	21.62	0.1452
41	30	15	500700	2503.5	CP-OFDM QPSK	1@36	23.65	21.55	0.1429
41	30	15	518598	2592.99	DFT-s-OFDM PI/2 BPSK	18@9	25.66	23.56	0.2270
41	30	15	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	25.47	23.37	0.2173
41	30	15	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@36	25.54	23.44	0.2208
41	30	15	518598	2592.99	DFT-s-OFDM QPSK	18@9	25.71	23.61	0.2296
41	30	15	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.41	23.31	0.2143
41	30	15	518598	2592.99	DFT-s-OFDM QPSK	1@36	25.57	23.47	0.2223
41	30	15	518598	2592.99	DFT-s-OFDM 16 QAM	18@9	24.76	22.66	0.1845
41	30	15	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.25	22.15	0.1641
41	30	15	518598	2592.99	DFT-s-OFDM 16 QAM	1@36	24.34	22.24	0.1675
41	30	15	518598	2592.99	DFT-s-OFDM 64 QAM	18@9	23.29	21.19	0.1315
41	30	15	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	23	20.9	0.1230
41	30	15	518598	2592.99	DFT-s-OFDM 64 QAM	1@36	23.11	21.01	0.1262
41	30	15	518598	2592.99	DFT-s-OFDM 256 QAM	18@9	21.26	19.16	0.0824
41	30	15	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	21.4	19.3	0.0851
41	30	15	518598	2592.99	DFT-s-OFDM 256 QAM	1@36	21.46	19.36	0.0863
41	30	15	518598	2592.99	CP-OFDM QPSK	19@9	24.33	22.23	0.1671
41	30	15	518598	2592.99	CP-OFDM QPSK	1@1	23.84	21.74	0.1493
41	30	15	518598	2592.99	CP-OFDM QPSK	1@36	23.94	21.84	0.1528
41	30	15	536496	2682.48	DFT-s-OFDM PI/2 BPSK	18@9	25.49	23.39	0.2183
41	30	15	536496	2682.48	DFT-s-OFDM PI/2 BPSK	1@1	25.33	23.23	0.2104
41	30	15	536496	2682.48	DFT-s-OFDM PI/2 BPSK	1@36	25.47	23.37	0.2173
41	30	15	536496	2682.48	DFT-s-OFDM QPSK	18@9	25.52	23.42	0.2198
41	30	15	536496	2682.48	DFT-s-OFDM QPSK	1@1	25.37	23.27	0.2123
41	30	15	536496	2682.48	DFT-s-OFDM QPSK	1@36	25.58	23.48	0.2228
41	30	15	536496	2682.48	DFT-s-OFDM 16 QAM	18@9	24.52	22.42	0.1746
41	30	15	536496	2682.48	DFT-s-OFDM 16 QAM	1@1	24.23	22.13	0.1633
41	30	15	536496	2682.48	DFT-s-OFDM 16 QAM	1@36	24.35	22.25	0.1679
41	30	15	536496	2682.48	DFT-s-OFDM 64 QAM	18@9	23.11	21.01	0.1262
41	30	15	536496	2682.48	DFT-s-OFDM 64 QAM	1@1	22.93	20.83	0.1211
41	30	15	536496	2682.48	DFT-s-OFDM 64 QAM	1@36	23.1	21	0.1259

41	30	15	536496	2682.48	DFT-s-OFDM 256 QAM	18@9	21.16	19.06	0.0805
41	30	15	536496	2682.48	DFT-s-OFDM 256 QAM	1@1	21.15	19.05	0.0804
41	30	15	536496	2682.48	DFT-s-OFDM 256 QAM	1@36	21.46	19.36	0.0863
41	30	15	536496	2682.48	CP-OFDM QPSK	19@9	24.11	22.01	0.1589
41	30	15	536496	2682.48	CP-OFDM QPSK	1@1	23.95	21.85	0.1531
41	30	15	536496	2682.48	CP-OFDM QPSK	1@36	23.99	21.89	0.1545
41	30	20	501204	2506.02	DFT-s-OFDM PI/2 BPSK	25@12	25.35	23.25	0.2113
41	30	20	501204	2506.02	DFT-s-OFDM PI/2 BPSK	1@1	25.15	23.05	0.2018
41	30	20	501204	2506.02	DFT-s-OFDM PI/2 BPSK	1@49	25.14	23.04	0.2014
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	25@12	25.38	23.28	0.2128
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@1	25.14	23.04	0.2014
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@49	25.21	23.11	0.2046
41	30	20	501204	2506.02	DFT-s-OFDM 16 QAM	25@12	24.36	22.26	0.1683
41	30	20	501204	2506.02	DFT-s-OFDM 16 QAM	1@1	23.99	21.89	0.1545
41	30	20	501204	2506.02	DFT-s-OFDM 16 QAM	1@49	23.81	21.71	0.1483
41	30	20	501204	2506.02	DFT-s-OFDM 64 QAM	25@12	22.92	20.82	0.1208
41	30	20	501204	2506.02	DFT-s-OFDM 64 QAM	1@1	22.71	20.61	0.1151
41	30	20	501204	2506.02	DFT-s-OFDM 64 QAM	1@49	22.65	20.55	0.1135
41	30	20	501204	2506.02	DFT-s-OFDM 256 QAM	25@12	20.91	18.81	0.0760
41	30	20	501204	2506.02	DFT-s-OFDM 256 QAM	1@1	20.74	18.64	0.0731
41	30	20	501204	2506.02	DFT-s-OFDM 256 QAM	1@49	20.7	18.6	0.0724
41	30	20	501204	2506.02	CP-OFDM QPSK	25@12	23.85	21.75	0.1496
41	30	20	501204	2506.02	CP-OFDM QPSK	1@1	23.68	21.58	0.1439
41	30	20	501204	2506.02	CP-OFDM QPSK	1@49	23.67	21.57	0.1435
41	30	20	518598	2592.99	DFT-s-OFDM PI/2 BPSK	25@12	25.71	23.61	0.2296
41	30	20	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	25.36	23.26	0.2118
41	30	20	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@49	25.47	23.37	0.2173
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	25@12	25.75	23.65	0.2317
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.43	23.33	0.2153
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@49	25.35	23.25	0.2113
41	30	20	518598	2592.99	DFT-s-OFDM 16 QAM	25@12	24.73	22.63	0.1832
41	30	20	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.06	21.96	0.1570
41	30	20	518598	2592.99	DFT-s-OFDM 16 QAM	1@49	24.29	22.19	0.1656
41	30	20	518598	2592.99	DFT-s-OFDM 64 QAM	25@12	23.25	21.15	0.1303
41	30	20	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	22.92	20.82	0.1208
41	30	20	518598	2592.99	DFT-s-OFDM 64 QAM	1@49	23.05	20.95	0.1245

41	30	20	518598	2592.99	DFT-s-OFDM 256 QAM	25@12	21.19	19.09	0.0811
41	30	20	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	21.3	19.2	0.0832
41	30	20	518598	2592.99	DFT-s-OFDM 256 QAM	1@49	21.4	19.3	0.0851
41	30	20	518598	2592.99	CP-OFDM QPSK	25@12	24.14	22.04	0.1600
41	30	20	518598	2592.99	CP-OFDM QPSK	1@1	23.72	21.62	0.1452
41	30	20	518598	2592.99	CP-OFDM QPSK	1@49	23.9	21.8	0.1514
41	30	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	25@12	25.3	23.2	0.2089
41	30	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	1@1	25.07	22.97	0.1982
41	30	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	1@49	25.21	23.11	0.2046
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	25@12	25.35	23.25	0.2113
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@1	25.1	23	0.1995
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@49	25.11	23.01	0.2000
41	30	20	535998	2679.99	DFT-s-OFDM 16 QAM	25@12	24.33	22.23	0.1671
41	30	20	535998	2679.99	DFT-s-OFDM 16 QAM	1@1	23.91	21.81	0.1517
41	30	20	535998	2679.99	DFT-s-OFDM 16 QAM	1@49	24.23	22.13	0.1633
41	30	20	535998	2679.99	DFT-s-OFDM 64 QAM	25@12	22.88	20.78	0.1197
41	30	20	535998	2679.99	DFT-s-OFDM 64 QAM	1@1	22.69	20.59	0.1146
41	30	20	535998	2679.99	DFT-s-OFDM 64 QAM	1@49	22.79	20.69	0.1172
41	30	20	535998	2679.99	DFT-s-OFDM 256 QAM	25@12	20.93	18.83	0.0764
41	30	20	535998	2679.99	DFT-s-OFDM 256 QAM	1@1	20.59	18.49	0.0706
41	30	20	535998	2679.99	DFT-s-OFDM 256 QAM	1@49	20.8	18.7	0.0741
41	30	20	535998	2679.99	CP-OFDM QPSK	25@12	23.87	21.77	0.1503
41	30	20	535998	2679.99	CP-OFDM QPSK	1@1	23.6	21.5	0.1413
41	30	20	535998	2679.99	CP-OFDM QPSK	1@49	23.88	21.78	0.1507
41	30	30	502200	2511	DFT-s-OFDM PI/2 BPSK	36@18	25.2	23.1	0.2042
41	30	30	502200	2511	DFT-s-OFDM PI/2 BPSK	1@1	24.91	22.81	0.1910
41	30	30	502200	2511	DFT-s-OFDM PI/2 BPSK	1@76	24.83	22.73	0.1875
41	30	30	502200	2511	DFT-s-OFDM QPSK	36@18	25.22	23.12	0.2051
41	30	30	502200	2511	DFT-s-OFDM QPSK	1@1	24.83	22.73	0.1875
41	30	30	502200	2511	DFT-s-OFDM QPSK	1@76	24.86	22.76	0.1888
41	30	30	502200	2511	DFT-s-OFDM 16 QAM	36@18	24.27	22.17	0.1648
41	30	30	502200	2511	DFT-s-OFDM 16 QAM	1@1	23.75	21.65	0.1462
41	30	30	502200	2511	DFT-s-OFDM 16 QAM	1@76	23.64	21.54	0.1426
41	30	30	502200	2511	DFT-s-OFDM 64 QAM	36@18	22.75	20.65	0.1161
41	30	30	502200	2511	DFT-s-OFDM 64 QAM	1@1	22.5	20.4	0.1096
41	30	30	502200	2511	DFT-s-OFDM 64 QAM	1@76	22.33	20.23	0.1054

41	30	30	502200	2511	DFT-s-OFDM 256 QAM	36@18	20.81	18.71	0.0743
41	30	30	502200	2511	DFT-s-OFDM 256 QAM	1@1	20.85	18.75	0.0750
41	30	30	502200	2511	DFT-s-OFDM 256 QAM	1@76	20.77	18.67	0.0736
41	30	30	502200	2511	CP-OFDM QPSK	39@19	23.75	21.65	0.1462
41	30	30	502200	2511	CP-OFDM QPSK	1@1	23.45	21.35	0.1365
41	30	30	502200	2511	CP-OFDM QPSK	1@76	23.31	21.21	0.1321
41	30	30	518598	2592.99	DFT-s-OFDM PI/2 BPSK	36@18	25.58	23.48	0.2228
41	30	30	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	25.11	23.01	0.2000
41	30	30	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@76	25.31	23.21	0.2094
41	30	30	518598	2592.99	DFT-s-OFDM QPSK	36@18	25.62	23.52	0.2249
41	30	30	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.09	22.99	0.1991
41	30	30	518598	2592.99	DFT-s-OFDM QPSK	1@76	25.29	23.19	0.2084
41	30	30	518598	2592.99	DFT-s-OFDM 16 QAM	36@18	24.66	22.56	0.1803
41	30	30	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	23.86	21.76	0.1500
41	30	30	518598	2592.99	DFT-s-OFDM 16 QAM	1@76	24.14	22.04	0.1600
41	30	30	518598	2592.99	DFT-s-OFDM 64 QAM	36@18	23.13	21.03	0.1268
41	30	30	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	22.72	20.62	0.1153
41	30	30	518598	2592.99	DFT-s-OFDM 64 QAM	1@76	23.12	21.02	0.1265
41	30	30	518598	2592.99	DFT-s-OFDM 256 QAM	36@18	21.16	19.06	0.0805
41	30	30	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	21	18.9	0.0776
41	30	30	518598	2592.99	DFT-s-OFDM 256 QAM	1@76	21.16	19.06	0.0805
41	30	30	518598	2592.99	CP-OFDM QPSK	39@19	24.11	22.01	0.1589
41	30	30	518598	2592.99	CP-OFDM QPSK	1@1	23.57	21.47	0.1403
41	30	30	518598	2592.99	CP-OFDM QPSK	1@76	23.7	21.6	0.1445
41	30	30	534996	2674.98	DFT-s-OFDM PI/2 BPSK	36@18	25.45	23.35	0.2163
41	30	30	534996	2674.98	DFT-s-OFDM PI/2 BPSK	1@1	25.04	22.94	0.1968
41	30	30	534996	2674.98	DFT-s-OFDM PI/2 BPSK	1@76	25.26	23.16	0.2070
41	30	30	534996	2674.98	DFT-s-OFDM QPSK	36@18	25.47	23.37	0.2173
41	30	30	534996	2674.98	DFT-s-OFDM QPSK	1@1	25.04	22.94	0.1968
41	30	30	534996	2674.98	DFT-s-OFDM QPSK	1@76	25.17	23.07	0.2028
41	30	30	534996	2674.98	DFT-s-OFDM 16 QAM	36@18	24.55	22.45	0.1758
41	30	30	534996	2674.98	DFT-s-OFDM 16 QAM	1@1	23.83	21.73	0.1489
41	30	30	534996	2674.98	DFT-s-OFDM 16 QAM	1@76	24.1	22	0.1585
41	30	30	534996	2674.98	DFT-s-OFDM 64 QAM	36@18	23.01	20.91	0.1233
41	30	30	534996	2674.98	DFT-s-OFDM 64 QAM	1@1	22.68	20.58	0.1143
41	30	30	534996	2674.98	DFT-s-OFDM 64 QAM	1@76	22.86	20.76	0.1191

