FCC RF Test Report

APPLICANT	: Motorola Mobility LLC
EQUIPMENT	: Mobile Cellular Phone
BRAND NAME	: Motorola
MODEL NAME	: XT2225-1
FCC ID	: IHDT56AE5
STANDARD	: 47 CFR Part 2, Part 27 Subpart Q
CLASSIFICATION	: PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	: Feb. 04, 2022 ~ Mar. 05, 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.

Jason Jia

Reviewed by: Jason Jia / Supervisor

Alex Wang

Approved by: Alex Wang / Manager

ACCREDITED Cert #5145.02

Sporton International Inc. (Kunshan)

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People's Republic of China

TABLE OF CONTENTS

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG212701I	Rev. 01	Initial issue of report	Mar. 21, 2022

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
3.5	§27.50 (k)(4)	Peak-to-Average Ratio	<13dB	PASS	-
3.6	§27.50 (k)(3)	EIRP	EIRP < 1W (30dBm)	PASS	-
3.7	§2.1049	Occupied Bandwidth	-	Report Only	-
3.8	§2.1051 §27.53 (n)(2)	Conducted Band Edge Measurement	-13dBm/MHz	PASS	-
3.9	§2.1051 §27.53 (n)(2)	Conducted Spurious Emission	-13dBm/MHz	PASS	-
3.10	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within the band	PASS	-
4.4	§2.1053 §27.53 (n)(2)	Radiated Spurious Emission	-13dBm/MHz	PASS	Under limit 30.00 dB at 10356.000 MHz

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

1 General Description

1.1 Applicant

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	XT2225-1
FCC ID	IHDT56AE5
IMEI Code	Conducted : 350714860021197 Radiation : 357895300018167
HW Version	DVT2
SW Version	S1SU32.41
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Product Feature	
Tx/Rx Frequency	5G NR n77: 3450 MHz ~ 3550 MHz 5G NR n78: 3450 MHz ~ 3550 MHz
Bandwidth	20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz
SCS	30kHz
Maximum Output Power to Antenna	**<Ant. 2>** 5G NR n77 : 24.41 dBm 5G NR n78 : 26.99 dBm
Antenna Gain	**<Ant. 2>** 5G NR n77 : -0.5 dBi 5G NR n78 : -0.5 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. 5G NR n78 supports SA and NSA mode, n77 supports NSA mode only. According to the maximum power between SA and NSA mode, NSA covers SA mode and 5G NR n78 covers 5G NR n77.
2. The EN-DC mode combination: DC_41A_n77A, DC_2A_n78A, DC_4A_n78A, DC_5A_n78A,

DC_7A_n78A, DC_38A_n78A, DC_41A_n78A, DC_66A_n78A.

3. The device supports HPUE mode for 5G NR n78.
4. The device supports n78(1T4R) SRS resources on ant.2/3/6/7, only the test data of worst ant.2 is showed in the report according to the maximum power.

1.5 Modification of EUT

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

1.6 Maximum EIRP Power and Emission Designator

5G NR n78/n77		PI/2 BPSK/QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	3460.02 ~ 3540.00	0.4385	18M2G7D	0.3499	18M2W7D
30	3465.00 ~ 3534.99	0.4426	27M8G7D	0.3491	27M9W7D
40	3470.01 ~ 3529.98	0.4457	37M9G7D	0.3631	37M9W7D
50	3475.02 ~ 3525.00	0.4169	47M4G7D	0.3334	47M5W7D
60	3480.00 ~ 3519.99	0.4276	57M9G7D	0.3499	57M9W7D
70	3485.01 ~ 3514.98	0.4198	67M5G7D	0.3388	67M5W7D
80	3490.02 ~ 3510.00	0.4150	77M4G7D	0.3436	77M6W7D
90	3495.00 ~ 3504.99	0.4046	87M6G7D	0.3319	87M7W7D
100	3500.01	0.3990	97M4G7D	0.3192	97M6W7D

Note:

1. 5G NR Band n78 overlaps the entire frequency range of Band n77. Therefore, the test results of conducted test items provided in this report covers Band n78 as well as Band n77
2. All modulations have been evaluation, only the worst test results of PSK & QAM are shown in the report

1.7 Testing Site

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.**
	03CH02-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.	03CH02-KS	AUDIX	E3	6.2009-8-24a

1.9 Applied Standards

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

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

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

1.10 Specification of Accessory

Specification of Accessory				
AC Adapter 1(US)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-331
AC Adapter 1(EU)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-332
AC Adapter 1(UK)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-333
AC Adapter 1(IN)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-334
AC Adapter 1(AU)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-335
AC Adapter 1(AR)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-336
AC Adapter 1(BR)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-337
AC Adapter 1(CHILE)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-339
AC Adapter 2(US)	**Brand Name**	Motorola (Acbel)	**Model Name**	MC-331
AC Adapter 2(EU)	**Brand Name**	Motorola (Acbel)	**Model Name**	MC-332
AC Adapter 2(UK)	**Brand Name**	Motorola (Acbel)	**Model Name**	MC-333
AC Adapter 3(US)	**Brand Name**	Motorola (Aohai)	**Model Name**	MC-331
AC Adapter 3(EU)	**Brand Name**	Motorola (Aohai)	**Model Name**	MC-332
AC Adapter 3(UK)	**Brand Name**	Motorola (Aohai)	**Model Name**	MC-333
Battery 1	**Brand Name**	Motorola (Sunwoda)	**Model Name**	NE50
Battery 2	**Brand Name**	Motorola (ATL)	**Model Name**	NE50
Earphone 1	**Brand Name**	Motorola (NEW LEADER)	**Model Name**	NLD-EM313A-09SF
Earphone 2	**Brand Name**	Motorola (LYAND ACOUSTIC)	**Model Name**	LYM239-76C-006
Earphone 3	**Brand Name**	Motorola (LYAND ACOUSTIC)	**Model Name**	LYM528-76C-001
Earphone 4	**Brand Name**	Motorola (NEW LEADER)	**Model Name**	NLD-EM313A-19SF
Earphone 5	**Brand Name**	Motorola (LCHSE)	**Model Name**	MH191
Earphone 6	**Brand Name**	Motorola (LYAND)	**Model Name**	MH191
USB Cable 1	**Brand Name**	Motorola (Salbao)	**Model Name**	SHQ-A110A
USB Cable 2	**Brand Name**	Motorola (KINGPOWER)	**Model Name**	K235-07760-H0

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

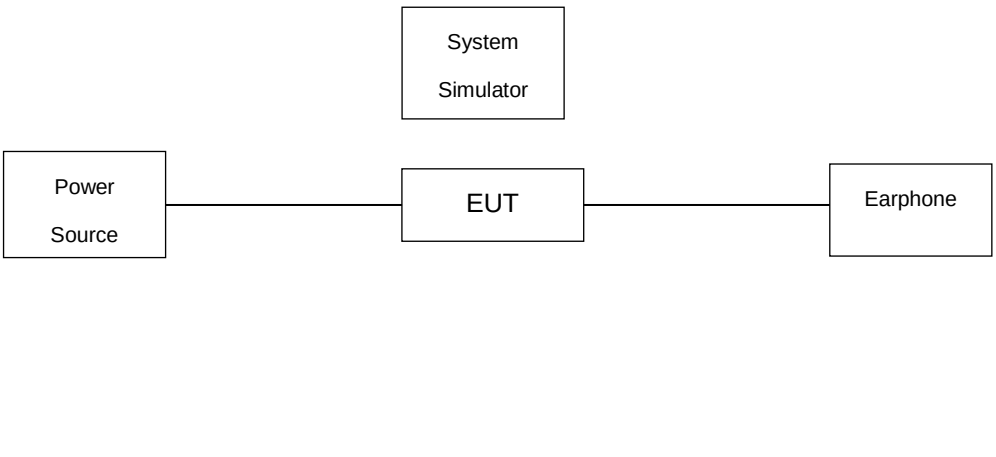
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

Test Cases	Band	Bandwidth (MHz)	Modulation	RB #	Test Channel
		eg. 5M, 10M, 15M, 20M	eg. QPSK, 16QAM, 64QAM	1RB, Partial RB, Full RB	L/M/H
Max. Output Power	5G n77	20M, 30M, 40M, 50M, 60M, 70M, 80M, 90M ,100M	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB, Partial RB, Full RB	L, M, H
	5G n78	20M, 30M, 40M, 50M, 60M, 70M, 80M, 90M ,100M	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB, Partial RB, Full RB	L, M, H
Peak-to-Average Ratio	5G n78	20M	PI/2 BPSK, QPSK	1RB, Full RB	L, M, H
E.I.R.P	5G n77	20M, 30M, 40M, 50M, 60M, 70M, 80M, 90M ,100M	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB, Partial RB, Full RB	L, M, H
	5G n78	20M, 30M, 40M, 50M, 60M, 70M, 80M, 90M ,100M	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB, Partial RB, Full RB	L, M, H
26dB and 99% Bandwidth	5G n78	20M, 30M, 40M, 50M, 60M, 70M, 80M, 90M ,100M	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	Full RB	M
Conducted Band Edge	5G n78	20M, 60M, 100M	PI/2 BPSK, QPSK	1RB, Full RB	L, H
Conducted Spurious Emission	5G n78	20M, 60M, 100M	PI/2 BPSK, QPSK	1RB	L, M, H
Frequency Stability	5G n78	20M	QPSK	Full RB	M
Radiated Spurious Emission	5G n77	Worst case from maximum power			M
	5G n78	Worst case from maximum power			M

Note:

1. 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.
2. Based on engineering evaluation, only the worst modulations test results are shown in the report.
3. Frequency Stability：Normal Voltage = 3.87V ； Low Voltage =3.5V.； High Voltage =4.45V

2.2 Connection Diagram of Test System



This example is connection diagram of EUT test configurations.

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

2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	DC Power Supply	GW	GPS-3030D	N/A	N/A	Unshielded, 1.8 m
2.	Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
3.	Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded,1.8m

2.4 Measurement Results Explanation Example

For all conducted test items:

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

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 6.08 dB and 10dB attenuator.

Example :

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 6.08 + 10 = 16.08 (dB)

2.5 Frequency List of Low/Middle/High Channels

5G n77/n78 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
100	Channel	-	633334	-
	Frequency	-	3500.01	-
90	Channel	633000	633334	633666
	Frequency	3495	3500.01	3504.99
80	Channel	632668	633334	634000
	Frequency	3490.02	3500.01	3510
70	Channel	632334	633334	634332
	Frequency	3485.01	3500.01	3514.98
60	Channel	632000	633334	634666
	Frequency	3480	3500.01	3519.99
50	Channel	631668	633334	635000
	Frequency	3475.02	3500.01	3525
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
30	Channel	631000	633334	635666
	Frequency	3465	3500.01	3534.99
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540

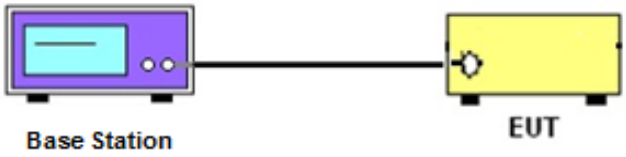
3 Conducted Test Items

3.1 Measuring Instruments

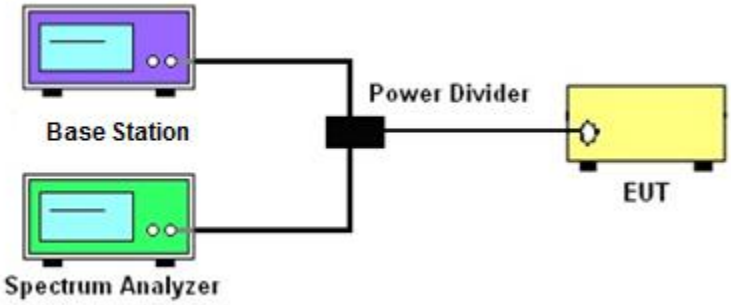
See list of measuring instruments of this test report.

3.2 Test Setup

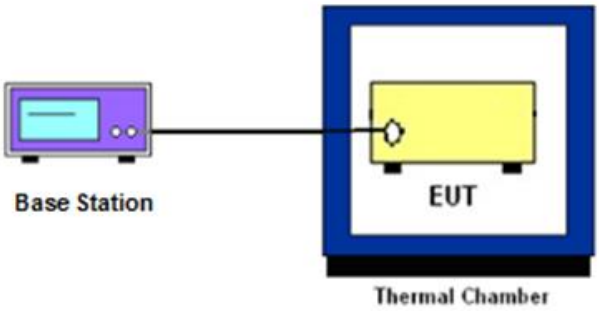
3.2.1 Conducted Output Power



3.2.2 Peak-to-Average Ratio, Occupied / 26dB Bandwidth ,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 Measurement

3.4.1 Description of the Conducted Output Power Measurement

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

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 EIRP

3.6.1 Description of EIRP Limit

§ 27.50 (k)(3)

Mobile devices are limited to 1Watt (30 dBm) EIRP. Mobile devices operating in these bands must employ a means for limiting power to the minimum necessary for successful communications

3.6.2 Test Procedures

1. According to KDB 412172 D01 Power Approach,
2. 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

3.7 Occupied Bandwidth

3.7.1 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.

3.7.2 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.

3.8 Conducted Band Edge Measurement

3.8.1 Description of Conducted Band Edge Measurement

§ 27.53 (n)(2)

For mobile operations in the 3450-3550 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, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 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.

3.8.2 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 band edges of low and high channels for the highest RF powers were measured.
4. Set RBW ≥ 1% EBW but limited to a maximum of 200 kHz in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz and 5 MHz removed from the band edge, set RBW ≥ 500KHz.
6. Beyond the 5 MHz removed from the band edge, set RBW = 1MHz.
7. Set spectrum analyzer with RMS detector.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. Checked that all the results comply with the emission limit line.

3.9 Conducted Spurious Emission Measurement

3.9.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges shall not exceed −13 dBm/MHz.

It is measured by means of a calibrated spectrum analyzer and scanned from 9 kHz up to a frequency including its 10^{th} harmonic.

3.9.2 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. Checked that all the results comply with the emission limit line.

3.10 Frequency Stability Measurement

3.10.1 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.

3.10.2 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.

