FCC RF Test Report

APPLICANT	**: Xiaomi Communications Co., Ltd.**
EQUIPMENT	**: Mobile Phone**
BRAND NAME	**: XIAOMI**
MODEL NAME	**: 2107113SG**
FCC ID	**: 2AFZZ113SG**
STANDARD	**: 47 CFR Part 2, Part 27 Subpart Q**
CLASSIFICATION	**: PCS Licensed Transmitter Held to Ear (PCE)**
TEST DATE(S)	**: Jun. 17, 2021 ~ Jun. 21, 2021**

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

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

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

Jason Jia

Reviewed by: Jason Jia / Supervisor

Alex Wang

Approved by: Alex Wang / Manager

ACCREDITED Cert #5145.02

Sporton International (Kunshan) Inc.
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People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG151502G	Rev. 01	Initial issue of report	Jul. 16, 2021

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
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	Reporting Only	PASS	-
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 31.45 dB at 10356.00 MHz

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Applicant

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

1.2 Manufacturer

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

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	XIAOMI
Model Name	2107113SG
FCC ID	2AFZZ113SG
EUT supports Radios application	GSM/WCDMA/LTE/5G NR WLAN 2.4GHz 802.11b/g/n/ax HT20/HT40/HE20/HE40 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80/VHT160 WLAN 5GHz 802.11ax HE20/HE40/HE80/HE160 Bluetooth BR / EDR / LE NFC and GNSS
IMEI Code	Conducted: 868253050049325/868253050049300 Radiation: 868253050047485/868253050047493
HW Version	P2
SW Version	MIUI12.5
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Product Feature	
Tx/Rx Frequency	5G NR n77/n78: 3450 MHz ~ 3550 MHz
Bandwidth	5G NR n77/n78 : 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz
SCS	30kHz
Maximum Output Power to Antenna	**<Ant.6>:** 5G NR n77 : 24.35 dBm 5G NR n78 : 25.60 dBm **<Ant.11>:** 5G NR n77 : 24.56 dBm 5G NR n78 : 25.74 dBm **<Ant.12>:** 5G NR n77 : 25.44 dBm 5G NR n78 : 25.79 dBm **<Ant.13>:** 5G NR n77 : 25.53 dBm 5G NR n78 : 25.91 dBm
Antenna Gain	**<Ant.6>:** 5G NR n77: -2.80 dBi 5G NR n78: -1.20 dBi **<Ant.11>:** 5G NR n77: -2.65 dBi 5G NR n78: -3.02 dBi **<Ant.12>:** 5G NR n77: 1.95 dBi 5G NR n78: 1.95 dBi **<Ant.13>:** 5G NR n77: 0.10 dBi 5G NR n78: 0.10 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. The maximum EIRP is calculated from max. output power and max. antenna gain, only the maximum EIRP is shown in the report.
2. 5G NR n78 support HPUE for SA mode.
3. The device supports SA and NSA mode for 5G NR n77/n78. According to the maximum power, perform all test for conducted items of SA mode, and NSA mode verify the worst of SA mode, only record the SA conducted test data in the report.
4. For EN-DC mode and SA mode, the different modes match with different antenna combination. Pre-scanned harmonic for RSE testing, we choice worse case of antenna combination to full test.
5. The EN-DC mode combination could be referred to the product spec.
6. For modulation of CP-OFDM and DFT-s-OFDM, the maximum power of CP-OFDM is lower than DFT-s-OFDM modulation, therefore, we chose higher power (DFT-s-OFDM modulation) to perform all tests and show in the report.

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		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)
100	3500.01 ~ 3500.01	0.5483	97M4G7D	0.4355	97M5W7D
5G NR n78		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)
100	3500.01 ~ 3500.01	0.5943	97M4G7D	0.4539	97M5W7D

Note:

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

1.7 Testing Site

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

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

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

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

Test data subcontracted: conducted test items in section 3.1 ~ 3.10 of this report.

1.8 Test Software

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

1.9 Applied Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

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

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

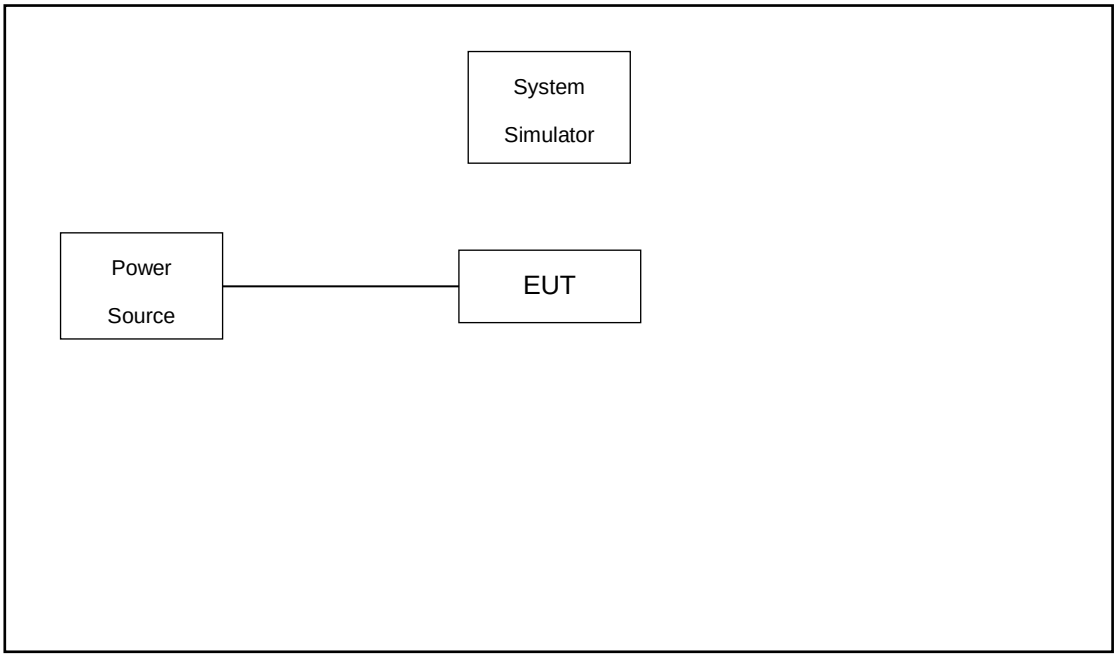
Note:

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

2. 5G NR Band n78 overlaps the entire frequency range of Band n77. Therefore, the test results provided in this report covers Band n78 as well as Band n77.

3. Based on engineering evaluation, only the worst modulations test results are shown in the report.

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 and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

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

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 1.78 dB and 10dB attenuator.

Example :

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

= 1.78 + 10 = 11.78 (dB)

2.5 Frequency List of Low/Middle/High Channels

5G n77/n78 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
100	Channel	-	633334	-
	Frequency	-	3500.01	-
90	Channel	633000	633334	633666
	Frequency	3495.00	3500.01	3504.99
80	Channel	632668	633334	634000
	Frequency	3490.02	3500.01	3510.00
70	Channel	632334	633334	634332
	Frequency	3485.01	3500.01	3514.98
60	Channel	632000	633334	634666
	Frequency	3480.00	3500.01	3519.99
50	Channel	631668	633334	635000
	Frequency	3475.02	3500.01	3525.00
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
30	Channel	631000	633334	635666
	Frequency	3465.00	3500.01	3534.99
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540.00

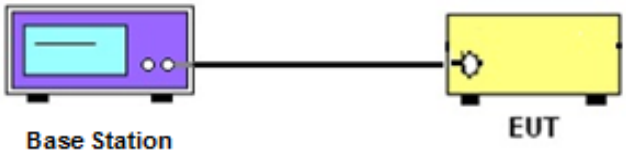
3 Conducted Test Items

3.1 Measuring Instruments

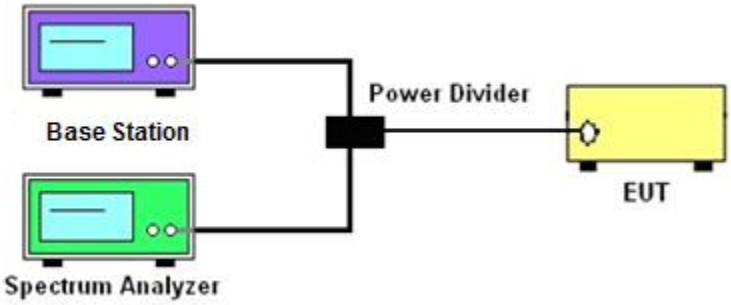
See list of measuring instruments of this test report.

3.2 Test Setup

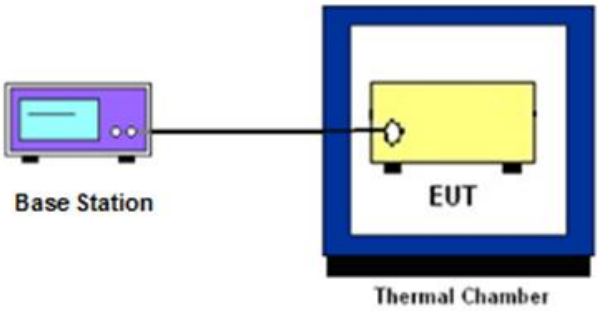
3.2.1 Conducted Output Power



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



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power Measurement

3.4.1 Description of the Conducted Output Power Measurement

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

3.4.2 Test Procedures

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

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

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

3.5.2 Test Procedures

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

3.6 EIRP

3.6.1 Description of EIRP Limit

§ 27.50 (k)(3)

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

3.6.2 Test Procedures

1. According to KDB 412172 D01 Power Approach,
2. EIRP = $P_T + G_T – L_C$, ERP = EIRP -2.15, where

   P_T = transmitter output power in dBm

   G_T = gain of the transmitting antenna in dBi

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

3.7 Occupied Bandwidth

3.7.1 Description of Occupied Bandwidth Measurement

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

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

3.7.2 Test Procedures

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

3.8 Conducted Band Edge Measurement

3.8.1 Description of Conducted Band Edge Measurement

§ 27.53 (n)(2)

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

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

3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW ≥ 1% EBW but limited to a maximum of 200 kHz in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz and 5 MHz removed from the band edge, set RBW ≥ 500KHz.
6. Beyond the 5 MHz removed from the band edge, set RBW = 1MHz.
7. Set spectrum analyzer with RMS detector.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. Checked that all the results comply with the emission limit line.

3.9 Conducted Spurious Emission Measurement

3.9.1 Description of Conducted Spurious Emission Measurement

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

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

3.9.2 Test Procedures

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

3.10 Frequency Stability Measurement

3.10.1 Description of Frequency Stability Measurement

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

3.10.2 Test Procedures for Temperature Variation

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

3.10.3 Test Procedures for Voltage Variation

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

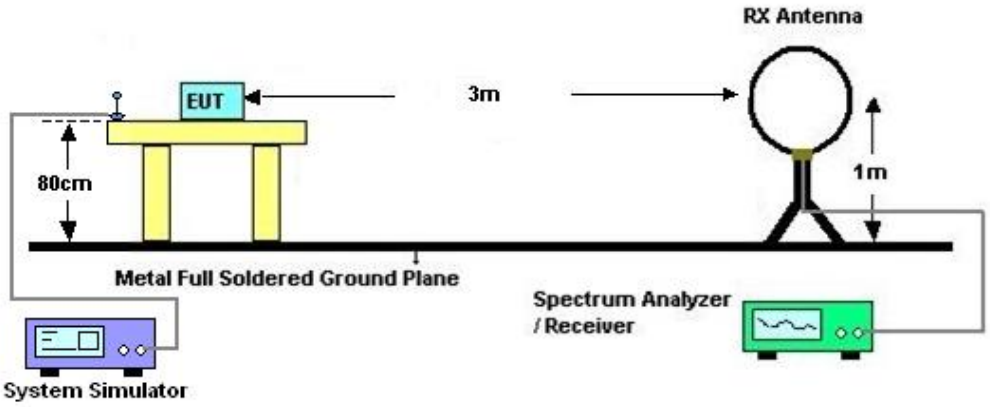
4 Radiated Test Items

4.1 Measuring Instruments

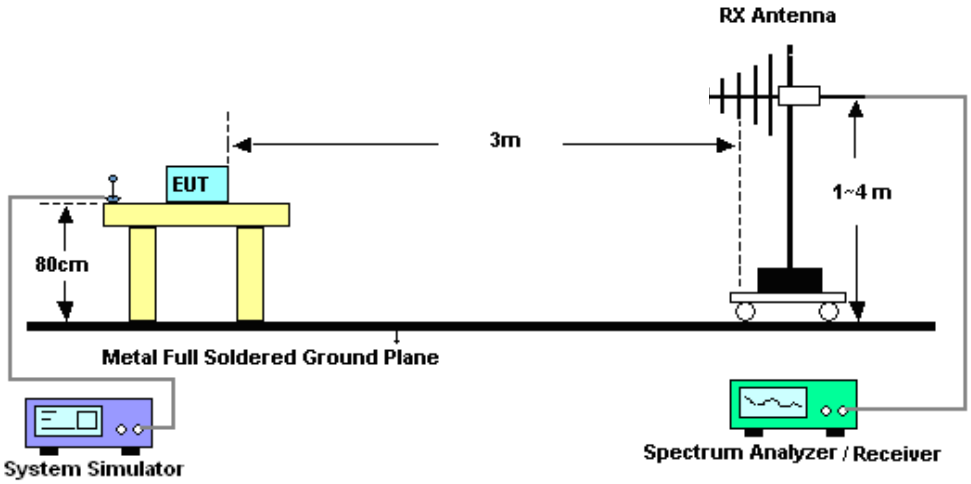
See list of measuring instruments of this test report.