41	30	30	534996	2674.98	DFT-s-OFDM 256 QAM	36@18	21.05	18.95	0.0785
41	30	30	534996	2674.98	DFT-s-OFDM 256 QAM	1@1	20.9	18.8	0.0759
41	30	30	534996	2674.98	DFT-s-OFDM 256 QAM	1@76	21.13	19.03	0.0800
41	30	30	534996	2674.98	CP-OFDM QPSK	39@19	23.98	21.88	0.1542
41	30	30	534996	2674.98	CP-OFDM QPSK	1@1	23.65	21.55	0.1429
41	30	30	534996	2674.98	CP-OFDM QPSK	1@76	23.76	21.66	0.1466
41	30	40	503202	2516.01	DFT-s-OFDM PI/2 BPSK	50@25	25.24	23.14	0.2061
41	30	40	503202	2516.01	DFT-s-OFDM PI/2 BPSK	1@1	24.79	22.69	0.1858
41	30	40	503202	2516.01	DFT-s-OFDM PI/2 BPSK	1@104	24.79	22.69	0.1858
41	30	40	503202	2516.01	DFT-s-OFDM QPSK	50@25	25.28	23.18	0.2080
41	30	40	503202	2516.01	DFT-s-OFDM QPSK	1@1	24.93	22.83	0.1919
41	30	40	503202	2516.01	DFT-s-OFDM QPSK	1@104	24.62	22.52	0.1786
41	30	40	503202	2516.01	DFT-s-OFDM 16 QAM	50@25	24.26	22.16	0.1644
41	30	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@1	23.58	21.48	0.1406
41	30	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@104	23.44	21.34	0.1361
41	30	40	503202	2516.01	DFT-s-OFDM 64 QAM	50@25	22.76	20.66	0.1164
41	30	40	503202	2516.01	DFT-s-OFDM 64 QAM	1@1	22.39	20.29	0.1069
41	30	40	503202	2516.01	DFT-s-OFDM 64 QAM	1@104	22.64	20.54	0.1132
41	30	40	503202	2516.01	DFT-s-OFDM 256 QAM	50@25	20.8	18.7	0.0741
41	30	40	503202	2516.01	DFT-s-OFDM 256 QAM	1@1	20.75	18.65	0.0733
41	30	40	503202	2516.01	DFT-s-OFDM 256 QAM	1@104	20.73	18.63	0.0729
41	30	40	503202	2516.01	CP-OFDM QPSK	53@26	23.73	21.63	0.1455
41	30	40	503202	2516.01	CP-OFDM QPSK	1@1	23.34	21.24	0.1330
41	30	40	503202	2516.01	CP-OFDM QPSK	1@104	23.3	21.2	0.1318
41	30	40	518598	2592.99	DFT-s-OFDM PI/2 BPSK	50@25	25.65	23.55	0.2265
41	30	40	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	24.94	22.84	0.1923
41	30	40	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@104	25.19	23.09	0.2037
41	30	40	518598	2592.99	DFT-s-OFDM QPSK	50@25	25.67	23.57	0.2275
41	30	40	518598	2592.99	DFT-s-OFDM QPSK	1@1	24.92	22.82	0.1914
41	30	40	518598	2592.99	DFT-s-OFDM QPSK	1@104	25.22	23.12	0.2051
41	30	40	518598	2592.99	DFT-s-OFDM 16 QAM	50@25	24.67	22.57	0.1807
41	30	40	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	23.88	21.78	0.1507
41	30	40	518598	2592.99	DFT-s-OFDM 16 QAM	1@104	24.12	22.02	0.1592
41	30	40	518598	2592.99	DFT-s-OFDM 64 QAM	50@25	23.13	21.03	0.1268
41	30	40	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	22.4	20.3	0.1072
41	30	40	518598	2592.99	DFT-s-OFDM 64 QAM	1@104	22.7	20.6	0.1148

41	30	40	518598	2592.99	DFT-s-OFDM 256 QAM	50@25	21.19	19.09	0.0811
41	30	40	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	20.43	18.33	0.0681
41	30	40	518598	2592.99	DFT-s-OFDM 256 QAM	1@104	20.83	18.73	0.0746
41	30	40	518598	2592.99	CP-OFDM QPSK	53@26	24.1	22	0.1585
41	30	40	518598	2592.99	CP-OFDM QPSK	1@1	23.53	21.43	0.1390
41	30	40	518598	2592.99	CP-OFDM QPSK	1@104	23.64	21.54	0.1426
41	30	40	534000	2670	DFT-s-OFDM PI/2 BPSK	50@25	25.52	23.42	0.2198
41	30	40	534000	2670	DFT-s-OFDM PI/2 BPSK	1@1	24.87	22.77	0.1892
41	30	40	534000	2670	DFT-s-OFDM PI/2 BPSK	1@104	25.17	23.07	0.2028
41	30	40	534000	2670	DFT-s-OFDM QPSK	50@25	25.54	23.44	0.2208
41	30	40	534000	2670	DFT-s-OFDM QPSK	1@1	24.81	22.71	0.1866
41	30	40	534000	2670	DFT-s-OFDM QPSK	1@104	25.16	23.06	0.2023
41	30	40	534000	2670	DFT-s-OFDM 16 QAM	50@25	24.48	22.38	0.1730
41	30	40	534000	2670	DFT-s-OFDM 16 QAM	1@1	23.72	21.62	0.1452
41	30	40	534000	2670	DFT-s-OFDM 16 QAM	1@104	24	21.9	0.1549
41	30	40	534000	2670	DFT-s-OFDM 64 QAM	50@25	23.04	20.94	0.1242
41	30	40	534000	2670	DFT-s-OFDM 64 QAM	1@1	22.48	20.38	0.1091
41	30	40	534000	2670	DFT-s-OFDM 64 QAM	1@104	22.83	20.73	0.1183
41	30	40	534000	2670	DFT-s-OFDM 256 QAM	50@25	21.06	18.96	0.0787
41	30	40	534000	2670	DFT-s-OFDM 256 QAM	1@1	20.84	18.74	0.0748
41	30	40	534000	2670	DFT-s-OFDM 256 QAM	1@104	21.1	19	0.0794
41	30	40	534000	2670	CP-OFDM QPSK	53@26	23.95	21.85	0.1531
41	30	40	534000	2670	CP-OFDM QPSK	1@1	23.46	21.36	0.1368
41	30	40	534000	2670	CP-OFDM QPSK	1@104	23.69	21.59	0.1442
41	30	50	504204	2521.02	DFT-s-OFDM PI/2 BPSK	64@32	25.34	23.24	0.2109
41	30	50	504204	2521.02	DFT-s-OFDM PI/2 BPSK	1@1	25.05	22.95	0.1972
41	30	50	504204	2521.02	DFT-s-OFDM PI/2 BPSK	1@131	25.14	23.04	0.2014
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	64@32	25.32	23.22	0.2099
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@1	25.04	22.94	0.1968
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@131	25.07	22.97	0.1982
41	30	50	504204	2521.02	DFT-s-OFDM 16 QAM	64@32	24.35	22.25	0.1679
41	30	50	504204	2521.02	DFT-s-OFDM 16 QAM	1@1	23.78	21.68	0.1472
41	30	50	504204	2521.02	DFT-s-OFDM 16 QAM	1@131	23.96	21.86	0.1535
41	30	50	504204	2521.02	DFT-s-OFDM 64 QAM	64@32	22.86	20.76	0.1191
41	30	50	504204	2521.02	DFT-s-OFDM 64 QAM	1@1	22.9	20.8	0.1202
41	30	50	504204	2521.02	DFT-s-OFDM 64 QAM	1@131	22.75	20.65	0.1161

41	30	50	504204	2521.02	DFT-s-OFDM 256 QAM	64@32	20.88	18.78	0.0755
41	30	50	504204	2521.02	DFT-s-OFDM 256 QAM	1@1	20.96	18.86	0.0769
41	30	50	504204	2521.02	DFT-s-OFDM 256 QAM	1@131	20.97	18.87	0.0771
41	30	50	504204	2521.02	CP-OFDM QPSK	67@33	23.84	21.74	0.1493
41	30	50	504204	2521.02	CP-OFDM QPSK	1@1	23.59	21.49	0.1409
41	30	50	504204	2521.02	CP-OFDM QPSK	1@131	23.62	21.52	0.1419
41	30	50	518598	2592.99	DFT-s-OFDM PI/2 BPSK	64@32	25.67	23.57	0.2275
41	30	50	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	25.24	23.14	0.2061
41	30	50	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@131	25.55	23.45	0.2213
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	64@32	25.69	23.59	0.2286
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.26	23.16	0.2070
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@131	25.47	23.37	0.2173
41	30	50	518598	2592.99	DFT-s-OFDM 16 QAM	64@32	24.72	22.62	0.1828
41	30	50	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.14	22.04	0.1600
41	30	50	518598	2592.99	DFT-s-OFDM 16 QAM	1@131	24.44	22.34	0.1714
41	30	50	518598	2592.99	DFT-s-OFDM 64 QAM	64@32	23.21	21.11	0.1291
41	30	50	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	22.86	20.76	0.1191
41	30	50	518598	2592.99	DFT-s-OFDM 64 QAM	1@131	23.16	21.06	0.1276
41	30	50	518598	2592.99	DFT-s-OFDM 256 QAM	64@32	21.21	19.11	0.0815
41	30	50	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	21.03	18.93	0.0782
41	30	50	518598	2592.99	DFT-s-OFDM 256 QAM	1@131	21.35	19.25	0.0841
41	30	50	518598	2592.99	CP-OFDM QPSK	67@33	24.17	22.07	0.1611
41	30	50	518598	2592.99	CP-OFDM QPSK	1@1	23.78	21.68	0.1472
41	30	50	518598	2592.99	CP-OFDM QPSK	1@131	23.97	21.87	0.1538
41	30	50	532998	2664.99	DFT-s-OFDM PI/2 BPSK	64@32	25.52	23.42	0.2198
41	30	50	532998	2664.99	DFT-s-OFDM PI/2 BPSK	1@1	25.15	23.05	0.2018
41	30	50	532998	2664.99	DFT-s-OFDM PI/2 BPSK	1@131	25.43	23.33	0.2153
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	64@32	25.54	23.44	0.2208
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@1	25.09	22.99	0.1991
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@131	25.42	23.32	0.2148
41	30	50	532998	2664.99	DFT-s-OFDM 16 QAM	64@32	24.57	22.47	0.1766
41	30	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@1	23.97	21.87	0.1538
41	30	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@131	24.19	22.09	0.1618
41	30	50	532998	2664.99	DFT-s-OFDM 64 QAM	64@32	23.06	20.96	0.1247
41	30	50	532998	2664.99	DFT-s-OFDM 64 QAM	1@1	22.76	20.66	0.1164
41	30	50	532998	2664.99	DFT-s-OFDM 64 QAM	1@131	23.08	20.98	0.1253