3.10.3 Test Procedures for Voltage Variation

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

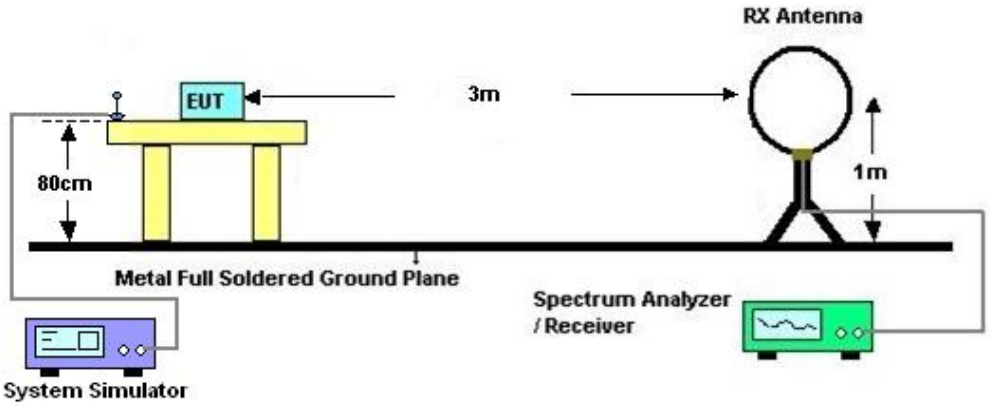
4 Radiated Test Items

4.1 Measuring Instruments

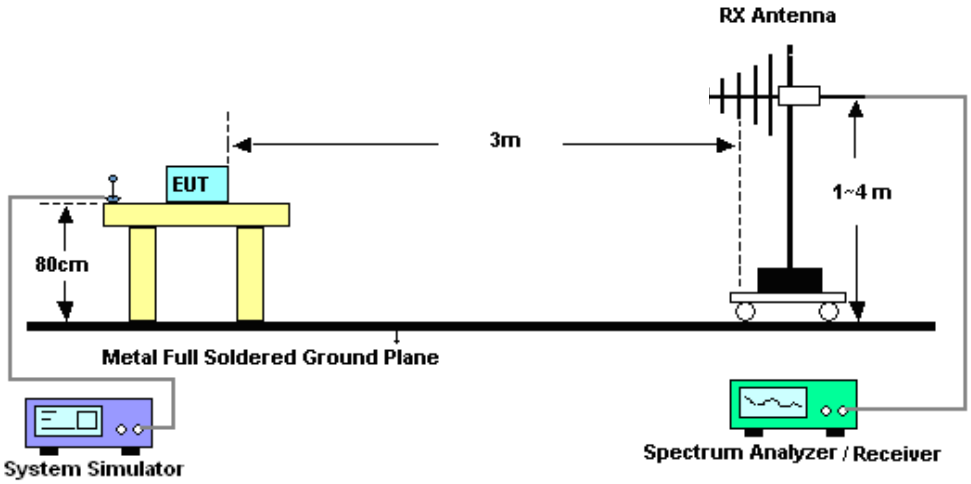
See list of measuring instruments of this test report.

4.2 Test Setup

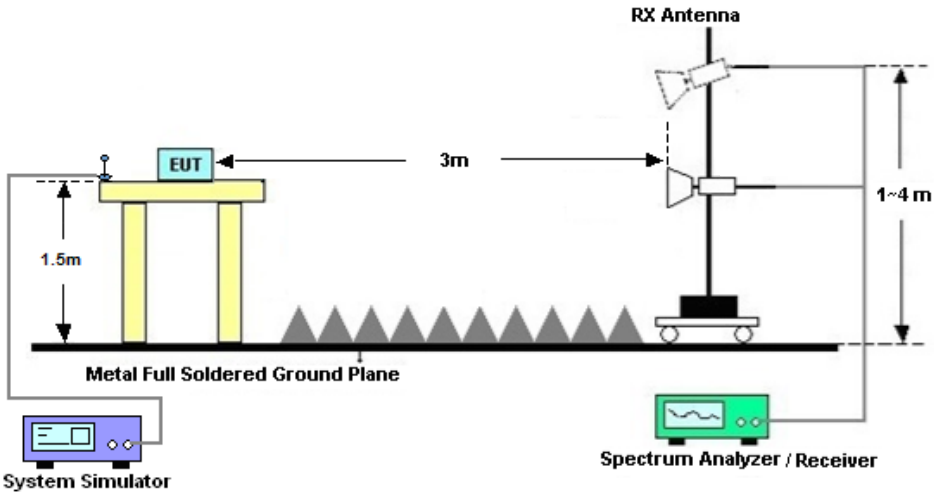
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission Measurement

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI/TIA-603-E.

The power of any emission outside of the authorized operating frequency ranges shall not exceed −13 dBm/MHz.

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.
   EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
   ERP (dBm) = EIRP - 2.15
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EXA Signal Analyzer	KEYSIGHT	N9010B	MY60240803	10Hz~44GHz	Apr. 03, 2021	Feb. 04, 2022	Apr. 02, 2022	Conducted (TH01-SZ)
Power divider	STI	STI08-0055	-	0.5~40GHz	Aug. 26, 2021	Feb. 04, 2022	Aug. 25, 2022	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 14, 2021	Feb. 04, 2022	Jul. 13, 2022	Conducted (TH01-SZ)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz;Max 30dBm	Oct. 16, 2021	Mar. 05, 2022	Oct. 15, 2022	Radiation (03CH02-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz-44G,MAX 30dB	Oct. 16, 2021	Mar. 05, 2022	Oct. 15, 2022	Radiation (03CH02-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 30, 2021	Mar. 05, 2022	Oct. 29, 2022	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz-1GHz	Dec. 22, 2021	Mar. 05, 2022	Dec. 21, 2022	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Oct. 30, 2021	Mar. 05, 2022	Oct. 29, 2022	Radiation (03CH02-KS)
high gain Amplifier	MITEQ	AMF-7D-00101800-30-10P	2025788	1Ghz-18Ghz	Jul. 30, 2021	Mar. 05, 2022	Jul. 29, 2023	Radiation (03CH02-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 05, 2022	Mar. 05, 2022	Jan. 04, 2023	Radiation (03CH02-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Apr. 13, 2021	Mar. 05, 2022	Apr. 12, 2022	Radiation (03CH02-KS)
Amplifier	Keysight	83017A	MY53270316	500MHz~26.5GHz	Oct. 16, 2021	Mar. 05, 2022	Oct. 15, 2022	Radiation (03CH02-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 05, 2022	Mar. 05, 2022	Jan. 04, 2023	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	616010002473	N/A	NCR	Mar. 05, 2022	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Mar. 05, 2022	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Mar. 05, 2022	NCR	Radiation (03CH02-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))	**2.5dB**

Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.1dB**

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

Appendix A. Test Results of Conducted Test

Test Engineer :	Jung Guo	**Temperature :**	21~23℃
		Relative Humidity :	45~51%

Software Version: 22.02.012503

FR1 N77 (ANT2)

LTE Band: 41 (ANT1), LTE BW: 20M, LTE ARFCN: Mid

Transmitter Conducted Output Power And EIRP, (G_T - L_C)= -0.5dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	25@12	23.98	23.48	0.2228
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	24.05	23.55	0.2265
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	23.92	23.42	0.2198
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	23.97	23.47	0.2223
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	24.04	23.54	0.2259
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	23.98	23.48	0.2228
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	21.99	21.49	0.1409
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	22.16	21.66	0.1466
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	22.04	21.54	0.1426
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	20.4	19.9	0.0977
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	20.73	20.23	0.1054
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	20.69	20.19	0.1045
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	18.44	17.94	0.0622
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	18.27	17.77	0.0598
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	18.26	17.76	0.0597
77	30	20	630668	3460.02	CP-OFDM QPSK	25@12	21.51	21.01	0.1262
77	30	20	630668	3460.02	CP-OFDM QPSK	1@1	21.52	21.02	0.1265
77	30	20	630668	3460.02	CP-OFDM QPSK	1@49	21.54	21.04	0.1271
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	24.36	23.86	0.2432
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.41	23.91	0.2460
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	24.15	23.65	0.2317
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	24.31	23.81	0.2404
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.38	23.88	0.2443
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	24.23	23.73	0.2360
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	22.36	21.86	0.1535
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.48	21.98	0.1578
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	22.31	21.81	0.1517

77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	20.74	20.24	0.1057
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.05	20.55	0.1135
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	20.92	20.42	0.1102
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	18.72	18.22	0.0664
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.64	18.14	0.0652
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	18.44	17.94	0.0622
77	30	20	633334	3500.01	CP-OFDM QPSK	25@12	21.82	21.32	0.1355
77	30	20	633334	3500.01	CP-OFDM QPSK	1@1	21.88	21.38	0.1374
77	30	20	633334	3500.01	CP-OFDM QPSK	1@49	21.79	21.29	0.1346
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	25@12	24.28	23.78	0.2388
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	24.25	23.75	0.2371
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@49	24.16	23.66	0.2323
77	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	24.3	23.8	0.2399
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	24.19	23.69	0.2339
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	24.17	23.67	0.2328
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	25@12	22.27	21.77	0.1503
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	22.3	21.8	0.1514
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@49	22.26	21.76	0.1500
77	30	20	636000	3540	DFT-s-OFDM 64 QAM	25@12	20.78	20.28	0.1067
77	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	20.89	20.39	0.1094
77	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@49	20.83	20.33	0.1079
77	30	20	636000	3540	DFT-s-OFDM 256 QAM	25@12	18.79	18.29	0.0675
77	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	18.49	17.99	0.0630
77	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@49	18.43	17.93	0.0621
77	30	20	636000	3540	CP-OFDM QPSK	25@12	21.76	21.26	0.1337
77	30	20	636000	3540	CP-OFDM QPSK	1@1	21.72	21.22	0.1324
77	30	20	636000	3540	CP-OFDM QPSK	1@49	21.76	21.26	0.1337
77	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	36@18	23.38	22.88	0.1941
77	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	23.47	22.97	0.1982
77	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@76	23.39	22.89	0.1945
77	30	30	631000	3465	DFT-s-OFDM QPSK	36@18	23.38	22.88	0.1941
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	23.53	23.03	0.2009
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@76	23.33	22.83	0.1919
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	36@18	22.32	21.82	0.1521

77	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	22.74	22.24	0.1675
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@76	22.58	22.08	0.1614
77	30	30	631000	3465	DFT-s-OFDM 64 QAM	36@18	20.89	20.39	0.1094
77	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@1	21.03	20.53	0.1130
77	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@76	20.93	20.43	0.1104
77	30	30	631000	3465	DFT-s-OFDM 256 QAM	36@18	18.91	18.41	0.0693
77	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@1	18.71	18.21	0.0662
77	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@76	18.62	18.12	0.0649
77	30	30	631000	3465	CP-OFDM QPSK	39@19	21.88	21.38	0.1374
77	30	30	631000	3465	CP-OFDM QPSK	1@1	21.95	21.45	0.1396
77	30	30	631000	3465	CP-OFDM QPSK	1@76	21.79	21.29	0.1346
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	23.31	22.81	0.1910
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.43	22.93	0.1963
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@76	23.26	22.76	0.1888
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	23.23	22.73	0.1875
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.44	22.94	0.1968
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	23.24	22.74	0.1879
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	22.32	21.82	0.1521
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.66	22.16	0.1644
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	22.45	21.95	0.1567
77	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	20.76	20.26	0.1062
77	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.95	20.45	0.1109
77	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@76	20.79	20.29	0.1069
77	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	18.75	18.25	0.0668
77	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.71	18.21	0.0662
77	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@76	18.57	18.07	0.0641
77	30	30	633334	3500.01	CP-OFDM QPSK	39@19	21.7	21.2	0.1318
77	30	30	633334	3500.01	CP-OFDM QPSK	1@1	21.91	21.41	0.1384
77	30	30	633334	3500.01	CP-OFDM QPSK	1@76	21.68	21.18	0.1312
77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	36@18	23.22	22.72	0.1871
77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	23.37	22.87	0.1936
77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@76	23.12	22.62	0.1828
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	23.26	22.76	0.1888
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	23.33	22.83	0.1919

77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	23.14	22.64	0.1837
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	22.19	21.69	0.1476
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	22.56	22.06	0.1607
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	22.38	21.88	0.1542
77	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	36@18	20.74	20.24	0.1057
77	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	20.85	20.35	0.1084
77	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@76	20.68	20.18	0.1042
77	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	36@18	18.7	18.2	0.0661
77	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	18.7	18.2	0.0661
77	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@76	18.42	17.92	0.0619
77	30	30	635666	3534.99	CP-OFDM QPSK	39@19	21.68	21.18	0.1312
77	30	30	635666	3534.99	CP-OFDM QPSK	1@1	21.83	21.33	0.1358
77	30	30	635666	3534.99	CP-OFDM QPSK	1@76	21.57	21.07	0.1279
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	23.35	22.85	0.1928
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	23.53	23.03	0.2009
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	23.31	22.81	0.1910
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	23.34	22.84	0.1923
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	23.5	23	0.1995
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	23.37	22.87	0.1936
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	22.38	21.88	0.1542
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	22.63	22.13	0.1633
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	22.42	21.92	0.1556
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	20.91	20.41	0.1099
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	21.27	20.77	0.1194
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	20.95	20.45	0.1109
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	18.84	18.34	0.0682
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	18.77	18.27	0.0671
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	18.59	18.09	0.0644
77	30	40	631334	3470.01	CP-OFDM QPSK	53@26	21.88	21.38	0.1374
77	30	40	631334	3470.01	CP-OFDM QPSK	1@1	22.05	21.55	0.1429
77	30	40	631334	3470.01	CP-OFDM QPSK	1@104	21.83	21.33	0.1358
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	23.24	22.74	0.1879
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.46	22.96	0.1977
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	23.26	22.76	0.1888

77	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	23.22	22.72	0.1871
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.46	22.96	0.1977
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	23.25	22.75	0.1884
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	22.29	21.79	0.1510
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.64	22.14	0.1637
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	22.44	21.94	0.1563
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	20.75	20.25	0.1059
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21	20.5	0.1122
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	20.86	20.36	0.1086
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	18.81	18.31	0.0678
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.74	18.24	0.0667
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	18.43	17.93	0.0621
77	30	40	633334	3500.01	CP-OFDM QPSK	53@26	21.78	21.28	0.1343
77	30	40	633334	3500.01	CP-OFDM QPSK	1@1	21.97	21.47	0.1403
77	30	40	633334	3500.01	CP-OFDM QPSK	1@104	21.76	21.26	0.1337
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	23.27	22.77	0.1892
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	23.48	22.98	0.1986
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	23.16	22.66	0.1845
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	23.25	22.75	0.1884
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	23.41	22.91	0.1954
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	23.17	22.67	0.1849
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	22.29	21.79	0.1510
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	22.62	22.12	0.1629
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	22.39	21.89	0.1545
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	20.79	20.29	0.1069
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	21.01	20.51	0.1125
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	20.79	20.29	0.1069
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	18.76	18.26	0.0670
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	18.66	18.16	0.0655
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	18.43	17.93	0.0621
77	30	40	635332	3529.98	CP-OFDM QPSK	53@26	21.8	21.3	0.1349
77	30	40	635332	3529.98	CP-OFDM QPSK	1@1	21.98	21.48	0.1406
77	30	40	635332	3529.98	CP-OFDM QPSK	1@104	21.67	21.17	0.1309
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	64@32	23.21	22.71	0.1866

77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	23.35	22.85	0.1928
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	22.98	22.48	0.1770
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	23.19	22.69	0.1858
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	23.29	22.79	0.1901
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	22.94	22.44	0.1754
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	22.21	21.71	0.1483
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	22.45	21.95	0.1567
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	22.03	21.53	0.1422
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	20.73	20.23	0.1054
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	20.87	20.37	0.1089
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	20.5	20	0.1000
77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	18.69	18.19	0.0659
77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	18.63	18.13	0.0650
77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	18.18	17.68	0.0586
77	30	50	631668	3475.02	CP-OFDM QPSK	67@33	21.71	21.21	0.1321
77	30	50	631668	3475.02	CP-OFDM QPSK	1@1	21.75	21.25	0.1334
77	30	50	631668	3475.02	CP-OFDM QPSK	1@131	21.44	20.94	0.1242
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	23.09	22.59	0.1816
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.32	22.82	0.1914
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	22.83	22.33	0.1710
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	23.08	22.58	0.1811
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.28	22.78	0.1897
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	22.83	22.33	0.1710
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	22.12	21.62	0.1452
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.4	21.9	0.1549
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	21.91	21.41	0.1384
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	20.64	20.14	0.1033
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.01	20.51	0.1125
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	20.39	19.89	0.0975
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	18.52	18.02	0.0634
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.55	18.05	0.0638
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	18.08	17.58	0.0573
77	30	50	633334	3500.01	CP-OFDM QPSK	67@33	21.59	21.09	0.1285
77	30	50	633334	3500.01	CP-OFDM QPSK	1@1	21.81	21.31	0.1352