4.2 Test Setup

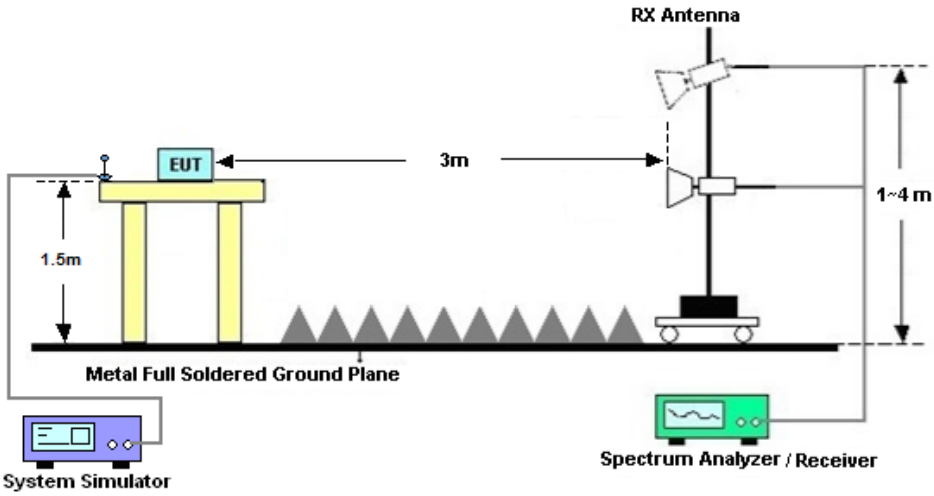
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission Measurement

4.4.1 Description of Radiated Spurious Emission

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

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

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

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
   EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
   ERP (dBm) = EIRP - 2.15
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EXA Signal Analyzer	KEYSIGHT	N9010B	MY60240803	10Hz~44GHz	Apr. 03, 2021	Jun. 17, 2021	Apr. 02, 2022	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04265	60.06.020.0077	0.4GHz~26.5GHz	Dec. 26, 2020	Jun. 17, 2021	Dec. 25, 2021	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 22, 2020	Jun. 17, 2021	Jul. 21, 2021	Conducted (TH01-SZ)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz-44G,MAX 30dB	Apr. 13, 2021	Jun. 21, 2021	Apr. 12, 2022	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Nov. 01, 2020	Jun. 21, 2021	Oct. 31, 2021	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	Jun. 07, 2021	Jun. 21, 2021	Jun. 06, 2022	Radiation (03CH04-KS)
Horn Antenna	Schwarzbeck	BBHA9120D	1356	1GHz~18GHz	Apr. 18, 2021	Jun. 21, 2021	Apr. 17, 2022	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101115	18GHz~40GHz	Jan. 06, 2021	Jun. 21, 2021	Jan. 05, 2022	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Jan. 06, 2021	Jun. 21, 2021	Jan. 05, 2022	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 07, 2021	Jun. 21, 2021	Jan. 06, 2022	Radiation (03CH04-KS)
high gain Amplifier	MITEQ	AMF-7D-00101800-30-10P	2025788	1Ghz-18Ghz	Jan. 06, 2021	Jun. 21, 2021	Jan. 05, 2022	Radiation (03CH04-KS)
Amplifier	Keysight	83017A	MY57280106	500MHz~26.5GHz	Oct. 14, 2020	Jun. 21, 2021	Oct. 13, 2021	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Jun. 21, 2021	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jun. 21, 2021	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jun. 21, 2021	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required

6 Uncertainty of Evaluation

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.3dB**

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

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

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

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

Appendix A. Test Results of Conducted Test

Software Version: 21.02.052301

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<Ant. 13>

Transmitter Conducted Output Power And ERP/EIRP, (G_T - L_C)=0.1dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	25@12	25.44	25.54	0.3581
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	25.41	25.51	0.3556
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	25.35	25.45	0.3508
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	25.28	25.38	0.3451
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	25.39	25.49	0.3540
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	25.34	25.44	0.3499
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	24.45	24.55	0.2851
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	24.47	24.57	0.2864
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	24.42	24.52	0.2831
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	22.91	23.01	0.2000
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	22.97	23.07	0.2028
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	22.98	23.08	0.2032
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	20.99	21.09	0.1285
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	20.7	20.8	0.1202
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	20.57	20.67	0.1167
77	30	20	630668	3460.02	CP-OFDM QPSK	25@121	22.42	22.52	0.1786
77	30	20	630668	3460.02	CP-OFDM QPSK	1@1	23.8	23.9	0.2455
77	30	20	630668	3460.02	CP-OFDM QPSK	1@49	23.77	23.87	0.2438

77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	24.4	24.5	0.2818
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.69	24.79	0.3013
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	24.39	24.49	0.2812
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	24.37	24.47	0.2799
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.75	24.85	0.3055
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	24.49	24.59	0.2877
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	23.44	23.54	0.2259
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.62	23.72	0.2355
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	23.38	23.48	0.2228
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	21.97	22.07	0.1611
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.1	22.2	0.1660
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	22.11	22.21	0.1663
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	19.92	20.02	0.1005
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.14	20.24	0.1057
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	19.79	19.89	0.0975
77	30	20	633334	3500.01	CP-OFDM QPSK	25@121	21.65	21.75	0.1496
77	30	20	633334	3500.01	CP-OFDM QPSK	1@1	23.3	23.4	0.2188
77	30	20	633334	3500.01	CP-OFDM QPSK	1@49	23.1	23.2	0.2089
77	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	25@12	24.8	24.9	0.3090
77	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@1	24.91	25.01	0.3170
77	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@49	24.73	24.83	0.3041
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	25@12	24.7	24.8	0.3020
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@1	24.83	24.93	0.3112
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@49	24.6	24.7	0.2951

77	30	20	636000	3540.0	DFT-s-OFDM 16 QAM	25@12	23.82	23.92	0.2466
77	30	20	636000	3540.0	DFT-s-OFDM 16 QAM	1@1	23.9	24	0.2512
77	30	20	636000	3540.0	DFT-s-OFDM 16 QAM	1@49	23.86	23.96	0.2489
77	30	20	636000	3540.0	DFT-s-OFDM 64 QAM	25@12	22.3	22.4	0.1738
77	30	20	636000	3540.0	DFT-s-OFDM 64 QAM	1@1	22.75	22.85	0.1928
77	30	20	636000	3540.0	DFT-s-OFDM 64 QAM	1@49	22.38	22.48	0.1770
77	30	20	636000	3540.0	DFT-s-OFDM 256 QAM	25@12	20.03	20.13	0.1030
77	30	20	636000	3540.0	DFT-s-OFDM 256 QAM	1@1	20.06	20.16	0.1038
77	30	20	636000	3540.0	DFT-s-OFDM 256 QAM	1@49	20.08	20.18	0.1042
77	30	20	636000	3540.0	CP-OFDM QPSK	25@121	21.92	22.02	0.1592
77	30	20	636000	3540.0	CP-OFDM QPSK	1@1	23.22	23.32	0.2148
77	30	20	636000	3540.0	CP-OFDM QPSK	1@49	23.07	23.17	0.2075
77	30	30	631000	3465.0	DFT-s-OFDM PI/2 BPSK	36@18	25.2	25.3	0.3388
77	30	30	631000	3465.0	DFT-s-OFDM PI/2 BPSK	1@1	25.34	25.44	0.3499
77	30	30	631000	3465.0	DFT-s-OFDM PI/2 BPSK	1@76	24.99	25.09	0.3228
77	30	30	631000	3465.0	DFT-s-OFDM QPSK	36@18	25.1	25.2	0.3311
77	30	30	631000	3465.0	DFT-s-OFDM QPSK	1@1	25.33	25.43	0.3491
77	30	30	631000	3465.0	DFT-s-OFDM QPSK	1@76	24.98	25.08	0.3221
77	30	30	631000	3465.0	DFT-s-OFDM 16 QAM	36@18	24.21	24.31	0.2698
77	30	30	631000	3465.0	DFT-s-OFDM 16 QAM	1@1	24.4	24.5	0.2818
77	30	30	631000	3465.0	DFT-s-OFDM 16 QAM	1@76	24.07	24.17	0.2612
77	30	30	631000	3465.0	DFT-s-OFDM 64 QAM	36@18	22.8	22.9	0.1950
77	30	30	631000	3465.0	DFT-s-OFDM 64 QAM	1@1	22.72	22.82	0.1914
77	30	30	631000	3465.0	DFT-s-OFDM 64 QAM	1@76	22.57	22.67	0.1849

77	30	30	631000	3465.0	DFT-s-OFDM 256 QAM	36@18	20.72	20.82	0.1208
77	30	30	631000	3465.0	DFT-s-OFDM 256 QAM	1@1	20.58	20.68	0.1169
77	30	30	631000	3465.0	DFT-s-OFDM 256 QAM	1@76	20.3	20.4	0.1096
77	30	30	631000	3465.0	CP-OFDM QPSK	39@19	23.75	23.85	0.2427
77	30	30	631000	3465.0	CP-OFDM QPSK	1@1	23.75	23.85	0.2427
77	30	30	631000	3465.0	CP-OFDM QPSK	1@76	23.47	23.57	0.2275
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	24.36	24.46	0.2793
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.57	24.67	0.2931
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@76	24.46	24.56	0.2858
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	24.39	24.49	0.2812
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.62	24.72	0.2965
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	24.55	24.65	0.2917
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	23.35	23.45	0.2213
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.8	23.9	0.2455
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	23.46	23.56	0.2270
77	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	21.95	22.05	0.1603
77	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.18	22.28	0.1690
77	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@76	22.01	22.11	0.1626
77	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	19.9	20	0.1000
77	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.21	20.31	0.1074
77	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@76	19.94	20.04	0.1009
77	30	30	633334	3500.01	CP-OFDM QPSK	39@19	22.95	23.05	0.2018
77	30	30	633334	3500.01	CP-OFDM QPSK	1@1	23.26	23.36	0.2168
77	30	30	633334	3500.01	CP-OFDM QPSK	1@76	23.07	23.17	0.2075

77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	36@18	24.71	24.81	0.3027
77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	24.85	24.95	0.3126
77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@76	24.8	24.9	0.3090
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	24.62	24.72	0.2965
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	24.82	24.92	0.3105
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	24.86	24.96	0.3133
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	23.7	23.8	0.2399
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.03	24.13	0.2588
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	23.81	23.91	0.2460
77	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	36@18	22.26	22.36	0.1722
77	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	22.12	22.22	0.1667
77	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@76	22.52	22.62	0.1828
77	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	36@18	19.93	20.03	0.1007
77	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	20.37	20.47	0.1114
77	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@76	19.77	19.87	0.0971
77	30	30	635666	3534.99	CP-OFDM QPSK	39@19	23.21	23.31	0.2143
77	30	30	635666	3534.99	CP-OFDM QPSK	1@1	23.28	23.38	0.2178
77	30	30	635666	3534.99	CP-OFDM QPSK	1@76	23.23	23.33	0.2153
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	25.18	25.28	0.3373
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	25.34	25.44	0.3499
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	24.87	24.97	0.3141
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	25.1	25.2	0.3311
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.35	25.45	0.3508
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	24.85	24.95	0.3126

77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	24.23	24.33	0.2710
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.46	24.56	0.2858
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	23.89	23.99	0.2506
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	22.68	22.78	0.1897
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	22.98	23.08	0.2032
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	22.95	23.05	0.2018
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	20.69	20.79	0.1199
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	20.56	20.66	0.1164
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	20.11	20.21	0.1050
77	30	40	631334	3470.01	CP-OFDM QPSK	53@26	23.76	23.86	0.2432
77	30	40	631334	3470.01	CP-OFDM QPSK	1@1	23.72	23.82	0.2410
77	30	40	631334	3470.01	CP-OFDM QPSK	1@104	23.36	23.46	0.2218
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	24.42	24.52	0.2831
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.79	24.89	0.3083
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	24.61	24.71	0.2958
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	24.39	24.49	0.2812
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.76	24.86	0.3062
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	24.63	24.73	0.2972
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	23.41	23.51	0.2244
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.92	24.02	0.2523
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	23.77	23.87	0.2438
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	21.99	22.09	0.1618
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.22	22.32	0.1706
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	22.07	22.17	0.1648

77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	19.9	20	0.1000
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.37	20.47	0.1114
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	20.19	20.29	0.1069
77	30	40	633334	3500.01	CP-OFDM QPSK	53@26	23.04	23.14	0.2061
77	30	40	633334	3500.01	CP-OFDM QPSK	1@1	23.32	23.42	0.2198
77	30	40	633334	3500.01	CP-OFDM QPSK	1@104	23.3	23.4	0.2188
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	24.89	24.99	0.3155
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	24.79	24.89	0.3083
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	24.81	24.91	0.3097
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	24.78	24.88	0.3076
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	24.72	24.82	0.3034
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	24.87	24.97	0.3141
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	23.81	23.91	0.2460
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	23.64	23.74	0.2366
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	23.99	24.09	0.2564
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	22.33	22.43	0.1750
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	22.39	22.49	0.1774
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	22.53	22.63	0.1832
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	20.35	20.45	0.1109
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	20.13	20.23	0.1054
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	20.16	20.26	0.1062
77	30	40	635332	3529.98	CP-OFDM QPSK	53@26	23.4	23.5	0.2239
77	30	40	635332	3529.98	CP-OFDM QPSK	1@1	23.26	23.36	0.2168
77	30	40	635332	3529.98	CP-OFDM QPSK	1@104	23.32	23.42	0.2198

