FCC RF Test Report

APPLICANT	:	Xiaomi Communications Co., Ltd.
EQUIPMENT	:	Mobile Phone
BRAND NAME	:	POCO
MODEL NAME	:	22011211G
FCC ID	:	2AFZZ211G
STANDARD	:	47 CFR Part 2, Part 27 Subpart Q
CLASSIFICATION	:	PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	:	Jan. 20, 2022 ~ Feb. 09, 2022

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

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

Reviewed by: Derreck Chen / Supervisor

Approved by: Eric Shih / Manager

ACCREDITED Cert #5145.01

Sporton International Inc. (ShenZhen)

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055

People's Republic of China

TABLE OF CONTENTS

REVISION HISTORY **3**
SUMMARY OF TEST RESULT **4**
1 GENERAL DESCRIPTION **5**
1.1 Applicant 5
1.2 Manufacturer 5
1.3 Product Feature of Equipment Under Test 5
1.4 Product Specification of Equipment Under Test 6
1.5 Modification of EUT 6
1.6 Maximum EIRP Power and Emission Designator 7
1.7 Testing Site 9
1.8 Test Software 9
1.9 Applied Standards 10
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST **11**
2.1 Test Mode 11
2.2 Connection Diagram of Test System 12
2.3 Support Unit used in test configuration and system 12
2.4 Measurement Results Explanation Example 12
2.5 Frequency List of Low/Middle/High Channels 13
3 CONDUCTED TEST ITEMS **15**
3.1 Measuring Instruments 15
3.2 Test Setup 15
3.3 Test Result of Conducted Test 15
3.4 Conducted Output Power Measurement 16
3.5 Peak-to-Average Ratio 17
3.6 EIRP 18
3.7 Occupied Bandwidth 19
3.8 Conducted Band Edge Measurement 20
3.9 Conducted Spurious Emission Measurement 21
3.10 Frequency Stability Measurement 22
4 RADIATED TEST ITEMS **23**
4.1 Measuring Instruments 23
4.2 Test Setup 23
4.3 Test Result of Radiated Test 24
4.4 Radiated Spurious Emission Measurement 25
5 LIST OF MEASURING EQUIPMENT **26**
6 UNCERTAINTY OF EVALUATION **27**
APPENDIX A. TEST RESULTS OF CONDUCTED TEST
APPENDIX B. TEST RESULTS OF RADIATED TEST
APPENDIX C. TEST SETUP PHOTOGRAPHS

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG1D3005H	Rev. 01	Initial issue of report	Feb. 16, 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 34.91 dB at 14000.040 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

Xiaomi Communications Co., Ltd.
#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

1.2 Manufacturer

Xiaomi Communications Co., Ltd.
#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	POCO
Model Name	22011211G
FCC ID	2AFZZ211G
IMEI Code	Conducted: 860000050060420 Radiation: 860000050055440/860000050055457
HW Version	P2
SW Version	MIUI 13
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	n77, n78(15kHz): 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 40MHz / 50MHz n77, n78(30kHz): 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz
SCS	15kHz/30kHz
Antenna Gain	For Ant 4: 5G NR n77 : -1.02 dBi 5G NR n78 : -1.02 dBi For Ant 6: 5G NR n77 : -1.68 dBi 5G NR n78 : -1.68 dBi For Ant 7: 5G NR n77 : -1.01 dBi 5G NR n78 : -1.01 dBi For Ant 8: 5G NR n77 : -1.89 dBi 5G NR n78 : -1.89 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. The maximum EIRP is calculated from max output power and max antenna gain, only the maximum EIRP is shown in the report, 5G NR n77/n78 for Antenna 4.
2. 5G NR Band supports SA and NSA mode for SCS 15kHz/30kHz. According to the maximum power between SA and NSA mode, SA covers NSA mode for 5G NR n78.
3. 5G NR Band supports SA mode for SCS 15kHz/30kHz of 5G NR n77 only.
4. The device supports HPUE mode for 5G NR SA n78.
5. 5G NR Band n78 covers n77 according to the maximum power.
6. The EN-DC mode combination could be referred to the product spec.

1.5 Modification of EUT

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

1.6 Maximum EIRP Power and Emission Designator

5G NR n77 -15kHz		PI/2 BPSK / QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10	3455.01 ~ 3544.995	0.3055	9M29G7D	0.2438	9M29W7D
15	3457.5 ~ 3542.49	0.3062	14M1G7D	0.2449	14M1W7D
20	3460.005 ~ 3540	0.3062	18M9G7D	0.2438	18M9W7D
25	3462.51 ~ 3537.495	0.2972	23M7G7D	0.2355	23M7W7D
30	3465 ~ 3534.99	0.3027	28M6G7D	0.2415	28M6W7D
40	3470.01 ~ 3529.995	0.3027	38M6G7D	0.2415	38M6W7D
50	3475.005 ~ 3525	0.3034	48M2G7D	0.2410	48M2W7D

5G NR n77 -30kHz		PI/2 BPSK / QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10	3455.01 ~ 3544.98	0.2897	8M59G7D	0.2344	8M58W7D
15	3457.5 ~ 3542.49	0.2911	13M6G7D	0.2328	13M6W7D
20	3460.02 ~ 3540	0.2958	18M2G7D	0.2339	18M3W7D
25	3462.51 ~ 3537.48	0.2818	23M2G7D	0.2270	23M2W7D
30	3465 ~ 3534.99	0.2891	27M8G7D	0.2296	27M8W7D
40	3470.01 ~ 3529.98	0.2904	37M8G7D	0.2296	37M9W7D
50	3475.02 ~ 3525	0.2911	47M4G7D	0.2312	47M5W7D
60	3480 ~ 3519.99	0.2891	57M9G7D	0.2323	57M8W7D
70	3485.01 ~ 3514.98	0.2911	67M4G7D	0.2296	68M3W7D
80	3490.02 ~ 3510	0.2931	77M6G7D	0.2328	77M6W7D
90	3495 ~ 3504.99	0.2951	87M4G7D	0.2323	87M6W7D
100	3500.01 ~ 3500.01	0.2897	97M4G7D	0.2323	97M6W7D

5G NR n78-15kHz		PI/2 BPSK / QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10	3455.01 ~ 3544.995	0.4188	9M29G7D	0.3334	9M29W7D
15	3457.5 ~ 3542.49	0.4207	14M1G7D	0.3350	14M1W7D
20	3460.005 ~ 3540	0.4227	18M9G7D	0.3388	18M9W7D
25	3462.51 ~ 3537.495	0.4009	23M7G7D	0.3184	23M7W7D
30	3465 ~ 3534.99	0.4102	28M6G7D	0.3251	28M6W7D
40	3470.01 ~ 3529.995	0.4093	38M6G7D	0.3273	38M6W7D
50	3475.005 ~ 3525	0.4121	48M2G7D	0.3266	48M2W7D

5G NR n78-30kHz		PI/2 BPSK / QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10	3455.01 ~ 3544.98	0.3999	8M59G7D	0.3214	8M58W7D
15	3457.5 ~ 3542.49	0.4018	13M6G7D	0.3214	13M6W7D
20	3460.02 ~ 3540	0.4083	18M2G7D	0.3258	18M3W7D
25	3462.51 ~ 3537.48	0.3864	23M2G7D	0.3076	23M2W7D
30	3465 ~ 3534.99	0.3917	27M8G7D	0.3097	27M8W7D
40	3470.01 ~ 3529.98	0.3882	37M8G7D	0.3126	37M9W7D
50	3475.02 ~ 3525	0.3899	47M4G7D	0.3090	47M5W7D
60	3480 ~ 3519.99	0.3890	57M9G7D	0.3090	57M8W7D
70	3485.01 ~ 3514.98	0.3963	67M4G7D	0.3126	68M3W7D
80	3490.02 ~ 3510	0.3990	77M6G7D	0.3214	77M6W7D
90	3495 ~ 3504.99	0.3999	87M4G7D	0.3133	87M6W7D
100	3500.01 ~ 3500.01	0.3917	97M4G7D	0.3133	97M6W7D

1.7 Testing Site

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

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

Test Firm	Sporton International Inc. (Shenzhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH03-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH03-SZ	AUDIX	E3	6.2009-8-24

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.

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.

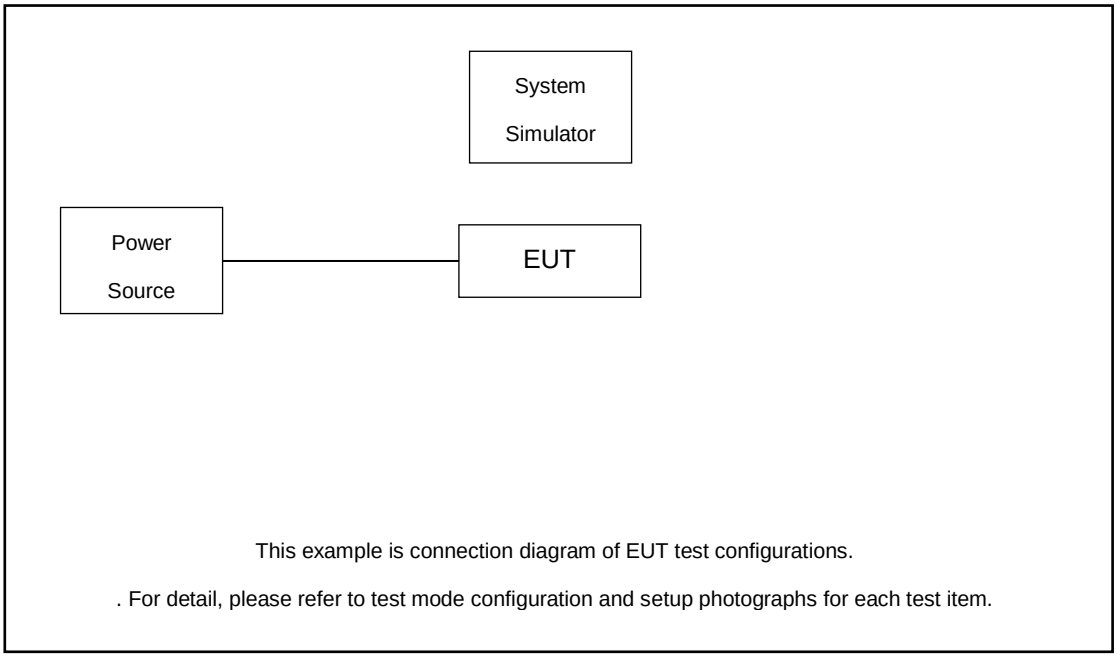
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

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/n78	10MHz, 15MHz, 20MHz , 25MHz, 30MHz, 40MHz , 50MHz, 60MHz, 70MHz , 80MHz, 90MHz, 100MHz	BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB, Partial RB, Full RB	L, M, H
Peak-to-Average Ratio	5G n78	20M	BPSK, QPSK	1RB, Full RB	L, M, H
E.I.R.P	5G n77/n78	10MHz, 15MHz, 20MHz , 25MHz, 30MHz, 40MHz , 50MHz, 60MHz, 70MHz , 80MHz, 90MHz, 100MHz	BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB, Partial RB, Full RB	L, M, H
26dB and 99% Bandwidth	5G n78	10MHz, 15MHz, 20MHz , 25MHz, 30MHz, 40MHz , 50MHz, 60MHz, 70MHz , 80MHz, 90MHz, 100MHz	QPSK, 16QAM	Full RB	M
Conducted Band Edge	5G n78	10M, 25M,50M,100M	BPSK, QPSK	1RB, Full RB	L, H
Conducted Spurious Emission	5G n78	10M, 25M,50M,100M	BPSK, QPSK	1RB	L, M, H
Frequency Stability	5G n78	20M	QPSK	Full RB	M
Radiated Spurious Emission	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. 5G NR n78 overlaps the entire frequency range of n77, Therefore, the test results provided in this report covers n78 as well as n77.
3. Normal Voltage: 3.85Vdc, Extreme Voltage: 3.6Vdc ~4.25Vdc

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	Power Supply	GWINSTEK	PSS-2002	N/A	N/A	Unshielded,1.8m
2.	Base Station	Anritsu	MT8821C	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 4.2 dB and 10dB attenuator.

Example :

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

= 4.2 + 10 = 14.2 (dB)

2.5 Frequency List of Low/Middle/High Channels

5G n77/n78 Channel and Frequency List-15kHz				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
50	Channel	631667	633334	635000
	Frequency	3475.005	3500.01	3525
40	Channel	631334	633334	635333
	Frequency	3470.01	3500.01	3529.995
30	Channel	631000	633334	635666
	Frequency	3465	3500.01	3534.99
25	Channel	630834	633334	635833
	Frequency	3462.51	3500.01	3537.495
20	Channel	630667	633334	636000
	Frequency	3460.005	3500.01	3540
15	Channel	630500	633334	636166
	Frequency	3457.5	3500.01	3542.49
10	Channel	630334	633334	636333
	Frequency	3455.01	3500.01	3544.995

5G n77/n78 Channel and Frequency List-30kHz				
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
25	Channel	630834	633334	635832
	Frequency	3462.51	3500.01	3537.48
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540
15	Channel	630500	633334	636166
	Frequency	3457.5	3500.01	3542.49
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98

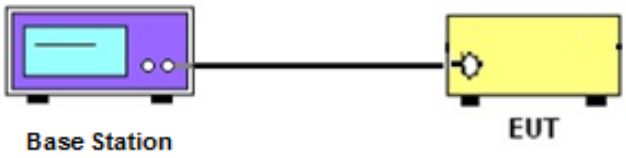
3 Conducted Test Items

3.1 Measuring Instruments

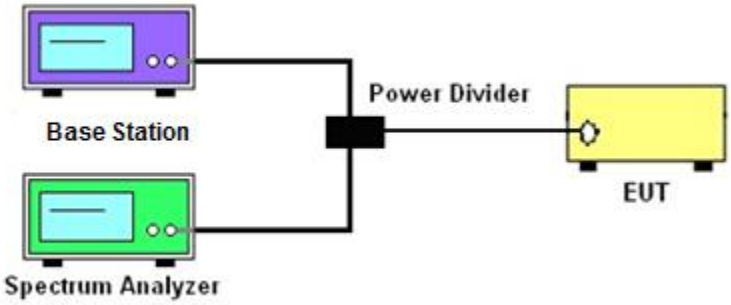
See list of measuring instruments of this test report.

3.2 Test Setup

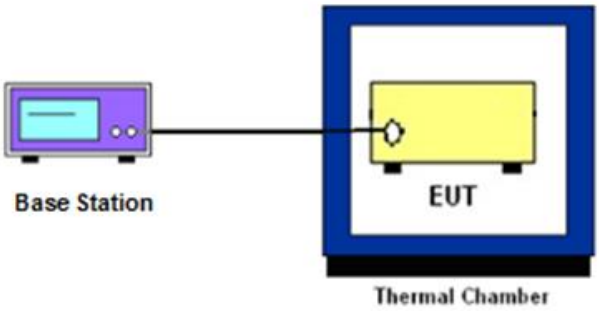
3.2.1 Conducted Output Power



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 30MHz up to a frequency including its 10th 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.

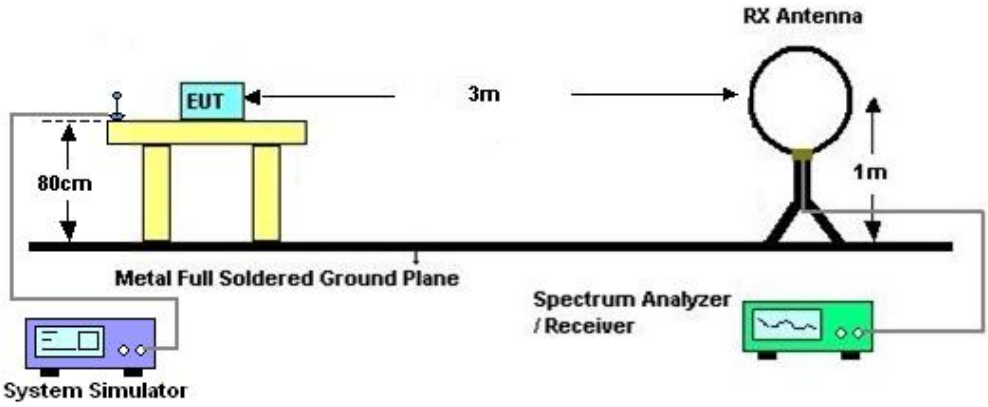
4 Radiated Test Items

4.1 Measuring Instruments

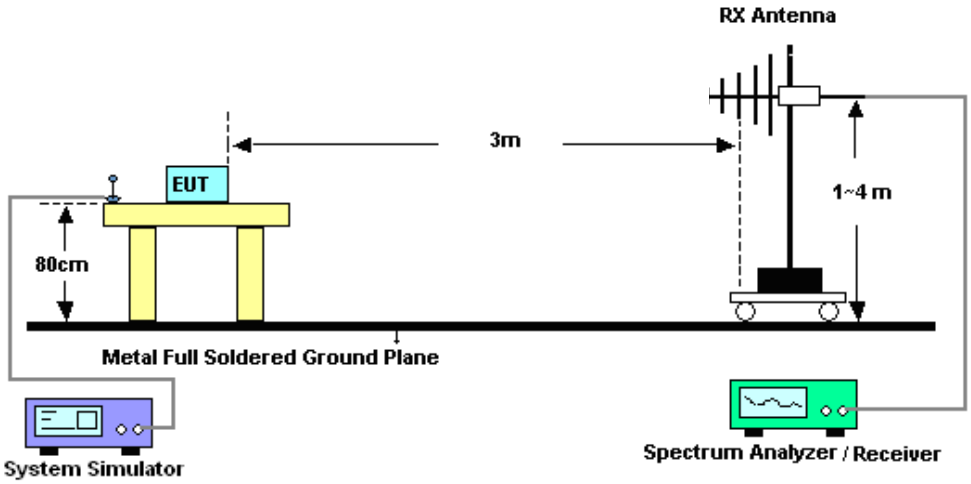
See list of measuring instruments of this test report.

4.2 Test Setup

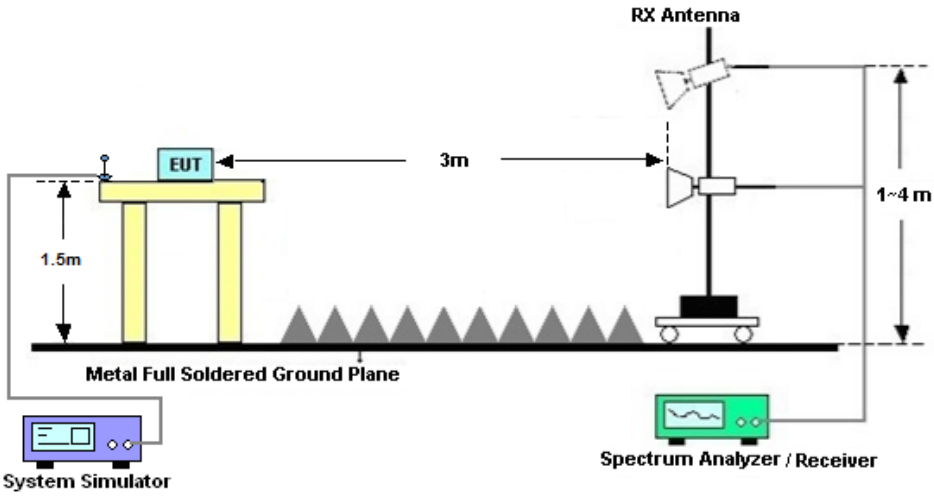
4.2.1 For radiated test below 30MHz



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	Jan. 20, 2022~ Feb. 09, 2022	Apr. 02, 2022	Conducted (TH01-SZ)
Power divider	STI	STI08-0055	-	0.5~40GHz	Aug. 26, 2021	Jan. 20, 2022~ Feb. 09, 2022	Aug. 25, 2022	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 14, 2021	Jan. 20, 2022~ Feb. 09, 2022	Jul. 13, 2022	Conducted (TH01-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 07, 2021	Feb. 02, 2022	Apr. 06, 2022	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2021	Feb. 02, 2022	Jun. 21, 2022	Radiation (03CH03-SZ)
EXA Spectrum Anaiyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 07, 2021	Feb. 02, 2022	Apr. 06, 2022	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	Jun. 22, 2021	Feb. 02, 2022	Jun. 21, 2022	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 25, 2021	Feb. 02, 2022	Apr. 24, 2022	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 22, 2021	Feb. 02, 2022	Oct. 21, 2022	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Oct. 22, 2021	Feb. 02, 2022	Oct. 21, 2022	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 11, 2021	Feb. 02, 2022	Apr. 10, 2022	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Dec. 29, 2021	Feb. 02, 2022	Dec. 28, 2022	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	61601000198 5	N/A	NCR	Feb. 02, 2022	NCR	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Feb. 02, 2022	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Feb. 02, 2022	NCR	Radiation (03CH03-SZ)

NCR: No Calibration Required

6 Uncertainty of Evaluation

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.0dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.6dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.8dB**

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

Appendix A. Test Results of Conducted Test

Test Engineer :	Yao Zhou	**Temperature :**	24~26℃
		Relative Humidity :	50~53%

Software Version: 22.02.012001

FR1 N77

Transmitter Conducted Output Power And EIRP, (G_T - L_C) =-1.02dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	15	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	25@12	25.75	24.73	0.2972
77	15	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	25.65	24.63	0.2904
77	15	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@50	25.71	24.69	0.2944
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	25@12	25.79	24.77	0.2999
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	25.7	24.68	0.2938
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@50	25.67	24.65	0.2917
77	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	25@12	24.81	23.79	0.2393
77	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	24.49	23.47	0.2223
77	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@50	24.46	23.44	0.2208
77	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	25@12	23.33	22.31	0.1702
77	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@1	22.97	21.95	0.1567
77	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@50	22.91	21.89	0.1545
77	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	25@12	21.27	20.25	0.1059
77	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@1	21.25	20.23	0.1054
77	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@50	21.19	20.17	0.1040
77	15	10	630334	3455.01	CP-OFDM QPSK	26@13	24.27	23.25	0.2113
77	15	10	630334	3455.01	CP-OFDM QPSK	1@1	24.07	23.05	0.2018
77	15	10	630334	3455.01	CP-OFDM QPSK	1@50	24.12	23.1	0.2042
77	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	25.86	24.84	0.3048
77	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.72	24.7	0.2951

77	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@50	25.75	24.73	0.2972
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	25@12	25.87	24.85	0.3055
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.79	24.77	0.2999
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@50	25.78	24.76	0.2992
77	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	24.89	23.87	0.2438
77	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.41	23.39	0.2183
77	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@50	24.38	23.36	0.2168
77	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	23.41	22.39	0.1734
77	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.94	21.92	0.1556
77	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@50	22.89	21.87	0.1538
77	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	21.34	20.32	0.1076
77	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.34	20.32	0.1076
77	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@50	21.27	20.25	0.1059
77	15	10	633334	3500.01	CP-OFDM QPSK	26@13	24.36	23.34	0.2158
77	15	10	633334	3500.01	CP-OFDM QPSK	1@1	24.26	23.24	0.2109
77	15	10	633334	3500.01	CP-OFDM QPSK	1@50	24.25	23.23	0.2104
77	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	25@12	25.74	24.72	0.2965
77	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	1@1	25.73	24.71	0.2958
77	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	1@50	25.65	24.63	0.2904
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	25@12	25.75	24.73	0.2972
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@1	25.71	24.69	0.2944
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@50	25.65	24.63	0.2904
77	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	25@12	24.75	23.73	0.2360
77	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@1	24.48	23.46	0.2218

77	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@50	24.31	23.29	0.2133
77	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	25@12	23.3	22.28	0.1690
77	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	1@1	22.97	21.95	0.1567
77	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	1@50	22.8	21.78	0.1507
77	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	25@12	21.21	20.19	0.1045
77	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	1@1	21.3	20.28	0.1067
77	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	1@50	21.22	20.2	0.1047
77	15	10	636333	3544.995	CP-OFDM QPSK	26@13	24.31	23.29	0.2133
77	15	10	636333	3544.995	CP-OFDM QPSK	1@1	24.21	23.19	0.2084
77	15	10	636333	3544.995	CP-OFDM QPSK	1@50	24.13	23.11	0.2046
77	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	36@18	25.81	24.79	0.3013
77	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	25.75	24.73	0.2972
77	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@77	25.75	24.73	0.2972
77	15	15	630500	3457.5	DFT-s-OFDM QPSK	36@18	25.83	24.81	0.3027
77	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	25.81	24.79	0.3013
77	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@77	25.82	24.8	0.3020
77	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	36@18	24.85	23.83	0.2415
77	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	24.42	23.4	0.2188
77	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@77	24.45	23.43	0.2203
77	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	36@18	23.38	22.36	0.1722
77	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@1	23	21.98	0.1578
77	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@77	22.97	21.95	0.1567
77	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	36@18	21.36	20.34	0.1081
77	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@1	21.31	20.29	0.1069

77	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@77	21.31	20.29	0.1069
77	15	15	630500	3457.5	CP-OFDM QPSK	39@19	24.33	23.31	0.2143
77	15	15	630500	3457.5	CP-OFDM QPSK	1@1	24.23	23.21	0.2094
77	15	15	630500	3457.5	CP-OFDM QPSK	1@77	24.29	23.27	0.2123
77	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	25.85	24.83	0.3041
77	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.75	24.73	0.2972
77	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@77	25.76	24.74	0.2979
77	15	15	633334	3500.01	DFT-s-OFDM QPSK	36@18	25.88	24.86	0.3062
77	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.78	24.76	0.2992
77	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@77	25.76	24.74	0.2979
77	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	24.91	23.89	0.2449
77	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.61	23.59	0.2286
77	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@77	24.59	23.57	0.2275
77	15	15	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	23.37	22.35	0.1718
77	15	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.08	22.06	0.1607
77	15	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@77	23.01	21.99	0.1581
77	15	15	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	21.41	20.39	0.1094
77	15	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.29	20.27	0.1064
77	15	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@77	21.34	20.32	0.1076
77	15	15	633334	3500.01	CP-OFDM QPSK	39@19	24.34	23.32	0.2148
77	15	15	633334	3500.01	CP-OFDM QPSK	1@1	24.28	23.26	0.2118
77	15	15	633334	3500.01	CP-OFDM QPSK	1@77	24.25	23.23	0.2104
77	15	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	36@18	25.77	24.75	0.2985
77	15	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@1	25.74	24.72	0.2965
77	15	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@77	25.61	24.59	0.2877

77	15	15	636166	3542.49	DFT-s-OFDM QPSK	36@18	25.81	24.79	0.3013
77	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	25.76	24.74	0.2979
77	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@77	25.59	24.57	0.2864
77	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	36@18	24.8	23.78	0.2388
77	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	24.56	23.54	0.2259
77	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@77	24.44	23.42	0.2198
77	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	36@18	23.3	22.28	0.1690
77	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@1	23.02	22	0.1585
77	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@77	22.88	21.86	0.1535
77	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	36@18	21.34	20.32	0.1076
77	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@1	21.32	20.3	0.1072
77	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@77	21.16	20.14	0.1033
77	15	15	636166	3542.49	CP-OFDM QPSK	39@19	24.27	23.25	0.2113
77	15	15	636166	3542.49	CP-OFDM QPSK	1@1	24.26	23.24	0.2109
77	15	15	636166	3542.49	CP-OFDM QPSK	1@77	24.09	23.07	0.2028
77	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	50@25	25.85	24.83	0.3041
77	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	1@1	25.74	24.72	0.2965
77	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	1@104	25.75	24.73	0.2972
77	15	20	630667	3460.005	DFT-s-OFDM QPSK	50@25	25.88	24.86	0.3062
77	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@1	25.79	24.77	0.2999
77	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@104	25.78	24.76	0.2992
77	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	50@25	24.86	23.84	0.2421
77	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@1	24.6	23.58	0.2280
77	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@104	24.57	23.55	0.2265

77	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	50@25	23.37	22.35	0.1718
77	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	1@1	23.09	22.07	0.1611
77	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	1@104	23.04	22.02	0.1592
77	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	50@25	21.46	20.44	0.1107
77	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	1@1	21.34	20.32	0.1076
77	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	1@104	21.36	20.34	0.1081
77	15	20	630667	3460.005	CP-OFDM QPSK	53@26	24.34	23.32	0.2148
77	15	20	630667	3460.005	CP-OFDM QPSK	1@1	24.26	23.24	0.2109
77	15	20	630667	3460.005	CP-OFDM QPSK	1@104	24.3	23.28	0.2128
77	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	25.84	24.82	0.3034
77	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.75	24.73	0.2972
77	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	25.7	24.68	0.2938
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	50@25	25.87	24.85	0.3055
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.75	24.73	0.2972
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@104	25.68	24.66	0.2924
77	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	24.89	23.87	0.2438
77	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.61	23.59	0.2286
77	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	24.47	23.45	0.2213
77	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	23.39	22.37	0.1726
77	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.04	22.02	0.1592
77	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	23.02	22	0.1585
77	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	21.32	20.3	0.1072
77	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.31	20.29	0.1069
77	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	21.25	20.23	0.1054

77	15	20	633334	3500.01	CP-OFDM QPSK	53@26	24.35	23.33	0.2153
77	15	20	633334	3500.01	CP-OFDM QPSK	1@1	24.32	23.3	0.2138
77	15	20	633334	3500.01	CP-OFDM QPSK	1@104	24.22	23.2	0.2089
77	15	20	636000	3540	DFT-s-OFDM PI/2 BPSK	50@25	25.75	24.73	0.2972
77	15	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	25.74	24.72	0.2965
77	15	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@104	25.52	24.5	0.2818
77	15	20	636000	3540	DFT-s-OFDM QPSK	50@25	25.77	24.75	0.2985
77	15	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.81	24.79	0.3013
77	15	20	636000	3540	DFT-s-OFDM QPSK	1@104	25.59	24.57	0.2864
77	15	20	636000	3540	DFT-s-OFDM 16 QAM	50@25	24.8	23.78	0.2388
77	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	24.46	23.44	0.2208
77	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@104	24.28	23.26	0.2118
77	15	20	636000	3540	DFT-s-OFDM 64 QAM	50@25	23.28	22.26	0.1683
77	15	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	22.93	21.91	0.1552
77	15	20	636000	3540	DFT-s-OFDM 64 QAM	1@104	22.73	21.71	0.1483
77	15	20	636000	3540	DFT-s-OFDM 256 QAM	50@25	21.21	20.19	0.1045
77	15	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	21.28	20.26	0.1062
77	15	20	636000	3540	DFT-s-OFDM 256 QAM	1@104	21.05	20.03	0.1007
77	15	20	636000	3540	CP-OFDM QPSK	53@26	24.27	23.25	0.2113
77	15	20	636000	3540	CP-OFDM QPSK	1@1	24.22	23.2	0.2089
77	15	20	636000	3540	CP-OFDM QPSK	1@104	24.02	23	0.1995
77	15	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	64@32	25.65	24.63	0.2904
77	15	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	1@1	25.02	24	0.2512
77	15	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	1@131	24.99	23.97	0.2495
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	64@32	25.71	24.69	0.2944

77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	25.01	23.99	0.2506
77	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@131	25.03	24.01	0.2518
77	15	25	630834	3462.51	DFT-s-OFDM 16 QAM	64@32	24.7	23.68	0.2333
77	15	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	23.73	22.71	0.1866
77	15	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@131	23.76	22.74	0.1879
77	15	25	630834	3462.51	DFT-s-OFDM 64 QAM	64@32	23.16	22.14	0.1637
77	15	25	630834	3462.51	DFT-s-OFDM 64 QAM	1@1	22.34	21.32	0.1355
77	15	25	630834	3462.51	DFT-s-OFDM 64 QAM	1@131	22.26	21.24	0.1330
77	15	25	630834	3462.51	DFT-s-OFDM 256 QAM	64@32	21.15	20.13	0.1030
77	15	25	630834	3462.51	DFT-s-OFDM 256 QAM	1@1	20.58	19.56	0.0904
77	15	25	630834	3462.51	DFT-s-OFDM 256 QAM	1@131	20.57	19.55	0.0902
77	15	25	630834	3462.51	CP-OFDM QPSK	67@33	24.19	23.17	0.2075
77	15	25	630834	3462.51	CP-OFDM QPSK	1@1	23.51	22.49	0.1774
77	15	25	630834	3462.51	CP-OFDM QPSK	1@131	23.5	22.48	0.1770
77	15	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	25.71	24.69	0.2944
77	15	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.02	24	0.2512
77	15	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	24.88	23.86	0.2432
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	64@32	25.75	24.73	0.2972
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.04	24.02	0.2523
77	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@131	24.93	23.91	0.2460
77	15	25	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	24.74	23.72	0.2355
77	15	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.71	22.69	0.1858
77	15	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	23.62	22.6	0.1820
77	15	25	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	23.18	22.16	0.1644

77	15	25	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.22	21.2	0.1318
77	15	25	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	22.11	21.09	0.1285
77	15	25	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	21.17	20.15	0.1035
77	15	25	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.56	19.54	0.0899
77	15	25	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	20.4	19.38	0.0867
77	15	25	633334	3500.01	CP-OFDM QPSK	67@33	24.26	23.24	0.2109
77	15	25	633334	3500.01	CP-OFDM QPSK	1@1	23.5	22.48	0.1770
77	15	25	633334	3500.01	CP-OFDM QPSK	1@131	23.41	22.39	0.1734
77	15	25	635833	3537.495	DFT-s-OFDM PI/2 BPSK	64@32	25.53	24.51	0.2825
77	15	25	635833	3537.495	DFT-s-OFDM PI/2 BPSK	1@1	24.91	23.89	0.2449
77	15	25	635833	3537.495	DFT-s-OFDM PI/2 BPSK	1@131	24.75	23.73	0.2360
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	64@32	25.56	24.54	0.2844
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@1	24.93	23.91	0.2460
77	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@131	24.68	23.66	0.2323
77	15	25	635833	3537.495	DFT-s-OFDM 16 QAM	64@32	24.58	23.56	0.2270
77	15	25	635833	3537.495	DFT-s-OFDM 16 QAM	1@1	23.64	22.62	0.1828
77	15	25	635833	3537.495	DFT-s-OFDM 16 QAM	1@131	23.38	22.36	0.1722
77	15	25	635833	3537.495	DFT-s-OFDM 64 QAM	64@32	23.02	22	0.1585
77	15	25	635833	3537.495	DFT-s-OFDM 64 QAM	1@1	22.09	21.07	0.1279
77	15	25	635833	3537.495	DFT-s-OFDM 64 QAM	1@131	21.9	20.88	0.1225
77	15	25	635833	3537.495	DFT-s-OFDM 256 QAM	64@32	20.97	19.95	0.0989
77	15	25	635833	3537.495	DFT-s-OFDM 256 QAM	1@1	20.41	19.39	0.0869
77	15	25	635833	3537.495	DFT-s-OFDM 256 QAM	1@131	20.27	19.25	0.0841
77	15	25	635833	3537.495	CP-OFDM QPSK	67@33	24.03	23.01	0.2000
77	15	25	635833	3537.495	CP-OFDM QPSK	1@1	23.34	22.32	0.1706

77	15	25	635833	3537.495	CP-OFDM QPSK	1@131	23.18	22.16	0.1644
77	15	30	631000	3465	DFT-s-OFDM PI/2 BPSK	80@40	25.77	24.75	0.2985
77	15	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	25.68	24.66	0.2924
77	15	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@158	25.73	24.71	0.2958
77	15	30	631000	3465	DFT-s-OFDM QPSK	80@40	25.78	24.76	0.2992
77	15	30	631000	3465	DFT-s-OFDM QPSK	1@1	25.73	24.71	0.2958
77	15	30	631000	3465	DFT-s-OFDM QPSK	1@158	25.68	24.66	0.2924
77	15	30	631000	3465	DFT-s-OFDM 16 QAM	80@40	24.8	23.78	0.2388
77	15	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	24.42	23.4	0.2188
77	15	30	631000	3465	DFT-s-OFDM 16 QAM	1@158	24.44	23.42	0.2198
77	15	30	631000	3465	DFT-s-OFDM 64 QAM	80@40	23.25	22.23	0.1671
77	15	30	631000	3465	DFT-s-OFDM 64 QAM	1@1	22.95	21.93	0.1560
77	15	30	631000	3465	DFT-s-OFDM 64 QAM	1@158	22.9	21.88	0.1542
77	15	30	631000	3465	DFT-s-OFDM 256 QAM	80@40	21.31	20.29	0.1069
77	15	30	631000	3465	DFT-s-OFDM 256 QAM	1@1	21.21	20.19	0.1045
77	15	30	631000	3465	DFT-s-OFDM 256 QAM	1@158	21.26	20.24	0.1057
77	15	30	631000	3465	CP-OFDM QPSK	80@40	24.26	23.24	0.2109
77	15	30	631000	3465	CP-OFDM QPSK	1@1	24.19	23.17	0.2075
77	15	30	631000	3465	CP-OFDM QPSK	1@158	24.19	23.17	0.2075
77	15	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	80@40	25.78	24.76	0.2992
77	15	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.71	24.69	0.2944
77	15	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@158	25.56	24.54	0.2844
77	15	30	633334	3500.01	DFT-s-OFDM QPSK	80@40	25.83	24.81	0.3027
77	15	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.75	24.73	0.2972