77	30	50	633334	3500.01	CP-OFDM QPSK	1@131	21.34	20.84	0.1213
77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	64@32	23.03	22.53	0.1791
77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	23.3	22.8	0.1905
77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@131	22.93	22.43	0.1750
77	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	23.03	22.53	0.1791
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	23.26	22.76	0.1888
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	22.88	22.38	0.1730
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	64@32	22.06	21.56	0.1432
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	22.38	21.88	0.1542
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@131	22.03	21.53	0.1422
77	30	50	635000	3525	DFT-s-OFDM 64 QAM	64@32	20.56	20.06	0.1014
77	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	20.96	20.46	0.1112
77	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@131	20.59	20.09	0.1021
77	30	50	635000	3525	DFT-s-OFDM 256 QAM	64@32	18.54	18.04	0.0637
77	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	18.51	18.01	0.0632
77	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@131	18.15	17.65	0.0582
77	30	50	635000	3525	CP-OFDM QPSK	67@33	21.51	21.01	0.1262
77	30	50	635000	3525	CP-OFDM QPSK	1@1	21.72	21.22	0.1324
77	30	50	635000	3525	CP-OFDM QPSK	1@131	21.41	20.91	0.1233
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	81@40	23.22	22.72	0.1871
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	23.35	22.85	0.1928
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@160	23.01	22.51	0.1782
77	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	23.25	22.75	0.1884
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	23.34	22.84	0.1923
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	22.96	22.46	0.1762
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	81@40	22.31	21.81	0.1517
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	22.58	22.08	0.1614
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@160	22.2	21.7	0.1479
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	81@40	20.8	20.3	0.1072
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@1	20.82	20.32	0.1076
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@160	20.51	20.01	0.1002
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	81@40	18.75	18.25	0.0668
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@1	18.66	18.16	0.0655
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@160	18.31	17.81	0.0604

77	30	60	632000	3480	CP-OFDM QPSK	81@40	21.78	21.28	0.1343
77	30	60	632000	3480	CP-OFDM QPSK	1@1	21.82	21.32	0.1355
77	30	60	632000	3480	CP-OFDM QPSK	1@160	21.46	20.96	0.1247
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	81@40	23.13	22.63	0.1832
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.3	22.8	0.1905
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	22.9	22.4	0.1738
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	23.12	22.62	0.1828
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.31	22.81	0.1910
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	22.84	22.34	0.1714
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	22.13	21.63	0.1455
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.51	22.01	0.1589
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	22.1	21.6	0.1445
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	20.64	20.14	0.1033
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.76	20.26	0.1062
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	20.39	19.89	0.0975
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	18.69	18.19	0.0659
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.6	18.1	0.0646
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	18.19	17.69	0.0587
77	30	60	633334	3500.01	CP-OFDM QPSK	81@40	21.68	21.18	0.1312
77	30	60	633334	3500.01	CP-OFDM QPSK	1@1	21.8	21.3	0.1349
77	30	60	633334	3500.01	CP-OFDM QPSK	1@160	21.36	20.86	0.1219
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	23.14	22.64	0.1837
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	23.33	22.83	0.1919
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	22.99	22.49	0.1774
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	23.13	22.63	0.1832
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	23.3	22.8	0.1905
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	22.97	22.47	0.1766
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	22.19	21.69	0.1476
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	22.61	22.11	0.1626
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	22.24	21.74	0.1493
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	20.67	20.17	0.1040
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	20.91	20.41	0.1099
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	20.56	20.06	0.1014
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	18.71	18.21	0.0662

77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	18.62	18.12	0.0649
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	18.27	17.77	0.0598
77	30	60	634666	3519.99	CP-OFDM QPSK	81@40	21.68	21.18	0.1312
77	30	60	634666	3519.99	CP-OFDM QPSK	1@1	21.81	21.31	0.1352
77	30	60	634666	3519.99	CP-OFDM QPSK	1@160	21.46	20.96	0.1247
77	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	90@45	23.1	22.6	0.1820
77	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	23.28	22.78	0.1897
77	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@187	22.83	22.33	0.1710
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	23.11	22.61	0.1824
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	23.25	22.75	0.1884
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	22.79	22.29	0.1694
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	90@45	22.09	21.59	0.1442
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	22.45	21.95	0.1567
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@187	22.07	21.57	0.1435
77	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	90@45	20.59	20.09	0.1021
77	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@1	20.76	20.26	0.1062
77	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@187	20.35	19.85	0.0966
77	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	90@45	18.58	18.08	0.0643
77	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@1	18.5	18	0.0631
77	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@187	18.18	17.68	0.0586
77	30	70	632334	3485.01	CP-OFDM QPSK	95@47	21.54	21.04	0.1271
77	30	70	632334	3485.01	CP-OFDM QPSK	1@1	21.79	21.29	0.1346
77	30	70	632334	3485.01	CP-OFDM QPSK	1@187	21.4	20.9	0.1230
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	90@45	23.05	22.55	0.1799
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.13	22.63	0.1832
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@187	22.78	22.28	0.1690
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	23.03	22.53	0.1791
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.13	22.63	0.1832
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	22.75	22.25	0.1679
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	90@45	22.06	21.56	0.1432
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.37	21.87	0.1538
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@187	22	21.5	0.1413
77	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	90@45	20.55	20.05	0.1012
77	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.7	20.2	0.1047

77	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@187	20.27	19.77	0.0948
77	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	90@45	18.55	18.05	0.0638
77	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.46	17.96	0.0625
77	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@187	18.06	17.56	0.0570
77	30	70	633334	3500.01	CP-OFDM QPSK	95@47	21.55	21.05	0.1274
77	30	70	633334	3500.01	CP-OFDM QPSK	1@1	21.65	21.15	0.1303
77	30	70	633334	3500.01	CP-OFDM QPSK	1@187	21.3	20.8	0.1202
77	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	90@45	23.1	22.6	0.1820
77	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	23.26	22.76	0.1888
77	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@187	22.87	22.37	0.1726
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	90@45	23.04	22.54	0.1795
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	23.24	22.74	0.1879
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	22.88	22.38	0.1730
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	90@45	22.09	21.59	0.1442
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	22.54	22.04	0.1600
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@187	22.15	21.65	0.1462
77	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	90@45	20.6	20.1	0.1023
77	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@1	20.9	20.4	0.1096
77	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@187	20.47	19.97	0.0993
77	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	90@45	18.56	18.06	0.0640
77	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@1	18.54	18.04	0.0637
77	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@187	18.11	17.61	0.0577
77	30	70	634332	3514.98	CP-OFDM QPSK	95@47	21.57	21.07	0.1279
77	30	70	634332	3514.98	CP-OFDM QPSK	1@1	21.77	21.27	0.1340
77	30	70	634332	3514.98	CP-OFDM QPSK	1@187	21.44	20.94	0.1242
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	23.18	22.68	0.1854
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	23.23	22.73	0.1875
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	22.89	22.39	0.1734
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	23.2	22.7	0.1862
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	23.24	22.74	0.1879
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	22.88	22.38	0.1730
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	22.08	21.58	0.1439
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	22.25	21.75	0.1496
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	21.93	21.43	0.1390

77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	20.74	20.24	0.1057
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	20.88	20.38	0.1091
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	20.53	20.03	0.1007
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	18.66	18.16	0.0655
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	18.51	18.01	0.0632
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	18.15	17.65	0.0582
77	30	80	632668	3490.02	CP-OFDM QPSK	109@54	21.73	21.23	0.1327
77	30	80	632668	3490.02	CP-OFDM QPSK	1@1	21.8	21.3	0.1349
77	30	80	632668	3490.02	CP-OFDM QPSK	1@215	21.45	20.95	0.1245
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	23.06	22.56	0.1803
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.15	22.65	0.1841
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	22.79	22.29	0.1694
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	23.04	22.54	0.1795
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.16	22.66	0.1845
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	22.74	22.24	0.1675
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	22.08	21.58	0.1439
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.35	21.85	0.1531
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	22.07	21.57	0.1435
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	20.56	20.06	0.1014
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.76	20.26	0.1062
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	20.37	19.87	0.0971
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	18.53	18.03	0.0635
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.4	17.9	0.0617
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	18.06	17.56	0.0570
77	30	80	633334	3500.01	CP-OFDM QPSK	109@54	21.58	21.08	0.1282
77	30	80	633334	3500.01	CP-OFDM QPSK	1@1	21.68	21.18	0.1312
77	30	80	633334	3500.01	CP-OFDM QPSK	1@215	21.3	20.8	0.1202
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	108@54	23.03	22.53	0.1791
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	23.16	22.66	0.1845
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@215	22.83	22.33	0.1710
77	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	23.04	22.54	0.1795
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	23.17	22.67	0.1849
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	22.7	22.2	0.1660
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	108@54	22.05	21.55	0.1429

77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	22.46	21.96	0.1570
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@215	22.05	21.55	0.1429
77	30	80	634000	3510	DFT-s-OFDM 64 QAM	108@54	20.54	20.04	0.1009
77	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@1	20.77	20.27	0.1064
77	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@215	20.36	19.86	0.0968
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	108@54	18.54	18.04	0.0637
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@1	18.43	17.93	0.0621
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@215	17.99	17.49	0.0561
77	30	80	634000	3510	CP-OFDM QPSK	109@54	21.56	21.06	0.1276
77	30	80	634000	3510	CP-OFDM QPSK	1@1	21.65	21.15	0.1303
77	30	80	634000	3510	CP-OFDM QPSK	1@215	21.25	20.75	0.1189
77	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	120@60	23.13	22.63	0.1832
77	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	23.21	22.71	0.1866
77	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@243	23	22.5	0.1778
77	30	90	633000	3495	DFT-s-OFDM QPSK	120@60	23.14	22.64	0.1837
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	23.19	22.69	0.1858
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@243	22.99	22.49	0.1774
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	120@60	22.21	21.71	0.1483
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	22.4	21.9	0.1549
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@243	21.98	21.48	0.1406
77	30	90	633000	3495	DFT-s-OFDM 64 QAM	120@60	20.68	20.18	0.1042
77	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@1	20.9	20.4	0.1096
77	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@243	20.57	20.07	0.1016
77	30	90	633000	3495	DFT-s-OFDM 256 QAM	120@60	18.72	18.22	0.0664
77	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@1	18.5	18	0.0631
77	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@243	18.19	17.69	0.0587
77	30	90	633000	3495	CP-OFDM QPSK	123@61	21.69	21.19	0.1315
77	30	90	633000	3495	CP-OFDM QPSK	1@1	21.74	21.24	0.1330
77	30	90	633000	3495	CP-OFDM QPSK	1@243	21.45	20.95	0.1245
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	120@60	23.01	22.51	0.1782
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.11	22.61	0.1824
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@243	22.77	22.27	0.1687
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	23.05	22.55	0.1799
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.12	22.62	0.1828

77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	22.74	22.24	0.1675
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	120@60	22.11	21.61	0.1449
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.23	21.73	0.1489
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@243	21.88	21.38	0.1374
77	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	120@60	20.6	20.1	0.1023
77	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.82	20.32	0.1076
77	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@243	20.48	19.98	0.0995
77	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	120@60	18.59	18.09	0.0644
77	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.35	17.85	0.0610
77	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@243	17.99	17.49	0.0561
77	30	90	633334	3500.01	CP-OFDM QPSK	123@61	21.57	21.07	0.1279
77	30	90	633334	3500.01	CP-OFDM QPSK	1@1	21.69	21.19	0.1315
77	30	90	633334	3500.01	CP-OFDM QPSK	1@243	21.3	20.8	0.1202
77	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	120@60	23.05	22.55	0.1799
77	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	23.18	22.68	0.1854
77	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@243	22.84	22.34	0.1714
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	23.12	22.62	0.1828
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	23.17	22.67	0.1849
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	22.8	22.3	0.1698
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	22.11	21.61	0.1449
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	22.26	21.76	0.1500
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	21.94	21.44	0.1393
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	120@60	20.62	20.12	0.1028
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@1	20.93	20.43	0.1104
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@243	20.47	19.97	0.0993
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	120@60	18.58	18.08	0.0643
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@1	18.5	18	0.0631
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@243	18	17.5	0.0562
77	30	90	633666	3504.99	CP-OFDM QPSK	123@61	21.59	21.09	0.1285
77	30	90	633666	3504.99	CP-OFDM QPSK	1@1	21.65	21.15	0.1303
77	30	90	633666	3504.99	CP-OFDM QPSK	1@243	21.41	20.91	0.1233
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	23	22.5	0.1778
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.16	22.66	0.1845
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	22.74	22.24	0.1675

77	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	23.07	22.57	0.1807
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.15	22.65	0.1841
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	22.78	22.28	0.1690
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	22.12	21.62	0.1452
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.27	21.77	0.1503
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	21.93	21.43	0.1390
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	20.56	20.06	0.1014
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.7	20.2	0.1047
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	20.29	19.79	0.0953
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	18.62	18.12	0.0649
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.42	17.92	0.0619
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	18.05	17.55	0.0569
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	21.59	21.09	0.1285
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	21.7	21.2	0.1318
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	21.22	20.72	0.1180

Software Version: 22.02.012503

FR1 N78 (ANT2)

Transmitter Conducted Output Power And EIRP, (G_T - L_C)= -0.5dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	25@12	26.75	26.25	0.4217
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	26.77	26.27	0.4236
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	26.72	26.22	0.4188
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	26.73	26.23	0.4198
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	26.92	26.42	0.4385
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	26.72	26.22	0.4188
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	25.81	25.31	0.3396
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	25.94	25.44	0.3499
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	25.86	25.36	0.3436
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	24.38	23.88	0.2443
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	24.31	23.81	0.2404
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	24.22	23.72	0.2355
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	22.2	21.7	0.1479
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	22.08	21.58	0.1439
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	22.03	21.53	0.1422
78	30	20	630668	3460.02	CP-OFDM QPSK	25@12	25.3	24.8	0.3020
78	30	20	630668	3460.02	CP-OFDM QPSK	1@1	25.32	24.82	0.3034
78	30	20	630668	3460.02	CP-OFDM QPSK	1@49	25.25	24.75	0.2985
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	26.71	26.21	0.4178
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.73	26.23	0.4198
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	26.66	26.16	0.4130
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	26.75	26.25	0.4217
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.8	26.3	0.4266
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	26.59	26.09	0.4064
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	25.76	25.26	0.3357
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.86	25.36	0.3436
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	25.73	25.23	0.3334
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	24.25	23.75	0.2371
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.32	23.82	0.2410