41	30	50	532998	2664.99	DFT-s-OFDM 256 QAM	64@32	21.09	18.99	0.0793
41	30	50	532998	2664.99	DFT-s-OFDM 256 QAM	1@1	21.09	18.99	0.0793
41	30	50	532998	2664.99	DFT-s-OFDM 256 QAM	1@131	21.37	19.27	0.0845
41	30	50	532998	2664.99	CP-OFDM QPSK	67@33	24.03	21.93	0.1560
41	30	50	532998	2664.99	CP-OFDM QPSK	1@1	23.61	21.51	0.1416
41	30	50	532998	2664.99	CP-OFDM QPSK	1@131	23.89	21.79	0.1510
41	30	60	505200	2526	DFT-s-OFDM PI/2 BPSK	81@40	25.37	23.27	0.2123
41	30	60	505200	2526	DFT-s-OFDM PI/2 BPSK	1@1	24.99	22.89	0.1945
41	30	60	505200	2526	DFT-s-OFDM PI/2 BPSK	1@160	25.09	22.99	0.1991
41	30	60	505200	2526	DFT-s-OFDM QPSK	81@40	25.35	23.25	0.2113
41	30	60	505200	2526	DFT-s-OFDM QPSK	1@1	24.84	22.74	0.1879
41	30	60	505200	2526	DFT-s-OFDM QPSK	1@160	25.12	23.02	0.2004
41	30	60	505200	2526	DFT-s-OFDM 16 QAM	81@40	24.38	22.28	0.1690
41	30	60	505200	2526	DFT-s-OFDM 16 QAM	1@1	23.8	21.7	0.1479
41	30	60	505200	2526	DFT-s-OFDM 16 QAM	1@160	23.8	21.7	0.1479
41	30	60	505200	2526	DFT-s-OFDM 64 QAM	81@40	22.9	20.8	0.1202
41	30	60	505200	2526	DFT-s-OFDM 64 QAM	1@1	22.49	20.39	0.1094
41	30	60	505200	2526	DFT-s-OFDM 64 QAM	1@160	22.68	20.58	0.1143
41	30	60	505200	2526	DFT-s-OFDM 256 QAM	81@40	20.89	18.79	0.0757
41	30	60	505200	2526	DFT-s-OFDM 256 QAM	1@1	20.59	18.49	0.0706
41	30	60	505200	2526	DFT-s-OFDM 256 QAM	1@160	20.59	18.49	0.0706
41	30	60	505200	2526	CP-OFDM QPSK	81@40	23.85	21.75	0.1496
41	30	60	505200	2526	CP-OFDM QPSK	1@1	23.5	21.4	0.1380
41	30	60	505200	2526	CP-OFDM QPSK	1@160	23.61	21.51	0.1416
41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	81@40	25.69	23.59	0.2286
41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	25.12	23.02	0.2004
41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@160	25.48	23.38	0.2178
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	81@40	25.68	23.58	0.2280
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@1	24.97	22.87	0.1936
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@160	25.65	23.55	0.2265
41	30	60	518598	2592.99	DFT-s-OFDM 16 QAM	81@40	24.7	22.6	0.1820
41	30	60	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	23.8	21.7	0.1479
41	30	60	518598	2592.99	DFT-s-OFDM 16 QAM	1@160	24.33	22.23	0.1671
41	30	60	518598	2592.99	DFT-s-OFDM 64 QAM	81@40	23.19	21.09	0.1285
41	30	60	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	22.62	20.52	0.1127
41	30	60	518598	2592.99	DFT-s-OFDM 64 QAM	1@160	23.05	20.95	0.1245

41	30	60	518598	2592.99	DFT-s-OFDM 256 QAM	81@40	21.23	19.13	0.0818
41	30	60	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	20.95	18.85	0.0767
41	30	60	518598	2592.99	DFT-s-OFDM 256 QAM	1@160	21.34	19.24	0.0839
41	30	60	518598	2592.99	CP-OFDM QPSK	81@40	24.15	22.05	0.1603
41	30	60	518598	2592.99	CP-OFDM QPSK	1@1	23.65	21.55	0.1429
41	30	60	518598	2592.99	CP-OFDM QPSK	1@160	24.05	21.95	0.1567
41	30	60	531996	2659.98	DFT-s-OFDM PI/2 BPSK	81@40	25.57	23.47	0.2223
41	30	60	531996	2659.98	DFT-s-OFDM PI/2 BPSK	1@1	25.11	23.01	0.2000
41	30	60	531996	2659.98	DFT-s-OFDM PI/2 BPSK	1@160	25.36	23.26	0.2118
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	81@40	25.55	23.45	0.2213
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@1	25.14	23.04	0.2014
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@160	25.27	23.17	0.2075
41	30	60	531996	2659.98	DFT-s-OFDM 16 QAM	81@40	24.58	22.48	0.1770
41	30	60	531996	2659.98	DFT-s-OFDM 16 QAM	1@1	24.09	21.99	0.1581
41	30	60	531996	2659.98	DFT-s-OFDM 16 QAM	1@160	24.24	22.14	0.1637
41	30	60	531996	2659.98	DFT-s-OFDM 64 QAM	81@40	23.1	21	0.1259
41	30	60	531996	2659.98	DFT-s-OFDM 64 QAM	1@1	22.94	20.84	0.1213
41	30	60	531996	2659.98	DFT-s-OFDM 64 QAM	1@160	23.03	20.93	0.1239
41	30	60	531996	2659.98	DFT-s-OFDM 256 QAM	81@40	21.13	19.03	0.0800
41	30	60	531996	2659.98	DFT-s-OFDM 256 QAM	1@1	20.97	18.87	0.0771
41	30	60	531996	2659.98	DFT-s-OFDM 256 QAM	1@160	21.29	19.19	0.0830
41	30	60	531996	2659.98	CP-OFDM QPSK	81@40	24.04	21.94	0.1563
41	30	60	531996	2659.98	CP-OFDM QPSK	1@1	23.65	21.55	0.1429
41	30	60	531996	2659.98	CP-OFDM QPSK	1@160	23.93	21.83	0.1524
41	30	70	506202	2531.01	DFT-s-OFDM PI/2 BPSK	90@45	25.46	23.36	0.2168
41	30	70	506202	2531.01	DFT-s-OFDM PI/2 BPSK	1@1	24.95	22.85	0.1928
41	30	70	506202	2531.01	DFT-s-OFDM PI/2 BPSK	1@187	25.18	23.08	0.2032
41	30	70	506202	2531.01	DFT-s-OFDM QPSK	90@45	25.49	23.39	0.2183
41	30	70	506202	2531.01	DFT-s-OFDM QPSK	1@1	25.01	22.91	0.1954
41	30	70	506202	2531.01	DFT-s-OFDM QPSK	1@187	25.19	23.09	0.2037
41	30	70	506202	2531.01	DFT-s-OFDM 16 QAM	90@45	24.48	22.38	0.1730
41	30	70	506202	2531.01	DFT-s-OFDM 16 QAM	1@1	23.78	21.68	0.1472
41	30	70	506202	2531.01	DFT-s-OFDM 16 QAM	1@187	24.02	21.92	0.1556
41	30	70	506202	2531.01	DFT-s-OFDM 64 QAM	90@45	22.97	20.87	0.1222
41	30	70	506202	2531.01	DFT-s-OFDM 64 QAM	1@1	22.71	20.61	0.1151
41	30	70	506202	2531.01	DFT-s-OFDM 64 QAM	1@187	22.77	20.67	0.1167

41	30	70	506202	2531.01	DFT-s-OFDM 256 QAM	90@45	20.96	18.86	0.0769
41	30	70	506202	2531.01	DFT-s-OFDM 256 QAM	1@1	20.81	18.71	0.0743
41	30	70	506202	2531.01	DFT-s-OFDM 256 QAM	1@187	20.95	18.85	0.0767
41	30	70	506202	2531.01	CP-OFDM QPSK	95@47	24.04	21.94	0.1563
41	30	70	506202	2531.01	CP-OFDM QPSK	1@1	23.58	21.48	0.1406
41	30	70	506202	2531.01	CP-OFDM QPSK	1@187	23.77	21.67	0.1469
41	30	70	518598	2592.99	DFT-s-OFDM PI/2 BPSK	90@45	25.7	23.6	0.2291
41	30	70	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	25.01	22.91	0.1954
41	30	70	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@187	25.5	23.4	0.2188
41	30	70	518598	2592.99	DFT-s-OFDM QPSK	90@45	25.71	23.61	0.2296
41	30	70	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.2	23.1	0.2042
41	30	70	518598	2592.99	DFT-s-OFDM QPSK	1@187	25.32	23.22	0.2099
41	30	70	518598	2592.99	DFT-s-OFDM 16 QAM	90@45	24.74	22.64	0.1837
41	30	70	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	23.95	21.85	0.1531
41	30	70	518598	2592.99	DFT-s-OFDM 16 QAM	1@187	24.23	22.13	0.1633
41	30	70	518598	2592.99	DFT-s-OFDM 64 QAM	90@45	23.2	21.1	0.1288
41	30	70	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	22.67	20.57	0.1140
41	30	70	518598	2592.99	DFT-s-OFDM 64 QAM	1@187	23.08	20.98	0.1253
41	30	70	518598	2592.99	DFT-s-OFDM 256 QAM	90@45	21.2	19.1	0.0813
41	30	70	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	20.98	18.88	0.0773
41	30	70	518598	2592.99	DFT-s-OFDM 256 QAM	1@187	21.33	19.23	0.0838
41	30	70	518598	2592.99	CP-OFDM QPSK	95@47	24.28	22.18	0.1652
41	30	70	518598	2592.99	CP-OFDM QPSK	1@1	23.47	21.37	0.1371
41	30	70	518598	2592.99	CP-OFDM QPSK	1@187	23.99	21.89	0.1545
41	30	70	531000	2655	DFT-s-OFDM PI/2 BPSK	90@45	25.67	23.57	0.2275
41	30	70	531000	2655	DFT-s-OFDM PI/2 BPSK	1@1	25.05	22.95	0.1972
41	30	70	531000	2655	DFT-s-OFDM PI/2 BPSK	1@187	25.48	23.38	0.2178
41	30	70	531000	2655	DFT-s-OFDM QPSK	90@45	25.68	23.58	0.2280
41	30	70	531000	2655	DFT-s-OFDM QPSK	1@1	25.17	23.07	0.2028
41	30	70	531000	2655	DFT-s-OFDM QPSK	1@187	25.56	23.46	0.2218
41	30	70	531000	2655	DFT-s-OFDM 16 QAM	90@45	24.69	22.59	0.1816
41	30	70	531000	2655	DFT-s-OFDM 16 QAM	1@1	23.89	21.79	0.1510
41	30	70	531000	2655	DFT-s-OFDM 16 QAM	1@187	24.3	22.2	0.1660
41	30	70	531000	2655	DFT-s-OFDM 64 QAM	90@45	23.17	21.07	0.1279
41	30	70	531000	2655	DFT-s-OFDM 64 QAM	1@1	22.59	20.49	0.1119
41	30	70	531000	2655	DFT-s-OFDM 64 QAM	1@187	23	20.9	0.1230