77	15	30	633334	3500.01	DFT-s-OFDM QPSK	1@158	25.55	24.53	0.2838
77	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	80@40	24.85	23.83	0.2415
77	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.58	23.56	0.2270
77	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@158	24.39	23.37	0.2173
77	15	30	633334	3500.01	DFT-s-OFDM 64 QAM	80@40	23.28	22.26	0.1683
77	15	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.02	22	0.1585
77	15	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@158	22.82	21.8	0.1514
77	15	30	633334	3500.01	DFT-s-OFDM 256 QAM	80@40	21.33	20.31	0.1074
77	15	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.28	20.26	0.1062
77	15	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@158	21.1	20.08	0.1019
77	15	30	633334	3500.01	CP-OFDM QPSK	80@40	24.3	23.28	0.2128
77	15	30	633334	3500.01	CP-OFDM QPSK	1@1	24.25	23.23	0.2104
77	15	30	633334	3500.01	CP-OFDM QPSK	1@158	24.12	23.1	0.2042
77	15	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	80@40	25.64	24.62	0.2897
77	15	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	25.67	24.65	0.2917
77	15	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@158	25.42	24.4	0.2754
77	15	30	635666	3534.99	DFT-s-OFDM QPSK	80@40	25.69	24.67	0.2931
77	15	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	25.63	24.61	0.2891
77	15	30	635666	3534.99	DFT-s-OFDM QPSK	1@158	25.43	24.41	0.2761
77	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	80@40	24.67	23.65	0.2317
77	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.43	23.41	0.2193
77	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@158	24.25	23.23	0.2104
77	15	30	635666	3534.99	DFT-s-OFDM 64 QAM	80@40	23.17	22.15	0.1641
77	15	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	23.03	22.01	0.1589

77	15	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@158	22.75	21.73	0.1489
77	15	30	635666	3534.99	DFT-s-OFDM 256 QAM	80@40	21.19	20.17	0.1040
77	15	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	21.23	20.21	0.1050
77	15	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@158	20.95	19.93	0.0984
77	15	30	635666	3534.99	CP-OFDM QPSK	80@40	24.13	23.11	0.2046
77	15	30	635666	3534.99	CP-OFDM QPSK	1@1	24.12	23.1	0.2042
77	15	30	635666	3534.99	CP-OFDM QPSK	1@158	23.96	22.94	0.1968
77	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	108@54	25.77	24.75	0.2985
77	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	25.68	24.66	0.2924
77	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@214	25.61	24.59	0.2877
77	15	40	631334	3470.01	DFT-s-OFDM QPSK	108@54	25.83	24.81	0.3027
77	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.73	24.71	0.2958
77	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@214	25.67	24.65	0.2917
77	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	108@54	24.83	23.81	0.2404
77	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.42	23.4	0.2188
77	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@214	24.33	23.31	0.2143
77	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	108@54	23.31	22.29	0.1694
77	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	23	21.98	0.1578
77	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@214	22.87	21.85	0.1531
77	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	108@54	21.31	20.29	0.1069
77	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	21.24	20.22	0.1052
77	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@214	21.15	20.13	0.1030
77	15	40	631334	3470.01	CP-OFDM QPSK	108@54	24.3	23.28	0.2128
77	15	40	631334	3470.01	CP-OFDM QPSK	1@1	24.2	23.18	0.2080
77	15	40	631334	3470.01	CP-OFDM QPSK	1@214	24.11	23.09	0.2037

77	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	25.77	24.75	0.2985
77	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.76	24.74	0.2979
77	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@214	25.52	24.5	0.2818
77	15	40	633334	3500.01	DFT-s-OFDM QPSK	108@54	25.82	24.8	0.3020
77	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.79	24.77	0.2999
77	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@214	25.52	24.5	0.2818
77	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	24.85	23.83	0.2415
77	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.49	23.47	0.2223
77	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@214	24.16	23.14	0.2061
77	15	40	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	23.28	22.26	0.1683
77	15	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23	21.98	0.1578
77	15	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@214	22.71	21.69	0.1476
77	15	40	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	21.22	20.2	0.1047
77	15	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.32	20.3	0.1072
77	15	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@214	21.08	20.06	0.1014
77	15	40	633334	3500.01	CP-OFDM QPSK	108@54	24.27	23.25	0.2113
77	15	40	633334	3500.01	CP-OFDM QPSK	1@1	24.27	23.25	0.2113
77	15	40	633334	3500.01	CP-OFDM QPSK	1@214	23.99	22.97	0.1982
77	15	40	635333	3529.995	DFT-s-OFDM PI/2 BPSK	108@54	25.62	24.6	0.2884
77	15	40	635333	3529.995	DFT-s-OFDM PI/2 BPSK	1@1	25.7	24.68	0.2938
77	15	40	635333	3529.995	DFT-s-OFDM PI/2 BPSK	1@214	25.39	24.37	0.2735
77	15	40	635333	3529.995	DFT-s-OFDM QPSK	108@54	25.68	24.66	0.2924
77	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@1	25.76	24.74	0.2979
77	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@214	25.35	24.33	0.2710

77	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	108@54	24.69	23.67	0.2328
77	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@1	24.46	23.44	0.2208
77	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@214	24.08	23.06	0.2023
77	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	108@54	23.16	22.14	0.1637
77	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	1@1	22.89	21.87	0.1538
77	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	1@214	22.62	21.6	0.1445
77	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	108@54	21.09	20.07	0.1016
77	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	1@1	21.25	20.23	0.1054
77	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	1@214	20.89	19.87	0.0971
77	15	40	635333	3529.995	CP-OFDM QPSK	108@54	24.13	23.11	0.2046
77	15	40	635333	3529.995	CP-OFDM QPSK	1@1	24.21	23.19	0.2084
77	15	40	635333	3529.995	CP-OFDM QPSK	1@214	23.82	22.8	0.1905
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	135@67	25.78	24.76	0.2992
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@1	25.71	24.69	0.2944
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@268	25.6	24.58	0.2871
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	135@67	25.84	24.82	0.3034
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@1	25.69	24.67	0.2931
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@268	25.63	24.61	0.2891
77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	135@67	24.84	23.82	0.2410
77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@1	24.41	23.39	0.2183
77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@268	24.33	23.31	0.2143
77	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	135@67	23.32	22.3	0.1698
77	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@1	22.91	21.89	0.1545
77	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@268	22.85	21.83	0.1524

77	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	135@67	21.25	20.23	0.1054
77	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@1	21.24	20.22	0.1052
77	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@268	21.16	20.14	0.1033
77	15	50	631667	3475.005	CP-OFDM QPSK	135@67	24.3	23.28	0.2128
77	15	50	631667	3475.005	CP-OFDM QPSK	1@1	24.16	23.14	0.2061
77	15	50	631667	3475.005	CP-OFDM QPSK	1@268	24.2	23.18	0.2080
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.75	24.73	0.2972
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.74	24.72	0.2965
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@268	25.5	24.48	0.2805
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.79	24.77	0.2999
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.77	24.75	0.2985
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@268	25.55	24.53	0.2838
77	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.81	23.79	0.2393
77	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.47	23.45	0.2213
77	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@268	24.18	23.16	0.2070
77	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.25	22.23	0.1671
77	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.04	22.02	0.1592
77	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@268	22.8	21.78	0.1507
77	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.26	20.24	0.1057
77	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.33	20.31	0.1074
77	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@268	21.1	20.08	0.1019
77	15	50	633334	3500.01	CP-OFDM QPSK	135@67	24.27	23.25	0.2113
77	15	50	633334	3500.01	CP-OFDM QPSK	1@1	24.23	23.21	0.2094
77	15	50	633334	3500.01	CP-OFDM QPSK	1@268	24.01	22.99	0.1991
77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	135@67	25.7	24.68	0.2938

77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	25.78	24.76	0.2992
77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@268	25.44	24.42	0.2767
77	15	50	635000	3525	DFT-s-OFDM QPSK	135@67	25.74	24.72	0.2965
77	15	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.83	24.81	0.3027
77	15	50	635000	3525	DFT-s-OFDM QPSK	1@268	25.45	24.43	0.2773
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	135@67	24.77	23.75	0.2371
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.43	23.41	0.2193
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@268	24.12	23.1	0.2042
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	135@67	23.24	22.22	0.1667
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	23.08	22.06	0.1607
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@268	22.69	21.67	0.1469
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	135@67	21.26	20.24	0.1057
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	21.33	20.31	0.1074
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@268	20.95	19.93	0.0984
77	15	50	635000	3525	CP-OFDM QPSK	135@67	24.22	23.2	0.2089
77	15	50	635000	3525	CP-OFDM QPSK	1@1	24.31	23.29	0.2133
77	15	50	635000	3525	CP-OFDM QPSK	1@268	23.96	22.94	0.1968

Software Version: 22.02.012001

FR1 N77

Transmitter Conducted Output Power And EIRP, (G_T - L_C) =-1.02dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	12@6	25.63	24.61	0.2891
77	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	25.6	24.58	0.2871
77	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@22	25.64	24.62	0.2897
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	12@6	25.63	24.61	0.2891
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	25.56	24.54	0.2844
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@22	25.6	24.58	0.2871
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	12@6	24.72	23.7	0.2344
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	24.5	23.48	0.2228
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@22	24.5	23.48	0.2228
77	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	12@6	23.13	22.11	0.1626
77	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@1	23.37	22.35	0.1718
77	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@22	23.14	22.12	0.1629
77	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	12@6	21.15	20.13	0.1030
77	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@1	21.06	20.04	0.1009
77	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@22	21.08	20.06	0.1014
77	30	10	630334	3455.01	CP-OFDM QPSK	12@6	24.15	23.13	0.2056
77	30	10	630334	3455.01	CP-OFDM QPSK	1@1	24.13	23.11	0.2046
77	30	10	630334	3455.01	CP-OFDM QPSK	1@22	24.11	23.09	0.2037
77	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	12@6	25.53	24.51	0.2825
77	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.55	24.53	0.2838

77	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@22	25.42	24.4	0.2754
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	12@6	25.53	24.51	0.2825
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.49	24.47	0.2799
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@22	25.41	24.39	0.2748
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	12@6	24.63	23.61	0.2296
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.49	23.47	0.2223
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@22	24.42	23.4	0.2188
77	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	12@6	23.09	22.07	0.1611
77	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.02	22	0.1585
77	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@22	23.1	22.08	0.1614
77	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	12@6	21.04	20.02	0.1005
77	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.99	19.97	0.0993
77	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@22	20.88	19.86	0.0968
77	30	10	633334	3500.01	CP-OFDM QPSK	12@6	24	22.98	0.1986
77	30	10	633334	3500.01	CP-OFDM QPSK	1@1	24.1	23.08	0.2032
77	30	10	633334	3500.01	CP-OFDM QPSK	1@22	23.9	22.88	0.1941
77	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	12@6	25.51	24.49	0.2812
77	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@1	25.56	24.54	0.2844
77	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@22	25.38	24.36	0.2729
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	12@6	25.51	24.49	0.2812
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	25.48	24.46	0.2793
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@22	25.42	24.4	0.2754
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	12@6	24.6	23.58	0.2280
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	24.39	23.37	0.2173

77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@22	24.34	23.32	0.2148
77	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	12@6	22.99	21.97	0.1574
77	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	1@1	23.23	22.21	0.1663
77	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	1@22	22.9	21.88	0.1542
77	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	12@6	21	19.98	0.0995
77	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	1@1	20.99	19.97	0.0993
77	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	1@22	20.93	19.91	0.0979
77	30	10	636332	3544.98	CP-OFDM QPSK	12@6	23.99	22.97	0.1982
77	30	10	636332	3544.98	CP-OFDM QPSK	1@1	24.08	23.06	0.2023
77	30	10	636332	3544.98	CP-OFDM QPSK	1@22	24	22.98	0.1986
77	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	18@9	25.66	24.64	0.2911
77	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	25.6	24.58	0.2871
77	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@36	25.65	24.63	0.2904
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	18@9	25.66	24.64	0.2911
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	25.6	24.58	0.2871
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@36	25.62	24.6	0.2884
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	18@9	24.69	23.67	0.2328
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	24.56	23.54	0.2259
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@36	24.63	23.61	0.2296
77	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	18@9	23.2	22.18	0.1652
77	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@1	23.06	22.04	0.1600
77	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@36	23.3	22.28	0.1690
77	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	18@9	21.12	20.1	0.1023
77	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@1	21.13	20.11	0.1026

77	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@36	21.16	20.14	0.1033
77	30	15	630500	3457.5	CP-OFDM QPSK	19@9	24.25	23.23	0.2104
77	30	15	630500	3457.5	CP-OFDM QPSK	1@1	24.2	23.18	0.2080
77	30	15	630500	3457.5	CP-OFDM QPSK	1@36	24.24	23.22	0.2099
77	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	18@9	25.49	24.47	0.2799
77	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.51	24.49	0.2812
77	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@36	25.48	24.46	0.2793
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	18@9	25.55	24.53	0.2838
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.52	24.5	0.2818
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@36	25.45	24.43	0.2773
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	18@9	24.56	23.54	0.2259
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.45	23.43	0.2203
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@36	24.34	23.32	0.2148
77	30	15	633334	3500.01	DFT-s-OFDM 64 QAM	18@9	23.05	22.03	0.1596
77	30	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.99	21.97	0.1574
77	30	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@36	23.11	22.09	0.1618
77	30	15	633334	3500.01	DFT-s-OFDM 256 QAM	18@9	21.01	19.99	0.0998
77	30	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.03	20.01	0.1002
77	30	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@36	20.88	19.86	0.0968
77	30	15	633334	3500.01	CP-OFDM QPSK	19@9	24.05	23.03	0.2009
77	30	15	633334	3500.01	CP-OFDM QPSK	1@1	24.07	23.05	0.2018
77	30	15	633334	3500.01	CP-OFDM QPSK	1@36	23.9	22.88	0.1941
77	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	18@9	25.52	24.5	0.2818
77	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@1	25.46	24.44	0.2780
77	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@36	25.42	24.4	0.2754

77	30	15	636166	3542.49	DFT-s-OFDM QPSK	18@9	25.56	24.54	0.2844
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	25.48	24.46	0.2793
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@36	25.47	24.45	0.2786
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	18@9	24.57	23.55	0.2265
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	24.5	23.48	0.2228
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@36	24.48	23.46	0.2218
77	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	18@9	23.07	22.05	0.1603
77	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@1	22.93	21.91	0.1552
77	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@36	22.9	21.88	0.1542
77	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	18@9	21.01	19.99	0.0998
77	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@1	20.99	19.97	0.0993
77	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@36	20.92	19.9	0.0977
77	30	15	636166	3542.49	CP-OFDM QPSK	19@9	24.09	23.07	0.2028
77	30	15	636166	3542.49	CP-OFDM QPSK	1@1	24.11	23.09	0.2037
77	30	15	636166	3542.49	CP-OFDM QPSK	1@36	23.94	22.92	0.1959
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	25@12	25.73	24.71	0.2958
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	25.63	24.61	0.2891
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	25.65	24.63	0.2904
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	25.73	24.71	0.2958
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	25.64	24.62	0.2897
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	25.65	24.63	0.2904
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	24.71	23.69	0.2339
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	24.58	23.56	0.2270
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	24.63	23.61	0.2296

77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	23.21	22.19	0.1656
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	23.09	22.07	0.1611
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	23.12	22.1	0.1622
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	21.25	20.23	0.1054
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	21.13	20.11	0.1026
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	21.14	20.12	0.1028
77	30	20	630668	3460.02	CP-OFDM QPSK	25@12	24.23	23.21	0.2094
77	30	20	630668	3460.02	CP-OFDM QPSK	1@1	24.16	23.14	0.2061
77	30	20	630668	3460.02	CP-OFDM QPSK	1@49	24.15	23.13	0.2056
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	25.56	24.54	0.2844
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.53	24.51	0.2825
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	25.41	24.39	0.2748
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	25.57	24.55	0.2851
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.57	24.55	0.2851
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	25.39	24.37	0.2735
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	24.54	23.52	0.2249
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.48	23.46	0.2218
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	24.31	23.29	0.2133
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	23.06	22.04	0.1600
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.06	22.04	0.1600
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	22.87	21.85	0.1531
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	21.12	20.1	0.1023
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.07	20.05	0.1012
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	20.9	19.88	0.0973

77	30	20	633334	3500.01	CP-OFDM QPSK	25@12	24.08	23.06	0.2023
77	30	20	633334	3500.01	CP-OFDM QPSK	1@1	24.16	23.14	0.2061
77	30	20	633334	3500.01	CP-OFDM QPSK	1@49	23.98	22.96	0.1977
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	25@12	25.57	24.55	0.2851
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	25.5	24.48	0.2805
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@49	25.41	24.39	0.2748
77	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	25.58	24.56	0.2858
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.5	24.48	0.2805
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	25.45	24.43	0.2773
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	25@12	24.58	23.56	0.2270
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	24.41	23.39	0.2183
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@49	24.34	23.32	0.2148
77	30	20	636000	3540	DFT-s-OFDM 64 QAM	25@12	23.08	22.06	0.1607
77	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	22.95	21.93	0.1560
77	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@49	22.9	21.88	0.1542
77	30	20	636000	3540	DFT-s-OFDM 256 QAM	25@12	21.08	20.06	0.1014
77	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	21.03	20.01	0.1002
77	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@49	20.94	19.92	0.0982
77	30	20	636000	3540	CP-OFDM QPSK	25@12	24.06	23.04	0.2014
77	30	20	636000	3540	CP-OFDM QPSK	1@1	24.15	23.13	0.2056
77	30	20	636000	3540	CP-OFDM QPSK	1@49	24.07	23.05	0.2018
77	30	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	32@16	25.49	24.47	0.2799
77	30	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	1@1	24.89	23.87	0.2438
77	30	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	1@63	24.84	23.82	0.2410
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	32@16	25.52	24.5	0.2818

77	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	24.92	23.9	0.2455
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@63	24.89	23.87	0.2438
77	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	32@16	24.58	23.56	0.2270
77	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	23.9	22.88	0.1941
77	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@63	23.83	22.81	0.1910
77	30	25	630834	3462.51	DFT-s-OFDM 64 QAM	32@16	23.03	22.01	0.1589
77	30	25	630834	3462.51	DFT-s-OFDM 64 QAM	1@1	22.38	21.36	0.1368
77	30	25	630834	3462.51	DFT-s-OFDM 64 QAM	1@63	22.34	21.32	0.1355
77	30	25	630834	3462.51	DFT-s-OFDM 256 QAM	32@16	21.06	20.04	0.1009
77	30	25	630834	3462.51	DFT-s-OFDM 256 QAM	1@1	20.41	19.39	0.0869
77	30	25	630834	3462.51	DFT-s-OFDM 256 QAM	1@63	20.36	19.34	0.0859
77	30	25	630834	3462.51	CP-OFDM QPSK	33@16	24.02	23	0.1995
77	30	25	630834	3462.51	CP-OFDM QPSK	1@1	23.43	22.41	0.1742
77	30	25	630834	3462.51	CP-OFDM QPSK	1@63	23.42	22.4	0.1738
77	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	32@16	25.4	24.38	0.2742
77	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.85	23.83	0.2415
77	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@63	24.67	23.65	0.2317
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	32@16	25.38	24.36	0.2729
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.86	23.84	0.2421
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@63	24.62	23.6	0.2291
77	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	32@16	24.43	23.41	0.2193
77	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.88	22.86	0.1932
77	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@63	23.63	22.61	0.1824
77	30	25	633334	3500.01	DFT-s-OFDM 64 QAM	32@16	22.86	21.84	0.1528

77	30	25	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.62	21.6	0.1445
77	30	25	633334	3500.01	DFT-s-OFDM 64 QAM	1@63	22.1	21.08	0.1282
77	30	25	633334	3500.01	DFT-s-OFDM 256 QAM	32@16	20.89	19.87	0.0971
77	30	25	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.33	19.31	0.0853
77	30	25	633334	3500.01	DFT-s-OFDM 256 QAM	1@63	20.13	19.11	0.0815
77	30	25	633334	3500.01	CP-OFDM QPSK	33@16	23.91	22.89	0.1945
77	30	25	633334	3500.01	CP-OFDM QPSK	1@1	23.47	22.45	0.1758
77	30	25	633334	3500.01	CP-OFDM QPSK	1@63	23.14	22.12	0.1629
77	30	25	635832	3537.48	DFT-s-OFDM PI/2 BPSK	32@16	25.3	24.28	0.2679
77	30	25	635832	3537.48	DFT-s-OFDM PI/2 BPSK	1@1	24.73	23.71	0.2350
77	30	25	635832	3537.48	DFT-s-OFDM PI/2 BPSK	1@63	24.64	23.62	0.2301
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	32@16	25.3	24.28	0.2679
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	24.71	23.69	0.2339
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@63	24.64	23.62	0.2301
77	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	32@16	24.36	23.34	0.2158
77	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	23.65	22.63	0.1832
77	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@63	23.6	22.58	0.1811
77	30	25	635832	3537.48	DFT-s-OFDM 64 QAM	32@16	22.81	21.79	0.1510
77	30	25	635832	3537.48	DFT-s-OFDM 64 QAM	1@1	22.28	21.26	0.1337
77	30	25	635832	3537.48	DFT-s-OFDM 64 QAM	1@63	22.19	21.17	0.1309
77	30	25	635832	3537.48	DFT-s-OFDM 256 QAM	32@16	20.84	19.82	0.0959
77	30	25	635832	3537.48	DFT-s-OFDM 256 QAM	1@1	20.18	19.16	0.0824
77	30	25	635832	3537.48	DFT-s-OFDM 256 QAM	1@63	20.16	19.14	0.0820
77	30	25	635832	3537.48	CP-OFDM QPSK	33@16	23.84	22.82	0.1914
77	30	25	635832	3537.48	CP-OFDM QPSK	1@1	23.23	22.21	0.1663

77	30	25	635832	3537.48	CP-OFDM QPSK	1@63	23.18	22.16	0.1644
77	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	36@18	25.63	24.61	0.2891
77	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	25.57	24.55	0.2851
77	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@76	25.52	24.5	0.2818
77	30	30	631000	3465	DFT-s-OFDM QPSK	36@18	25.63	24.61	0.2891
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	25.56	24.54	0.2844
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@76	25.51	24.49	0.2812
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	36@18	24.63	23.61	0.2296
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	24.52	23.5	0.2239
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@76	24.48	23.46	0.2218
77	30	30	631000	3465	DFT-s-OFDM 64 QAM	36@18	23.13	22.11	0.1626
77	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@1	23.03	22.01	0.1589
77	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@76	23.2	22.18	0.1652
77	30	30	631000	3465	DFT-s-OFDM 256 QAM	36@18	21.13	20.11	0.1026
77	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@1	21.04	20.02	0.1005
77	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@76	20.99	19.97	0.0993
77	30	30	631000	3465	CP-OFDM QPSK	39@19	24.09	23.07	0.2028
77	30	30	631000	3465	CP-OFDM QPSK	1@1	24.09	23.07	0.2028
77	30	30	631000	3465	CP-OFDM QPSK	1@76	23.95	22.93	0.1963
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	25.5	24.48	0.2805
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.54	24.52	0.2831
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@76	25.24	24.22	0.2642
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	25.55	24.53	0.2838
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.51	24.49	0.2812

77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	25.24	24.22	0.2642
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	24.5	23.48	0.2228
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.52	23.5	0.2239
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	24.1	23.08	0.2032
77	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	23	21.98	0.1578
77	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.11	22.09	0.1618
77	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@76	22.67	21.65	0.1462
77	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	20.99	19.97	0.0993
77	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.05	20.03	0.1007
77	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@76	20.74	19.72	0.0938
77	30	30	633334	3500.01	CP-OFDM QPSK	39@19	23.99	22.97	0.1982
77	30	30	633334	3500.01	CP-OFDM QPSK	1@1	24.04	23.02	0.2004
77	30	30	633334	3500.01	CP-OFDM QPSK	1@76	23.7	22.68	0.1854
77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	36@18	25.4	24.38	0.2742
77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	25.42	24.4	0.2754
77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@76	25.26	24.24	0.2655
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	25.41	24.39	0.2748
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	25.38	24.36	0.2729
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	25.27	24.25	0.2661
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	24.41	23.39	0.2183
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.42	23.4	0.2188
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	24.24	23.22	0.2099
77	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	36@18	22.91	21.89	0.1545
77	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	23.08	22.06	0.1607

77	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@76	22.71	21.69	0.1476
77	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	36@18	20.89	19.87	0.0971
77	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	20.86	19.84	0.0964
77	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@76	20.79	19.77	0.0948
77	30	30	635666	3534.99	CP-OFDM QPSK	39@19	23.9	22.88	0.1941
77	30	30	635666	3534.99	CP-OFDM QPSK	1@1	23.97	22.95	0.1972
77	30	30	635666	3534.99	CP-OFDM QPSK	1@76	23.77	22.75	0.1884
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	25.61	24.59	0.2877
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	25.56	24.54	0.2844
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	25.4	24.38	0.2742
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	25.65	24.63	0.2904
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.55	24.53	0.2838
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	25.36	24.34	0.2716
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	24.63	23.61	0.2296
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.57	23.55	0.2265
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	24.43	23.41	0.2193
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	23.13	22.11	0.1626
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	23.04	22.02	0.1592
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	22.98	21.96	0.1570
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	21.09	20.07	0.1016
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	21.03	20.01	0.1002
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	20.88	19.86	0.0968
77	30	40	631334	3470.01	CP-OFDM QPSK	53@26	24.09	23.07	0.2028
77	30	40	631334	3470.01	CP-OFDM QPSK	1@1	24.07	23.05	0.2018
77	30	40	631334	3470.01	CP-OFDM QPSK	1@104	23.93	22.91	0.1954

77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	25.49	24.47	0.2799
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.63	24.61	0.2891
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	25.21	24.19	0.2624
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	25.49	24.47	0.2799
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.55	24.53	0.2838
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	25.2	24.18	0.2618
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	24.5	23.48	0.2228
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.59	23.57	0.2275
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	24.19	23.17	0.2075
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	22.98	21.96	0.1570
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.03	22.01	0.1589
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	22.97	21.95	0.1567
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	20.96	19.94	0.0986
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.08	20.06	0.1014
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	20.74	19.72	0.0938
77	30	40	633334	3500.01	CP-OFDM QPSK	53@26	23.95	22.93	0.1963
77	30	40	633334	3500.01	CP-OFDM QPSK	1@1	24.15	23.13	0.2056
77	30	40	633334	3500.01	CP-OFDM QPSK	1@104	23.8	22.78	0.1897
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	25.35	24.33	0.2710
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	25.41	24.39	0.2748
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	25.32	24.3	0.2692
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	25.37	24.35	0.2723
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	25.39	24.37	0.2735
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	25.24	24.22	0.2642

77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	24.36	23.34	0.2158
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	24.39	23.37	0.2173
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	24.21	23.19	0.2084
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	22.88	21.86	0.1535
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	23.07	22.05	0.1603
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	22.89	21.87	0.1538
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	20.83	19.81	0.0957
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	20.9	19.88	0.0973
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	20.73	19.71	0.0935
77	30	40	635332	3529.98	CP-OFDM QPSK	53@26	23.85	22.83	0.1919
77	30	40	635332	3529.98	CP-OFDM QPSK	1@1	23.98	22.96	0.1977
77	30	40	635332	3529.98	CP-OFDM QPSK	1@104	23.83	22.81	0.1910
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	64@32	25.61	24.59	0.2877
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	25.56	24.54	0.2844
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	25.36	24.34	0.2716
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	25.64	24.62	0.2897
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	25.61	24.59	0.2877
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	25.32	24.3	0.2692
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	24.66	23.64	0.2312
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	24.44	23.42	0.2198
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	24.19	23.17	0.2075
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	23.14	22.12	0.1629
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	23.12	22.1	0.1622
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	22.77	21.75	0.1496

77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	21.17	20.15	0.1035
77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	21.13	20.11	0.1026
77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	20.78	19.76	0.0946
77	30	50	631668	3475.02	CP-OFDM QPSK	67@33	24.17	23.15	0.2065
77	30	50	631668	3475.02	CP-OFDM QPSK	1@1	24.18	23.16	0.2070
77	30	50	631668	3475.02	CP-OFDM QPSK	1@131	23.84	22.82	0.1914
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	25.49	24.47	0.2799
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.63	24.61	0.2891
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	25.2	24.18	0.2618
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	25.5	24.48	0.2805
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.66	24.64	0.2911
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	25.22	24.2	0.2630
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	24.51	23.49	0.2234
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.57	23.55	0.2265
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	24.24	23.22	0.2099
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	23.03	22.01	0.1589
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.08	22.06	0.1607
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	22.64	21.62	0.1452
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	21	19.98	0.0995
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.14	20.12	0.1028
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	20.68	19.66	0.0925
77	30	50	633334	3500.01	CP-OFDM QPSK	67@33	23.98	22.96	0.1977
77	30	50	633334	3500.01	CP-OFDM QPSK	1@1	24.25	23.23	0.2104
77	30	50	633334	3500.01	CP-OFDM QPSK	1@131	23.81	22.79	0.1901
77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	64@32	25.4	24.38	0.2742

77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	25.47	24.45	0.2786
77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@131	25.25	24.23	0.2649
77	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	25.45	24.43	0.2773
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.45	24.43	0.2773
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	25.25	24.23	0.2649
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	64@32	24.44	23.42	0.2198
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.43	23.41	0.2193
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@131	24.26	23.24	0.2109
77	30	50	635000	3525	DFT-s-OFDM 64 QAM	64@32	22.92	21.9	0.1549
77	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	22.94	21.92	0.1556
77	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@131	22.67	21.65	0.1462
77	30	50	635000	3525	DFT-s-OFDM 256 QAM	64@32	20.89	19.87	0.0971
77	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	20.99	19.97	0.0993
77	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@131	20.75	19.73	0.0940
77	30	50	635000	3525	CP-OFDM QPSK	67@33	23.98	22.96	0.1977
77	30	50	635000	3525	CP-OFDM QPSK	1@1	23.99	22.97	0.1982
77	30	50	635000	3525	CP-OFDM QPSK	1@131	23.75	22.73	0.1875
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	81@40	25.61	24.59	0.2877
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	25.58	24.56	0.2858
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@160	25.2	24.18	0.2618
77	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	25.63	24.61	0.2891
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	25.58	24.56	0.2858
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	25.19	24.17	0.2612
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	81@40	24.68	23.66	0.2323

77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	24.65	23.63	0.2307
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@160	24.25	23.23	0.2104
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	81@40	23.14	22.12	0.1629
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@1	23.19	22.17	0.1648
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@160	22.81	21.79	0.1510
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	81@40	21.13	20.11	0.1026
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@1	21.09	20.07	0.1016
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@160	20.74	19.72	0.0938
77	30	60	632000	3480	CP-OFDM QPSK	81@40	24.11	23.09	0.2037
77	30	60	632000	3480	CP-OFDM QPSK	1@1	24.14	23.12	0.2051
77	30	60	632000	3480	CP-OFDM QPSK	1@160	23.78	22.76	0.1888
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	81@40	25.46	24.44	0.2780
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.62	24.6	0.2884
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	25.17	24.15	0.2600
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	25.46	24.44	0.2780
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.6	24.58	0.2871
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	25.12	24.1	0.2570
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	24.49	23.47	0.2223
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.65	23.63	0.2307
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	24.2	23.18	0.2080
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	22.98	21.96	0.1570
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.32	22.3	0.1698
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	22.62	21.6	0.1445
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	20.97	19.95	0.0989

77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.16	20.14	0.1033
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	20.68	19.66	0.0925
77	30	60	633334	3500.01	CP-OFDM QPSK	81@40	23.98	22.96	0.1977
77	30	60	633334	3500.01	CP-OFDM QPSK	1@1	24.2	23.18	0.2080
77	30	60	633334	3500.01	CP-OFDM QPSK	1@160	23.75	22.73	0.1875
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	25.4	24.38	0.2742
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	25.57	24.55	0.2851
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	25.17	24.15	0.2600
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	25.43	24.41	0.2761
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.55	24.53	0.2838
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	25.17	24.15	0.2600
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	24.39	23.37	0.2173
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	24.58	23.56	0.2270
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	24.21	23.19	0.2084
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	22.94	21.92	0.1556
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	23.01	21.99	0.1581
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	22.66	21.64	0.1459
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	20.89	19.87	0.0971
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	21.09	20.07	0.1016
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	20.69	19.67	0.0927
77	30	60	634666	3519.99	CP-OFDM QPSK	81@40	23.87	22.85	0.1928
77	30	60	634666	3519.99	CP-OFDM QPSK	1@1	24	22.98	0.1986
77	30	60	634666	3519.99	CP-OFDM QPSK	1@160	23.72	22.7	0.1862
77	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	90@45	25.57	24.55	0.2851
77	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	25.61	24.59	0.2877

77	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@187	25.22	24.2	0.2630
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	25.65	24.63	0.2904
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	25.59	24.57	0.2864
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	25.18	24.16	0.2606
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	90@45	24.6	23.58	0.2280
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	24.54	23.52	0.2249
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@187	24.19	23.17	0.2075
77	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	90@45	23.09	22.07	0.1611
77	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@1	23.12	22.1	0.1622
77	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@187	22.77	21.75	0.1496
77	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	90@45	21.11	20.09	0.1021
77	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@1	21.12	20.1	0.1023
77	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@187	20.66	19.64	0.0920
77	30	70	632334	3485.01	CP-OFDM QPSK	95@47	24.08	23.06	0.2023
77	30	70	632334	3485.01	CP-OFDM QPSK	1@1	24.11	23.09	0.2037
77	30	70	632334	3485.01	CP-OFDM QPSK	1@187	23.72	22.7	0.1862
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	90@45	25.5	24.48	0.2805
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.66	24.64	0.2911
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@187	25.25	24.23	0.2649
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	25.53	24.51	0.2825
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.6	24.58	0.2871
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	25.16	24.14	0.2594
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	90@45	24.53	23.51	0.2244
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.6	23.58	0.2280

77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@187	24.23	23.21	0.2094
77	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	90@45	23.04	22.02	0.1592
77	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.12	22.1	0.1622
77	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@187	22.87	21.85	0.1531
77	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	90@45	21	19.98	0.0995
77	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.12	20.1	0.1023
77	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@187	20.76	19.74	0.0942
77	30	70	633334	3500.01	CP-OFDM QPSK	95@47	23.98	22.96	0.1977
77	30	70	633334	3500.01	CP-OFDM QPSK	1@1	24.13	23.11	0.2046
77	30	70	633334	3500.01	CP-OFDM QPSK	1@187	23.78	22.76	0.1888
77	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	90@45	25.48	24.46	0.2793
77	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	25.66	24.64	0.2911
77	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@187	25.27	24.25	0.2661
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	90@45	25.53	24.51	0.2825
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	25.62	24.6	0.2884
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	25.25	24.23	0.2649
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	90@45	24.54	23.52	0.2249
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	24.63	23.61	0.2296
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@187	24.3	23.28	0.2128
77	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	90@45	23	21.98	0.1578
77	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@1	23.09	22.07	0.1611
77	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@187	22.74	21.72	0.1486
77	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	90@45	20.97	19.95	0.0989
77	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@1	21.13	20.11	0.1026

77	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@187	20.78	19.76	0.0946
77	30	70	634332	3514.98	CP-OFDM QPSK	95@47	23.97	22.95	0.1972
77	30	70	634332	3514.98	CP-OFDM QPSK	1@1	24.15	23.13	0.2056
77	30	70	634332	3514.98	CP-OFDM QPSK	1@187	23.88	22.86	0.1932
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	25.55	24.53	0.2838
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	25.64	24.62	0.2897
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	25.23	24.21	0.2636
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	25.57	24.55	0.2851
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.67	24.65	0.2917
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	25.19	24.17	0.2612
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	24.64	23.62	0.2301
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	24.69	23.67	0.2328
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	24.22	23.2	0.2089
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	23.08	22.06	0.1607
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	23.2	22.18	0.1652
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	22.74	21.72	0.1486
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	21.08	20.06	0.1014
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	21.15	20.13	0.1030
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	20.75	19.73	0.0940
77	30	80	632668	3490.02	CP-OFDM QPSK	109@54	24.08	23.06	0.2023
77	30	80	632668	3490.02	CP-OFDM QPSK	1@1	24.2	23.18	0.2080
77	30	80	632668	3490.02	CP-OFDM QPSK	1@215	23.78	22.76	0.1888
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	25.48	24.46	0.2793
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.63	24.61	0.2891
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	25.24	24.22	0.2642

77	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	25.54	24.52	0.2831
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.65	24.63	0.2904
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	25.27	24.25	0.2661
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	24.52	23.5	0.2239
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.55	23.53	0.2254
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	24.2	23.18	0.2080
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	23.01	21.99	0.1581
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.21	22.19	0.1656
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	22.71	21.69	0.1476
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	21	19.98	0.0995
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.15	20.13	0.1030
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	20.73	19.71	0.0935
77	30	80	633334	3500.01	CP-OFDM QPSK	109@54	23.99	22.97	0.1982
77	30	80	633334	3500.01	CP-OFDM QPSK	1@1	24.18	23.16	0.2070
77	30	80	633334	3500.01	CP-OFDM QPSK	1@215	23.8	22.78	0.1897
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	108@54	25.48	24.46	0.2793
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	25.68	24.66	0.2924
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@215	25.3	24.28	0.2679
77	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	25.52	24.5	0.2818
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	25.69	24.67	0.2931
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	25.31	24.29	0.2685
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	108@54	24.49	23.47	0.2223
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	24.66	23.64	0.2312
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@215	24.31	23.29	0.2133

77	30	80	634000	3510	DFT-s-OFDM 64 QAM	108@54	23.02	22	0.1585
77	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@1	23.17	22.15	0.1641
77	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@215	22.74	21.72	0.1486
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	108@54	20.98	19.96	0.0991
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@1	21.17	20.15	0.1035
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@215	20.74	19.72	0.0938
77	30	80	634000	3510	CP-OFDM QPSK	109@54	23.96	22.94	0.1968
77	30	80	634000	3510	CP-OFDM QPSK	1@1	24.23	23.21	0.2094
77	30	80	634000	3510	CP-OFDM QPSK	1@215	23.86	22.84	0.1923
77	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	120@60	25.56	24.54	0.2844
77	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	25.63	24.61	0.2891
77	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@243	25.17	24.15	0.2600
77	30	90	633000	3495	DFT-s-OFDM QPSK	120@60	25.58	24.56	0.2858
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	25.67	24.65	0.2917
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@243	25.2	24.18	0.2618
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	120@60	24.61	23.59	0.2286
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	24.53	23.51	0.2244
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@243	24.26	23.24	0.2109
77	30	90	633000	3495	DFT-s-OFDM 64 QAM	120@60	23.04	22.02	0.1592
77	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@1	23.23	22.21	0.1663
77	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@243	22.69	21.67	0.1469
77	30	90	633000	3495	DFT-s-OFDM 256 QAM	120@60	21.06	20.04	0.1009
77	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@1	21.16	20.14	0.1033
77	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@243	20.73	19.71	0.0935

77	30	90	633000	3495	CP-OFDM QPSK	123@61	24.02	23	0.1995
77	30	90	633000	3495	CP-OFDM QPSK	1@1	24.15	23.13	0.2056
77	30	90	633000	3495	CP-OFDM QPSK	1@243	23.7	22.68	0.1854
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	120@60	25.54	24.52	0.2831
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.66	24.64	0.2911
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@243	25.23	24.21	0.2636
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	25.56	24.54	0.2844
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.66	24.64	0.2911
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	25.23	24.21	0.2636
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	120@60	24.6	23.58	0.2280
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.68	23.66	0.2323
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@243	24.22	23.2	0.2089
77	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	120@60	23.07	22.05	0.1603
77	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.16	22.14	0.1637
77	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@243	22.93	21.91	0.1552
77	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	120@60	21.03	20.01	0.1002
77	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.14	20.12	0.1028
77	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@243	20.74	19.72	0.0938
77	30	90	633334	3500.01	CP-OFDM QPSK	123@61	24	22.98	0.1986
77	30	90	633334	3500.01	CP-OFDM QPSK	1@1	24.14	23.12	0.2051
77	30	90	633334	3500.01	CP-OFDM QPSK	1@243	23.78	22.76	0.1888
77	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	120@60	25.52	24.5	0.2818
77	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	25.7	24.68	0.2938
77	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@243	25.28	24.26	0.2667
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	25.55	24.53	0.2838

77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	25.72	24.7	0.2951
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	25.27	24.25	0.2661
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	24.59	23.57	0.2275
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	24.63	23.61	0.2296
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	24.06	23.04	0.2014
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	120@60	23.02	22	0.1585
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@1	23.47	22.45	0.1758
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@243	23.01	21.99	0.1581
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	120@60	21.03	20.01	0.1002
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@1	21.22	20.2	0.1047
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@243	20.77	19.75	0.0944
77	30	90	633666	3504.99	CP-OFDM QPSK	123@61	23.98	22.96	0.1977
77	30	90	633666	3504.99	CP-OFDM QPSK	1@1	24.22	23.2	0.2089
77	30	90	633666	3504.99	CP-OFDM QPSK	1@243	23.75	22.73	0.1875
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.54	24.52	0.2831
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.62	24.6	0.2884
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	25.22	24.2	0.2630
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.53	24.51	0.2825
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.64	24.62	0.2897
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25.21	24.19	0.2624
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.53	23.51	0.2244
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.68	23.66	0.2323
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	24.22	23.2	0.2089
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.01	21.99	0.1581

77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.21	22.19	0.1656
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	22.78	21.76	0.1500
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.02	20	0.1000
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.16	20.14	0.1033
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	20.72	19.7	0.0933
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	23.98	22.96	0.1977
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	24.17	23.15	0.2065
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	23.68	22.66	0.1845

Software Version: 22.02.012001

FR1 N78

Transmitter Conducted Output Power And EIRP, (G_T - L_C) =-1.02dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	15	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	25@12	27.19	26.17	0.4140
78	15	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	26.99	25.97	0.3954
78	15	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@50	27.05	26.03	0.4009
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	25@12	27.21	26.19	0.4159
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	27.14	26.12	0.4093
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@50	27.12	26.1	0.4074
78	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	25@12	26.19	25.17	0.3289
78	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	25.69	24.67	0.2931
78	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@50	25.69	24.67	0.2931
78	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	25@12	24.75	23.73	0.2360
78	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@1	24.41	23.39	0.2183
78	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@50	24.36	23.34	0.2158
78	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	25@12	22.65	21.63	0.1455
78	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@1	22.55	21.53	0.1422
78	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@50	22.58	21.56	0.1432
78	15	10	630334	3455.01	CP-OFDM QPSK	26@13	25.74	24.72	0.2965
78	15	10	630334	3455.01	CP-OFDM QPSK	1@1	25.54	24.52	0.2831
78	15	10	630334	3455.01	CP-OFDM QPSK	1@50	25.56	24.54	0.2844
78	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	27.22	26.2	0.4169
78	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	27.1	26.08	0.4055

78	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@50	27.01	25.99	0.3972
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	25@12	27.24	26.22	0.4188
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.17	26.15	0.4121
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@50	27.18	26.16	0.4130
78	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	26.25	25.23	0.3334
78	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.92	24.9	0.3090
78	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@50	25.89	24.87	0.3069
78	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	24.79	23.77	0.2382
78	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.53	23.51	0.2244
78	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@50	24.5	23.48	0.2228
78	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	22.72	21.7	0.1479
78	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.58	21.56	0.1432
78	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@50	22.59	21.57	0.1435
78	15	10	633334	3500.01	CP-OFDM QPSK	26@13	25.78	24.76	0.2992
78	15	10	633334	3500.01	CP-OFDM QPSK	1@1	25.58	24.56	0.2858
78	15	10	633334	3500.01	CP-OFDM QPSK	1@50	25.56	24.54	0.2844
78	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	25@12	27.16	26.14	0.4111
78	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	1@1	27.07	26.05	0.4027
78	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	1@50	27.04	26.02	0.3999
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	25@12	27.2	26.18	0.4150
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@1	27.15	26.13	0.4102
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@50	27.12	26.1	0.4074
78	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	25@12	26.2	25.18	0.3296
78	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@1	25.91	24.89	0.3083

78	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@50	25.81	24.79	0.3013
78	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	25@12	24.72	23.7	0.2344
78	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	1@1	24.53	23.51	0.2244
78	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	1@50	24.52	23.5	0.2239
78	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	25@12	22.65	21.63	0.1455
78	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	1@1	22.69	21.67	0.1469
78	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	1@50	22.57	21.55	0.1429
78	15	10	636333	3544.995	CP-OFDM QPSK	26@13	25.73	24.71	0.2958
78	15	10	636333	3544.995	CP-OFDM QPSK	1@1	25.59	24.57	0.2864
78	15	10	636333	3544.995	CP-OFDM QPSK	1@50	25.56	24.54	0.2844
78	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	36@18	27.24	26.22	0.4188
78	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	27.11	26.09	0.4064
78	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@77	27.18	26.16	0.4130
78	15	15	630500	3457.5	DFT-s-OFDM QPSK	36@18	27.23	26.21	0.4178
78	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	27.2	26.18	0.4150
78	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@77	27.19	26.17	0.4140
78	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	36@18	26.27	25.25	0.3350
78	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	26.01	24.99	0.3155
78	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@77	26.05	25.03	0.3184
78	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	36@18	24.76	23.74	0.2366
78	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@1	24.42	23.4	0.2188
78	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@77	24.43	23.41	0.2193
78	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	36@18	22.76	21.74	0.1493
78	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@1	22.69	21.67	0.1469

78	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@77	22.71	21.69	0.1476
78	15	15	630500	3457.5	CP-OFDM QPSK	39@19	25.74	24.72	0.2965
78	15	15	630500	3457.5	CP-OFDM QPSK	1@1	25.65	24.63	0.2904
78	15	15	630500	3457.5	CP-OFDM QPSK	1@77	25.68	24.66	0.2924
78	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	27.22	26.2	0.4169
78	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	27.09	26.07	0.4046
78	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@77	27.08	26.06	0.4036
78	15	15	633334	3500.01	DFT-s-OFDM QPSK	36@18	27.26	26.24	0.4207
78	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.17	26.15	0.4121
78	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@77	27.14	26.12	0.4093
78	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	26.27	25.25	0.3350
78	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.85	24.83	0.3041
78	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@77	25.82	24.8	0.3020
78	15	15	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	24.79	23.77	0.2382
78	15	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.43	23.41	0.2193
78	15	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@77	24.36	23.34	0.2158
78	15	15	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	22.78	21.76	0.1500
78	15	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.64	21.62	0.1452
78	15	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@77	22.66	21.64	0.1459
78	15	15	633334	3500.01	CP-OFDM QPSK	39@19	25.75	24.73	0.2972
78	15	15	633334	3500.01	CP-OFDM QPSK	1@1	25.62	24.6	0.2884
78	15	15	633334	3500.01	CP-OFDM QPSK	1@77	25.61	24.59	0.2877
78	15	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	36@18	27.17	26.15	0.4121
78	15	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@1	27.05	26.03	0.4009
78	15	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@77	27	25.98	0.3963

78	15	15	636166	3542.49	DFT-s-OFDM QPSK	36@18	27.2	26.18	0.4150
78	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	27.18	26.16	0.4130
78	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@77	27.07	26.05	0.4027
78	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	36@18	26.22	25.2	0.3311
78	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	25.8	24.78	0.3006
78	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@77	25.7	24.68	0.2938
78	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	36@18	24.7	23.68	0.2333
78	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@1	24.42	23.4	0.2188
78	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@77	24.35	23.33	0.2153
78	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	36@18	22.7	21.68	0.1472
78	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@1	22.64	21.62	0.1452
78	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@77	22.49	21.47	0.1403
78	15	15	636166	3542.49	CP-OFDM QPSK	39@19	25.69	24.67	0.2931
78	15	15	636166	3542.49	CP-OFDM QPSK	1@1	25.6	24.58	0.2871
78	15	15	636166	3542.49	CP-OFDM QPSK	1@77	25.5	24.48	0.2805
78	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	50@25	27.27	26.25	0.4217
78	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	1@1	27.11	26.09	0.4064
78	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	1@104	27.14	26.12	0.4093
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	50@25	27.28	26.26	0.4227
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@1	27.23	26.21	0.4178
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@104	27.23	26.21	0.4178
78	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	50@25	26.32	25.3	0.3388
78	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@1	25.91	24.89	0.3083
78	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@104	25.83	24.81	0.3027

78	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	50@25	24.78	23.76	0.2377
78	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	1@1	24.41	23.39	0.2183
78	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	1@104	24.4	23.38	0.2178
78	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	50@25	22.78	21.76	0.1500
78	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	1@1	22.72	21.7	0.1479
78	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	1@104	22.72	21.7	0.1479
78	15	20	630667	3460.005	CP-OFDM QPSK	53@26	25.77	24.75	0.2985
78	15	20	630667	3460.005	CP-OFDM QPSK	1@1	25.66	24.64	0.2911
78	15	20	630667	3460.005	CP-OFDM QPSK	1@104	25.67	24.65	0.2917
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	27.21	26.19	0.4159
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	27.07	26.05	0.4027
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	27.03	26.01	0.3990
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	50@25	27.26	26.24	0.4207
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.18	26.16	0.4130
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@104	27.12	26.1	0.4074
78	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	26.28	25.26	0.3357
78	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.96	24.94	0.3119
78	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	25.96	24.94	0.3119
78	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	24.74	23.72	0.2355
78	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.49	23.47	0.2223
78	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	24.55	23.53	0.2254
78	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	22.67	21.65	0.1462
78	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.61	21.59	0.1442
78	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	22.55	21.53	0.1422

78	15	20	633334	3500.01	CP-OFDM QPSK	53@26	25.74	24.72	0.2965
78	15	20	633334	3500.01	CP-OFDM QPSK	1@1	25.63	24.61	0.2891
78	15	20	633334	3500.01	CP-OFDM QPSK	1@104	25.6	24.58	0.2871
78	15	20	636000	3540	DFT-s-OFDM PI/2 BPSK	50@25	27.15	26.13	0.4102
78	15	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	27.08	26.06	0.4036
78	15	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@104	26.96	25.94	0.3926
78	15	20	636000	3540	DFT-s-OFDM QPSK	50@25	27.19	26.17	0.4140
78	15	20	636000	3540	DFT-s-OFDM QPSK	1@1	27.19	26.17	0.4140
78	15	20	636000	3540	DFT-s-OFDM QPSK	1@104	27.02	26	0.3981
78	15	20	636000	3540	DFT-s-OFDM 16 QAM	50@25	26.19	25.17	0.3289
78	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	25.92	24.9	0.3090
78	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@104	25.84	24.82	0.3034
78	15	20	636000	3540	DFT-s-OFDM 64 QAM	50@25	24.68	23.66	0.2323
78	15	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	24.54	23.52	0.2249
78	15	20	636000	3540	DFT-s-OFDM 64 QAM	1@104	24.32	23.3	0.2138
78	15	20	636000	3540	DFT-s-OFDM 256 QAM	50@25	22.64	21.62	0.1452
78	15	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	22.68	21.66	0.1466
78	15	20	636000	3540	DFT-s-OFDM 256 QAM	1@104	22.48	21.46	0.1400
78	15	20	636000	3540	CP-OFDM QPSK	53@26	25.68	24.66	0.2924
78	15	20	636000	3540	CP-OFDM QPSK	1@1	25.6	24.58	0.2871
78	15	20	636000	3540	CP-OFDM QPSK	1@104	25.44	24.42	0.2767
78	15	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	64@32	27	25.98	0.3963
78	15	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	1@1	26.28	25.26	0.3357
78	15	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	1@131	26.32	25.3	0.3388
78	15	25	630834	3462.51	DFT-s-OFDM QPSK	64@32	27.03	26.01	0.3990

78	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	26.27	25.25	0.3350
78	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@131	26.29	25.27	0.3365
78	15	25	630834	3462.51	DFT-s-OFDM 16 QAM	64@32	26.03	25.01	0.3170
78	15	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	25.22	24.2	0.2630
78	15	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@131	25.19	24.17	0.2612
78	15	25	630834	3462.51	DFT-s-OFDM 64 QAM	64@32	24.5	23.48	0.2228
78	15	25	630834	3462.51	DFT-s-OFDM 64 QAM	1@1	23.75	22.73	0.1875
78	15	25	630834	3462.51	DFT-s-OFDM 64 QAM	1@131	23.65	22.63	0.1832
78	15	25	630834	3462.51	DFT-s-OFDM 256 QAM	64@32	22.47	21.45	0.1396
78	15	25	630834	3462.51	DFT-s-OFDM 256 QAM	1@1	21.83	20.81	0.1205
78	15	25	630834	3462.51	DFT-s-OFDM 256 QAM	1@131	21.88	20.86	0.1219
78	15	25	630834	3462.51	CP-OFDM QPSK	67@33	25.54	24.52	0.2831
78	15	25	630834	3462.51	CP-OFDM QPSK	1@1	24.82	23.8	0.2399
78	15	25	630834	3462.51	CP-OFDM QPSK	1@131	24.83	23.81	0.2404
78	15	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	27.03	26.01	0.3990
78	15	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.33	25.31	0.3396
78	15	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	26.21	25.19	0.3304
78	15	25	633334	3500.01	DFT-s-OFDM QPSK	64@32	27.05	26.03	0.4009
78	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.31	25.29	0.3381
78	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@131	26.24	25.22	0.3327
78	15	25	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	26.05	25.03	0.3184
78	15	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.16	24.14	0.2594
78	15	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	25.07	24.05	0.2541
78	15	25	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	24.51	23.49	0.2234

78	15	25	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.59	22.57	0.1807
78	15	25	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	23.53	22.51	0.1782
78	15	25	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	22.48	21.46	0.1400
78	15	25	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.77	20.75	0.1189
78	15	25	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	21.71	20.69	0.1172
78	15	25	633334	3500.01	CP-OFDM QPSK	67@33	25.54	24.52	0.2831
78	15	25	633334	3500.01	CP-OFDM QPSK	1@1	24.79	23.77	0.2382
78	15	25	633334	3500.01	CP-OFDM QPSK	1@131	24.76	23.74	0.2366
78	15	25	635833	3537.495	DFT-s-OFDM PI/2 BPSK	64@32	26.96	25.94	0.3926
78	15	25	635833	3537.495	DFT-s-OFDM PI/2 BPSK	1@1	26.29	25.27	0.3365
78	15	25	635833	3537.495	DFT-s-OFDM PI/2 BPSK	1@131	26.11	25.09	0.3228
78	15	25	635833	3537.495	DFT-s-OFDM QPSK	64@32	26.98	25.96	0.3945
78	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@1	26.28	25.26	0.3357
78	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@131	26.09	25.07	0.3214
78	15	25	635833	3537.495	DFT-s-OFDM 16 QAM	64@32	25.95	24.93	0.3112
78	15	25	635833	3537.495	DFT-s-OFDM 16 QAM	1@1	25.26	24.24	0.2655
78	15	25	635833	3537.495	DFT-s-OFDM 16 QAM	1@131	24.96	23.94	0.2477
78	15	25	635833	3537.495	DFT-s-OFDM 64 QAM	64@32	24.43	23.41	0.2193
78	15	25	635833	3537.495	DFT-s-OFDM 64 QAM	1@1	23.56	22.54	0.1795
78	15	25	635833	3537.495	DFT-s-OFDM 64 QAM	1@131	23.4	22.38	0.1730
78	15	25	635833	3537.495	DFT-s-OFDM 256 QAM	64@32	22.39	21.37	0.1371
78	15	25	635833	3537.495	DFT-s-OFDM 256 QAM	1@1	21.8	20.78	0.1197
78	15	25	635833	3537.495	DFT-s-OFDM 256 QAM	1@131	21.66	20.64	0.1159
78	15	25	635833	3537.495	CP-OFDM QPSK	67@33	25.48	24.46	0.2793
78	15	25	635833	3537.495	CP-OFDM QPSK	1@1	24.76	23.74	0.2366

78	15	25	635833	3537.495	CP-OFDM QPSK	1@131	24.63	23.61	0.2296
78	15	30	631000	3465	DFT-s-OFDM PI/2 BPSK	80@40	27.09	26.07	0.4046
78	15	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	26.97	25.95	0.3936
78	15	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@158	27.02	26	0.3981
78	15	30	631000	3465	DFT-s-OFDM QPSK	80@40	27.13	26.11	0.4083
78	15	30	631000	3465	DFT-s-OFDM QPSK	1@1	27.07	26.05	0.4027
78	15	30	631000	3465	DFT-s-OFDM QPSK	1@158	27.03	26.01	0.3990
78	15	30	631000	3465	DFT-s-OFDM 16 QAM	80@40	26.14	25.12	0.3251
78	15	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	25.84	24.82	0.3034
78	15	30	631000	3465	DFT-s-OFDM 16 QAM	1@158	25.89	24.87	0.3069
78	15	30	631000	3465	DFT-s-OFDM 64 QAM	80@40	24.64	23.62	0.2301
78	15	30	631000	3465	DFT-s-OFDM 64 QAM	1@1	24.3	23.28	0.2128
78	15	30	631000	3465	DFT-s-OFDM 64 QAM	1@158	24.26	23.24	0.2109
78	15	30	631000	3465	DFT-s-OFDM 256 QAM	80@40	22.63	21.61	0.1449
78	15	30	631000	3465	DFT-s-OFDM 256 QAM	1@1	22.58	21.56	0.1432
78	15	30	631000	3465	DFT-s-OFDM 256 QAM	1@158	22.44	21.42	0.1387
78	15	30	631000	3465	CP-OFDM QPSK	80@40	25.61	24.59	0.2877
78	15	30	631000	3465	CP-OFDM QPSK	1@1	25.53	24.51	0.2825
78	15	30	631000	3465	CP-OFDM QPSK	1@158	25.55	24.53	0.2838
78	15	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	80@40	27.12	26.1	0.4074
78	15	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	27	25.98	0.3963
78	15	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@158	26.89	25.87	0.3864
78	15	30	633334	3500.01	DFT-s-OFDM QPSK	80@40	27.15	26.13	0.4102
78	15	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.07	26.05	0.4027

78	15	30	633334	3500.01	DFT-s-OFDM QPSK	1@158	26.95	25.93	0.3917
78	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	80@40	26.14	25.12	0.3251
78	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.71	24.69	0.2944
78	15	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@158	25.62	24.6	0.2884
78	15	30	633334	3500.01	DFT-s-OFDM 64 QAM	80@40	24.64	23.62	0.2301
78	15	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.35	23.33	0.2153
78	15	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@158	24.15	23.13	0.2056
78	15	30	633334	3500.01	DFT-s-OFDM 256 QAM	80@40	22.64	21.62	0.1452
78	15	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.54	21.52	0.1419
78	15	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@158	22.38	21.36	0.1368
78	15	30	633334	3500.01	CP-OFDM QPSK	80@40	25.61	24.59	0.2877
78	15	30	633334	3500.01	CP-OFDM QPSK	1@1	25.53	24.51	0.2825
78	15	30	633334	3500.01	CP-OFDM QPSK	1@158	25.44	24.42	0.2767
78	15	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	80@40	27.06	26.04	0.4018
78	15	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	26.99	25.97	0.3954
78	15	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@158	26.86	25.84	0.3837
78	15	30	635666	3534.99	DFT-s-OFDM QPSK	80@40	27.09	26.07	0.4046
78	15	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	27.06	26.04	0.4018
78	15	30	635666	3534.99	DFT-s-OFDM QPSK	1@158	26.86	25.84	0.3837
78	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	80@40	26.09	25.07	0.3214
78	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	25.68	24.66	0.2924
78	15	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@158	25.56	24.54	0.2844
78	15	30	635666	3534.99	DFT-s-OFDM 64 QAM	80@40	24.56	23.54	0.2259
78	15	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	24.32	23.3	0.2138

78	15	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@158	24.12	23.1	0.2042
78	15	30	635666	3534.99	DFT-s-OFDM 256 QAM	80@40	22.55	21.53	0.1422
78	15	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	22.53	21.51	0.1416
78	15	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@158	22.41	21.39	0.1377
78	15	30	635666	3534.99	CP-OFDM QPSK	80@40	25.57	24.55	0.2851
78	15	30	635666	3534.99	CP-OFDM QPSK	1@1	25.53	24.51	0.2825
78	15	30	635666	3534.99	CP-OFDM QPSK	1@158	25.41	24.39	0.2748
78	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	108@54	27.11	26.09	0.4064
78	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	26.99	25.97	0.3954
78	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@214	26.92	25.9	0.3890
78	15	40	631334	3470.01	DFT-s-OFDM QPSK	108@54	27.12	26.1	0.4074
78	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	27.05	26.03	0.4009
78	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@214	26.96	25.94	0.3926
78	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	108@54	26.17	25.15	0.3273
78	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	25.71	24.69	0.2944
78	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@214	25.6	24.58	0.2871
78	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	108@54	24.63	23.61	0.2296
78	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	24.35	23.33	0.2153
78	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@214	24.3	23.28	0.2128
78	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	108@54	22.6	21.58	0.1439
78	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	22.59	21.57	0.1435
78	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@214	22.5	21.48	0.1406
78	15	40	631334	3470.01	CP-OFDM QPSK	108@54	25.61	24.59	0.2877
78	15	40	631334	3470.01	CP-OFDM QPSK	1@1	25.57	24.55	0.2851
78	15	40	631334	3470.01	CP-OFDM QPSK	1@214	25.4	24.38	0.2742

78	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	27.11	26.09	0.4064
78	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	27.04	26.02	0.3999
78	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@214	26.88	25.86	0.3855
78	15	40	633334	3500.01	DFT-s-OFDM QPSK	108@54	27.14	26.12	0.4093
78	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.07	26.05	0.4027
78	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@214	26.91	25.89	0.3882
78	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	26.17	25.15	0.3273
78	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.93	24.91	0.3097
78	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@214	25.67	24.65	0.2917
78	15	40	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	24.62	23.6	0.2291
78	15	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.44	23.42	0.2198
78	15	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@214	24.26	23.24	0.2109
78	15	40	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	22.6	21.58	0.1439
78	15	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.65	21.63	0.1455
78	15	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@214	22.3	21.28	0.1343
78	15	40	633334	3500.01	CP-OFDM QPSK	108@54	25.59	24.57	0.2864
78	15	40	633334	3500.01	CP-OFDM QPSK	1@1	25.57	24.55	0.2851
78	15	40	633334	3500.01	CP-OFDM QPSK	1@214	25.34	24.32	0.2704
78	15	40	635333	3529.995	DFT-s-OFDM PI/2 BPSK	108@54	27.06	26.04	0.4018
78	15	40	635333	3529.995	DFT-s-OFDM PI/2 BPSK	1@1	27.04	26.02	0.3999
78	15	40	635333	3529.995	DFT-s-OFDM PI/2 BPSK	1@214	26.81	25.79	0.3793
78	15	40	635333	3529.995	DFT-s-OFDM QPSK	108@54	27.08	26.06	0.4036
78	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@1	27.07	26.05	0.4027
78	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@214	26.83	25.81	0.3811

78	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	108@54	26.12	25.1	0.3236
78	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@1	25.94	24.92	0.3105
78	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@214	25.68	24.66	0.2924
78	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	108@54	24.59	23.57	0.2275
78	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	1@1	24.49	23.47	0.2223
78	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	1@214	24.22	23.2	0.2089
78	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	108@54	22.55	21.53	0.1422
78	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	1@1	22.63	21.61	0.1449
78	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	1@214	22.28	21.26	0.1337
78	15	40	635333	3529.995	CP-OFDM QPSK	108@54	25.53	24.51	0.2825
78	15	40	635333	3529.995	CP-OFDM QPSK	1@1	25.54	24.52	0.2831
78	15	40	635333	3529.995	CP-OFDM QPSK	1@214	25.23	24.21	0.2636
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	135@67	27.14	26.12	0.4093
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@1	27.03	26.01	0.3990
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@268	26.9	25.88	0.3873
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	135@67	27.17	26.15	0.4121
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@1	27.05	26.03	0.4009
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@268	26.98	25.96	0.3945
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	135@67	26.16	25.14	0.3266
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@1	25.93	24.91	0.3097
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@268	25.76	24.74	0.2979
78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	135@67	24.65	23.63	0.2307
78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@1	24.38	23.36	0.2168
78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@268	24.23	23.21	0.2094

78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	135@67	22.64	21.62	0.1452
78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@1	22.56	21.54	0.1426
78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@268	22.46	21.44	0.1393
78	15	50	631667	3475.005	CP-OFDM QPSK	135@67	25.63	24.61	0.2891
78	15	50	631667	3475.005	CP-OFDM QPSK	1@1	25.53	24.51	0.2825
78	15	50	631667	3475.005	CP-OFDM QPSK	1@268	25.51	24.49	0.2812
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	27.1	26.08	0.4055
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	27.01	25.99	0.3972
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@268	26.82	25.8	0.3802
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	135@67	27.15	26.13	0.4102
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.12	26.1	0.4074
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@268	26.9	25.88	0.3873
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	26.15	25.13	0.3258
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.75	24.73	0.2972
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@268	25.52	24.5	0.2818
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	24.65	23.63	0.2307
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.39	23.37	0.2173
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@268	24.16	23.14	0.2061
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	22.6	21.58	0.1439
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.62	21.6	0.1445
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@268	22.36	21.34	0.1361
78	15	50	633334	3500.01	CP-OFDM QPSK	135@67	25.61	24.59	0.2877
78	15	50	633334	3500.01	CP-OFDM QPSK	1@1	25.6	24.58	0.2871
78	15	50	633334	3500.01	CP-OFDM QPSK	1@268	25.41	24.39	0.2748
78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	135@67	27.11	26.09	0.4064

78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	27.1	26.08	0.4055
78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@268	26.86	25.84	0.3837
78	15	50	635000	3525	DFT-s-OFDM QPSK	135@67	27.16	26.14	0.4111
78	15	50	635000	3525	DFT-s-OFDM QPSK	1@1	27.17	26.15	0.4121
78	15	50	635000	3525	DFT-s-OFDM QPSK	1@268	26.87	25.85	0.3846
78	15	50	635000	3525	DFT-s-OFDM 16 QAM	135@67	26.13	25.11	0.3243
78	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	25.81	24.79	0.3013
78	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@268	25.58	24.56	0.2858
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	135@67	24.61	23.59	0.2286
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	24.5	23.48	0.2228
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@268	24.2	23.18	0.2080
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	135@67	22.58	21.56	0.1432
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	22.6	21.58	0.1439
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@268	22.35	21.33	0.1358
78	15	50	635000	3525	CP-OFDM QPSK	135@67	25.62	24.6	0.2884
78	15	50	635000	3525	CP-OFDM QPSK	1@1	25.63	24.61	0.2891
78	15	50	635000	3525	CP-OFDM QPSK	1@268	25.4	24.38	0.2742

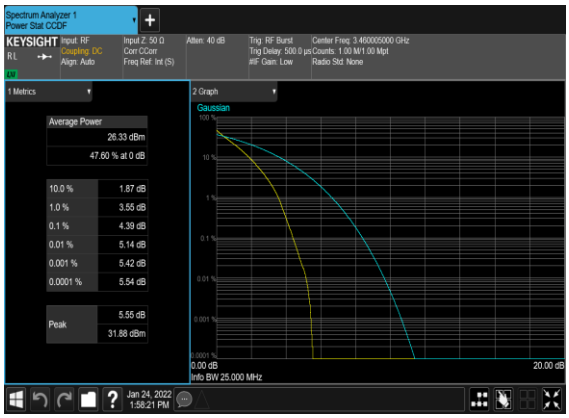
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0322	**PASS**	NV
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0122	**PASS**	LV
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0213	**PASS**	HV
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0211	**PASS**	-30°C
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0225	**PASS**	-20°C
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0232	**PASS**	-10°C
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0213	**PASS**	0°C
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0321	**PASS**	10°C
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0223	**PASS**	20°C
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0235	**PASS**	30°C
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0221	**PASS**	40°C
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.0228	**PASS**	50°C

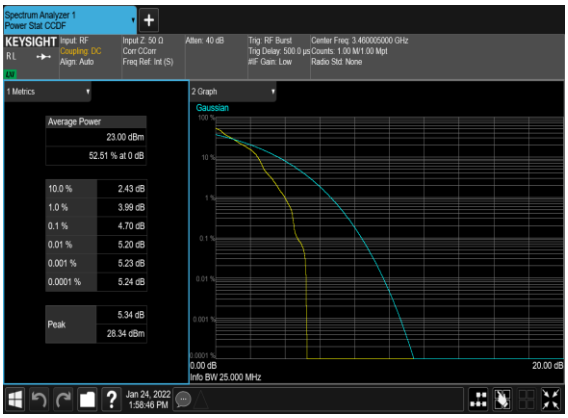
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
78	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	100@0	4.39	13	**PASS**
78	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	1@0	4.7	13	**PASS**
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	100@0	5.65	13	**PASS**
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@0	5.83	13	**PASS**
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	4.46	13	**PASS**
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	5.05	13	**PASS**
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	5.66	13	**PASS**
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	6.41	13	**PASS**
78	15	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	100@0	4.46	13	**PASS**
78	15	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@0	4.52	13	**PASS**
78	15	20	636000	3540.0	DFT-s-OFDM QPSK	100@0	5.66	13	**PASS**
78	15	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	6.07	13	**PASS**

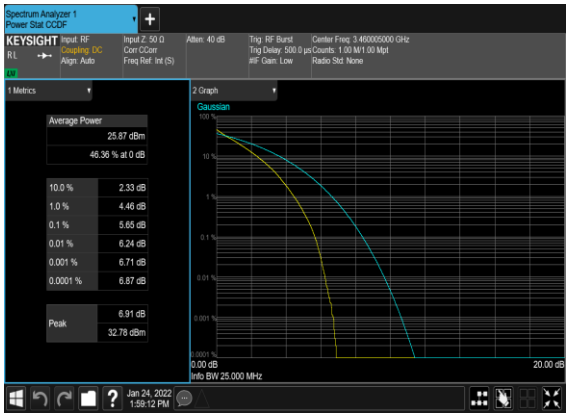
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



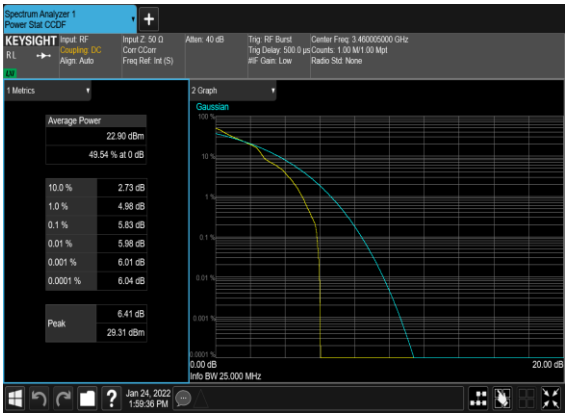
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

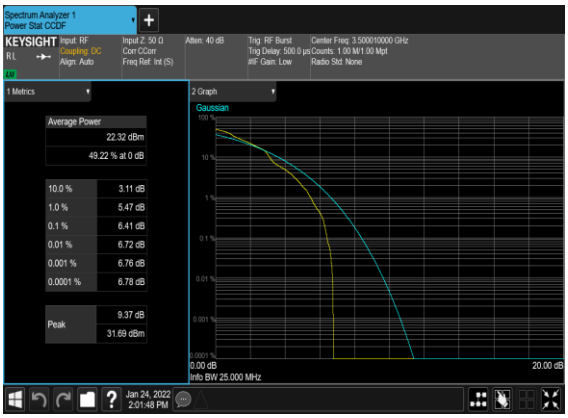


N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

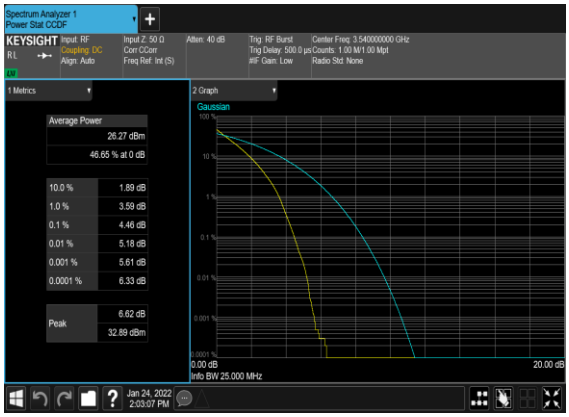
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH

N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



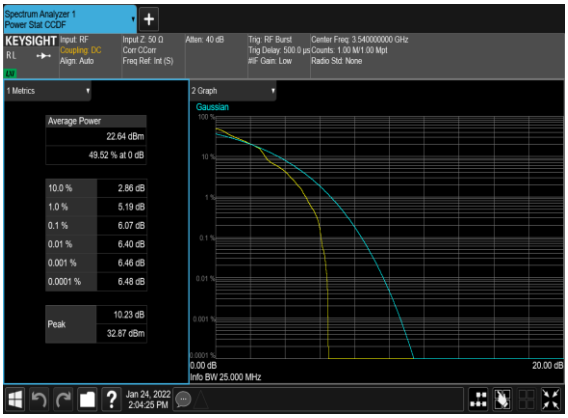
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



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

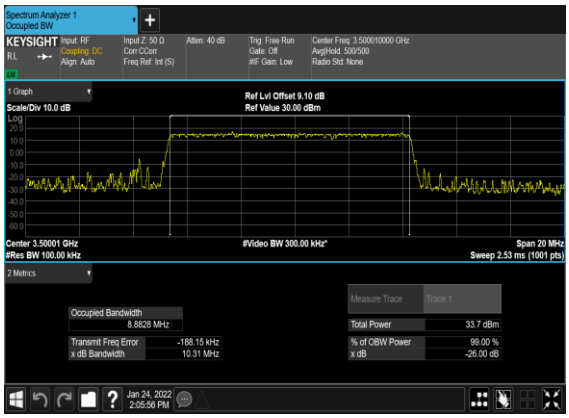


Occupied Bandwidth

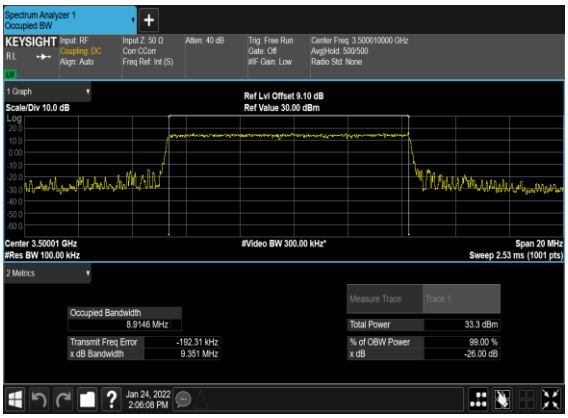
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
78	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	8.8828	10.31
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	50@0	8.9146	9.351
78	15	10	633334	3500.01	CP-OFDM QPSK	52@0	9.2946	9.791
78	15	10	633334	3500.01	CP-OFDM 16 QAM	52@0	9.2805	9.731
78	15	10	633334	3500.01	CP-OFDM 64 QAM	52@0	9.2911	9.994
78	15	10	633334	3500.01	CP-OFDM 256 QAM	52@0	9.2659	9.666
78	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	75@0	13.374	13.99
78	15	15	633334	3500.01	DFT-s-OFDM QPSK	75@0	13.365	14.01
78	15	15	633334	3500.01	CP-OFDM QPSK	79@0	14.088	14.79
78	15	15	633334	3500.01	CP-OFDM 16 QAM	79@0	14.043	14.65
78	15	15	633334	3500.01	CP-OFDM 64 QAM	79@0	14.086	14.72
78	15	15	633334	3500.01	CP-OFDM 256 QAM	79@0	14.094	14.68
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	17.852	18.55
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	17.845	18.59
78	15	20	633334	3500.01	CP-OFDM QPSK	106@0	18.923	20.96
78	15	20	633334	3500.01	CP-OFDM 16 QAM	106@0	18.925	19.64
78	15	20	633334	3500.01	CP-OFDM 64 QAM	106@0	18.911	19.74
78	15	20	633334	3500.01	CP-OFDM 256 QAM	106@0	18.926	19.67
78	15	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	128@0	22.814	23.66
78	15	25	633334	3500.01	DFT-s-OFDM QPSK	128@0	22.849	23.62
78	15	25	633334	3500.01	CP-OFDM QPSK	133@0	23.706	24.58
78	15	25	633334	3500.01	CP-OFDM 16 QAM	133@0	23.656	24.63
78	15	25	633334	3500.01	CP-OFDM 64 QAM	133@0	23.691	24.63
78	15	25	633334	3500.01	CP-OFDM 256 QAM	133@0	23.67	24.57

78	15	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	160@0	28.531	29.54
78	15	30	633334	3500.01	DFT-s-OFDM QPSK	160@0	28.554	29.6
78	15	30	633334	3500.01	CP-OFDM QPSK	160@0	28.548	29.93
78	15	30	633334	3500.01	CP-OFDM 16 QAM	160@0	28.465	29.7
78	15	30	633334	3500.01	CP-OFDM 64 QAM	160@0	28.485	29.53
78	15	30	633334	3500.01	CP-OFDM 256 QAM	160@0	28.635	56.51
78	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	216@0	38.583	39.89
78	15	40	633334	3500.01	DFT-s-OFDM QPSK	216@0	38.501	40.0
78	15	40	633334	3500.01	CP-OFDM QPSK	216@0	38.46	39.95
78	15	40	633334	3500.01	CP-OFDM 16 QAM	216@0	38.61	39.81
78	15	40	633334	3500.01	CP-OFDM 64 QAM	216@0	38.514	39.87
78	15	40	633334	3500.01	CP-OFDM 256 QAM	216@0	38.499	39.98
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	48.17	49.76
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	270@0	48.063	49.81
78	15	50	633334	3500.01	CP-OFDM QPSK	270@0	48.231	49.87
78	15	50	633334	3500.01	CP-OFDM 16 QAM	270@0	48.147	50.11
78	15	50	633334	3500.01	CP-OFDM 64 QAM	270@0	48.097	49.86
78	15	50	633334	3500.01	CP-OFDM 256 QAM	270@0	48.187	49.75

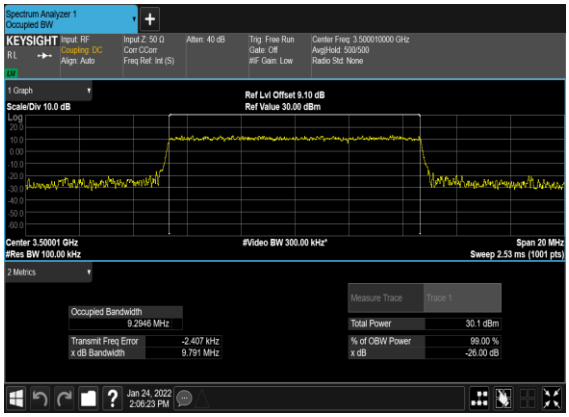
N78(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



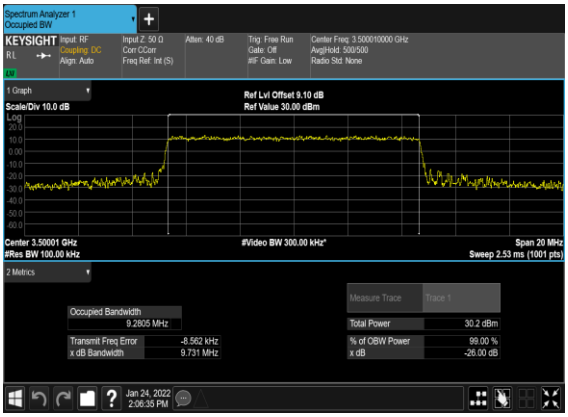
N78(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N78(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

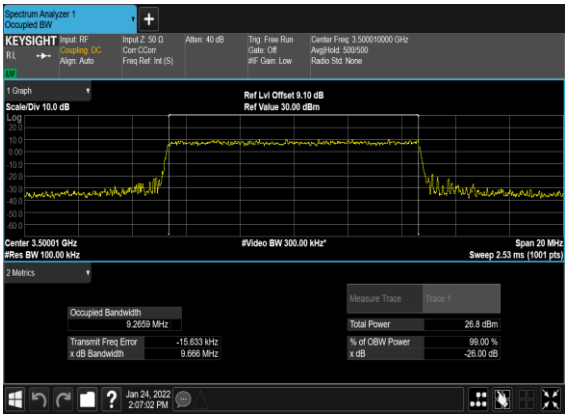


N78(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

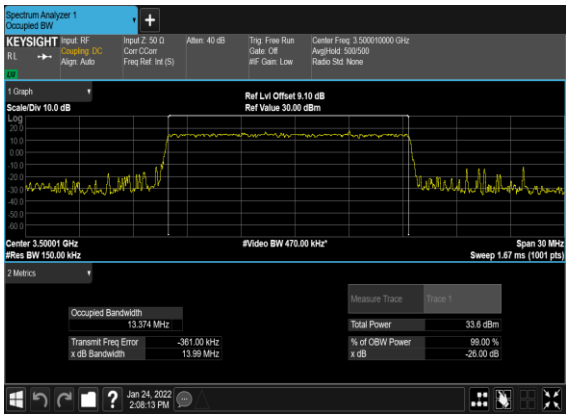


N78(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

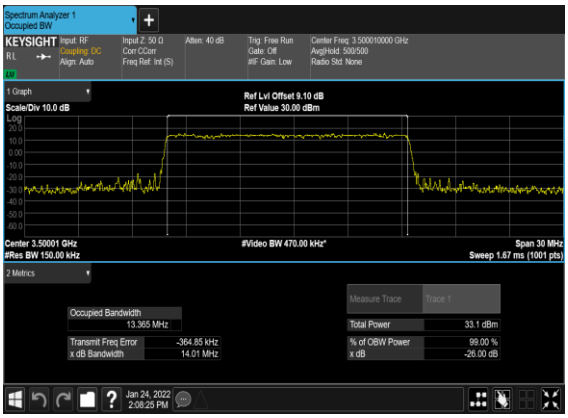
N78(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



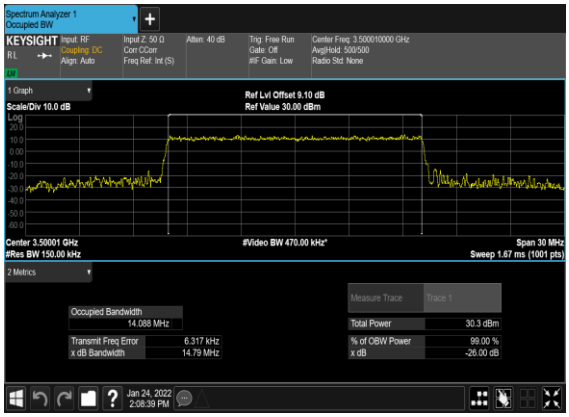
N78(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



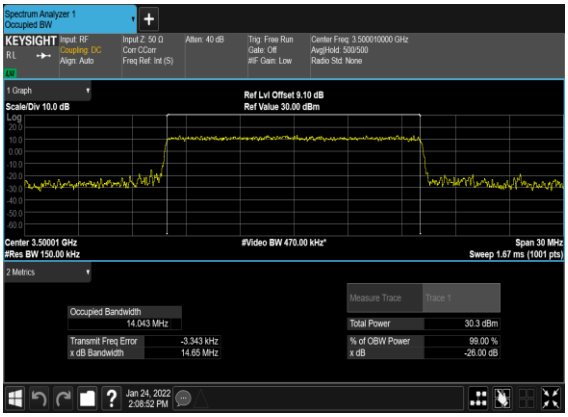
N78(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



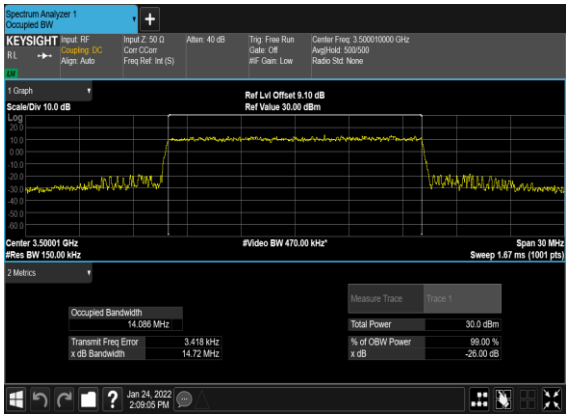
N78(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



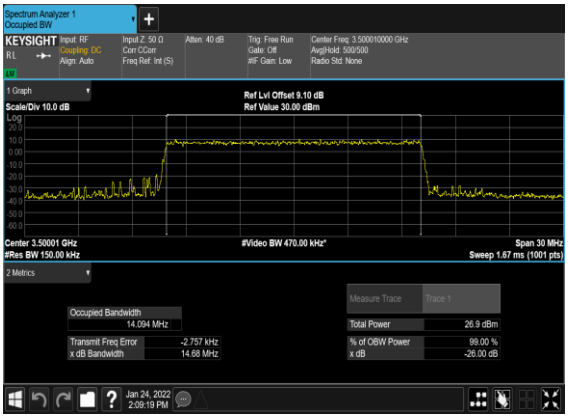
N78(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



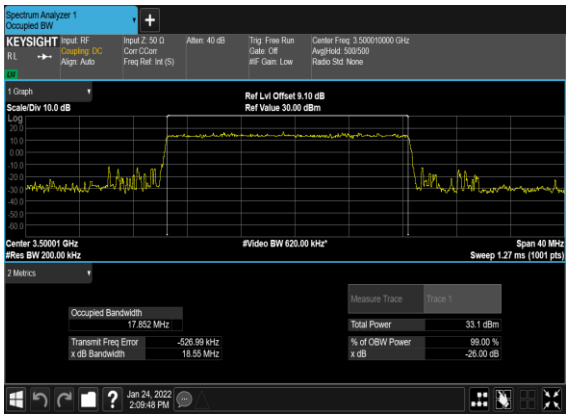
N78(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



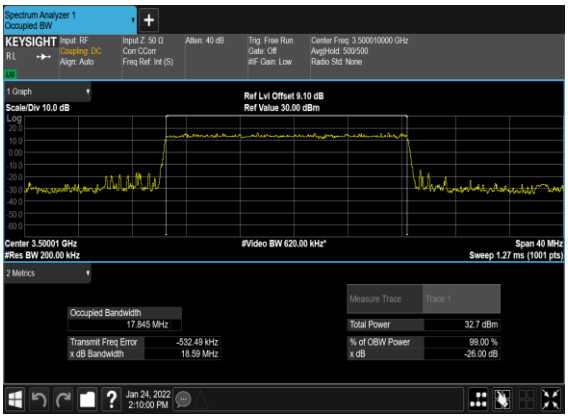
N78(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



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

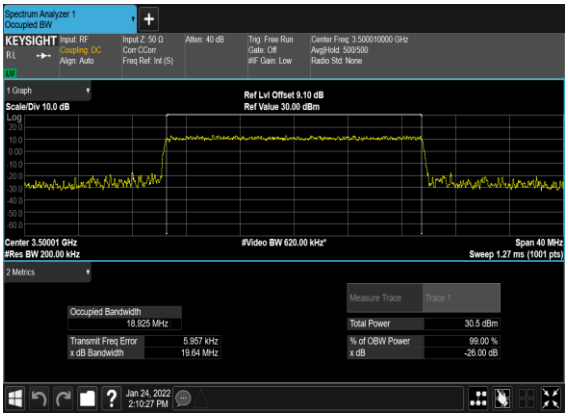


N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

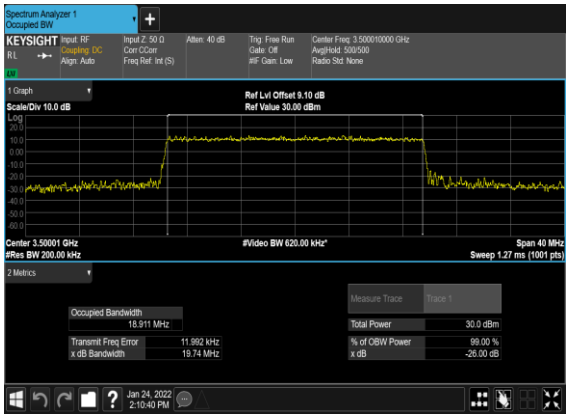


N78(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

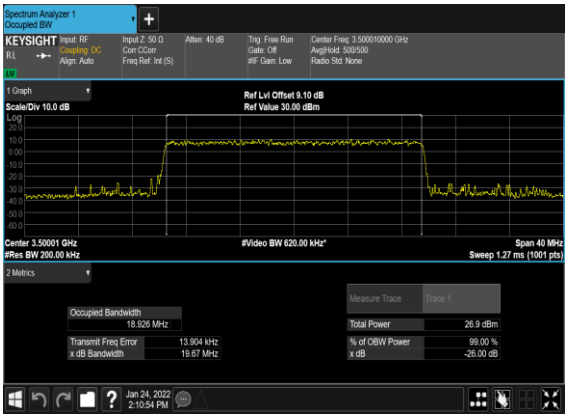
N78(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



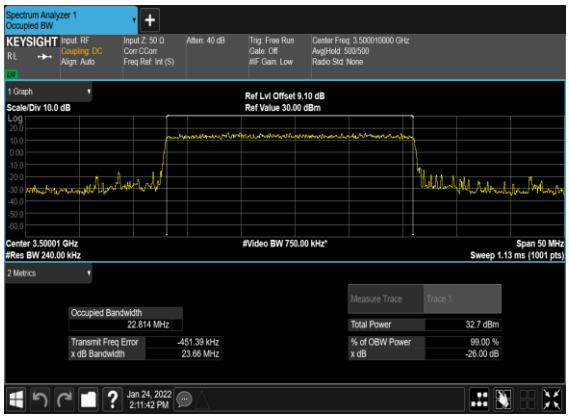
N78(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



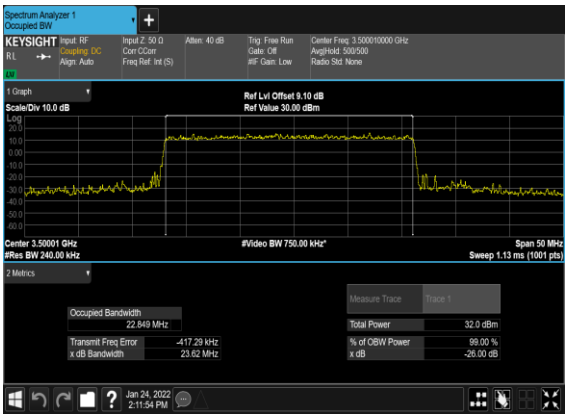
N78(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



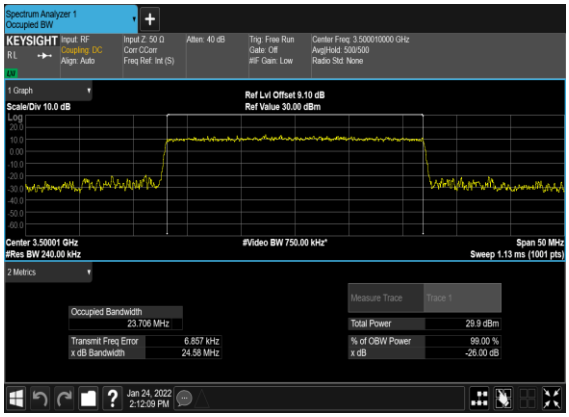
N78(25M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



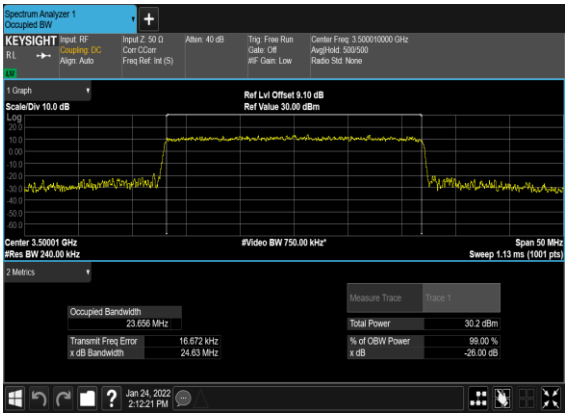
N78(25M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



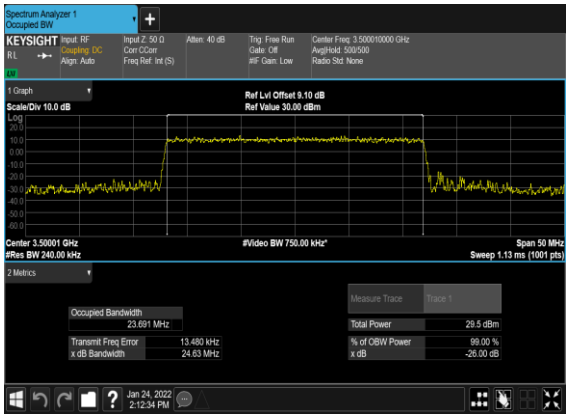
N78(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



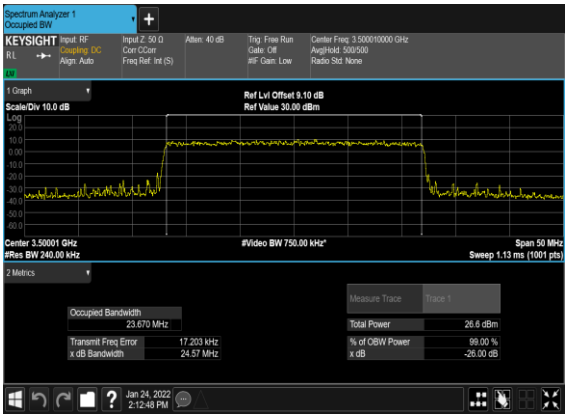
N78(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



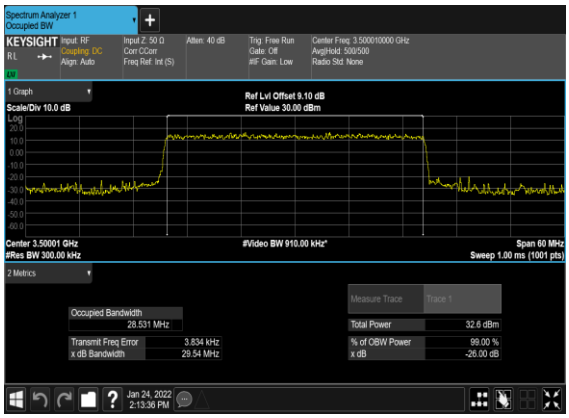
N78(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



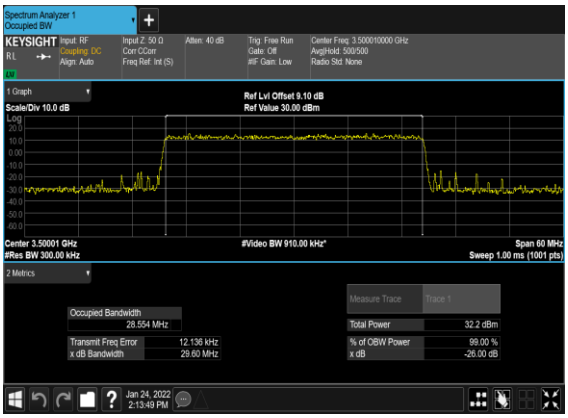
N78(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



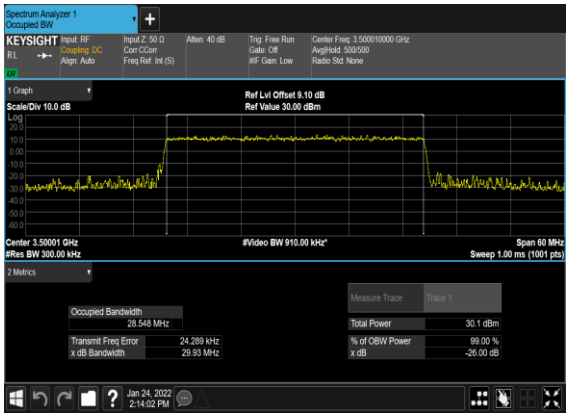
N78(30M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



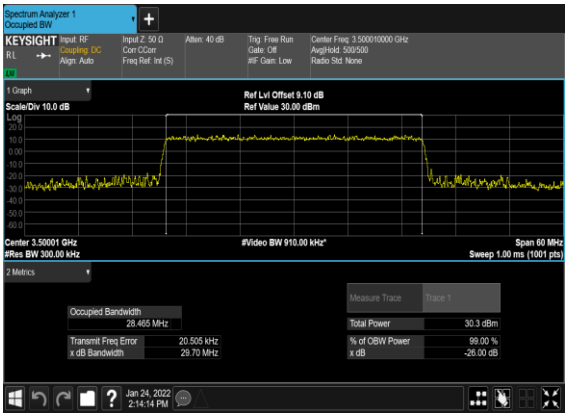
N78(30M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



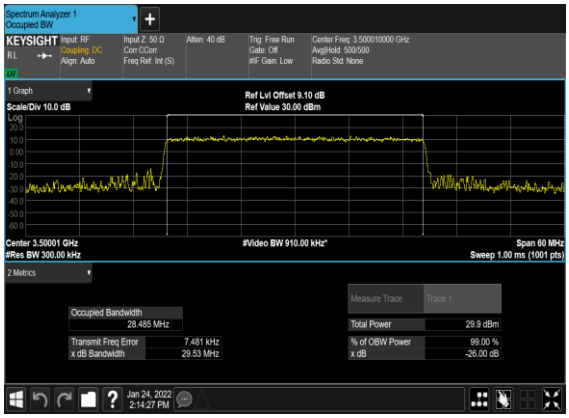
N78(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



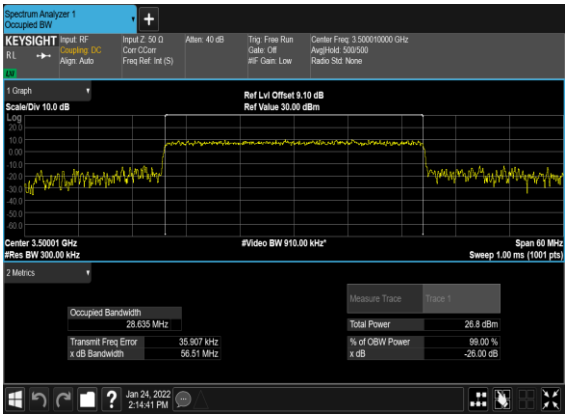
N78(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



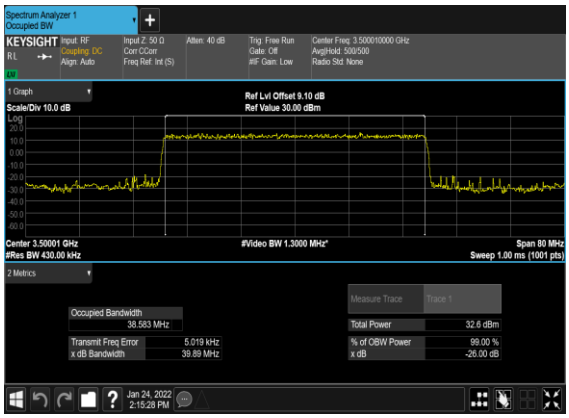
N78(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



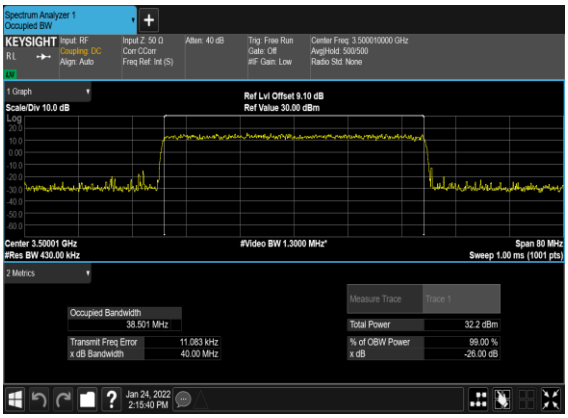
N78(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



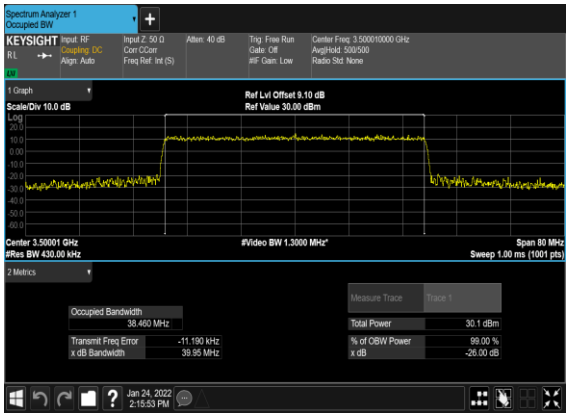
N78(40M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



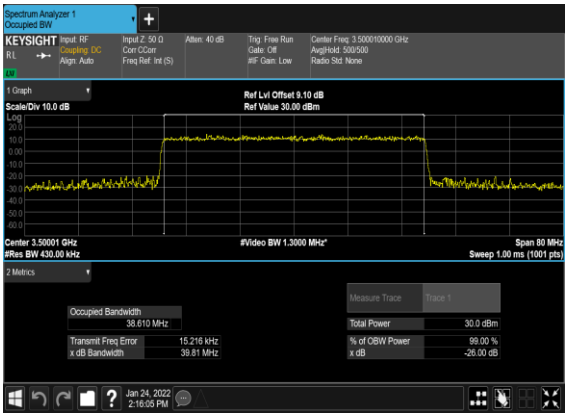
N78(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



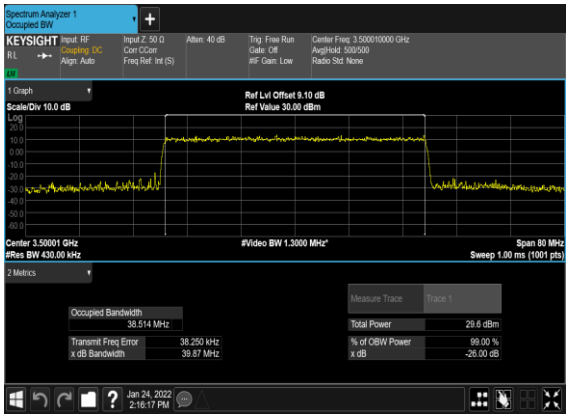
N78(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



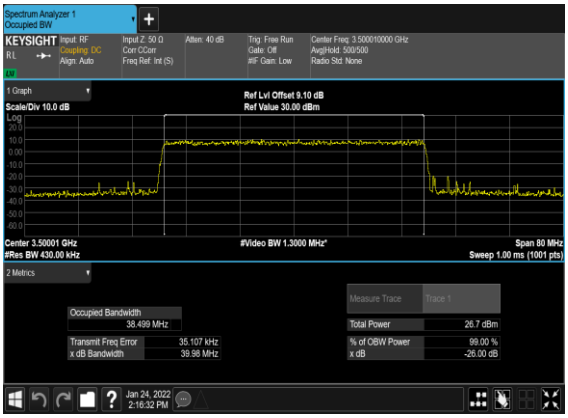
N78(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



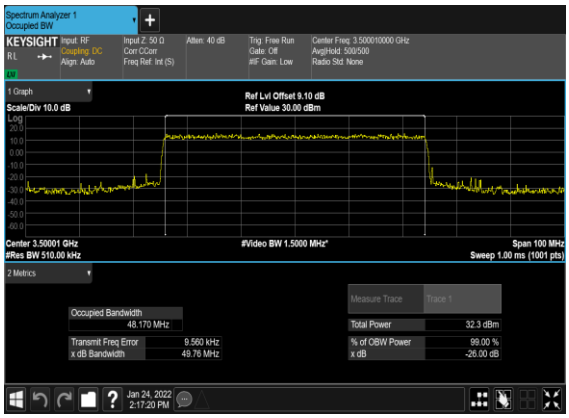
N78(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N78(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

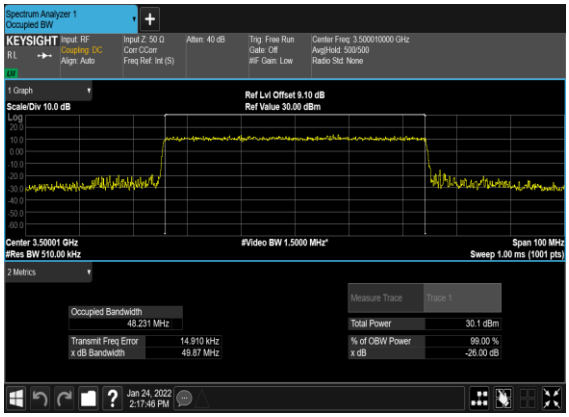


N78(50M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

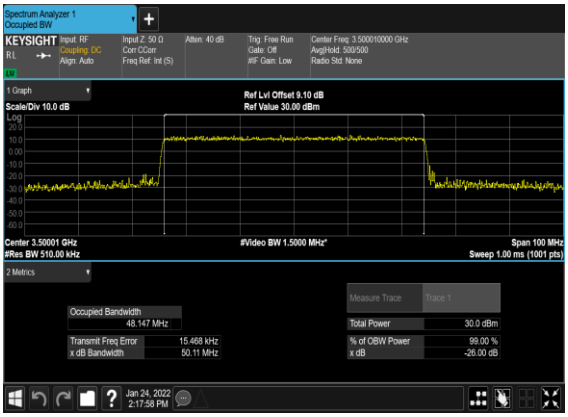


N78(50M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

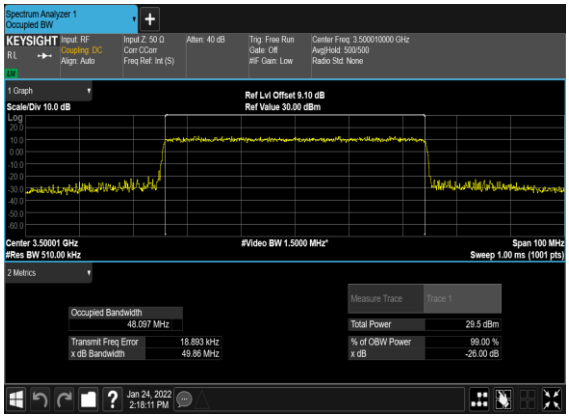
N78(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



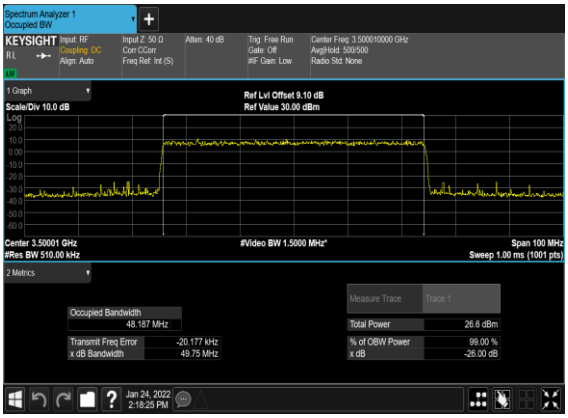
N78(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N78(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N78(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



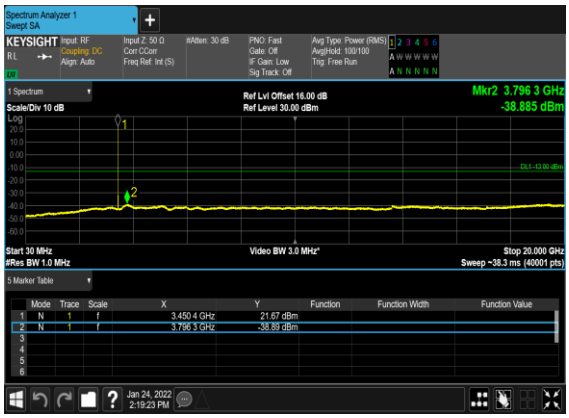
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	636333	3544.995	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	25	630834	3462.51	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	25	630834	3462.51	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	25	630834	3462.51	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	see graph	---

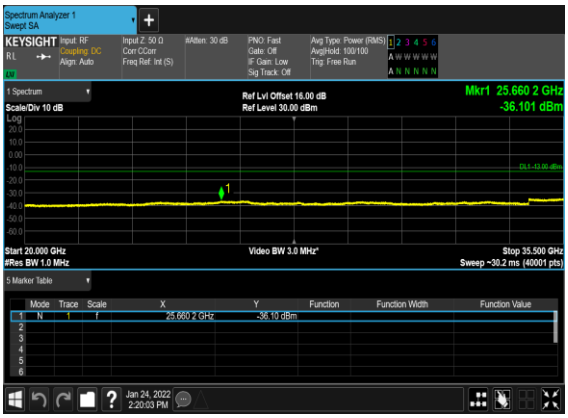
78	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	25	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	25	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	25	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	25	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	25	635833	3537.495	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	25	635833	3537.495	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	25	635833	3537.495	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	25	635833	3537.495	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	50	631667	3475.005	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---

78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	15	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

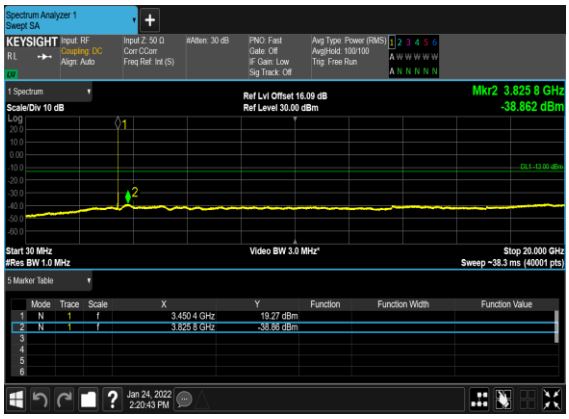
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



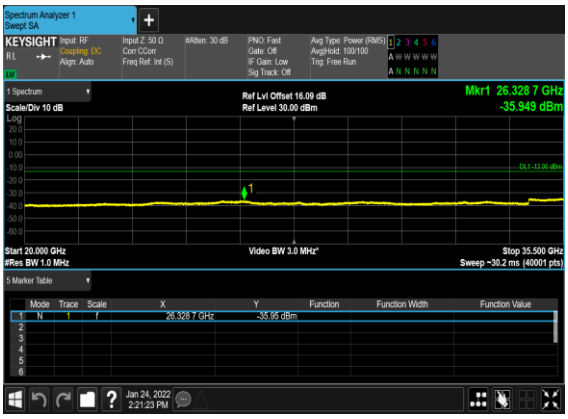
N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



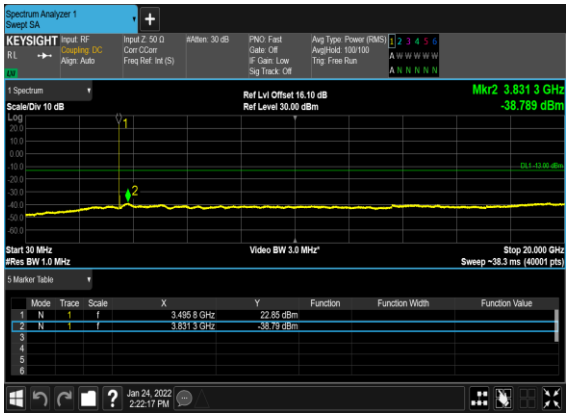
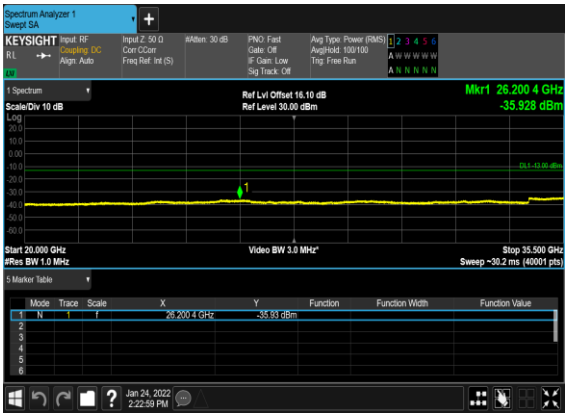
N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH