FCC RF Test Report

APPLICANT	: Motorola Mobility LLC
EQUIPMENT	: Mobile Cellular Phone
BRAND NAME	: Motorola
MODEL NAME	: XT2171-1
FCC ID	: IHDT56ZX3
STANDARD	: 47 CFR Part 2, Part 27 Subpart Q
CLASSIFICATION	: PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	: Sep. 15, 2021 ~ Sep. 27, 2021

We, Sporton International (ShenZhen) 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.

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

Reviewed by: Derreck Chen / Supervisor

Approved by: Eric Shih / Manager

Sporton International (ShenZhen) Inc.

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People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG180409E	Rev. 01	Initial issue of report	Oct. 08, 2021

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	—	Report Only	-
3.5	§27.50 (k)(4)	Peak-to-Average Ratio	<13dB	PASS	
3.6	§27.50 (k)(3)	EIRP	EIRP < 1W (30dBm)	PASS	-
3.7	§2.1049	Occupied Bandwidth	—	Report Only	-
3.8	§2.1051 §27.53 (n)(2)	Conducted Band Edge Measurement	-13dBm/MHz	PASS	-
3.9	§2.1051 §27.53 (n)(2)	Conducted Spurious Emission	-13dBm/MHz	PASS	-
3.10	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within the band	PASS	-
4.4	§2.1053 §27.53 (n)(2)	Radiated Spurious Emission	-13dBm/MHz	PASS	Under limit 34.03 dB at 10500.030 MHz

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

1 General Description

1.1 Applicant

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.2 Manufacturer

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2171-1
FCC ID	IHDT56ZX3
IMEI Code	Conducted : 351368590021354/351368590021362 Radiation : 351368590018913/351368590018921
HW Version	DVT2
SW Version	RRYA31.Q3-23
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Product Feature	
Tx/Rx Frequency	5G NR n78: 3450 MHz ~ 3550 MHz
Bandwidth	20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz
SCS	15kHz
Maximum Output Power to Antenna	5G NR n78 : 25.70 dBm
Antenna Gain	5G NR n78 : -3.3 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. 5G NR bands supports NSA mode only. For NSA mode of all 5G NR, we only show the combination of the maximum power among all NSA combinations in the report.
2. 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.
3. The EN-DC combinations declared by the manufacturer are as follows: DC_2A_n78A,

DC_4A_n78A, DC_5A_n78A, DC_7A_n78A, DC_38A_n78A and DC_66A_n78A.

4. 5G NR n78 supports HPUE.

1.5 Modification of EUT

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

1.6 Maximum EIRP Power and Emission Designator

5G NR n78 (EN DC_2A-n78A)		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	**Frequency Range (MHz)**	**Maximum EIRP(W)**	**Emission Designator (99%OBW)**	**Maximum EIRP(W)**	**Emission Designator (99%OBW)**
20	3460.02 ~ 3540.00	0.1730	18M2G7D	0.1355	18M2W7D
30	3465.00 ~ 3534.99	0.1706	27M8G7D	0.1435	27M8W7D
40	3470.01 ~ 3529.98	0.1702	37M8G7D	0.1340	37M8W7D
50	3475.02 ~ 3525.00	0.1629	47M5G7D	0.1309	47M4W7D
60	3480.00 ~ 3519.99	0.1660	57M9G7D	0.1358	57M8W7D
70	3485.01 ~ 3514.98	0.1644	67M5G7D	0.1346	67M5W7D
80	3490.02 ~ 3510.00	0.1607	77M5G7D	0.1294	77M6W7D
90	3495.00 ~ 3504.99	0.1622	87M6G7D	0.1306	87M5W7D
100	3500.01 ~ 3500.01	0.1738	97M5G7D	0.1247	97M5W7D

Note: All modulations have been tested, only the worst test results of PSK & QAM are shown in the report.

1.7 Testing Site

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

1.8 Test Software

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

1.9 Applied Standards

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

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

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.

2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

1.10 Specification of Accessory

Specification of Accessory				
AC Adapter 1(US)	**Brand Name**	Motorola (Chenyang)	**Model Name**	MC-101
AC Adapter 1(EU)	**Brand Name**	Motorola (Chenyang)	**Model Name**	MC-102
AC Adapter 1(UK)	**Brand Name**	Motorola (Chenyang)	**Model Name**	MC-103
AC Adapter 1(AU)	**Brand Name**	Motorola (Chenyang)	**Model Name**	MC-105
AC Adapter 2(US)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-101
AC Adapter 2(EU)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-102
AC Adapter 2(UK)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-103
AC Adapter 2(AU)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-105
AC Adapter 3(US)	**Brand Name**	Motorola(Aohai)	**Model Name**	MC-101
AC Adapter 3(EU)	**Brand Name**	Motorola(Aohai)	**Model Name**	MC-102
AC Adapter 3(UK)	**Brand Name**	Motorola(Aohai)	**Model Name**	MC-103
AC Adapter 3(AU)	**Brand Name**	Motorola (Aohai)	**Model Name**	MC-105
AC Adapter 4(US)	**Brand Name**	Motorola (Chenyang)	**Model Name**	MC-201
AC Adapter 4(AR)	**Brand Name**	Motorola (Chenyang)	**Model Name**	MC-206
AC Adapter 5(US)	**Brand Name**	Motorola (Acbel)	**Model Name**	MC-201
AC Adapter 5(AR)	**Brand Name**	Motorola (Acbel)	**Model Name**	MC-206
AC Adapter 5(CHILE)	**Brand Name**	Motorola (Acbel)	**Model Name**	MC-209
AC Adapter 6(IN)	**Brand Name**	Motorola (Chenyang)	**Model Name**	MC-204
AC Adapter 7IN)	**Brand Name**	Motorola (Aohai)	**Model Name**	MC-204
AC Adapter 8(BR Local build)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-207
AC Adapter 9(BR Local build)	**Brand Name**	Motorola (Flex)	**Model Name**	MC-207
AC Adapter 10(US)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-201
Battery	**Brand Name**	Motorola (ATL)	**Model Name**	JK50
Earphone 1	**Brand Name**	Motorola (Juwei)	**Model Name**	MH202(JWEP1182-T03H)
Earphone 2	**Brand Name**	Motorola (New Leader)	**Model Name**	MH202(NLD-EM313A-11SF)
Earphone 3	**Brand Name**	Motorola (Juwei)	**Model Name**	MH191(JWEP1209-T03H)
Earphone 4	**Brand Name**	Motorola (New Leader)	**Model Name**	MH191(NLD-EM313A-21SF)
USB Cable 1	**Brand Name**	Motorola (Chuangyitong)	**Model Name**	88806-024
USB Cable 2	**Brand Name**	Motorola (SUNTOPS)	**Model Name**	336258
USB Cable 3	**Brand Name**	Motorola (I SHENG)	**Model Name**	SC18C28955

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.

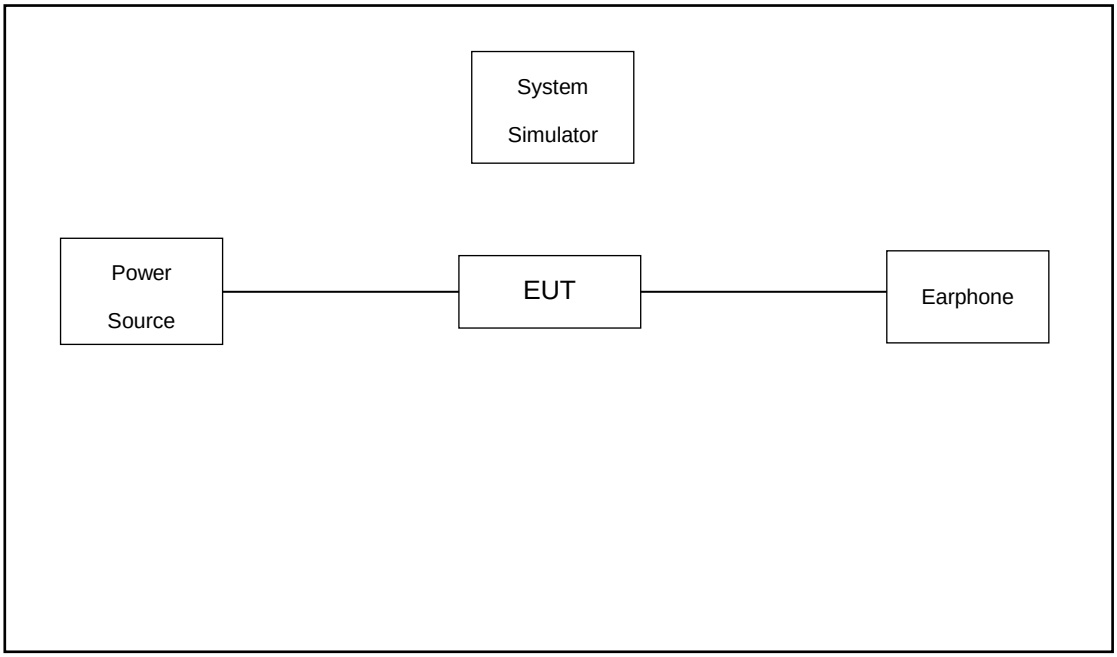
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

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

Note:

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

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	MT8820C	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.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 4.8 dB.

Example :

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

= 4.8 (dB)

2.5 Frequency List of Low/Middle/High Channels

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

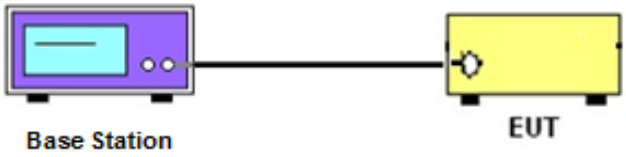
3 Conducted Test Items

3.1 Measuring Instruments

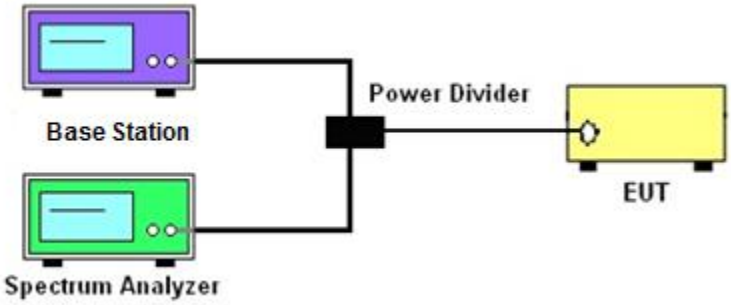
See list of measuring instruments of this test report.

3.2 Test Setup

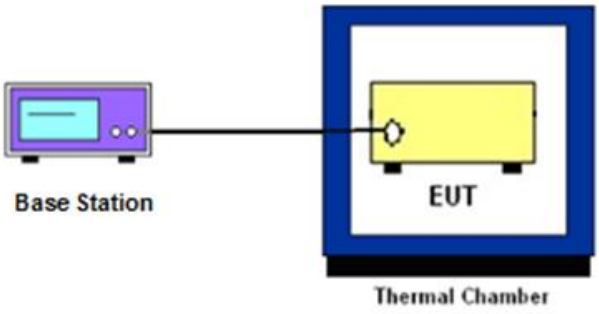
3.2.1 Conducted Output Power



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



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power Measurement

3.4.1 Description of the Conducted Output Power Measurement

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

3.4.2 Test Procedures

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

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

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

3.5.2 Test Procedures

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

3.6 EIRP

3.6.1 Description of EIRP Limit

§ 27.50 (k)(3)

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

3.6.2 Test Procedures

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

   P_T = transmitter output power in dBm

   G_T = gain of the transmitting antenna in dBi

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

3.7 Occupied Bandwidth

3.7.1 Description of Occupied Bandwidth Measurement

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

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

3.7.2 Test Procedures

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

3.8 Conducted Band Edge Measurement

3.8.1 Description of Conducted Band Edge Measurement

§ 27.53 (n)(2)

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

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

3.8.2 Test Procedures

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

3.9 Conducted Spurious Emission Measurement

3.9.1 Description of Conducted Spurious Emission Measurement

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

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

3.9.2 Test Procedures

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

3.10 Frequency Stability Measurement

3.10.1 Description of Frequency Stability Measurement

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

3.10.2 Test Procedures for Temperature Variation

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

3.10.3 Test Procedures for Voltage Variation

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

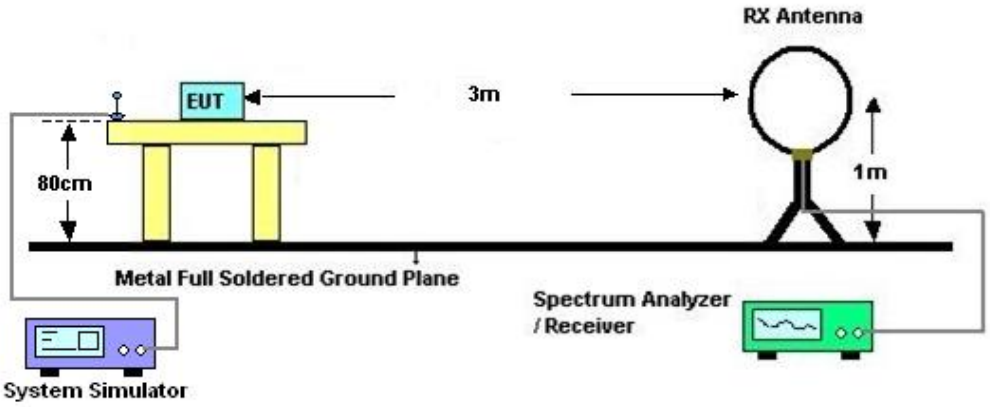
4 Radiated Test Items

4.1 Measuring Instruments

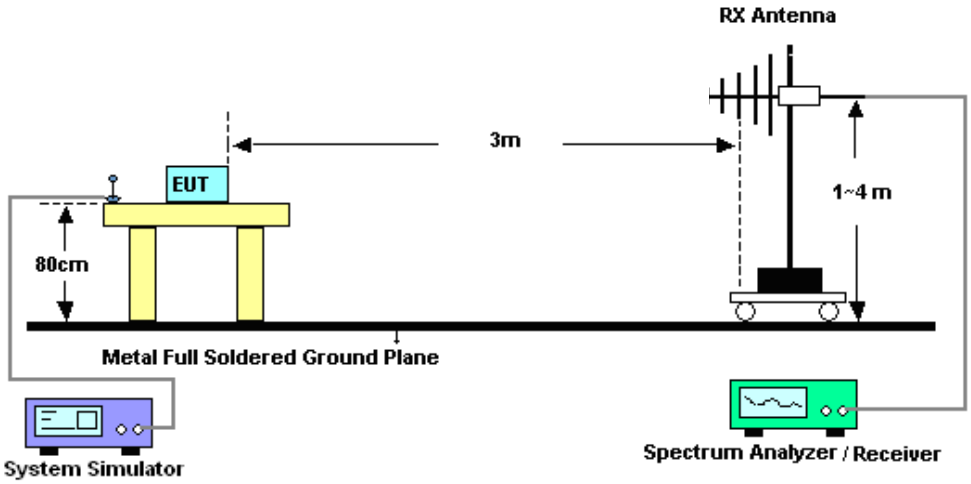
See list of measuring instruments of this test report.

4.2 Test Setup

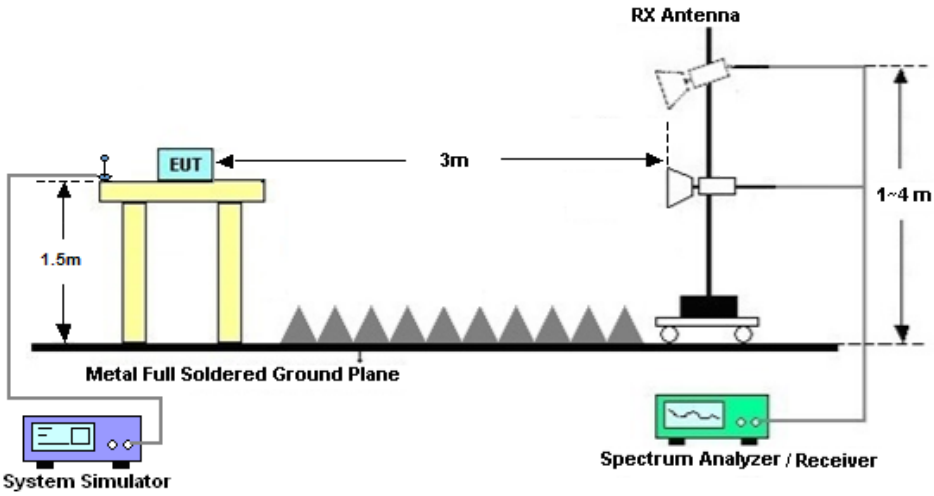
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission Measurement

4.4.1 Description of Radiated Spurious Emission

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

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

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

4.4.2 Test Procedures

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

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 08, 2021	Sep. 15, 2021	Apr. 07, 2022	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V，3A	Oct. 15, 2020	Sep. 15, 2021	Oct. 14, 2021	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04265	60.06.020.0077	0.4GHz~26.5GHz	Dec. 26, 2020	Sep. 15, 2021	Dec. 25, 2021	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 14, 2021	Sep. 15, 2021	Jul. 13, 2022	Conducted (TH01-SZ)
EMI Test Receiver&SA	Agilent	N9038A	MY52260185	20Hz~26.5GHz	Dec. 03, 2020	Sep. 27, 2021	Dec. 02, 2021	Radiation (03CH01-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2020	Sep. 27, 2021	Jun. 21, 2022	Radiation (03CH01-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct.16, 2020	Sep. 27, 2021	Oct.15, 2021	Radiation (03CH01-SZ
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Jul. 15, 2021	Sep. 27, 2021	Jul. 14, 2022	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 24, 2021	Sep. 27, 2021	Jul. 23, 2022	Radiation (03CH01-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 11, 2021	Sep. 27, 2021	Apr. 10 2022	Radiation (03CH01-SZ)
LF Amplifier	Burgeon	BPA-530	102209	0.01~3000Mhz	Apr. 07, 2021	Sep. 27, 2021	Apr. 06, 2022	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 15, 2020	Sep. 27, 2021	Oct. 14, 2021	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 20, 2021	Sep. 27, 2021	Jul. 19, 2022	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Sep. 27, 2021	NCR	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Sep. 27, 2021	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Sep. 27, 2021	NCR	Radiation (03CH01-SZ)

NCR: No Calibration Required

6 Uncertainty of Evaluation

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.48dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.53dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.02dB**

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Appendix A. Test Results of Conducted Test

Software Version: 21.02.091501

FR1 N78

LTE Band: 2, LTE BW: 10M, LTE ARFCN: Mid

Transmitter Conducted Output Power And ERP/EIRP, (G_T - L_C)=-3.3dB

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	25.35	22.05	0.1603
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	25.47	22.17	0.1648
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	25.31	22.01	0.1589
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	25.43	22.13	0.1633
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	25.43	22.13	0.1633
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	25.35	22.05	0.1603
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	24.46	21.16	0.1306
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	24.52	21.22	0.1324
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	24.35	21.05	0.1274
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	22.91	19.61	0.0914
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	22.92	19.62	0.0916
78	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	22.91	19.61	0.0914
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	20.91	17.61	0.0577
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	20.99	17.69	0.0587
78	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	20.96	17.66	0.0583
78	30	20	630668	3460.02	CP-OFDM QPSK	25@12	23.97	20.67	0.1167
78	30	20	630668	3460.02	CP-OFDM QPSK	1@1	23.97	20.67	0.1167
78	30	20	630668	3460.02	CP-OFDM QPSK	1@49	24.01	20.71	0.1178

78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	25.55	22.25	0.1679
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.62	22.32	0.1706
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	25.41	22.11	0.1626
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	25.54	22.24	0.1675
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.6	22.3	0.1698
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	25.41	22.11	0.1626
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	24.48	21.18	0.1312
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.6	21.3	0.1349
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	24.58	21.28	0.1343
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	23.06	19.76	0.0946
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.96	19.66	0.0925
78	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	22.83	19.53	0.0897
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	21	17.7	0.0589
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.07	17.77	0.0598
78	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	21.01	17.71	0.0590
78	30	20	633334	3500.01	CP-OFDM QPSK	25@12	24.05	20.75	0.1189
78	30	20	633334	3500.01	CP-OFDM QPSK	1@1	24.06	20.76	0.1191
78	30	20	633334	3500.01	CP-OFDM QPSK	1@49	24.01	20.71	0.1178
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	25@12	25.61	22.31	0.1702
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	25.51	22.21	0.1663
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@49	25.56	22.26	0.1683
78	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	25.55	22.25	0.1679
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.68	22.38	0.1730
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	25.55	22.25	0.1679

78	30	20	636000	3540	DFT-s-OFDM 16 QAM	25@12	24.51	21.21	0.1321
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	24.62	21.32	0.1355
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@49	24.45	21.15	0.1303
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	25@12	23.12	19.82	0.0959
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	23.02	19.72	0.0938
78	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@49	23.06	19.76	0.0946
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	25@12	21.07	17.77	0.0598
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	21.18	17.88	0.0614
78	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@49	20.93	17.63	0.0579
78	30	20	636000	3540	CP-OFDM QPSK	25@12	24.04	20.74	0.1186
78	30	20	636000	3540	CP-OFDM QPSK	1@1	24.04	20.74	0.1186
78	30	20	636000	3540	CP-OFDM QPSK	1@49	24.09	20.79	0.1199
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	36@18	25.42	22.12	0.1629
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	25.47	22.17	0.1648
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@76	25.42	22.12	0.1629
78	30	30	631000	3465	DFT-s-OFDM QPSK	36@18	25.49	22.19	0.1656
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	25.43	22.13	0.1633
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@76	25.5	22.2	0.1660
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	36@18	24.49	21.19	0.1315
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	24.5	21.2	0.1318
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@76	24.6	21.3	0.1349
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	36@18	23.06	19.76	0.0946
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@1	23	19.7	0.0933
78	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@76	23.04	19.74	0.0942

78	30	30	631000	3465	DFT-s-OFDM 256 QAM	36@18	20.97	17.67	0.0585
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@1	20.99	17.69	0.0587
78	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@76	21	17.7	0.0589
78	30	30	631000	3465	CP-OFDM QPSK	39@19	23.75	20.45	0.1109
78	30	30	631000	3465	CP-OFDM QPSK	1@1	23.85	20.55	0.1135
78	30	30	631000	3465	CP-OFDM QPSK	1@76	23.85	20.55	0.1135
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	25.5	22.2	0.1660
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.56	22.26	0.1683
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@76	25.33	22.03	0.1596
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	25.56	22.26	0.1683
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.62	22.32	0.1706
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	25.31	22.01	0.1589
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	24.57	21.27	0.1340
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.87	21.57	0.1435
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	24.37	21.07	0.1279
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	23.12	19.82	0.0959
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.23	19.93	0.0984
78	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@76	22.96	19.66	0.0925
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	21.06	17.76	0.0597
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.09	17.79	0.0601
78	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@76	20.92	17.62	0.0578
78	30	30	633334	3500.01	CP-OFDM QPSK	39@19	24.12	20.82	0.1208
78	30	30	633334	3500.01	CP-OFDM QPSK	1@1	24.07	20.77	0.1194
78	30	30	633334	3500.01	CP-OFDM QPSK	1@76	23.85	20.55	0.1135
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	36@18	25.48	22.18	0.1652

78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	25.5	22.2	0.1660
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@76	25.39	22.09	0.1618
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	25.42	22.12	0.1629
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	25.55	22.25	0.1679
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	25.46	22.16	0.1644
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	24.55	21.25	0.1334
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.52	21.22	0.1324
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	24.46	21.16	0.1306
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	36@18	23.1	19.8	0.0955
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	23.13	19.83	0.0962
78	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@76	23	19.7	0.0933
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	36@18	20.91	17.61	0.0577
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	21.04	17.74	0.0594
78	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@76	21	17.7	0.0589
78	30	30	635666	3534.99	CP-OFDM QPSK	39@19	24.04	20.74	0.1186
78	30	30	635666	3534.99	CP-OFDM QPSK	1@1	23.98	20.68	0.1169
78	30	30	635666	3534.99	CP-OFDM QPSK	1@76	23.86	20.56	0.1138
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	25.46	22.16	0.1644
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	25.54	22.24	0.1675
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	25.47	22.17	0.1648
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	25.43	22.13	0.1633
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.39	22.09	0.1618
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	25.43	22.13	0.1633
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	24.48	21.18	0.1312

78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.51	21.21	0.1321
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	24.54	21.24	0.1330
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	23.04	19.74	0.0942
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	22.8	19.5	0.0891
78	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	22.99	19.69	0.0931
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	20.99	17.69	0.0587
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	20.95	17.65	0.0582
78	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	20.91	17.61	0.0577
78	30	40	631334	3470.01	CP-OFDM QPSK	53@26	23.99	20.69	0.1172
78	30	40	631334	3470.01	CP-OFDM QPSK	1@1	24.02	20.72	0.1180
78	30	40	631334	3470.01	CP-OFDM QPSK	1@104	24.04	20.74	0.1186
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	25.59	22.29	0.1694
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.52	22.22	0.1667
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	25.41	22.11	0.1626
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	25.46	22.16	0.1644
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.61	22.31	0.1702
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	25.38	22.08	0.1614
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	24.51	21.21	0.1321
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.57	21.27	0.1340
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	24.35	21.05	0.1274
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	23.04	19.74	0.0942
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.92	19.62	0.0916
78	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	22.97	19.67	0.0927
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	21.11	17.81	0.0604

78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.04	17.74	0.0594
78	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	20.95	17.65	0.0582
78	30	40	633334	3500.01	CP-OFDM QPSK	53@26	23.94	20.64	0.1159
78	30	40	633334	3500.01	CP-OFDM QPSK	1@1	24.14	20.84	0.1213
78	30	40	633334	3500.01	CP-OFDM QPSK	1@104	23.95	20.65	0.1161
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	25.45	22.15	0.1641
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	25.55	22.25	0.1679
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	25.47	22.17	0.1648
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	25.46	22.16	0.1644
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	25.58	22.28	0.1690
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	25.49	22.19	0.1656
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	24.5	21.2	0.1318
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	24.5	21.2	0.1318
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	24.56	21.26	0.1337
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	22.95	19.65	0.0923
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	22.92	19.62	0.0916
78	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	22.89	19.59	0.0910
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	21.04	17.74	0.0594
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	21.23	17.93	0.0621
78	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	20.93	17.63	0.0579
78	30	40	635332	3529.98	CP-OFDM QPSK	53@26	23.98	20.68	0.1169
78	30	40	635332	3529.98	CP-OFDM QPSK	1@1	24.05	20.75	0.1189
78	30	40	635332	3529.98	CP-OFDM QPSK	1@104	24.01	20.71	0.1178
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	64@32	25.39	22.09	0.1618
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	25.21	21.91	0.1552

78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	25.34	22.04	0.1600
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	25.39	22.09	0.1618
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	25.27	21.97	0.1574
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	25.15	21.85	0.1531
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	24.47	21.17	0.1309
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	24.34	21.04	0.1271
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	24.27	20.97	0.1250
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	22.86	19.56	0.0904
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	23.05	19.75	0.0944
78	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	22.74	19.44	0.0879
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	20.91	17.61	0.0577
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	20.7	17.4	0.0550
78	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	20.76	17.46	0.0557
78	30	50	631668	3475.02	CP-OFDM QPSK	67@33	23.93	20.63	0.1156
78	30	50	631668	3475.02	CP-OFDM QPSK	1@1	23.83	20.53	0.1130
78	30	50	631668	3475.02	CP-OFDM QPSK	1@131	23.69	20.39	0.1094
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	25.42	22.12	0.1629
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.36	22.06	0.1607
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	25.14	21.84	0.1528
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	25.36	22.06	0.1607
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.35	22.05	0.1603
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	25.14	21.84	0.1528
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	24.35	21.05	0.1274
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.32	21.02	0.1265

78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	24.2	20.9	0.1230
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	23.02	19.72	0.0938
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.01	19.71	0.0935
78	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	23.09	19.79	0.0953
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	20.82	17.52	0.0565
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.94	17.64	0.0581
78	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	20.67	17.37	0.0546
78	30	50	633334	3500.01	CP-OFDM QPSK	67@33	23.9	20.6	0.1148
78	30	50	633334	3500.01	CP-OFDM QPSK	1@1	23.9	20.6	0.1148
78	30	50	633334	3500.01	CP-OFDM QPSK	1@131	23.71	20.41	0.1099
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	64@32	25.33	22.03	0.1596
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	25.3	22	0.1585
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@131	25.23	21.93	0.1560
78	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	25.4	22.1	0.1622
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.35	22.05	0.1603
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	25.19	21.89	0.1545
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	64@32	24.42	21.12	0.1294
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.34	21.04	0.1271
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@131	24.41	21.11	0.1291
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	64@32	22.87	19.57	0.0906
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	23.1	19.8	0.0955
78	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@131	22.79	19.49	0.0889
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	64@32	20.84	17.54	0.0568
78	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	20.92	17.62	0.0578

78	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@131	20.7	17.4	0.0550
78	30	50	635000	3525	CP-OFDM QPSK	67@33	23.87	20.57	0.1140
78	30	50	635000	3525	CP-OFDM QPSK	1@1	23.85	20.55	0.1135
78	30	50	635000	3525	CP-OFDM QPSK	1@131	23.85	20.55	0.1135
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	81@40	25.41	22.11	0.1626
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	25.31	22.01	0.1589
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@160	25.19	21.89	0.1545
78	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	25.48	22.18	0.1652
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	25.39	22.09	0.1618
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	25.15	21.85	0.1531
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	81@40	24.5	21.2	0.1318
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	24.32	21.02	0.1265
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@160	24.18	20.88	0.1225
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	81@40	22.85	19.55	0.0902
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@1	22.79	19.49	0.0889
78	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@160	22.58	19.28	0.0847
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	81@40	21.01	17.71	0.0590
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@1	20.84	17.54	0.0568
78	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@160	20.76	17.46	0.0557
78	30	60	632000	3480	CP-OFDM QPSK	81@40	23.99	20.69	0.1172
78	30	60	632000	3480	CP-OFDM QPSK	1@1	23.91	20.61	0.1151
78	30	60	632000	3480	CP-OFDM QPSK	1@160	23.86	20.56	0.1138
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	81@40	25.37	22.07	0.1611
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.31	22.01	0.1589
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	25.23	21.93	0.1560

78	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	25.37	22.07	0.1611
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.36	22.06	0.1607
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	25.25	21.95	0.1567
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	24.44	21.14	0.1300
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.3	21	0.1259
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	24.26	20.96	0.1247
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	22.95	19.65	0.0923
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.78	19.48	0.0887
78	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	22.82	19.52	0.0895
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	20.86	17.56	0.0570
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.88	17.58	0.0573
78	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	20.7	17.4	0.0550
78	30	60	633334	3500.01	CP-OFDM QPSK	81@40	23.84	20.54	0.1132
78	30	60	633334	3500.01	CP-OFDM QPSK	1@1	23.89	20.59	0.1146
78	30	60	633334	3500.01	CP-OFDM QPSK	1@160	23.71	20.41	0.1099
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	25.4	22.1	0.1622
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	25.39	22.09	0.1618
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	25.18	21.88	0.1542
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	25.37	22.07	0.1611
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.5	22.2	0.1660
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	25.22	21.92	0.1556
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	24.44	21.14	0.1300
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	24.63	21.33	0.1358
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	24.34	21.04	0.1271

78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	22.86	19.56	0.0904
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	22.81	19.51	0.0893
78	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	22.62	19.32	0.0855
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	20.93	17.63	0.0579
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	20.98	17.68	0.0586
78	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	20.71	17.41	0.0551
78	30	60	634666	3519.99	CP-OFDM QPSK	81@40	23.91	20.61	0.1151
78	30	60	634666	3519.99	CP-OFDM QPSK	1@1	24.03	20.73	0.1183
78	30	60	634666	3519.99	CP-OFDM QPSK	1@160	23.72	20.42	0.1102
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	90@45	25.35	22.05	0.1603
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	25.33	22.03	0.1596
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@187	25.08	21.78	0.1507
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	25.3	22	0.1585
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	25.34	22.04	0.1600
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	25.02	21.72	0.1486
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	90@45	24.26	20.96	0.1247
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	24.05	20.75	0.1189
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@187	24.13	20.83	0.1211
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	90@45	22.74	19.44	0.0879
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@1	22.74	19.44	0.0879
78	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@187	22.55	19.25	0.0841
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	90@45	20.75	17.45	0.0556
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@1	20.79	17.49	0.0561
78	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@187	20.56	17.26	0.0532

78	30	70	632334	3485.01	CP-OFDM QPSK	95@47	23.7	20.4	0.1096
78	30	70	632334	3485.01	CP-OFDM QPSK	1@1	23.72	20.42	0.1102
78	30	70	632334	3485.01	CP-OFDM QPSK	1@187	23.61	20.31	0.1074
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	90@45	25.34	22.04	0.1600
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.3	22	0.1585
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@187	25.01	21.71	0.1483
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	25.39	22.09	0.1618
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.26	21.96	0.1570
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	25.07	21.77	0.1503
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	90@45	24.27	20.97	0.1250
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.35	21.05	0.1274
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@187	24.17	20.87	0.1222
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	90@45	22.81	19.51	0.0893
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.67	19.37	0.0865
78	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@187	22.54	19.24	0.0839
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	90@45	20.8	17.5	0.0562
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.87	17.57	0.0571
78	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@187	20.65	17.35	0.0543
78	30	70	633334	3500.01	CP-OFDM QPSK	95@47	23.82	20.52	0.1127
78	30	70	633334	3500.01	CP-OFDM QPSK	1@1	23.78	20.48	0.1117
78	30	70	633334	3500.01	CP-OFDM QPSK	1@187	23.62	20.32	0.1076
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	90@45	25.33	22.03	0.1596
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	25.36	22.06	0.1607
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@187	25.03	21.73	0.1489
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	90@45	25.3	22	0.1585

78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	25.46	22.16	0.1644
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	25.06	21.76	0.1500
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	90@45	24.37	21.07	0.1279
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	24.59	21.29	0.1346
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@187	24.02	20.72	0.1180
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	90@45	22.8	19.5	0.0891
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@1	22.79	19.49	0.0889
78	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@187	22.39	19.09	0.0811
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	90@45	20.81	17.51	0.0564
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@1	20.86	17.56	0.0570
78	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@187	20.68	17.38	0.0547
78	30	70	634332	3514.98	CP-OFDM QPSK	95@47	23.85	20.55	0.1135
78	30	70	634332	3514.98	CP-OFDM QPSK	1@1	23.95	20.65	0.1161
78	30	70	634332	3514.98	CP-OFDM QPSK	1@187	23.66	20.36	0.1086
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	25.29	21.99	0.1581
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	25.12	21.82	0.1521
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	25.09	21.79	0.1510
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	25.35	22.05	0.1603
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.14	21.84	0.1528
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	25.11	21.81	0.1517
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	24.37	21.07	0.1279
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	24.11	20.81	0.1205
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	24.06	20.76	0.1191
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	22.78	19.48	0.0887

78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	22.57	19.27	0.0845
78	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	22.71	19.41	0.0873
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	20.78	17.48	0.0560
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	20.57	17.27	0.0533
78	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	20.66	17.36	0.0545
78	30	80	632668	3490.02	CP-OFDM QPSK	109@54	23.85	20.55	0.1135
78	30	80	632668	3490.02	CP-OFDM QPSK	1@1	23.69	20.39	0.1094
78	30	80	632668	3490.02	CP-OFDM QPSK	1@215	23.6	20.3	0.1072
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	25.28	21.98	0.1578
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.18	21.88	0.1542
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	25.04	21.74	0.1493
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	25.36	22.06	0.1607
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.2	21.9	0.1549
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	25.16	21.86	0.1535
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	24.37	21.07	0.1279
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.28	20.98	0.1253
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	24.42	21.12	0.1294
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	22.85	19.55	0.0902
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.87	19.57	0.0906
78	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	22.58	19.28	0.0847
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	20.88	17.58	0.0573
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.74	17.44	0.0555
78	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	20.66	17.36	0.0545
78	30	80	633334	3500.01	CP-OFDM QPSK	109@54	23.8	20.5	0.1122
78	30	80	633334	3500.01	CP-OFDM QPSK	1@1	23.75	20.45	0.1109

78	30	80	633334	3500.01	CP-OFDM QPSK	1@215	23.61	20.31	0.1074
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	108@54	25.33	22.03	0.1596
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	25.28	21.98	0.1578
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@215	25.2	21.9	0.1549
78	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	25.3	22	0.1585
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	25.3	22	0.1585
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	25.1	21.8	0.1514
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	108@54	24.27	20.97	0.1250
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	24.4	21.1	0.1288
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@215	24.09	20.79	0.1199
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	108@54	23	19.7	0.0933
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@1	22.93	19.63	0.0918
78	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@215	22.76	19.46	0.0883
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	108@54	20.87	17.57	0.0571
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@1	20.82	17.52	0.0565
78	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@215	20.65	17.35	0.0543
78	30	80	634000	3510	CP-OFDM QPSK	109@54	23.83	20.53	0.1130
78	30	80	634000	3510	CP-OFDM QPSK	1@1	23.86	20.56	0.1138
78	30	80	634000	3510	CP-OFDM QPSK	1@215	23.56	20.26	0.1062
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	120@60	25.28	21.98	0.1578
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	25.19	21.89	0.1545
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@243	25.09	21.79	0.1510
78	30	90	633000	3495	DFT-s-OFDM QPSK	120@60	25.34	22.04	0.1600
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	25.23	21.93	0.1560
78	30	90	633000	3495	DFT-s-OFDM	1@243	25.15	21.85	0.1531

					QPSK				
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	120@60	24.46	21.16	0.1306
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	24.23	20.93	0.1239
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@243	24.08	20.78	0.1197
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	120@60	22.93	19.63	0.0918
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@1	22.7	19.4	0.0871
78	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@243	22.72	19.42	0.0875
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	120@60	20.8	17.5	0.0562
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@1	20.63	17.33	0.0541
78	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@243	20.65	17.35	0.0543
78	30	90	633000	3495	CP-OFDM QPSK	123@61	23.87	20.57	0.1140
78	30	90	633000	3495	CP-OFDM QPSK	1@1	23.7	20.4	0.1096
78	30	90	633000	3495	CP-OFDM QPSK	1@243	23.69	20.39	0.1094
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	120@60	25.3	22	0.1585
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.18	21.88	0.1542
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@243	25.18	21.88	0.1542
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	25.31	22.01	0.1589
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.2	21.9	0.1549
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	25.09	21.79	0.1510
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	120@60	24.45	21.15	0.1303
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.12	20.82	0.1208
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@243	24.12	20.82	0.1208
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	120@60	22.99	19.69	0.0931
78	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.85	19.55	0.0902
78	30	90	633334	3500.01	DFT-s-OFDM 64	1@243	22.89	19.59	0.0910

					QAM				
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	120@60	20.89	17.59	0.0574
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.7	17.4	0.0550
78	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@243	20.61	17.31	0.0538
78	30	90	633334	3500.01	CP-OFDM QPSK	123@61	23.95	20.65	0.1161
78	30	90	633334	3500.01	CP-OFDM QPSK	1@1	23.67	20.37	0.1089
78	30	90	633334	3500.01	CP-OFDM QPSK	1@243	23.76	20.46	0.1112
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	120@60	25.39	22.09	0.1618
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	25.14	21.84	0.1528
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@243	25.1	21.8	0.1514
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	25.4	22.1	0.1622
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	25.28	21.98	0.1578
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	25.09	21.79	0.1510
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	24.34	21.04	0.1271
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	24.3	21	0.1259
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	24.03	20.73	0.1183
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	120@60	22.86	19.56	0.0904
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@1	22.84	19.54	0.0899
78	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@243	22.93	19.63	0.0918
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	120@60	20.89	17.59	0.0574
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@1	20.77	17.47	0.0558
78	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@243	20.59	17.29	0.0536
78	30	90	633666	3504.99	CP-OFDM QPSK	123@61	23.91	20.61	0.1151
78	30	90	633666	3504.99	CP-OFDM QPSK	1@1	23.77	20.47	0.1114
78	30	90	633666	3504.99	CP-OFDM QPSK	1@243	23.67	20.37	0.1089

78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.34	22.04	0.1600
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.7	22.4	0.1738
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	25.01	21.71	0.1483
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.31	22.01	0.1589
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.03	21.73	0.1489
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	24.96	21.66	0.1466
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.26	20.96	0.1247
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.14	20.84	0.1213
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	23.93	20.63	0.1156
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	22.78	19.48	0.0887
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.38	19.08	0.0809
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	22.47	19.17	0.0826
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	20.78	17.48	0.0560
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.6	17.3	0.0537
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	20.5	17.2	0.0525
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	23.68	20.38	0.1091
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	23.64	20.34	0.1081
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	23.56	20.26	0.1062

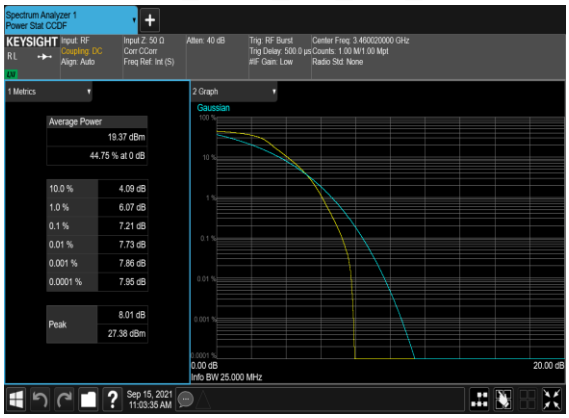
Frequency Stability

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	-0.00329	**PASS**	NV
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00227	**PASS**	LV
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00228	**PASS**	HV
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00266	**PASS**	-30℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00131	**PASS**	-20℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00111	**PASS**	-10℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00128	**PASS**	0℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00145	**PASS**	10℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00158	**PASS**	20℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00215	**PASS**	30℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00163	**PASS**	40℃
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	-0.00196	**PASS**	50℃

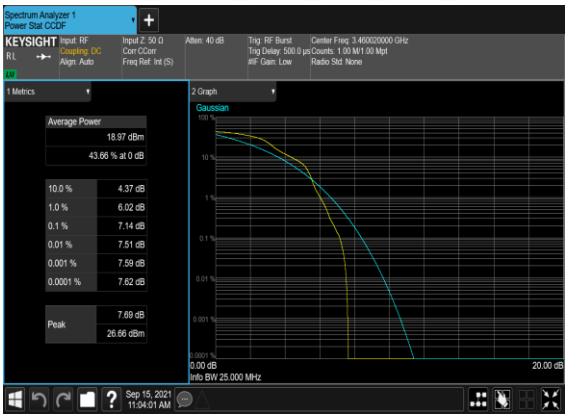
Peak to Average Radio

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	7.21	13	**PASS**
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@0	7.14	13	**PASS**
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	8.34	13	**PASS**
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	8.24	13	**PASS**
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	7.18	13	**PASS**
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	7.11	13	**PASS**
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	8.29	13	**PASS**
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	8.26	13	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	50@0	7.19	13	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@0	7.11	13	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	50@0	8.29	13	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	8.55	13	**PASS**

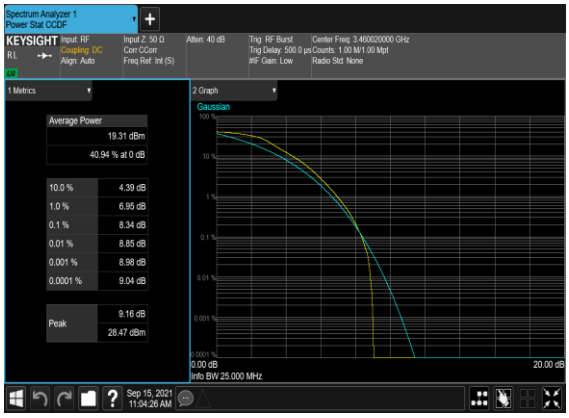
B2_N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



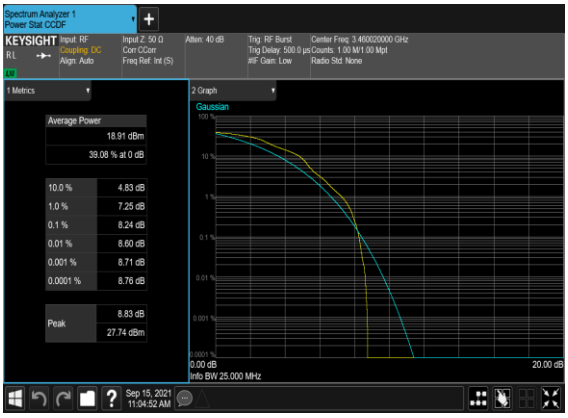
B2_N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



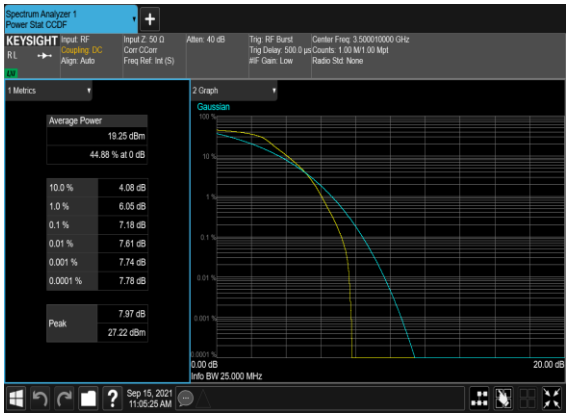
B2_N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



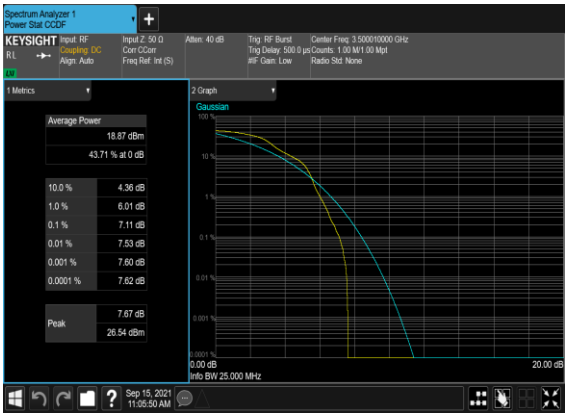
B2_N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



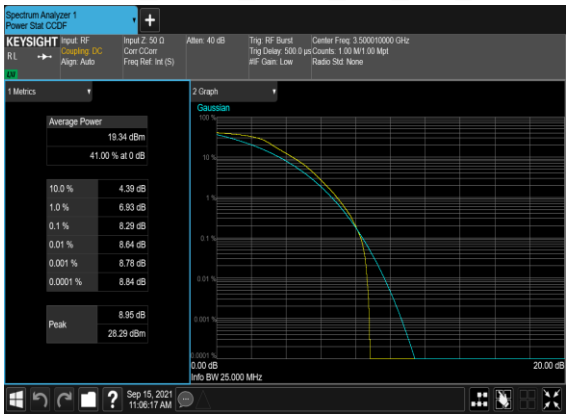
B2_N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



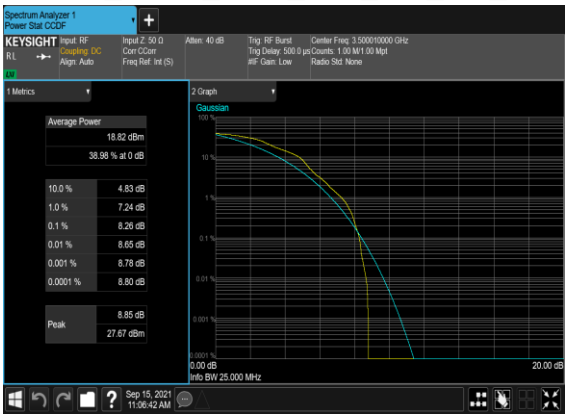
B2_N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



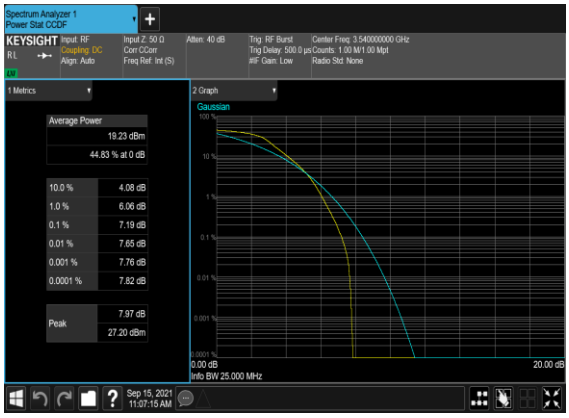
B2_N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



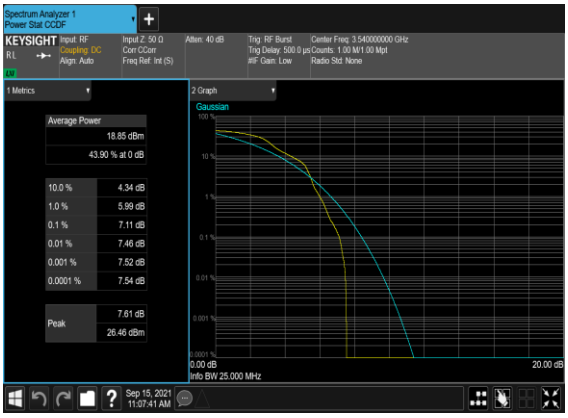
B2_N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



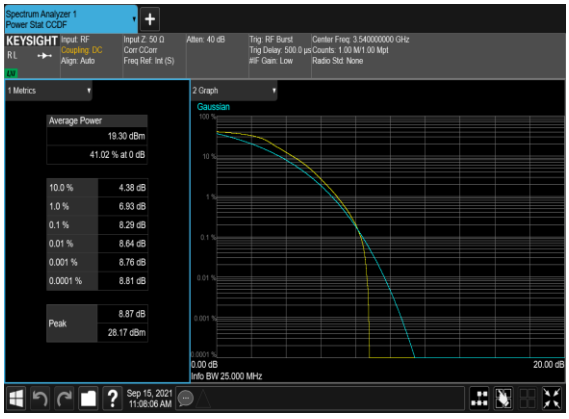
B2_N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



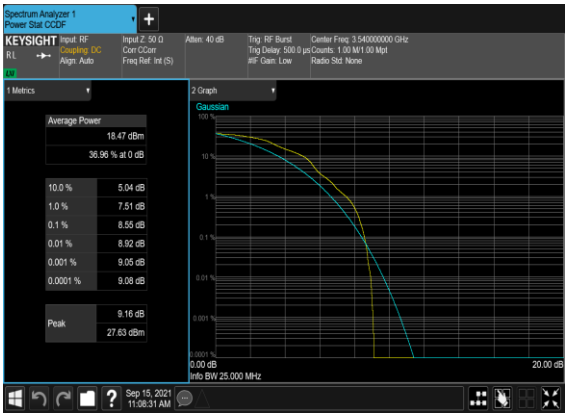
B2_N78(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



B2_N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



B2_N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



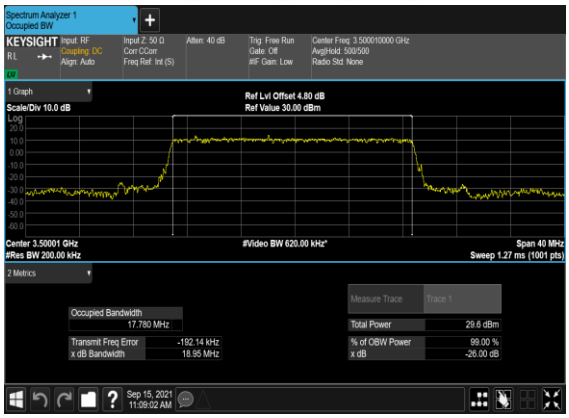
Occupied Bandwidth

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	17.78	18.95
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	17.83	18.94
78	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.167	19.45
78	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.224	19.35
78	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.212	19.4
78	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.201	19.22
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	75@0	26.778	28.07
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	75@0	26.728	28.0
78	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.848	29.13
78	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.847	29.16
78	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.793	29.25
78	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.818	29.13
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	35.678	37.21
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	100@0	35.692	37.22
78	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.764	39.41
78	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.792	39.2
78	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.83	39.34
78	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.791	39.55
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	128@0	45.694	47.5
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	128@0	45.734	47.27
78	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.494	49.33
78	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.391	49.06
78	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.43	49.18
78	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.415	49.13

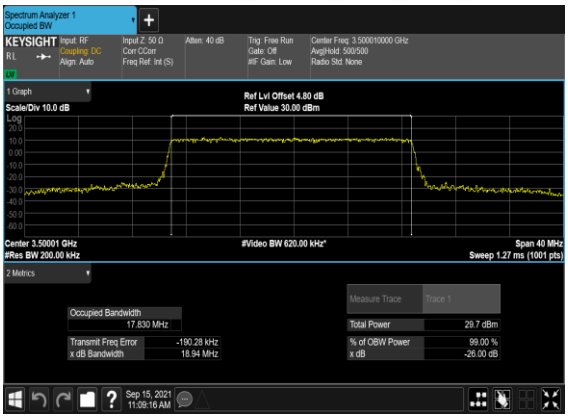
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	162@0	57.885	60.01
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	162@0	57.822	60.05
78	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.765	59.88
78	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.796	59.85
78	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.808	59.86
78	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.834	59.76
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	180@0	64.442	66.46
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	180@0	64.461	66.66
78	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.494	69.64
78	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.422	69.68
78	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.487	69.84
78	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.51	69.61
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	216@0	77.212	79.66
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	216@0	77.165	79.71
78	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.508	80.02
78	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.618	80.1
78	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.507	80.1
78	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.556	79.9
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	240@0	85.776	88.6
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	240@0	85.809	88.48
78	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.56	90.37
78	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.521	90.34
78	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.365	90.28
78	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.508	90.34
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	96.308	99.48
78	30	100	633334	3500.01	DFT-s-OFDM	270@0	96.5	99.56

					QPSK			
78	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.531	100.6
78	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.485	100.5
78	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.313	100.6
78	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.506	100.6

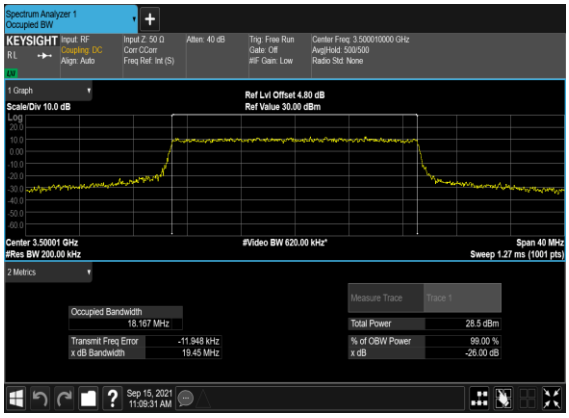
B2_N78(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



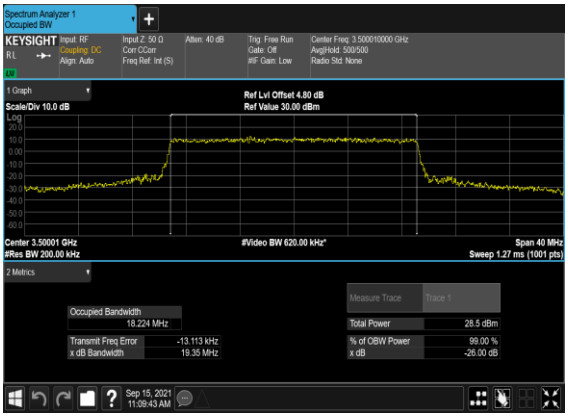
B2_N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



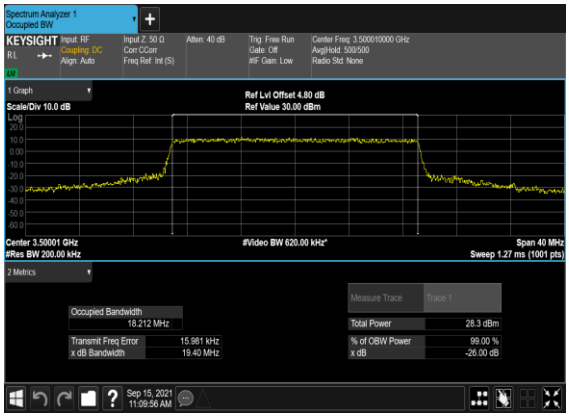
B2_N78(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



B2_N78(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

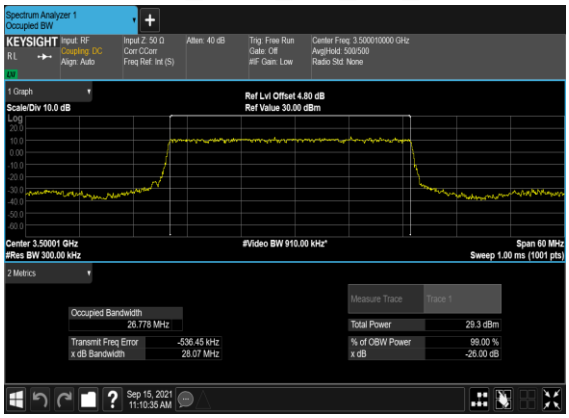


B2_N78(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



B2_N78(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

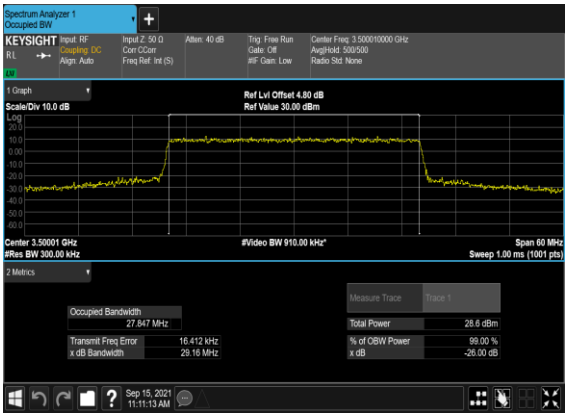
B2_N78(30M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



B2_N78(30M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

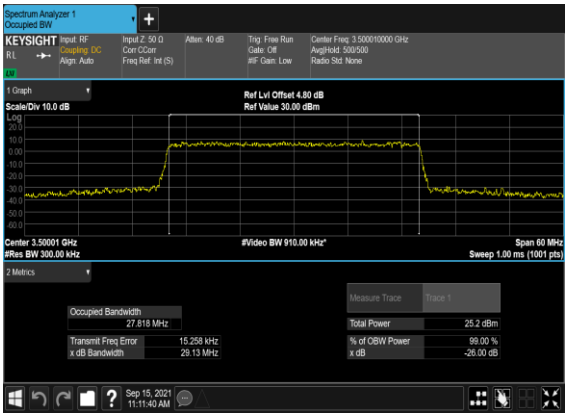
B2_N78(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

B2_N78(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

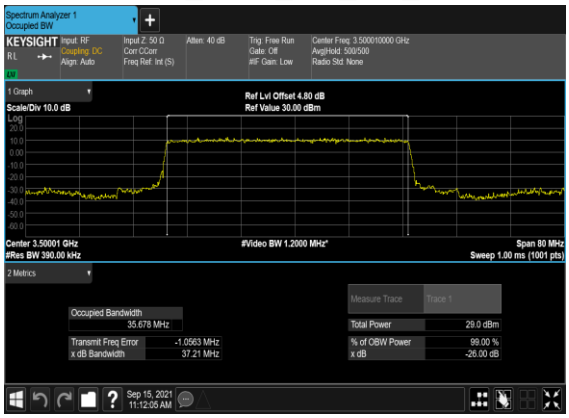


B2_N78(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

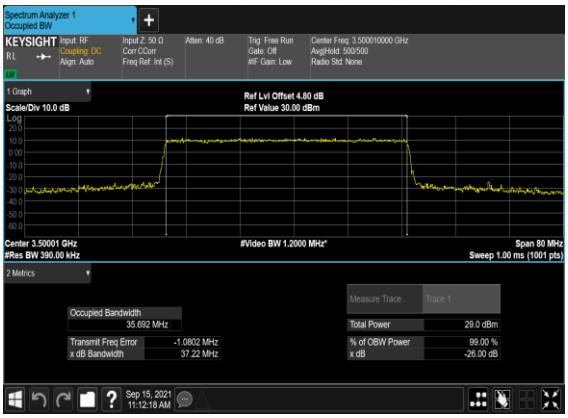
B2_N78(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



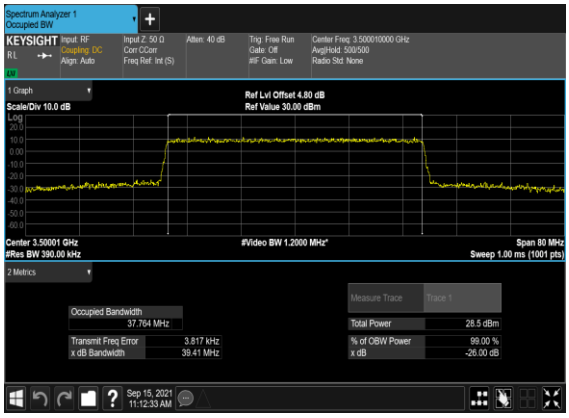
B2_N78(40M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



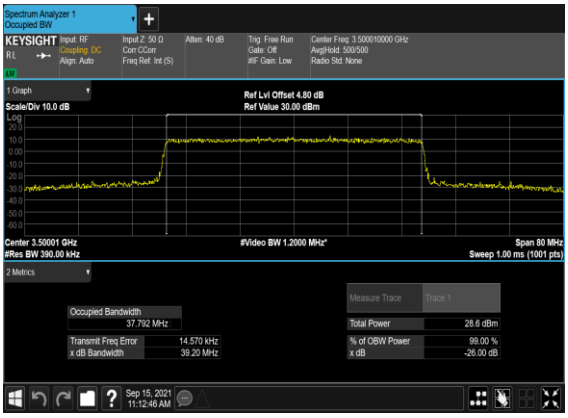
B2_N78(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



B2_N78(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

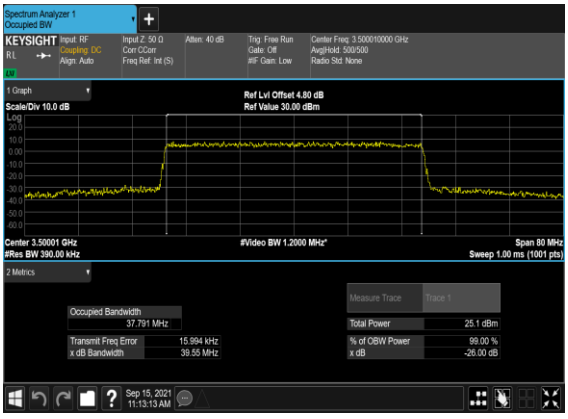


B2_N78(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

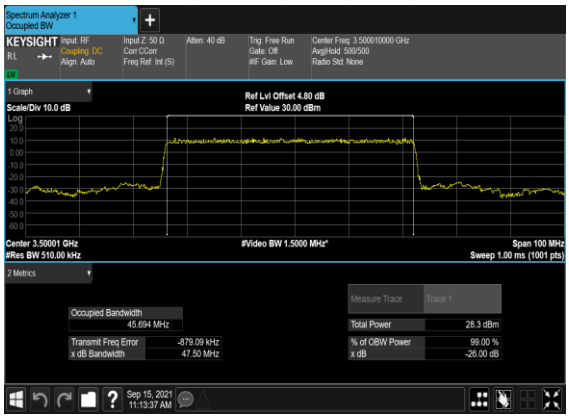


B2_N78(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

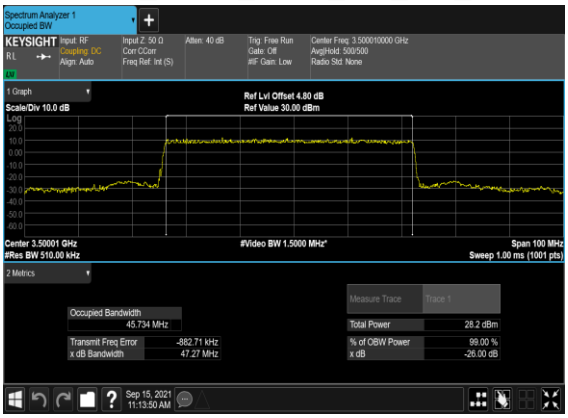
B2_N78(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



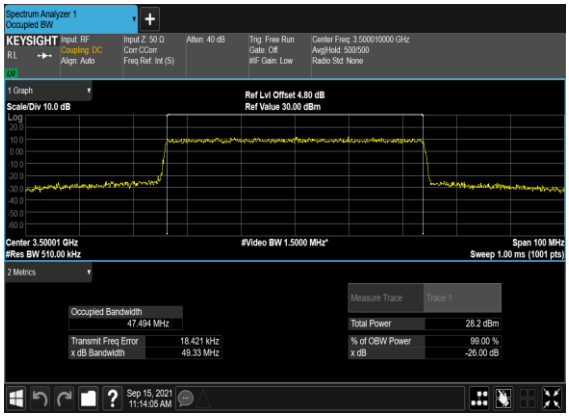
B2_N78(50M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



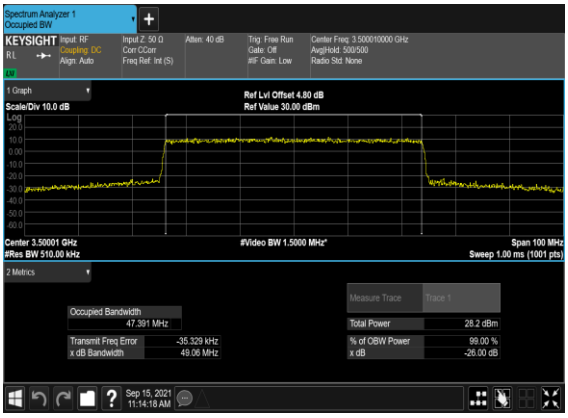
B2_N78(50M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



B2_N78(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

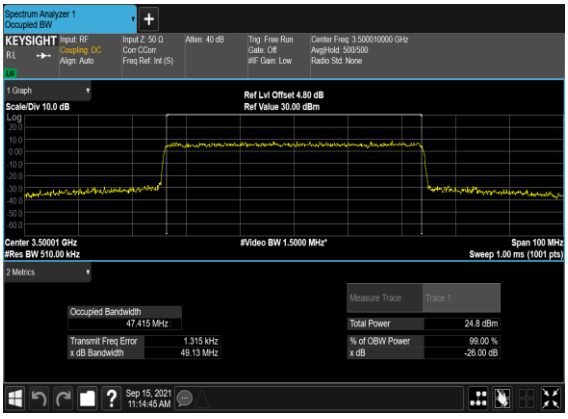


B2_N78(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

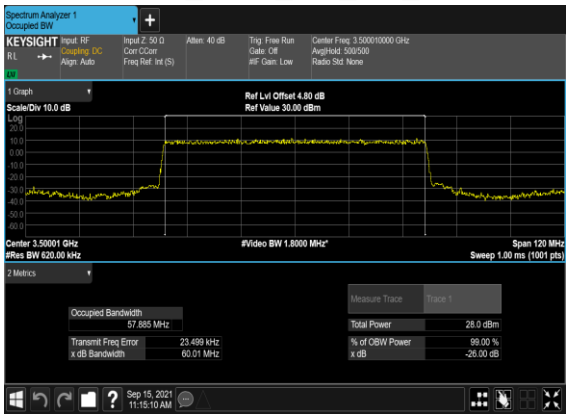


B2_N78(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

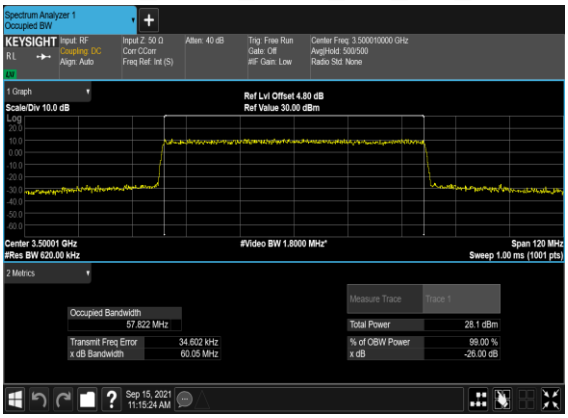
B2_N78(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



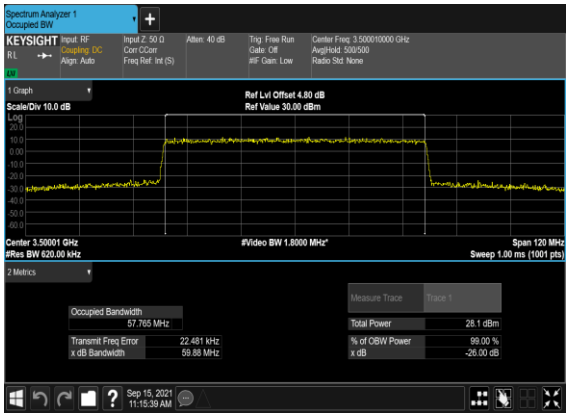
B2_N78(60M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



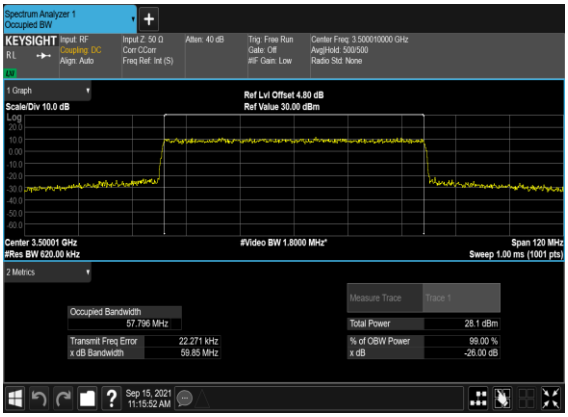
B2_N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



B2_N78(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

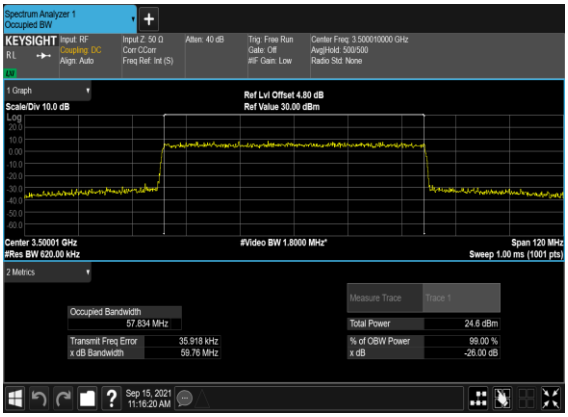


B2_N78(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

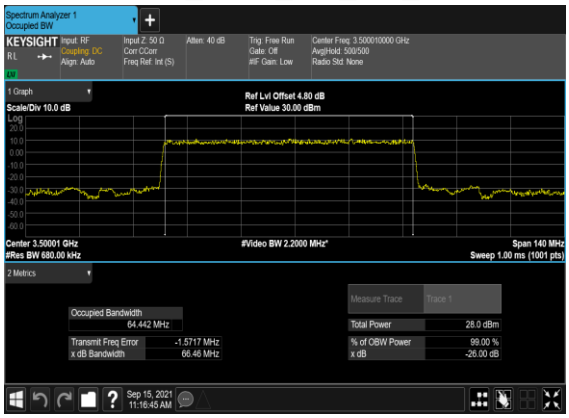


B2_N78(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

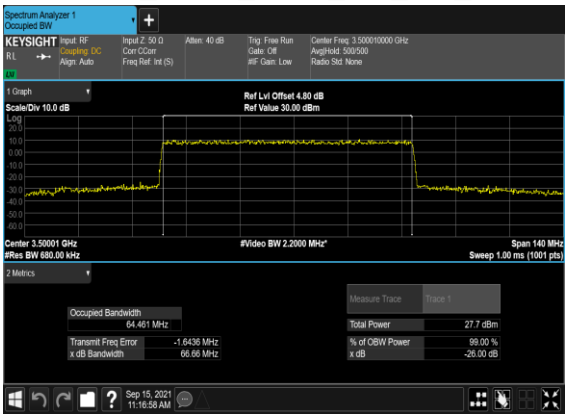
B2_N78(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



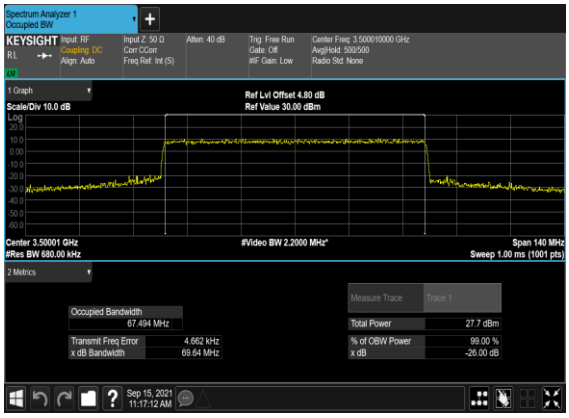
B2_N78(70M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



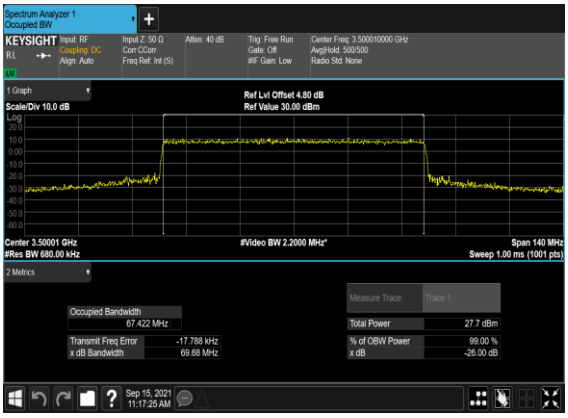
B2_N78(70M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



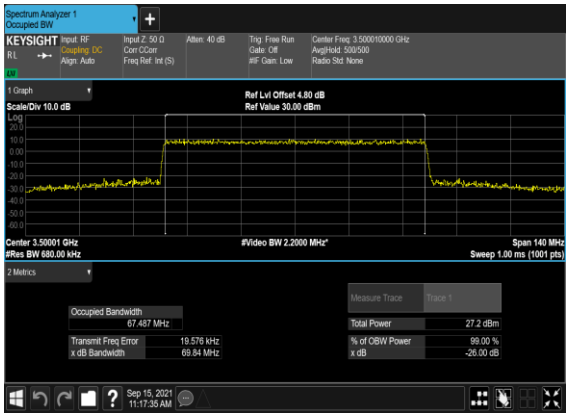
B2_N78(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



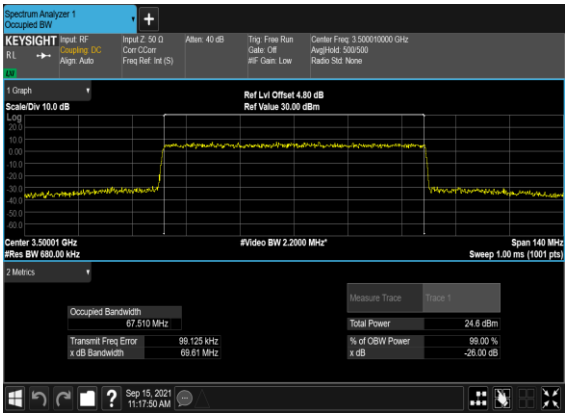
B2_N78(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



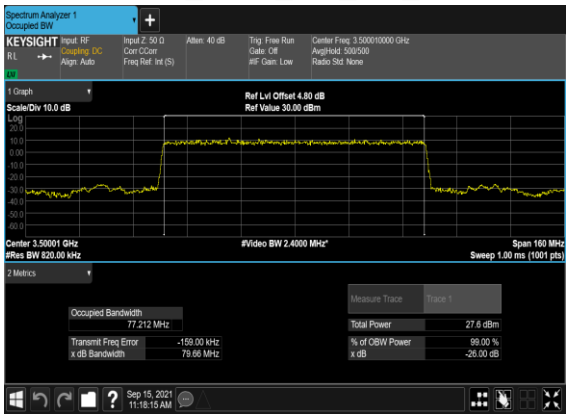
B2_N78(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



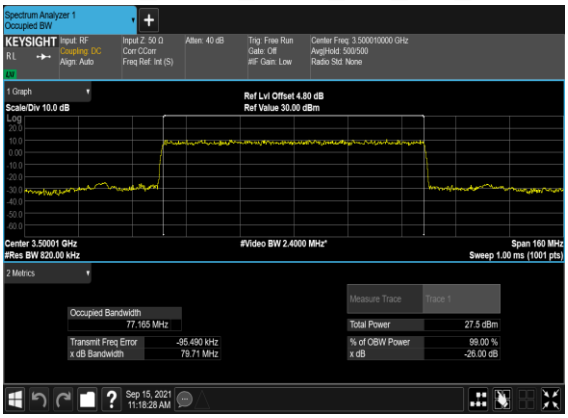
B2_N78(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



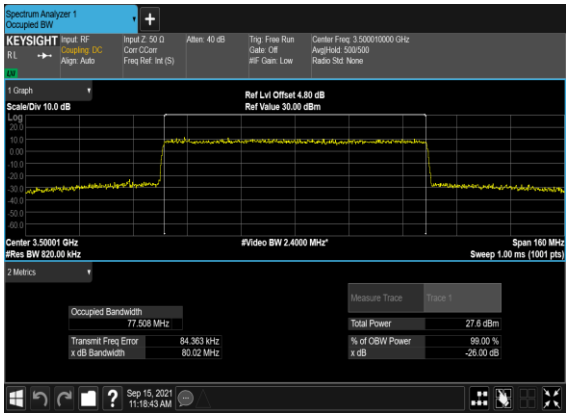
B2_N78(80M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



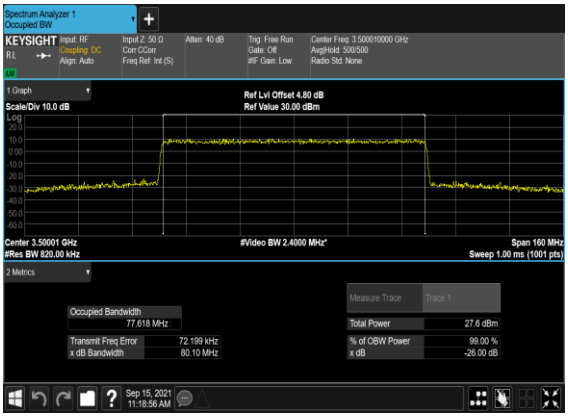
B2_N78(80M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



B2_N78(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



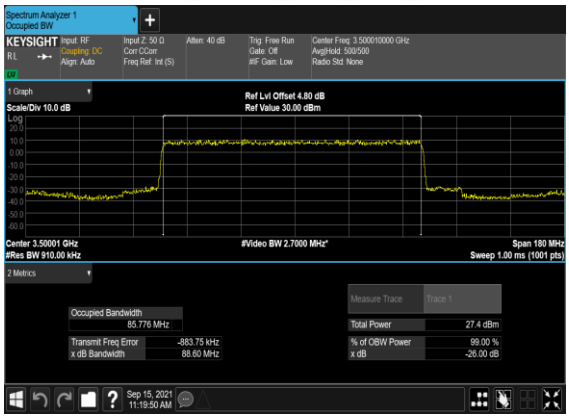
B2_N78(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



B2_N78(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

B2_N78(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

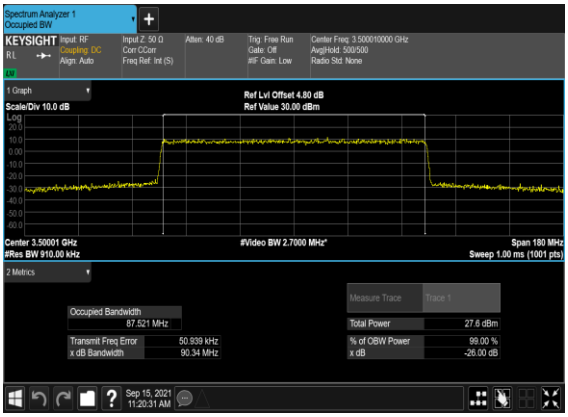
B2_N78(90M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



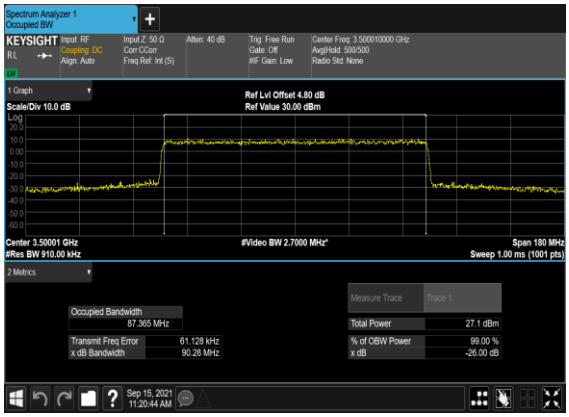
B2_N78(90M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

B2_N78(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

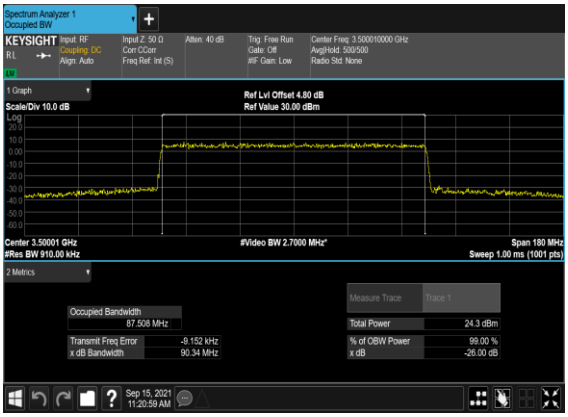
B2_N78(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



B2_N78(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



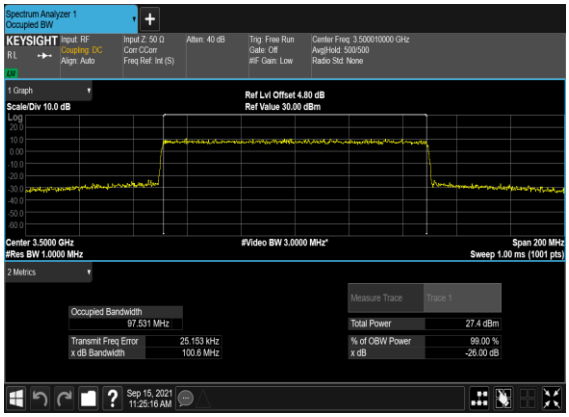
B2_N78(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



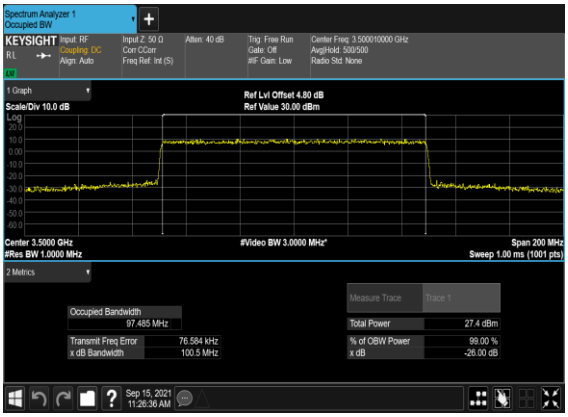
B2_N78(100M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

B2_N78(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

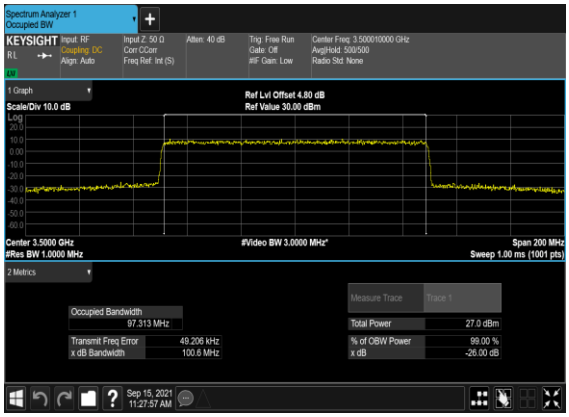
B2_N78(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



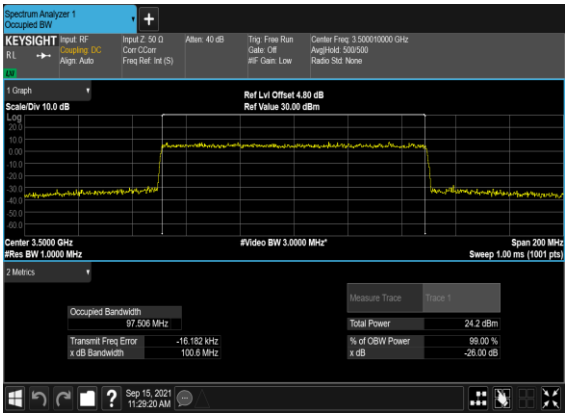
B2_N78(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



B2_N78(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



B2_N78(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

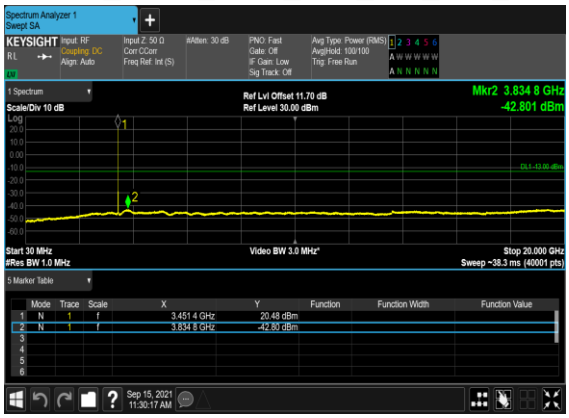


Conducted Spurious Emissions

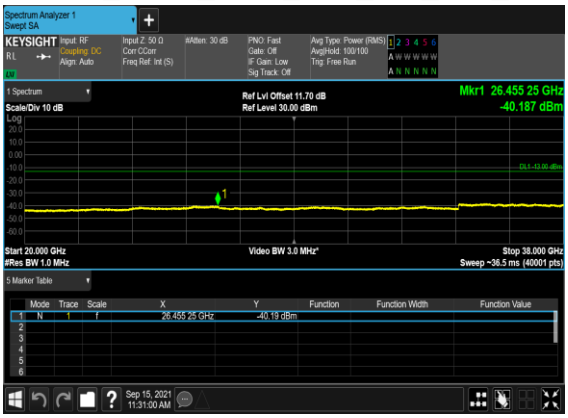
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	**---**
78	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	20	630668	3460.02	DFT-s-OFDM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

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

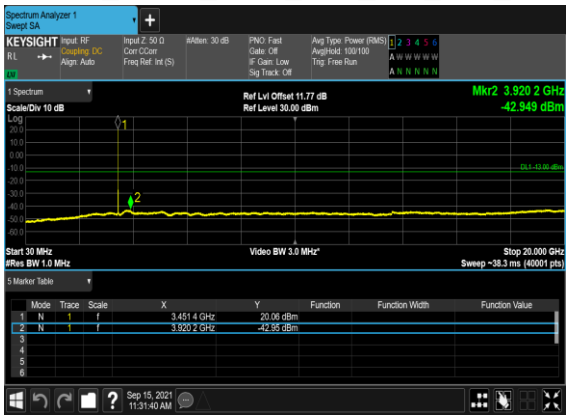
B2_N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



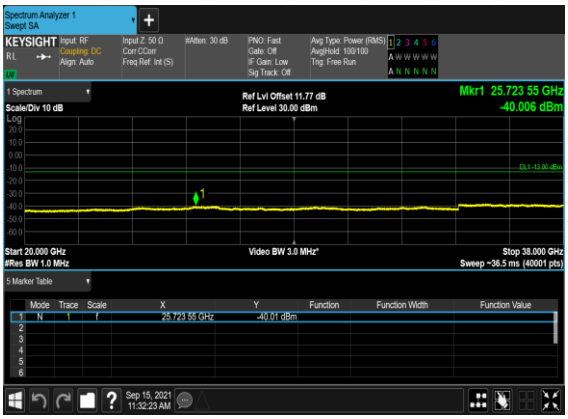
B2_N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



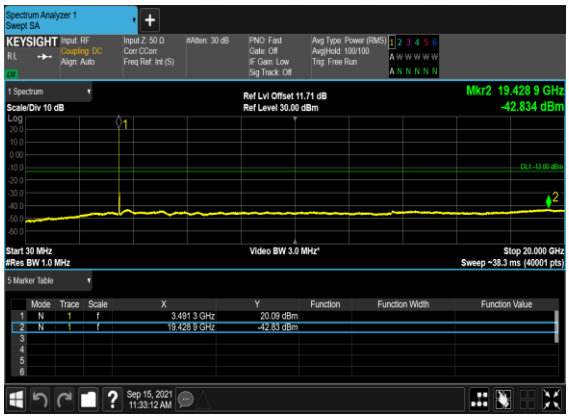
B2_N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



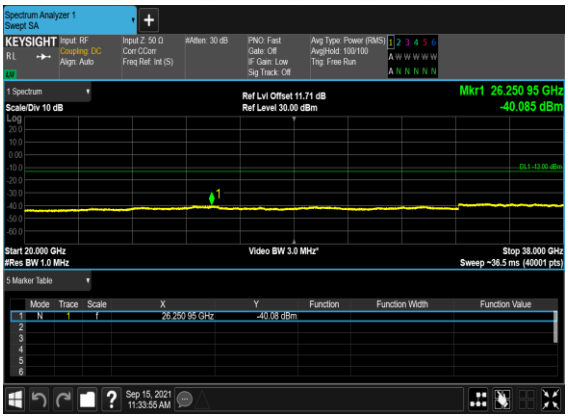
B2_N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



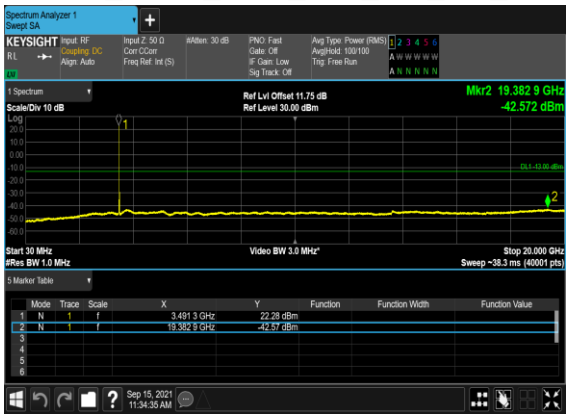
B2_N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



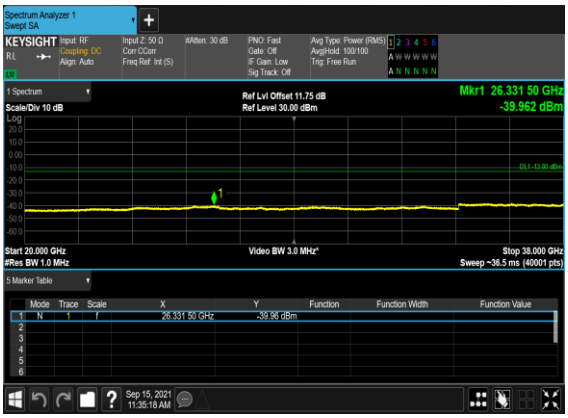
B2_N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



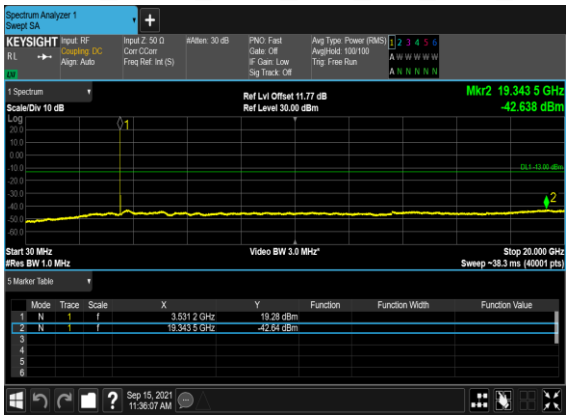
B2_N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

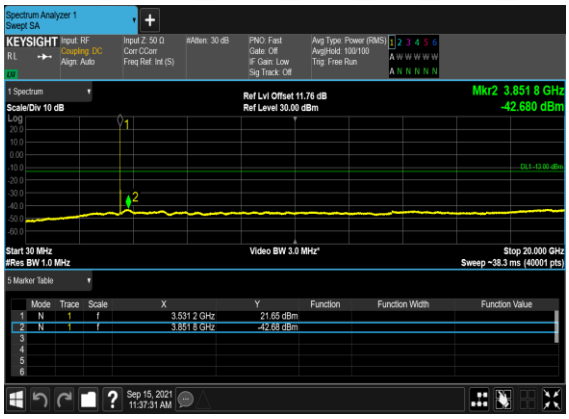


B2_N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

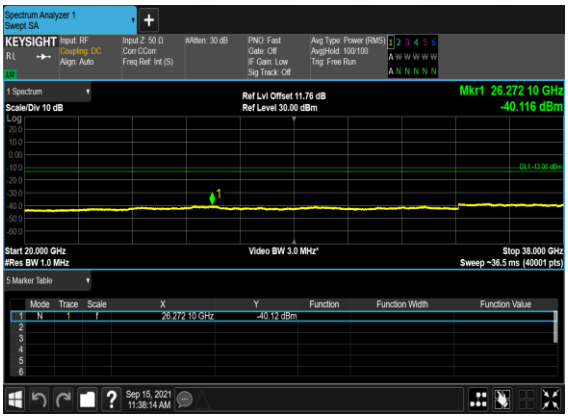


B2_N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

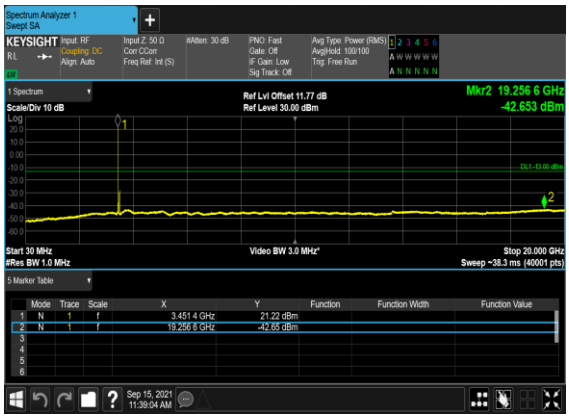
B2_N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



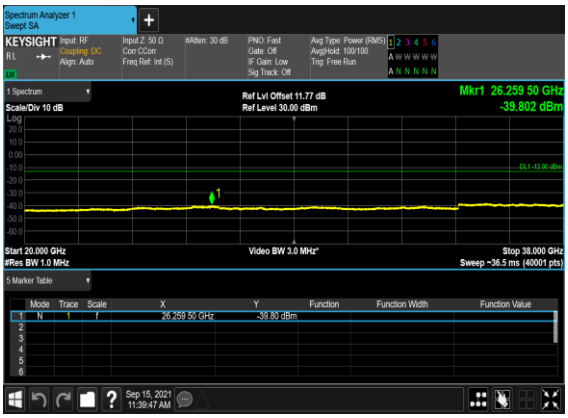
B2_N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



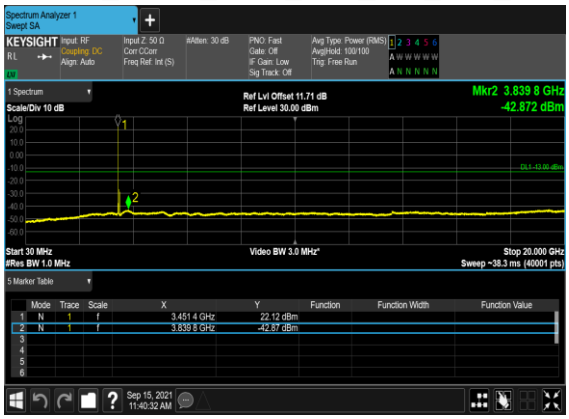
B2_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



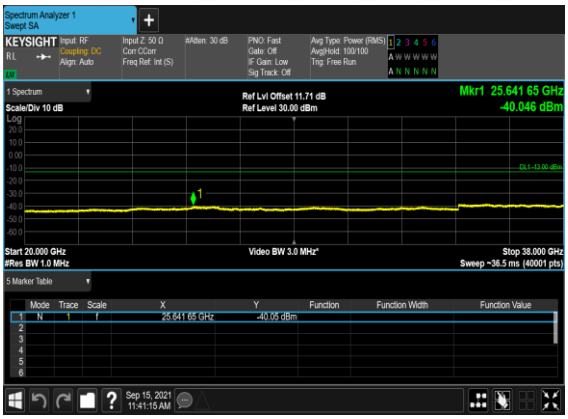
B2_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



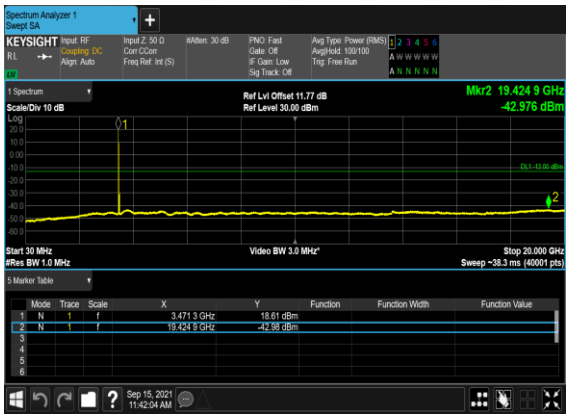
B2_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



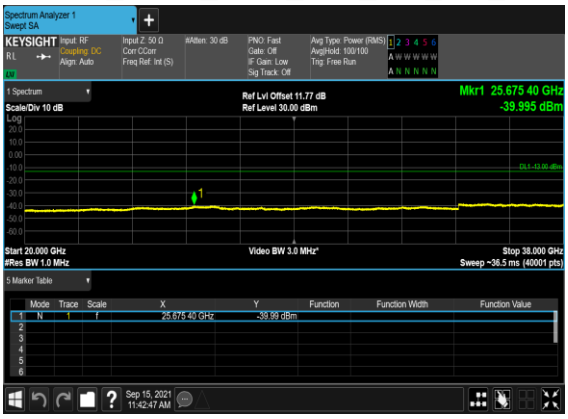
B2_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



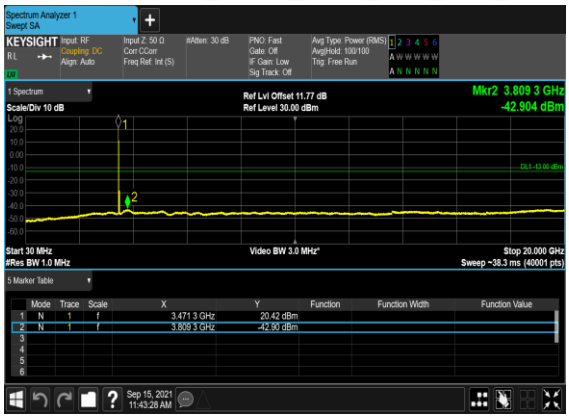
B2_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



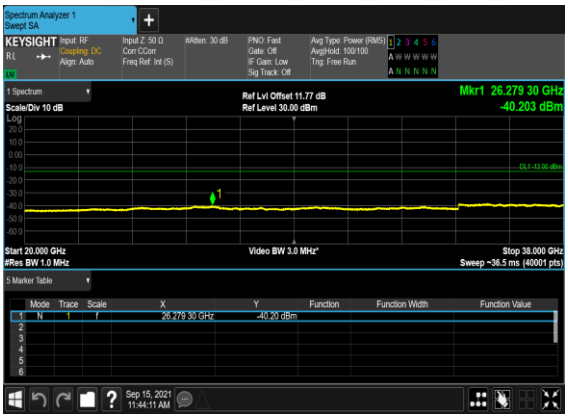
B2_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



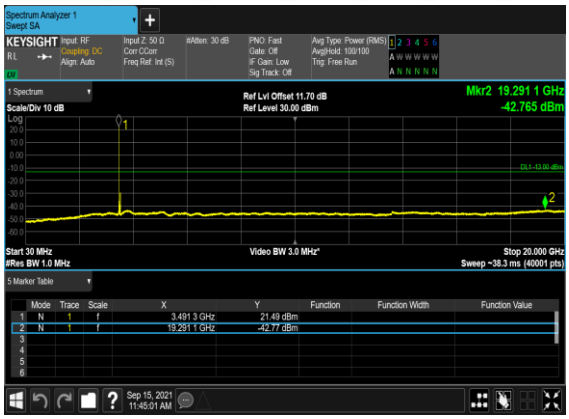
B2_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



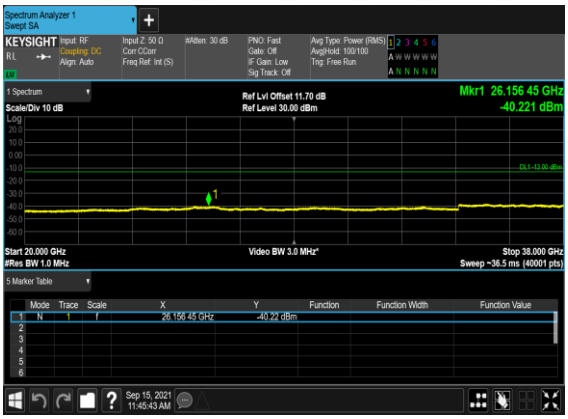
B2_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



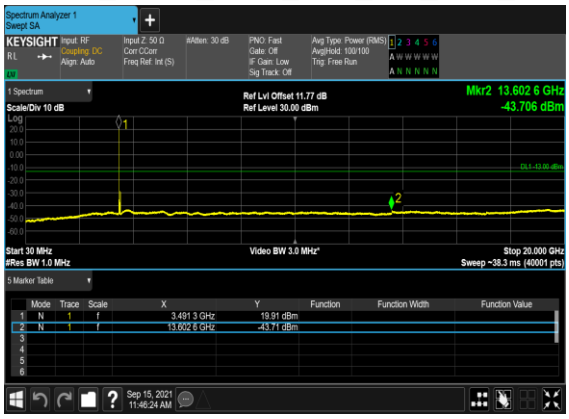
B2_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



B2_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

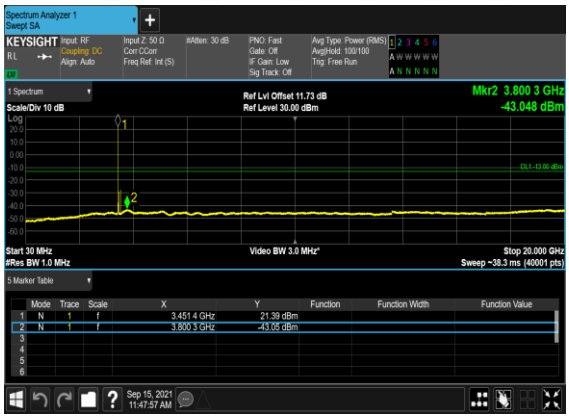


B2_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

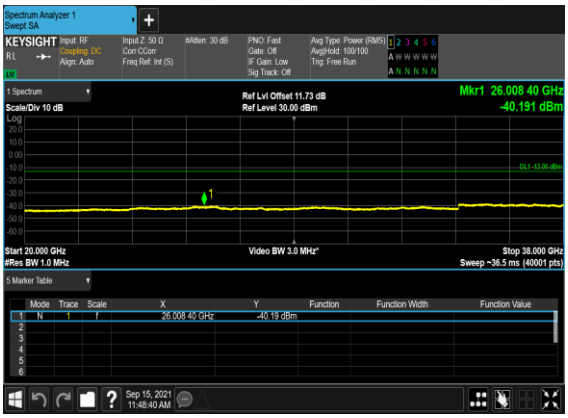


B2_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

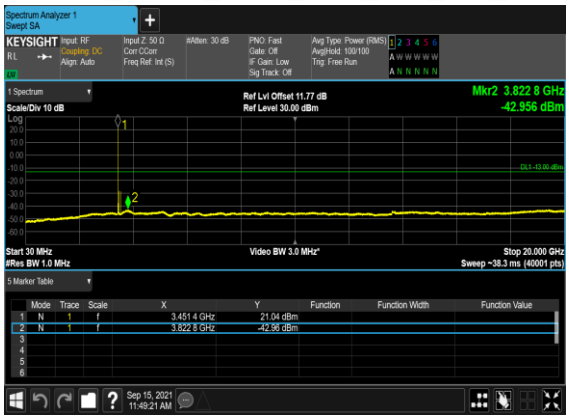
B2_N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



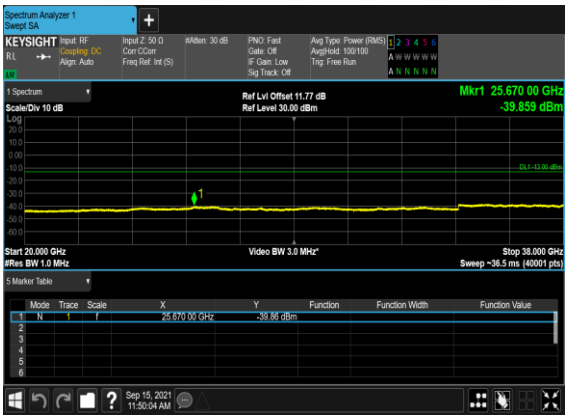
B2_N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



B2_N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	20	630668	3460.02	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM BPSK	1@50	see graph	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@50	see graph	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	162@0	see graph	**PASS**
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	162@0	see graph	**PASS**
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@161	see graph	**PASS**
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@161	see graph	**PASS**
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	162@0	see graph	**PASS**
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	162@0	see graph	**PASS**
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@272	see graph	**PASS**
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@272	see graph	**PASS**
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	see graph	**PASS**