41	30	70	531000	2655	DFT-s-OFDM 256 QAM	90@45	21.16	19.06	0.0805
41	30	70	531000	2655	DFT-s-OFDM 256 QAM	1@1	20.93	18.83	0.0764
41	30	70	531000	2655	DFT-s-OFDM 256 QAM	1@187	21.47	19.37	0.0865
41	30	70	531000	2655	CP-OFDM QPSK	95@47	24.19	22.09	0.1618
41	30	70	531000	2655	CP-OFDM QPSK	1@1	23.58	21.48	0.1406
41	30	70	531000	2655	CP-OFDM QPSK	1@187	24.04	21.94	0.1563
41	30	80	507204	2536.02	DFT-s-OFDM PI/2 BPSK	108@54	25.5	23.4	0.2188
41	30	80	507204	2536.02	DFT-s-OFDM PI/2 BPSK	1@1	24.86	22.76	0.1888
41	30	80	507204	2536.02	DFT-s-OFDM PI/2 BPSK	1@215	25.07	22.97	0.1982
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	108@54	25.5	23.4	0.2188
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	1@1	24.93	22.83	0.1919
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	1@215	25.16	23.06	0.2023
41	30	80	507204	2536.02	DFT-s-OFDM 16 QAM	108@54	24.5	22.4	0.1738
41	30	80	507204	2536.02	DFT-s-OFDM 16 QAM	1@1	23.68	21.58	0.1439
41	30	80	507204	2536.02	DFT-s-OFDM 16 QAM	1@215	23.87	21.77	0.1503
41	30	80	507204	2536.02	DFT-s-OFDM 64 QAM	108@54	23.02	20.92	0.1236
41	30	80	507204	2536.02	DFT-s-OFDM 64 QAM	1@1	22.65	20.55	0.1135
41	30	80	507204	2536.02	DFT-s-OFDM 64 QAM	1@215	22.65	20.55	0.1135
41	30	80	507204	2536.02	DFT-s-OFDM 256 QAM	108@54	21.02	18.92	0.0780
41	30	80	507204	2536.02	DFT-s-OFDM 256 QAM	1@1	20.67	18.57	0.0719
41	30	80	507204	2536.02	DFT-s-OFDM 256 QAM	1@215	20.83	18.73	0.0746
41	30	80	507204	2536.02	CP-OFDM QPSK	109@54	23.98	21.88	0.1542
41	30	80	507204	2536.02	CP-OFDM QPSK	1@1	23.44	21.34	0.1361
41	30	80	507204	2536.02	CP-OFDM QPSK	1@215	23.61	21.51	0.1416
41	30	80	518598	2592.99	DFT-s-OFDM PI/2 BPSK	108@54	25.71	23.61	0.2296
41	30	80	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	24.86	22.76	0.1888
41	30	80	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@215	25.44	23.34	0.2158
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	108@54	25.72	23.62	0.2301
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	1@1	24.85	22.75	0.1884
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	1@215	25.49	23.39	0.2183
41	30	80	518598	2592.99	DFT-s-OFDM 16 QAM	108@54	24.77	22.67	0.1849
41	30	80	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	23.57	21.47	0.1403
41	30	80	518598	2592.99	DFT-s-OFDM 16 QAM	1@215	24.24	22.14	0.1637
41	30	80	518598	2592.99	DFT-s-OFDM 64 QAM	108@54	23.21	21.11	0.1291
41	30	80	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	22.3	20.2	0.1047
41	30	80	518598	2592.99	DFT-s-OFDM 64 QAM	1@215	22.9	20.8	0.1202

41	30	80	518598	2592.99	DFT-s-OFDM 256 QAM	108@54	21.25	19.15	0.0822
41	30	80	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	20.25	18.15	0.0653
41	30	80	518598	2592.99	DFT-s-OFDM 256 QAM	1@215	20.84	18.74	0.0748
41	30	80	518598	2592.99	CP-OFDM QPSK	109@54	24.28	22.18	0.1652
41	30	80	518598	2592.99	CP-OFDM QPSK	1@1	23.36	21.26	0.1337
41	30	80	518598	2592.99	CP-OFDM QPSK	1@215	23.94	21.84	0.1528
41	30	80	529998	2649.99	DFT-s-OFDM PI/2 BPSK	108@54	25.69	23.59	0.2286
41	30	80	529998	2649.99	DFT-s-OFDM PI/2 BPSK	1@1	24.87	22.77	0.1892
41	30	80	529998	2649.99	DFT-s-OFDM PI/2 BPSK	1@215	25.43	23.33	0.2153
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	108@54	25.7	23.6	0.2291
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	1@1	24.92	22.82	0.1914
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	1@215	25.54	23.44	0.2208
41	30	80	529998	2649.99	DFT-s-OFDM 16 QAM	108@54	24.7	22.6	0.1820
41	30	80	529998	2649.99	DFT-s-OFDM 16 QAM	1@1	23.58	21.48	0.1406
41	30	80	529998	2649.99	DFT-s-OFDM 16 QAM	1@215	24.14	22.04	0.1600
41	30	80	529998	2649.99	DFT-s-OFDM 64 QAM	108@54	23.23	21.13	0.1297
41	30	80	529998	2649.99	DFT-s-OFDM 64 QAM	1@1	22.44	20.34	0.1081
41	30	80	529998	2649.99	DFT-s-OFDM 64 QAM	1@215	22.93	20.83	0.1211
41	30	80	529998	2649.99	DFT-s-OFDM 256 QAM	108@54	21.22	19.12	0.0817
41	30	80	529998	2649.99	DFT-s-OFDM 256 QAM	1@1	20.63	18.53	0.0713
41	30	80	529998	2649.99	DFT-s-OFDM 256 QAM	1@215	21.23	19.13	0.0818
41	30	80	529998	2649.99	CP-OFDM QPSK	109@54	24.17	22.07	0.1611
41	30	80	529998	2649.99	CP-OFDM QPSK	1@1	23.38	21.28	0.1343
41	30	80	529998	2649.99	CP-OFDM QPSK	1@215	24.07	21.97	0.1574
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	135@67	24.95	22.85	0.1928
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	1@1	24.13	22.03	0.1596
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	1@271	24.65	22.55	0.1799
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	135@67	25.18	23.08	0.2032
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@1	24.21	22.11	0.1626
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@271	24.69	22.59	0.1816
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	135@67	24.26	22.16	0.1644
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@1	23.2	21.1	0.1288
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@271	23.67	21.57	0.1435
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	135@67	22.79	20.69	0.1172
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@1	21.9	19.8	0.0955
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@271	22.35	20.25	0.1059

41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	135@67	20.84	18.74	0.0748
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@1	20.29	18.19	0.0659
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@271	20.68	18.58	0.0721
41	30	100	509202	2546.01	CP-OFDM QPSK	137@68	23.86	21.76	0.1500
41	30	100	509202	2546.01	CP-OFDM QPSK	1@1	22.89	20.79	0.1199
41	30	100	509202	2546.01	CP-OFDM QPSK	1@271	23.27	21.17	0.1309
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	135@67	25.47	23.37	0.2173
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	24.29	22.19	0.1656
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@271	24.95	22.85	0.1928
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	135@67	25.48	23.38	0.2178
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@1	24.24	22.14	0.1637
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@271	24.88	22.78	0.1897
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	135@67	24.54	22.44	0.1754
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	23.04	20.94	0.1242
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@271	23.72	21.62	0.1452
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	135@67	23	20.9	0.1230
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	21.77	19.67	0.0927
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@271	22.44	20.34	0.1081
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	135@67	21.06	18.96	0.0787
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	20.09	17.99	0.0630
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@271	20.76	18.66	0.0735
41	30	100	518598	2592.99	CP-OFDM QPSK	137@68	24.09	21.99	0.1581
41	30	100	518598	2592.99	CP-OFDM QPSK	1@1	22.8	20.7	0.1175
41	30	100	518598	2592.99	CP-OFDM QPSK	1@271	23.45	21.35	0.1365
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	135@67	25.5	23.4	0.2188
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	1@1	24.39	22.29	0.1694
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	1@271	25.01	22.91	0.1954
41	30	100	528000	2640	DFT-s-OFDM QPSK	135@67	25.49	23.39	0.2183
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@1	24.4	22.3	0.1698
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@271	25.04	22.94	0.1968
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	135@67	24.52	22.42	0.1746
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@1	23.36	21.26	0.1337
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@271	23.98	21.88	0.1542
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	135@67	23.08	20.98	0.1253
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@1	21.91	19.81	0.0957
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@271	22.6	20.5	0.1122

41	30	100	528000	2640	DFT-s-OFDM 256 QAM	135@67	21.08	18.98	0.0791
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@1	20.16	18.06	0.0640
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@271	20.84	18.74	0.0748
41	30	100	528000	2640	CP-OFDM QPSK	137@68	24.06	21.96	0.1570
41	30	100	528000	2640	CP-OFDM QPSK	1@1	22.94	20.84	0.1213
41	30	100	528000	2640	CP-OFDM QPSK	1@271	23.53	21.43	0.1390

Frequency Stability

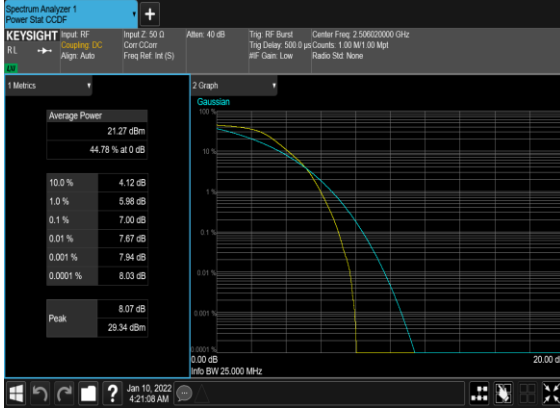
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0202	PASS	NV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0235	PASS	LV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0023	PASS	HV
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0319	PASS	-30°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0686	PASS	-20°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0276	PASS	-10°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0227	PASS	0°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0401	PASS	10°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0433	PASS	20°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0565	PASS	30°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0351	PASS	40°C
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	0.0567	PASS	50°C

Remark: Frequency Stability: Normal Voltage = 3.8V ; Low Voltage =3.6V.; High Voltage =4.4V

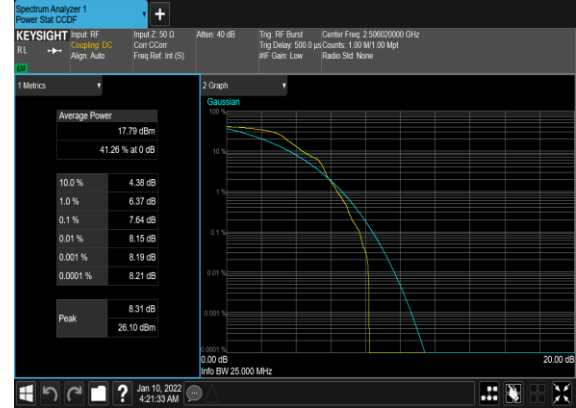
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
41	30	20	501204	2506.02	DFT-s-OFDM PI/2 BPSK	50@0	7.0	13	PASS
41	30	20	501204	2506.02	DFT-s-OFDM PI/2 BPSK	1@0	7.64	13	PASS
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	50@0	7.96	13	PASS
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@0	8.21	13	PASS
41	30	20	518598	2592.99	DFT-s-OFDM PI/2 BPSK	50@0	6.94	13	PASS
41	30	20	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@0	7.48	13	PASS
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	7.93	13	PASS
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@0	8.39	13	PASS
41	30	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	50@0	6.98	13	PASS
41	30	20	535998	2679.99	DFT-s-OFDM PI/2 BPSK	1@0	7.48	13	PASS
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	50@0	8.01	13	PASS
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@0	8.38	13	PASS

N41(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



N41(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



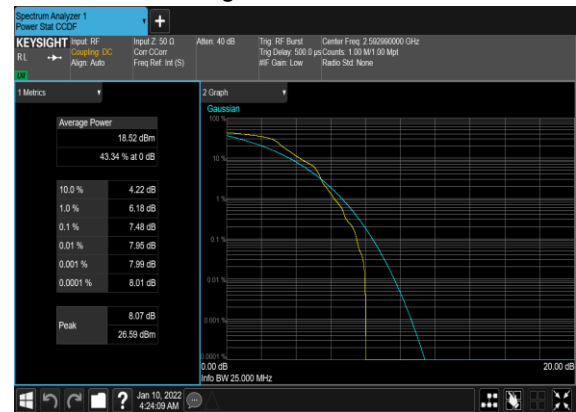
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



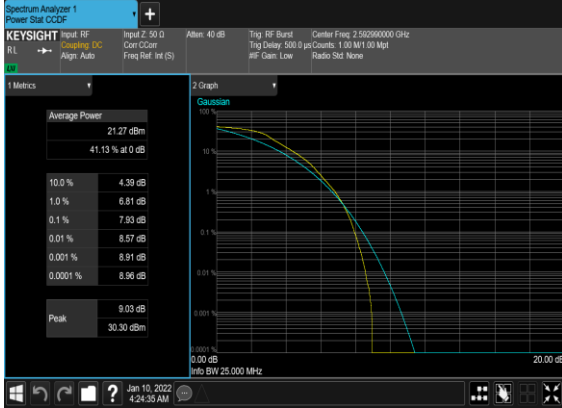
N41(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



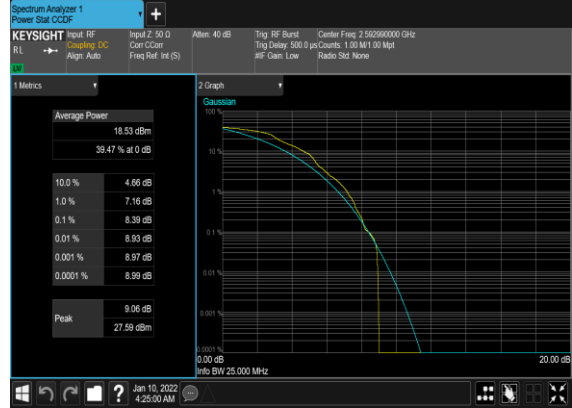
N41(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



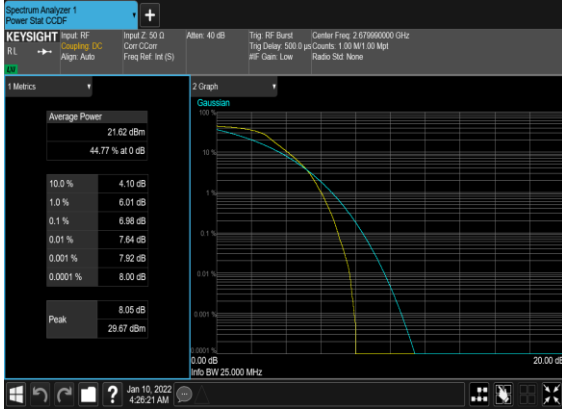
N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



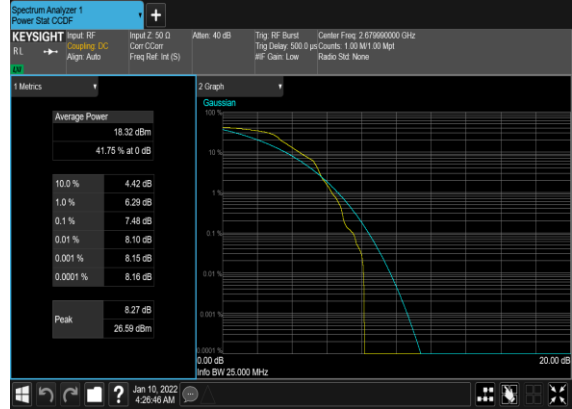
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N41(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



N41(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



N41(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
41	30	10	518598	2592.99	DFT-s-OFDM PI/2 BPSK	24@0	8.5634	9.326
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	24@0	8.5572	9.259
41	30	10	518598	2592.99	CP-OFDM QPSK	24@0	8.5862	9.652
41	30	10	518598	2592.99	CP-OFDM 16 QAM	24@0	8.5728	9.401
41	30	10	518598	2592.99	CP-OFDM 64 QAM	24@0	8.5774	9.426
41	30	10	518598	2592.99	CP-OFDM 256 QAM	24@0	8.5895	9.329
41	30	15	518598	2592.99	DFT-s-OFDM PI/2 BPSK	36@0	12.831	13.82
41	30	15	518598	2592.99	DFT-s-OFDM QPSK	36@0	12.859	13.89
41	30	15	518598	2592.99	CP-OFDM QPSK	38@0	13.57	14.43
41	30	15	518598	2592.99	CP-OFDM 16 QAM	38@0	13.571	14.64
41	30	15	518598	2592.99	CP-OFDM 64 QAM	38@0	13.563	14.68
41	30	15	518598	2592.99	CP-OFDM 256 QAM	38@0	13.581	16.45
41	30	20	518598	2592.99	DFT-s-OFDM PI/2 BPSK	50@0	17.821	19.09
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	50@0	17.86	18.95
41	30	20	518598	2592.99	CP-OFDM QPSK	51@0	18.186	19.62
41	30	20	518598	2592.99	CP-OFDM 16 QAM	51@0	18.186	19.28
41	30	20	518598	2592.99	CP-OFDM 64 QAM	51@0	18.197	19.23
41	30	20	518598	2592.99	CP-OFDM 256 QAM	51@0	18.185	19.26
41	30	30	518598	2592.99	DFT-s-OFDM PI/2 BPSK	75@0	26.701	28.32
41	30	30	518598	2592.99	DFT-s-OFDM QPSK	75@0	26.754	28.47
41	30	30	518598	2592.99	CP-OFDM QPSK	78@0	27.815	29.25
41	30	30	518598	2592.99	CP-OFDM 16 QAM	78@0	27.821	29.46
41	30	30	518598	2592.99	CP-OFDM 64 QAM	78@0	27.894	29.09
41	30	30	518598	2592.99	CP-OFDM 256 QAM	78@0	27.847	29.24
41	30	40	518598	2592.99	DFT-s-OFDM PI/2 BPSK	100@0	35.71	37.68

41	30	40	518598	2592.99	DFT-s-OFDM QPSK	100@0	35.732	38.15
41	30	40	518598	2592.99	CP-OFDM QPSK	106@0	37.765	39.29
41	30	40	518598	2592.99	CP-OFDM 16 QAM	106@0	37.857	39.42
41	30	40	518598	2592.99	CP-OFDM 64 QAM	106@0	37.86	39.27
41	30	40	518598	2592.99	CP-OFDM 256 QAM	106@0	37.792	39.67
41	30	50	518598	2592.99	DFT-s-OFDM PI/2 BPSK	128@0	45.736	47.72
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	128@0	45.683	47.81
41	30	50	518598	2592.99	CP-OFDM QPSK	133@0	47.415	49.5
41	30	50	518598	2592.99	CP-OFDM 16 QAM	133@0	47.45	49.6
41	30	50	518598	2592.99	CP-OFDM 64 QAM	133@0	47.397	49.32
41	30	50	518598	2592.99	CP-OFDM 256 QAM	133@0	47.281	49.31
41	30	60	518598	2592.99	DFT-s-OFDM PI/2 BPSK	162@0	57.812	59.8
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	162@0	57.831	59.79
41	30	60	518598	2592.99	CP-OFDM QPSK	162@0	57.717	59.92
41	30	60	518598	2592.99	CP-OFDM 16 QAM	162@0	57.704	61.89
41	30	60	518598	2592.99	CP-OFDM 64 QAM	162@0	57.786	59.94
41	30	60	518598	2592.99	CP-OFDM 256 QAM	162@0	57.793	59.9
41	30	70	518598	2592.99	DFT-s-OFDM PI/2 BPSK	180@0	64.363	66.85
41	30	70	518598	2592.99	DFT-s-OFDM QPSK	180@0	64.482	67.02
41	30	70	518598	2592.99	CP-OFDM QPSK	189@0	67.442	69.67
41	30	70	518598	2592.99	CP-OFDM 16 QAM	189@0	67.414	70.3
41	30	70	518598	2592.99	CP-OFDM 64 QAM	189@0	67.356	70.25
41	30	70	518598	2592.99	CP-OFDM 256 QAM	189@0	67.56	70.15
41	30	80	518598	2592.99	DFT-s-OFDM PI/2 BPSK	216@0	77.147	79.63
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	216@0	77.183	79.86
41	30	80	518598	2592.99	CP-OFDM QPSK	217@0	77.39	80.09
41	30	80	518598	2592.99	CP-OFDM 16 QAM	217@0	77.416	80.61

41	30	80	518598	2592.99	CP-OFDM 64 QAM	217@0	77.384	80.15
41	30	80	518598	2592.99	CP-OFDM 256 QAM	217@0	77.315	80.22
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	270@0	95.973	99.39
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	270@0	96.173	99.4
41	30	100	518598	2592.99	CP-OFDM QPSK	273@0	97.163	100.6
41	30	100	518598	2592.99	CP-OFDM 16 QAM	273@0	97.099	100.4
41	30	100	518598	2592.99	CP-OFDM 64 QAM	273@0	97.141	100.6
41	30	100	518598	2592.99	CP-OFDM 256 QAM	273@0	97.234	100.6

N41(10M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N41(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



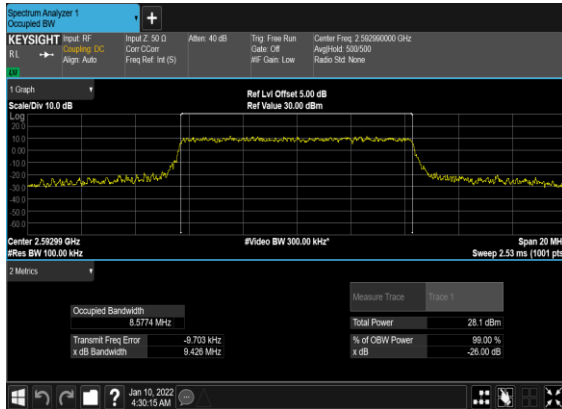
N41(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



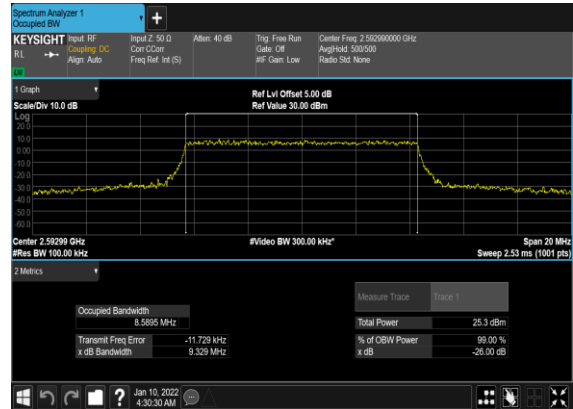
N41(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N41(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



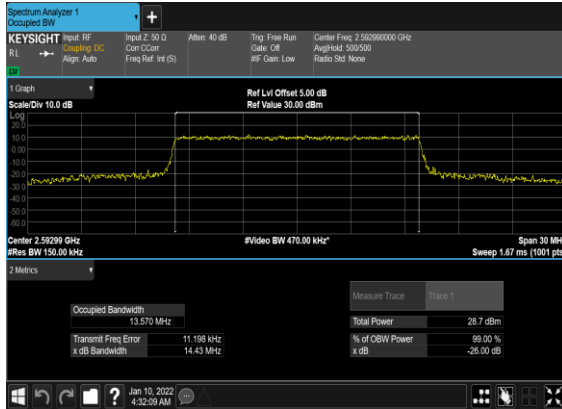
N41(15M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



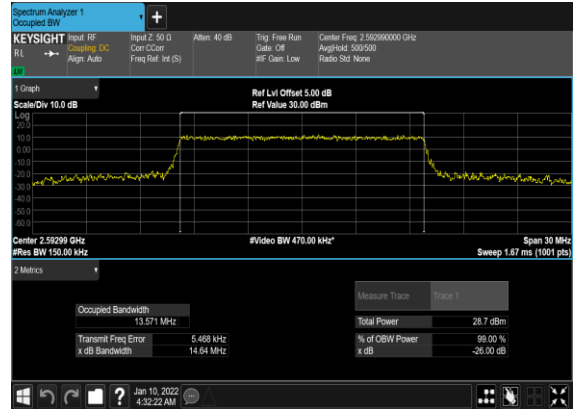
N41(15M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



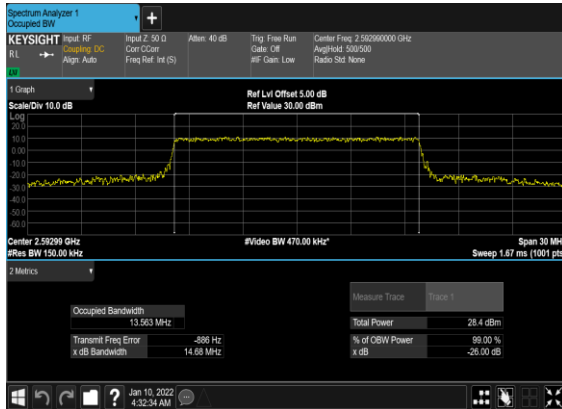
N41(15M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



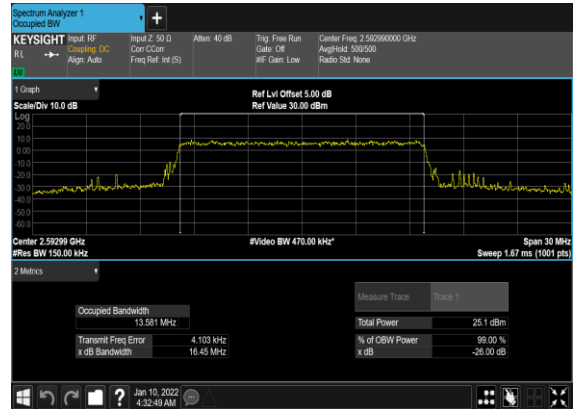
N41(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N41(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N41(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



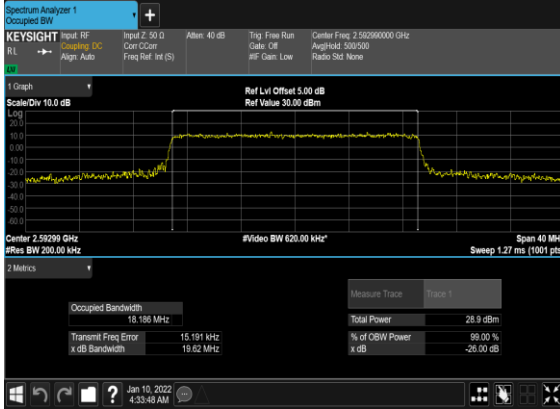
N41(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N41(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



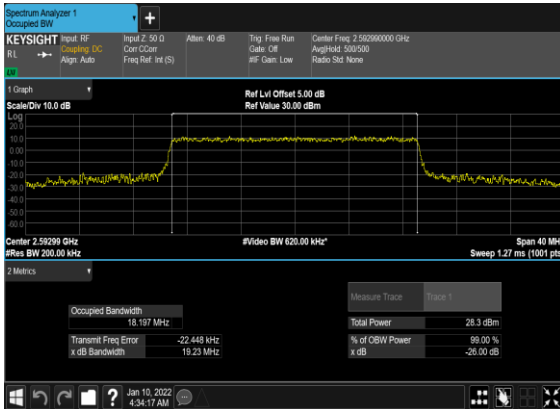
N41(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



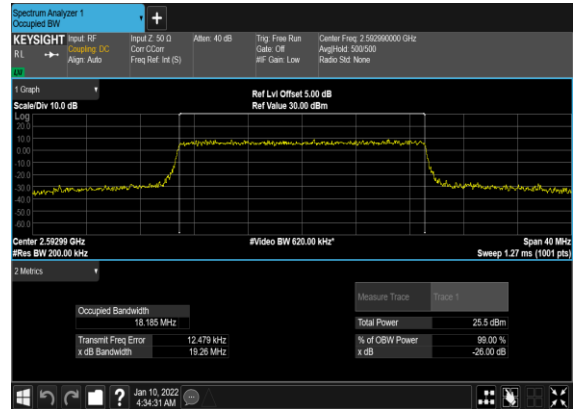
N41(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N41(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



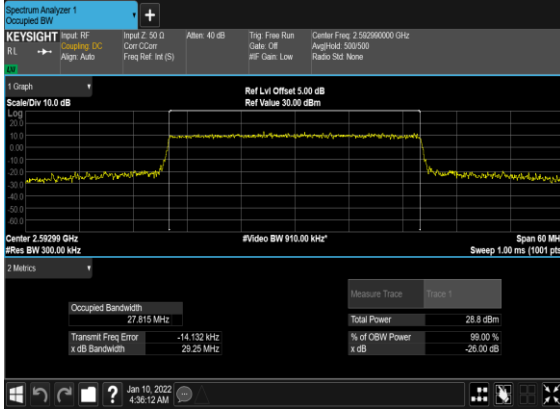
N41(30M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N41(30M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



N41(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



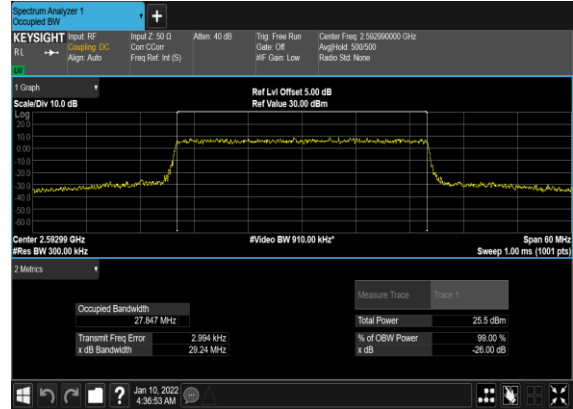
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QAM_Outer_Full_Mid_CH



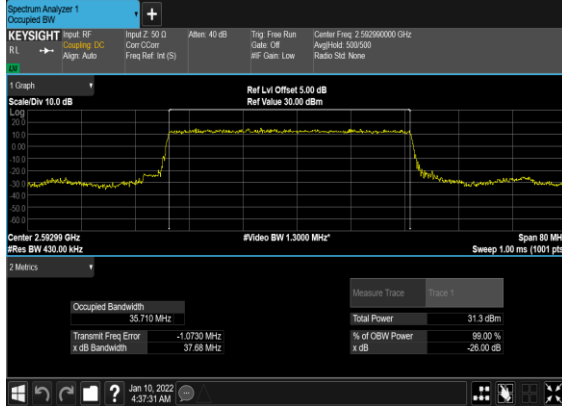
N41(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



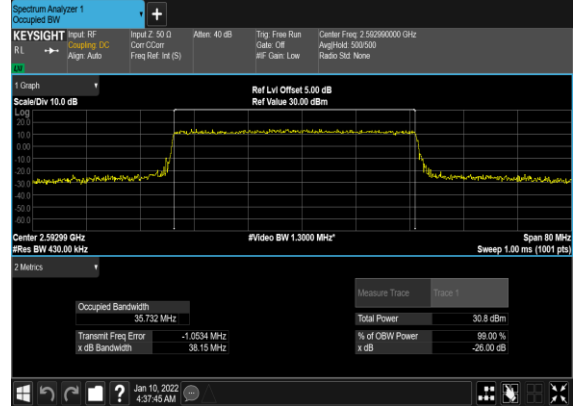
N41(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



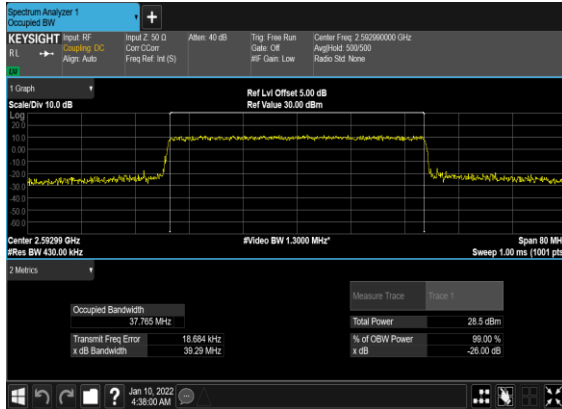
N41(40M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



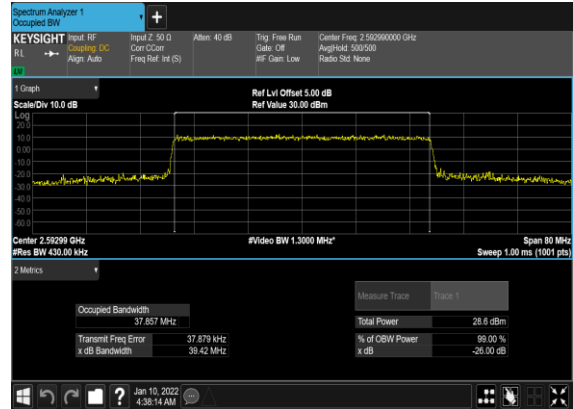
N41(40M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



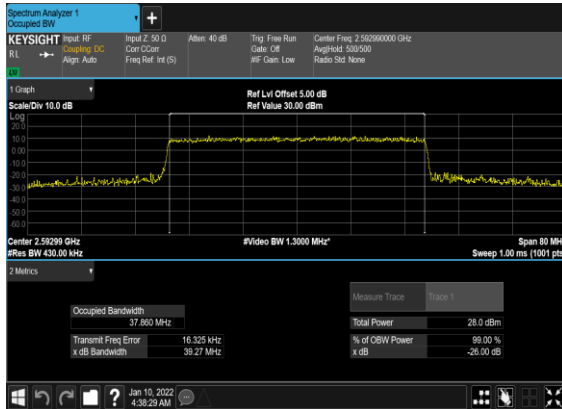
N41(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



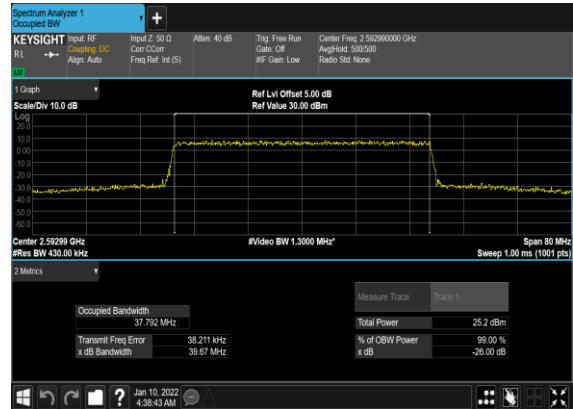
N41(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



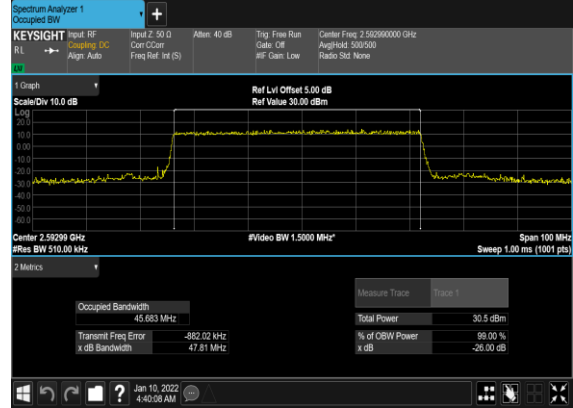
N41(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



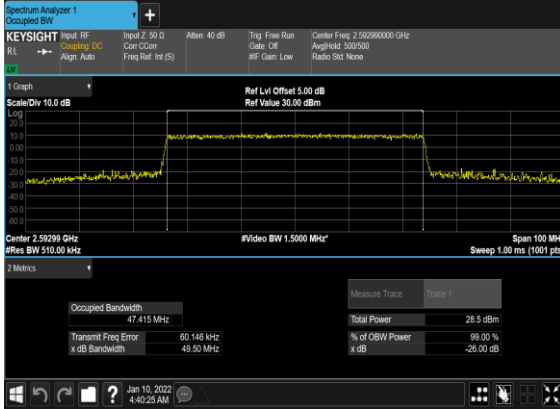
N41(50M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



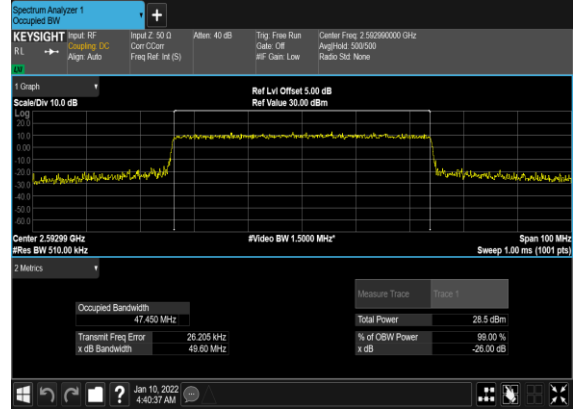
N41(50M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



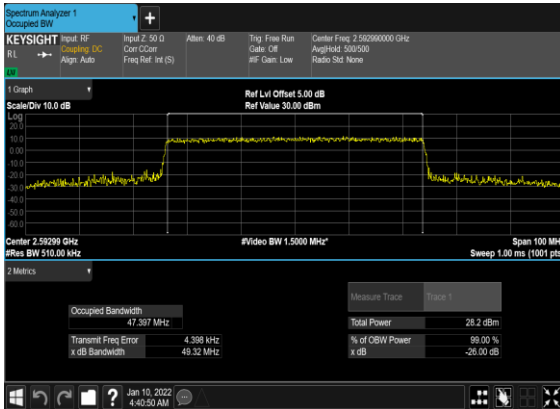
N41(50M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