78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	24.33	23.83	0.2415
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	22.14	21.64	0.1459
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22	21.5	0.1413
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	22.04	21.54	0.1426
78	30	20	633334	3500.01	CP-OFDM QPSK	25@12	25.23	24.73	0.2972
78	30	20	633334	3500.01	CP-OFDM QPSK	1@1	25.13	24.63	0.2904
78	30	20	633334	3500.01	CP-OFDM QPSK	1@49	25.12	24.62	0.2897
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	25@12	26.55	26.05	0.4027
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	26.62	26.12	0.4093
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@49	26.49	25.99	0.3972
78	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	26.58	26.08	0.4055
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	26.73	26.23	0.4198
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	26.38	25.88	0.3873
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	25@12	25.66	25.16	0.3281
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	25.76	25.26	0.3357
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@49	25.59	25.09	0.3228
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	25@12	24.17	23.67	0.2328
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	24.3	23.8	0.2399
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@49	24.14	23.64	0.2312
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	25@12	22.03	21.53	0.1422
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	22.04	21.54	0.1426
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@49	21.87	21.37	0.1371
78	30	20	636000	3540	CP-OFDM QPSK	25@12	25.11	24.61	0.2891
78	30	20	636000	3540	CP-OFDM QPSK	1@1	25.12	24.62	0.2897
78	30	20	636000	3540	CP-OFDM QPSK	1@49	24.95	24.45	0.2786
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	36@18	26.86	26.36	0.4325
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	26.89	26.39	0.4355
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@76	26.79	26.29	0.4256
78	30	30	631000	3465	DFT-s-OFDM QPSK	36@18	26.81	26.31	0.4276
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	26.96	26.46	0.4426
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@76	26.78	26.28	0.4246
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	36@18	25.88	25.38	0.3451
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	25.93	25.43	0.3491
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@76	25.81	25.31	0.3396

78	30	30	631000	3465	DFT-s-OFDM 64 QAM	36@18	24.28	23.78	0.2388
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@1	24.56	24.06	0.2547
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@76	24.29	23.79	0.2393
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	36@18	22.28	21.78	0.1507
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@1	22.15	21.65	0.1462
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@76	22.16	21.66	0.1466
78	30	30	631000	3465	CP-OFDM QPSK	39@19	25.29	24.79	0.3013
78	30	30	631000	3465	CP-OFDM QPSK	1@1	25.28	24.78	0.3006
78	30	30	631000	3465	CP-OFDM QPSK	1@76	25.22	24.72	0.2965
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	26.72	26.22	0.4188
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.81	26.31	0.4276
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@76	26.57	26.07	0.4046
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	26.75	26.25	0.4217
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.8	26.3	0.4266
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	26.61	26.11	0.4083
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	25.66	25.16	0.3281
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.85	25.35	0.3428
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	25.74	25.24	0.3342
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	24.32	23.82	0.2410
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.29	23.79	0.2393
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@76	24.2	23.7	0.2344
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	22.23	21.73	0.1489
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.21	21.71	0.1483
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@76	21.89	21.39	0.1377
78	30	30	633334	3500.01	CP-OFDM QPSK	39@19	25.18	24.68	0.2938
78	30	30	633334	3500.01	CP-OFDM QPSK	1@1	25.27	24.77	0.2999
78	30	30	633334	3500.01	CP-OFDM QPSK	1@76	25.01	24.51	0.2825
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	36@18	26.69	26.19	0.4159
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	26.73	26.23	0.4198
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@76	26.5	26	0.3981
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	26.64	26.14	0.4111
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	26.71	26.21	0.4178
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	26.5	26	0.3981
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	25.66	25.16	0.3281

78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	25.86	25.36	0.3436
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	25.75	25.25	0.3350
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	36@18	24.2	23.7	0.2344
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	24.26	23.76	0.2377
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@76	24.07	23.57	0.2275
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	36@18	22.1	21.6	0.1445
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	22.06	21.56	0.1432
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@76	21.84	21.34	0.1361
78	30	30	635666	3534.99	CP-OFDM QPSK	39@19	25.12	24.62	0.2897
78	30	30	635666	3534.99	CP-OFDM QPSK	1@1	25.28	24.78	0.3006
78	30	30	635666	3534.99	CP-OFDM QPSK	1@76	24.97	24.47	0.2799
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	26.83	26.33	0.4295
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	26.99	26.49	0.4457
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	26.73	26.23	0.4198
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	26.8	26.3	0.4266
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	26.92	26.42	0.4385
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	26.82	26.32	0.4285
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	25.84	25.34	0.3420
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	26.1	25.6	0.3631
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	25.85	25.35	0.3428
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	24.38	23.88	0.2443
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	24.47	23.97	0.2495
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	24.25	23.75	0.2371
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	22.32	21.82	0.1521
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	22.39	21.89	0.1545
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	22.01	21.51	0.1416
78	30	40	631334	3470.01	CP-OFDM QPSK	53@26	25.36	24.86	0.3062
78	30	40	631334	3470.01	CP-OFDM QPSK	1@1	25.46	24.96	0.3133
78	30	40	631334	3470.01	CP-OFDM QPSK	1@104	25.22	24.72	0.2965
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	26.77	26.27	0.4236
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.89	26.39	0.4355
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	26.62	26.12	0.4093
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	26.81	26.31	0.4276
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.94	26.44	0.4406

78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	26.57	26.07	0.4046
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	25.72	25.22	0.3327
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.02	25.52	0.3565
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	25.73	25.23	0.3334
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	24.32	23.82	0.2410
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.45	23.95	0.2483
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	24.15	23.65	0.2317
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	22.18	21.68	0.1472
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.23	21.73	0.1489
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	22.06	21.56	0.1432
78	30	40	633334	3500.01	CP-OFDM QPSK	53@26	25.18	24.68	0.2938
78	30	40	633334	3500.01	CP-OFDM QPSK	1@1	25.46	24.96	0.3133
78	30	40	633334	3500.01	CP-OFDM QPSK	1@104	25.14	24.64	0.2911
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	26.71	26.21	0.4178
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	26.85	26.35	0.4315
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	26.6	26.1	0.4074
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	26.72	26.22	0.4188
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	26.88	26.38	0.4345
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	26.67	26.17	0.4140
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	25.73	25.23	0.3334
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	26.05	25.55	0.3589
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	25.79	25.29	0.3381
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	24.29	23.79	0.2393
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	24.37	23.87	0.2438
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	24.02	23.52	0.2249
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	22.2	21.7	0.1479
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	22.24	21.74	0.1493
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	21.99	21.49	0.1409
78	30	40	635332	3529.98	CP-OFDM QPSK	53@26	25.21	24.71	0.2958
78	30	40	635332	3529.98	CP-OFDM QPSK	1@1	25.52	25.02	0.3177
78	30	40	635332	3529.98	CP-OFDM QPSK	1@104	25.05	24.55	0.2851
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	64@32	26.67	26.17	0.4140
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	26.7	26.2	0.4169
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	26.47	25.97	0.3954

78	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	26.65	26.15	0.4121
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	26.69	26.19	0.4159
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	26.44	25.94	0.3926
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	25.73	25.23	0.3334
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	25.69	25.19	0.3304
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	25.36	24.86	0.3062
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	24.19	23.69	0.2339
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	24.22	23.72	0.2355
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	23.98	23.48	0.2228
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	22.2	21.7	0.1479
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	21.97	21.47	0.1403
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	21.79	21.29	0.1346
78	30	50	631668	3475.02	CP-OFDM QPSK	67@33	25.19	24.69	0.2944
78	30	50	631668	3475.02	CP-OFDM QPSK	1@1	25.28	24.78	0.3006
78	30	50	631668	3475.02	CP-OFDM QPSK	1@131	24.9	24.4	0.2754
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	26.54	26.04	0.4018
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.62	26.12	0.4093
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	26.3	25.8	0.3802
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	26.55	26.05	0.4027
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.7	26.2	0.4169
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	26.28	25.78	0.3784
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	25.57	25.07	0.3214
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.73	25.23	0.3334
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	25.32	24.82	0.3034
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	24.05	23.55	0.2265
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.17	23.67	0.2328
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	23.77	23.27	0.2123
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	22.03	21.53	0.1422
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.91	21.41	0.1384
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	21.57	21.07	0.1279
78	30	50	633334	3500.01	CP-OFDM QPSK	67@33	25.02	24.52	0.2831
78	30	50	633334	3500.01	CP-OFDM QPSK	1@1	25.08	24.58	0.2871
78	30	50	633334	3500.01	CP-OFDM QPSK	1@131	24.74	24.24	0.2655
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	64@32	26.52	26.02	0.3999

78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	26.53	26.03	0.4009
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@131	26.34	25.84	0.3837
78	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	26.47	25.97	0.3954
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	26.65	26.15	0.4121
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	26.33	25.83	0.3828
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	64@32	25.46	24.96	0.3133
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	25.55	25.05	0.3199
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@131	25.49	24.99	0.3155
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	64@32	24.03	23.53	0.2254
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	24.04	23.54	0.2259
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@131	23.9	23.4	0.2188
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	64@32	21.98	21.48	0.1406
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	21.93	21.43	0.1390
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@131	21.78	21.28	0.1343
78	30	50	635000	3525	CP-OFDM QPSK	67@33	24.99	24.49	0.2812
78	30	50	635000	3525	CP-OFDM QPSK	1@1	25	24.5	0.2818
78	30	50	635000	3525	CP-OFDM QPSK	1@131	24.67	24.17	0.2612
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	81@40	26.64	26.14	0.4111
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	26.72	26.22	0.4188
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@160	26.4	25.9	0.3890
78	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	26.65	26.15	0.4121
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	26.81	26.31	0.4276
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	26.31	25.81	0.3811
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	81@40	25.61	25.11	0.3243
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	25.94	25.44	0.3499
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@160	25.47	24.97	0.3141
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	81@40	24.17	23.67	0.2328
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@1	24.4	23.9	0.2455
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@160	23.91	23.41	0.2193
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	81@40	22.17	21.67	0.1469
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@1	22.06	21.56	0.1432
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@160	21.74	21.24	0.1330
78	30	60	632000	3480	CP-OFDM QPSK	81@40	25.17	24.67	0.2931
78	30	60	632000	3480	CP-OFDM QPSK	1@1	25.37	24.87	0.3069

78	30	60	632000	3480	CP-OFDM QPSK	1@160	24.84	24.34	0.2716
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	81@40	26.5	26	0.3981
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.64	26.14	0.4111
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	26.24	25.74	0.3750
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	26.47	25.97	0.3954
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.74	26.24	0.4207
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	26.27	25.77	0.3776
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	25.47	24.97	0.3141
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.71	25.21	0.3319
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	25.5	25	0.3162
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	24.02	23.52	0.2249
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.16	23.66	0.2323
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	23.76	23.26	0.2118
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	22.07	21.57	0.1435
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.06	21.56	0.1432
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	21.63	21.13	0.1297
78	30	60	633334	3500.01	CP-OFDM QPSK	81@40	25.02	24.52	0.2831
78	30	60	633334	3500.01	CP-OFDM QPSK	1@1	25.17	24.67	0.2931
78	30	60	633334	3500.01	CP-OFDM QPSK	1@160	24.7	24.2	0.2630
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	26.53	26.03	0.4009
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	26.69	26.19	0.4159
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	26.29	25.79	0.3793
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	26.5	26	0.3981
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	26.76	26.26	0.4227
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	26.34	25.84	0.3837
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	25.55	25.05	0.3199
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	25.87	25.37	0.3443
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	25.38	24.88	0.3076
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	24.06	23.56	0.2270
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	24.19	23.69	0.2339
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	23.9	23.4	0.2188
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	22.06	21.56	0.1432
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	21.98	21.48	0.1406
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	21.59	21.09	0.1285

78	30	60	634666	3519.99	CP-OFDM QPSK	81@40	25.06	24.56	0.2858
78	30	60	634666	3519.99	CP-OFDM QPSK	1@1	25.18	24.68	0.2938
78	30	60	634666	3519.99	CP-OFDM QPSK	1@160	24.73	24.23	0.2649
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	90@45	26.59	26.09	0.4064
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	26.64	26.14	0.4111
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@187	26.27	25.77	0.3776
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	26.61	26.11	0.4083
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	26.65	26.15	0.4121
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	26.19	25.69	0.3707
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	90@45	25.5	25	0.3162
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	25.8	25.3	0.3388
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@187	25.38	24.88	0.3076
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	90@45	24.05	23.55	0.2265
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@1	24.11	23.61	0.2296
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@187	23.7	23.2	0.2089
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	90@45	22.02	21.52	0.1419
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@1	21.94	21.44	0.1393
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@187	21.57	21.07	0.1279
78	30	70	632334	3485.01	CP-OFDM QPSK	95@47	25.01	24.51	0.2825
78	30	70	632334	3485.01	CP-OFDM QPSK	1@1	25.22	24.72	0.2965
78	30	70	632334	3485.01	CP-OFDM QPSK	1@187	24.89	24.39	0.2748
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	90@45	26.47	25.97	0.3954
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.6	26.1	0.4074
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@187	26.19	25.69	0.3707
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	26.47	25.97	0.3954
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.56	26.06	0.4036
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	26.18	25.68	0.3698
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	90@45	25.46	24.96	0.3133
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.66	25.16	0.3281
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@187	25.27	24.77	0.2999
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	90@45	23.99	23.49	0.2234
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.13	23.63	0.2307
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@187	23.65	23.15	0.2065
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	90@45	22.01	21.51	0.1416

78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.03	21.53	0.1422
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@187	21.68	21.18	0.1312
78	30	70	633334	3500.01	CP-OFDM QPSK	95@47	24.97	24.47	0.2799
78	30	70	633334	3500.01	CP-OFDM QPSK	1@1	25.1	24.6	0.2884
78	30	70	633334	3500.01	CP-OFDM QPSK	1@187	24.79	24.29	0.2685
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	90@45	26.5	26	0.3981
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	26.73	26.23	0.4198
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@187	26.27	25.77	0.3776
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	90@45	26.49	25.99	0.3972
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	26.63	26.13	0.4102
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	26.09	25.59	0.3622
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	90@45	25.48	24.98	0.3148
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	25.73	25.23	0.3334
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@187	25.26	24.76	0.2992
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	90@45	24.02	23.52	0.2249
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@1	24.22	23.72	0.2355
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@187	23.78	23.28	0.2128
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	90@45	22	21.5	0.1413
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@1	22	21.5	0.1413
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@187	21.46	20.96	0.1247
78	30	70	634332	3514.98	CP-OFDM QPSK	95@47	24.95	24.45	0.2786
78	30	70	634332	3514.98	CP-OFDM QPSK	1@1	25.31	24.81	0.3027
78	30	70	634332	3514.98	CP-OFDM QPSK	1@187	24.68	24.18	0.2618
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	26.63	26.13	0.4102
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	26.61	26.11	0.4083
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	26.29	25.79	0.3793
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	26.65	26.15	0.4121
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	26.68	26.18	0.4150
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	26.29	25.79	0.3793
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	25.68	25.18	0.3296
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	25.86	25.36	0.3436
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	25.5	25	0.3162
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	24.18	23.68	0.2333
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	24.15	23.65	0.2317

