



FCC RF Test Report

APPLICANT : vivo Mobile Communication Co., Ltd.
EQUIPMENT : Mobile Phone
BRAND NAME : vivo
MODEL NAME : V2145
FCC ID : 2AUCY-V2145
STANDARD : 47 CFR Part 2, 27Q
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Mar. 31, 2022 ~ Apr. 24, 2022

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

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

Jason Jia



Approved by: Jason Jia

Sporton International Inc. (ShenZhen)

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People's Republic of China



TABLE OF CONTENTS

REVISION HISTORY..... 3
SUMMARY OF TEST RESULT 4
1 GENERAL DESCRIPTION 5
1.1 Applicant 5
1.2 Manufacturer 5
1.3 Product Feature of Equipment Under Test 5
1.4 Product Specification of Equipment Under Test 5
1.5 Modification of EUT 6
1.6 Maximum EIRP Power and Emission Designator 6
1.7 Testing Site 7
1.8 Test Software 7
1.9 Applied Standards 8
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST 9
2.1 Test Mode 9
2.2 Connection Diagram of Test System 10
2.3 Support Unit used in test configuration and system 10
2.4 Measurement Results Explanation Example 10
2.5 Frequency List of Low/Middle/High Channels 11
3 CONDUCTED TEST ITEMS 12
3.1 Measuring Instruments 12
3.2 Test Setup 12
3.3 Test Result of Conducted Test 12
3.4 Conducted Output Power Measurement 13
3.5 Peak-to-Average Ratio 14
3.6 EIRP 15
3.7 Occupied Bandwidth 16
3.8 Conducted Band Edge Measurement 17
3.9 Conducted Spurious Emission Measurement 18
3.10 Frequency Stability Measurement 19
4 RADIATED TEST ITEMS 20
4.1 Measuring Instruments 20
4.2 Test Setup 20
4.3 Test Result of Radiated Test 21
4.4 Radiated Spurious Emission Measurement 22
5 LIST OF MEASURING EQUIPMENT 23
6 UNCERTAINTY OF EVALUATION 24
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 41.11 dB at 10500.03 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

vivo Mobile Communication Co., Ltd.
No.1, vivo Road, Chang'an, Dongguan,Guangdong,China

1.2 Manufacturer

vivo Mobile Communication Co., Ltd.
No.1, vivo Road, Chang'an, Dongguan,Guangdong,China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	vivo
Model Name	V2145
FCC ID	2AUCY-V2145
IMEI Code	Radiation: 868488069970513/868488069970505 Conducted: 868488069971263
HW Version	MP_0.1
SW Version	PD2185BF_EX_A_12.0.9.2.W30.V000L1
EUT Stage	Production Unit

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
SCS	30kHz
Bandwidth	n77: 20MHz / 30MHz / 40MHz / 60MHz / 80MHz / 100MHz n78: 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz
Antenna Gain	Ant. 12: 5G NR n77: -6.0 dBi 5G NR n78: -6.0 dBi Ant. 101: 5G NR n78: -5.0 dBi Ant. 103: 5G NR n78: -5.0 dBi Ant. 24: 5G NR n77: 0 dBi 5G NR n78: 0 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. The maximum ERP is calculated from max Output power and antenna gain, only the maximum ERP are shown in the report, 5G NR n77/n78 for Antenna 24.
2. The device supports n78(1T4R) SRS resources on Ant.12/101/102/24, only the test data of worst Ant.24 is showed in the report according to the maximum power
3. 5G NR n77 support SA, n78 support SA & NSA, SA covers NSA by referring to the maximum power.
4. The EN-DC mode combination: DC_2A_n78A, DC_4A_n78A, DC_5A_n78A, DC_7A_n78A, DC_38A_n78A, DC_41A_n78A, DC_66A_n78A.

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 SA		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	3460.02 ~ 3540.00	0.2173	18M2G7D	0.1871	18M2W7D
30	3465.00 ~ 3534.99	0.2193	27M9G7D	0.1932	27M9W7D
40	3470.01 ~ 3529.98	0.2183	37M8G7D	0.1862	38M0W7D
60	3480.00 ~ 3519.99	0.2163	57M9G7D	0.1718	57M9W7D
80	3490.02 ~ 3510.00	0.2061	77M5G7D	0.1618	77M6W7D
100	3500.01	0.2075	97M5G7D	0.1648	97M5W7D

5G NR n78 NSA (EN DC_2A-n78A)		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	3460.02 ~ 3540.00	0.2679	18M2G7D	0.2178	18M2W7D
30	3465.00 ~ 3534.99	0.2710	27M9G7D	0.2213	27M9W7D
40	3470.01 ~ 3529.98	0.2742	37M8G7D	0.2193	38M0W7D
50	3475.02 ~ 3525.00	0.2582	47M5G7D	0.2099	47M5W7D
60	3480.00 ~ 3519.99	0.2594	57M9G7D	0.2070	57M9W7D
70	3485.01 ~ 3514.98	0.2483	68M9G7D	0.1493	69M4W7D
80	3490.02 ~ 3510.00	0.2455	77M5G7D	0.2000	77M6W7D
90	3495.00 ~ 3504.99	0.2472	87M5G7D	0.2014	87M7W7D
100	3500.01	0.2466	97M5G7D	0.1986	97M5W7D

Note:

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

1.7 Testing Site

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

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

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

1.8 Test Software

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



1.9 Applied Standards

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

- ♦ 47 CFR Part 2, 27Q
- ♦ 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

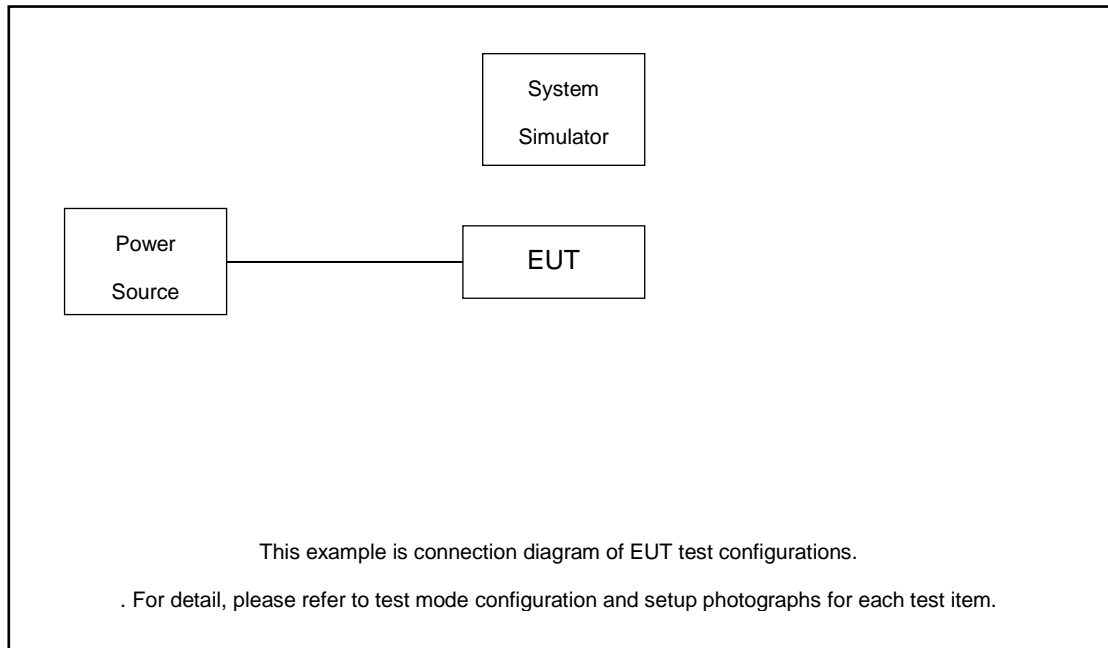
2.1 Test Mode

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.

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

Test Items	5G NR	Bandwidth (MHz)									Modulation					RB #		Test Channel		
		20	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256 QAM	1	Full	L	M	H
Max. Output Power	n77	v	v	v	-	v	-	v	-	v	v	v	v	v	v	v	v	v	v	v
	n78	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	n78	v									v	v				v	v	v	v	
26dB and 99% Bandwidth	n78	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v		v	
Conducted Band Edge	n78	v				v				v	v	v				v	v	v	v	
Conducted Spurious Emission	n78	v				v				v	v	v				v		v	v	
Frequency Stability	n78	v									v						v		v	
E.R.P / E.I.R.P	n77	v	v	v		v		v		v	v	v	v	v	v	v	v	v	v	
	n78	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	
Radiated Spurious Emission	n78	Worst Case																	v	
Note	<ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. Based on engineering evaluation, only the worst modulations test results are shown in the report. 5G NR n78 overlaps the entire frequency range of n77, Therefore, the test results provided in this report covers n78 as well as n77. Frequency Stability : Normal Voltage: 7.78Vdc, Extreme Voltage: 7.20Vdc ~8.96Vdc 																			

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	Power Supply	GWINSTEK	PSS-2002	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
3.	NR Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

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

The spectrum analyzer offset is derived from RF cable loss.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 8.6 dB.

Example :

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

= 8.6 (dB)

2.5 Frequency List of Low/Middle/High Channels

5G n77 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	-	633334	-
	Frequency	-	3500.01	-
80	Channel	632668	633334	634000
	Frequency	3490.02	3500.01	3510
60	Channel	632000	633334	634666
	Frequency	3480	3500.01	3519.99
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
30	Channel	631000	633334	635666
	Frequency	3465	3500.01	3534.99
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540

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

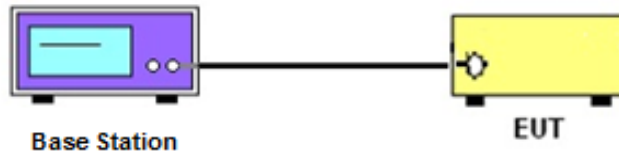
3 Conducted Test Items

3.1 Measuring Instruments

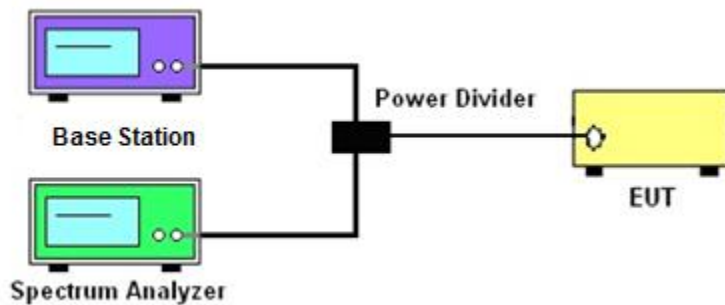
See list of measuring instruments of this test report.

3.2 Test Setup

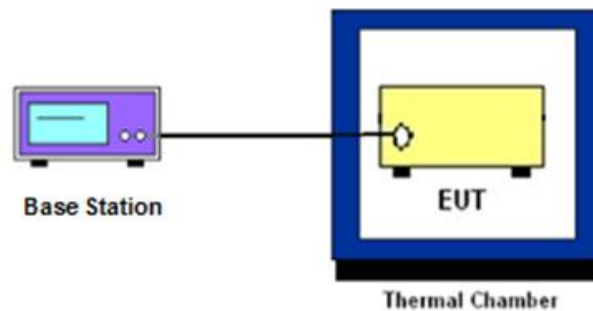
3.2.1 Conducted Output Power



3.2.2 Peak-to-Average Ratio, Occupied / 26dB Bandwidth ,Band-Edge and Conducted Spurious Emission



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.



3.4 Conducted Output Power Measurement

3.4.1 Description of the Conducted Output Power Measurement

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

3.4.2 Test Procedures

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

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

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

3.5.2 Test Procedures

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

3.6 EIRP

3.6.1 Description of EIRP Limit

§ 27.50 (k)(3)

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

3.6.2 Test Procedures

1. According to KDB 412172 D01 Power Approach,
2. $EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where
 P_T = transmitter output power in dBm
 G_T = gain of the transmitting antenna in dBi
 L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.7 Occupied Bandwidth

3.7.1 Description of Occupied Bandwidth Measurement

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

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

3.7.2 Test Procedures

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

3.8 Conducted Band Edge Measurement

3.8.1 Description of Conducted Band Edge Measurement

§ 27.53 (n)(2)

For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

Compliance with this paragraph is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.

3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW \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 \geq 500KHz.
6. Beyond the 5 MHz removed from the band edge, set RBW = 1MHz.
7. Set spectrum analyzer with RMS detector.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. Checked that all the results comply with the emission limit line.

3.9 Conducted Spurious Emission Measurement

3.9.1 Description of Conducted Spurious Emission Measurement

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

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

3.9.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. Checked that all the results comply with the emission limit line.

3.10 Frequency Stability Measurement

3.10.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block.

3.10.2 Test Procedures for Temperature Variation

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

3.10.3 Test Procedures for Voltage Variation

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

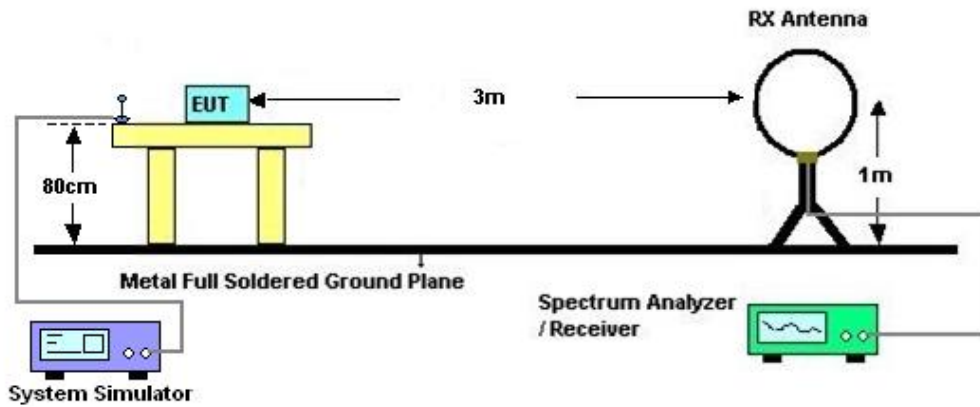
4 Radiated Test Items

4.1 Measuring Instruments

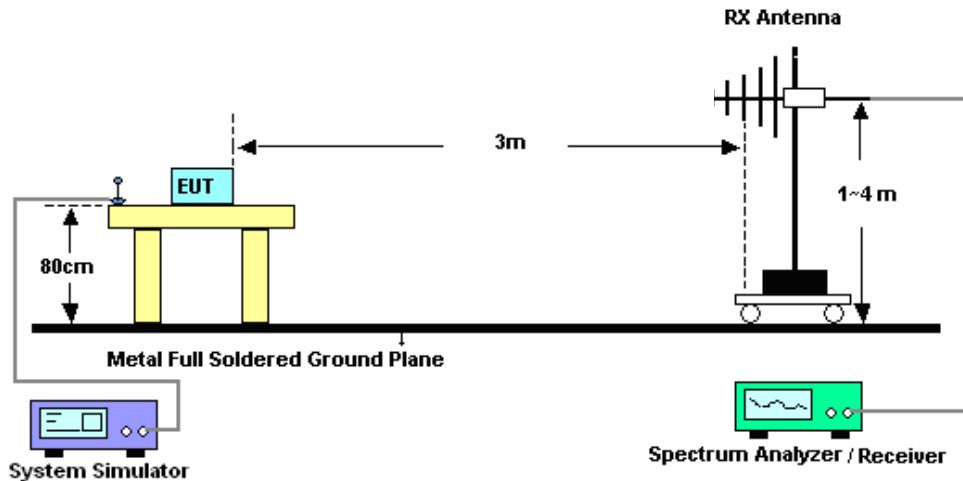
See list of measuring instruments of this test report.

4.2 Test Setup

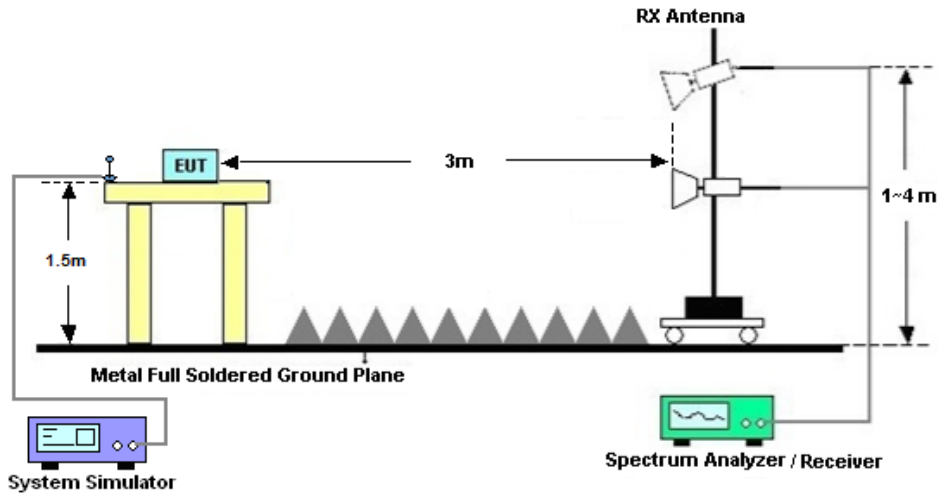
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission Measurement

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI/TIA-603-E. The power of any emission outside of the authorized operating frequency ranges shall not exceed -13 dBm/MHz.

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

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
$$\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$$
$$\text{ERP (dBm)} = \text{EIRP} - 2.15$$
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	Mar. 31, 2022	Apr. 02, 2022	Conducted (TH01-SZ)
EXA Signal Analyzer	KEYSIGHT	N9010B	MY60240803	10Hz~44GHz	Apr. 02, 2022	Apr. 24, 2022	Apr. 01, 2023	Conducted (TH01-SZ)
Power divider	STI	STI08-0055	-	0.5~40GHz	Aug. 26, 2021	Mar. 31, 2022~ Apr. 24, 2022	Aug. 25, 2022	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 14, 2021	Mar. 31, 2022~ Apr. 24, 2022	Jul. 13, 2022	Conducted (TH01-SZ)
EMI Test Receiver&SA	Agilent	N9038A	MY52260185	20Hz~26.5GHz	Dec. 02, 2021	Apr. 07, 2022	Dec. 01, 2022	Radiation (03CH01-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2020	Apr. 07, 2022	Jun. 21, 2022	Radiation (03CH01-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 16, 2021	Apr. 07, 2022	Oct. 15, 2022	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Jul. 15, 2021	Apr. 07, 2022	Jul. 14, 2022	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 25, 2021	Apr. 07, 2022	Jul. 24, 2022	Radiation (03CH01-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 11, 2021	Apr. 07, 2022	Apr. 10, 2022	Radiation (03CH01-SZ)
LF Amplifier	Burgeon	BPA-530	102209	0.01~3000Mhz	Apr. 06, 2022	Apr. 07, 2022	Apr. 05, 2023	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P-R	1943528	1GHz~18GHz	Oct. 15, 2021	Apr. 07, 2022	Oct. 14, 2022	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 21, 2021	Apr. 07, 2022	Jul. 20, 2022	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Apr. 07, 2022	NCR	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Apr. 07, 2022	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Apr. 07, 2022	NCR	Radiation (03CH01-SZ)

NCR: No Calibration Required

6 Uncertainty of Evaluation

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.48dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.53dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.02dB
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Appendix A. Test Results of Conducted Test

Test Engineer :	Jung Kuo	Temperature :	22~23°C
		Relative Humidity :	45~51%

FR1 N77

Transmitter Conducted Output Power And EIRP, (GT-LC)=0dB

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
Band	(kHz)	(MHz)		(MHz)					(W)
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	25@12	22.99	22.99	0.1991
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	23	23	0.1995
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	22.99	22.99	0.1991
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	22.99	22.99	0.1991
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	22.96	22.96	0.1977
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	22.98	22.98	0.1986
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	22.06	22.06	0.1607
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	21.99	21.99	0.1581
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	22.03	22.03	0.1596
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	20.51	20.51	0.1125
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	20.63	20.63	0.1156
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	20.62	20.62	0.1153
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	18.41	18.41	0.0693
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	18.18	18.18	0.0658
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	18.2	18.2	0.0661
77	30	20	630668	3460.02	CP-OFDM QPSK	25@12	21.5	21.5	0.1413
77	30	20	630668	3460.02	CP-OFDM QPSK	1@1	21.59	21.59	0.1442
77	30	20	630668	3460.02	CP-OFDM QPSK	1@49	21.54	21.54	0.1426
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	23.32	23.32	0.2148
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.19	23.19	0.2084
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	23.37	23.37	0.2173
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	23.33	23.33	0.2153
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.16	23.16	0.2070
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	23.34	23.34	0.2158
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	22.37	22.37	0.1726
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.18	22.18	0.1652

77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	22.32	22.32	0.1706
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	20.86	20.86	0.1219
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.81	20.81	0.1205
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	20.95	20.95	0.1245
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	18.74	18.74	0.0748
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.29	18.29	0.0675
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	18.47	18.47	0.0703
77	30	20	633334	3500.01	CP-OFDM QPSK	25@12	21.84	21.84	0.1528
77	30	20	633334	3500.01	CP-OFDM QPSK	1@1	21.76	21.76	0.1500
77	30	20	633334	3500.01	CP-OFDM QPSK	1@49	21.94	21.94	0.1563
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	25@12	23.33	23.33	0.2153
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	23.35	23.35	0.2163
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@49	23.2	23.2	0.2089
77	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	23.34	23.34	0.2158
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	23.32	23.32	0.2148
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	23.26	23.26	0.2118
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	25@12	22.72	22.72	0.1871
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	22.56	22.56	0.1803
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@49	22.5	22.5	0.1778
77	30	20	636000	3540	DFT-s-OFDM 64 QAM	25@12	21.15	21.15	0.1303
77	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	21.04	21.04	0.1271
77	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@49	21.04	21.04	0.1271
77	30	20	636000	3540	DFT-s-OFDM 256 QAM	25@12	19.08	19.08	0.0809
77	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	18.74	18.74	0.0748
77	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@49	18.71	18.71	0.0743
77	30	20	636000	3540	CP-OFDM QPSK	25@12	22.16	22.16	0.1644
77	30	20	636000	3540	CP-OFDM QPSK	1@1	22.18	22.18	0.1652
77	30	20	636000	3540	CP-OFDM QPSK	1@49	22.14	22.14	0.1637
77	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	36@18	23.1	23.1	0.2042
77	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	23.19	23.19	0.2084
77	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@76	23.07	23.07	0.2028

77	30	30	631000	3465	DFT-s-OFDM QPSK	36@18	23.1	23.1	0.2042
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	23.17	23.17	0.2075
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@76	23.11	23.11	0.2046
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	36@18	22.08	22.08	0.1614
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	22.37	22.37	0.1726
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@76	22.28	22.28	0.1690
77	30	30	631000	3465	DFT-s-OFDM 64 QAM	36@18	20.62	20.62	0.1153
77	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@1	20.77	20.77	0.1194
77	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@76	20.67	20.67	0.1167
77	30	30	631000	3465	DFT-s-OFDM 256 QAM	36@18	18.56	18.56	0.0718
77	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@1	18.35	18.35	0.0684
77	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@76	18.22	18.22	0.0664
77	30	30	631000	3465	CP-OFDM QPSK	39@19	21.59	21.59	0.1442
77	30	30	631000	3465	CP-OFDM QPSK	1@1	21.76	21.76	0.1500
77	30	30	631000	3465	CP-OFDM QPSK	1@76	21.52	21.52	0.1419
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	23.32	23.32	0.2148
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.22	23.22	0.2099
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@76	23.41	23.41	0.2193
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	23.31	23.31	0.2143
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.2	23.2	0.2089
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	23.4	23.4	0.2188
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	22.29	22.29	0.1694
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.29	22.29	0.1694
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	22.44	22.44	0.1754
77	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	20.85	20.85	0.1216
77	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.74	20.74	0.1186
77	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@76	20.93	20.93	0.1239
77	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	18.81	18.81	0.0760
77	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.4	18.4	0.0692
77	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@76	18.58	18.58	0.0721
77	30	30	633334	3500.01	CP-OFDM QPSK	39@19	21.81	21.81	0.1517

77	30	30	633334	3500.01	CP-OFDM QPSK	1@1	21.82	21.82	0.1521
77	30	30	633334	3500.01	CP-OFDM QPSK	1@76	21.87	21.87	0.1538
77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	36@18	23.22	23.22	0.2099
77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	23.36	23.36	0.2168
77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@76	23.32	23.32	0.2148
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	23.34	23.34	0.2158
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	23.22	23.22	0.2099
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	23.29	23.29	0.2133
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	22.65	22.65	0.1841
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	22.86	22.86	0.1932
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	22.75	22.75	0.1884
77	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	36@18	21.14	21.14	0.1300
77	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	21.25	21.25	0.1334
77	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@76	21.16	21.16	0.1306
77	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	36@18	19.06	19.06	0.0805
77	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	18.75	18.75	0.0750
77	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@76	18.69	18.69	0.0740
77	30	30	635666	3534.99	CP-OFDM QPSK	39@19	22.14	22.14	0.1637
77	30	30	635666	3534.99	CP-OFDM QPSK	1@1	22.2	22.2	0.1660
77	30	30	635666	3534.99	CP-OFDM QPSK	1@76	22.07	22.07	0.1611
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	23.16	23.16	0.2070
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	23.21	23.21	0.2094
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	23.23	23.23	0.2104
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	23.09	23.09	0.2037
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	23.22	23.22	0.2099
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	23.22	23.22	0.2099
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	22.13	22.13	0.1633
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	22.17	22.17	0.1648
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	22.19	22.19	0.1656
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	20.66	20.66	0.1164
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	20.75	20.75	0.1189

77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	20.85	20.85	0.1216
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	18.57	18.57	0.0719
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	18.32	18.32	0.0679
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	18.43	18.43	0.0697
77	30	40	631334	3470.01	CP-OFDM QPSK	53@26	21.63	21.63	0.1455
77	30	40	631334	3470.01	CP-OFDM QPSK	1@1	21.76	21.76	0.1500
77	30	40	631334	3470.01	CP-OFDM QPSK	1@104	21.83	21.83	0.1524
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	23.39	23.39	0.2183
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.25	23.25	0.2113
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	23.34	23.34	0.2158
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	23.25	23.25	0.2113
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.26	23.26	0.2118
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	23.36	23.36	0.2168
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	22.4	22.4	0.1738
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.32	22.32	0.1706
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	22.69	22.69	0.1858
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	20.95	20.95	0.1245
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.7	20.7	0.1175
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	21.09	21.09	0.1285
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	18.87	18.87	0.0771
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.44	18.44	0.0698
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	18.83	18.83	0.0764
77	30	40	633334	3500.01	CP-OFDM QPSK	53@26	21.94	21.94	0.1563
77	30	40	633334	3500.01	CP-OFDM QPSK	1@1	21.9	21.9	0.1549
77	30	40	633334	3500.01	CP-OFDM QPSK	1@104	22.06	22.06	0.1607
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	23.33	23.33	0.2153
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	23.25	23.25	0.2113
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	23.36	23.36	0.2168
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	23.32	23.32	0.2148
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	23.34	23.34	0.2158
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	23.25	23.25	0.2113

77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	22.64	22.64	0.1837
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	22.54	22.54	0.1795
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	22.7	22.7	0.1862
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	21.16	21.16	0.1306
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	20.98	20.98	0.1253
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	21.11	21.11	0.1291
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	19.09	19.09	0.0811
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	18.72	18.72	0.0745
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	18.78	18.78	0.0755
77	30	40	635332	3529.98	CP-OFDM QPSK	53@26	22.11	22.11	0.1626
77	30	40	635332	3529.98	CP-OFDM QPSK	1@1	22.1	22.1	0.1622
77	30	40	635332	3529.98	CP-OFDM QPSK	1@104	22.17	22.17	0.1648
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	81@40	23.02	23.02	0.2004
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	22.89	22.89	0.1945
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@160	23.2	23.2	0.2089
77	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	23.07	23.07	0.2028
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	22.88	22.88	0.1941
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	23.18	23.18	0.2080
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	81@40	22.03	22.03	0.1596
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	21.92	21.92	0.1556
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@160	22.15	22.15	0.1641
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	81@40	20.55	20.55	0.1135
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@1	20.56	20.56	0.1138
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@160	20.79	20.79	0.1199
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	81@40	18.54	18.54	0.0714
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@1	18.12	18.12	0.0649
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@160	18.36	18.36	0.0685
77	30	60	632000	3480	CP-OFDM QPSK	81@40	21.55	21.55	0.1429
77	30	60	632000	3480	CP-OFDM QPSK	1@1	21.48	21.48	0.1406
77	30	60	632000	3480	CP-OFDM QPSK	1@160	21.71	21.71	0.1483
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	81@40	23.21	23.21	0.2094

77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.93	22.93	0.1963
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	23.21	23.21	0.2094
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	23.24	23.24	0.2109
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.9	22.9	0.1950
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	23.18	23.18	0.2080
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	22.19	22.19	0.1656
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.94	21.94	0.1563
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	22.17	22.17	0.1648
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	20.74	20.74	0.1186
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.48	20.48	0.1117
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	20.77	20.77	0.1194
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	18.68	18.68	0.0738
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	18.08	18.08	0.0643
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	18.38	18.38	0.0689
77	30	60	633334	3500.01	CP-OFDM QPSK	81@40	21.74	21.74	0.1493
77	30	60	633334	3500.01	CP-OFDM QPSK	1@1	21.49	21.49	0.1409
77	30	60	633334	3500.01	CP-OFDM QPSK	1@160	21.79	21.79	0.1510
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	23.31	23.31	0.2143
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	23.1	23.1	0.2042
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	23.3	23.3	0.2138
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	23.35	23.35	0.2163
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	23.12	23.12	0.2051
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	23.28	23.28	0.2128
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	22.31	22.31	0.1702
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	22.21	22.21	0.1663
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	22.35	22.35	0.1718
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	20.88	20.88	0.1225
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	20.73	20.73	0.1183
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	20.82	20.82	0.1208
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	18.82	18.82	0.0762
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	18.21	18.21	0.0662

77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	18.46	18.46	0.0701
77	30	60	634666	3519.99	CP-OFDM QPSK	81@40	21.87	21.87	0.1538
77	30	60	634666	3519.99	CP-OFDM QPSK	1@1	21.69	21.69	0.1476
77	30	60	634666	3519.99	CP-OFDM QPSK	1@160	21.77	21.77	0.1503
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	22.89	22.89	0.1945
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	22.71	22.71	0.1866
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	23.01	23.01	0.2000
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	22.93	22.93	0.1963
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	22.7	22.7	0.1862
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	23	23	0.1995
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	21.84	21.84	0.1528
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	21.73	21.73	0.1489
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	22.07	22.07	0.1611
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	20.35	20.35	0.1084
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	20.17	20.17	0.1040
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	20.44	20.44	0.1107
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	18.41	18.41	0.0693
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	17.91	17.91	0.0618
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	18.25	18.25	0.0668
77	30	80	632668	3490.02	CP-OFDM QPSK	109@54	21.42	21.42	0.1387
77	30	80	632668	3490.02	CP-OFDM QPSK	1@1	21.31	21.31	0.1352
77	30	80	632668	3490.02	CP-OFDM QPSK	1@215	21.59	21.59	0.1442
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	23.03	23.03	0.2009
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.71	22.71	0.1866
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	23.11	23.11	0.2046
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	22.92	22.92	0.1959
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.69	22.69	0.1858
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	23.08	23.08	0.2032
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	21.96	21.96	0.1570
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.68	21.68	0.1472
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	22.03	22.03	0.1596

77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	20.44	20.44	0.1107
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.34	20.34	0.1081
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	20.53	20.53	0.1130
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	18.4	18.4	0.0692
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.95	17.95	0.0624
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	18.24	18.24	0.0667
77	30	80	633334	3500.01	CP-OFDM QPSK	109@54	21.43	21.43	0.1390
77	30	80	633334	3500.01	CP-OFDM QPSK	1@1	21.34	21.34	0.1361
77	30	80	633334	3500.01	CP-OFDM QPSK	1@215	21.65	21.65	0.1462
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	108@54	23.04	23.04	0.2014
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	22.78	22.78	0.1897
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@215	23.08	23.08	0.2032
77	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	23.09	23.09	0.2037
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	22.78	22.78	0.1897
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	23.14	23.14	0.2061
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	108@54	22.09	22.09	0.1618
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	21.74	21.74	0.1493
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@215	22.01	22.01	0.1589
77	30	80	634000	3510	DFT-s-OFDM 64 QAM	108@54	20.59	20.59	0.1146
77	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@1	20.13	20.13	0.1030
77	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@215	20.51	20.51	0.1125
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	108@54	18.55	18.55	0.0716
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@1	18.04	18.04	0.0637
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@215	18.33	18.33	0.0681
77	30	80	634000	3510	CP-OFDM QPSK	109@54	21.58	21.58	0.1439
77	30	80	634000	3510	CP-OFDM QPSK	1@1	21.39	21.39	0.1377
77	30	80	634000	3510	CP-OFDM QPSK	1@215	21.64	21.64	0.1459
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	22.95	22.95	0.1972
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	22.77	22.77	0.1892
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	23.17	23.17	0.2075
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	22.95	22.95	0.1972

77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.72	22.72	0.1871
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	23.11	23.11	0.2046
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	21.96	21.96	0.1570
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	21.76	21.76	0.1500
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	22.17	22.17	0.1648
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	20.46	20.46	0.1112
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	20.2	20.2	0.1047
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	20.59	20.59	0.1146
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	18.43	18.43	0.0697
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.97	17.97	0.0627
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	18.36	18.36	0.0685
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	21.46	21.46	0.1400
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	21.43	21.43	0.1390
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	21.69	21.69	0.1476

FR1 N78

Transmitter Conducted Output Power And EIRP, (GT-LC)=0dB

NR	SCS	Bandwidth	Arfcn	Freq	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
Band	(kHz)	(MHz)		(MHz)					
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	25@12	24.2	24.2	0.2630
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	24.21	24.21	0.2636
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	24.2	24.2	0.2630
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	24.2	24.2	0.2630
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	24.16	24.16	0.2606
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	24.18	24.18	0.2618
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	23.33	23.33	0.2153
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	23.02	23.02	0.2004
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	23.03	23.03	0.2009
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	21.85	21.85	0.1531
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	21.72	21.72	0.1486
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	21.54	21.54	0.1426
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	19.71	19.71	0.0935
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	19.83	19.83	0.0962
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	19.88	19.88	0.0973
78	30	20	630668	3460.02	CP-OFDM QPSK	25@12	22.78	22.78	0.1897
78	30	20	630668	3460.02	CP-OFDM QPSK	1@1	22.88	22.88	0.1941
78	30	20	630668	3460.02	CP-OFDM QPSK	1@49	22.9	22.9	0.1950
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	24.25	24.25	0.2661
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.28	24.28	0.2679
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	24.22	24.22	0.2642
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	24.25	24.25	0.2661
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.24	24.24	0.2655
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	24.19	24.19	0.2624
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	23.38	23.38	0.2178

78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.29	23.29	0.2133
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	23.23	23.23	0.2104
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	21.9	21.9	0.1549
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.69	21.69	0.1476
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	21.67	21.67	0.1469
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	19.76	19.76	0.0946
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.89	19.89	0.0975
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	19.83	19.83	0.0962
78	30	20	633334	3500.01	CP-OFDM QPSK	25@12	22.89	22.89	0.1945
78	30	20	633334	3500.01	CP-OFDM QPSK	1@1	22.92	22.92	0.1959
78	30	20	633334	3500.01	CP-OFDM QPSK	1@49	22.87	22.87	0.1936
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	25@12	24.16	24.16	0.2606
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	24.24	24.24	0.2655
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@49	24.18	24.18	0.2618
78	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	24.2	24.2	0.2630
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	24.22	24.22	0.2642
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	24.03	24.03	0.2529
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	25@12	23.33	23.33	0.2153
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	23.09	23.09	0.2037
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@49	22.93	22.93	0.1963
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	25@12	21.83	21.83	0.1524
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	21.6	21.6	0.1445
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@49	21.38	21.38	0.1374
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	25@12	19.71	19.71	0.0935
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	19.87	19.87	0.0971
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@49	19.77	19.77	0.0948
78	30	20	636000	3540	CP-OFDM QPSK	25@12	22.76	22.76	0.1888
78	30	20	636000	3540	CP-OFDM QPSK	1@1	22.87	22.87	0.1936
78	30	20	636000	3540	CP-OFDM QPSK	1@49	22.78	22.78	0.1897
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	36@18	24.22	24.22	0.2642
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	24.22	24.22	0.2642

78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@76	24.25	24.25	0.2661
78	30	30	631000	3465	DFT-s-OFDM QPSK	36@18	24.2	24.2	0.2630
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	24.19	24.19	0.2624
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@76	24.19	24.19	0.2624
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	36@18	23.38	23.38	0.2178
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	23.13	23.13	0.2056
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@76	23.24	23.24	0.2109
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	36@18	21.82	21.82	0.1521
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@1	21.71	21.71	0.1483
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@76	21.61	21.61	0.1449
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	36@18	19.78	19.78	0.0951
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@1	19.87	19.87	0.0971
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@76	19.83	19.83	0.0962
78	30	30	631000	3465	CP-OFDM QPSK	39@19	22.83	22.83	0.1919
78	30	30	631000	3465	CP-OFDM QPSK	1@1	22.9	22.9	0.1950
78	30	30	631000	3465	CP-OFDM QPSK	1@76	22.84	22.84	0.1923
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	24.25	24.25	0.2661
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.29	24.29	0.2685
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@76	24.19	24.19	0.2624
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	24.28	24.28	0.2679
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.25	24.25	0.2661
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	24.19	24.19	0.2624
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	23.45	23.45	0.2213
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.3	23.3	0.2138
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	23.08	23.08	0.2032
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	21.93	21.93	0.1560
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.73	21.73	0.1489
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@76	21.6	21.6	0.1445
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	19.87	19.87	0.0971
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.96	19.96	0.0991
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@76	19.81	19.81	0.0957

78	30	30	633334	3500.01	CP-OFDM QPSK	39@19	22.9	22.9	0.1950
78	30	30	633334	3500.01	CP-OFDM QPSK	1@1	22.99	22.99	0.1991
78	30	30	633334	3500.01	CP-OFDM QPSK	1@76	22.79	22.79	0.1901
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	36@18	24.21	24.21	0.2636
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	24.33	24.33	0.2710
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@76	24.03	24.03	0.2529
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	24.23	24.23	0.2649
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	24.15	24.15	0.2600
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	24.03	24.03	0.2529
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	23.37	23.37	0.2173
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	23.09	23.09	0.2037
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	22.85	22.85	0.1928
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	36@18	21.86	21.86	0.1535
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	21.75	21.75	0.1496
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@76	21.51	21.51	0.1416
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	36@18	19.79	19.79	0.0953
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	19.99	19.99	0.0998
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@76	19.72	19.72	0.0938
78	30	30	635666	3534.99	CP-OFDM QPSK	39@19	22.8	22.8	0.1905
78	30	30	635666	3534.99	CP-OFDM QPSK	1@1	22.92	22.92	0.1959
78	30	30	635666	3534.99	CP-OFDM QPSK	1@76	22.64	22.64	0.1837
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	24.21	24.21	0.2636
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	24.31	24.31	0.2698
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	24.26	24.26	0.2667
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	24.26	24.26	0.2667
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	24.28	24.28	0.2679
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	24.25	24.25	0.2661
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	23.4	23.4	0.2188
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	23.19	23.19	0.2084
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	23.16	23.16	0.2070
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	21.89	21.89	0.1545

78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	21.68	21.68	0.1472
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	21.65	21.65	0.1462
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	19.83	19.83	0.0962
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	19.95	19.95	0.0989
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	19.91	19.91	0.0979
78	30	40	631334	3470.01	CP-OFDM QPSK	53@26	22.86	22.86	0.1932
78	30	40	631334	3470.01	CP-OFDM QPSK	1@1	22.93	22.93	0.1963
78	30	40	631334	3470.01	CP-OFDM QPSK	1@104	23	23	0.1995
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	24.26	24.26	0.2667
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.38	24.38	0.2742
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	24.29	24.29	0.2685
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	24.28	24.28	0.2679
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.33	24.33	0.2710
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	24.25	24.25	0.2661
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	23.41	23.41	0.2193
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.34	23.34	0.2158
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	23.22	23.22	0.2099
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	21.93	21.93	0.1560
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.76	21.76	0.1500
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	21.65	21.65	0.1462
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	20.03	20.03	0.1007
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.96	19.96	0.0991
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	19.89	19.89	0.0975
78	30	40	633334	3500.01	CP-OFDM QPSK	53@26	22.9	22.9	0.1950
78	30	40	633334	3500.01	CP-OFDM QPSK	1@1	23.01	23.01	0.2000
78	30	40	633334	3500.01	CP-OFDM QPSK	1@104	22.91	22.91	0.1954
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	24.22	24.22	0.2642
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	24.37	24.37	0.2735
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	24.09	24.09	0.2564
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	24.25	24.25	0.2661
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	24.31	24.31	0.2698

78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	24.05	24.05	0.2541
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	23.37	23.37	0.2173
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	23.38	23.38	0.2178
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	23.08	23.08	0.2032
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	21.88	21.88	0.1542
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	21.76	21.76	0.1500
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	21.48	21.48	0.1406
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	19.68	19.68	0.0929
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	20.02	20.02	0.1005
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	19.73	19.73	0.0940
78	30	40	635332	3529.98	CP-OFDM QPSK	53@26	22.84	22.84	0.1923
78	30	40	635332	3529.98	CP-OFDM QPSK	1@1	23.04	23.04	0.2014
78	30	40	635332	3529.98	CP-OFDM QPSK	1@104	22.69	22.69	0.1858
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	64@32	24.12	24.12	0.2582
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	24.01	24.01	0.2518
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	23.9	23.9	0.2455
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	24.04	24.04	0.2535
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	23.98	23.98	0.2500
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	23.93	23.93	0.2472
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	23.16	23.16	0.2070
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	22.86	22.86	0.1932
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	22.91	22.91	0.1954
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	21.63	21.63	0.1455
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	21.34	21.34	0.1361
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	21.36	21.36	0.1368
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	19.62	19.62	0.0916
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	19.65	19.65	0.0923
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	19.57	19.57	0.0906
78	30	50	631668	3475.02	CP-OFDM QPSK	67@33	22.66	22.66	0.1845
78	30	50	631668	3475.02	CP-OFDM QPSK	1@1	22.55	22.55	0.1799
78	30	50	631668	3475.02	CP-OFDM QPSK	1@131	22.55	22.55	0.1799

78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	24.02	24.02	0.2523
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.91	23.91	0.2460
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	23.87	23.87	0.2438
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	24.06	24.06	0.2547
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.93	23.93	0.2472
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	23.85	23.85	0.2427
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	23.22	23.22	0.2099
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.89	22.89	0.1945
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	22.9	22.9	0.1950
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	21.64	21.64	0.1459
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.28	21.28	0.1343
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	21.31	21.31	0.1352
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	19.62	19.62	0.0916
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.63	19.63	0.0918
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	19.5	19.5	0.0891
78	30	50	633334	3500.01	CP-OFDM QPSK	67@33	22.68	22.68	0.1854
78	30	50	633334	3500.01	CP-OFDM QPSK	1@1	22.59	22.59	0.1816
78	30	50	633334	3500.01	CP-OFDM QPSK	1@131	22.51	22.51	0.1782
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	64@32	23.96	23.96	0.2489
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	23.99	23.99	0.2506
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@131	23.78	23.78	0.2388
78	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	24	24	0.2512
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	23.93	23.93	0.2472
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	23.8	23.8	0.2399
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	64@32	23.15	23.15	0.2065
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	22.94	22.94	0.1968
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@131	22.65	22.65	0.1841
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	64@32	21.62	21.62	0.1452
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	21.25	21.25	0.1334
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@131	21.13	21.13	0.1297
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	64@32	19.56	19.56	0.0904

78	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	19.7	19.7	0.0933
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@131	19.47	19.47	0.0885
78	30	50	635000	3525	CP-OFDM QPSK	67@33	22.62	22.62	0.1828
78	30	50	635000	3525	CP-OFDM QPSK	1@1	22.64	22.64	0.1837
78	30	50	635000	3525	CP-OFDM QPSK	1@131	22.42	22.42	0.1746
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	81@40	24.14	24.14	0.2594
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	24.07	24.07	0.2553
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@160	23.89	23.89	0.2449
78	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	24.05	24.05	0.2541
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	23.91	23.91	0.2460
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	23.86	23.86	0.2432
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	81@40	23.15	23.15	0.2065
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	23.03	23.03	0.2009
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@160	22.8	22.8	0.1905
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	81@40	21.66	21.66	0.1466
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@1	21.36	21.36	0.1368
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@160	21.24	21.24	0.1330
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	81@40	19.63	19.63	0.0918
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@1	19.64	19.64	0.0920
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@160	19.53	19.53	0.0897
78	30	60	632000	3480	CP-OFDM QPSK	81@40	22.7	22.7	0.1862
78	30	60	632000	3480	CP-OFDM QPSK	1@1	22.64	22.64	0.1837
78	30	60	632000	3480	CP-OFDM QPSK	1@160	22.57	22.57	0.1807
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	81@40	24.01	24.01	0.2518
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.02	24.02	0.2523
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	23.82	23.82	0.2410
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	24.07	24.07	0.2553
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	24	24	0.2512
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	23.84	23.84	0.2421
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	23.16	23.16	0.2070
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.84	22.84	0.1923

78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	22.78	22.78	0.1897
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	21.62	21.62	0.1452
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.3	21.3	0.1349
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	21.04	21.04	0.1271
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	19.65	19.65	0.0923
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.67	19.67	0.0927
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	19.53	19.53	0.0897
78	30	60	633334	3500.01	CP-OFDM QPSK	81@40	22.64	22.64	0.1837
78	30	60	633334	3500.01	CP-OFDM QPSK	1@1	22.7	22.7	0.1862
78	30	60	633334	3500.01	CP-OFDM QPSK	1@160	22.52	22.52	0.1786
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	23.98	23.98	0.2500
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	24.07	24.07	0.2553
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	23.75	23.75	0.2371
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	24	24	0.2512
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	24.03	24.03	0.2529
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	23.73	23.73	0.2360
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	23.11	23.11	0.2046
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	22.89	22.89	0.1945
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	22.69	22.69	0.1858
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	21.59	21.59	0.1442
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	21.36	21.36	0.1368
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	20.97	20.97	0.1250
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	19.62	19.62	0.0916
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	19.78	19.78	0.0951
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	19.36	19.36	0.0863
78	30	60	634666	3519.99	CP-OFDM QPSK	81@40	22.6	22.6	0.1820
78	30	60	634666	3519.99	CP-OFDM QPSK	1@1	22.7	22.7	0.1862
78	30	60	634666	3519.99	CP-OFDM QPSK	1@160	22.44	22.44	0.1754
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	90@45	23.86	23.86	0.2432
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	23.95	23.95	0.2483
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@187	23.74	23.74	0.2366

78	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	22.23	22.23	0.1671
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	22.36	22.36	0.1722
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	23.04	23.04	0.2014
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	90@45	20.91	20.91	0.1233
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	21.06	21.06	0.1276
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@187	21.74	21.74	0.1493
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	90@45	19.25	19.25	0.0841
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@1	19.24	19.24	0.0839
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@187	19.96	19.96	0.0991
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	90@45	17.5	17.5	0.0562
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@1	17.75	17.75	0.0596
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@187	18.47	18.47	0.0703
78	30	70	632334	3485.01	CP-OFDM QPSK	95@47	22.71	22.71	0.1866
78	30	70	632334	3485.01	CP-OFDM QPSK	1@1	22.52	22.52	0.1786
78	30	70	632334	3485.01	CP-OFDM QPSK	1@187	22.37	22.37	0.1726
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	90@45	23.84	23.84	0.2421
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.95	23.95	0.2483
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@187	23.66	23.66	0.2323
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	22.29	22.29	0.1694
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	22.2	22.2	0.1660
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	22.91	22.91	0.1954
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	90@45	20.96	20.96	0.1247
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	20.95	20.95	0.1245
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@187	21.61	21.61	0.1449
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	90@45	19.3	19.3	0.0851
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	19.05	19.05	0.0804
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@187	19.81	19.81	0.0957
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	90@45	17.59	17.59	0.0574
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	17.65	17.65	0.0582
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@187	18.4	18.4	0.0692
78	30	70	633334	3500.01	CP-OFDM QPSK	95@47	22.45	22.45	0.1758

78	30	70	633334	3500.01	CP-OFDM QPSK	1@1	22.52	22.52	0.1786
78	30	70	633334	3500.01	CP-OFDM QPSK	1@187	22.3	22.3	0.1698
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	90@45	23.89	23.89	0.2449
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	23.93	23.93	0.2472
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@187	23.66	23.66	0.2323
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	90@45	22.26	22.26	0.1683
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	22.36	22.36	0.1722
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	22.84	22.84	0.1923
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	90@45	20.96	20.96	0.1247
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	20.95	20.95	0.1245
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@187	21.72	21.72	0.1486
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	90@45	19.35	19.35	0.0861
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@1	19.21	19.21	0.0834
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@187	19.71	19.71	0.0935
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	90@45	17.56	17.56	0.0570
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@1	17.81	17.81	0.0604
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@187	18.32	18.32	0.0679
78	30	70	634332	3514.98	CP-OFDM QPSK	95@47	22.69	22.69	0.1858
78	30	70	634332	3514.98	CP-OFDM QPSK	1@1	22.59	22.59	0.1816
78	30	70	634332	3514.98	CP-OFDM QPSK	1@187	22.23	22.23	0.1671
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	23.83	23.83	0.2415
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	23.87	23.87	0.2438
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	23.65	23.65	0.2317
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	23.86	23.86	0.2432
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	23.83	23.83	0.2415
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	23.65	23.65	0.2317
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	23.01	23.01	0.2000
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	22.75	22.75	0.1884
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	22.6	22.6	0.1820
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	21.51	21.51	0.1416
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	21.3	21.3	0.1349

78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	21.06	21.06	0.1276
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	19.46	19.46	0.0883
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	19.45	19.45	0.0881
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	19.32	19.32	0.0855
78	30	80	632668	3490.02	CP-OFDM QPSK	109@54	22.48	22.48	0.1770
78	30	80	632668	3490.02	CP-OFDM QPSK	1@1	22.51	22.51	0.1782
78	30	80	632668	3490.02	CP-OFDM QPSK	1@215	22.3	22.3	0.1698
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	23.85	23.85	0.2427
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.85	23.85	0.2427
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	23.62	23.62	0.2301
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	23.9	23.9	0.2455
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.78	23.78	0.2388
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	23.63	23.63	0.2307
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	23.01	23.01	0.2000
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.81	22.81	0.1910
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	22.61	22.61	0.1824
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	21.53	21.53	0.1422
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.13	21.13	0.1297
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	21.05	21.05	0.1274
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	19.7	19.7	0.0933
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.52	19.52	0.0895
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	19.28	19.28	0.0847
78	30	80	633334	3500.01	CP-OFDM QPSK	109@54	22.45	22.45	0.1758
78	30	80	633334	3500.01	CP-OFDM QPSK	1@1	22.51	22.51	0.1782
78	30	80	633334	3500.01	CP-OFDM QPSK	1@215	22.26	22.26	0.1683
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	108@54	23.89	23.89	0.2449
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	23.84	23.84	0.2421
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@215	23.62	23.62	0.2301
78	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	23.87	23.87	0.2438
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	23.82	23.82	0.2410
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	23.63	23.63	0.2307

78	30	80	634000	3510	DFT-s-OFDM 16 QAM	108@54	23	23	0.1995
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	22.87	22.87	0.1936
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@215	22.58	22.58	0.1811
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	108@54	21.54	21.54	0.1426
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@1	21.21	21.21	0.1321
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@215	21.01	21.01	0.1262
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	108@54	19.49	19.49	0.0889
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@1	19.54	19.54	0.0899
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@215	19.26	19.26	0.0843
78	30	80	634000	3510	CP-OFDM QPSK	109@54	22.5	22.5	0.1778
78	30	80	634000	3510	CP-OFDM QPSK	1@1	22.54	22.54	0.1795
78	30	80	634000	3510	CP-OFDM QPSK	1@215	22.25	22.25	0.1679
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	120@60	23.84	23.84	0.2421
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	23.85	23.85	0.2427
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@243	23.61	23.61	0.2296
78	30	90	633000	3495	DFT-s-OFDM QPSK	120@60	23.87	23.87	0.2438
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	23.74	23.74	0.2366
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@243	23.62	23.62	0.2301
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	120@60	23	23	0.1995
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	22.73	22.73	0.1875
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@243	22.41	22.41	0.1742
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	120@60	21.45	21.45	0.1396
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@1	21.22	21.22	0.1324
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@243	21.1	21.1	0.1288
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	120@60	19.45	19.45	0.0881
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@1	19.4	19.4	0.0871
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@243	19.24	19.24	0.0839
78	30	90	633000	3495	CP-OFDM QPSK	123@61	22.49	22.49	0.1774
78	30	90	633000	3495	CP-OFDM QPSK	1@1	22.43	22.43	0.1750
78	30	90	633000	3495	CP-OFDM QPSK	1@243	22.24	22.24	0.1675
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	120@60	23.86	23.86	0.2432

78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.79	23.79	0.2393
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@243	23.53	23.53	0.2254
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	23.87	23.87	0.2438
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.73	23.73	0.2360
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	23.52	23.52	0.2249
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	120@60	22.99	22.99	0.1991
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.72	22.72	0.1871
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@243	22.54	22.54	0.1795
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	120@60	21.49	21.49	0.1409
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.17	21.17	0.1309
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@243	20.99	20.99	0.1256
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	120@60	19.46	19.46	0.0883
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.44	19.44	0.0879
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@243	19.19	19.19	0.0830
78	30	90	633334	3500.01	CP-OFDM QPSK	123@61	22.5	22.5	0.1778
78	30	90	633334	3500.01	CP-OFDM QPSK	1@1	22.44	22.44	0.1754
78	30	90	633334	3500.01	CP-OFDM QPSK	1@243	22.26	22.26	0.1683
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	120@60	23.9	23.9	0.2455
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	23.85	23.85	0.2427
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@243	23.54	23.54	0.2259
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	23.93	23.93	0.2472
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	23.86	23.86	0.2432
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	23.54	23.54	0.2259
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	23.04	23.04	0.2014
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	22.73	22.73	0.1875
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	22.43	22.43	0.1750
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	120@60	21.52	21.52	0.1419
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@1	21.18	21.18	0.1312
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@243	20.95	20.95	0.1245
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	120@60	19.51	19.51	0.0893
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@1	19.48	19.48	0.0887

78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@243	19.29	19.29	0.0849
78	30	90	633666	3504.99	CP-OFDM QPSK	123@61	22.54	22.54	0.1795
78	30	90	633666	3504.99	CP-OFDM QPSK	1@1	22.48	22.48	0.1770
78	30	90	633666	3504.99	CP-OFDM QPSK	1@243	22.18	22.18	0.1652
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	23.9	23.9	0.2455
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	23.77	23.77	0.2382
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	23.54	23.54	0.2259
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	23.92	23.92	0.2466
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	23.75	23.75	0.2371
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	23.54	23.54	0.2259
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	22.98	22.98	0.1986
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	22.77	22.77	0.1892
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	22.6	22.6	0.1820
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	21.51	21.51	0.1416
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	21.26	21.26	0.1337
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	21	21	0.1259
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	19.47	19.47	0.0885
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	19.44	19.44	0.0879
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	19.2	19.2	0.0832
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	22.51	22.51	0.1782
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	22.4	22.4	0.1738
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	22.17	22.17	0.1648

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00579	PASS	NV
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00594	PASS	LV
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00647	PASS	HV
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00419	PASS	-30°C
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00502	PASS	-20°C
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00359	PASS	-10°C
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00344	PASS	0°C
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00483	PASS	10°C
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00491	PASS	20°C
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00419	PASS	30°C
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00334	PASS	40°C
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.00233	PASS	50°C

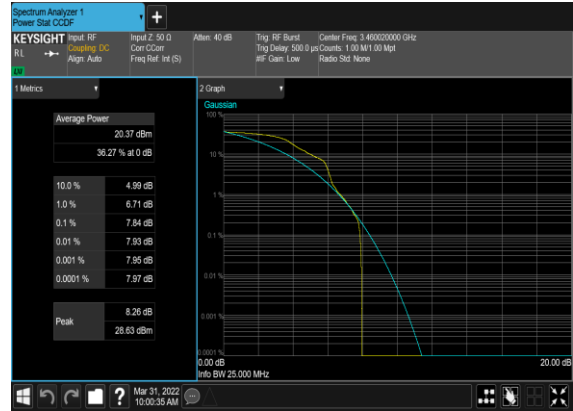
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	50@0	6.81	13	PASS
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@0	7.84	13	PASS
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	8.14	13	PASS
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	9.08	13	PASS
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	6.85	13	PASS
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	8.02	13	PASS
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	8.13	13	PASS
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	9.23	13	PASS
78	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	50@0	6.83	13	PASS
78	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@0	7.74	13	PASS
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	50@0	8.12	13	PASS
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	9.22	13	PASS

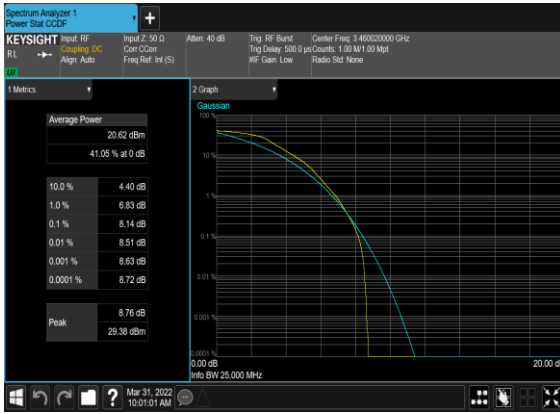
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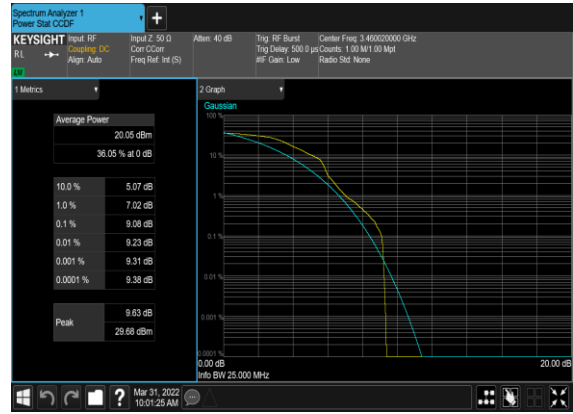
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



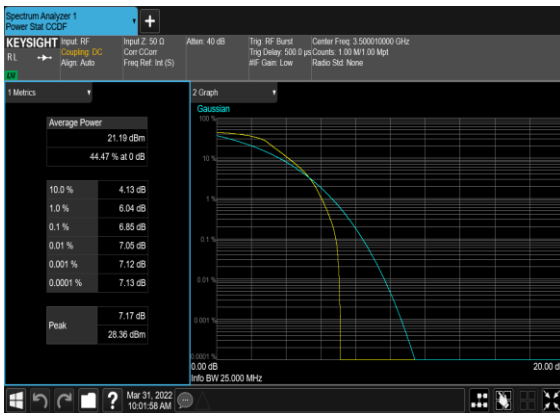
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



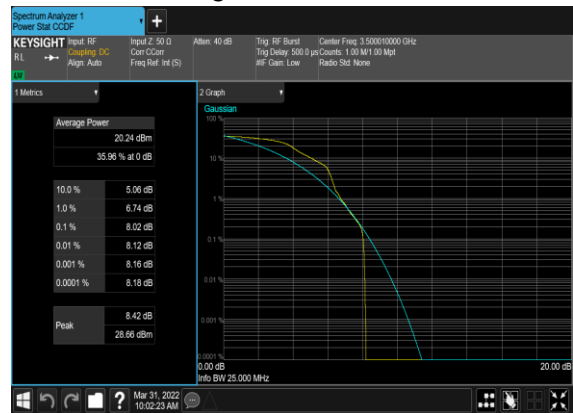
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



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



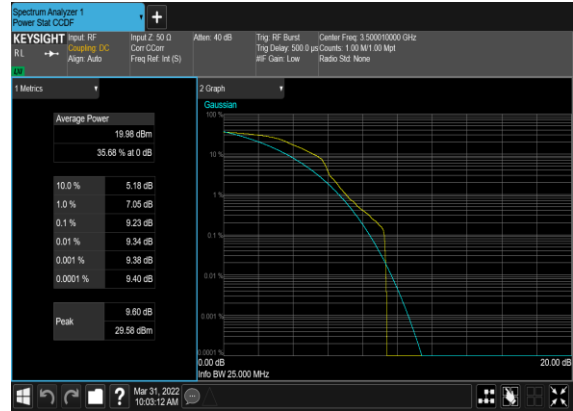
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



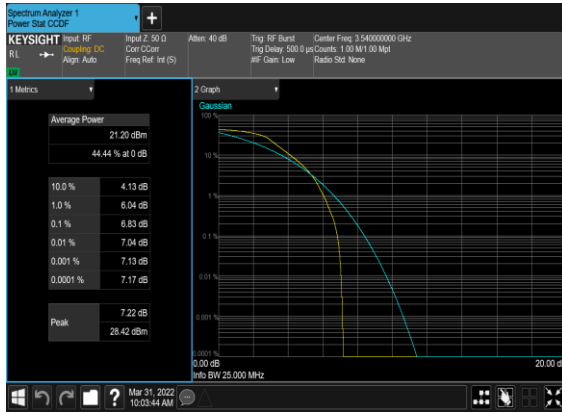
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



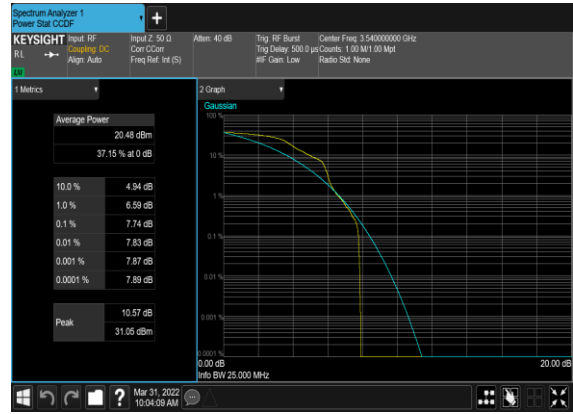
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



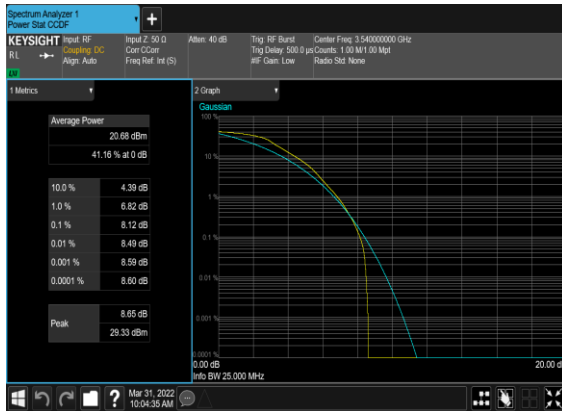
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



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



N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



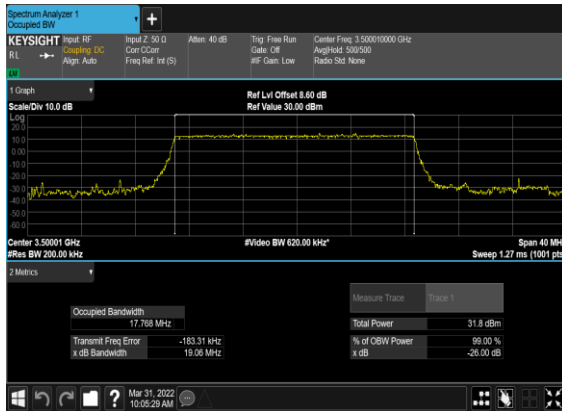
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	17.768	19.06
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	17.798	19.23
78	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.18	19.84
78	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.21	19.28
78	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.186	19.47
78	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.214	19.49
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	75@0	26.773	28.21
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	75@0	26.822	28.34
78	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.854	29.76
78	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.914	29.4
78	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.877	29.46
78	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.869	29.54
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	35.733	37.5
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	100@0	35.748	37.51
78	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.781	39.71
78	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.793	39.68
78	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.879	39.51
78	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.983	39.79
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	128@0	45.766	47.49
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	128@0	45.771	47.5
78	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.488	49.52
78	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.549	49.28
78	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.454	49.32
78	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.521	49.54

78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	162@0	57.899	60.1
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	162@0	57.865	59.89
78	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.732	60.22
78	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.911	59.93
78	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.831	60.08
78	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.805	59.93
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	180@0	64.904	115.4
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	180@0	64.776	127.3
78	30	70	633334	3500.01	CP-OFDM QPSK	189@0	68.865	140.0
78	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	69.421	140.0
78	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	68.499	138.3
78	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.937	121.7
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	216@0	77.203	79.78
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	216@0	77.156	79.72
78	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.545	80.2
78	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.398	80.38
78	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.547	80.1
78	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.612	80.01
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	240@0	85.644	88.6
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	240@0	85.694	88.58
78	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.482	90.5
78	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.43	90.41
78	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.677	90.42
78	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.477	90.25
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	96.717	99.54
78	30	100	633334	3500.01	DFT-s-OFDM	270@0	96.46	99.52

QPSK								
78	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.485	100.6
78	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.473	100.6
78	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.502	100.6
78	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.545	100.7

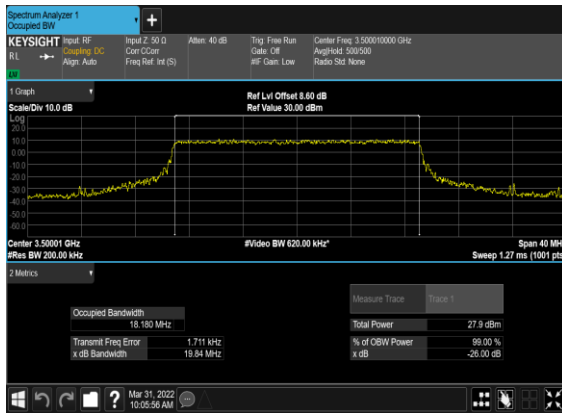
N78(20M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



N78(20M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



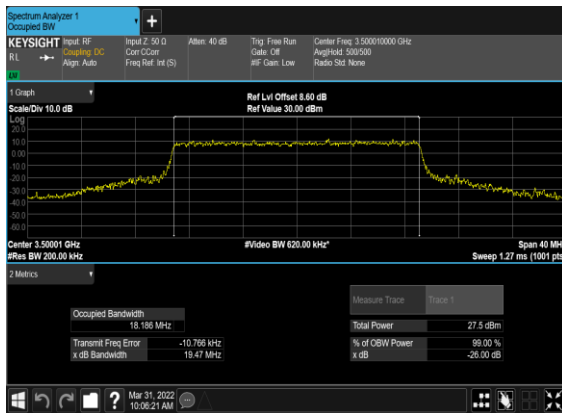
N78(20M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



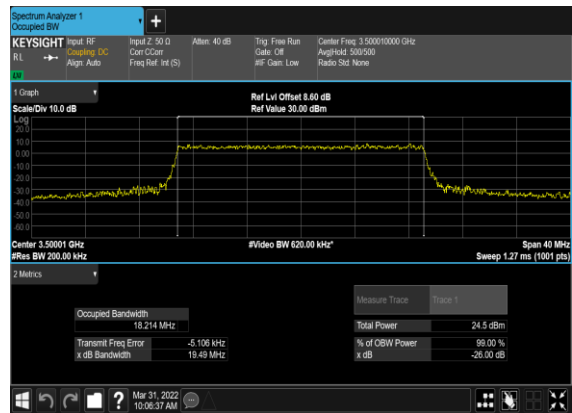
N78(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



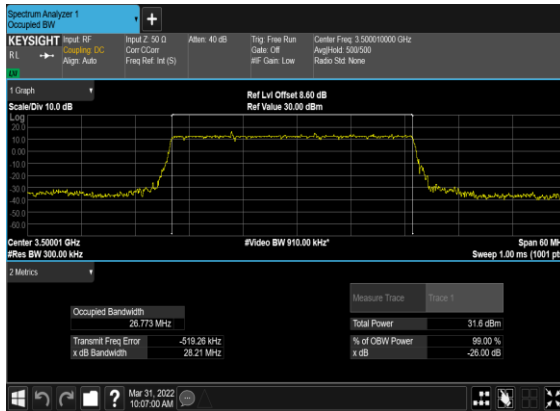
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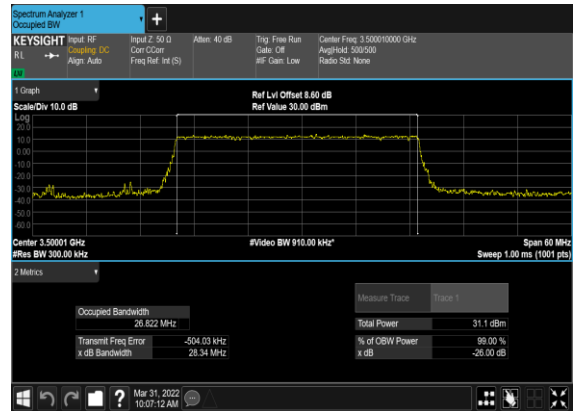
N78(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



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



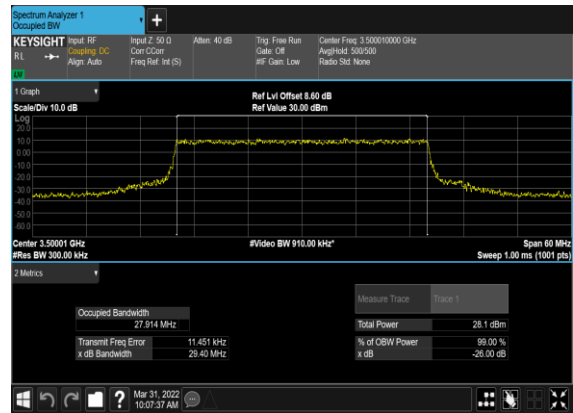
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OFDM_QPSK_Outer_Full_Mid_CH



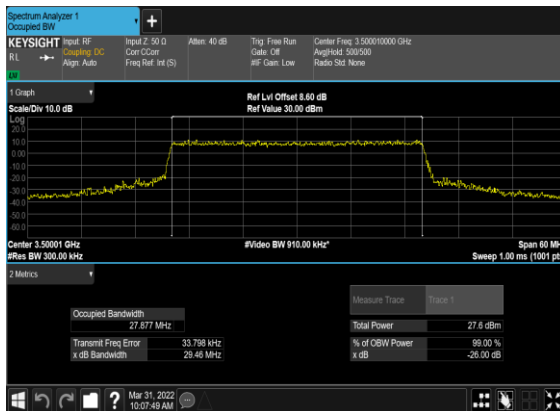
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OFDM_QPSK_Outer_Full_Mid_CH



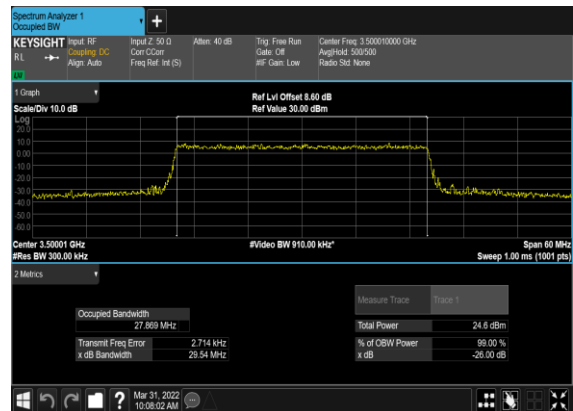
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QAM_Outer_Full_Mid_CH



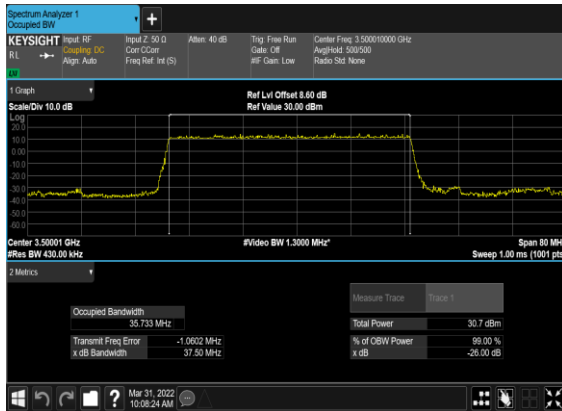
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QAM_Outer_Full_Mid_CH



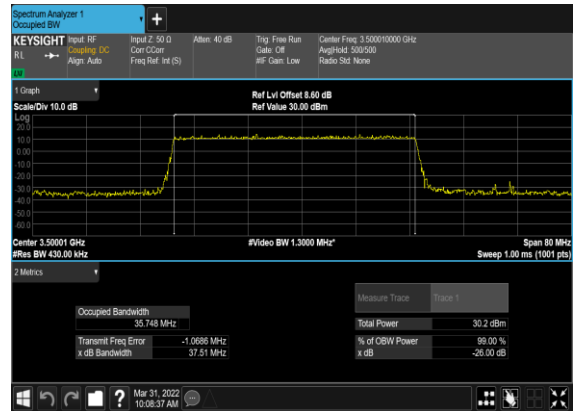
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QAM_Outer_Full_Mid_CH



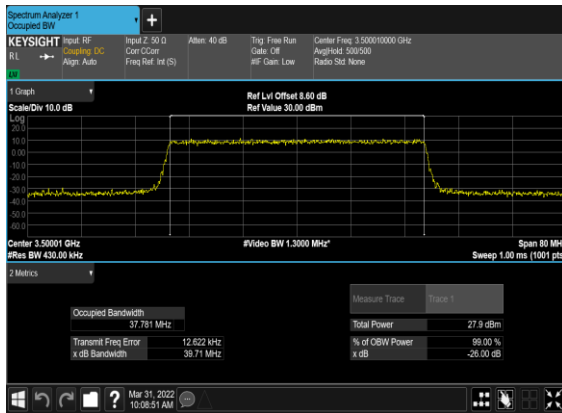
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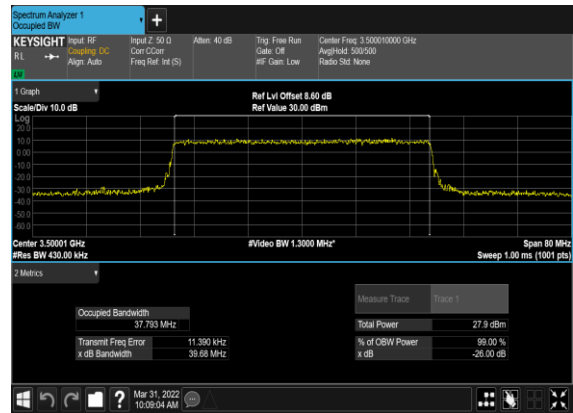
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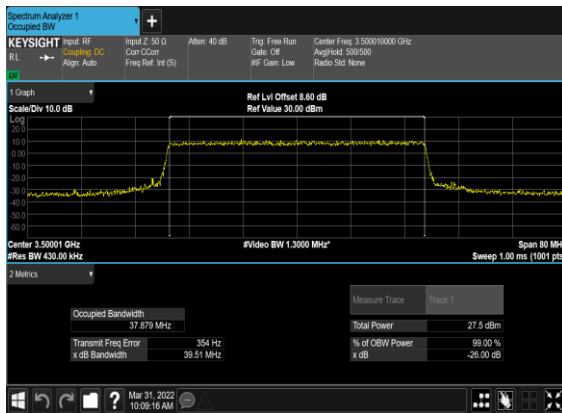
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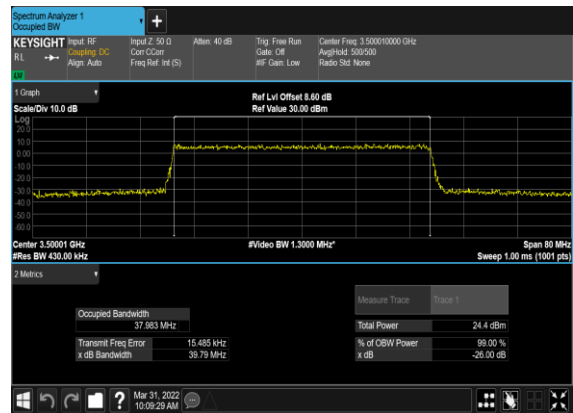
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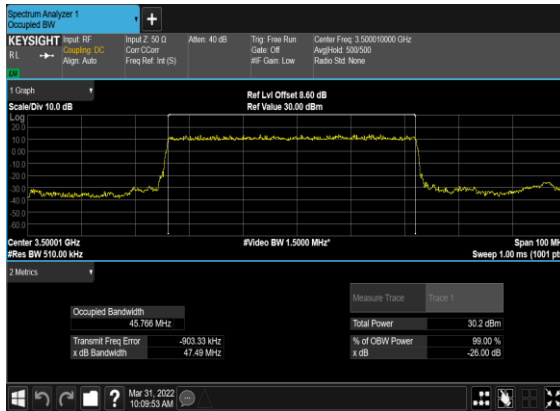
N78(40M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



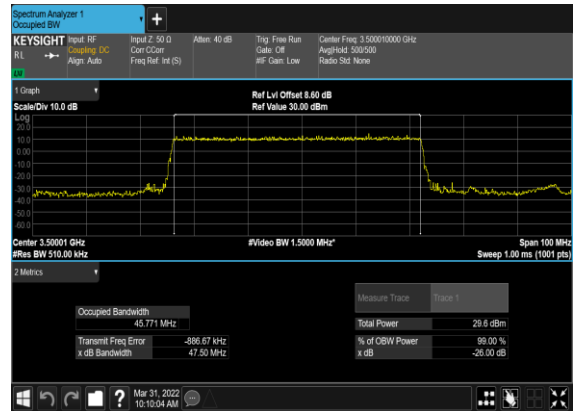
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N78(50M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



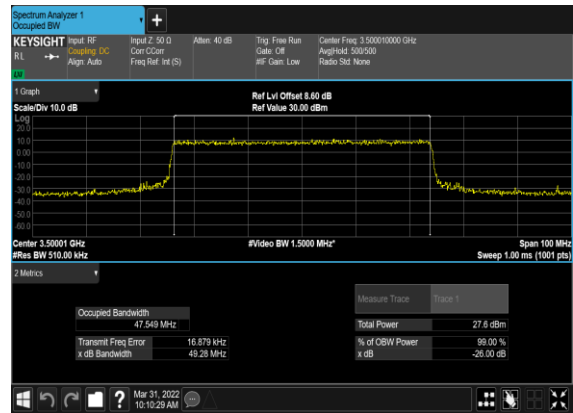
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OFDM_QPSK_Outer_Full_Mid_CH



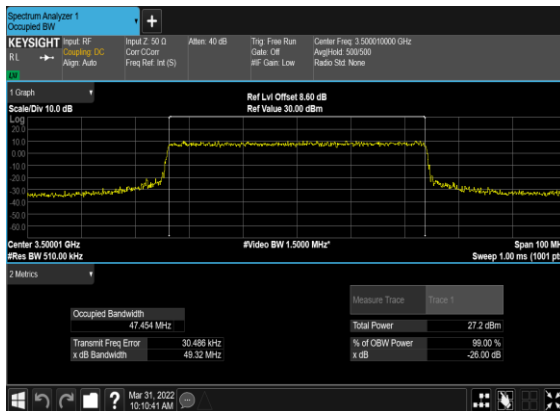
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OFDM_QPSK_Outer_Full_Mid_CH



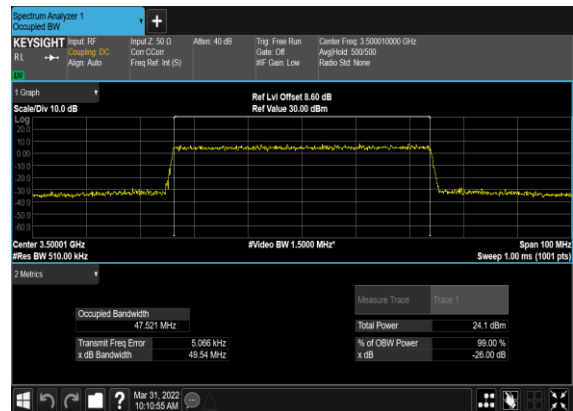
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QAM_Outer_Full_Mid_CH



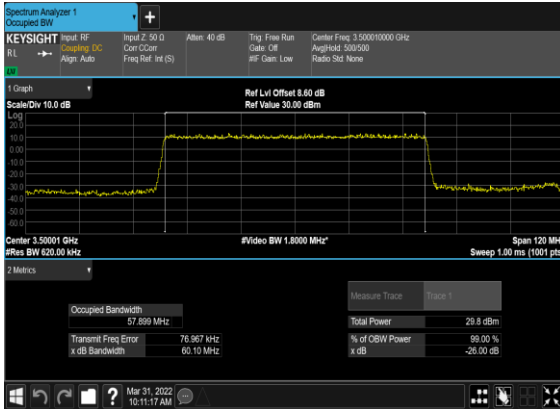
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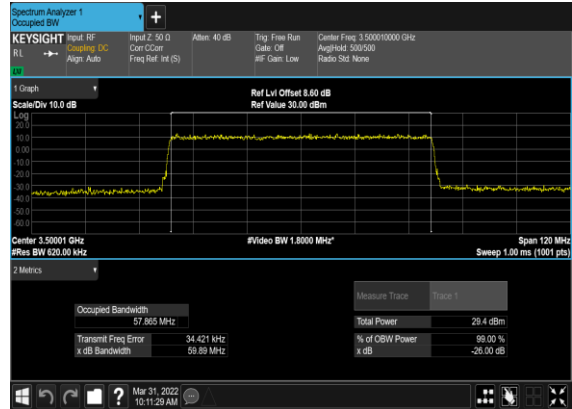
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QAM_Outer_Full_Mid_CH



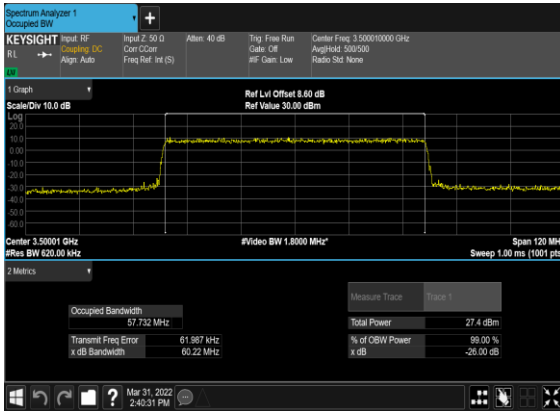
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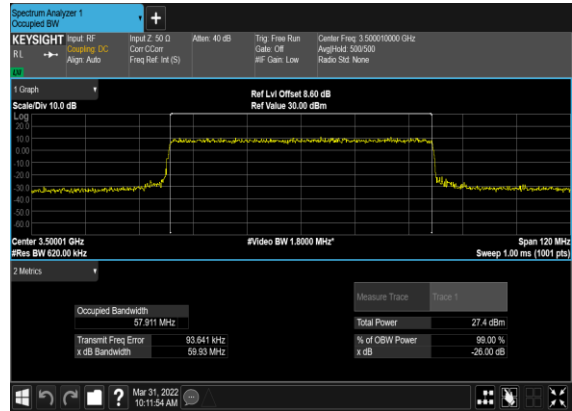
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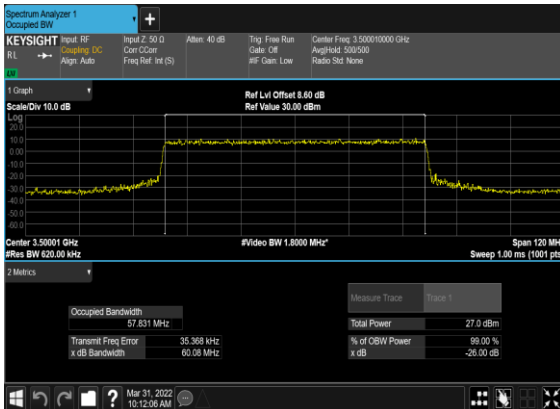
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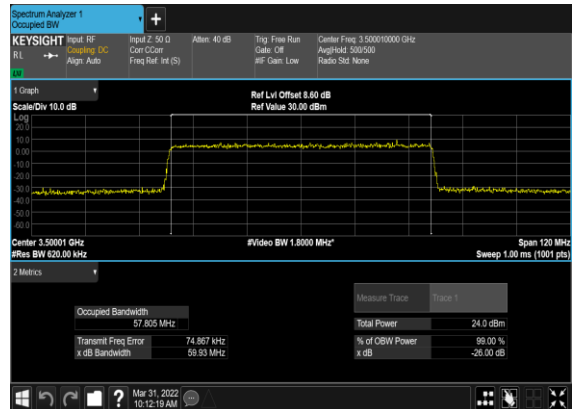
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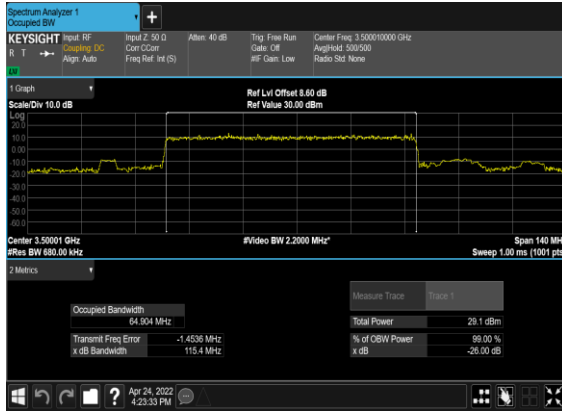
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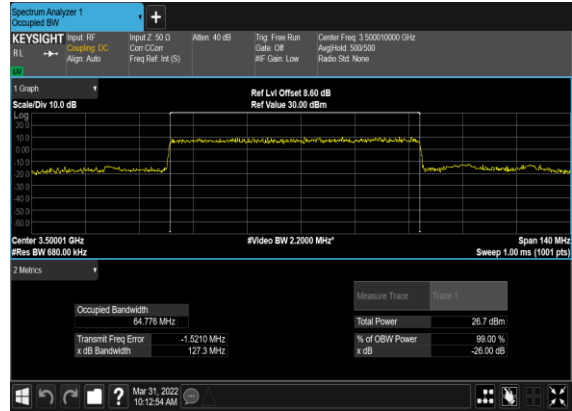
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N78(70M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



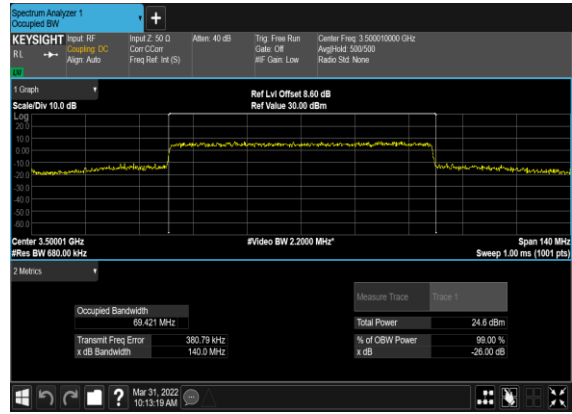
N78(70M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



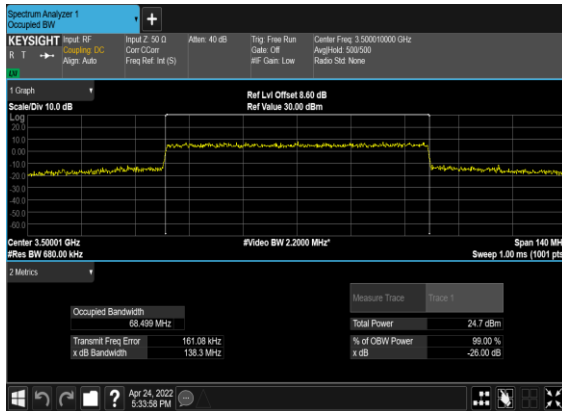
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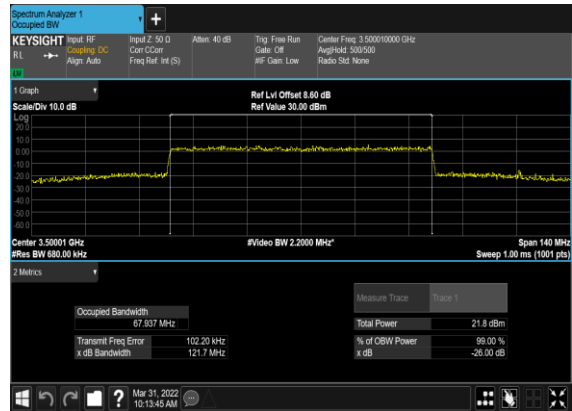
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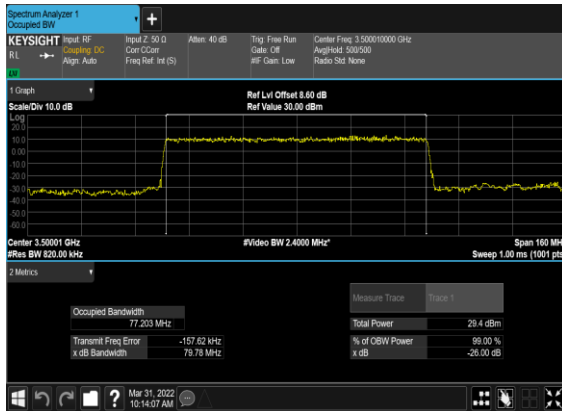
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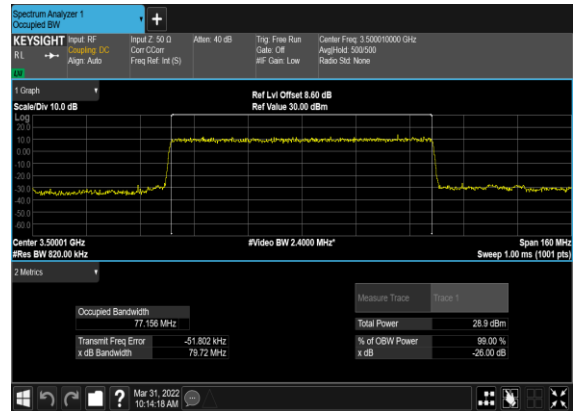
N78(70M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



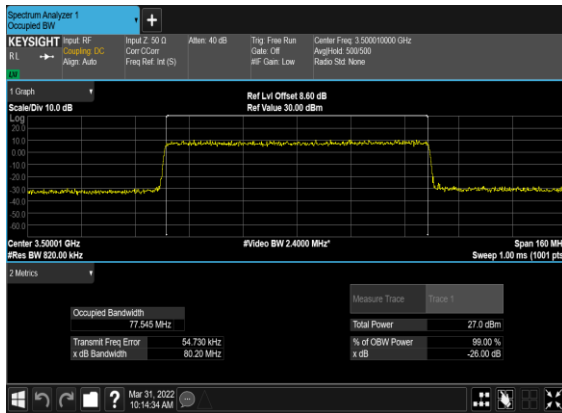
N78(80M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



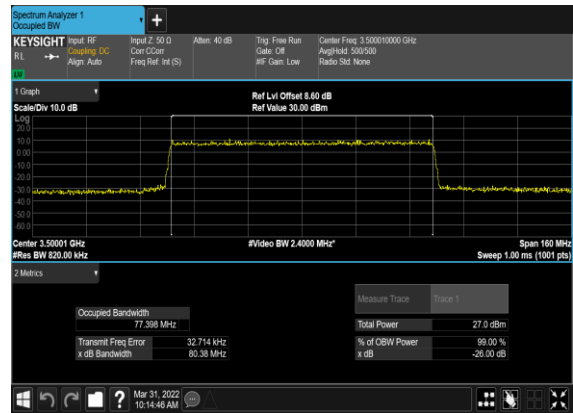
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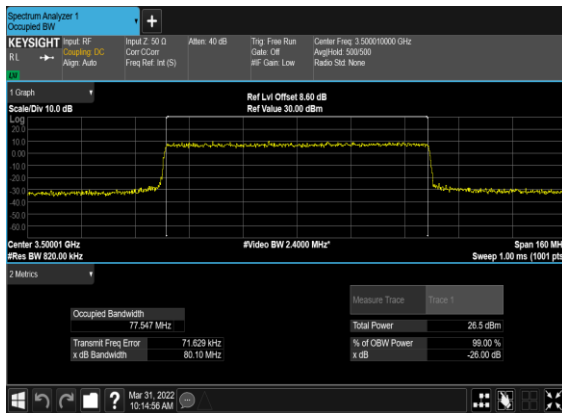
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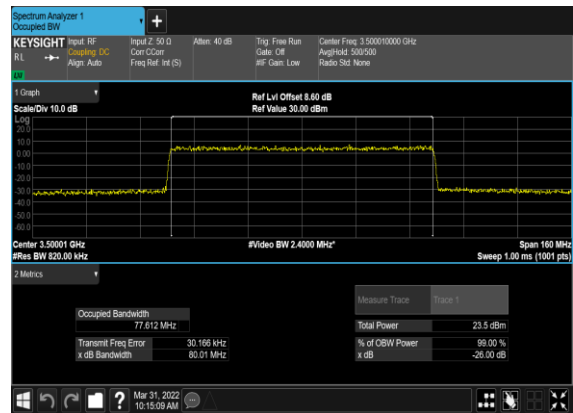
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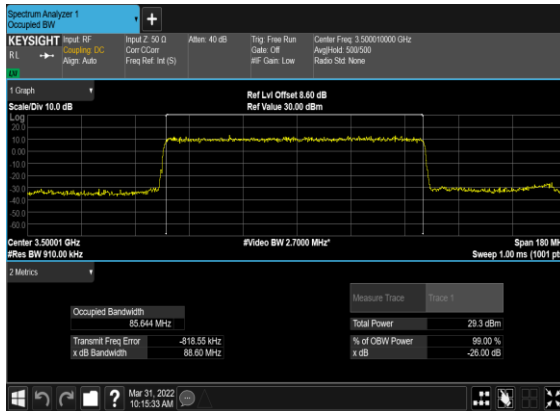
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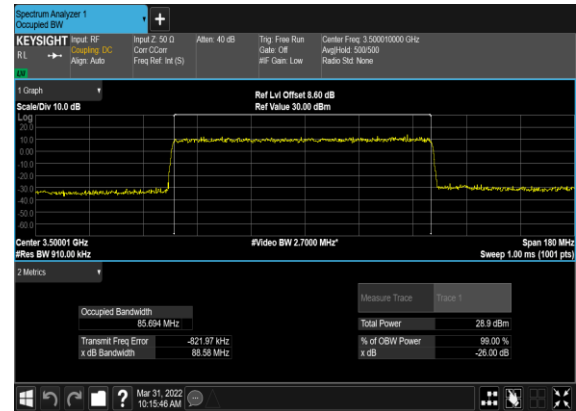
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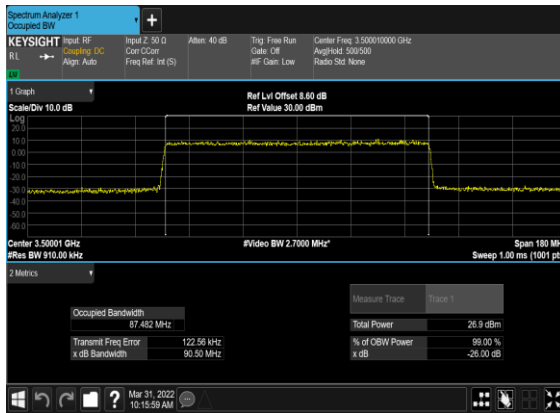
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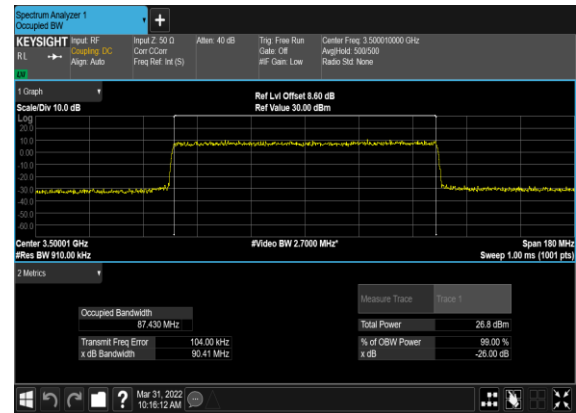
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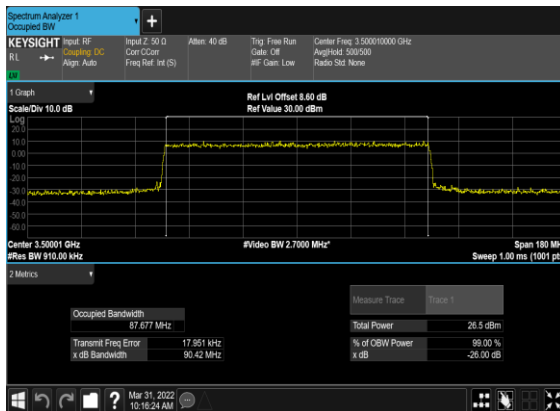
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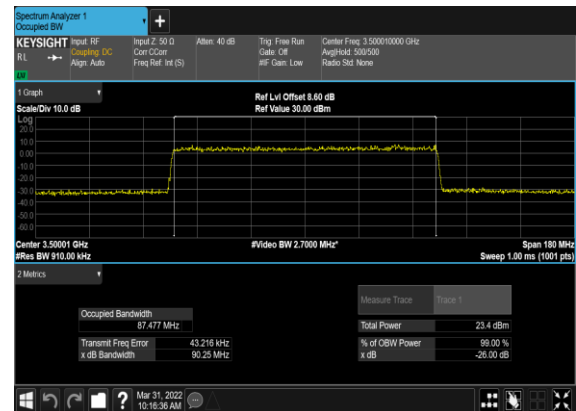
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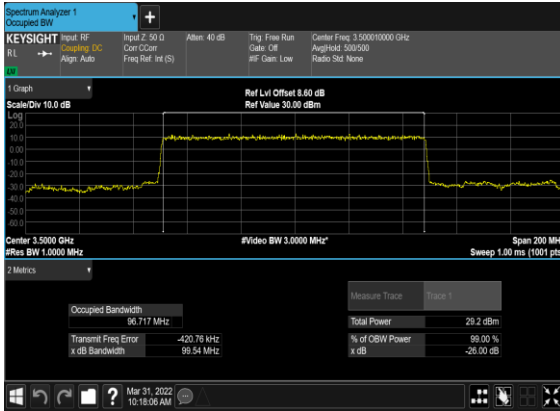
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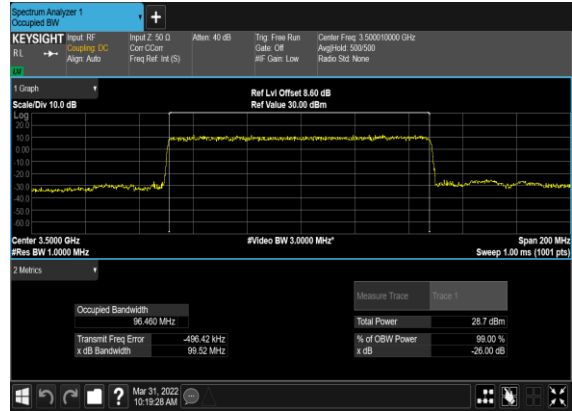
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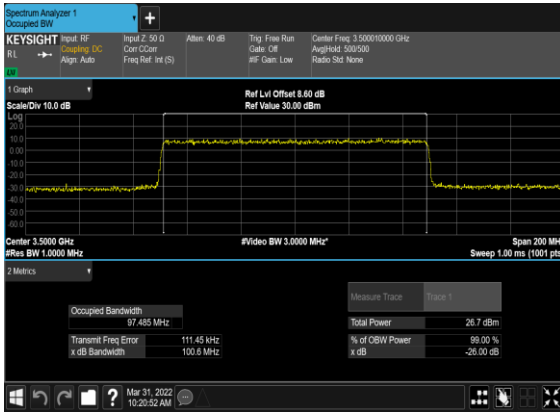
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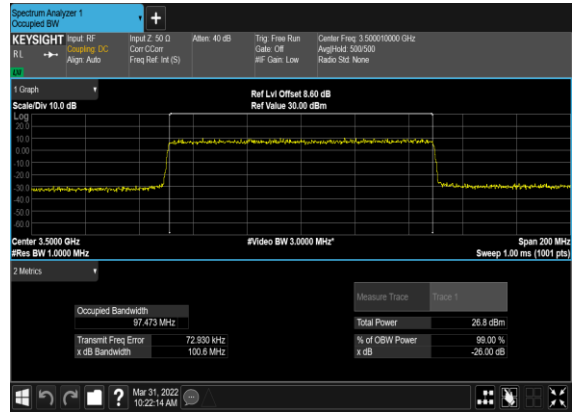
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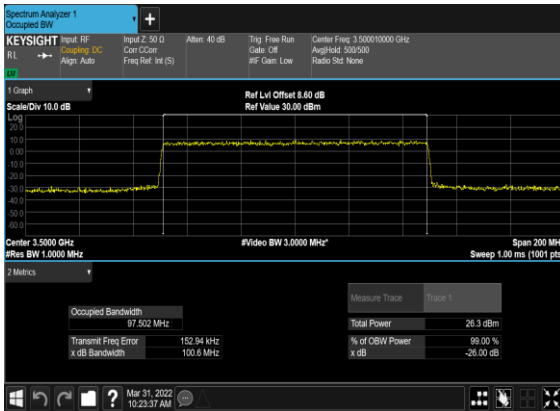
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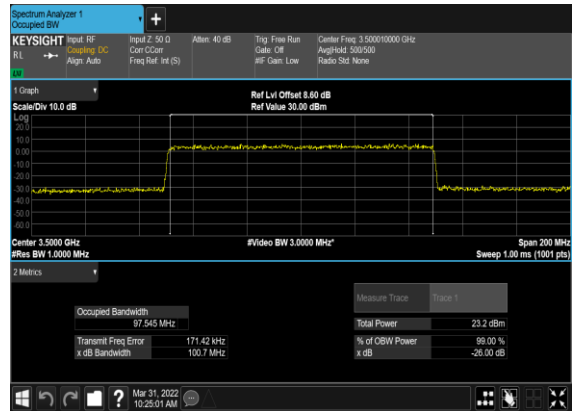
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N78(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N78(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

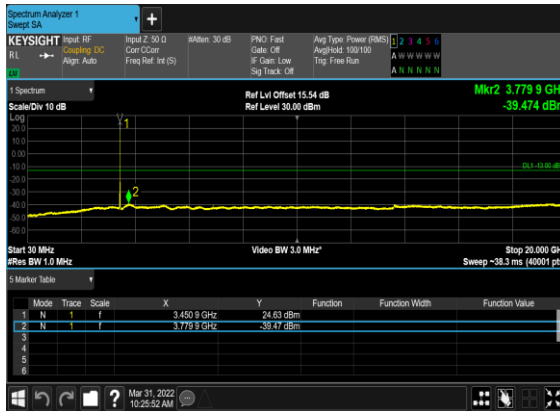


Conducted Spurious Emissions

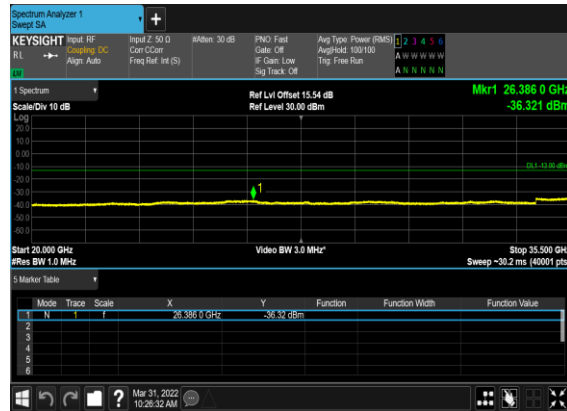
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	see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

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

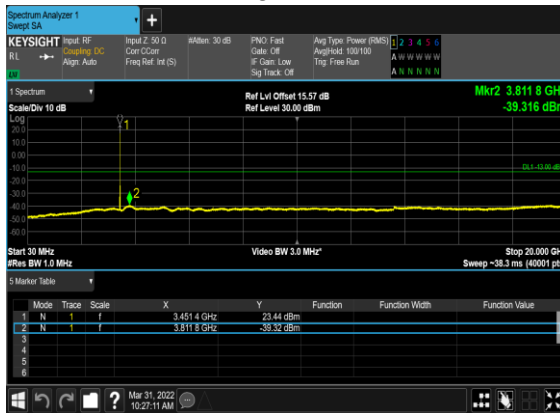
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



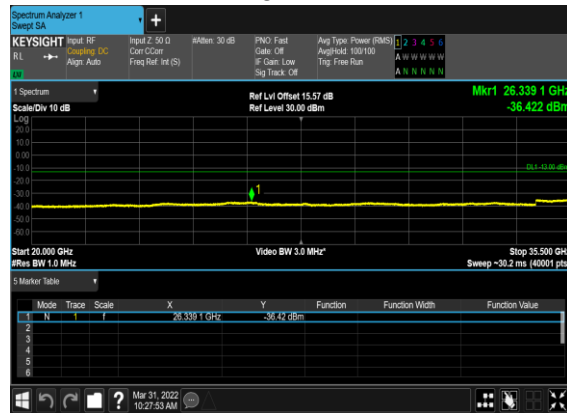
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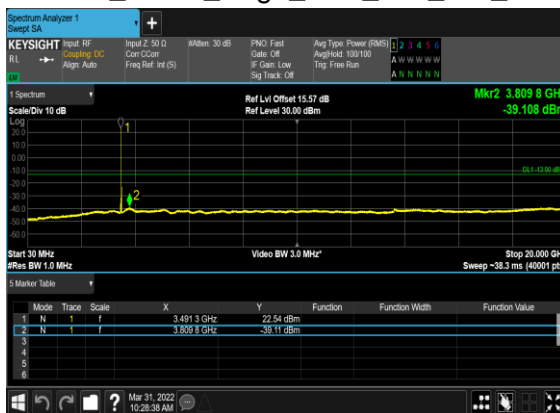
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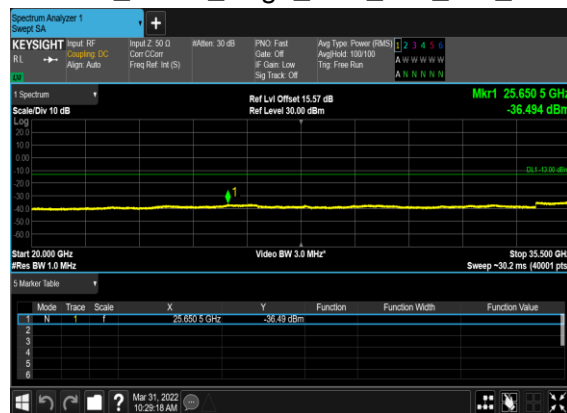
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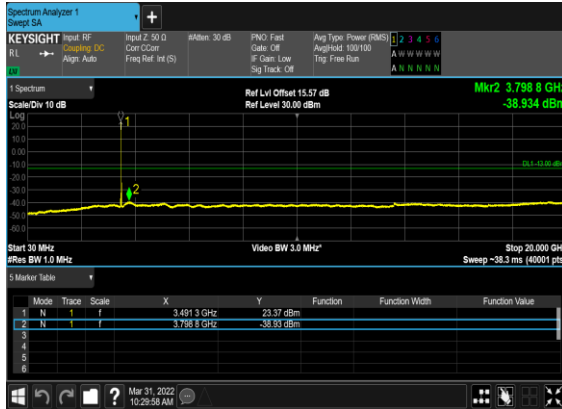
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



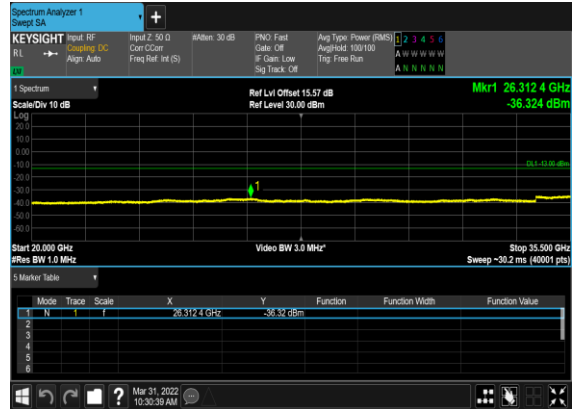
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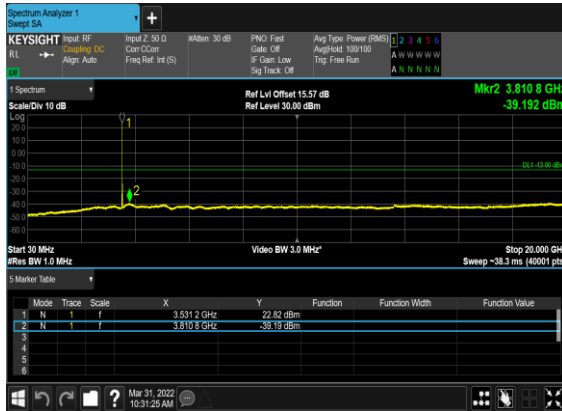
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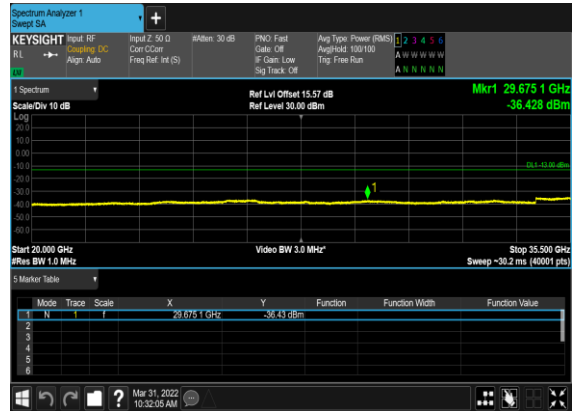
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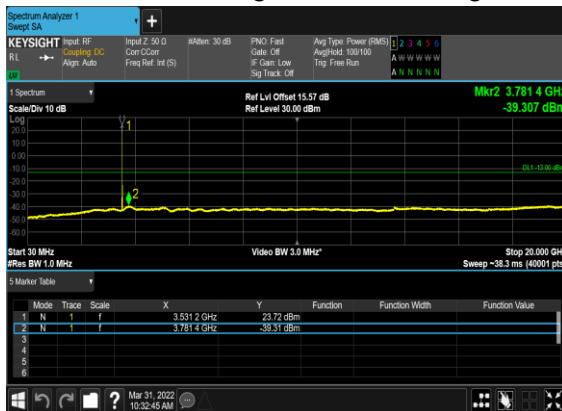
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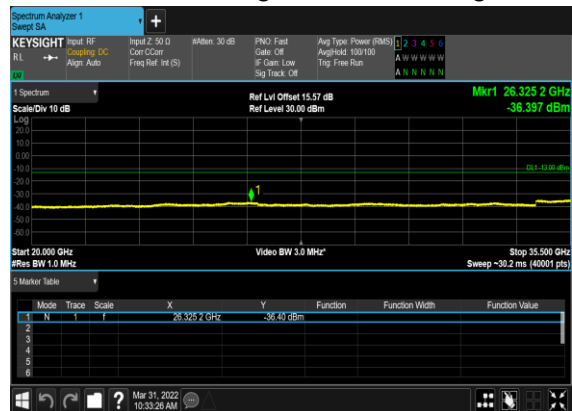
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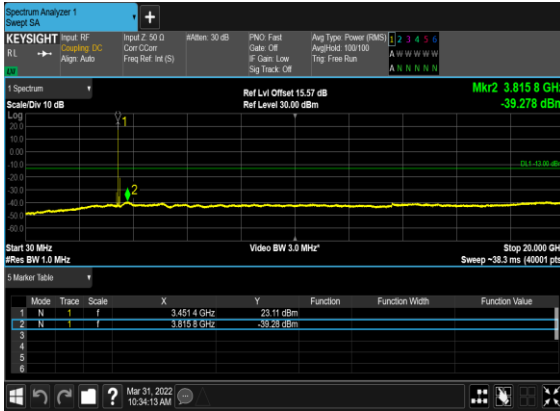
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



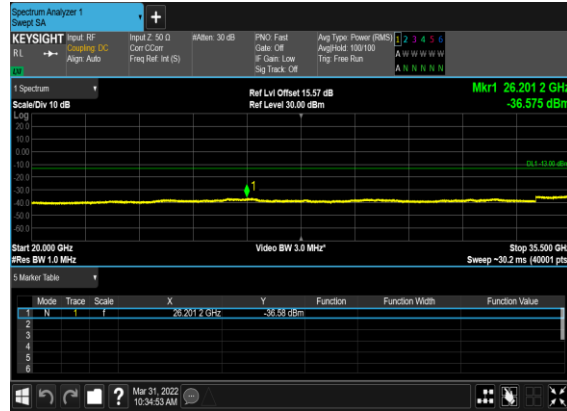
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



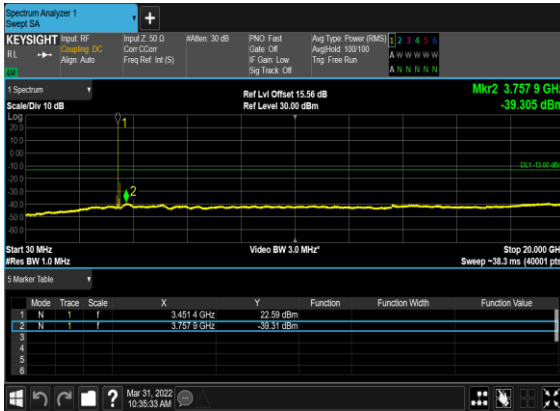
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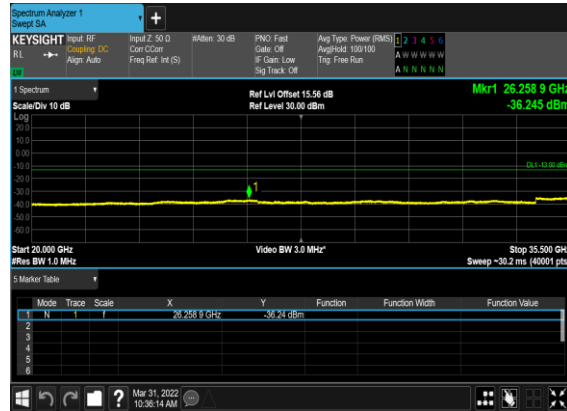
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



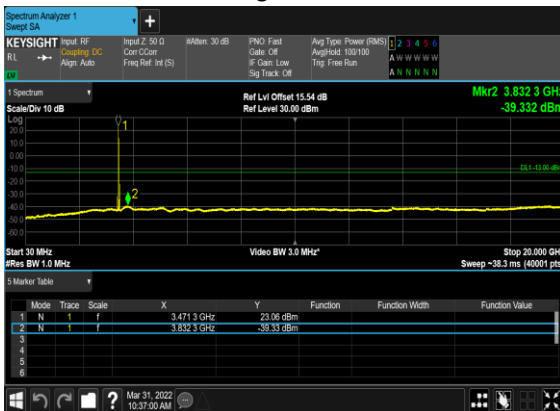
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