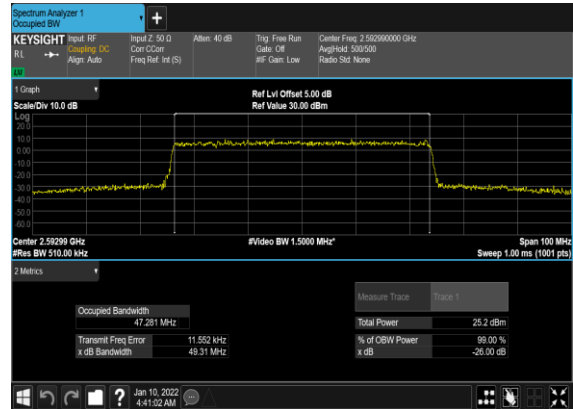
N41(50M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



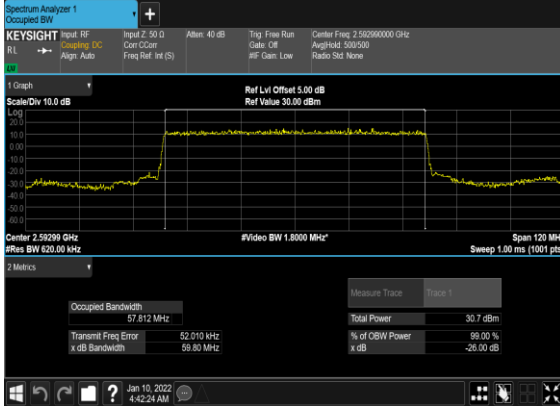
N41(50M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



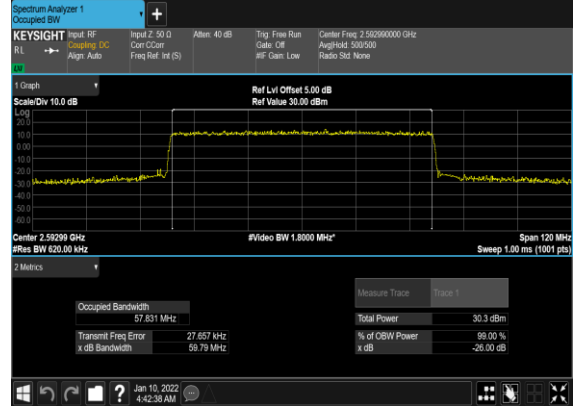
N41(50M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



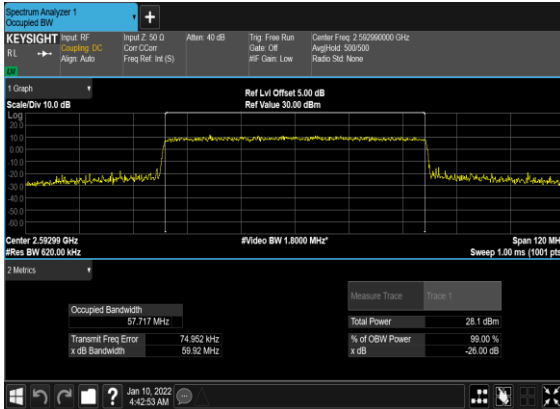
N41(60M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



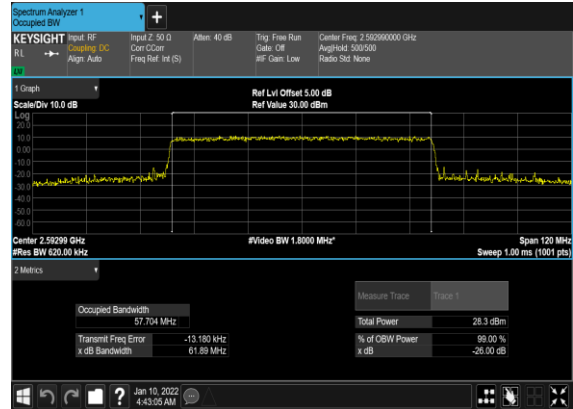
N41(60M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



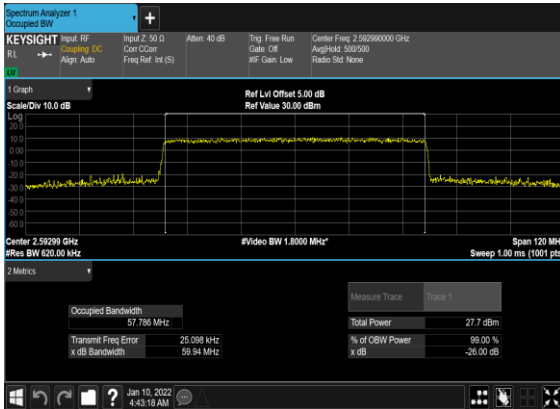
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OFDM_QPSK_Outer_Full_Mid_CH



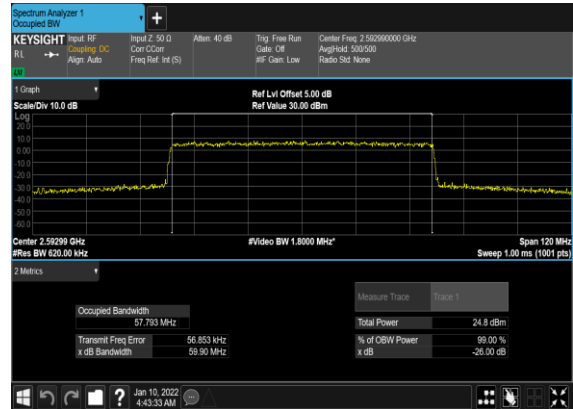
N41(60M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



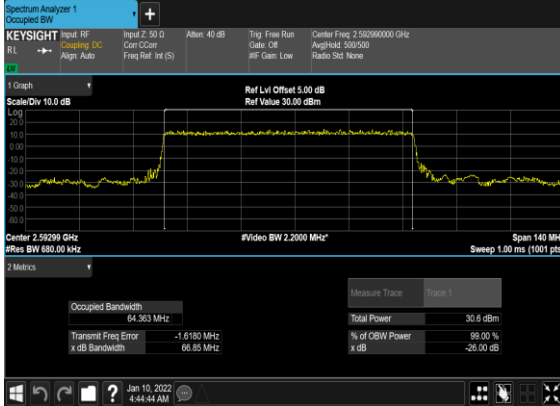
N41(60M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



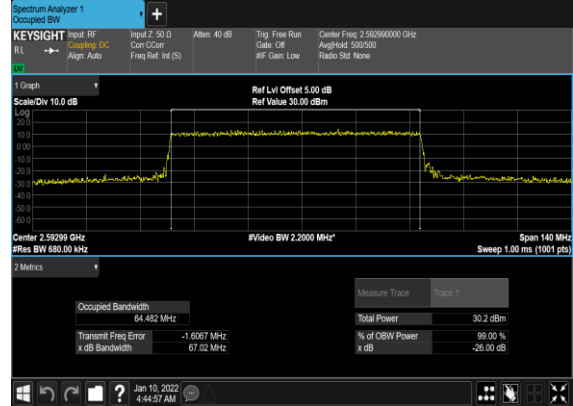
N41(60M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



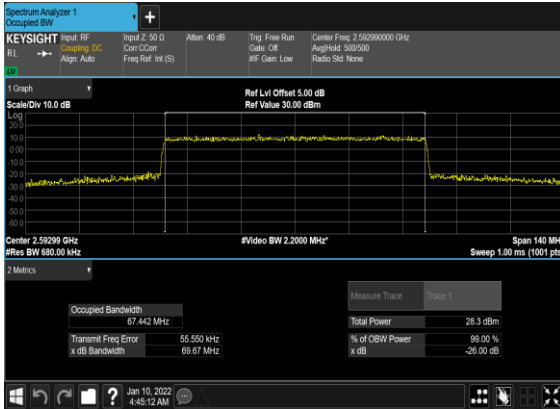
N41(70M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



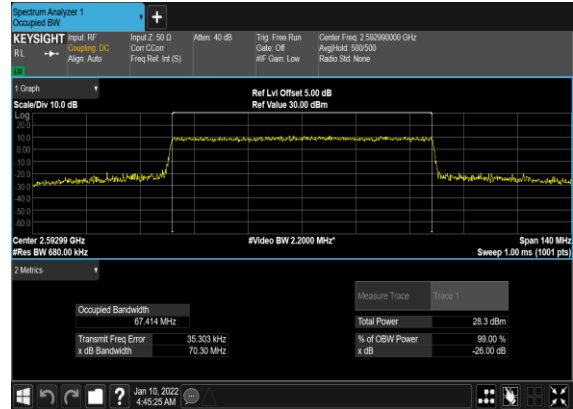
N41(70M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



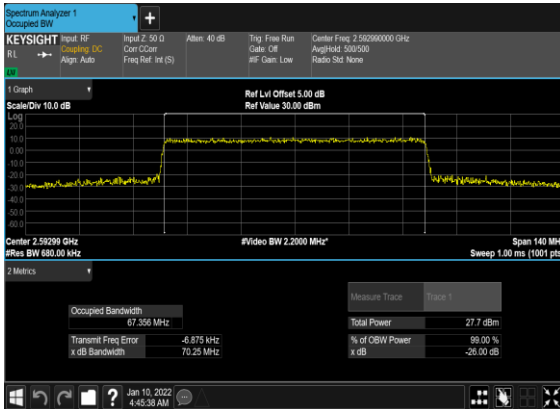
N41(70M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



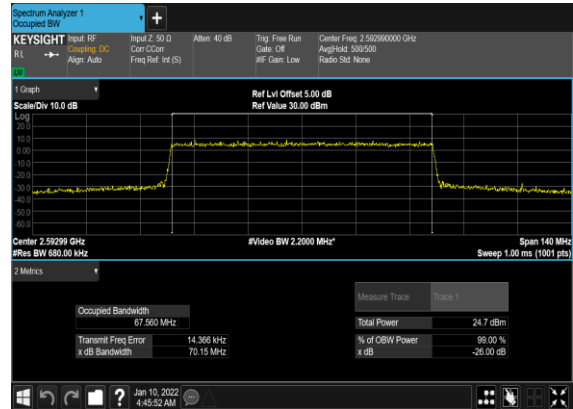
N41(70M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



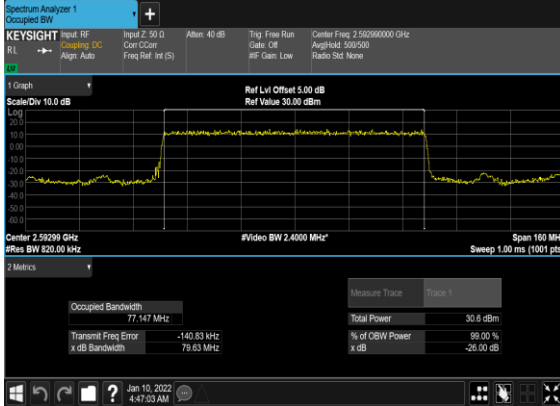
N41(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



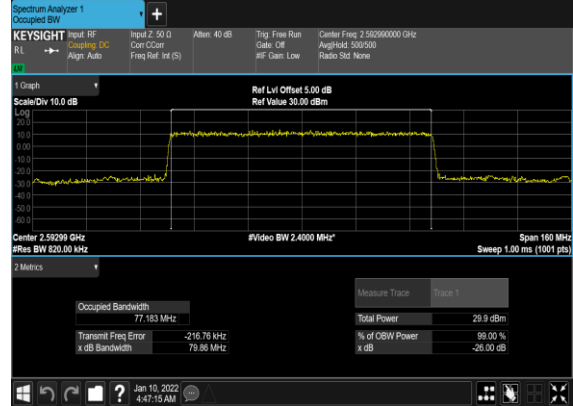
N41(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



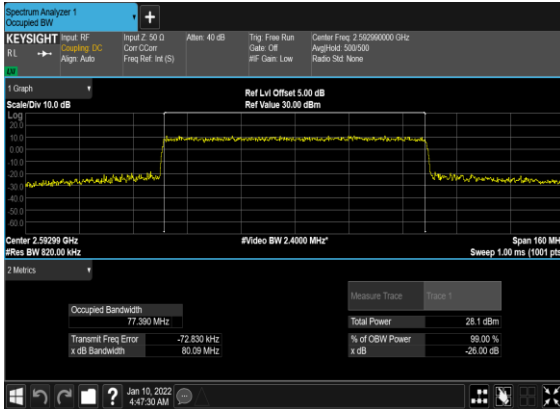
N41(80M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



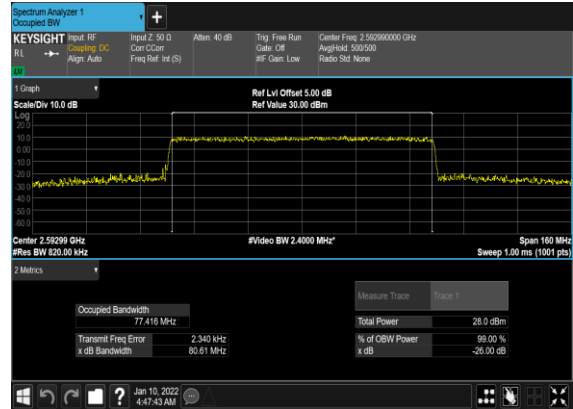
N41(80M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



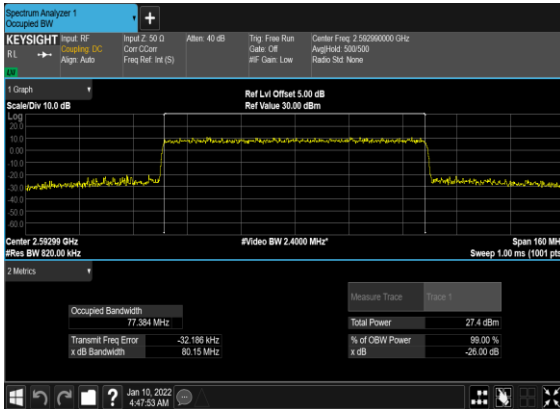
N41(80M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



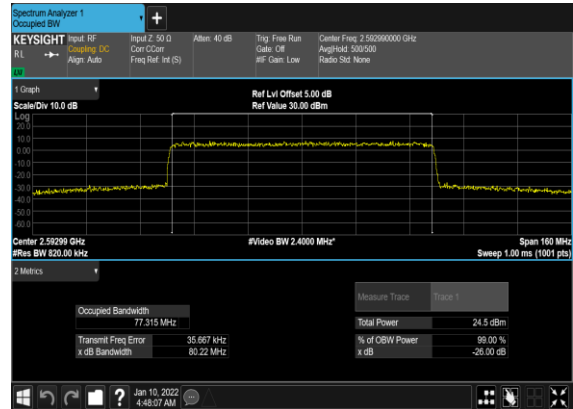
N41(80M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



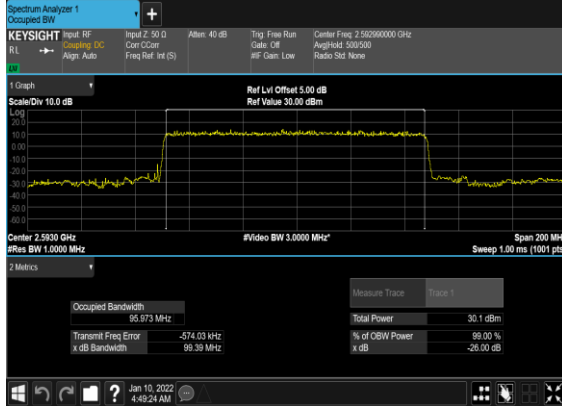
N41(80M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



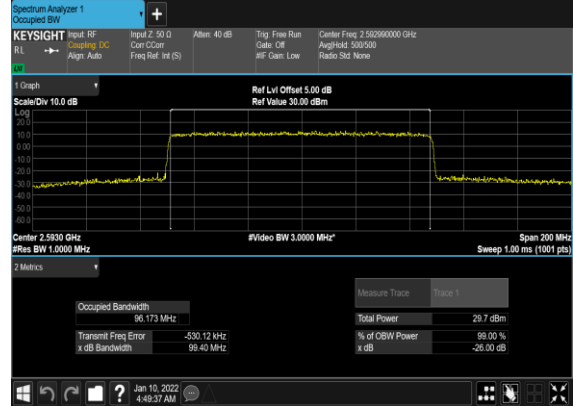
N41(80M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



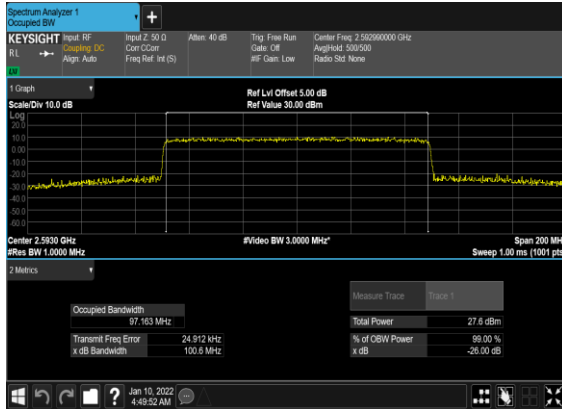
N41(100M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N41(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



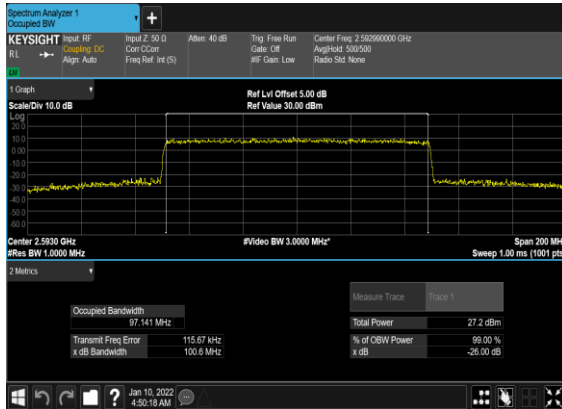
N41(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



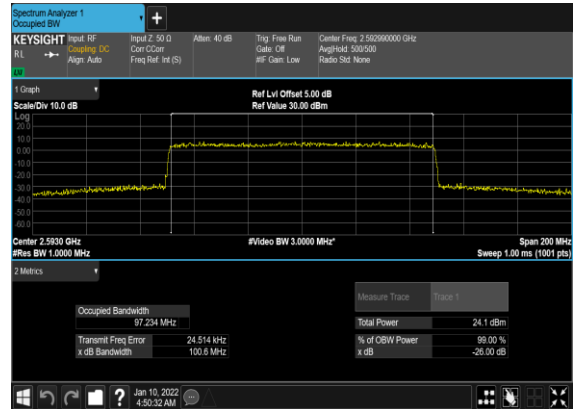
N41(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N41(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	10	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	---

41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	50	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	---

41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	---
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	---
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



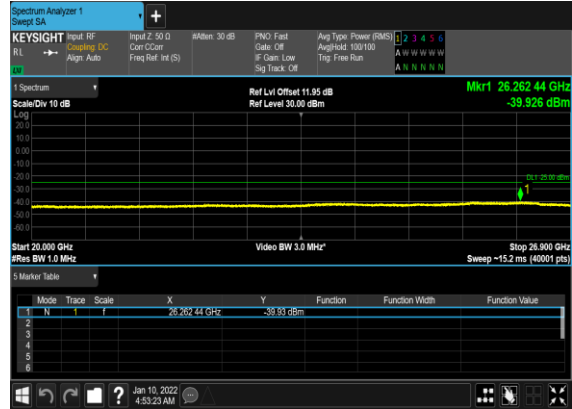
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



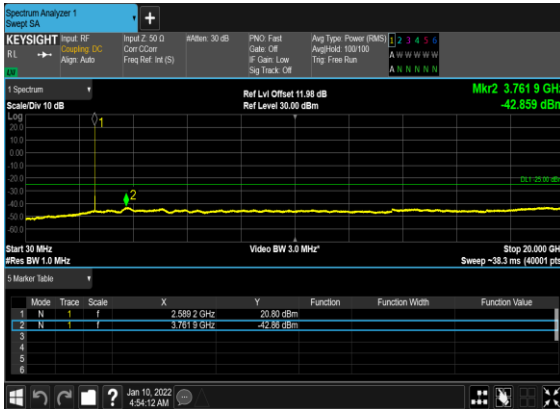
N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



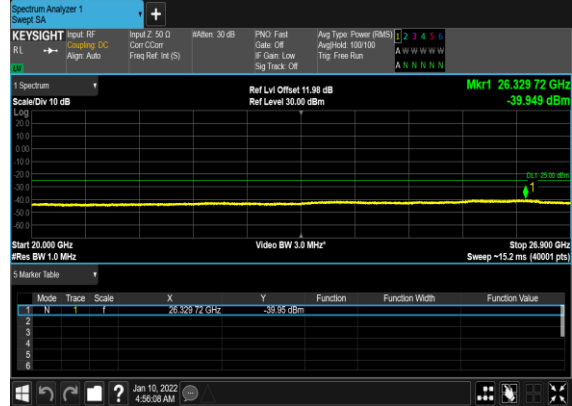
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



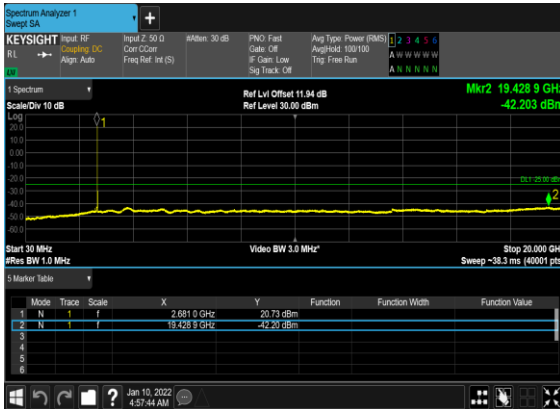
N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



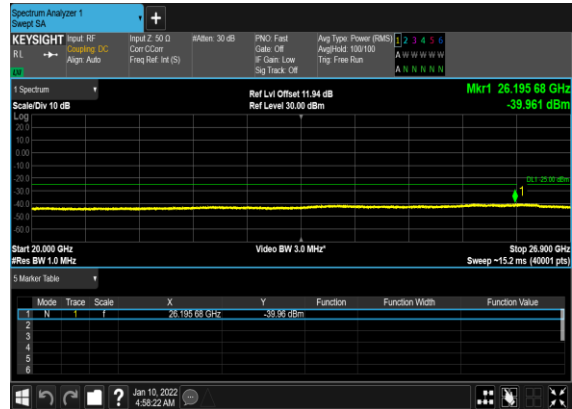
N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



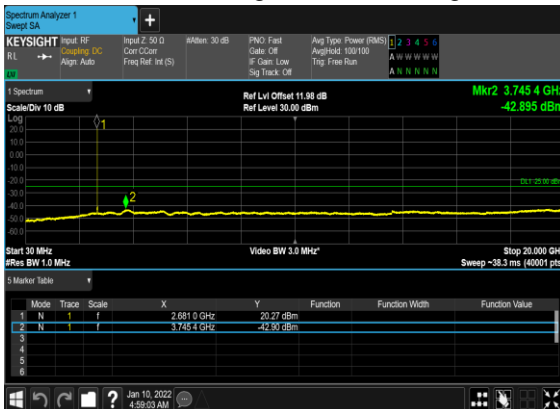
N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



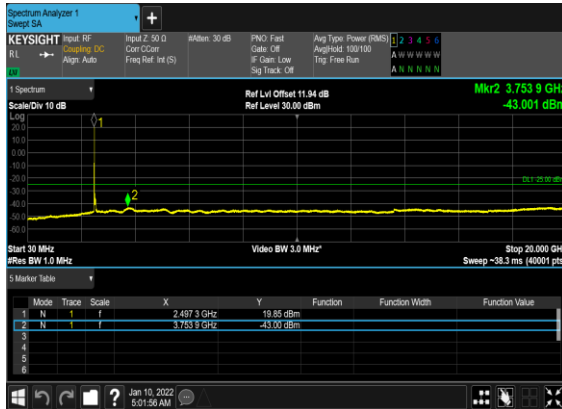
N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



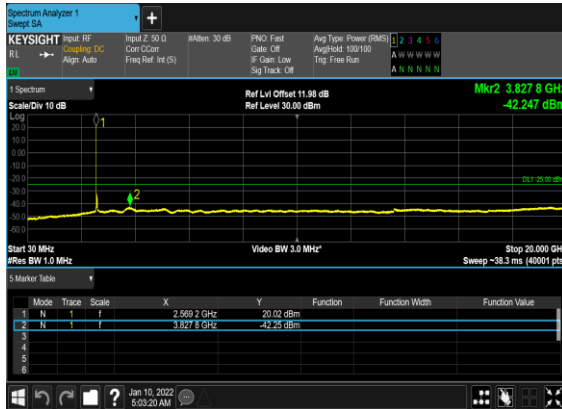
N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N41(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