77	30	50	631668	3529.98	DFT-s-OFDM PI/2 BPSK	64@32	25.25	25.35	0.3428
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	25.21	25.31	0.3396
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	24.51	24.61	0.2891
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	24.96	25.06	0.3206
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	25.22	25.32	0.3404
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	24.49	24.59	0.2877
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	24.09	24.19	0.2624
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	24.31	24.41	0.2761
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	23.62	23.72	0.2355
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	22.64	22.74	0.1879
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	22.98	23.08	0.2032
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	22.34	22.44	0.1754
77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	20.53	20.63	0.1156
77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	20.7	20.8	0.1202
77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	20.08	20.18	0.1042
77	30	50	631668	3475.02	CP-OFDM QPSK	67@33	23.55	23.65	0.2317
77	30	50	631668	3475.02	CP-OFDM QPSK	1@1	23.76	23.86	0.2432
77	30	50	631668	3475.02	CP-OFDM QPSK	1@131	23.14	23.24	0.2109
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	24.45	24.55	0.2851
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.78	24.88	0.3076
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	24.45	24.55	0.2851
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	24.39	24.49	0.2812
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.89	24.99	0.3155
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	24.49	24.59	0.2877

77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	23.6	23.7	0.2344
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.95	24.05	0.2541
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	23.55	23.65	0.2317
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	21.77	21.87	0.1538
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.25	22.35	0.1718
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	21.9	22	0.1585
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	20.04	20.14	0.1033
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.24	20.34	0.1081
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	20.07	20.17	0.1040
77	30	50	633334	3500.01	CP-OFDM QPSK	67@33	23	23.1	0.2042
77	30	50	633334	3500.01	CP-OFDM QPSK	1@1	23.44	23.54	0.2259
77	30	50	633334	3500.01	CP-OFDM QPSK	1@131	23.19	23.29	0.2133
77	30	50	635000	3525.0	DFT-s-OFDM PI/2 BPSK	64@32	24.71	24.81	0.3027
77	30	50	635000	3525.0	DFT-s-OFDM PI/2 BPSK	1@1	24.69	24.79	0.3013
77	30	50	635000	3525.0	DFT-s-OFDM PI/2 BPSK	1@131	24.65	24.75	0.2985
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	64@32	24.61	24.71	0.2958
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@1	24.65	24.75	0.2985
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@131	24.48	24.58	0.2871
77	30	50	635000	3525.0	DFT-s-OFDM 16 QAM	64@32	23.75	23.85	0.2427
77	30	50	635000	3525.0	DFT-s-OFDM 16 QAM	1@1	23.47	23.57	0.2275
77	30	50	635000	3525.0	DFT-s-OFDM 16 QAM	1@131	23.77	23.87	0.2438
77	30	50	635000	3525.0	DFT-s-OFDM 64 QAM	64@32	22.23	22.33	0.1710
77	30	50	635000	3525.0	DFT-s-OFDM 64 QAM	1@1	22.27	22.37	0.1726
77	30	50	635000	3525.0	DFT-s-OFDM 64 QAM	1@131	22.25	22.35	0.1718

77	30	50	635000	3525.0	DFT-s-OFDM 256 QAM	64@32	20.27	20.37	0.1089
77	30	50	635000	3525.0	DFT-s-OFDM 256 QAM	1@1	19.97	20.07	0.1016
77	30	50	635000	3525.0	DFT-s-OFDM 256 QAM	1@131	20.07	20.17	0.1040
77	30	50	635000	3525.0	CP-OFDM QPSK	67@33	23.28	23.38	0.2178
77	30	50	635000	3525.0	CP-OFDM QPSK	1@1	23.14	23.24	0.2109
77	30	50	635000	3525.0	CP-OFDM QPSK	1@131	23.08	23.18	0.2080
77	30	60	632000	3480.0	DFT-s-OFDM PI/2 BPSK	81@40	24.97	25.07	0.3214
77	30	60	632000	3480.0	DFT-s-OFDM PI/2 BPSK	1@1	25.24	25.34	0.3420
77	30	60	632000	3480.0	DFT-s-OFDM PI/2 BPSK	1@160	24.5	24.6	0.2884
77	30	60	632000	3480.0	DFT-s-OFDM QPSK	81@40	24.87	24.97	0.3141
77	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@1	25.19	25.29	0.3381
77	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@160	24.58	24.68	0.2938
77	30	60	632000	3480.0	DFT-s-OFDM 16 QAM	81@40	23.98	24.08	0.2559
77	30	60	632000	3480.0	DFT-s-OFDM 16 QAM	1@1	24.32	24.42	0.2767
77	30	60	632000	3480.0	DFT-s-OFDM 16 QAM	1@160	23.71	23.81	0.2404
77	30	60	632000	3480.0	DFT-s-OFDM 64 QAM	81@40	22.56	22.66	0.1845
77	30	60	632000	3480.0	DFT-s-OFDM 64 QAM	1@1	22.99	23.09	0.2037
77	30	60	632000	3480.0	DFT-s-OFDM 64 QAM	1@160	22.16	22.26	0.1683
77	30	60	632000	3480.0	DFT-s-OFDM 256 QAM	81@40	20.53	20.63	0.1156
77	30	60	632000	3480.0	DFT-s-OFDM 256 QAM	1@1	20.78	20.88	0.1225
77	30	60	632000	3480.0	DFT-s-OFDM 256 QAM	1@160	19.82	19.92	0.0982
77	30	60	632000	3480.0	CP-OFDM QPSK	81@40	23.57	23.67	0.2328
77	30	60	632000	3480.0	CP-OFDM QPSK	1@1	23.69	23.79	0.2393
77	30	60	632000	3480.0	CP-OFDM QPSK	1@160	23.07	23.17	0.2075

77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	81@40	24.51	24.61	0.2891
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.9	25	0.3162
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	24.37	24.47	0.2799
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	24.87	24.97	0.3141
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.78	24.88	0.3076
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	24.31	24.41	0.2761
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	23.22	23.32	0.2148
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.11	24.21	0.2636
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	23.41	23.51	0.2244
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	22.02	22.12	0.1629
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.46	22.56	0.1803
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	22.04	22.14	0.1637
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	20.07	20.17	0.1040
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.33	20.43	0.1104
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	19.86	19.96	0.0991
77	30	60	633334	3500.01	CP-OFDM QPSK	81@40	23.54	23.64	0.2312
77	30	60	633334	3500.01	CP-OFDM QPSK	1@1	23.38	23.48	0.2228
77	30	60	633334	3500.01	CP-OFDM QPSK	1@160	22.76	22.86	0.1932
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	24.61	24.71	0.2958
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	24.63	24.73	0.2972
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	24.53	24.63	0.2904
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	24.57	24.67	0.2931
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	24.65	24.75	0.2985
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	24.55	24.65	0.2917

77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	23.74	23.84	0.2421
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	23.46	23.56	0.2270
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	23.63	23.73	0.2360
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	22.17	22.27	0.1687
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	22.37	22.47	0.1766
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	22.27	22.37	0.1726
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	20.21	20.31	0.1074
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	20.11	20.21	0.1050
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	20.04	20.14	0.1033
77	30	60	634666	3519.99	CP-OFDM QPSK	81@40	23.22	23.32	0.2148
77	30	60	634666	3519.99	CP-OFDM QPSK	1@1	23.21	23.31	0.2143
77	30	60	634666	3519.99	CP-OFDM QPSK	1@160	23.08	23.18	0.2080
77	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	90@45	24.95	25.05	0.3199
77	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	25.35	25.45	0.3508
77	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@187	24.61	24.71	0.2958
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	24.96	25.06	0.3206
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	25.29	25.39	0.3459
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	24.61	24.71	0.2958
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	90@45	23.99	24.09	0.2564
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	24.38	24.48	0.2805
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@187	23.8	23.9	0.2455
77	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	90@45	22.5	22.6	0.1820
77	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@1	22.9	23	0.1995
77	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@187	22.22	22.32	0.1706

77	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	90@45	20.53	20.63	0.1156
77	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@1	20.81	20.91	0.1233
77	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@187	20.09	20.19	0.1045
77	30	70	632334	3485.01	CP-OFDM QPSK	95@47	23.39	23.49	0.2234
77	30	70	632334	3485.01	CP-OFDM QPSK	1@1	23.84	23.94	0.2477
77	30	70	632334	3485.01	CP-OFDM QPSK	1@187	23.28	23.38	0.2178
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	90@45	24.41	24.51	0.2825
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.93	25.03	0.3184
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@187	24.21	24.31	0.2698
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	24.56	24.66	0.2924
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.94	25.04	0.3192
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	24.31	24.41	0.2761
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	90@45	23.4	23.5	0.2239
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24	24.1	0.2570
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@187	23.13	23.23	0.2104
77	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	90@45	21.82	21.92	0.1556
77	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.31	22.41	0.1742
77	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@187	21.73	21.83	0.1524
77	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	90@45	20	20.1	0.1023
77	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.35	20.45	0.1109
77	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@187	19.86	19.96	0.0991
77	30	70	633334	3500.01	CP-OFDM QPSK	95@47	23.45	23.55	0.2265
77	30	70	633334	3500.01	CP-OFDM QPSK	1@1	23.49	23.59	0.2286
77	30	70	633334	3500.01	CP-OFDM QPSK	1@187	23.08	23.18	0.2080

77	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	90@45	24.68	24.78	0.3006
77	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	25.05	25.15	0.3273
77	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@187	24.63	24.73	0.2972
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	90@45	24.65	24.75	0.2985
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	25.01	25.11	0.3243
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	24.52	24.62	0.2897
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	90@45	23.79	23.89	0.2449
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	24.01	24.11	0.2576
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@187	23.75	23.85	0.2427
77	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	90@45	22.26	22.36	0.1722
77	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@1	22.61	22.71	0.1866
77	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@187	22.22	22.32	0.1706
77	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	90@45	20.3	20.4	0.1096
77	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@1	20.26	20.36	0.1086
77	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@187	20.1	20.2	0.1047
77	30	70	634332	3514.98	CP-OFDM QPSK	95@47	23.28	23.38	0.2178
77	30	70	634332	3514.98	CP-OFDM QPSK	1@1	23.55	23.65	0.2317
77	30	70	634332	3514.98	CP-OFDM QPSK	1@187	23.16	23.26	0.2118
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	24.8	24.9	0.3090
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	25.42	25.52	0.3565
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	24.66	24.76	0.2992
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	24.78	24.88	0.3076
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.46	25.56	0.3597
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	24.65	24.75	0.2985

77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	23.72	23.82	0.2410
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	24.49	24.59	0.2877
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	23.57	23.67	0.2328
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	22.44	22.54	0.1795
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	22.78	22.88	0.1941
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	22.5	22.6	0.1820
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	20.32	20.42	0.1102
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	20.9	21	0.1259
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	19.96	20.06	0.1014
77	30	80	632668	3490.02	CP-OFDM QPSK	109@54	23.41	23.51	0.2244
77	30	80	632668	3490.02	CP-OFDM QPSK	1@1	23.86	23.96	0.2489
77	30	80	632668	3490.02	CP-OFDM QPSK	1@215	23.2	23.3	0.2138
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	24.46	24.56	0.2858
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.05	25.15	0.3273
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	24.25	24.35	0.2723
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	24.42	24.52	0.2831
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.01	25.11	0.3243
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	24.3	24.4	0.2754
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	23.51	23.61	0.2296
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.23	24.33	0.2710
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	23.25	23.35	0.2163
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	22.22	22.32	0.1706
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.45	22.55	0.1799
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	22.06	22.16	0.1644

77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	20.56	20.66	0.1164
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.15	20.25	0.1059
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	20.17	20.27	0.1064
77	30	80	633334	3500.01	CP-OFDM QPSK	109@54	23.39	23.49	0.2234
77	30	80	633334	3500.01	CP-OFDM QPSK	1@1	23.82	23.92	0.2466
77	30	80	633334	3500.01	CP-OFDM QPSK	1@215	23.18	23.28	0.2128
77	30	80	634000	3510.0	DFT-s-OFDM PI/2 BPSK	108@54	24.8	24.9	0.3090
77	30	80	634000	3510.0	DFT-s-OFDM PI/2 BPSK	1@1	25.3	25.4	0.3467
77	30	80	634000	3510.0	DFT-s-OFDM PI/2 BPSK	1@215	24.63	24.73	0.2972
77	30	80	634000	3510.0	DFT-s-OFDM QPSK	108@54	24.72	24.82	0.3034
77	30	80	634000	3510.0	DFT-s-OFDM QPSK	1@1	25.32	25.42	0.3483
77	30	80	634000	3510.0	DFT-s-OFDM QPSK	1@215	24.55	24.65	0.2917
77	30	80	634000	3510.0	DFT-s-OFDM 16 QAM	108@54	23.79	23.89	0.2449
77	30	80	634000	3510.0	DFT-s-OFDM 16 QAM	1@1	24.24	24.34	0.2716
77	30	80	634000	3510.0	DFT-s-OFDM 16 QAM	1@215	23.68	23.78	0.2388
77	30	80	634000	3510.0	DFT-s-OFDM 64 QAM	108@54	22.55	22.65	0.1841
77	30	80	634000	3510.0	DFT-s-OFDM 64 QAM	1@1	22.46	22.56	0.1803
77	30	80	634000	3510.0	DFT-s-OFDM 64 QAM	1@215	22.42	22.52	0.1786
77	30	80	634000	3510.0	DFT-s-OFDM 256 QAM	108@54	20.31	20.41	0.1099
77	30	80	634000	3510.0	DFT-s-OFDM 256 QAM	1@1	20.59	20.69	0.1172
77	30	80	634000	3510.0	DFT-s-OFDM 256 QAM	1@215	19.75	19.85	0.0966
77	30	80	634000	3510.0	CP-OFDM QPSK	109@54	23.28	23.38	0.2178
77	30	80	634000	3510.0	CP-OFDM QPSK	1@1	23.82	23.92	0.2466
77	30	80	634000	3510.0	CP-OFDM QPSK	1@215	23.16	23.26	0.2118

77	30	90	633000	3495.0	DFT-s-OFDM PI/2 BPSK	120@60	24.88	24.98	0.3148
77	30	90	633000	3495.0	DFT-s-OFDM PI/2 BPSK	1@1	25.46	25.56	0.3597
77	30	90	633000	3495.0	DFT-s-OFDM PI/2 BPSK	1@243	24.58	24.68	0.2938
77	30	90	633000	3495.0	DFT-s-OFDM QPSK	120@60	24.78	24.88	0.3076
77	30	90	633000	3495.0	DFT-s-OFDM QPSK	1@1	25.43	25.53	0.3573
77	30	90	633000	3495.0	DFT-s-OFDM QPSK	1@243	24.55	24.65	0.2917
77	30	90	633000	3495.0	DFT-s-OFDM 16 QAM	120@60	23.9	24	0.2512
77	30	90	633000	3495.0	DFT-s-OFDM 16 QAM	1@1	24.58	24.68	0.2938
77	30	90	633000	3495.0	DFT-s-OFDM 16 QAM	1@243	23.78	23.88	0.2443
77	30	90	633000	3495.0	DFT-s-OFDM 64 QAM	120@60	22.61	22.71	0.1866
77	30	90	633000	3495.0	DFT-s-OFDM 64 QAM	1@1	23.07	23.17	0.2075
77	30	90	633000	3495.0	DFT-s-OFDM 64 QAM	1@243	22.24	22.34	0.1714
77	30	90	633000	3495.0	DFT-s-OFDM 256 QAM	120@60	20.34	20.44	0.1107
77	30	90	633000	3495.0	DFT-s-OFDM 256 QAM	1@1	20.72	20.82	0.1208
77	30	90	633000	3495.0	DFT-s-OFDM 256 QAM	1@243	19.91	20.01	0.1002
77	30	90	633000	3495.0	CP-OFDM QPSK	123@61	23.41	23.51	0.2244
77	30	90	633000	3495.0	CP-OFDM QPSK	1@1	23.8	23.9	0.2455
77	30	90	633000	3495.0	CP-OFDM QPSK	1@243	23.08	23.18	0.2080
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	120@60	24.89	24.99	0.3155
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.52	25.62	0.3648
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@243	24.66	24.76	0.2992
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	24.77	24.87	0.3069
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.52	25.62	0.3648
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	24.69	24.79	0.3013

77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	120@60	23.94	24.04	0.2535
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.7	24.8	0.3020
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@243	23.75	23.85	0.2427
77	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	120@60	22.46	22.56	0.1803
77	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.23	23.33	0.2153
77	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@243	22.12	22.22	0.1667
77	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	120@60	20.39	20.49	0.1119
77	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.78	20.88	0.1225
77	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@243	19.98	20.08	0.1019
77	30	90	633334	3500.01	CP-OFDM QPSK	123@61	23.44	23.54	0.2259
77	30	90	633334	3500.01	CP-OFDM QPSK	1@1	23.93	24.03	0.2529
77	30	90	633334	3500.01	CP-OFDM QPSK	1@243	23.2	23.3	0.2138
77	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	120@60	24.84	24.94	0.3119
77	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	25.38	25.48	0.3532
77	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@243	24.62	24.72	0.2965
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	24.71	24.81	0.3027
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	25.53	25.63	0.3656
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	24.64	24.74	0.2979
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	23.86	23.96	0.2489
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	24.5	24.6	0.2884
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	23.7	23.8	0.2399
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	120@60	22.4	22.5	0.1778
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@1	23.4	23.5	0.2239
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@243	22.24	22.34	0.1714

77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	120@60	20.32	20.42	0.1102
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@1	20.66	20.76	0.1191
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@243	19.9	20	0.1000
77	30	90	633666	3504.99	CP-OFDM QPSK	123@61	23.39	23.49	0.2234
77	30	90	633666	3504.99	CP-OFDM QPSK	1@1	23.79	23.89	0.2449
77	30	90	633666	3504.99	CP-OFDM QPSK	1@243	23.18	23.28	0.2128
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.15	25.25	0.3350
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.35	25.45	0.3508
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	24.62	24.72	0.2965
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	24.79	24.89	0.3083
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.42	25.52	0.3565
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	24.7	24.8	0.3020
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.14	24.24	0.2655
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.38	24.48	0.2805
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	23.62	23.72	0.2355
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	22.44	22.54	0.1795
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.27	23.37	0.2173
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	22.15	22.25	0.1679
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	20.43	20.53	0.1130
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.74	20.84	0.1213
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	20.19	20.29	0.1069
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	23.44	23.54	0.2259
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	23.99	24.09	0.2564
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	23.23	23.33	0.2153

<Ant. 12>

Transmitter Conducted Output Power And ERP/EIRP, (G_T - L_C)=1.95dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.11	27.06	0.5082
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.37	27.32	0.5395
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	24.61	26.56	0.4529
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.1	27.05	0.5070
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.44	27.39	0.5483
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	24.63	26.58	0.4550
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.12	26.07	0.4046
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.44	26.39	0.4355
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	23.93	25.88	0.3873
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	22.21	24.16	0.2606
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.27	24.22	0.2642
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	22.32	24.27	0.2673
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	20.51	22.46	0.1762
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.52	22.47	0.1766
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	20.32	22.27	0.1687
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	23.66	25.61	0.3639
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	23.86	25.81	0.3811
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	23.35	25.3	0.3388

Software Version: 21.02.052301

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<Ant.13>

Transmitter Conducted Output Power And ERP/EIRP, (G_T - L_C)=0.1dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	25@12	25.77	25.87	0.3864
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	25.75	25.85	0.3846
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	25.63	25.73	0.3741
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	25.68	25.78	0.3784
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	25.8	25.9	0.3890
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	25.69	25.79	0.3793
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	25.35	25.45	0.3508
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	25.39	25.49	0.3540
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	25.25	25.35	0.3428
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	23.82	23.92	0.2466
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	23.83	23.93	0.2472
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	23.54	23.64	0.2312
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	21.7	21.8	0.1514
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	21.66	21.76	0.1500
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	21.53	21.63	0.1455
78	30	20	630668	3460.02	CP-OFDM QPSK	25@121	23.31	23.41	0.2193
78	30	20	630668	3460.02	CP-OFDM QPSK	1@1	24.77	24.87	0.3069
78	30	20	630668	3460.02	CP-OFDM QPSK	1@49	24.65	24.75	0.2985

78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	25.13	25.23	0.3334
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.31	25.41	0.3475
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	25.18	25.28	0.3373
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	25.11	25.21	0.3319
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.33	25.43	0.3491
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	25.15	25.25	0.3350
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	24.69	24.79	0.3013
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.98	25.08	0.3221
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	24.77	24.87	0.3069
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	23.19	23.29	0.2133
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.47	23.57	0.2275
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	23.14	23.24	0.2109
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	21.12	21.22	0.1324
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.39	21.49	0.1409
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	21.15	21.25	0.1334
78	30	20	633334	3500.01	CP-OFDM QPSK	25@121	22.74	22.84	0.1923
78	30	20	633334	3500.01	CP-OFDM QPSK	1@1	24.49	24.59	0.2877
78	30	20	633334	3500.01	CP-OFDM QPSK	1@49	24.27	24.37	0.2735
78	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	25@12	25.09	25.19	0.3304
78	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@1	25.15	25.25	0.3350
78	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@49	25.08	25.18	0.3296
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	25@12	25.03	25.13	0.3258
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@1	25.22	25.32	0.3404
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@49	24.98	25.08	0.3221

78	30	20	636000	3540.0	DFT-s-OFDM 16 QAM	25@12	24.62	24.72	0.2965
78	30	20	636000	3540.0	DFT-s-OFDM 16 QAM	1@1	24.7	24.8	0.3020
78	30	20	636000	3540.0	DFT-s-OFDM 16 QAM	1@49	24.64	24.74	0.2979
78	30	20	636000	3540.0	DFT-s-OFDM 64 QAM	25@12	23.15	23.25	0.2113
78	30	20	636000	3540.0	DFT-s-OFDM 64 QAM	1@1	23.17	23.27	0.2123
78	30	20	636000	3540.0	DFT-s-OFDM 64 QAM	1@49	23.36	23.46	0.2218
78	30	20	636000	3540.0	DFT-s-OFDM 256 QAM	25@12	21.17	21.27	0.1340
78	30	20	636000	3540.0	DFT-s-OFDM 256 QAM	1@1	21.27	21.37	0.1371
78	30	20	636000	3540.0	DFT-s-OFDM 256 QAM	1@49	21.14	21.24	0.1330
78	30	20	636000	3540.0	CP-OFDM QPSK	25@121	22.61	22.71	0.1866
78	30	20	636000	3540.0	CP-OFDM QPSK	1@1	24.26	24.36	0.2729
78	30	20	636000	3540.0	CP-OFDM QPSK	1@49	24.28	24.38	0.2742
78	30	30	631000	3465.0	DFT-s-OFDM PI/2 BPSK	36@18	25.67	25.77	0.3776
78	30	30	631000	3465.0	DFT-s-OFDM PI/2 BPSK	1@1	25.77	25.87	0.3864
78	30	30	631000	3465.0	DFT-s-OFDM PI/2 BPSK	1@76	25.3	25.4	0.3467
78	30	30	631000	3465.0	DFT-s-OFDM QPSK	36@18	25.63	25.73	0.3741
78	30	30	631000	3465.0	DFT-s-OFDM QPSK	1@1	25.74	25.84	0.3837
78	30	30	631000	3465.0	DFT-s-OFDM QPSK	1@76	25.26	25.36	0.3436
78	30	30	631000	3465.0	DFT-s-OFDM 16 QAM	36@18	25.09	25.19	0.3304
78	30	30	631000	3465.0	DFT-s-OFDM 16 QAM	1@1	25.44	25.54	0.3581
78	30	30	631000	3465.0	DFT-s-OFDM 16 QAM	1@76	24.91	25.01	0.3170
78	30	30	631000	3465.0	DFT-s-OFDM 64 QAM	36@18	23.65	23.75	0.2371
78	30	30	631000	3465.0	DFT-s-OFDM 64 QAM	1@1	23.79	23.89	0.2449
78	30	30	631000	3465.0	DFT-s-OFDM 64 QAM	1@76	23.49	23.59	0.2286

78	30	30	631000	3465.0	DFT-s-OFDM 256 QAM	36@18	21.57	21.67	0.1469
78	30	30	631000	3465.0	DFT-s-OFDM 256 QAM	1@1	21.69	21.79	0.1510
78	30	30	631000	3465.0	DFT-s-OFDM 256 QAM	1@76	21.33	21.43	0.1390
78	30	30	631000	3465.0	CP-OFDM QPSK	39@19	24.56	24.66	0.2924
78	30	30	631000	3465.0	CP-OFDM QPSK	1@1	24.83	24.93	0.3112
78	30	30	631000	3465.0	CP-OFDM QPSK	1@76	24.53	24.63	0.2904
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	25.05	25.15	0.3273
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.33	25.43	0.3491
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@76	25.16	25.26	0.3357
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	24.98	25.08	0.3221
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.3	25.4	0.3467
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	25.2	25.3	0.3388
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	24.57	24.67	0.2931
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.98	25.08	0.3221
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	24.89	24.99	0.3155
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	23.16	23.26	0.2118
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.55	23.65	0.2317
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@76	23.45	23.55	0.2265
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	21.12	21.22	0.1324
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.42	21.52	0.1419
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@76	21.16	21.26	0.1337
78	30	30	633334	3500.01	CP-OFDM QPSK	39@19	24.09	24.19	0.2624
78	30	30	633334	3500.01	CP-OFDM QPSK	1@1	24.49	24.59	0.2877
78	30	30	633334	3500.01	CP-OFDM QPSK	1@76	24.32	24.42	0.2767

78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	36@18	25.03	25.13	0.3258
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	25.13	25.23	0.3334
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@76	24.97	25.07	0.3214
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	25.09	25.19	0.3304
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	25.23	25.33	0.3412
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	25.05	25.15	0.3273
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	24.63	24.73	0.2972
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.85	24.95	0.3126
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	24.75	24.85	0.3055
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	36@18	23.18	23.28	0.2128
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	23.33	23.43	0.2203
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@76	23.16	23.26	0.2118
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	36@18	21.13	21.23	0.1327
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	21.25	21.35	0.1365
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@76	21.19	21.29	0.1346
78	30	30	635666	3534.99	CP-OFDM QPSK	39@19	24.27	24.37	0.2735
78	30	30	635666	3534.99	CP-OFDM QPSK	1@1	24.42	24.52	0.2831
78	30	30	635666	3534.99	CP-OFDM QPSK	1@76	24.19	24.29	0.2685
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	25.62	25.72	0.3733
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	25.89	25.99	0.3972
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	25.27	25.37	0.3443
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	25.54	25.64	0.3664
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.77	25.87	0.3864
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	25.27	25.37	0.3443

78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	25.18	25.28	0.3373
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	25.5	25.6	0.3631
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	24.86	24.96	0.3133
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	23.54	23.64	0.2312
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	23.99	24.09	0.2564
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	23.48	23.58	0.2280
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	21.65	21.75	0.1496
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	22.06	22.16	0.1644
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	21.16	21.26	0.1337
78	30	40	631334	3470.01	CP-OFDM QPSK	53@26	24.56	24.66	0.2924
78	30	40	631334	3470.01	CP-OFDM QPSK	1@1	25.03	25.13	0.3258
78	30	40	631334	3470.01	CP-OFDM QPSK	1@104	24.43	24.53	0.2838
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	24.63	24.73	0.2972
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.58	24.68	0.2938
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	25.07	25.17	0.3289
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	24.74	24.84	0.3048
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.58	24.68	0.2938
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	25.02	25.12	0.3251
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	24.48	24.58	0.2871
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.04	25.14	0.3266
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	24.72	24.82	0.3034
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	23.07	23.17	0.2075
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.55	23.65	0.2317
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	23.07	23.17	0.2075

78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	21.08	21.18	0.1312
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.37	21.47	0.1403
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	21.04	21.14	0.1300
78	30	40	633334	3500.01	CP-OFDM QPSK	53@26	24.17	24.27	0.2673
78	30	40	633334	3500.01	CP-OFDM QPSK	1@1	24.57	24.67	0.2931
78	30	40	633334	3500.01	CP-OFDM QPSK	1@104	24.25	24.35	0.2723
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	25.18	25.28	0.3373
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	25.27	25.37	0.3443
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	25.14	25.24	0.3342
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	24.98	25.08	0.3221
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	25.28	25.38	0.3451
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	25.1	25.2	0.3311
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	24.66	24.76	0.2992
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	24.99	25.09	0.3228
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	24.79	24.89	0.3083
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	23.2	23.3	0.2138
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	23.33	23.43	0.2203
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	23.41	23.51	0.2244
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	21.19	21.29	0.1346
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	21.32	21.42	0.1387
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	21.03	21.13	0.1297
78	30	40	635332	3529.98	CP-OFDM QPSK	53@26	24.29	24.39	0.2748
78	30	40	635332	3529.98	CP-OFDM QPSK	1@1	24.62	24.72	0.2965
78	30	40	635332	3529.98	CP-OFDM QPSK	1@104	24.21	24.31	0.2698

78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	64@32	25.44	25.54	0.3581
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	25.8	25.9	0.3890
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	24.98	25.08	0.3221
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	25.29	25.39	0.3459
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	25.81	25.91	0.3899
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	24.95	25.05	0.3199
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	25.01	25.11	0.3243
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	25.45	25.55	0.3589
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	24.63	24.73	0.2972
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	23.51	23.61	0.2296
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	23.99	24.09	0.2564
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	23.13	23.23	0.2104
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	21.46	21.56	0.1432
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	21.96	22.06	0.1607
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	20.91	21.01	0.1262
78	30	50	631668	3475.02	CP-OFDM QPSK	67@33	24.46	24.56	0.2858
78	30	50	631668	3475.02	CP-OFDM QPSK	1@1	24.83	24.93	0.3112
78	30	50	631668	3475.02	CP-OFDM QPSK	1@131	24.2	24.3	0.2692
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	25.11	25.21	0.3319
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.49	25.59	0.3622
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	24.99	25.09	0.3228
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	25.1	25.2	0.3311
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.44	25.54	0.3581
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	25.04	25.14	0.3266

78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	24.68	24.78	0.3006
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.21	25.31	0.3396
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	24.89	24.99	0.3155
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	23.16	23.26	0.2118
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.32	23.42	0.2198
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	23.09	23.19	0.2084
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	20.85	20.95	0.1245
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.5	21.6	0.1445
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	21.17	21.27	0.1340
78	30	50	633334	3500.01	CP-OFDM QPSK	67@33	24.22	24.32	0.2704
78	30	50	633334	3500.01	CP-OFDM QPSK	1@1	24.64	24.74	0.2979
78	30	50	633334	3500.01	CP-OFDM QPSK	1@131	24.29	24.39	0.2748
78	30	50	635000	3525.0	DFT-s-OFDM PI/2 BPSK	64@32	25.14	25.24	0.3342
78	30	50	635000	3525.0	DFT-s-OFDM PI/2 BPSK	1@1	25.08	25.18	0.3296
78	30	50	635000	3525.0	DFT-s-OFDM PI/2 BPSK	1@131	25.01	25.11	0.3243
78	30	50	635000	3525.0	DFT-s-OFDM QPSK	64@32	25.12	25.22	0.3327
78	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@1	25.16	25.26	0.3357
78	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@131	24.95	25.05	0.3199
78	30	50	635000	3525.0	DFT-s-OFDM 16 QAM	64@32	24.64	24.74	0.2979
78	30	50	635000	3525.0	DFT-s-OFDM 16 QAM	1@1	24.78	24.88	0.3076
78	30	50	635000	3525.0	DFT-s-OFDM 16 QAM	1@131	24.58	24.68	0.2938
78	30	50	635000	3525.0	DFT-s-OFDM 64 QAM	64@32	23.14	23.24	0.2109
78	30	50	635000	3525.0	DFT-s-OFDM 64 QAM	1@1	23.11	23.21	0.2094
78	30	50	635000	3525.0	DFT-s-OFDM 64 QAM	1@131	22.99	23.09	0.2037

78	30	50	635000	3525.0	DFT-s-OFDM 256 QAM	64@32	21.13	21.23	0.1327
78	30	50	635000	3525.0	DFT-s-OFDM 256 QAM	1@1	21.06	21.16	0.1306
78	30	50	635000	3525.0	DFT-s-OFDM 256 QAM	1@131	20.9	21	0.1259
78	30	50	635000	3525.0	CP-OFDM QPSK	67@33	24.11	24.21	0.2636
78	30	50	635000	3525.0	CP-OFDM QPSK	1@1	24.25	24.35	0.2723
78	30	50	635000	3525.0	CP-OFDM QPSK	1@131	24	24.1	0.2570
78	30	60	632000	3480.0	DFT-s-OFDM PI/2 BPSK	81@40	25.4	25.5	0.3548
78	30	60	632000	3480.0	DFT-s-OFDM PI/2 BPSK	1@1	25.83	25.93	0.3917
78	30	60	632000	3480.0	DFT-s-OFDM PI/2 BPSK	1@160	24.96	25.06	0.3206
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	81@40	25.03	25.13	0.3258
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@1	25.65	25.75	0.3758
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@160	24.9	25	0.3162
78	30	60	632000	3480.0	DFT-s-OFDM 16 QAM	81@40	24.79	24.89	0.3083
78	30	60	632000	3480.0	DFT-s-OFDM 16 QAM	1@1	25.47	25.57	0.3606
78	30	60	632000	3480.0	DFT-s-OFDM 16 QAM	1@160	24.53	24.63	0.2904
78	30	60	632000	3480.0	DFT-s-OFDM 64 QAM	81@40	23.36	23.46	0.2218
78	30	60	632000	3480.0	DFT-s-OFDM 64 QAM	1@1	24.06	24.16	0.2606
78	30	60	632000	3480.0	DFT-s-OFDM 64 QAM	1@160	23.16	23.26	0.2118
78	30	60	632000	3480.0	DFT-s-OFDM 256 QAM	81@40	21.36	21.46	0.1400
78	30	60	632000	3480.0	DFT-s-OFDM 256 QAM	1@1	21.72	21.82	0.1521
78	30	60	632000	3480.0	DFT-s-OFDM 256 QAM	1@160	21.03	21.13	0.1297
78	30	60	632000	3480.0	CP-OFDM QPSK	81@40	24.27	24.37	0.2735
78	30	60	632000	3480.0	CP-OFDM QPSK	1@1	24.77	24.87	0.3069
78	30	60	632000	3480.0	CP-OFDM QPSK	1@160	24.19	24.29	0.2685

78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	81@40	25.08	25.18	0.3296
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.55	25.65	0.3673
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	24.9	25	0.3162
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	24.96	25.06	0.3206
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.57	25.67	0.3690
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	25.07	25.17	0.3289
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	24.54	24.64	0.2911
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.15	25.25	0.3350
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	24.51	24.61	0.2891
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	23.02	23.12	0.2051
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.4	23.5	0.2239
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	23.01	23.11	0.2046
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	21.13	21.23	0.1327
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.77	21.87	0.1538
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	20.89	20.99	0.1256
78	30	60	633334	3500.01	CP-OFDM QPSK	81@40	23.98	24.08	0.2559
78	30	60	633334	3500.01	CP-OFDM QPSK	1@1	24.66	24.76	0.2992
78	30	60	633334	3500.01	CP-OFDM QPSK	1@160	24.1	24.2	0.2630
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	24.93	25.03	0.3184
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	25.1	25.2	0.3311
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	24.87	24.97	0.3141
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	24.91	25.01	0.3170
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.08	25.18	0.3296
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	24.79	24.89	0.3083

78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	24.47	24.57	0.2864
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	24.87	24.97	0.3141
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	24.51	24.61	0.2891
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	23.01	23.11	0.2046
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	23.25	23.35	0.2163
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	22.82	22.92	0.1959
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	20.95	21.05	0.1274
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	21.14	21.24	0.1330
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	20.7	20.8	0.1202
78	30	60	634666	3519.99	CP-OFDM QPSK	81@40	23.81	23.91	0.2460
78	30	60	634666	3519.99	CP-OFDM QPSK	1@1	24.22	24.32	0.2704
78	30	60	634666	3519.99	CP-OFDM QPSK	1@160	23.98	24.08	0.2559
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	90@45	25.22	25.32	0.3404
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	25.7	25.8	0.3802
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@187	25.02	25.12	0.3251
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	25.08	25.18	0.3296
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	25.72	25.82	0.3819
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	24.93	25.03	0.3184
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	90@45	24.7	24.8	0.3020
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	25.28	25.38	0.3451
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@187	24.79	24.89	0.3083
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	90@45	23.18	23.28	0.2128
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@1	23.72	23.82	0.2410
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@187	23.01	23.11	0.2046

78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	90@45	21.26	21.36	0.1368
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@1	21.73	21.83	0.1524
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@187	21.02	21.12	0.1294
78	30	70	632334	3485.01	CP-OFDM QPSK	95@47	22.98	23.08	0.2032
78	30	70	632334	3485.01	CP-OFDM QPSK	1@1	22.77	22.87	0.1936
78	30	70	632334	3485.01	CP-OFDM QPSK	1@187	22.96	23.06	0.2023
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	90@45	24.96	25.06	0.3206
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.69	25.79	0.3793
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@187	24.97	25.07	0.3214
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	25	25.1	0.3236
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.69	25.79	0.3793
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	24.99	25.09	0.3228
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	90@45	24.66	24.76	0.2992
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.35	25.45	0.3508
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@187	24.7	24.8	0.3020
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	90@45	23.1	23.2	0.2089
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.72	23.82	0.2410
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@187	23.13	23.23	0.2104
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	90@45	21.1	21.2	0.1318
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.57	21.67	0.1469
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@187	21.11	21.21	0.1321
78	30	70	633334	3500.01	CP-OFDM QPSK	95@47	24.01	24.11	0.2576
78	30	70	633334	3500.01	CP-OFDM QPSK	1@1	24.68	24.78	0.3006
78	30	70	633334	3500.01	CP-OFDM QPSK	1@187	24.22	24.32	0.2704

78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	90@45	25.03	25.13	0.3258
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	25.23	25.33	0.3412
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@187	24.92	25.02	0.3177
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	90@45	24.57	24.67	0.2931
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	25.23	25.33	0.3412
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	24.78	24.88	0.3076
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	90@45	24.58	24.68	0.2938
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	24.83	24.93	0.3112
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@187	24.4	24.5	0.2818
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	90@45	23.13	23.23	0.2104
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@1	23.21	23.31	0.2143
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@187	23.02	23.12	0.2051
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	90@45	21.17	21.27	0.1340
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@1	21.32	21.42	0.1387
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@187	21.02	21.12	0.1294
78	30	70	634332	3514.98	CP-OFDM QPSK	95@47	24.3	24.4	0.2754
78	30	70	634332	3514.98	CP-OFDM QPSK	1@1	24.41	24.51	0.2825
78	30	70	634332	3514.98	CP-OFDM QPSK	1@187	23.99	24.09	0.2564
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	25.04	25.14	0.3266
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	25.74	25.84	0.3837
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	24.99	25.09	0.3228
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	25.22	25.32	0.3404
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.82	25.92	0.3908
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	25.04	25.14	0.3266

78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	24.75	24.85	0.3055
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	25.5	25.6	0.3631
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	24.54	24.64	0.2911
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	23.4	23.5	0.2239
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	24.03	24.13	0.2588
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	23.08	23.18	0.2080
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	21.25	21.35	0.1365
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	21.89	21.99	0.1581
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	21.17	21.27	0.1340
78	30	80	632668	3490.02	CP-OFDM QPSK	109@54	24.14	24.24	0.2655
78	30	80	632668	3490.02	CP-OFDM QPSK	1@1	24.81	24.91	0.3097
78	30	80	632668	3490.02	CP-OFDM QPSK	1@215	24.14	24.24	0.2655
78	30	80	633334	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	25.21	25.31	0.3396
78	30	80	633334	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	25.84	25.94	0.3926
78	30	80	633334	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	25	25.1	0.3236
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	25.12	25.22	0.3327
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.81	25.91	0.3899
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	25.02	25.12	0.3251
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	24.7	24.8	0.3020
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.4	25.5	0.3548
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	24.57	24.67	0.2931
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	23.21	23.31	0.2143
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.95	24.05	0.2541
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	23.07	23.17	0.2075

78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	21.14	21.24	0.1330
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.79	21.89	0.1545
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	21.03	21.13	0.1297
78	30	80	633334	3500.01	CP-OFDM QPSK	109@54	23.98	24.08	0.2559
78	30	80	633334	3500.01	CP-OFDM QPSK	1@1	24.78	24.88	0.3076
78	30	80	633334	3500.01	CP-OFDM QPSK	1@215	24.16	24.26	0.2667
78	30	80	634000	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	25.1	25.2	0.3311
78	30	80	634000	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.67	25.77	0.3776
78	30	80	634000	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	24.91	25.01	0.3170
78	30	80	634000	3510.0	DFT-s-OFDM QPSK	108@54	24.96	25.06	0.3206
78	30	80	634000	3510.0	DFT-s-OFDM QPSK	1@1	25.51	25.61	0.3639
78	30	80	634000	3510.0	DFT-s-OFDM QPSK	1@215	24.84	24.94	0.3119
78	30	80	634000	3510.0	DFT-s-OFDM 16 QAM	108@54	24.62	24.72	0.2965
78	30	80	634000	3510.0	DFT-s-OFDM 16 QAM	1@1	25.26	25.36	0.3436
78	30	80	634000	3510.0	DFT-s-OFDM 16 QAM	1@215	24.58	24.68	0.2938
78	30	80	634000	3510.0	DFT-s-OFDM 64 QAM	108@54	23.18	23.28	0.2128
78	30	80	634000	3510.0	DFT-s-OFDM 64 QAM	1@1	23.75	23.85	0.2427
78	30	80	634000	3510.0	DFT-s-OFDM 64 QAM	1@215	22.95	23.05	0.2018
78	30	80	634000	3510.0	DFT-s-OFDM 256 QAM	108@54	21.14	21.24	0.1330
78	30	80	634000	3510.0	DFT-s-OFDM 256 QAM	1@1	21.69	21.79	0.1510
78	30	80	634000	3510.0	DFT-s-OFDM 256 QAM	1@215	20.88	20.98	0.1253
78	30	80	634000	3510.0	CP-OFDM QPSK	109@54	24.99	25.09	0.3228
78	30	80	634000	3510.0	CP-OFDM QPSK	1@1	24.81	24.91	0.3097
78	30	80	634000	3510.0	CP-OFDM QPSK	1@215	23.97	24.07	0.2553

78	30	90	633000	3495.0	DFT-s-OFDM PI/2 BPSK	120@60	25.13	25.23	0.3334
78	30	90	633000	3495.0	DFT-s-OFDM PI/2 BPSK	1@1	25.83	25.93	0.3917
78	30	90	633000	3495.0	DFT-s-OFDM PI/2 BPSK	1@243	24.95	25.05	0.3199
78	30	90	633000	3495.0	DFT-s-OFDM QPSK	120@60	25.11	25.21	0.3319
78	30	90	633000	3495.0	DFT-s-OFDM QPSK	1@1	25.84	25.94	0.3926
78	30	90	633000	3495.0	DFT-s-OFDM QPSK	1@243	24.82	24.92	0.3105
78	30	90	633000	3495.0	DFT-s-OFDM 16 QAM	120@60	24.78	24.88	0.3076
78	30	90	633000	3495.0	DFT-s-OFDM 16 QAM	1@1	25.71	25.81	0.3811
78	30	90	633000	3495.0	DFT-s-OFDM 16 QAM	1@243	24.52	24.62	0.2897
78	30	90	633000	3495.0	DFT-s-OFDM 64 QAM	120@60	23.2	23.3	0.2138
78	30	90	633000	3495.0	DFT-s-OFDM 64 QAM	1@1	24.04	24.14	0.2594
78	30	90	633000	3495.0	DFT-s-OFDM 64 QAM	1@243	23.22	23.32	0.2148
78	30	90	633000	3495.0	DFT-s-OFDM 256 QAM	120@60	21.27	21.37	0.1371
78	30	90	633000	3495.0	DFT-s-OFDM 256 QAM	1@1	21.89	21.99	0.1581
78	30	90	633000	3495.0	DFT-s-OFDM 256 QAM	1@243	20.85	20.95	0.1245
78	30	90	633000	3495.0	CP-OFDM QPSK	123@61	24.14	24.24	0.2655
78	30	90	633000	3495.0	CP-OFDM QPSK	1@1	24.92	25.02	0.3177
78	30	90	633000	3495.0	CP-OFDM QPSK	1@243	23.85	23.95	0.2483
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	120@60	25.04	25.14	0.3266
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.78	25.88	0.3873
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@243	24.98	25.08	0.3221
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	24.96	25.06	0.3206
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.1	25.2	0.3311
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	24.84	24.94	0.3119

78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	120@60	24.43	24.53	0.2838
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.49	25.59	0.3622
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@243	24.41	24.51	0.2825
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	120@60	23.03	23.13	0.2056
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.85	23.95	0.2483
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@243	23.03	23.13	0.2056
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	120@60	21.15	21.25	0.1334
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	22.02	22.12	0.1629
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@243	20.93	21.03	0.1268
78	30	90	633334	3500.01	CP-OFDM QPSK	123@61	24.09	24.19	0.2624
78	30	90	633334	3500.01	CP-OFDM QPSK	1@1	25.08	25.18	0.3296
78	30	90	633334	3500.01	CP-OFDM QPSK	1@243	23.99	24.09	0.2564
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	120@60	25.14	25.24	0.3342
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	25.86	25.96	0.3945
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@243	24.94	25.04	0.3192
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	25.08	25.18	0.3296
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	25.86	25.96	0.3945
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	24.92	25.02	0.3177
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	24.66	24.76	0.2992
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	25.58	25.68	0.3698
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	24.62	24.72	0.2965
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	120@60	23.21	23.31	0.2143
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@1	24.13	24.23	0.2649
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@243	22.9	23	0.1995

78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	120@60	21.19	21.29	0.1346
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@1	22.02	22.12	0.1629
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@243	20.78	20.88	0.1225
78	30	90	633666	3504.99	CP-OFDM QPSK	123@61	24.02	24.12	0.2582
78	30	90	633666	3504.99	CP-OFDM QPSK	1@1	24.94	25.04	0.3192
78	30	90	633666	3504.99	CP-OFDM QPSK	1@243	23.98	24.08	0.2559
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.91	26.01	0.3990
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.72	25.82	0.3819
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	24.72	24.82	0.3034
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	24.98	25.08	0.3221
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.52	25.62	0.3648
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	24.67	24.77	0.2999
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.44	24.54	0.2844
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.22	25.32	0.3404
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	24.41	24.51	0.2825
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	22.94	23.04	0.2014
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.93	24.03	0.2529
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	22.72	22.82	0.1914
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	20.86	20.96	0.1247
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.44	21.54	0.1426
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	20.68	20.78	0.1197
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.57	24.67	0.2931
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	24.74	24.84	0.3048
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	23.79	23.89	0.2449

<Ant.12>

Transmitter Conducted Output Power And ERP/EIRP, (G_T - L_C)=1.95dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.47	27.42	0.5521
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.79	27.74	0.5943
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	25.1	27.05	0.5070
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.56	27.51	0.5636
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.55	27.5	0.5623
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25.16	27.11	0.5140
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.44	26.39	0.4355
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.62	26.57	0.4539
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	24.41	26.36	0.4325
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.24	25.19	0.3304
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.33	25.28	0.3373
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	23.22	25.17	0.3289
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	20.66	22.61	0.1824
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.13	23.08	0.2032
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	20.72	22.67	0.1849
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.26	26.21	0.4178
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	24.43	26.38	0.4345
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	24.12	26.07	0.4046

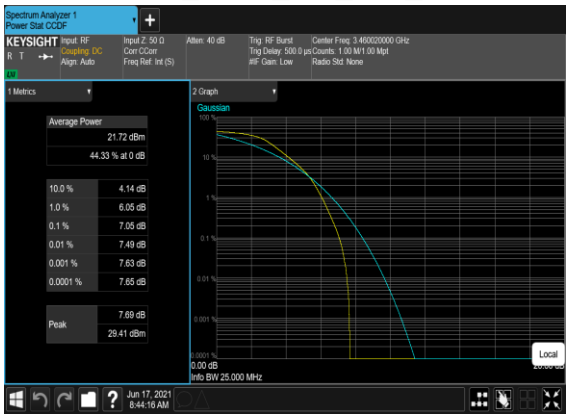
Frequency Stability

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	-0.00132	PASS	NV
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00768	PASS	LV
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.0013	PASS	HV
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00528	PASS	-30℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00891	PASS	-20℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00203	PASS	-10℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00793	PASS	0℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00436	PASS	10℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00316	PASS	20℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00103	PASS	30℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00735	PASS	40℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00622	PASS	50℃

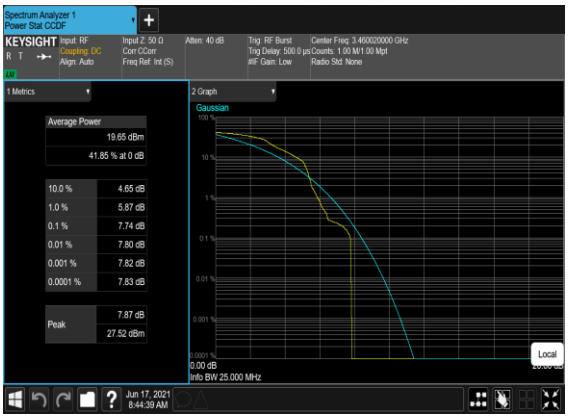
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	50@0	7.05	13	PASS
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@0	7.74	13	PASS
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	7.96	13	PASS
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	6.87	13	PASS
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	7.15	13	PASS
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	7.26	13	PASS
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	7.75	13	PASS
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	7.59	13	PASS
78	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	50@0	7.03	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	8.03	13	PASS
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	7.81	13	PASS

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

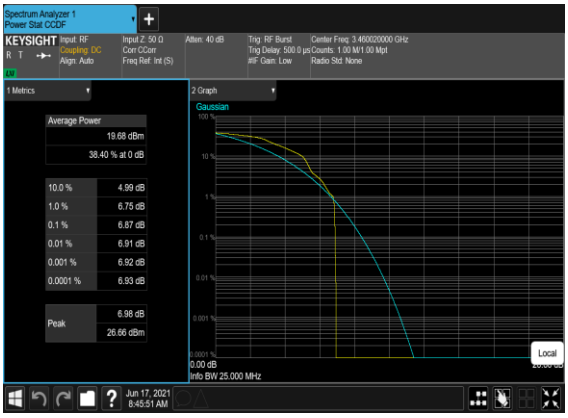


N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH

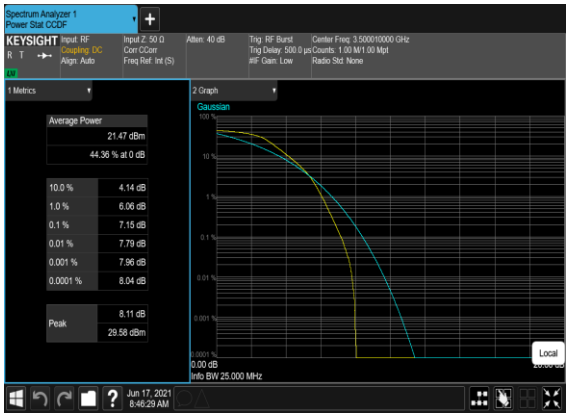


N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

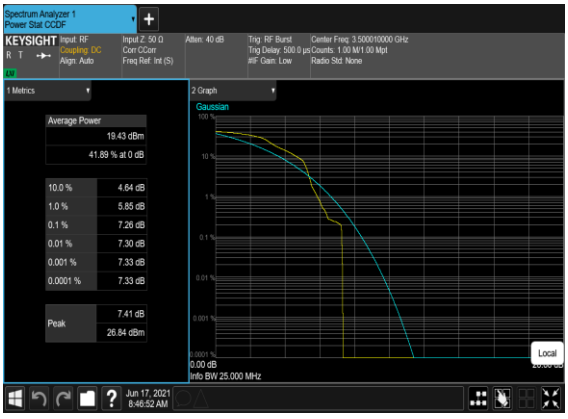
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



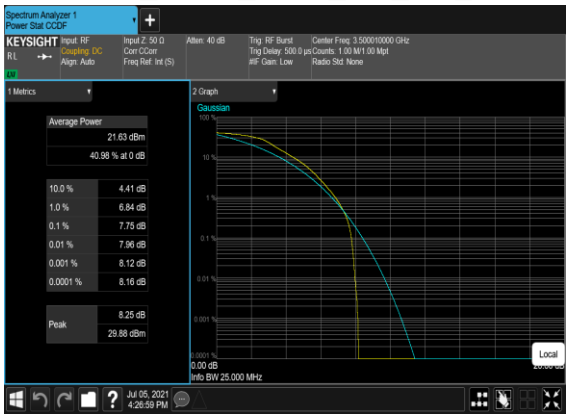
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



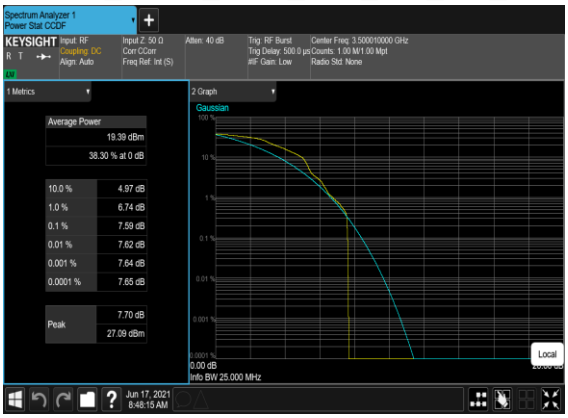
N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



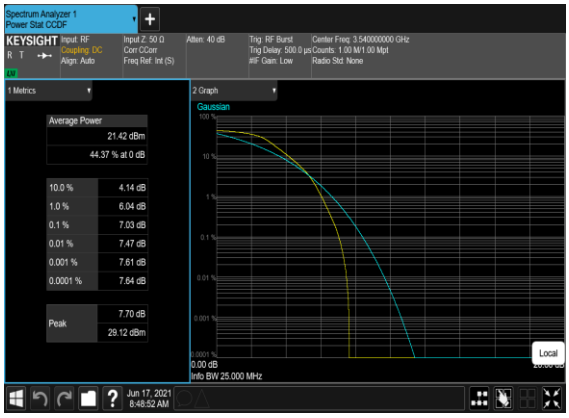
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



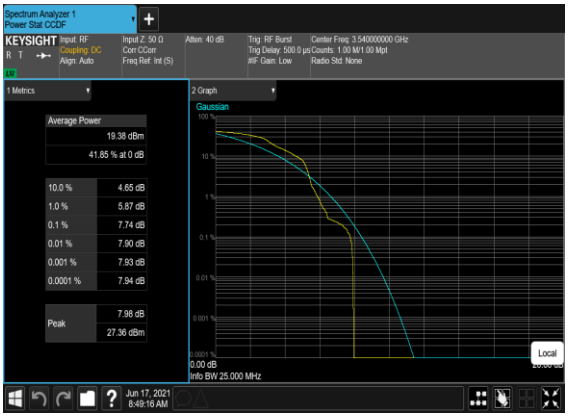
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



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

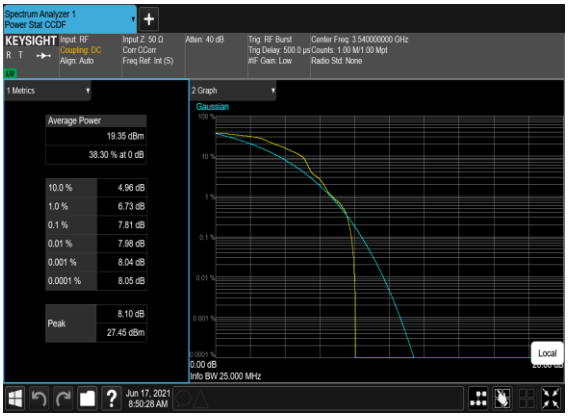


N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



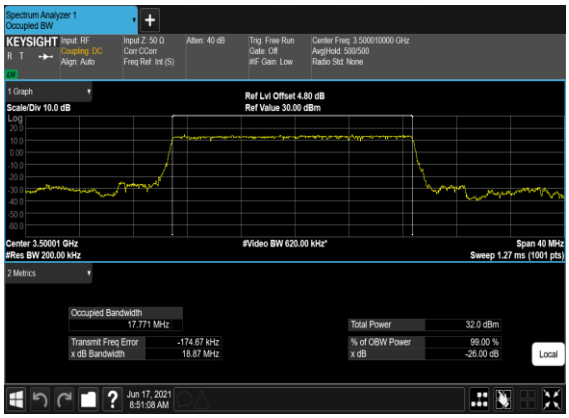
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	17.771	18.87
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	17.769	18.85
78	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.175	19.37
78	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.238	19.34
78	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.24	19.36
78	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.174	19.43
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	75@0	26.746	28.18
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	75@0	26.753	28.04
78	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.871	29.2
78	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.874	29.19
78	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.761	29.02
78	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.837	29.17
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	35.668	37.36
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	100@0	35.734	37.22
78	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.797	39.41
78	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.837	39.32
78	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.813	39.19
78	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	38.006	39.45
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	128@0	45.77	47.44
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	128@0	45.733	47.44
78	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.463	49.3
78	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.466	49.26
78	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.514	49.28
78	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.492	49.19

78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	162@0	57.872	59.86
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	162@0	57.981	59.97
78	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.809	59.96
78	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.841	59.82
78	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.759	59.79
78	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.828	59.76
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	180@0	64.273	66.34
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	180@0	64.368	66.58
78	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.375	69.64
78	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.415	69.69
78	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.429	69.67
78	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.511	69.75
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	216@0	77.126	79.73
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	216@0	77.152	79.74
78	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.445	79.96
78	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.501	80.03
78	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.523	80.01
78	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.469	79.97
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	240@0	85.791	88.65
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	240@0	85.772	88.53
78	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.491	90.33
78	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.395	90.33
78	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.517	90.24
78	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.317	90.21
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	96.695	99.58
78	30	100	633334	3500.01	DFT-s-OFDM	270@0	96.248	99.51

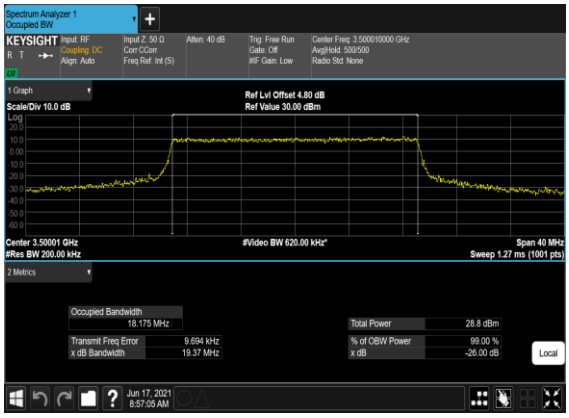
					QPSK			
78	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.353	100.6
78	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.488	100.5
78	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.457	100.6
78	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.455	100.5

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

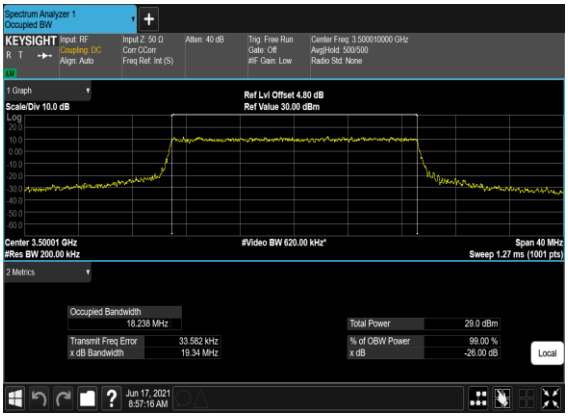


N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

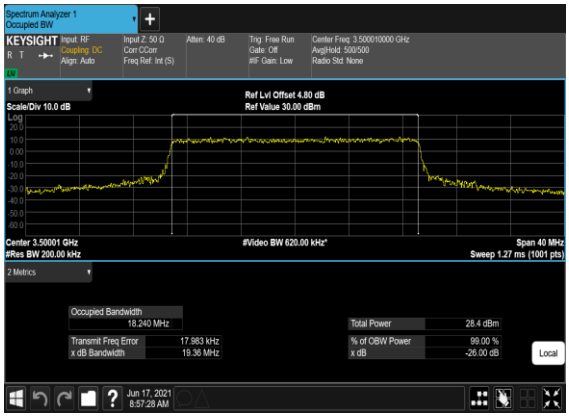
N78(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N78(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N78(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

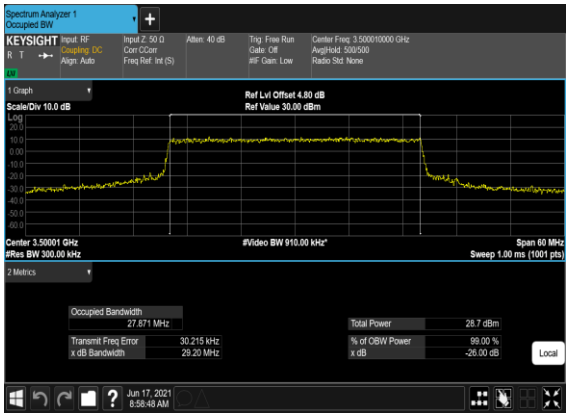


N78(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

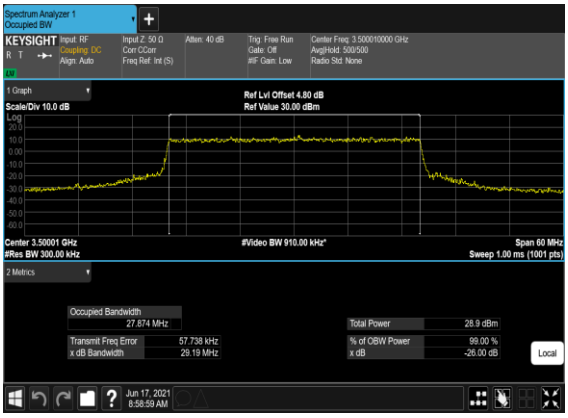
N78(30M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

N78(30M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

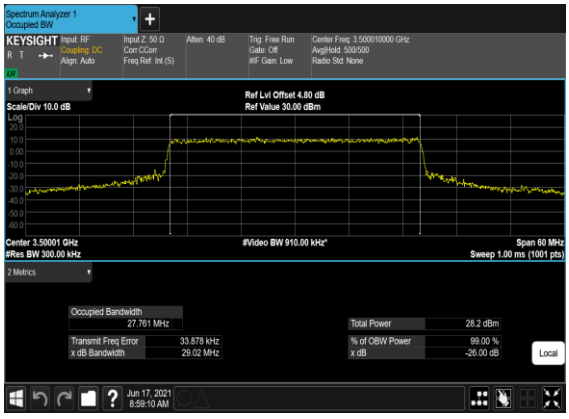
N78(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N78(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

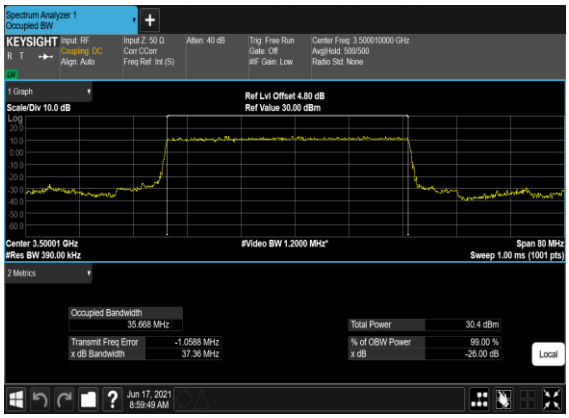


N78(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

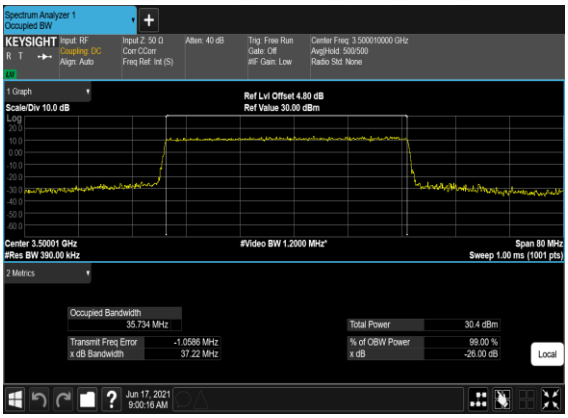


N78(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

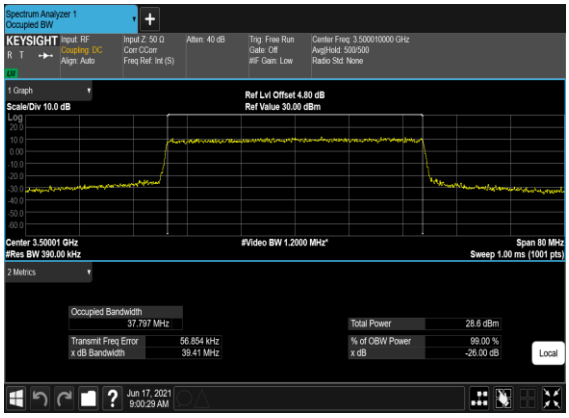
N78(40M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



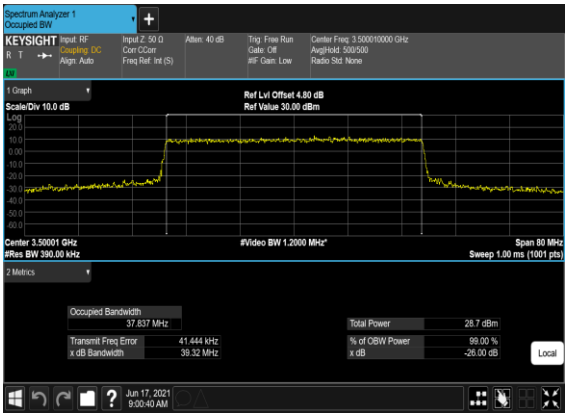
N78(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



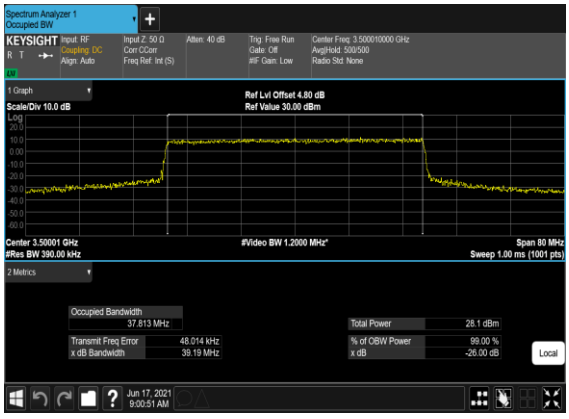
N78(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N78(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

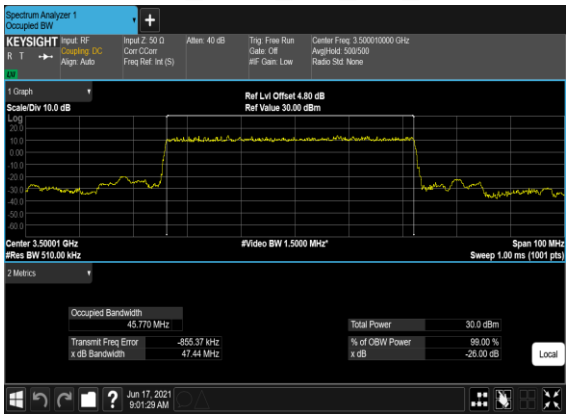


N78(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

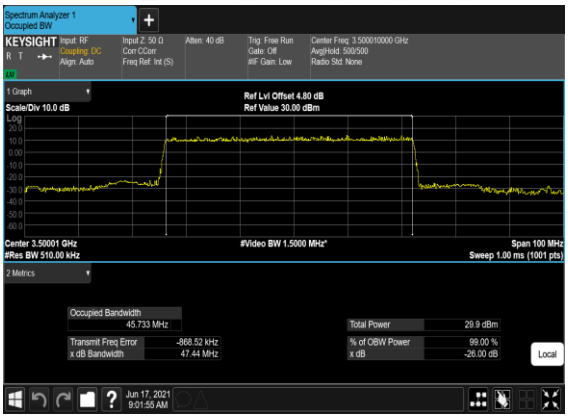


N78(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

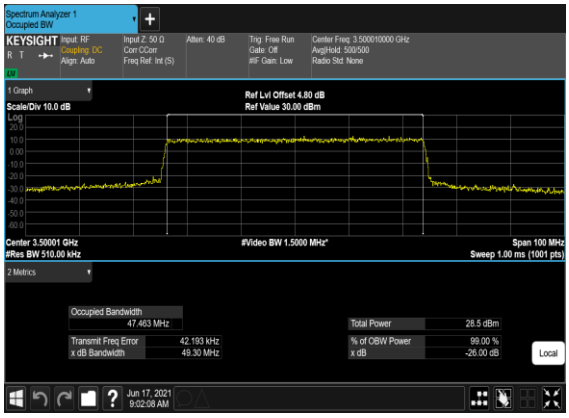
N78(50M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



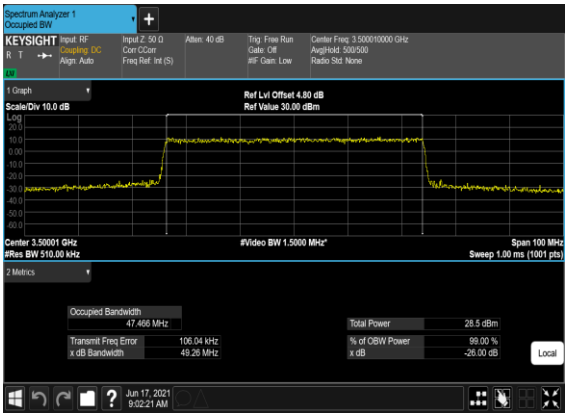
N78(50M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



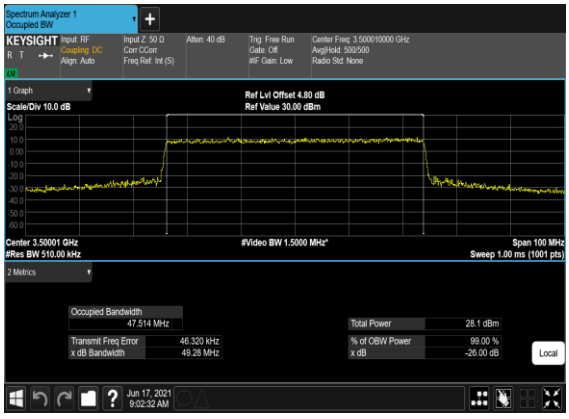
N78(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N78(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

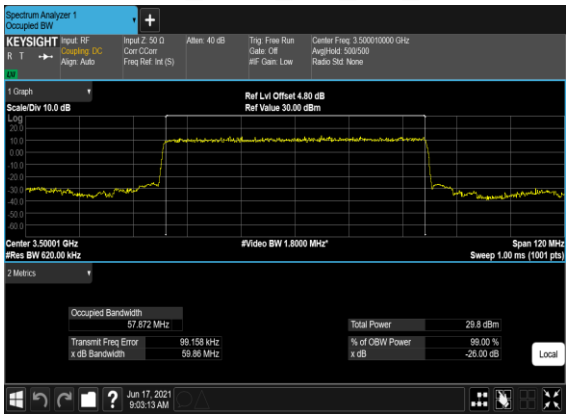


N78(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

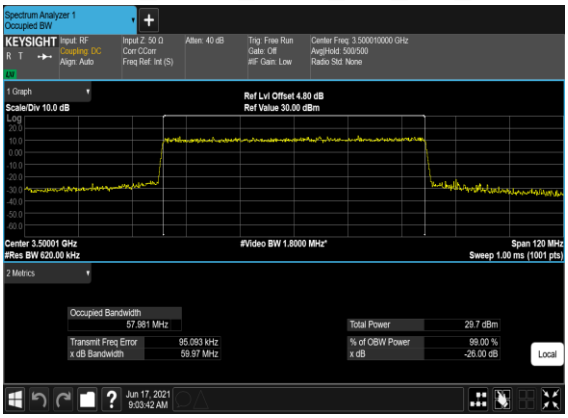


N78(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

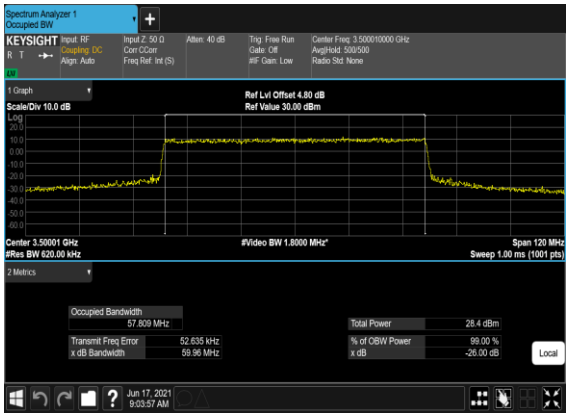
N78(60M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



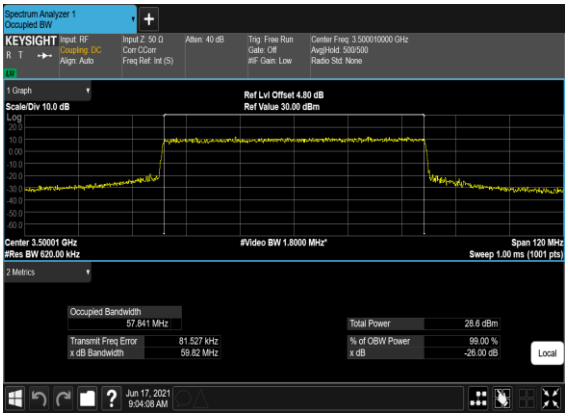
N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



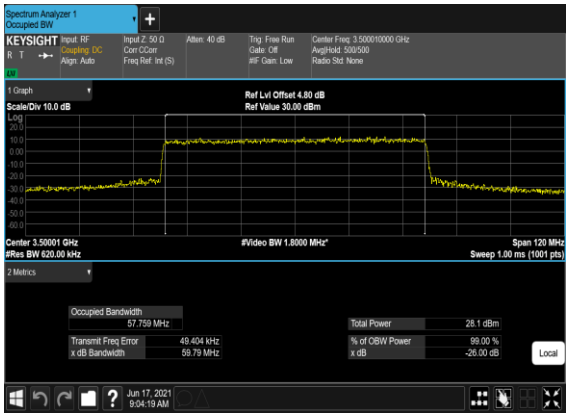
N78(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N78(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

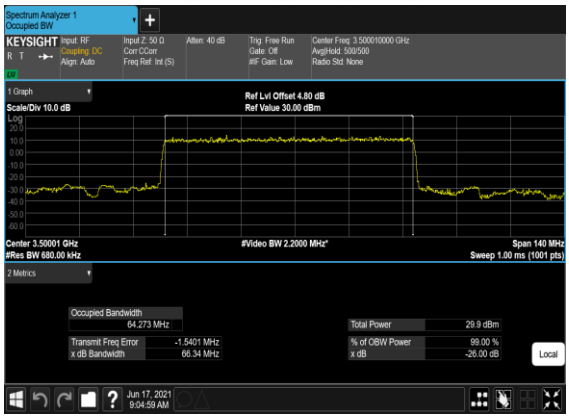


N78(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

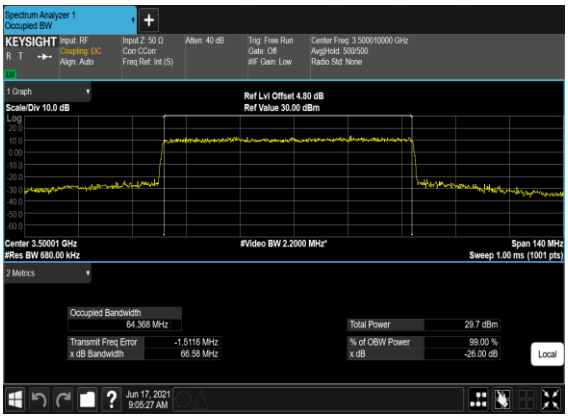


N78(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

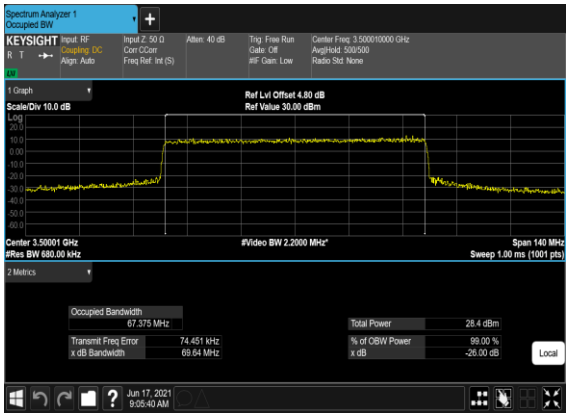
N78(70M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



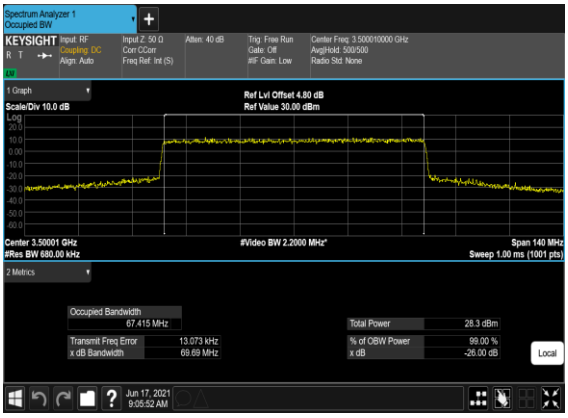
N78(70M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



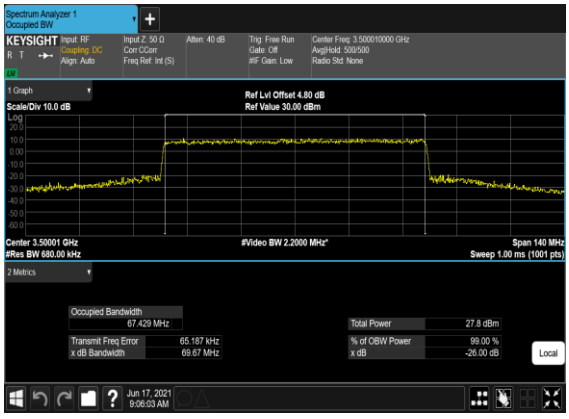
N78(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N78(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH