



FCC RF Test Report

APPLICANT : Xiaomi Communications Co., Ltd.
EQUIPMENT : Mobile Phone
BRAND NAME : Redmi
MODEL NAME : 22041219NY
FCC ID : 2AFZZ1219NY
STANDARD : 47 CFR Part 2, Part 27 Subpart Q
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Feb. 06, 2022 ~ Feb. 15, 2022

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

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

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

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TABLE OF CONTENTS

REVISION HISTORY..... 3
SUMMARY OF TEST RESULT 4
1 GENERAL DESCRIPTION 5
1.1 Applicant 5
1.2 Manufacturer 5
1.3 Product Feature of Equipment Under Test 5
1.4 Product Specification of Equipment Under Test 5
1.5 Modification of EUT 6
1.6 Maximum EIRP Power and Emission Designator 6
1.7 Testing Site 8
1.8 Test Software 8
1.9 Applied Standards 9
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST 10
2.1 Test Mode 10
2.2 Connection Diagram of Test System 11
2.3 Support Unit used in test configuration and system 11
2.4 Measurement Results Explanation Example 11
2.5 Frequency List of Low/Middle/High Channels 12
3 CONDUCTED TEST ITEMS 13
3.1 Measuring Instruments 13
3.2 Test Setup 13
3.3 Test Result of Conducted Test 13
3.4 Conducted Output Power Measurement 14
3.5 Peak-to-Average Ratio 15
3.6 EIRP 16
3.7 Occupied Bandwidth 17
3.8 Conducted Band Edge Measurement 18
3.9 Conducted Spurious Emission Measurement 19
3.10 Frequency Stability Measurement 20
4 RADIATED TEST ITEMS 21
4.1 Measuring Instruments 21
4.2 Test Setup 21
4.3 Test Result of Radiated Test 22
4.4 Radiated Spurious Emission Measurement 23
5 LIST OF MEASURING EQUIPMENT 24
6 UNCERTAINTY OF EVALUATION 25
APPENDIX A. TEST RESULTS OF CONDUCTED TEST
APPENDIX B. TEST RESULTS OF RADIATED TEST
APPENDIX C. TEST SETUP PHOTOGRAPHS

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	—	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 40.37 dB at 13800 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	Redmi
Model Name	22041219NY
FCC ID	2AFZZ1219NY
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 / 40MHz / 50MHz n77, n78(30kHz): 10MHz / 15MHz / 20MHz / 40MHz / 50MHz / 60MHz / 80MHz / 90MHz / 100MHz
SCS	15kHz/30kHz
Antenna Gain	Ant. 2: 5G NR n77: -2.06 dBi 5G NR n78: -2.43 dBi Ant. 3: 5G NR n77: -0.98 dBi 5G NR n78: -1.47 dBi Ant. 5: 5G NR n77: -1.49 dBi 5G NR n78: -3.35 dBi Ant. 6: 5G NR n77: -0.60 dBi 5G NR n78: -0.63 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 3.
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.
3. The device supports HPUE mode for 5G NR SA n77/n78.
4. The EN-DC mode combination: DC_41A_n77A, DC_5A_n78A, DC_7A_n78A, DC_38A_n78A, DC_41A_n78A, DC_66A_n78A, DC_2A_n78A.
5. 5G NR n78 overlaps the entire frequency range of n77, Therefore, the test results provided in this report covers n78 as well as n77.

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	0.3170	9M28G7D	0.2500	9M31W7D
15	3457.5 ~ 3542.49	0.3296	14M1G7D	0.2594	14M1W7D
20	3460.005 ~ 3540	0.3281	18M9G7D	0.2624	18M9W7D
40	3470.01 ~ 3529.995	0.3258	38M6G7D	0.2576	38M6W7D
50	3475.005 ~ 3525	0.3236	48M2G7D	0.2553	48M1W7D

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	0.3420	8M58G7D	0.2735	8M59W7D
15	3457.5 ~ 3542.49	0.3420	13M6G7D	0.2710	13M6W7D
20	3460.02 ~ 3540	0.3381	18M2G7D	0.2704	18M2W7D
40	3470.01 ~ 3529.98	0.3327	37M9G7D	0.2655	37M9W7D
50	3475.02 ~ 3525	0.3319	47M5G7D	0.2630	47M5W7D
60	3480 ~ 3519.99	0.3296	57M9G7D	0.2630	57M8W7D
80	3490.02 ~ 3510	0.3342	77M4G7D	0.2673	77M5W7D
90	3495 ~ 3504.99	0.3304	87M5G7D	0.2618	87M6W7D
100	3500.01 ~ 3500.01	0.3199	97M2G7D	0.2553	97M4W7D



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	0.3573	9M28G7D	0.2831	9M31W7D
15	3457.5 ~ 3542.49	0.3715	14M1G7D	0.2938	14M1W7D
20	3460.005 ~ 3540	0.3733	18M9G7D	0.2985	18M9W7D
40	3470.01 ~ 3529.995	0.3631	38M6G7D	0.2884	38M6W7D
50	3475.005 ~ 3525	0.3606	48M2G7D	0.2864	48M1W7D

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	0.3811	8M58G7D	0.3027	8M59W7D
15	3457.5 ~ 3542.49	0.3793	13M6G7D	0.2999	13M6W7D
20	3460.02 ~ 3540	0.3963	18M2G7D	0.3027	18M2W7D
40	3470.01 ~ 3529.98	0.3673	37M9G7D	0.2931	37M9W7D
50	3475.02 ~ 3525	0.3656	47M5G7D	0.2904	47M5W7D
60	3480 ~ 3519.99	0.3656	57M9G7D	0.2917	57M8W7D
80	3490.02 ~ 3510	0.3741	77M4G7D	0.2972	77M5W7D
90	3495 ~ 3504.99	0.3656	87M5G7D	0.2917	87M6W7D
100	3500.01 ~ 3500.01	0.3556	97M2G7D	0.2831	97M4W7D

1.7 Testing Site

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

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH02-KS	CN1257	314309

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

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

Test data subcontracted: conducted test items in section 3.4~3.10 of this report.

1.8 Test Software

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

1.9 Applied Standards

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

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

Remark:

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

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.

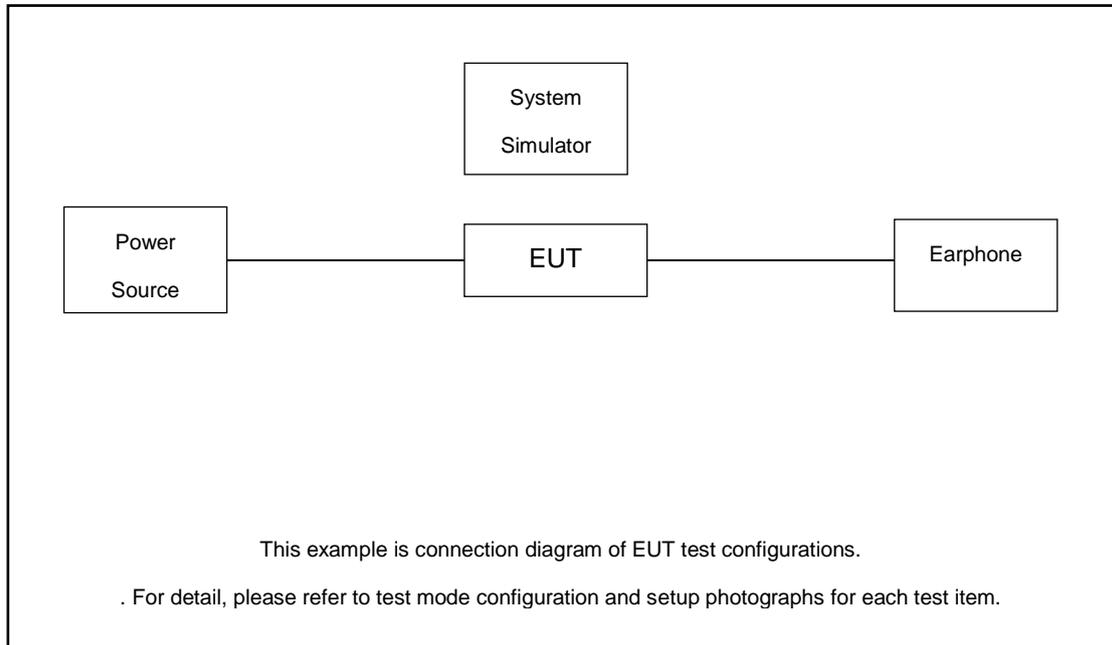
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

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 , 40MHz , 50MHz, 60MHz, 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 , 40MHz , 50MHz, 60MHz, 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 , 40MHz , 50MHz, 60MHz, 80MHz, 90MHz, 100MHz	QPSK, 16QAM	Full RB	M
Conducted Band Edge	5G n78	10M, 50M,100M	BPSK, QPSK	1RB, Full RB	L, H
Conducted Spurious Emission	5G n78	10M, 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. Frequency Stability: Normal Voltage = 3.87V ; Low Voltage =3.6V.; High Voltage =4.45V

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	DC Power Supply	GW	GPS-3030D	N/A	N/A	Unshielded, 1.8 m
2.	Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8m
3.	Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8m
4.	Earphone	MI	EM023	N/A	Unshielded, 1.25m	N/A

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

$$\text{Offset} = \text{RF cable loss} + \text{attenuator factor}.$$

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 4.2 + 10 = 14.2 \text{ (dB)} \end{aligned}$$



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
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
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
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

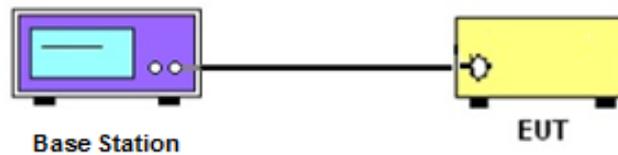
3 Conducted Test Items

3.1 Measuring Instruments

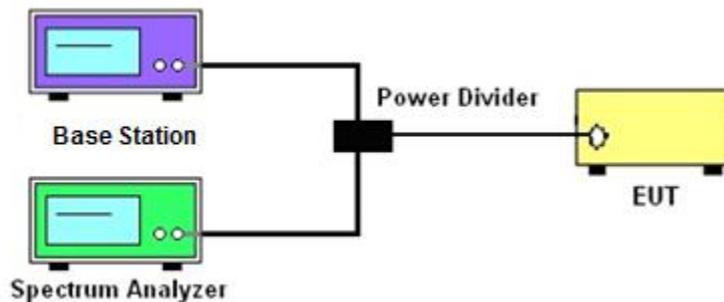
See list of measuring instruments of this test report.

3.2 Test Setup

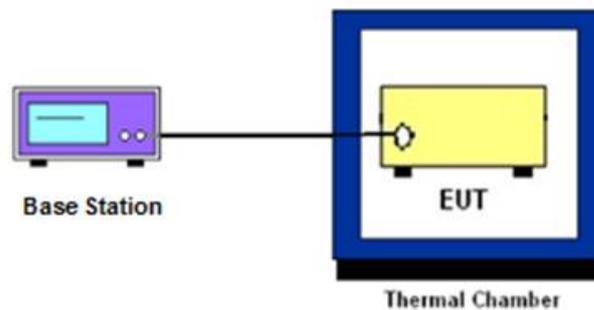
3.2.1 Conducted Output Power



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 $\geq 1\%$ 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 ≥ 500 KHz.
6. Beyond the 5 MHz removed from the band edge, set RBW = 1MHz.
7. Set spectrum analyzer with RMS detector.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. Checked that all the results comply with the emission limit line.

3.9 Conducted Spurious Emission Measurement

3.9.1 Description of Conducted Spurious Emission Measurement

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

It is measured by means of a calibrated spectrum analyzer and scanned from 9 kHz up to a frequency including its 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 $20\pm 5^{\circ}\text{C}$ and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
5. The variation in frequency was measured for the worst case.

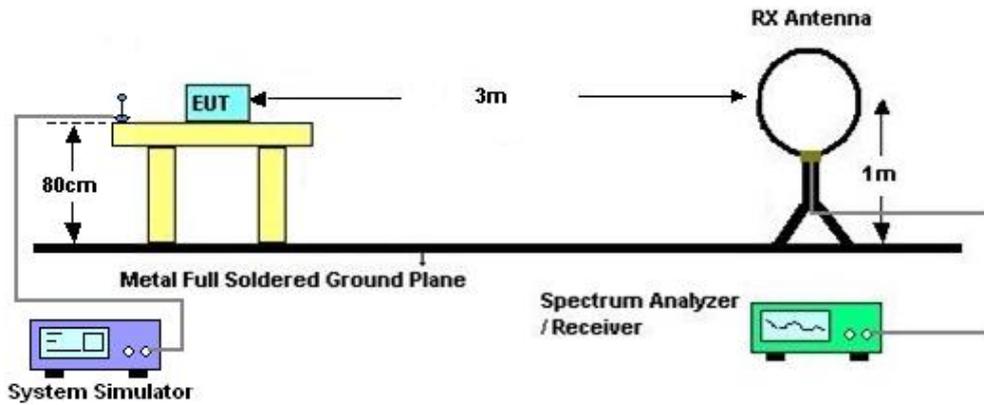
4 Radiated Test Items

4.1 Measuring Instruments

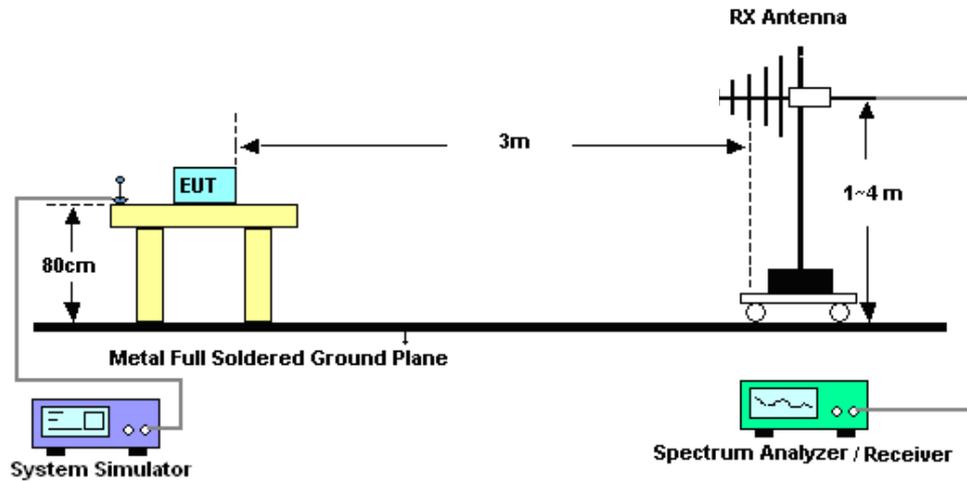
See list of measuring instruments of this test report.

4.2 Test Setup

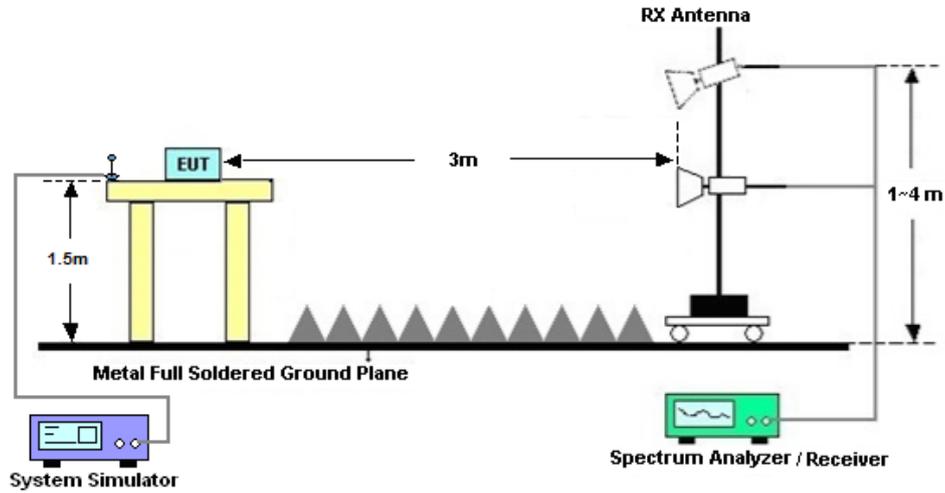
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission 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.
$$\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$$
$$\text{ERP (dBm)} = \text{EIRP} - 2.15$$
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EXA Signal Analyzer	KEYSIGHT	N9010B	MY60240803	10Hz~44GHz	Apr. 03, 2021	Feb. 06, 2022	Apr. 02, 2022	Conducted (TH01-SZ)
Power divider	STI	STI08-0055	-	0.5~40GHz	Aug. 26, 2021	Feb. 06, 2022	Aug. 25, 2022	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 14, 2021	Feb. 06, 2022	Jul. 13, 2022	Conducted (TH01-SZ)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz;Max 30dBm	Oct. 16, 2021	Feb. 15, 2022	Oct. 15, 2022	Radiation (03CH02-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz-44G,MAX 30dB	Oct. 16, 2021	Feb. 15, 2022	Oct. 15, 2022	Radiation (03CH02-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 30, 2021	Feb. 15, 2022	Oct. 29, 2022	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz-1GHz	Dec. 22, 2021	Feb. 15, 2022	Dec. 21, 2022	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Oct. 30, 2021	Feb. 15, 2022	Oct. 29, 2022	Radiation (03CH02-KS)
high gain Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P	2025788	1Ghz-18Ghz	Jul. 30, 2021	Feb. 15, 2022	Jul. 29, 2023	Radiation (03CH02-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 05, 2022	Feb. 15, 2022	Jan. 04, 2023	Radiation (03CH02-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Apr. 13, 2021	Feb. 15, 2022	Apr. 12, 2022	Radiation (03CH02-KS)
Amplifier	Keysight	83017A	MY53270316	500MHz~26.5GHz	Oct. 16, 2021	Feb. 15, 2022	Oct. 15, 2022	Radiation (03CH02-KS)
Amplifier	MITEQ	EM18G40G GA	060728	18~40GHz	Jan. 05, 2022	Feb. 15, 2022	Jan. 04, 2023	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	61601000247 3	N/A	NCR	Feb. 15, 2022	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Feb. 15, 2022	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Feb. 15, 2022	NCR	Radiation (03CH02-KS)

NCR: No Calibration Required



6 Uncertainty of Evaluation

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.5dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)

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



Appendix A. Test Results of Conducted Test

Test Engineer :	Simle Wang	Temperature :	22~23°C
		Relative Humidity :	40~42%

FR1 N77

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$) = -0.98dB

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	25.96	24.98	0.3148
77	15	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	25.84	24.86	0.3062
77	15	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@50	25.85	24.87	0.3069
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	25@12	25.99	25.01	0.3170
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	25.85	24.87	0.3069
77	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@50	25.88	24.9	0.3090
77	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	25@12	24.96	23.98	0.2500
77	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	24.89	23.91	0.2460
77	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@50	24.89	23.91	0.2460
77	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	25@12	23.51	22.53	0.1791
77	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@1	23.47	22.49	0.1774
77	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@50	23.49	22.51	0.1782
77	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	25@12	21.39	20.41	0.1099
77	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@1	21.27	20.29	0.1069
77	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@50	21.31	20.33	0.1079
77	15	10	630334	3455.01	CP-OFDM QPSK	26@13	24.43	23.45	0.2213
77	15	10	630334	3455.01	CP-OFDM QPSK	1@1	24.29	23.31	0.2143
77	15	10	630334	3455.01	CP-OFDM QPSK	1@50	24.32	23.34	0.2158
77	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	25.87	24.89	0.3083
77	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.81	24.83	0.3041
77	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@50	25.78	24.8	0.3020
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	25@12	25.88	24.9	0.3090
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.82	24.84	0.3048
77	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@50	25.79	24.81	0.3027
77	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	24.89	23.91	0.2460
77	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.96	23.98	0.2500
77	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@50	24.91	23.93	0.2472
77	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	23.39	22.41	0.1742
77	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.47	22.49	0.1774

77	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@50	23.42	22.44	0.1754
77	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	21.28	20.3	0.1072
77	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.28	20.3	0.1072
77	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@50	21.21	20.23	0.1054
77	15	10	633334	3500.01	CP-OFDM QPSK	26@13	24.36	23.38	0.2178
77	15	10	633334	3500.01	CP-OFDM QPSK	1@1	24.3	23.32	0.2148
77	15	10	633334	3500.01	CP-OFDM QPSK	1@50	24.25	23.27	0.2123
77	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	25@12	25.84	24.86	0.3062
77	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	1@1	25.75	24.77	0.2999
77	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	1@50	25.74	24.76	0.2992
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	25@12	25.86	24.88	0.3076
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@1	25.78	24.8	0.3020
77	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@50	25.78	24.8	0.3020
77	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	25@12	24.85	23.87	0.2438
77	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@1	24.8	23.82	0.2410
77	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@50	24.8	23.82	0.2410
77	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	25@12	23.39	22.41	0.1742
77	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	1@1	23.36	22.38	0.1730
77	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	1@50	23.37	22.39	0.1734
77	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	25@12	21.28	20.3	0.1072
77	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	1@1	21.27	20.29	0.1069
77	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	1@50	21.22	20.24	0.1057
77	15	10	636333	3544.995	CP-OFDM QPSK	26@13	24.33	23.35	0.2163
77	15	10	636333	3544.995	CP-OFDM QPSK	1@1	24.22	23.24	0.2109
77	15	10	636333	3544.995	CP-OFDM QPSK	1@50	24.2	23.22	0.2099
77	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	36@18	26.14	25.16	0.3281
77	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	25.99	25.01	0.3170
77	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@77	25.99	25.01	0.3170
77	15	15	630500	3457.5	DFT-s-OFDM QPSK	36@18	26.16	25.18	0.3296
77	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	26.01	25.03	0.3184
77	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@77	26	25.02	0.3177
77	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	36@18	25.12	24.14	0.2594
77	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	25.11	24.13	0.2588
77	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@77	25.12	24.14	0.2594

77	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	36@18	23.56	22.58	0.1811
77	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@1	23.66	22.68	0.1854
77	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@77	23.65	22.67	0.1849
77	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	36@18	21.62	20.64	0.1159
77	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@1	21.48	20.5	0.1122
77	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@77	21.45	20.47	0.1114
77	15	15	630500	3457.5	CP-OFDM QPSK	39@19	24.61	23.63	0.2307
77	15	15	630500	3457.5	CP-OFDM QPSK	1@1	24.48	23.5	0.2239
77	15	15	630500	3457.5	CP-OFDM QPSK	1@77	24.51	23.53	0.2254
77	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	26.02	25.04	0.3192
77	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.96	24.98	0.3148
77	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@77	25.86	24.88	0.3076
77	15	15	633334	3500.01	DFT-s-OFDM QPSK	36@18	26.05	25.07	0.3214
77	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.93	24.95	0.3126
77	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@77	25.89	24.91	0.3097
77	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	25.02	24.04	0.2535
77	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.09	24.11	0.2576
77	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@77	25	24.02	0.2523
77	15	15	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	23.47	22.49	0.1774
77	15	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.58	22.6	0.1820
77	15	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@77	23.51	22.53	0.1791
77	15	15	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	21.55	20.57	0.1140
77	15	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.38	20.4	0.1096
77	15	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@77	21.27	20.29	0.1069
77	15	15	633334	3500.01	CP-OFDM QPSK	39@19	24.51	23.53	0.2254
77	15	15	633334	3500.01	CP-OFDM QPSK	1@1	24.44	23.46	0.2218
77	15	15	633334	3500.01	CP-OFDM QPSK	1@77	24.38	23.4	0.2188
77	15	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	36@18	25.99	25.01	0.3170
77	15	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@1	25.89	24.91	0.3097
77	15	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@77	25.85	24.87	0.3069
77	15	15	636166	3542.49	DFT-s-OFDM QPSK	36@18	26.02	25.04	0.3192
77	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	25.92	24.94	0.3119
77	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@77	25.87	24.89	0.3083
77	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	36@18	25	24.02	0.2523

77	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	25.05	24.07	0.2553
77	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@77	25.01	24.03	0.2529
77	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	36@18	23.43	22.45	0.1758
77	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@1	23.53	22.55	0.1799
77	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@77	23.51	22.53	0.1791
77	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	36@18	21.47	20.49	0.1119
77	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@1	21.35	20.37	0.1089
77	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@77	21.35	20.37	0.1089
77	15	15	636166	3542.49	CP-OFDM QPSK	39@19	24.5	23.52	0.2249
77	15	15	636166	3542.49	CP-OFDM QPSK	1@1	24.35	23.37	0.2173
77	15	15	636166	3542.49	CP-OFDM QPSK	1@77	24.33	23.35	0.2163
77	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	50@25	26.12	25.14	0.3266
77	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	1@1	25.94	24.96	0.3133
77	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	1@104	25.94	24.96	0.3133
77	15	20	630667	3460.005	DFT-s-OFDM QPSK	50@25	26.14	25.16	0.3281
77	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@1	26	25.02	0.3177
77	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@104	25.98	25	0.3162
77	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	50@25	25.17	24.19	0.2624
77	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@1	25.02	24.04	0.2535
77	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@104	25	24.02	0.2523
77	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	50@25	23.61	22.63	0.1832
77	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	1@1	23.6	22.62	0.1828
77	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	1@104	23.59	22.61	0.1824
77	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	50@25	21.52	20.54	0.1132
77	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	1@1	21.47	20.49	0.1119
77	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	1@104	21.38	20.4	0.1096
77	15	20	630667	3460.005	CP-OFDM QPSK	53@26	24.58	23.6	0.2291
77	15	20	630667	3460.005	CP-OFDM QPSK	1@1	24.46	23.48	0.2228
77	15	20	630667	3460.005	CP-OFDM QPSK	1@104	24.43	23.45	0.2213
77	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	26.03	25.05	0.3199
77	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.9	24.92	0.3105
77	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	25.77	24.79	0.3013
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	50@25	26.05	25.07	0.3214
77	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.91	24.93	0.3112

77	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@104	25.82	24.84	0.3048
77	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	25.06	24.08	0.2559
77	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.95	23.97	0.2495
77	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	24.84	23.86	0.2432
77	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	23.5	22.52	0.1786
77	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.51	22.53	0.1791
77	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	23.41	22.43	0.1750
77	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	21.43	20.45	0.1109
77	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.37	20.39	0.1094
77	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	21.25	20.27	0.1064
77	15	20	633334	3500.01	CP-OFDM QPSK	53@26	24.48	23.5	0.2239
77	15	20	633334	3500.01	CP-OFDM QPSK	1@1	24.36	23.38	0.2178
77	15	20	633334	3500.01	CP-OFDM QPSK	1@104	24.24	23.26	0.2118
77	15	20	636000	3540	DFT-s-OFDM PI/2 BPSK	50@25	26.02	25.04	0.3192
77	15	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	25.87	24.89	0.3083
77	15	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@104	25.79	24.81	0.3027
77	15	20	636000	3540	DFT-s-OFDM QPSK	50@25	26.04	25.06	0.3206
77	15	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.91	24.93	0.3112
77	15	20	636000	3540	DFT-s-OFDM QPSK	1@104	25.82	24.84	0.3048
77	15	20	636000	3540	DFT-s-OFDM 16 QAM	50@25	25.05	24.07	0.2553
77	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	24.93	23.95	0.2483
77	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@104	24.88	23.9	0.2455
77	15	20	636000	3540	DFT-s-OFDM 64 QAM	50@25	23.49	22.51	0.1782
77	15	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	23.52	22.54	0.1795
77	15	20	636000	3540	DFT-s-OFDM 64 QAM	1@104	23.43	22.45	0.1758
77	15	20	636000	3540	DFT-s-OFDM 256 QAM	50@25	21.44	20.46	0.1112
77	15	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	21.36	20.38	0.1091
77	15	20	636000	3540	DFT-s-OFDM 256 QAM	1@104	21.3	20.32	0.1076
77	15	20	636000	3540	CP-OFDM QPSK	53@26	24.47	23.49	0.2234
77	15	20	636000	3540	CP-OFDM QPSK	1@1	24.34	23.36	0.2168
77	15	20	636000	3540	CP-OFDM QPSK	1@104	24.26	23.28	0.2128
77	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	108@54	26.08	25.1	0.3236
77	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	25.46	24.48	0.2805
77	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@214	25.3	24.32	0.2704

77	15	40	631334	3470.01	DFT-s-OFDM QPSK	108@54	26.11	25.13	0.3258
77	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.49	24.51	0.2825
77	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@214	25.36	24.38	0.2742
77	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	108@54	25.09	24.11	0.2576
77	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.53	23.55	0.2265
77	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@214	24.39	23.41	0.2193
77	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	108@54	23.61	22.63	0.1832
77	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	23.1	22.12	0.1629
77	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@214	22.96	21.98	0.1578
77	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	108@54	21.59	20.61	0.1151
77	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	20.96	19.98	0.0995
77	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@214	20.8	19.82	0.0959
77	15	40	631334	3470.01	CP-OFDM QPSK	108@54	24.54	23.56	0.2270
77	15	40	631334	3470.01	CP-OFDM QPSK	1@1	23.93	22.95	0.1972
77	15	40	631334	3470.01	CP-OFDM QPSK	1@214	23.75	22.77	0.1892
77	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	25.96	24.98	0.3148
77	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.51	24.53	0.2838
77	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@214	25.25	24.27	0.2673
77	15	40	633334	3500.01	DFT-s-OFDM QPSK	108@54	26	25.02	0.3177
77	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.55	24.57	0.2864
77	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@214	25.26	24.28	0.2679
77	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	24.99	24.01	0.2518
77	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.59	23.61	0.2296
77	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@214	24.31	23.33	0.2153
77	15	40	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	23.5	22.52	0.1786
77	15	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.15	22.17	0.1648
77	15	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@214	22.88	21.9	0.1549
77	15	40	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	21.47	20.49	0.1119
77	15	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21	20.02	0.1005
77	15	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@214	20.73	19.75	0.0944
77	15	40	633334	3500.01	CP-OFDM QPSK	108@54	24.43	23.45	0.2213
77	15	40	633334	3500.01	CP-OFDM QPSK	1@1	24	23.02	0.2004
77	15	40	633334	3500.01	CP-OFDM QPSK	1@214	23.69	22.71	0.1866
77	15	40	635333	3529.995	DFT-s-OFDM PI/2 BPSK	108@54	25.92	24.94	0.3119

77	15	40	635333	3529.995	DFT-s-OFDM PI/2 BPSK	1@1	25.39	24.41	0.2761
77	15	40	635333	3529.995	DFT-s-OFDM PI/2 BPSK	1@214	25.25	24.27	0.2673
77	15	40	635333	3529.995	DFT-s-OFDM QPSK	108@54	25.95	24.97	0.3141
77	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@1	25.42	24.44	0.2780
77	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@214	25.3	24.32	0.2704
77	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	108@54	24.94	23.96	0.2489
77	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@1	24.47	23.49	0.2234
77	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@214	24.32	23.34	0.2158
77	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	108@54	23.44	22.46	0.1762
77	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	1@1	23.02	22.04	0.1600
77	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	1@214	22.89	21.91	0.1552
77	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	108@54	21.41	20.43	0.1104
77	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	1@1	20.87	19.89	0.0975
77	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	1@214	20.7	19.72	0.0938
77	15	40	635333	3529.995	CP-OFDM QPSK	108@54	24.39	23.41	0.2193
77	15	40	635333	3529.995	CP-OFDM QPSK	1@1	23.94	22.96	0.1977
77	15	40	635333	3529.995	CP-OFDM QPSK	1@214	23.77	22.79	0.1901
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	135@67	26.05	25.07	0.3214
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@1	25.79	24.81	0.3027
77	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@268	25.58	24.6	0.2884
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	135@67	26.08	25.1	0.3236
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@1	25.8	24.82	0.3034
77	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@268	25.6	24.62	0.2897
77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	135@67	25.05	24.07	0.2553
77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@1	24.95	23.97	0.2495
77	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@268	24.72	23.74	0.2366
77	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	135@67	23.56	22.58	0.1811
77	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@1	23.47	22.49	0.1774
77	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@268	23.27	22.29	0.1694
77	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	135@67	21.52	20.54	0.1132
77	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@1	21.29	20.31	0.1074
77	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@268	21.1	20.12	0.1028
77	15	50	631667	3475.005	CP-OFDM QPSK	135@67	24.53	23.55	0.2265
77	15	50	631667	3475.005	CP-OFDM QPSK	1@1	24.31	23.33	0.2153

77	15	50	631667	3475.005	CP-OFDM QPSK	1@268	24.17	23.19	0.2084
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.95	24.97	0.3141
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.87	24.89	0.3083
77	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@268	25.56	24.58	0.2871
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.97	24.99	0.3155
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.87	24.89	0.3083
77	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@268	25.54	24.56	0.2858
77	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.97	23.99	0.2506
77	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.01	24.03	0.2529
77	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@268	24.69	23.71	0.2350
77	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.48	22.5	0.1778
77	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.56	22.58	0.1811
77	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@268	23.21	22.23	0.1671
77	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.45	20.47	0.1114
77	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.4	20.42	0.1102
77	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@268	21.06	20.08	0.1019
77	15	50	633334	3500.01	CP-OFDM QPSK	135@67	24.46	23.48	0.2228
77	15	50	633334	3500.01	CP-OFDM QPSK	1@1	24.36	23.38	0.2178
77	15	50	633334	3500.01	CP-OFDM QPSK	1@268	24.07	23.09	0.2037
77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	135@67	25.91	24.93	0.3112
77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	25.72	24.74	0.2979
77	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@268	25.54	24.56	0.2858
77	15	50	635000	3525	DFT-s-OFDM QPSK	135@67	25.93	24.95	0.3126
77	15	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.75	24.77	0.2999
77	15	50	635000	3525	DFT-s-OFDM QPSK	1@268	25.59	24.61	0.2891
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	135@67	24.91	23.93	0.2472
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.78	23.8	0.2399
77	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@268	24.62	23.64	0.2312
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	135@67	23.42	22.44	0.1754
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	23.34	22.36	0.1722
77	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@268	23.18	22.2	0.1660
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	135@67	21.38	20.4	0.1096
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	21.27	20.29	0.1069
77	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@268	21.04	20.06	0.1014

77	15	50	635000	3525	CP-OFDM QPSK	135@67	24.41	23.43	0.2203
77	15	50	635000	3525	CP-OFDM QPSK	1@1	24.21	23.23	0.2104
77	15	50	635000	3525	CP-OFDM QPSK	1@268	24.11	23.13	0.2056

FR1 N77

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$) = -0.98dB

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	26.3	25.32	0.3404
77	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	26.2	25.22	0.3327
77	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@22	26.19	25.21	0.3319
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	12@6	26.31	25.33	0.3412
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	26.27	25.29	0.3381
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@22	26.32	25.34	0.3420
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	12@6	25.35	24.37	0.2735
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	25.16	24.18	0.2618
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@22	25.3	24.32	0.2704
77	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	12@6	23.76	22.78	0.1897
77	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@1	23.65	22.67	0.1849
77	30	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@22	23.59	22.61	0.1824
77	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	12@6	21.78	20.8	0.1202
77	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@1	21.97	20.99	0.1256
77	30	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@22	21.87	20.89	0.1227
77	30	10	630334	3455.01	CP-OFDM QPSK	12@6	24.77	23.79	0.2393
77	30	10	630334	3455.01	CP-OFDM QPSK	1@1	24.58	23.6	0.2291
77	30	10	630334	3455.01	CP-OFDM QPSK	1@22	24.71	23.73	0.2360
77	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	12@6	26.14	25.16	0.3281
77	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.06	25.08	0.3221
77	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@22	26.05	25.07	0.3214
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	12@6	26.15	25.17	0.3289
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.11	25.13	0.3258
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@22	26.03	25.05	0.3199
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	12@6	25.2	24.22	0.2642
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.22	24.24	0.2655
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@22	25.11	24.13	0.2588
77	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	12@6	23.51	22.53	0.1791
77	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.34	22.36	0.1722

77	30	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@22	23.38	22.4	0.1738
77	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	12@6	21.6	20.62	0.1153
77	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.85	20.87	0.1222
77	30	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@22	21.57	20.59	0.1146
77	30	10	633334	3500.01	CP-OFDM QPSK	12@6	24.67	23.69	0.2339
77	30	10	633334	3500.01	CP-OFDM QPSK	1@1	24.56	23.58	0.2280
77	30	10	633334	3500.01	CP-OFDM QPSK	1@22	24.42	23.44	0.2208
77	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	12@6	26.13	25.15	0.3273
77	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@1	26.09	25.11	0.3243
77	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@22	26.03	25.05	0.3199
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	12@6	26.16	25.18	0.3296
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	26.02	25.04	0.3192
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@22	26.03	25.05	0.3199
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	12@6	25.12	24.14	0.2594
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	25.04	24.06	0.2547
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@22	25.04	24.06	0.2547
77	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	12@6	23.61	22.63	0.1832
77	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	1@1	23.46	22.48	0.1770
77	30	10	636332	3544.98	DFT-s-OFDM 64 QAM	1@22	23.29	22.31	0.1702
77	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	12@6	21.56	20.58	0.1143
77	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	1@1	21.73	20.75	0.1189
77	30	10	636332	3544.98	DFT-s-OFDM 256 QAM	1@22	21.5	20.52	0.1127
77	30	10	636332	3544.98	CP-OFDM QPSK	12@6	24.62	23.64	0.2312
77	30	10	636332	3544.98	CP-OFDM QPSK	1@1	24.63	23.65	0.2317
77	30	10	636332	3544.98	CP-OFDM QPSK	1@22	24.53	23.55	0.2265
77	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	18@9	26.26	25.28	0.3373
77	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	26.22	25.24	0.3342
77	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@36	26.14	25.16	0.3281
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	18@9	26.32	25.34	0.3420
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	26.12	25.14	0.3266
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@36	26.22	25.24	0.3342
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	18@9	25.31	24.33	0.2710
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	25.26	24.28	0.2679
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@36	25.2	24.22	0.2642

77	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	18@9	23.77	22.79	0.1901
77	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@1	23.57	22.59	0.1816
77	30	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@36	23.5	22.52	0.1786
77	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	18@9	21.77	20.79	0.1199
77	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@1	21.86	20.88	0.1225
77	30	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@36	21.57	20.59	0.1146
77	30	15	630500	3457.5	CP-OFDM QPSK	19@9	24.8	23.82	0.2410
77	30	15	630500	3457.5	CP-OFDM QPSK	1@1	24.63	23.65	0.2317
77	30	15	630500	3457.5	CP-OFDM QPSK	1@36	24.54	23.56	0.2270
77	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	18@9	26.12	25.14	0.3266
77	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.07	25.09	0.3228
77	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@36	26	25.02	0.3177
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	18@9	26.1	25.12	0.3251
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.97	24.99	0.3155
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@36	26.13	25.15	0.3273
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	18@9	25.13	24.15	0.2600
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.04	24.06	0.2547
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@36	24.99	24.01	0.2518
77	30	15	633334	3500.01	DFT-s-OFDM 64 QAM	18@9	23.62	22.64	0.1837
77	30	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.4	22.42	0.1746
77	30	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@36	23.41	22.43	0.1750
77	30	15	633334	3500.01	DFT-s-OFDM 256 QAM	18@9	21.59	20.61	0.1151
77	30	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.64	20.66	0.1164
77	30	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@36	21.73	20.75	0.1189
77	30	15	633334	3500.01	CP-OFDM QPSK	19@9	24.62	23.64	0.2312
77	30	15	633334	3500.01	CP-OFDM QPSK	1@1	24.51	23.53	0.2254
77	30	15	633334	3500.01	CP-OFDM QPSK	1@36	24.49	23.51	0.2244
77	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	18@9	26.09	25.11	0.3243
77	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@1	26.02	25.04	0.3192
77	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@36	25.96	24.98	0.3148
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	18@9	26.09	25.11	0.3243
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	26.11	25.13	0.3258
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@36	26.08	25.1	0.3236
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	18@9	25.18	24.2	0.2630

77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	25.01	24.03	0.2529
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@36	24.94	23.96	0.2489
77	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	18@9	23.6	22.62	0.1828
77	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@1	23.38	22.4	0.1738
77	30	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@36	23.29	22.31	0.1702
77	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	18@9	21.58	20.6	0.1148
77	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@1	21.8	20.82	0.1208
77	30	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@36	21.56	20.58	0.1143
77	30	15	636166	3542.49	CP-OFDM QPSK	19@9	24.57	23.59	0.2286
77	30	15	636166	3542.49	CP-OFDM QPSK	1@1	24.45	23.47	0.2223
77	30	15	636166	3542.49	CP-OFDM QPSK	1@36	24.43	23.45	0.2213
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	25@12	26.24	25.26	0.3357
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	26.12	25.14	0.3266
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	26.06	25.08	0.3221
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	26.27	25.29	0.3381
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	26.21	25.23	0.3334
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	26.05	25.07	0.3214
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	25.3	24.32	0.2704
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	25.15	24.17	0.2612
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	25.11	24.13	0.2588
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	23.82	22.84	0.1923
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	23.55	22.57	0.1807
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	23.44	22.46	0.1762
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	21.79	20.81	0.1205
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	21.71	20.73	0.1183
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	21.78	20.8	0.1202
77	30	20	630668	3460.02	CP-OFDM QPSK	25@12	24.76	23.78	0.2388
77	30	20	630668	3460.02	CP-OFDM QPSK	1@1	24.67	23.69	0.2339
77	30	20	630668	3460.02	CP-OFDM QPSK	1@49	24.63	23.65	0.2317
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	26.11	25.13	0.3258
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.01	25.03	0.3184
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	25.9	24.92	0.3105
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	26.15	25.17	0.3289
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.95	24.97	0.3141

77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	25.96	24.98	0.3148
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	25.14	24.16	0.2606
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.16	24.18	0.2618
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	25.01	24.03	0.2529
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	23.69	22.71	0.1866
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.39	22.41	0.1742
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	23.38	22.4	0.1738
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	21.58	20.6	0.1148
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.56	20.58	0.1143
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	21.41	20.43	0.1104
77	30	20	633334	3500.01	CP-OFDM QPSK	25@12	24.62	23.64	0.2312
77	30	20	633334	3500.01	CP-OFDM QPSK	1@1	24.37	23.39	0.2183
77	30	20	633334	3500.01	CP-OFDM QPSK	1@49	24.39	23.41	0.2193
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	25@12	26.09	25.11	0.3243
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	25.97	24.99	0.3155
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@49	25.81	24.83	0.3041
77	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	26.1	25.12	0.3251
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.94	24.96	0.3133
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	25.82	24.84	0.3048
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	25@12	25.18	24.2	0.2630
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	24.94	23.96	0.2489
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@49	25	24.02	0.2523
77	30	20	636000	3540	DFT-s-OFDM 64 QAM	25@12	23.63	22.65	0.1841
77	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	23.09	22.11	0.1626
77	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@49	23.21	22.23	0.1671
77	30	20	636000	3540	DFT-s-OFDM 256 QAM	25@12	21.58	20.6	0.1148
77	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	21.49	20.51	0.1125
77	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@49	21.62	20.64	0.1159
77	30	20	636000	3540	CP-OFDM QPSK	25@12	24.59	23.61	0.2296
77	30	20	636000	3540	CP-OFDM QPSK	1@1	24.49	23.51	0.2244
77	30	20	636000	3540	CP-OFDM QPSK	1@49	24.38	23.4	0.2188
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	26.2	25.22	0.3327
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	25.74	24.76	0.2992
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	25.55	24.57	0.2864

77	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	26.2	25.22	0.3327
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.79	24.81	0.3027
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	25.45	24.47	0.2799
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	25.22	24.24	0.2655
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.73	23.75	0.2371
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	24.63	23.65	0.2317
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	23.68	22.7	0.1862
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	23.17	22.19	0.1656
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	22.9	21.92	0.1556
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	21.66	20.68	0.1169
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	21.47	20.49	0.1119
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	21.3	20.32	0.1076
77	30	40	631334	3470.01	CP-OFDM QPSK	53@26	24.65	23.67	0.2328
77	30	40	631334	3470.01	CP-OFDM QPSK	1@1	24.17	23.19	0.2084
77	30	40	631334	3470.01	CP-OFDM QPSK	1@104	24.08	23.1	0.2042
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	26.04	25.06	0.3206
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.7	24.72	0.2965
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	25.45	24.47	0.2799
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	26.09	25.11	0.3243
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.65	24.67	0.2931
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	25.38	24.4	0.2754
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	25.1	24.12	0.2582
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.69	23.71	0.2350
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	24.45	23.47	0.2223
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	23.57	22.59	0.1816
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.11	22.13	0.1633
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	22.82	21.84	0.1528
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	21.56	20.58	0.1143
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.53	20.55	0.1135
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	21.26	20.28	0.1067
77	30	40	633334	3500.01	CP-OFDM QPSK	53@26	24.53	23.55	0.2265
77	30	40	633334	3500.01	CP-OFDM QPSK	1@1	24.2	23.22	0.2099
77	30	40	633334	3500.01	CP-OFDM QPSK	1@104	23.98	23	0.1995
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	26.02	25.04	0.3192

77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	25.64	24.66	0.2924
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	25.38	24.4	0.2754
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	26.03	25.05	0.3199
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	25.57	24.59	0.2877
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	25.39	24.41	0.2761
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	25.05	24.07	0.2553
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	24.58	23.6	0.2291
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	24.44	23.46	0.2218
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	23.55	22.57	0.1807
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	23.04	22.06	0.1607
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	22.76	21.78	0.1507
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	21.47	20.49	0.1119
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	21.1	20.12	0.1028
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	21.12	20.14	0.1033
77	30	40	635332	3529.98	CP-OFDM QPSK	53@26	24.47	23.49	0.2234
77	30	40	635332	3529.98	CP-OFDM QPSK	1@1	24.06	23.08	0.2032
77	30	40	635332	3529.98	CP-OFDM QPSK	1@104	23.92	22.94	0.1968
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	64@32	26.19	25.21	0.3319
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	25.9	24.92	0.3105
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	25.71	24.73	0.2972
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	26.16	25.18	0.3296
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	26	25.02	0.3177
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	25.74	24.76	0.2992
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	25.18	24.2	0.2630
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	24.91	23.93	0.2472
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	24.71	23.73	0.2360
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	23.69	22.71	0.1866
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	23.22	22.24	0.1675
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	23.06	22.08	0.1614
77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	21.65	20.67	0.1167
77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	21.47	20.49	0.1119
77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	21.32	20.34	0.1081
77	30	50	631668	3475.02	CP-OFDM QPSK	67@33	24.61	23.63	0.2307
77	30	50	631668	3475.02	CP-OFDM QPSK	1@1	24.46	23.48	0.2228

77	30	50	631668	3475.02	CP-OFDM QPSK	1@131	24.21	23.23	0.2104
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	26.11	25.13	0.3258
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.89	24.91	0.3097
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	25.65	24.67	0.2931
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	26.07	25.09	0.3228
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.97	24.99	0.3155
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	25.68	24.7	0.2951
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	25.09	24.11	0.2576
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.96	23.98	0.2500
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	24.51	23.53	0.2254
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	23.59	22.61	0.1824
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.29	22.31	0.1702
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	22.95	21.97	0.1574
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	21.57	20.59	0.1146
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.61	20.63	0.1156
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	21.12	20.14	0.1033
77	30	50	633334	3500.01	CP-OFDM QPSK	67@33	24.53	23.55	0.2265
77	30	50	633334	3500.01	CP-OFDM QPSK	1@1	24.43	23.45	0.2213
77	30	50	633334	3500.01	CP-OFDM QPSK	1@131	24.1	23.12	0.2051
77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	64@32	26.05	25.07	0.3214
77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	25.87	24.89	0.3083
77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@131	25.61	24.63	0.2904
77	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	26.07	25.09	0.3228
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.87	24.89	0.3083
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	25.67	24.69	0.2944
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	64@32	25.09	24.11	0.2576
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.74	23.76	0.2377
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@131	24.56	23.58	0.2280
77	30	50	635000	3525	DFT-s-OFDM 64 QAM	64@32	23.6	22.62	0.1828
77	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	23.22	22.24	0.1675
77	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@131	22.99	22.01	0.1589
77	30	50	635000	3525	DFT-s-OFDM 256 QAM	64@32	21.56	20.58	0.1143
77	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	21.48	20.5	0.1122
77	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@131	21.35	20.37	0.1089

77	30	50	635000	3525	CP-OFDM QPSK	67@33	24.54	23.56	0.2270
77	30	50	635000	3525	CP-OFDM QPSK	1@1	24.39	23.41	0.2193
77	30	50	635000	3525	CP-OFDM QPSK	1@131	24.13	23.15	0.2065
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	81@40	26.14	25.16	0.3281
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	25.85	24.87	0.3069
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@160	25.61	24.63	0.2904
77	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	26.16	25.18	0.3296
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	25.83	24.85	0.3055
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	25.7	24.72	0.2965
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	81@40	25.18	24.2	0.2630
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	24.96	23.98	0.2500
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@160	24.66	23.68	0.2333
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	81@40	23.66	22.68	0.1854
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@1	23.24	22.26	0.1683
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@160	22.93	21.95	0.1567
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	81@40	21.65	20.67	0.1167
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@1	21.36	20.38	0.1091
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@160	21.08	20.1	0.1023
77	30	60	632000	3480	CP-OFDM QPSK	81@40	24.66	23.68	0.2333
77	30	60	632000	3480	CP-OFDM QPSK	1@1	24.38	23.4	0.2188
77	30	60	632000	3480	CP-OFDM QPSK	1@160	24.11	23.13	0.2056
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	81@40	26.03	25.05	0.3199
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.77	24.79	0.3013
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	25.52	24.54	0.2844
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	26.06	25.08	0.3221
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.9	24.92	0.3105
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	25.61	24.63	0.2904
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	25.07	24.09	0.2564
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.86	23.88	0.2443
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	24.57	23.59	0.2286
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	23.55	22.57	0.1807
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.23	22.25	0.1679
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	22.87	21.89	0.1545
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	21.55	20.57	0.1140

77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.48	20.5	0.1122
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	21.07	20.09	0.1021
77	30	60	633334	3500.01	CP-OFDM QPSK	81@40	24.56	23.58	0.2280
77	30	60	633334	3500.01	CP-OFDM QPSK	1@1	24.32	23.34	0.2158
77	30	60	633334	3500.01	CP-OFDM QPSK	1@160	24.02	23.04	0.2014
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	26.14	25.16	0.3281
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	25.82	24.84	0.3048
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	25.5	24.52	0.2831
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	26.11	25.13	0.3258
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.92	24.94	0.3119
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	25.45	24.47	0.2799
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	25.14	24.16	0.2606
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	24.87	23.89	0.2449
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	24.62	23.64	0.2312
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	23.58	22.6	0.1820
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	23.2	22.22	0.1667
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	22.93	21.95	0.1567
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	21.6	20.62	0.1153
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	21.42	20.44	0.1107
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	21.06	20.08	0.1019
77	30	60	634666	3519.99	CP-OFDM QPSK	81@40	24.61	23.63	0.2307
77	30	60	634666	3519.99	CP-OFDM QPSK	1@1	24.34	23.36	0.2168
77	30	60	634666	3519.99	CP-OFDM QPSK	1@160	24.04	23.06	0.2023
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	26.21	25.23	0.3334
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	25.7	24.72	0.2965
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	25.33	24.35	0.2723
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	26.22	25.24	0.3342
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.66	24.68	0.2938
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	25.34	24.36	0.2729
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	25.25	24.27	0.2673
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	24.69	23.71	0.2350
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	24.32	23.34	0.2158
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	23.69	22.71	0.1866
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	22.96	21.98	0.1578

77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	22.74	21.76	0.1500
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	21.74	20.76	0.1191
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	21.29	20.31	0.1074
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	20.87	19.89	0.0975
77	30	80	632668	3490.02	CP-OFDM QPSK	109@54	24.71	23.73	0.2360
77	30	80	632668	3490.02	CP-OFDM QPSK	1@1	24.15	23.17	0.2075
77	30	80	632668	3490.02	CP-OFDM QPSK	1@215	23.88	22.9	0.1950
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	26.07	25.09	0.3228
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.58	24.6	0.2884
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	25.22	24.24	0.2655
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	26.09	25.11	0.3243
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.58	24.6	0.2884
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	25.17	24.19	0.2624
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	25.13	24.15	0.2600
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.59	23.61	0.2296
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	24.21	23.23	0.2104
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	23.56	22.58	0.1811
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.9	21.92	0.1556
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	22.58	21.6	0.1445
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	21.59	20.61	0.1151
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.11	20.13	0.1030
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	20.85	19.87	0.0971
77	30	80	633334	3500.01	CP-OFDM QPSK	109@54	24.52	23.54	0.2259
77	30	80	633334	3500.01	CP-OFDM QPSK	1@1	24.02	23.04	0.2014
77	30	80	633334	3500.01	CP-OFDM QPSK	1@215	23.7	22.72	0.1871
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	108@54	26.08	25.1	0.3236
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	25.66	24.68	0.2938
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@215	25.17	24.19	0.2624
77	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	26.07	25.09	0.3228
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	25.57	24.59	0.2877
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	25.18	24.2	0.2630
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	108@54	25.11	24.13	0.2588
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	24.6	23.62	0.2301
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@215	24.19	23.21	0.2094

77	30	80	634000	3510	DFT-s-OFDM 64 QAM	108@54	23.56	22.58	0.1811
77	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@1	22.99	22.01	0.1589
77	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@215	22.31	21.33	0.1358
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	108@54	21.59	20.61	0.1151
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@1	21.22	20.24	0.1057
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@215	20.6	19.62	0.0916
77	30	80	634000	3510	CP-OFDM QPSK	109@54	24.53	23.55	0.2265
77	30	80	634000	3510	CP-OFDM QPSK	1@1	24.09	23.11	0.2046
77	30	80	634000	3510	CP-OFDM QPSK	1@215	23.64	22.66	0.1845
77	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	120@60	26.17	25.19	0.3304
77	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	25.51	24.53	0.2838
77	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@243	25.14	24.16	0.2606
77	30	90	633000	3495	DFT-s-OFDM QPSK	120@60	26.13	25.15	0.3273
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	25.52	24.54	0.2844
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@243	25.05	24.07	0.2553
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	120@60	25.16	24.18	0.2618
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	24.47	23.49	0.2234
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@243	24.07	23.09	0.2037
77	30	90	633000	3495	DFT-s-OFDM 64 QAM	120@60	23.59	22.61	0.1824
77	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@1	22.73	21.75	0.1496
77	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@243	22.44	21.46	0.1400
77	30	90	633000	3495	DFT-s-OFDM 256 QAM	120@60	21.58	20.6	0.1148
77	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@1	21.02	20.04	0.1009
77	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@243	20.53	19.55	0.0902
77	30	90	633000	3495	CP-OFDM QPSK	123@61	24.6	23.62	0.2301
77	30	90	633000	3495	CP-OFDM QPSK	1@1	23.87	22.89	0.1945
77	30	90	633000	3495	CP-OFDM QPSK	1@243	23.44	22.46	0.1762
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	120@60	26	25.02	0.3177
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.43	24.45	0.2786
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@243	25.07	24.09	0.2564
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	26.09	25.11	0.3243
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.41	24.43	0.2773
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	25.01	24.03	0.2529
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	120@60	25.05	24.07	0.2553

77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.43	23.45	0.2213
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@243	24.02	23.04	0.2014
77	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	120@60	23.54	22.56	0.1803
77	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.59	21.61	0.1449
77	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@243	22.19	21.21	0.1321
77	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	120@60	21.52	20.54	0.1132
77	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.81	19.83	0.0962
77	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@243	20.45	19.47	0.0885
77	30	90	633334	3500.01	CP-OFDM QPSK	123@61	24.52	23.54	0.2259
77	30	90	633334	3500.01	CP-OFDM QPSK	1@1	23.92	22.94	0.1968
77	30	90	633334	3500.01	CP-OFDM QPSK	1@243	23.51	22.53	0.1791
77	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	120@60	26.02	25.04	0.3192
77	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	25.5	24.52	0.2831
77	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@243	25.06	24.08	0.2559
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	26.07	25.09	0.3228
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	25.53	24.55	0.2851
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	25.05	24.07	0.2553
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	25.07	24.09	0.2564
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	24.44	23.46	0.2218
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	23.99	23.01	0.2000
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	120@60	23.54	22.56	0.1803
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@1	22.82	21.84	0.1528
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@243	22.45	21.47	0.1403
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	120@60	21.51	20.53	0.1130
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@1	21.01	20.03	0.1007
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@243	20.6	19.62	0.0916
77	30	90	633666	3504.99	CP-OFDM QPSK	123@61	24.52	23.54	0.2259
77	30	90	633666	3504.99	CP-OFDM QPSK	1@1	24.02	23.04	0.2014
77	30	90	633666	3504.99	CP-OFDM QPSK	1@243	23.6	22.62	0.1828
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	26.02	25.04	0.3192
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.27	24.29	0.2685
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	24.83	23.85	0.2427
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	26.03	25.05	0.3199
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.3	24.32	0.2704

77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	24.82	23.84	0.2421
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	25.05	24.07	0.2553
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.25	23.27	0.2123
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	23.76	22.78	0.1897
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.55	22.57	0.1807
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.59	21.61	0.1449
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	22.13	21.15	0.1303
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.53	20.55	0.1135
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.84	19.86	0.0968
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	20.39	19.41	0.0873
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.54	23.56	0.2270
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	23.72	22.74	0.1879
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	23.27	22.29	0.1694

FR1 N78

Transmitter Conducted Output Power And EIRP, (G_T - L_C) = -1.47dB

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	26.98	25.51	0.3556
78	15	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	26.88	25.41	0.3475
78	15	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@50	26.92	25.45	0.3508
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	25@12	27	25.53	0.3573
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	26.91	25.44	0.3499
78	15	10	630334	3455.01	DFT-s-OFDM QPSK	1@50	26.93	25.46	0.3516
78	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	25@12	25.99	24.52	0.2831
78	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	25.94	24.47	0.2799
78	15	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@50	25.97	24.5	0.2818
78	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	25@12	24.53	23.06	0.2023
78	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@1	24.52	23.05	0.2018
78	15	10	630334	3455.01	DFT-s-OFDM 64 QAM	1@50	24.55	23.08	0.2032
78	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	25@12	22.43	20.96	0.1247
78	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@1	22.38	20.91	0.1233
78	15	10	630334	3455.01	DFT-s-OFDM 256 QAM	1@50	22.38	20.91	0.1233
78	15	10	630334	3455.01	CP-OFDM QPSK	26@13	25.42	23.95	0.2483
78	15	10	630334	3455.01	CP-OFDM QPSK	1@1	25.42	23.95	0.2483
78	15	10	630334	3455.01	CP-OFDM QPSK	1@50	25.42	23.95	0.2483
78	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	26.86	25.39	0.3459
78	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.82	25.35	0.3428
78	15	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@50	26.71	25.24	0.3342
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	25@12	26.88	25.41	0.3475
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.86	25.39	0.3459
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	1@50	26.74	25.27	0.3365
78	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	25.88	24.41	0.2761
78	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.89	24.42	0.2767
78	15	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@50	25.77	24.3	0.2692

78	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	24.42	22.95	0.1972
78	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.44	22.97	0.1982
78	15	10	633334	3500.01	DFT-s-OFDM 64 QAM	1@50	24.34	22.87	0.1936
78	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	22.31	20.84	0.1213
78	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.29	20.82	0.1208
78	15	10	633334	3500.01	DFT-s-OFDM 256 QAM	1@50	22.2	20.73	0.1183
78	15	10	633334	3500.01	CP-OFDM QPSK	26@13	25.33	23.86	0.2432
78	15	10	633334	3500.01	CP-OFDM QPSK	1@1	25.32	23.85	0.2427
78	15	10	633334	3500.01	CP-OFDM QPSK	1@50	25.19	23.72	0.2355
78	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	25@12	26.83	25.36	0.3436
78	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	1@1	26.76	25.29	0.3381
78	15	10	636333	3544.995	DFT-s-OFDM PI/2 BPSK	1@50	26.77	25.3	0.3388
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	25@12	26.86	25.39	0.3459
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@1	26.8	25.33	0.3412
78	15	10	636333	3544.995	DFT-s-OFDM QPSK	1@50	26.81	25.34	0.3420
78	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	25@12	25.87	24.4	0.2754
78	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@1	25.83	24.36	0.2729
78	15	10	636333	3544.995	DFT-s-OFDM 16 QAM	1@50	25.86	24.39	0.2748
78	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	25@12	24.38	22.91	0.1954
78	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	1@1	24.41	22.94	0.1968
78	15	10	636333	3544.995	DFT-s-OFDM 64 QAM	1@50	24.43	22.96	0.1977
78	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	25@12	22.29	20.82	0.1208
78	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	1@1	22.23	20.76	0.1191
78	15	10	636333	3544.995	DFT-s-OFDM 256 QAM	1@50	22.24	20.77	0.1194
78	15	10	636333	3544.995	CP-OFDM QPSK	26@13	25.29	23.82	0.2410
78	15	10	636333	3544.995	CP-OFDM QPSK	1@1	25.27	23.8	0.2399
78	15	10	636333	3544.995	CP-OFDM QPSK	1@50	25.29	23.82	0.2410
78	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	36@18	27.14	25.67	0.3690
78	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	27.04	25.57	0.3606
78	15	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@77	27.05	25.58	0.3614
78	15	15	630500	3457.5	DFT-s-OFDM QPSK	36@18	27.17	25.7	0.3715
78	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	27.04	25.57	0.3606
78	15	15	630500	3457.5	DFT-s-OFDM QPSK	1@77	27.08	25.61	0.3639
78	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	36@18	26.15	24.68	0.2938

78	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	26.08	24.61	0.2891
78	15	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@77	26.13	24.66	0.2924
78	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	36@18	24.58	23.11	0.2046
78	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@1	24.65	23.18	0.2080
78	15	15	630500	3457.5	DFT-s-OFDM 64 QAM	1@77	24.67	23.2	0.2089
78	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	36@18	22.65	21.18	0.1312
78	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@1	22.47	21	0.1259
78	15	15	630500	3457.5	DFT-s-OFDM 256 QAM	1@77	22.5	21.03	0.1268
78	15	15	630500	3457.5	CP-OFDM QPSK	39@19	25.64	24.17	0.2612
78	15	15	630500	3457.5	CP-OFDM QPSK	1@1	25.58	24.11	0.2576
78	15	15	630500	3457.5	CP-OFDM QPSK	1@77	25.64	24.17	0.2612
78	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	26.99	25.52	0.3565
78	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.93	25.46	0.3516
78	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@77	26.78	25.31	0.3396
78	15	15	633334	3500.01	DFT-s-OFDM QPSK	36@18	27.03	25.56	0.3597
78	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.96	25.49	0.3540
78	15	15	633334	3500.01	DFT-s-OFDM QPSK	1@77	26.83	25.36	0.3436
78	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	26.01	24.54	0.2844
78	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26.02	24.55	0.2851
78	15	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@77	25.86	24.39	0.2748
78	15	15	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	24.43	22.96	0.1977
78	15	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.53	23.06	0.2023
78	15	15	633334	3500.01	DFT-s-OFDM 64 QAM	1@77	24.38	22.91	0.1954
78	15	15	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	22.5	21.03	0.1268
78	15	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.36	20.89	0.1227
78	15	15	633334	3500.01	DFT-s-OFDM 256 QAM	1@77	22.21	20.74	0.1186
78	15	15	633334	3500.01	CP-OFDM QPSK	39@19	25.51	24.04	0.2535
78	15	15	633334	3500.01	CP-OFDM QPSK	1@1	25.46	23.99	0.2506
78	15	15	633334	3500.01	CP-OFDM QPSK	1@77	25.34	23.87	0.2438
78	15	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	36@18	26.97	25.5	0.3548
78	15	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@1	26.82	25.35	0.3428
78	15	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@77	26.84	25.37	0.3443
78	15	15	636166	3542.49	DFT-s-OFDM QPSK	36@18	27	25.53	0.3573
78	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	26.87	25.4	0.3467

78	15	15	636166	3542.49	DFT-s-OFDM QPSK	1@77	26.9	25.43	0.3491
78	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	36@18	26	24.53	0.2838
78	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	25.9	24.43	0.2773
78	15	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@77	25.95	24.48	0.2805
78	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	36@18	24.39	22.92	0.1959
78	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@1	24.44	22.97	0.1982
78	15	15	636166	3542.49	DFT-s-OFDM 64 QAM	1@77	24.46	22.99	0.1991
78	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	36@18	22.46	20.99	0.1256
78	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@1	22.25	20.78	0.1197
78	15	15	636166	3542.49	DFT-s-OFDM 256 QAM	1@77	22.26	20.79	0.1199
78	15	15	636166	3542.49	CP-OFDM QPSK	39@19	25.48	24.01	0.2518
78	15	15	636166	3542.49	CP-OFDM QPSK	1@1	25.33	23.86	0.2432
78	15	15	636166	3542.49	CP-OFDM QPSK	1@77	25.39	23.92	0.2466
78	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	50@25	27.18	25.71	0.3724
78	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	1@1	27	25.53	0.3573
78	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	1@104	27.04	25.57	0.3606
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	50@25	27.19	25.72	0.3733
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@1	27.06	25.59	0.3622
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@104	27.09	25.62	0.3648
78	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	50@25	26.22	24.75	0.2985
78	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@1	26.1	24.63	0.2904
78	15	20	630667	3460.005	DFT-s-OFDM 16 QAM	1@104	26.11	24.64	0.2911
78	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	50@25	24.65	23.18	0.2080
78	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	1@1	24.69	23.22	0.2099
78	15	20	630667	3460.005	DFT-s-OFDM 64 QAM	1@104	24.71	23.24	0.2109
78	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	50@25	22.59	21.12	0.1294
78	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	1@1	22.47	21	0.1259
78	15	20	630667	3460.005	DFT-s-OFDM 256 QAM	1@104	22.5	21.03	0.1268
78	15	20	630667	3460.005	CP-OFDM QPSK	53@26	25.65	24.18	0.2618
78	15	20	630667	3460.005	CP-OFDM QPSK	1@1	25.53	24.06	0.2547
78	15	20	630667	3460.005	CP-OFDM QPSK	1@104	25.54	24.07	0.2553
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	27.02	25.55	0.3589
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.94	25.47	0.3524
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	26.71	25.24	0.3342

78	15	20	633334	3500.01	DFT-s-OFDM QPSK	50@25	27.04	25.57	0.3606
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.96	25.49	0.3540
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@104	26.72	25.25	0.3350
78	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	26.06	24.59	0.2877
78	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	26	24.53	0.2838
78	15	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	25.77	24.3	0.2692
78	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	24.5	23.03	0.2009
78	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.55	23.08	0.2032
78	15	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	24.33	22.86	0.1932
78	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	22.46	20.99	0.1256
78	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.4	20.93	0.1239
78	15	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	22.18	20.71	0.1178
78	15	20	633334	3500.01	CP-OFDM QPSK	53@26	25.5	24.03	0.2529
78	15	20	633334	3500.01	CP-OFDM QPSK	1@1	25.41	23.94	0.2477
78	15	20	633334	3500.01	CP-OFDM QPSK	1@104	25.19	23.72	0.2355
78	15	20	636000	3540	DFT-s-OFDM PI/2 BPSK	50@25	26.98	25.51	0.3556
78	15	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	26.86	25.39	0.3459
78	15	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@104	26.84	25.37	0.3443
78	15	20	636000	3540	DFT-s-OFDM QPSK	50@25	27.02	25.55	0.3589
78	15	20	636000	3540	DFT-s-OFDM QPSK	1@1	26.86	25.39	0.3459
78	15	20	636000	3540	DFT-s-OFDM QPSK	1@104	26.88	25.41	0.3475
78	15	20	636000	3540	DFT-s-OFDM 16 QAM	50@25	26.03	24.56	0.2858
78	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	25.94	24.47	0.2799
78	15	20	636000	3540	DFT-s-OFDM 16 QAM	1@104	25.91	24.44	0.2780
78	15	20	636000	3540	DFT-s-OFDM 64 QAM	50@25	24.45	22.98	0.1986
78	15	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	24.51	23.04	0.2014
78	15	20	636000	3540	DFT-s-OFDM 64 QAM	1@104	24.51	23.04	0.2014
78	15	20	636000	3540	DFT-s-OFDM 256 QAM	50@25	22.41	20.94	0.1242
78	15	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	22.31	20.84	0.1213
78	15	20	636000	3540	DFT-s-OFDM 256 QAM	1@104	22.31	20.84	0.1213
78	15	20	636000	3540	CP-OFDM QPSK	53@26	25.45	23.98	0.2500
78	15	20	636000	3540	CP-OFDM QPSK	1@1	25.34	23.87	0.2438
78	15	20	636000	3540	CP-OFDM QPSK	1@104	25.35	23.88	0.2443
78	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	108@54	27.04	25.57	0.3606

78	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	26.47	25	0.3162
78	15	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@214	26.31	24.84	0.3048
78	15	40	631334	3470.01	DFT-s-OFDM QPSK	108@54	27.07	25.6	0.3631
78	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	26.46	24.99	0.3155
78	15	40	631334	3470.01	DFT-s-OFDM QPSK	1@214	26.31	24.84	0.3048
78	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	108@54	26.07	24.6	0.2884
78	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	25.58	24.11	0.2576
78	15	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@214	25.44	23.97	0.2495
78	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	108@54	24.59	23.12	0.2051
78	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	24.13	22.66	0.1845
78	15	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@214	23.98	22.51	0.1782
78	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	108@54	22.58	21.11	0.1291
78	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	21.93	20.46	0.1112
78	15	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@214	21.76	20.29	0.1069
78	15	40	631334	3470.01	CP-OFDM QPSK	108@54	25.51	24.04	0.2535
78	15	40	631334	3470.01	CP-OFDM QPSK	1@1	24.99	23.52	0.2249
78	15	40	631334	3470.01	CP-OFDM QPSK	1@214	24.77	23.3	0.2138
78	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	26.92	25.45	0.3508
78	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.48	25.01	0.3170
78	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@214	26.2	24.73	0.2972
78	15	40	633334	3500.01	DFT-s-OFDM QPSK	108@54	26.95	25.48	0.3532
78	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.51	25.04	0.3192
78	15	40	633334	3500.01	DFT-s-OFDM QPSK	1@214	26.23	24.76	0.2992
78	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	25.93	24.46	0.2793
78	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.54	24.07	0.2553
78	15	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@214	25.27	23.8	0.2399
78	15	40	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	24.45	22.98	0.1986
78	15	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.15	22.68	0.1854
78	15	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@214	23.89	22.42	0.1746
78	15	40	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	22.45	20.98	0.1253
78	15	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.99	20.52	0.1127
78	15	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@214	21.7	20.23	0.1054
78	15	40	633334	3500.01	CP-OFDM QPSK	108@54	25.39	23.92	0.2466
78	15	40	633334	3500.01	CP-OFDM QPSK	1@1	24.97	23.5	0.2239

78	15	40	633334	3500.01	CP-OFDM QPSK	1@214	24.63	23.16	0.2070
78	15	40	635333	3529.995	DFT-s-OFDM PI/2 BPSK	108@54	26.92	25.45	0.3508
78	15	40	635333	3529.995	DFT-s-OFDM PI/2 BPSK	1@1	26.32	24.85	0.3055
78	15	40	635333	3529.995	DFT-s-OFDM PI/2 BPSK	1@214	26.29	24.82	0.3034
78	15	40	635333	3529.995	DFT-s-OFDM QPSK	108@54	26.92	25.45	0.3508
78	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@1	26.36	24.89	0.3083
78	15	40	635333	3529.995	DFT-s-OFDM QPSK	1@214	26.32	24.85	0.3055
78	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	108@54	25.93	24.46	0.2793
78	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@1	25.42	23.95	0.2483
78	15	40	635333	3529.995	DFT-s-OFDM 16 QAM	1@214	25.35	23.88	0.2443
78	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	108@54	24.43	22.96	0.1977
78	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	1@1	23.99	22.52	0.1786
78	15	40	635333	3529.995	DFT-s-OFDM 64 QAM	1@214	23.95	22.48	0.1770
78	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	108@54	22.4	20.93	0.1239
78	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	1@1	21.77	20.3	0.1072
78	15	40	635333	3529.995	DFT-s-OFDM 256 QAM	1@214	21.72	20.25	0.1059
78	15	40	635333	3529.995	CP-OFDM QPSK	108@54	25.35	23.88	0.2443
78	15	40	635333	3529.995	CP-OFDM QPSK	1@1	24.82	23.35	0.2163
78	15	40	635333	3529.995	CP-OFDM QPSK	1@214	24.76	23.29	0.2133
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	135@67	27.02	25.55	0.3589
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@1	26.76	25.29	0.3381
78	15	50	631667	3475.005	DFT-s-OFDM PI/2 BPSK	1@268	26.53	25.06	0.3206
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	135@67	27.04	25.57	0.3606
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@1	26.79	25.32	0.3404
78	15	50	631667	3475.005	DFT-s-OFDM QPSK	1@268	26.56	25.09	0.3228
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	135@67	26.04	24.57	0.2864
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@1	25.86	24.39	0.2748
78	15	50	631667	3475.005	DFT-s-OFDM 16 QAM	1@268	25.58	24.11	0.2576
78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	135@67	24.55	23.08	0.2032
78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@1	24.39	22.92	0.1959
78	15	50	631667	3475.005	DFT-s-OFDM 64 QAM	1@268	24.16	22.69	0.1858
78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	135@67	22.52	21.05	0.1274
78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@1	22.27	20.8	0.1202
78	15	50	631667	3475.005	DFT-s-OFDM 256 QAM	1@268	22.04	20.57	0.1140

78	15	50	631667	3475.005	CP-OFDM QPSK	135@67	25.52	24.05	0.2541
78	15	50	631667	3475.005	CP-OFDM QPSK	1@1	25.31	23.84	0.2421
78	15	50	631667	3475.005	CP-OFDM QPSK	1@268	25.1	23.63	0.2307
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	26.9	25.43	0.3491
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.82	25.35	0.3428
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@268	26.5	25.03	0.3184
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	135@67	26.93	25.46	0.3516
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.81	25.34	0.3420
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	1@268	26.49	25.02	0.3177
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	25.91	24.44	0.2780
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.97	24.5	0.2818
78	15	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@268	25.66	24.19	0.2624
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	24.44	22.97	0.1982
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.49	23.02	0.2004
78	15	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@268	24.16	22.69	0.1858
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	22.39	20.92	0.1236
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.29	20.82	0.1208
78	15	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@268	21.98	20.51	0.1125
78	15	50	633334	3500.01	CP-OFDM QPSK	135@67	25.41	23.94	0.2477
78	15	50	633334	3500.01	CP-OFDM QPSK	1@1	25.31	23.84	0.2421
78	15	50	633334	3500.01	CP-OFDM QPSK	1@268	25.02	23.55	0.2265
78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	135@67	26.87	25.4	0.3467
78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	26.7	25.23	0.3334
78	15	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@268	26.58	25.11	0.3243
78	15	50	635000	3525	DFT-s-OFDM QPSK	135@67	26.87	25.4	0.3467
78	15	50	635000	3525	DFT-s-OFDM QPSK	1@1	26.69	25.22	0.3327
78	15	50	635000	3525	DFT-s-OFDM QPSK	1@268	26.58	25.11	0.3243
78	15	50	635000	3525	DFT-s-OFDM 16 QAM	135@67	25.88	24.41	0.2761
78	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	25.86	24.39	0.2748
78	15	50	635000	3525	DFT-s-OFDM 16 QAM	1@268	25.73	24.26	0.2667
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	135@67	24.37	22.9	0.1950
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	24.36	22.89	0.1945
78	15	50	635000	3525	DFT-s-OFDM 64 QAM	1@268	24.25	22.78	0.1897
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	135@67	22.34	20.87	0.1222

78	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	22.21	20.74	0.1186
78	15	50	635000	3525	DFT-s-OFDM 256 QAM	1@268	22.07	20.6	0.1148
78	15	50	635000	3525	CP-OFDM QPSK	135@67	25.37	23.9	0.2455
78	15	50	635000	3525	CP-OFDM QPSK	1@1	25.2	23.73	0.2360
78	15	50	635000	3525	CP-OFDM QPSK	1@268	25.14	23.67	0.2328

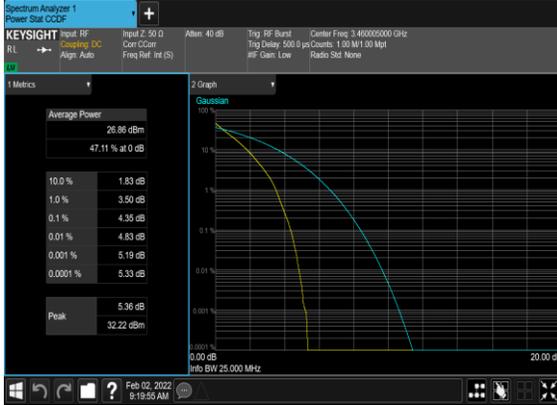
Frequency Stability

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	0.00318	PASS	NV
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00636	PASS	LV
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00314	PASS	HV
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00513	PASS	-30°C
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00402	PASS	-20°C
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00004	PASS	-10°C
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00672	PASS	0°C
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00219	PASS	10°C
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00226	PASS	20°C
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00349	PASS	30°C
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00039	PASS	40°C
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	0.00599	PASS	50°C

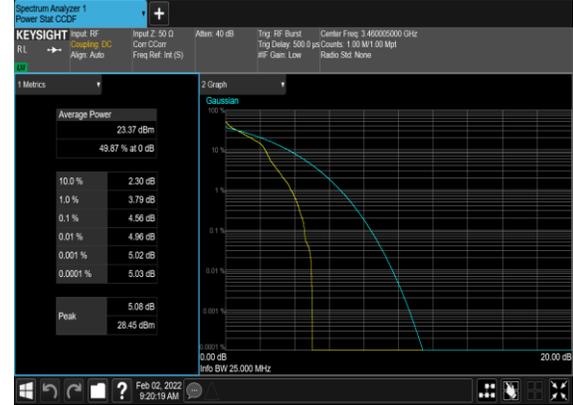
Peak to Average Ratio

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	4.35	13	PASS
78	15	20	630667	3460.005	DFT-s-OFDM PI/2 BPSK	1@0	4.56	13	PASS
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	100@0	5.41	13	PASS
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@0	6.17	13	PASS
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	4.35	13	PASS
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	5.1	13	PASS
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	5.38	13	PASS
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	6.02	13	PASS
78	15	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	100@0	4.34	13	PASS
78	15	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@0	4.88	13	PASS
78	15	20	636000	3540.0	DFT-s-OFDM QPSK	100@0	5.37	13	PASS
78	15	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	6.12	13	PASS

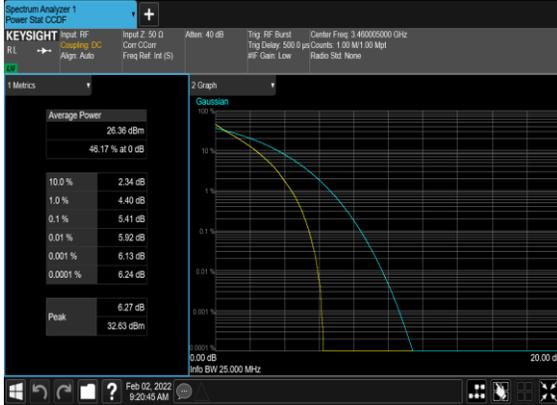
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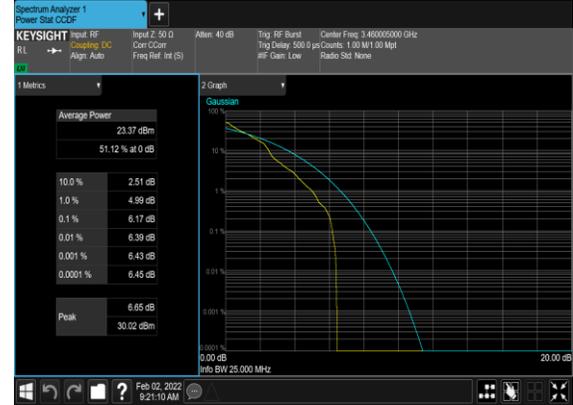
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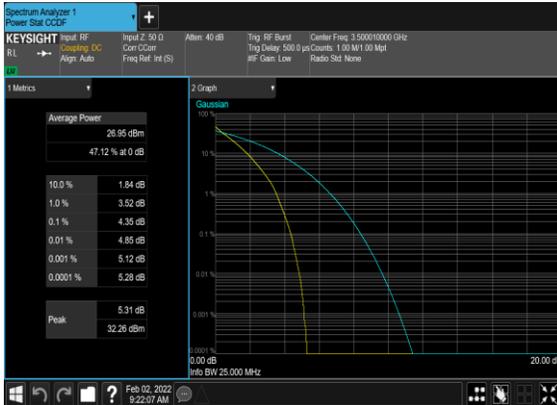
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N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



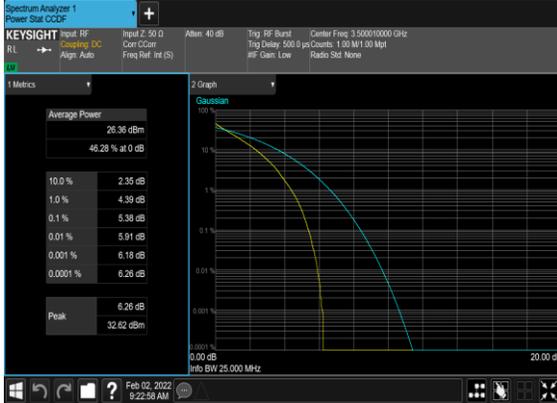
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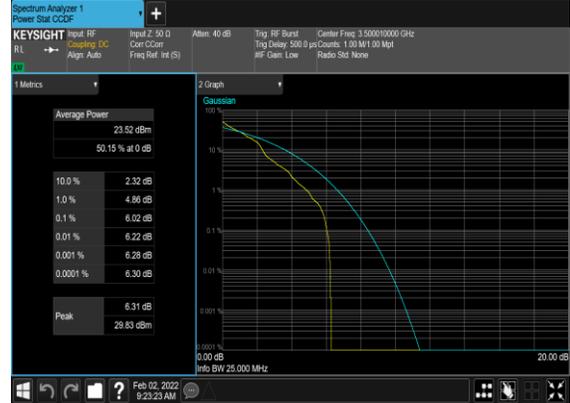
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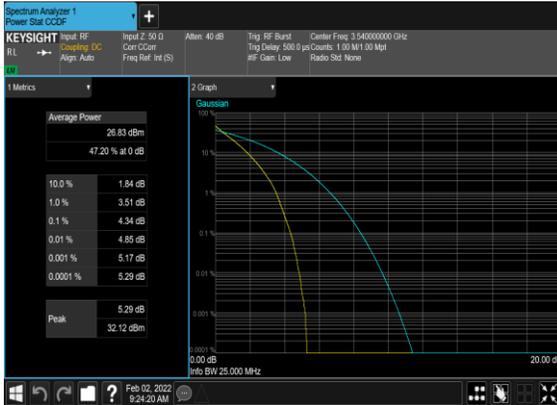
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N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



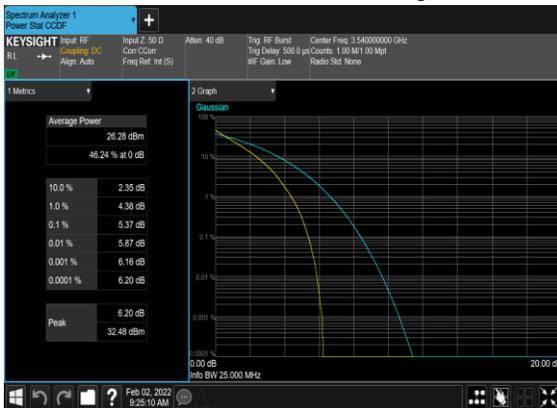
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



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



N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



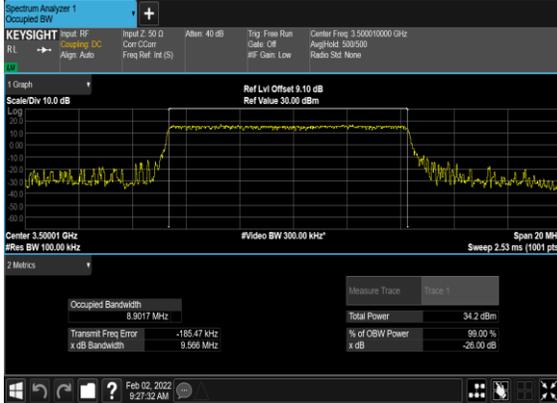
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



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	8.9017	9.566
78	15	10	633334	3500.01	DFT-s-OFDM QPSK	50@0	8.8857	9.442
78	15	10	633334	3500.01	CP-OFDM QPSK	52@0	9.2828	10.05
78	15	10	633334	3500.01	CP-OFDM 16 QAM	52@0	9.3065	9.757
78	15	10	633334	3500.01	CP-OFDM 64 QAM	52@0	9.2736	9.796
78	15	10	633334	3500.01	CP-OFDM 256 QAM	52@0	9.2992	10.09
78	15	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	75@0	13.387	14.08
78	15	15	633334	3500.01	DFT-s-OFDM QPSK	75@0	13.38	13.98
78	15	15	633334	3500.01	CP-OFDM QPSK	79@0	14.08	14.75
78	15	15	633334	3500.01	CP-OFDM 16 QAM	79@0	14.064	14.75
78	15	15	633334	3500.01	CP-OFDM 64 QAM	79@0	14.095	14.68
78	15	15	633334	3500.01	CP-OFDM 256 QAM	79@0	14.089	14.65
78	15	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	17.876	18.8
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	100@0	17.871	18.95
78	15	20	633334	3500.01	CP-OFDM QPSK	106@0	18.902	19.81
78	15	20	633334	3500.01	CP-OFDM 16 QAM	106@0	18.879	19.84
78	15	20	633334	3500.01	CP-OFDM 64 QAM	106@0	18.886	19.79
78	15	20	633334	3500.01	CP-OFDM 256 QAM	106@0	18.905	19.79
78	15	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	216@0	38.521	40.25
78	15	40	633334	3500.01	DFT-s-OFDM QPSK	216@0	38.63	39.93
78	15	40	633334	3500.01	CP-OFDM QPSK	216@0	38.583	39.93
78	15	40	633334	3500.01	CP-OFDM 16 QAM	216@0	38.559	39.83
78	15	40	633334	3500.01	CP-OFDM 64 QAM	216@0	38.547	40.06
78	15	40	633334	3500.01	CP-OFDM 256 QAM	216@0	38.508	39.94
78	15	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	48.212	49.87
78	15	50	633334	3500.01	DFT-s-OFDM QPSK	270@0	48.143	50.04
78	15	50	633334	3500.01	CP-OFDM QPSK	270@0	48.182	50.1
78	15	50	633334	3500.01	CP-OFDM 16 QAM	270@0	48.061	49.86
78	15	50	633334	3500.01	CP-OFDM 64 QAM	270@0	48.102	49.85
78	15	50	633334	3500.01	CP-OFDM 256 QAM	270@0	48.132	49.8

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



N78(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



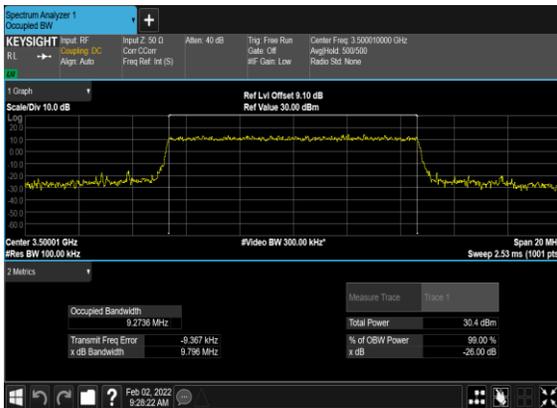
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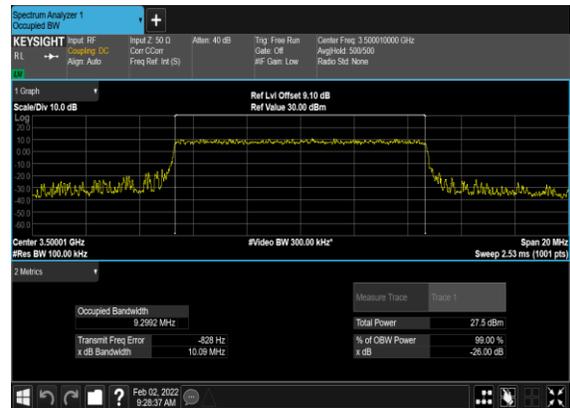
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QAM_Outer_Full_Mid_CH



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



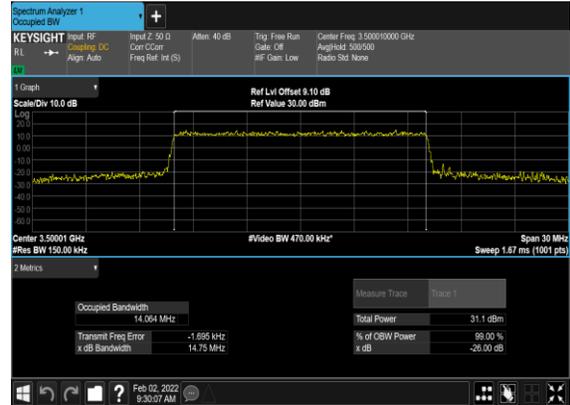
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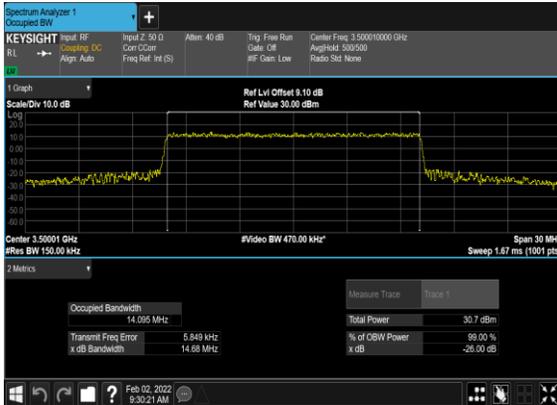
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OFDM_QPSK_Outer_Full_Mid_CH



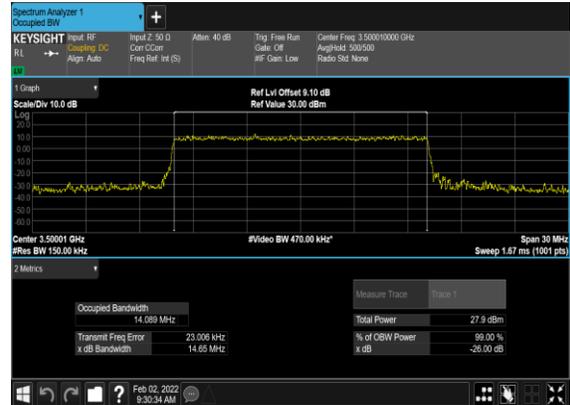
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QAM_Outer_Full_Mid_CH



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



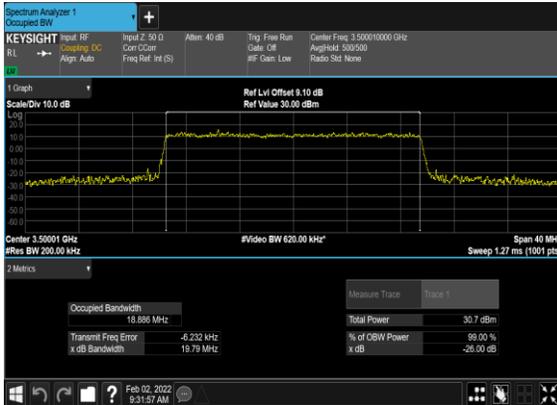
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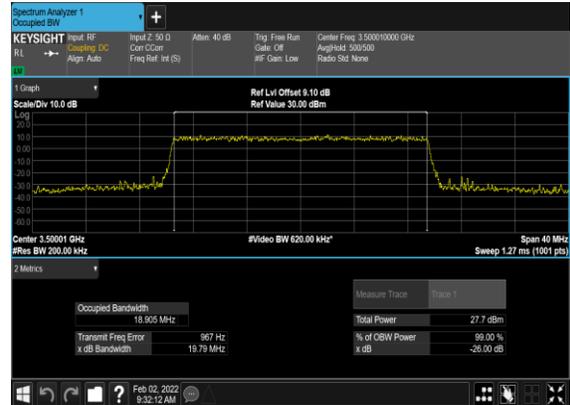
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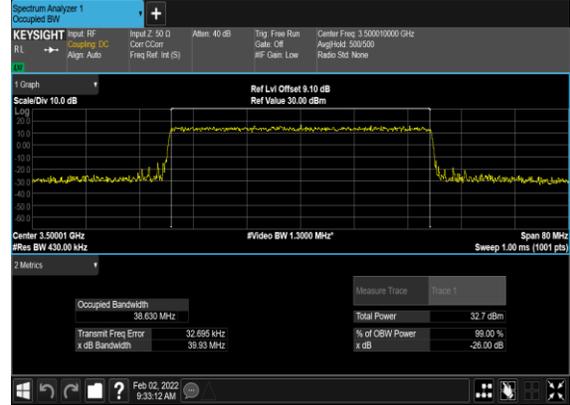
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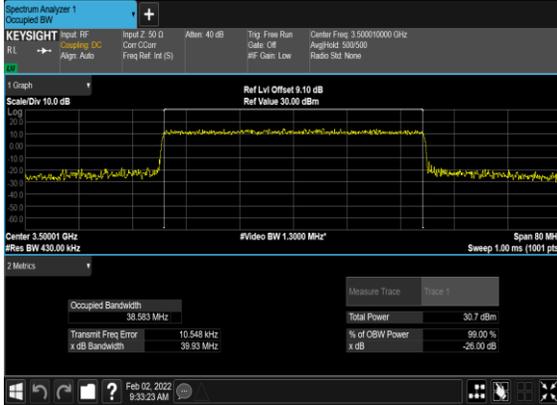
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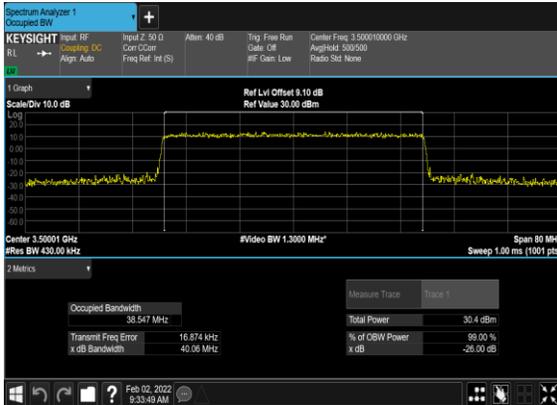
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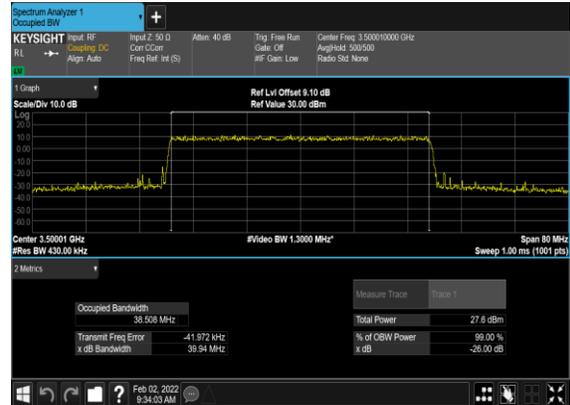
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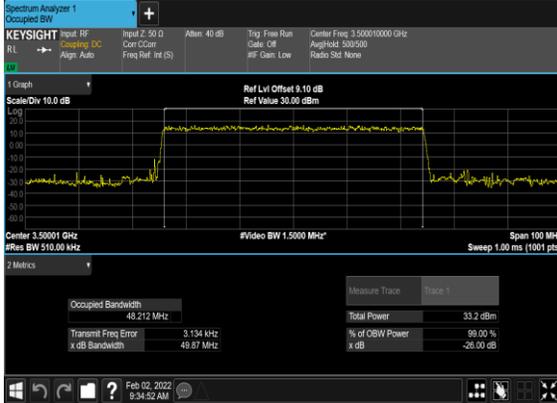
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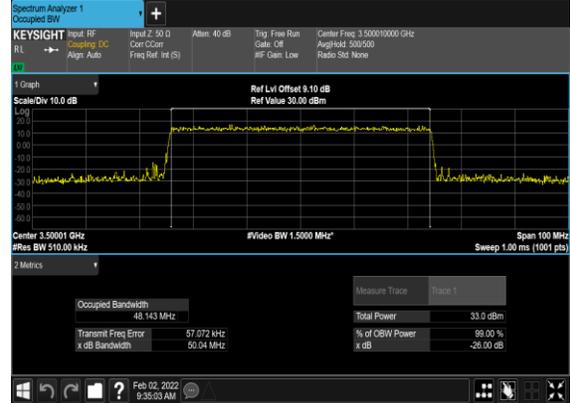
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N78(50M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



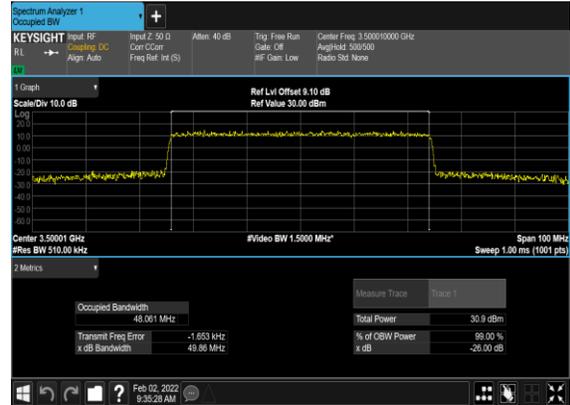
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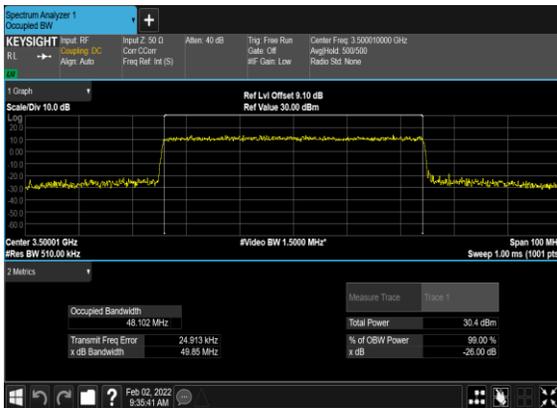
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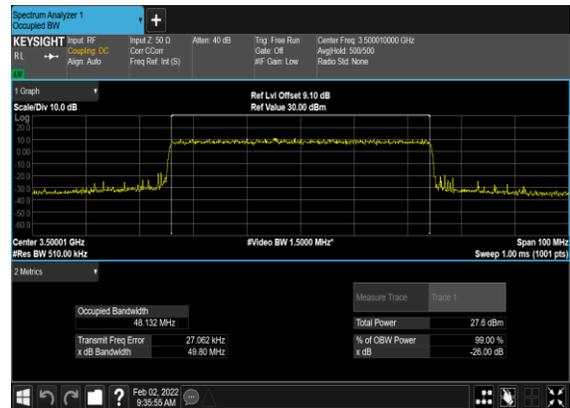
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N78(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



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	20	630667	3460.005	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	20	630667	3460.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	15	20	630667	3460.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	15	20	630667	3460.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	15	20	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	20	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	15	20	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	15	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	15	20	636000	3540.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	15	20	636000	3540.0	DFT-s-OFDM BPSK	1@0	see graph	PASS

78	15	20	636000	3540.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	15	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	15	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	15	20	636000	3540.0	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

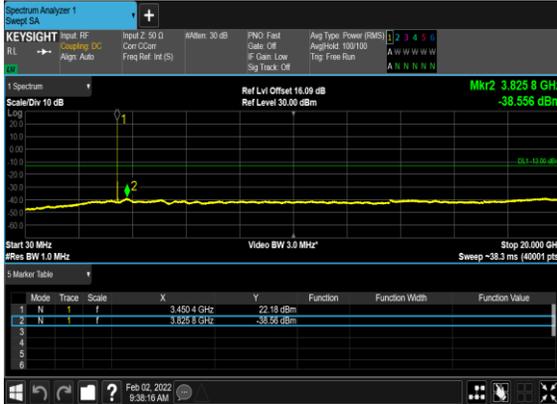
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N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



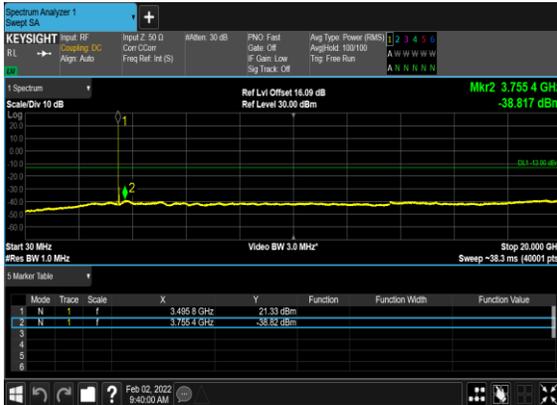
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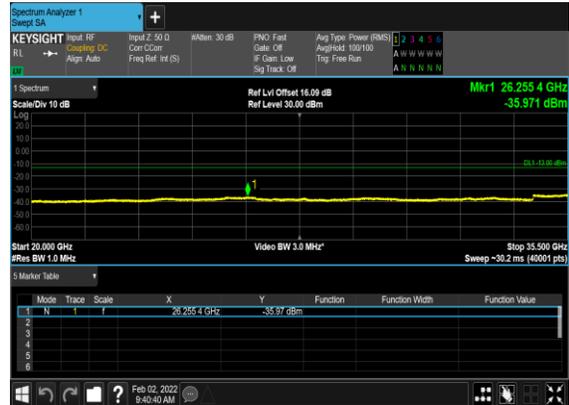
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N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



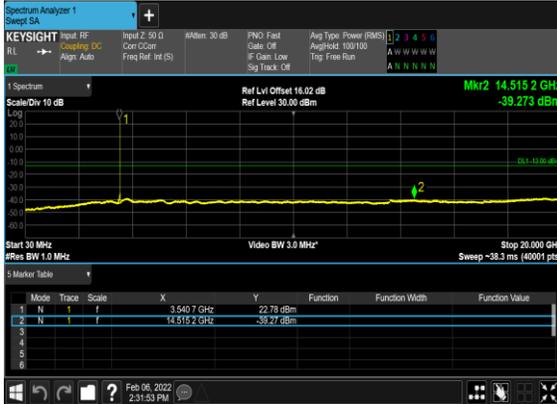
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N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



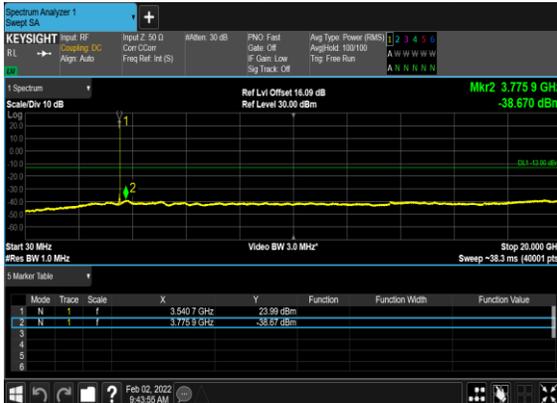
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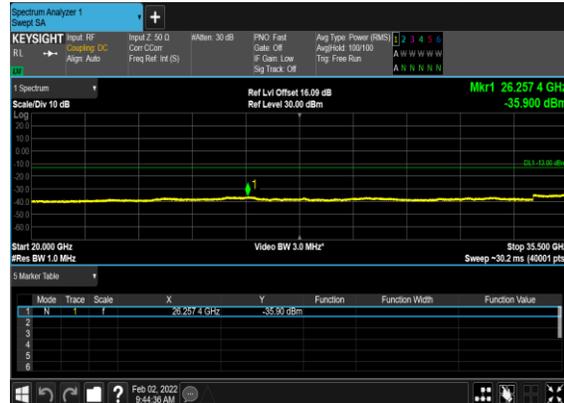
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N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N78(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N78(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



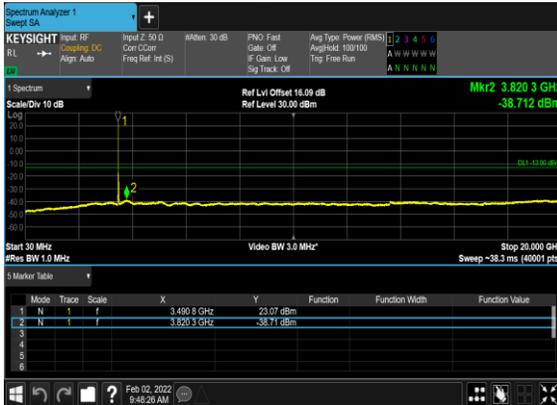
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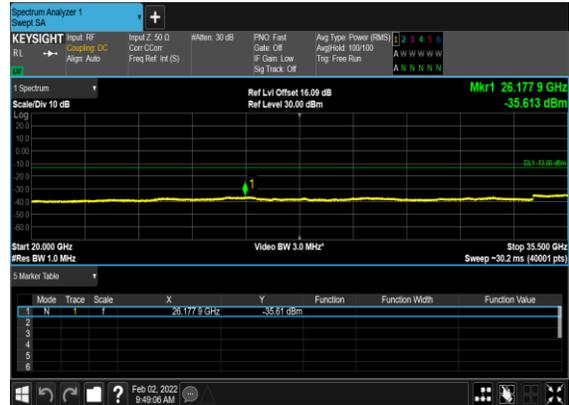
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OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



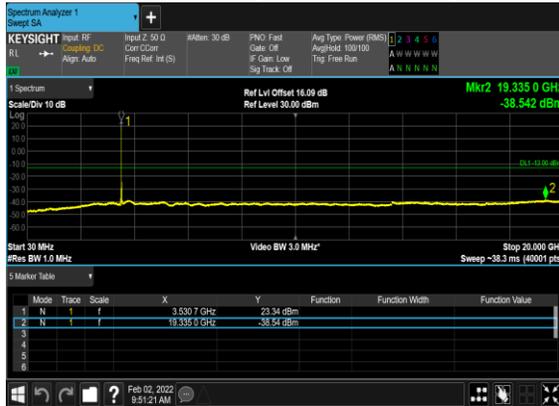
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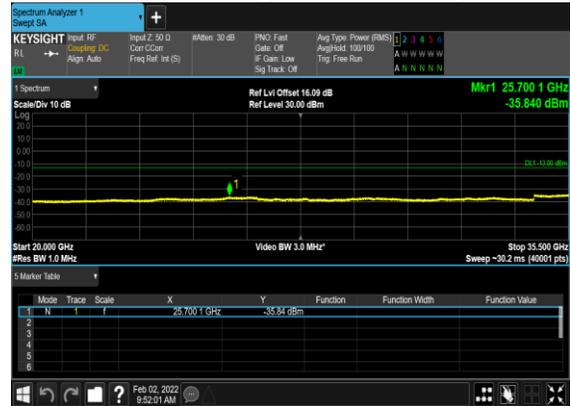
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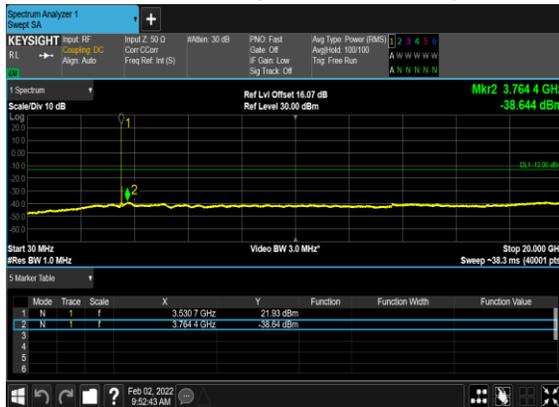
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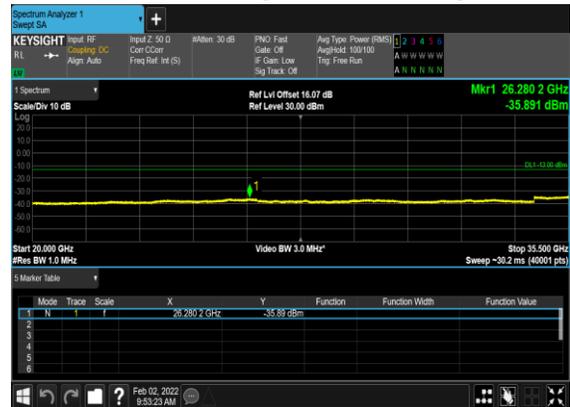
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N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



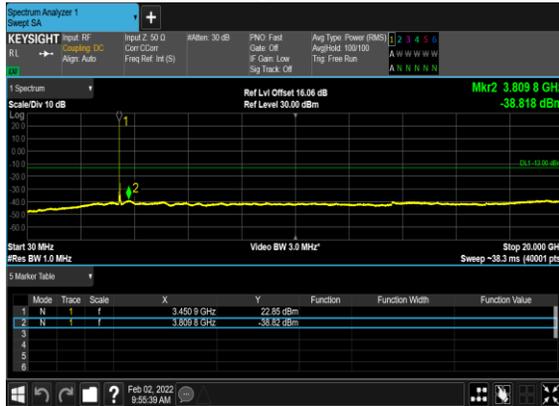
N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



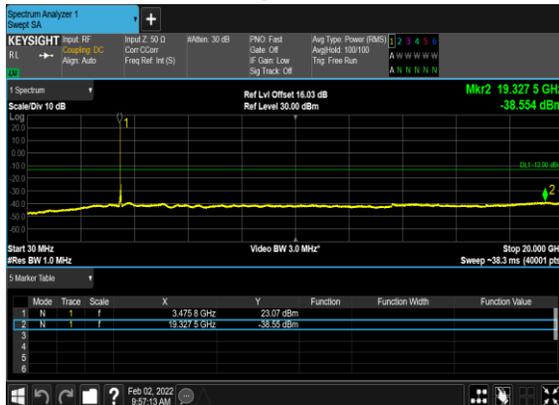
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OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