78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	23.74	23.24	0.2109
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	22.14	21.64	0.1459
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	22.03	21.53	0.1422
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	21.59	21.09	0.1285
78	30	80	632668	3490.02	CP-OFDM QPSK	109@54	25.12	24.62	0.2897
78	30	80	632668	3490.02	CP-OFDM QPSK	1@1	25.3	24.8	0.3020
78	30	80	632668	3490.02	CP-OFDM QPSK	1@215	24.77	24.27	0.2673
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	26.44	25.94	0.3926
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.48	25.98	0.3963
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	26.26	25.76	0.3767
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	26.46	25.96	0.3945
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.57	26.07	0.4046
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	26.23	25.73	0.3741
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	25.49	24.99	0.3155
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.64	25.14	0.3266
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	25.23	24.73	0.2972
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	23.99	23.49	0.2234
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.2	23.7	0.2344
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	23.81	23.31	0.2143
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	21.98	21.48	0.1406
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.78	21.28	0.1343
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	21.61	21.11	0.1291
78	30	80	633334	3500.01	CP-OFDM QPSK	109@54	24.97	24.47	0.2799
78	30	80	633334	3500.01	CP-OFDM QPSK	1@1	25.04	24.54	0.2844
78	30	80	633334	3500.01	CP-OFDM QPSK	1@215	24.66	24.16	0.2606
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	108@54	26.45	25.95	0.3936
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	26.53	26.03	0.4009
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@215	26.1	25.6	0.3631
78	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	26.47	25.97	0.3954
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	26.52	26.02	0.3999
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	26.09	25.59	0.3622
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	108@54	25.42	24.92	0.3105
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	25.66	25.16	0.3281
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@215	25.25	24.75	0.2985

78	30	80	634000	3510	DFT-s-OFDM 64 QAM	108@54	24.01	23.51	0.2244
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@1	24.07	23.57	0.2275
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@215	23.63	23.13	0.2056
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	108@54	21.99	21.49	0.1409
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@1	21.84	21.34	0.1361
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@215	21.48	20.98	0.1253
78	30	80	634000	3510	CP-OFDM QPSK	109@54	24.94	24.44	0.2780
78	30	80	634000	3510	CP-OFDM QPSK	1@1	25.01	24.51	0.2825
78	30	80	634000	3510	CP-OFDM QPSK	1@215	24.66	24.16	0.2606
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	120@60	26.55	26.05	0.4027
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	26.52	26.02	0.3999
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@243	26.16	25.66	0.3681
78	30	90	633000	3495	DFT-s-OFDM QPSK	120@60	26.54	26.04	0.4018
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	26.57	26.07	0.4046
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@243	26.28	25.78	0.3784
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	120@60	25.57	25.07	0.3214
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	25.71	25.21	0.3319
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@243	25.36	24.86	0.3062
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	120@60	24.07	23.57	0.2275
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@1	24.11	23.61	0.2296
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@243	23.79	23.29	0.2133
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	120@60	22.07	21.57	0.1435
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@1	22.05	21.55	0.1429
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@243	21.76	21.26	0.1337
78	30	90	633000	3495	CP-OFDM QPSK	123@61	25.09	24.59	0.2877
78	30	90	633000	3495	CP-OFDM QPSK	1@1	25.15	24.65	0.2917
78	30	90	633000	3495	CP-OFDM QPSK	1@243	24.67	24.17	0.2612
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	120@60	26.45	25.95	0.3936
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.46	25.96	0.3945
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@243	26.23	25.73	0.3741
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	26.46	25.96	0.3945
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.46	25.96	0.3945
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	26.1	25.6	0.3631
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	120@60	25.48	24.98	0.3148

78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.62	25.12	0.3251
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@243	25.28	24.78	0.3006
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	120@60	24.01	23.51	0.2244
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.03	23.53	0.2254
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@243	23.71	23.21	0.2094
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	120@60	22.01	21.51	0.1416
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.94	21.44	0.1393
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@243	21.6	21.1	0.1288
78	30	90	633334	3500.01	CP-OFDM QPSK	123@61	24.98	24.48	0.2805
78	30	90	633334	3500.01	CP-OFDM QPSK	1@1	25.12	24.62	0.2897
78	30	90	633334	3500.01	CP-OFDM QPSK	1@243	24.66	24.16	0.2606
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	120@60	26.47	25.97	0.3954
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	26.54	26.04	0.4018
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@243	26.14	25.64	0.3664
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	26.46	25.96	0.3945
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	26.55	26.05	0.4027
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	26.16	25.66	0.3681
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	25.49	24.99	0.3155
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	25.67	25.17	0.3289
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	25.32	24.82	0.3034
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	120@60	23.98	23.48	0.2228
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@1	24.07	23.57	0.2275
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@243	23.68	23.18	0.2080
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	120@60	21.97	21.47	0.1403
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@1	21.87	21.37	0.1371
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@243	21.46	20.96	0.1247
78	30	90	633666	3504.99	CP-OFDM QPSK	123@61	25	24.5	0.2818
78	30	90	633666	3504.99	CP-OFDM QPSK	1@1	25.13	24.63	0.2904
78	30	90	633666	3504.99	CP-OFDM QPSK	1@243	24.6	24.1	0.2570
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	26.49	25.99	0.3972
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.51	26.01	0.3990
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	26.19	25.69	0.3707
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	26.45	25.95	0.3936
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.49	25.99	0.3972

78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	26.11	25.61	0.3639
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	25.52	25.02	0.3177
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.54	25.04	0.3192
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	25.19	24.69	0.2944
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	24.04	23.54	0.2259
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.12	23.62	0.2301
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	23.67	23.17	0.2075
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	22	21.5	0.1413
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.91	21.41	0.1384
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	21.54	21.04	0.1271
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.97	24.47	0.2799
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	25.04	24.54	0.2844
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	24.62	24.12	0.2582

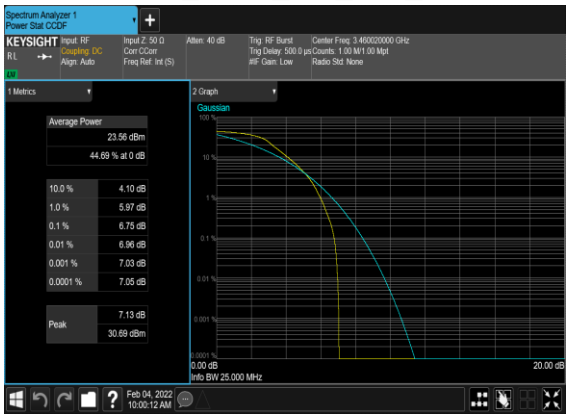
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00059	**PASS**	NV
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00247	**PASS**	LV
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00055	**PASS**	HV
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00317	**PASS**	-30℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00413	**PASS**	-20℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00527	**PASS**	-10℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00418	**PASS**	0℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00525	**PASS**	10℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00021	**PASS**	20℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00614	**PASS**	30℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00211	**PASS**	40℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00207	**PASS**	50℃

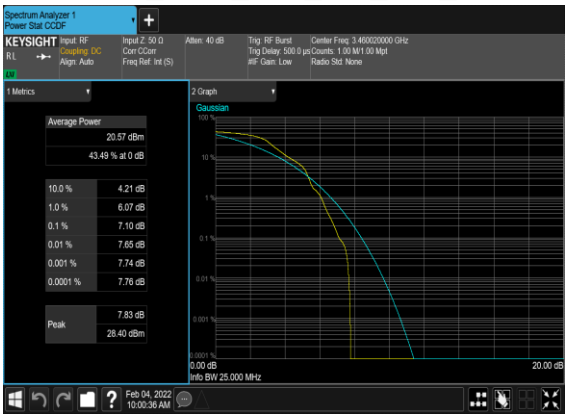
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	50@0	6.75	13	**PASS**
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@0	7.1	13	**PASS**
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	7.99	13	**PASS**
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	8.77	13	**PASS**
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	6.8	13	**PASS**
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	7.1	13	**PASS**
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	8.01	13	**PASS**
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	8.82	13	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	50@0	6.64	13	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@0	7.07	13	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	50@0	7.88	13	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	8.94	13	**PASS**

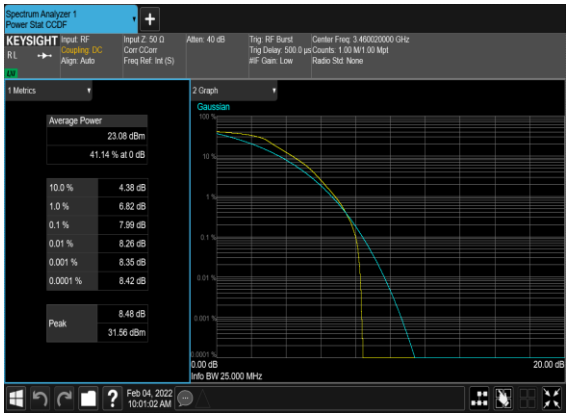
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



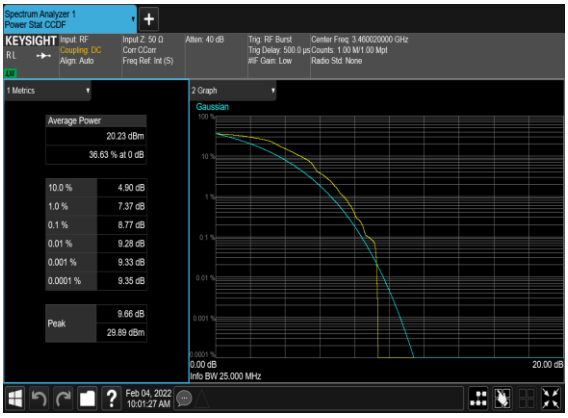
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



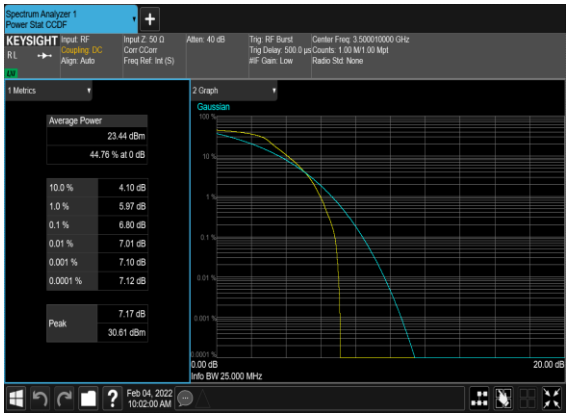
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



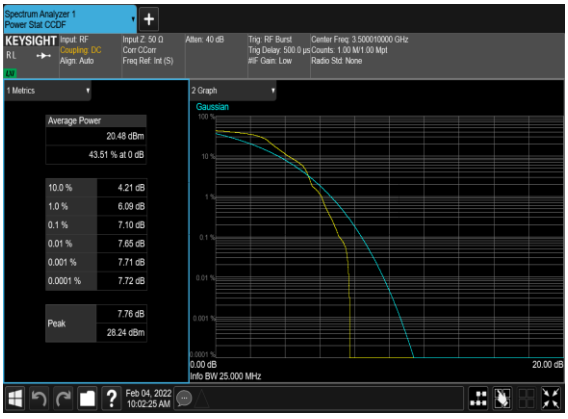
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



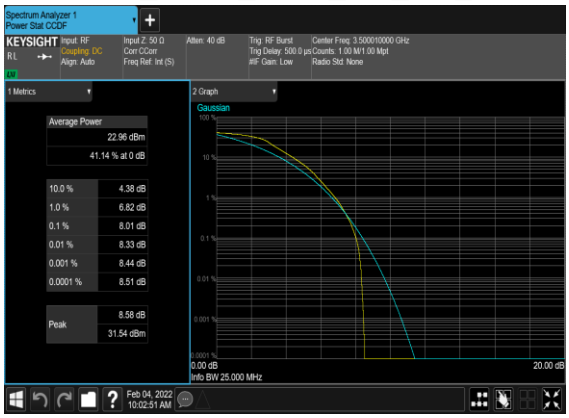
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



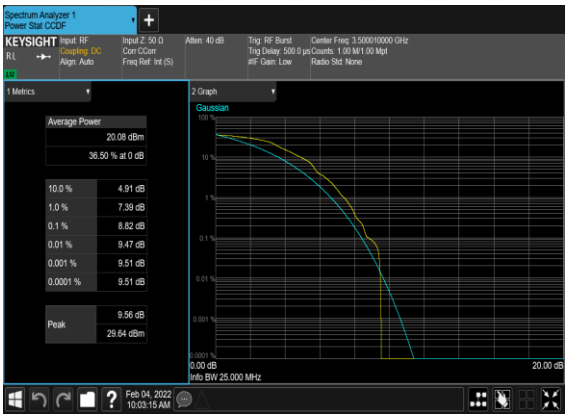
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



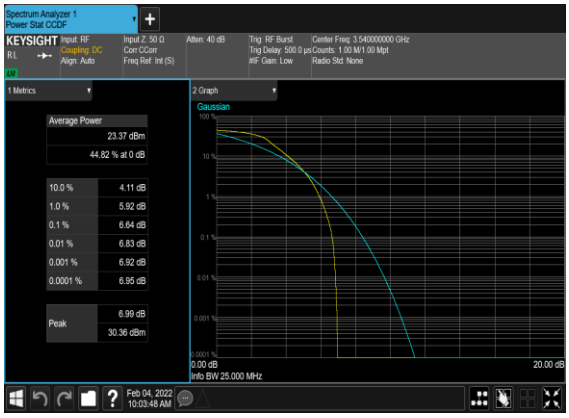
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



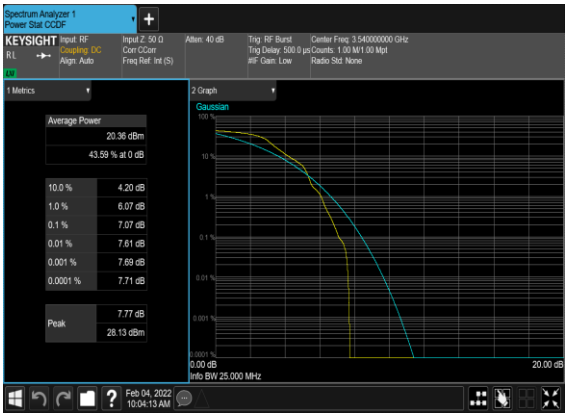
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH

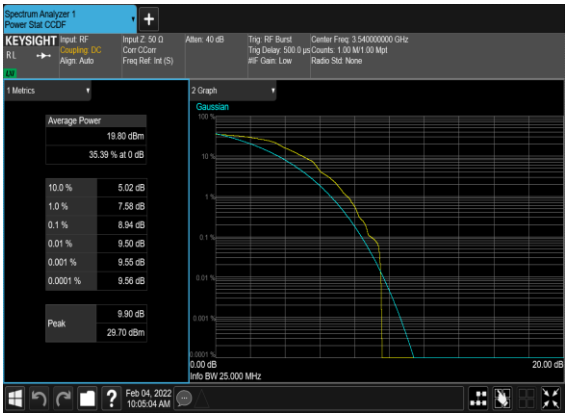


N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



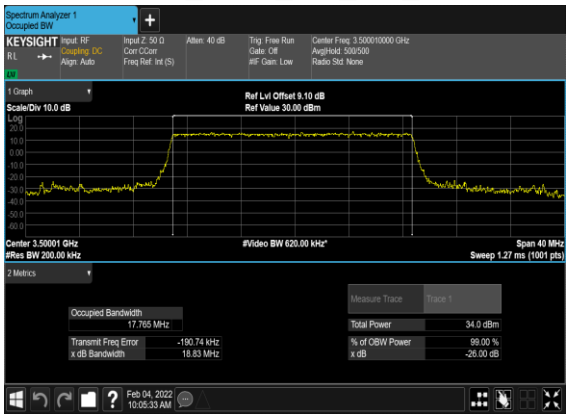
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	17.765	18.83
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	17.779	18.82
78	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.216	19.51
78	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.241	19.56
78	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.207	19.51
78	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.181	19.41
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	75@0	26.735	28.03
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	75@0	26.741	28.08
78	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.819	29.43
78	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.87	29.23
78	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.82	29.1
78	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.838	29.3
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	35.711	37.42
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	100@0	35.725	37.2
78	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.888	39.41
78	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.872	39.41
78	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.841	39.49
78	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.841	39.54
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	128@0	45.76	47.59
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	128@0	45.803	47.3
78	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.426	49.3
78	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.537	49.13
78	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.425	49.29
78	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.539	49.04

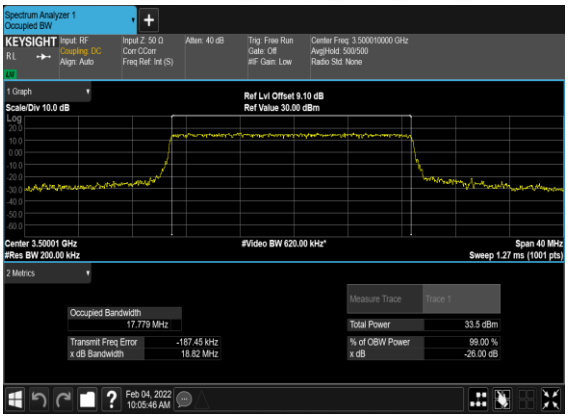
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	162@0	57.818	59.89
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	162@0	57.863	59.68
78	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.808	59.8
78	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.739	59.84
78	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.851	59.83
78	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.823	59.88
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	180@0	64.392	66.45
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	180@0	64.328	66.45
78	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.529	69.66
78	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.395	69.57
78	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.544	69.67
78	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.446	69.72
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	216@0	77.178	79.68
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	216@0	77.155	79.66
78	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.358	80.21
78	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.632	80.07
78	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.448	80.04
78	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.287	80.0
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	240@0	85.716	88.47
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	240@0	85.717	88.58
78	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.574	90.26
78	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.35	90.3
78	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.43	90.24
78	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.645	90.27
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	96.472	99.53
78	30	100	633334	3500.01	DFT-s-OFDM	270@0	96.444	99.57

					QPSK			
78	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.4	100.6
78	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.431	100.5
78	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.323	100.5
78	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.59	100.6

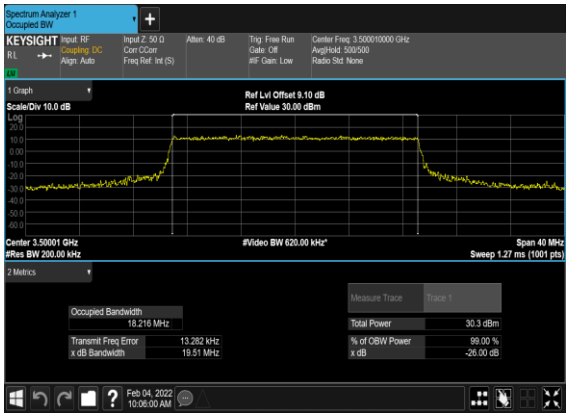
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N78(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

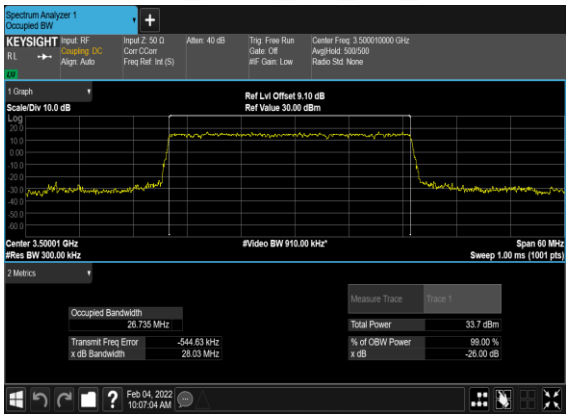


N78(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

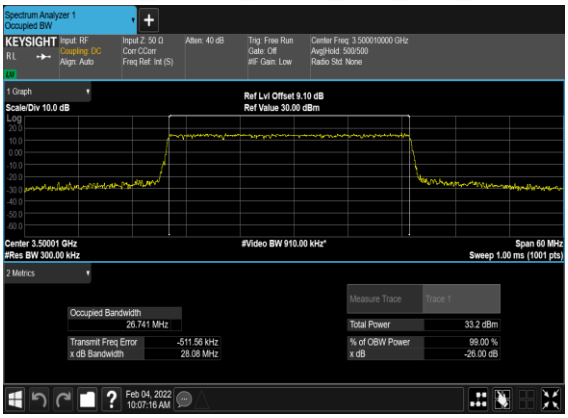
N78(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N78(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N78(30M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

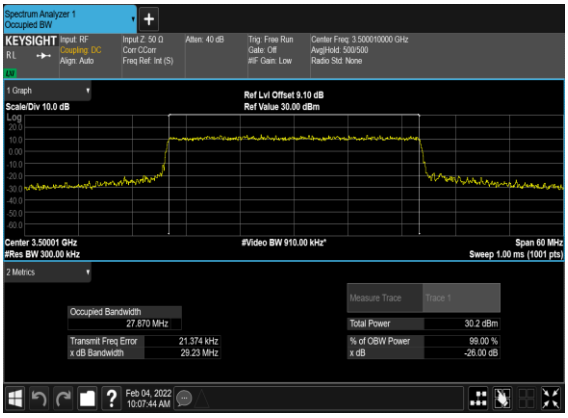


N78(30M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



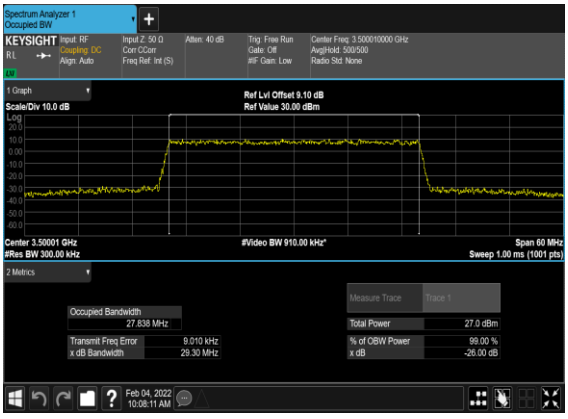
N78(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N78(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

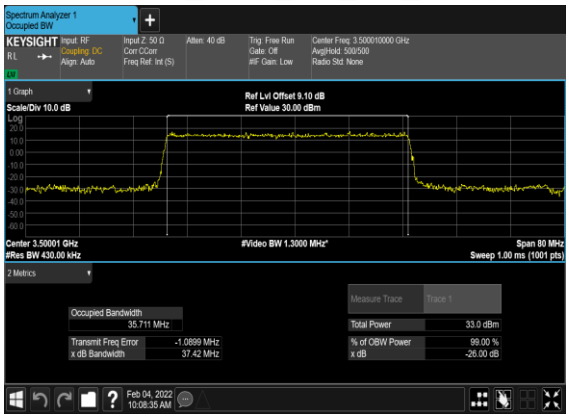


N78(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N78(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

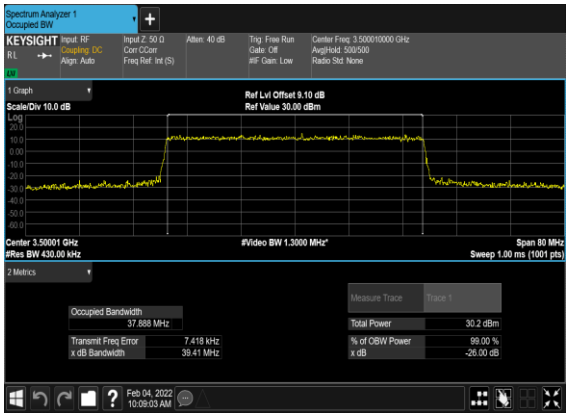


N78(40M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

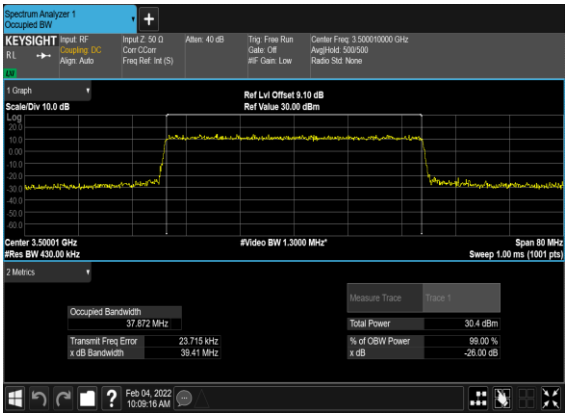


N78(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

N78(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



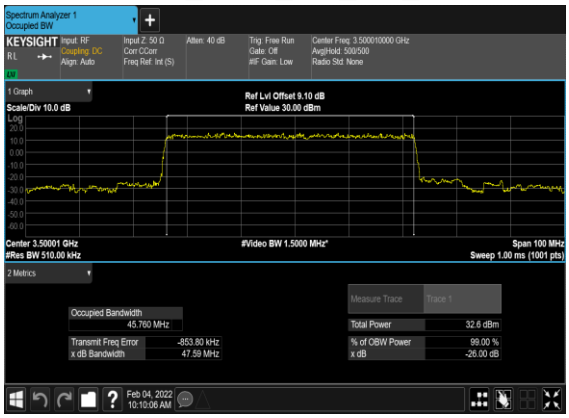
N78(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



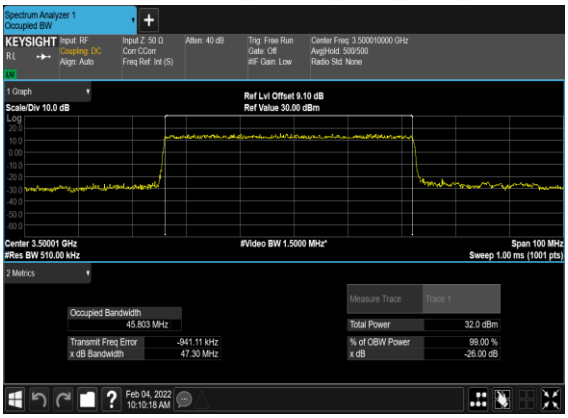
N78(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N78(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

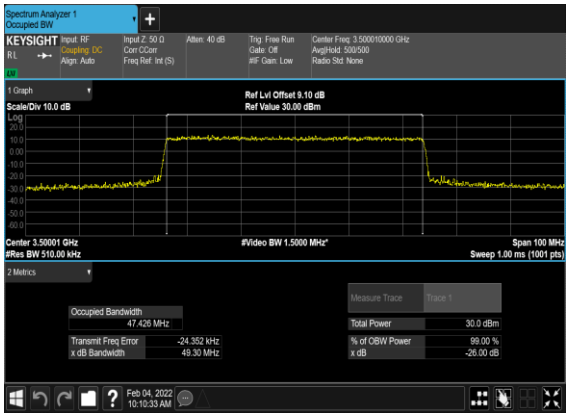
N78(50M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



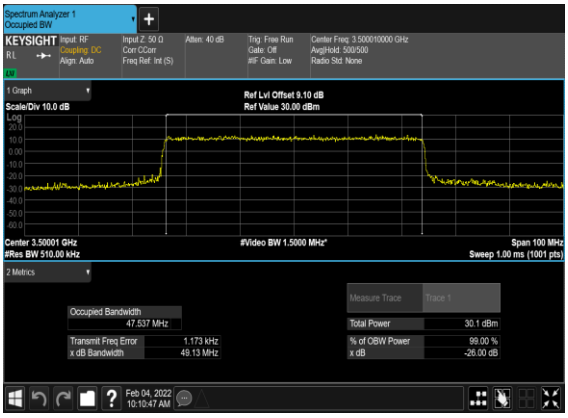
N78(50M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N78(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

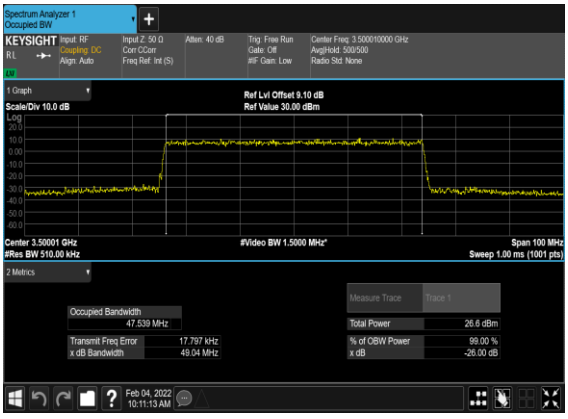


N78(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

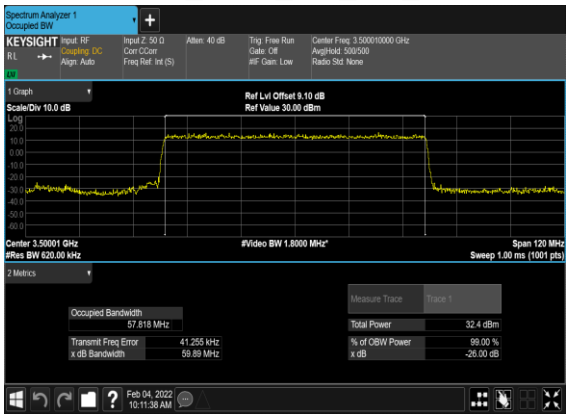


N78(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

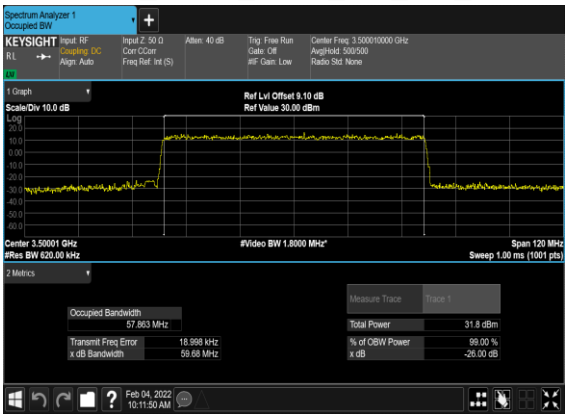
N78(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



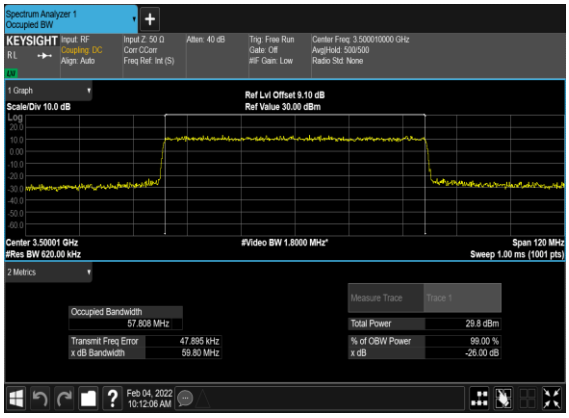
N78(60M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



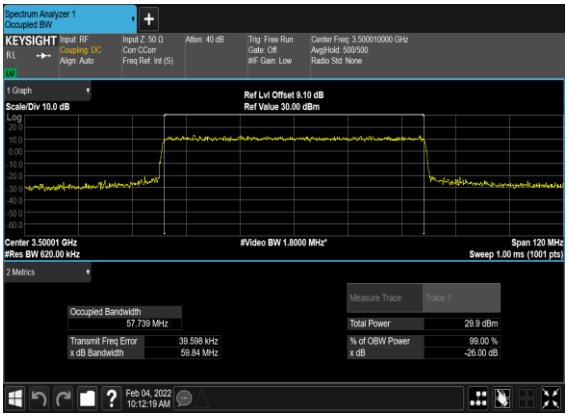
N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



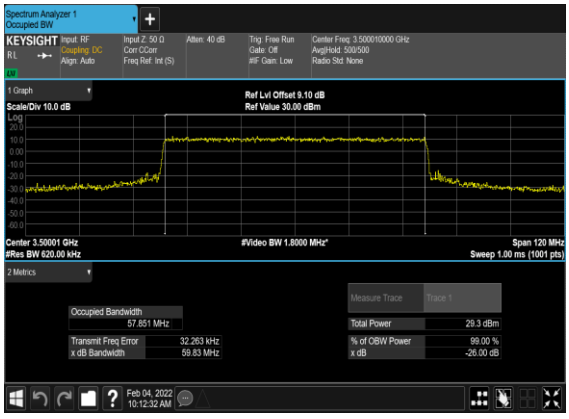
N78(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



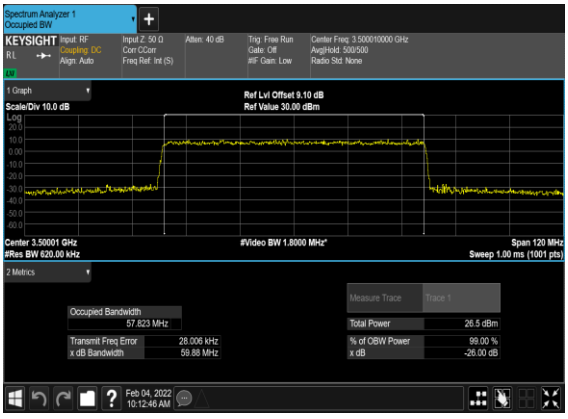
N78(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



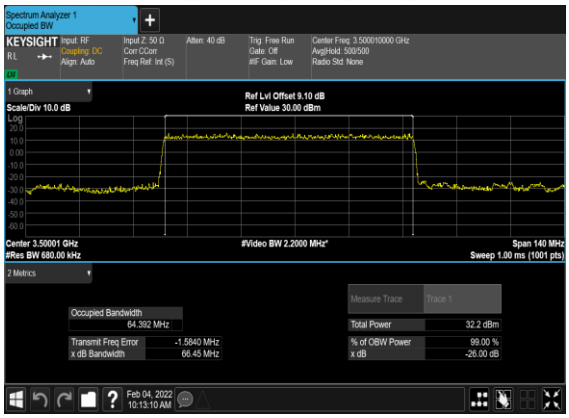
N78(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



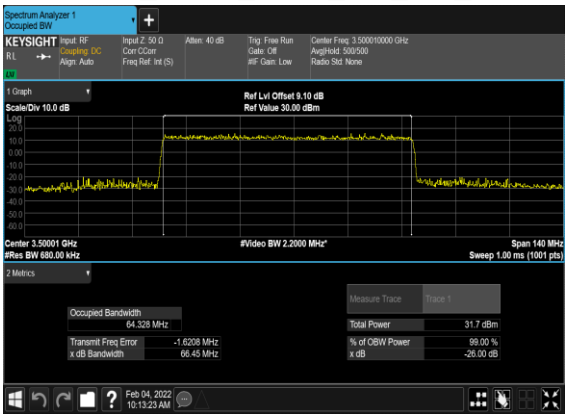
N78(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



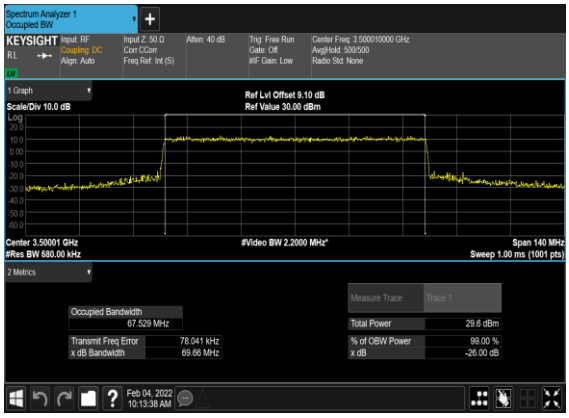
N78(70M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



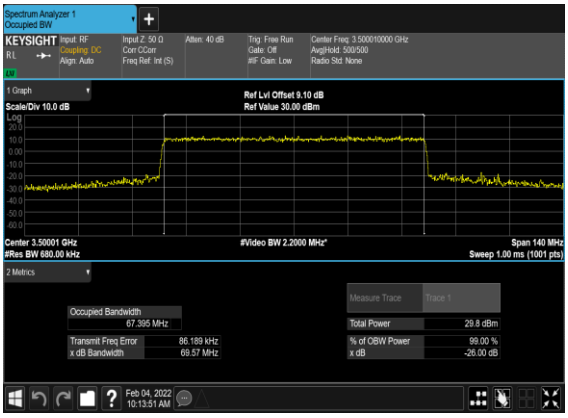
N78(70M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



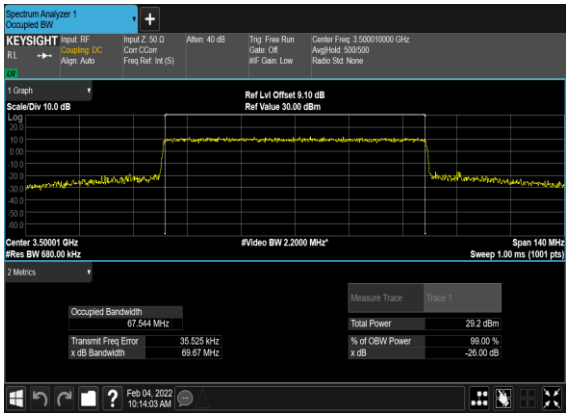
N78(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

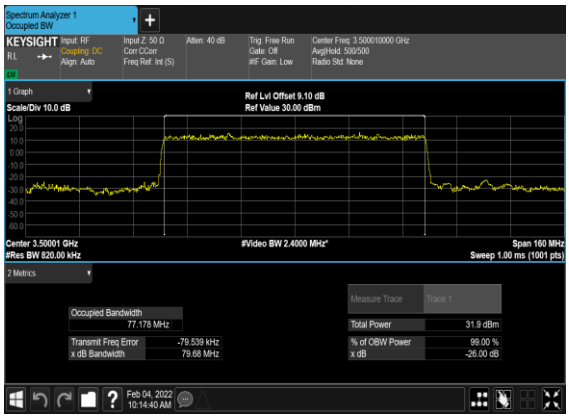


N78(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

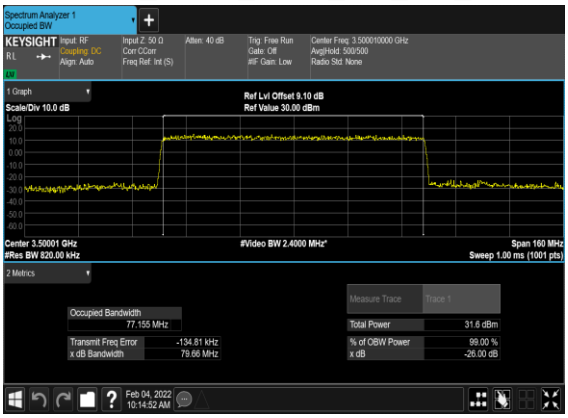


N78(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

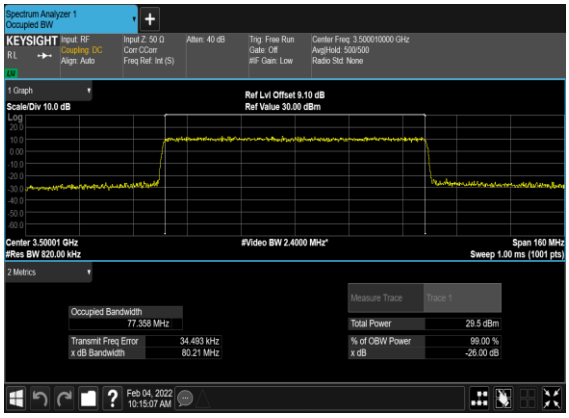
N78(80M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



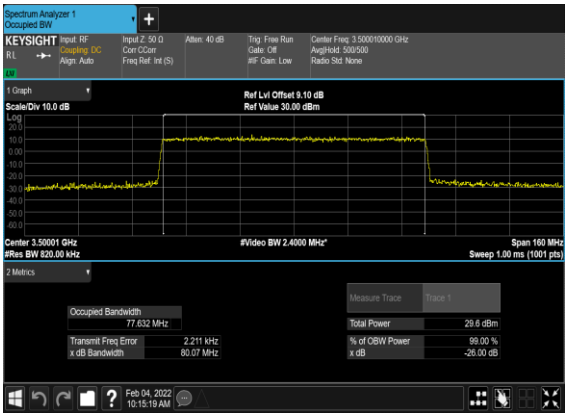
N78(80M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N78(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

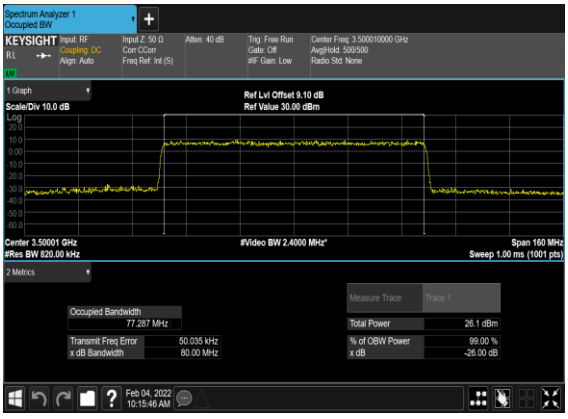


N78(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



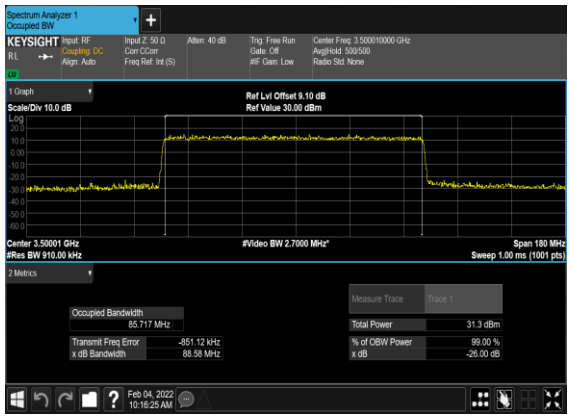
N78(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N78(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

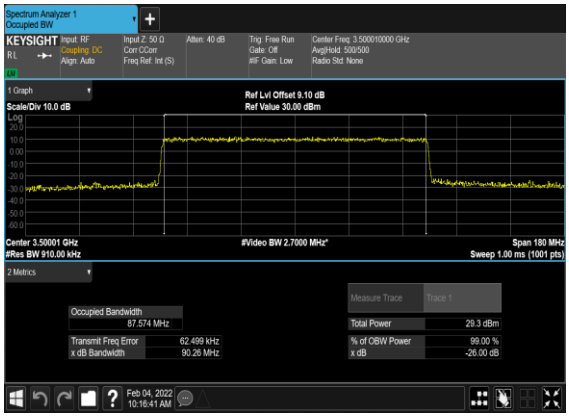


N78(90M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

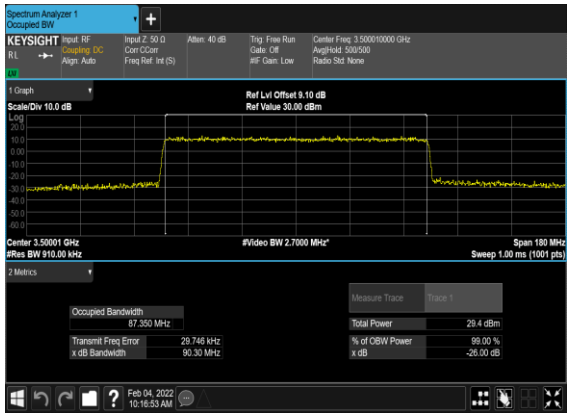
N78(90M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N78(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

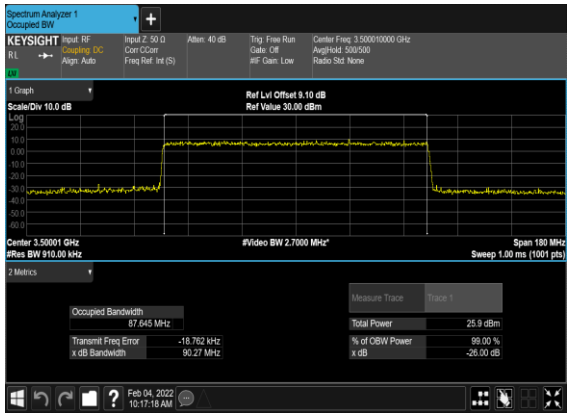


N78(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

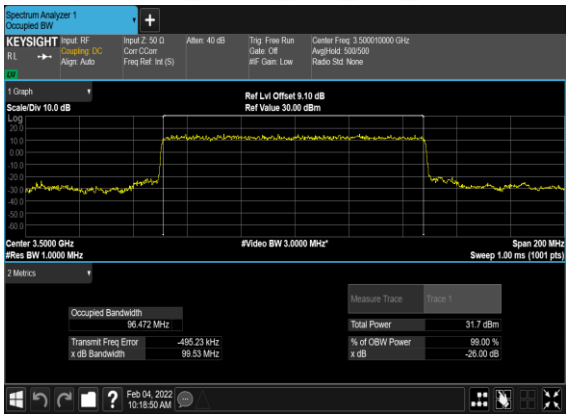


N78(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

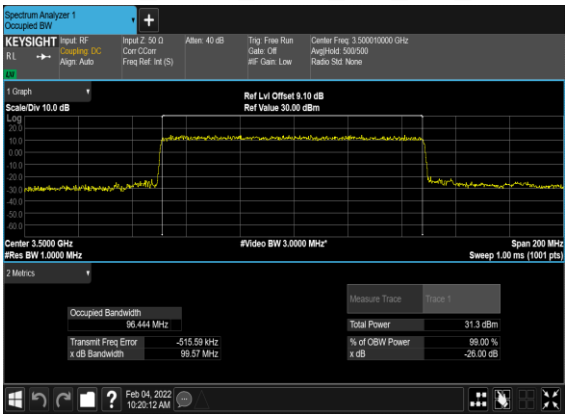
N78(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



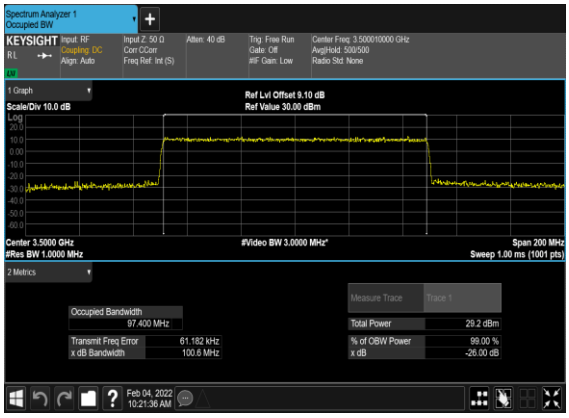
N78(100M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



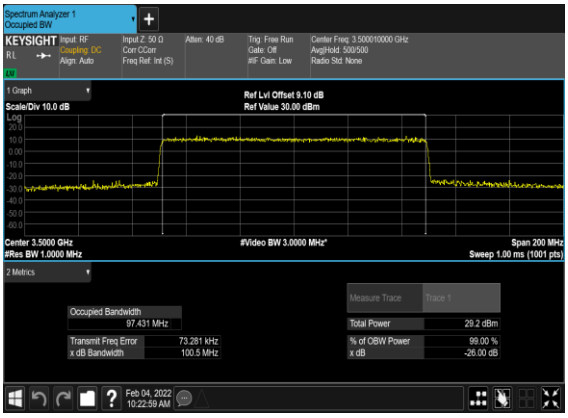
N78(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



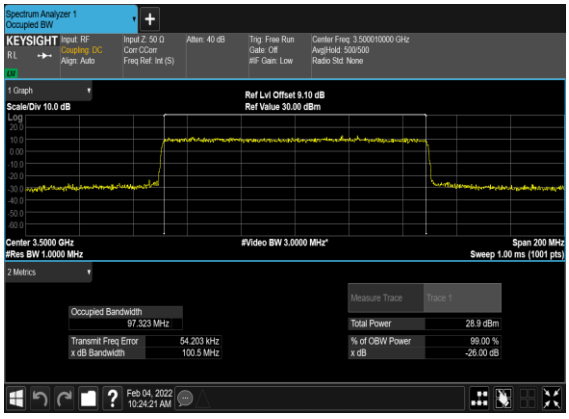
N78(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N78(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N78(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



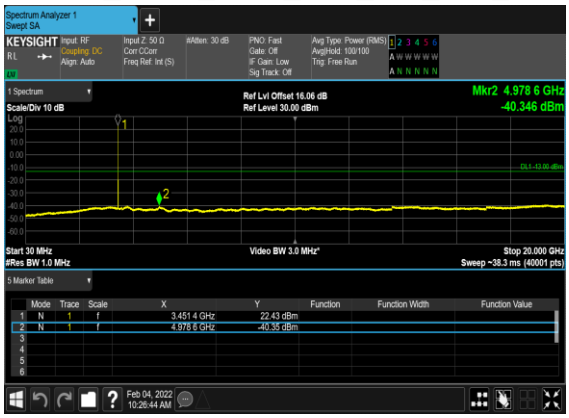
N78(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

Conducted Spurious Emissions

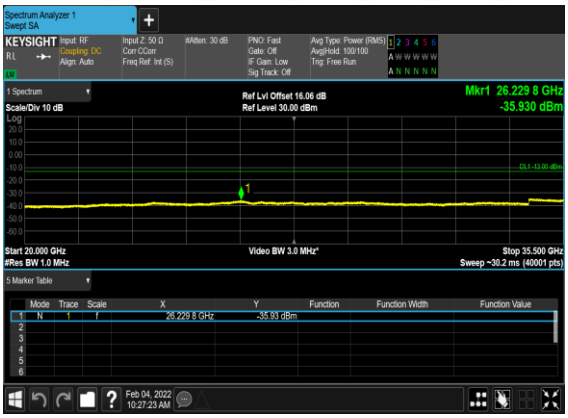
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	20	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	30	20	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	20	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	30	20	636000	3540.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	**---**

78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	60	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	30	60	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	60	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

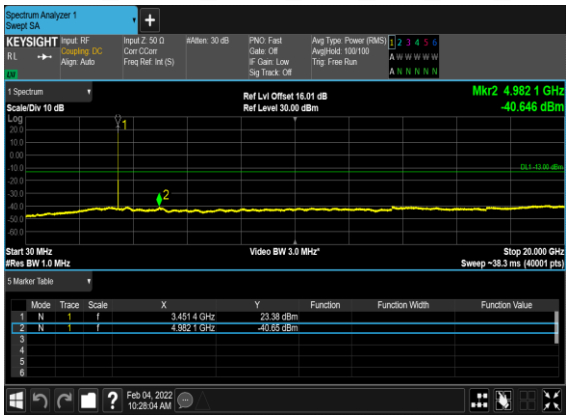
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



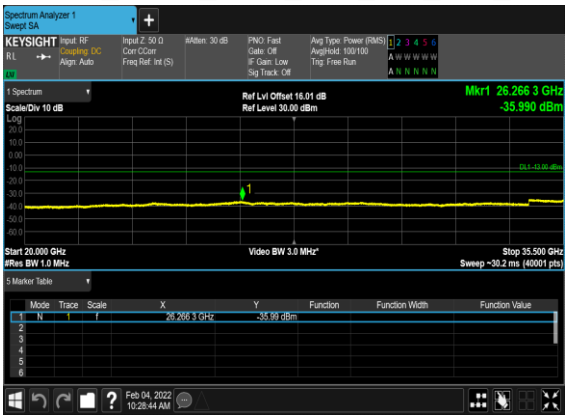
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



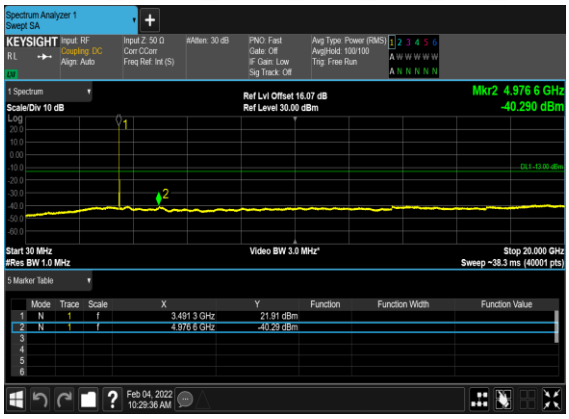
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



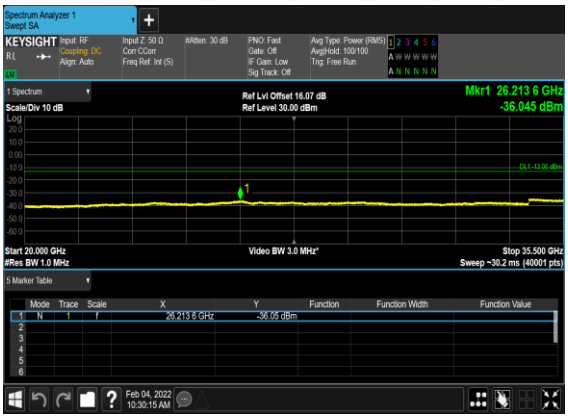
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



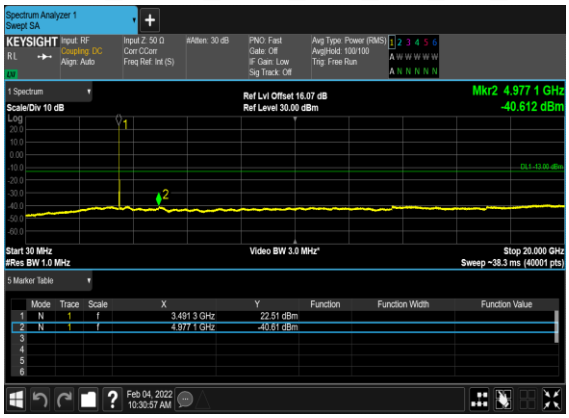
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



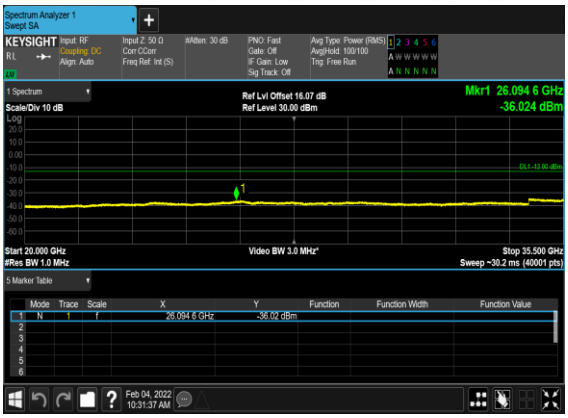
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



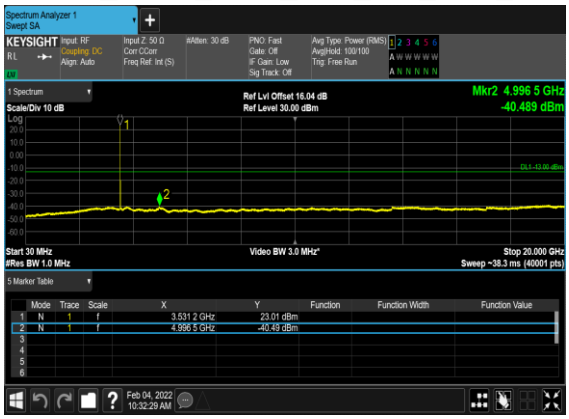
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



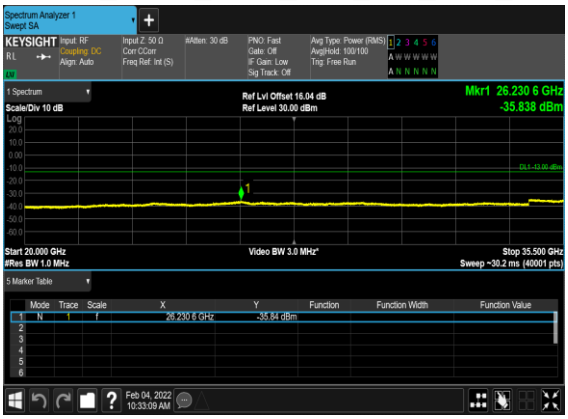
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



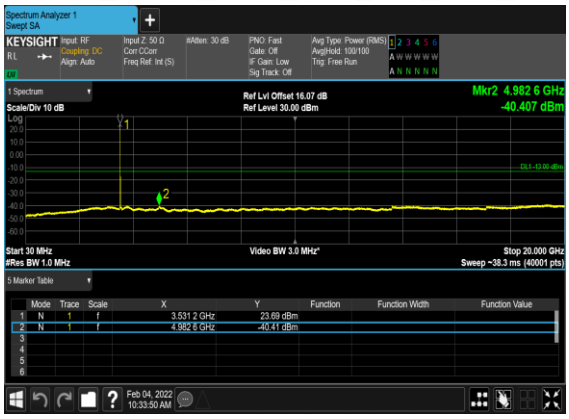
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



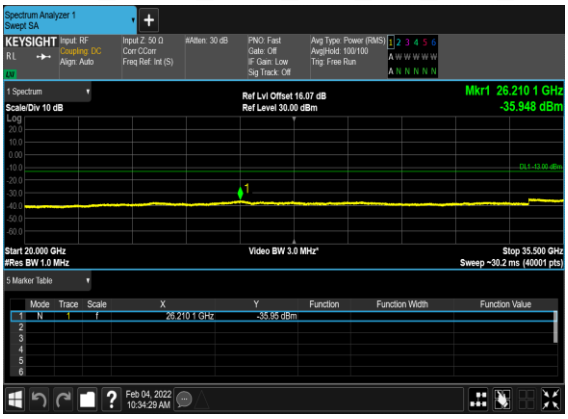
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



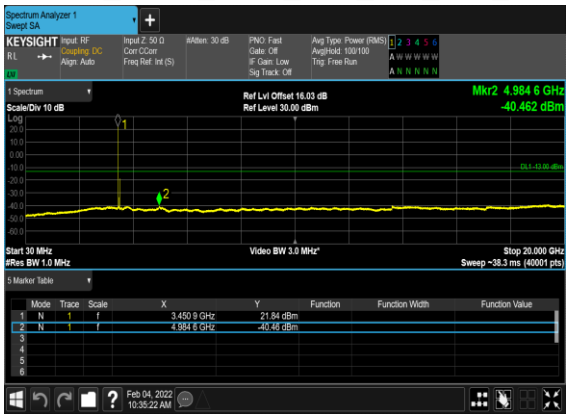
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



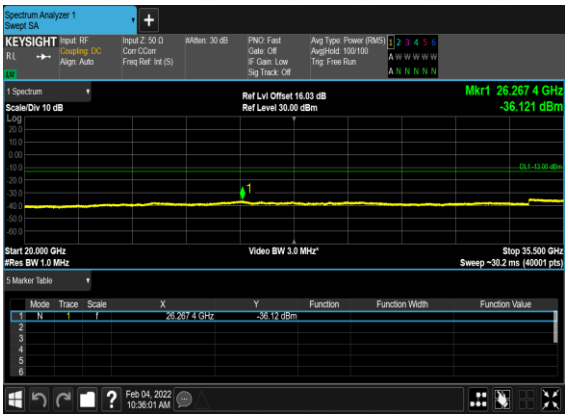
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



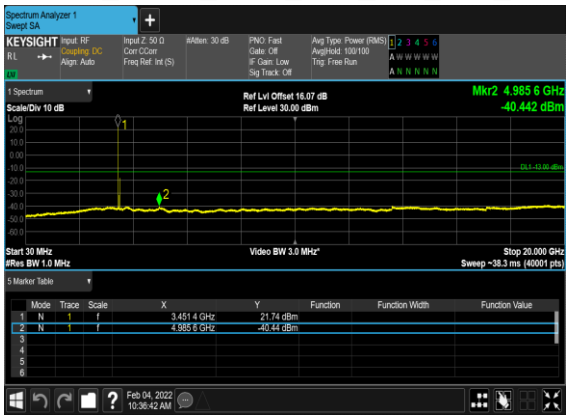
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



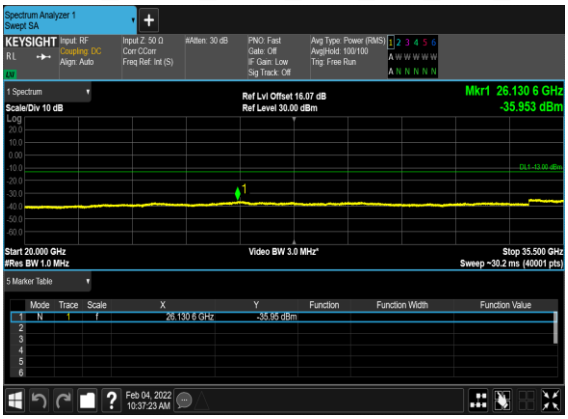
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



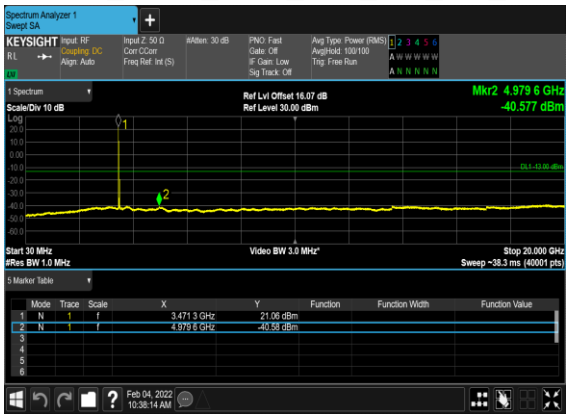
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH