FCC RF Test Report

APPLICANT	: Motorola Mobility LLC
EQUIPMENT	: Mobile Cellular Phone
BRAND NAME	: Motorola
MODEL NAME	: XT2215-2, XT2215-3, XT2215-4, XT2215DL
FCC ID	: IHDT56AA4
STANDARD	: 47 CFR Part 2, Part 27 Subpart Q
CLASSIFICATION	: PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	: Dec. 25, 2021 ~ Jan. 15, 2022

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

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

Reviewed by: Derreck Chen / Supervisor

Approved by: Eric Shih / Manager

ACCREDITED Cert #5145.01

Sporton International Inc. (ShenZhen)

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

People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG1N0903N	Rev. 01	Initial issue of report	Jan. 30, 2022

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	—	Report Only	-
3.5	§27.50 (k)(4)	Peak-to-Average Ratio	<13dB	PASS	
3.6	§27.50 (k)(3)	EIRP	EIRP < 1W (30dBm)	PASS	-
3.7	§2.1049	Occupied Bandwidth	—	Report Only	-
3.8	§2.1051 §27.53 (n)(2)	Conducted Band Edge Measurement	-13dBm/MHz	PASS	-
3.9	§2.1051 §27.53 (n)(2)	Conducted Spurious Emission	-13dBm/MHz	PASS	-
3.10	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within the band	PASS	-
4.4	§2.1053 §27.53 (n)(2)	Radiated Spurious Emission	-13dBm/MHz	PASS	Under limit 42.30 dB at 10500.03 MHz

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

1 General Description

1.1 Applicant

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	XT2215-2, XT2215-3, XT2215-4, XT2215DL
FCC ID	IHDT56AA4
HW Version	DVT2
SW Version	S1SD32.29
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Product Feature	
Tx/Rx Frequency	5G NR n77: 3450 MHz ~ 3550 MHz 5G NR n78: 3450 MHz ~ 3550 MHz
Bandwidth	20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz
SCS	30kHz
Antenna Gain	5G NR n77 : -6.3 dBi 5G NR n78 : -6.8 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. The four models XT2215-2, XT2215-3, XT2215-4 and XT2215DL are only for market differentiation, all the others are the same.
2. The maximum ERP is calculated from max Output power and antenna gain, only the maximum ERP are shown in the report.
3. 5G NR n77/n78 support SA & NSA.
4. 5G NR n77 support 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 n77/n78		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	3460.02 ~ 3540	0.1042	18M2G7D	0.0859	18M2W7D
30	3465 ~ 3534.99	0.1045	27M8G7D	0.0873	27M9W7D
40	3470.01 ~ 3529.98	0.1057	37M8G7D	0.0887	37M9W7D
50	3475.02 ~ 3525	0.1033	47M4G7D	0.0859	47M5W7D
60	3480 ~ 3519.99	0.1012	57M8G7D	0.0834	57M8W7D
70	3485.01 ~ 3514.98	0.0995	67M4G7D	0.0820	67M6W7D
80	3490.02 ~ 3510	0.0993	77M5G7D	0.0838	77M6W7D
90	3495 ~ 3504.99	0.0979	87M5G7D	0.0822	87M6W7D
100	3500.01 ~ 3500.01	0.0971	97M3G7D	0.0809	97M5W7D

Note:

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

1.7 Testing Site

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

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

Test Firm	Sporton International Inc. (Shenzhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH04-SZ	CN1256	421272

1.8 Test Software

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

1.9 Applied Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

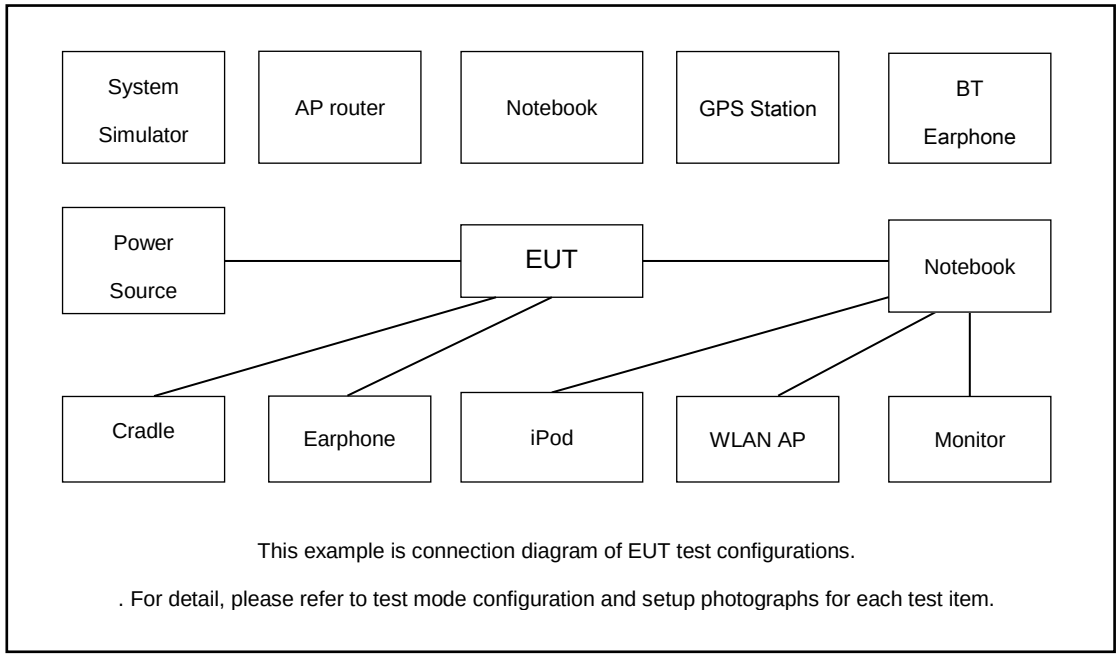
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

Test Cases	Band	Bandwidth (MHz)	Modulation	RB #	Test Channel
		eg. 5M, 10M, 15M, 20M	eg. QPSK, 16QAM, 64QAM	1RB, Partial RB, Full RB	L/M/H
Max. Output Power	5G n77/n78	5M, 10M, 15M, 20M	QPSK, 16QAM, 64QAM	1RB, Partial RB, Full RB	L, M, H
Peak-to-Average Ratio	5G n77	20M	QPSK, 16QAM, 64QAM	Full RB	M
E.I.R.P	5G n77/n78	5M, 10M, 15M, 20M	QPSK, 16QAM, 64QAM	1RB, Partial RB, Full RB	L, M, H
26dB and 99% Bandwidth	5G n77	20M	QPSK, 16QAM	Full RB	M
Conducted Band Edge	5G n77	5M, 10M, 15M, 20M	QPSK, 16QAM, 64QAM	1RB, Full RB	L, H
Conducted Spurious Emission	5G n77	5M, 10M, 15M, 20M	QPSK	1RB	L, M, H
Frequency Stability	5G n77	20M	QPSK	1RB	L, H
Radiated Spurious Emission	5G n77	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 n77 overlaps the entire frequency range of n78, Therefore, the test results provided in this report covers n77 as well as n78.

2.2 Connection Diagram of Test System



This example is connection diagram of EUT test configurations.

. For detail, please refer to test mode configuration and setup photographs for each test item.

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
3.	Fixture	INTEL	NGFF Card Carrier	N/A	N/A	N/A

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

Offset = RF cable loss + attenuator factor.

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

Example :

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

= 4.2 + 10 = 14.2 (dB)

2.5 Frequency List of Low/Middle/High Channels

5G n77/n78 Channel and Frequency List				
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

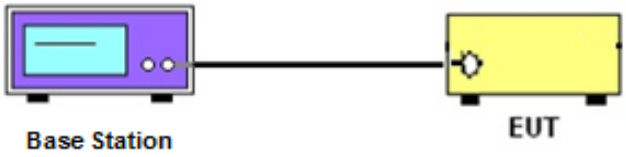
3 Conducted Test Items

3.1 Measuring Instruments

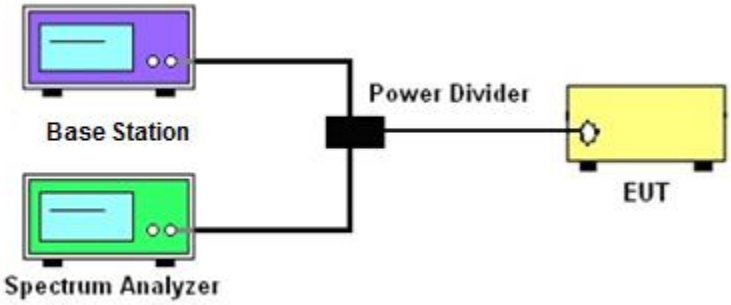
See list of measuring instruments of this test report.

3.2 Test Setup

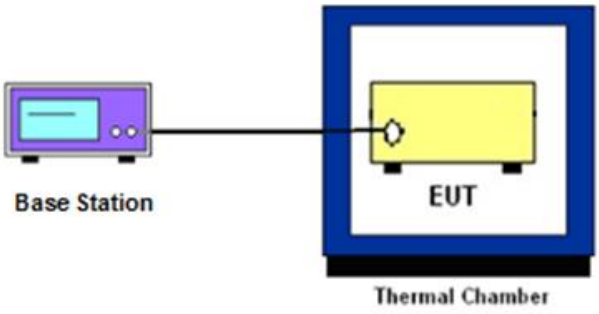
3.2.1 Conducted Output Power



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.

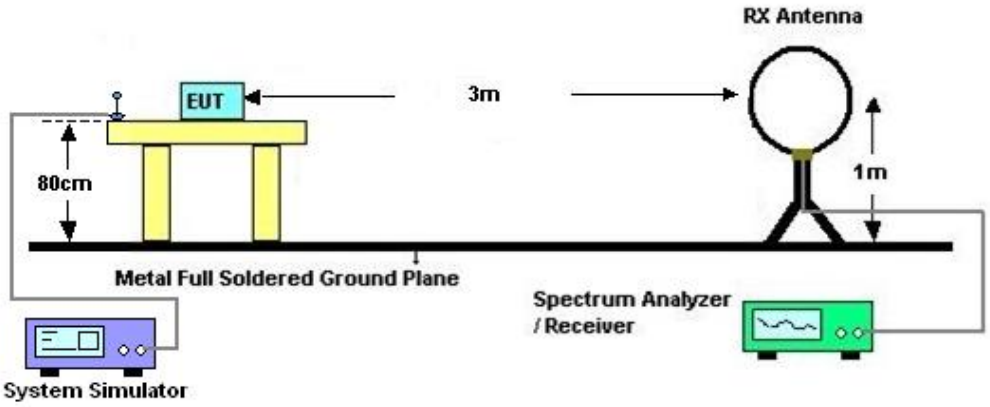
4 Radiated Test Items

4.1 Measuring Instruments

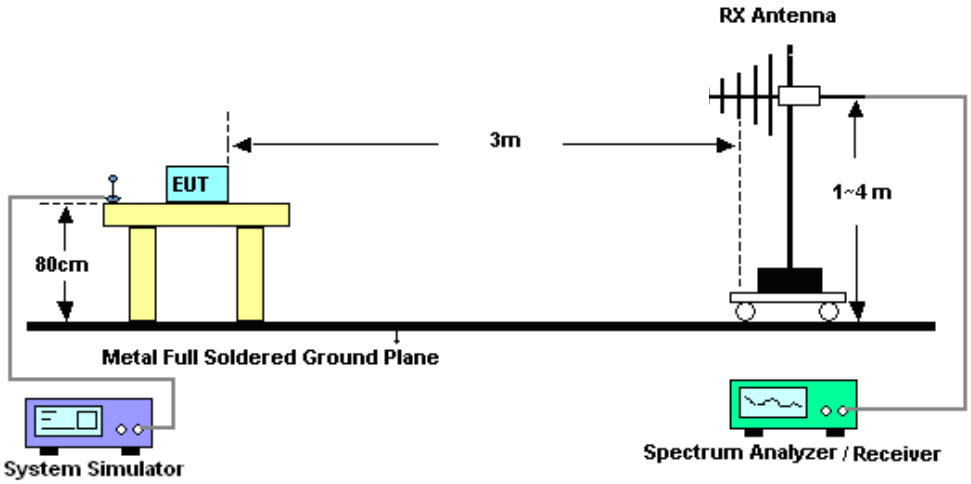
See list of measuring instruments of this test report.

4.2 Test Setup

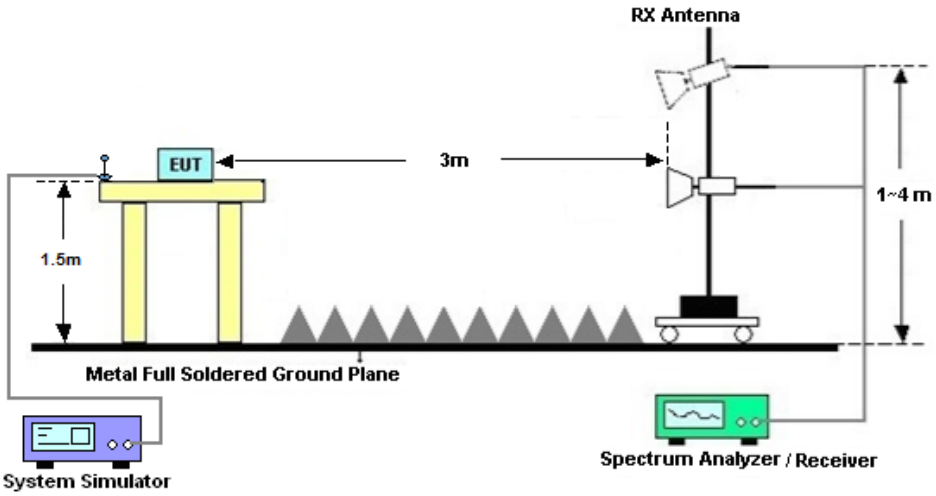
4.2.1 For radiated test below 30MHz



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	Dec. 25, 2021~ Jan. 07, 2022	Apr. 07, 2022	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2021	Dec. 25, 2021~ Jan. 07, 2022	Dec. 24, 2022	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 14, 2021	Dec. 25, 2021~ Jan. 07, 2022	Jul. 13, 2022	Conducted (TH01-SZ)
EMI Test Receiver	R&S	ESR7	101404	9kHz~7GHz	Oct. 22, 2021	Jan. 15, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 20, 2021	Jan. 15, 2022	Jul. 19, 2022	Radiation (03CH04-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2020	Jan. 15, 2022	Jun. 21, 2022	Radiation (03CH04-SZ)
Bilog Antenna	TeseQ	CBL6111D	41909	30MHz~1GHz	Oct. 22, 2021	Jan. 15, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1474	1GHz~18GHz	Jul. 15, 2021	Jan. 15, 2022	Jul. 14, 2022	Radiation (03CH04-SZ)
Horn Antenna	SCHWARZBECK	BBHA9170	9170#679	15GHz~40GHz	Jul. 25, 2021	Jan. 15, 2022	Jul. 24, 2022	Radiation (03CH04-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 22, 2021	Jan. 15, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P-R	1943528	1GHz~18GHz	Oct. 22, 2021	Jan. 15, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 20. 2021	Jan. 15, 2022	Jul. 19. 2022	Radiation (03CH04-SZ)
Amplifier	Agilent Technologies	83017A	MY53270156	500MHz~26.5GHz	Oct. 22, 2021	Jan. 15, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
AC Power Source	Chroma	61601	N/A	N/A	NCR	Jan. 15, 2022	NCR	Radiation (03CH04-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Jan. 15, 2022	NCR	Radiation (03CH04-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Jan. 15, 2022	NCR	Radiation (03CH04-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))	**5.1dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.8dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.1dB**

Appendix A. Test Results of Conducted Test

Test Engineer :	Jung Kuo	**Temperature :**	22~23℃
		Relative Humidity :	40~42%

Software Version: 21.02.121001

FR1 N77

Transmitter Conducted Output Power And EIRP, (G_T - L_C) =-6.3dB

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	26.37	20.07	0.1016
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	26.48	20.18	0.1042
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@49	26.32	20.02	0.1005
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	26.38	20.08	0.1019
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	26.48	20.18	0.1042
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	26.35	20.05	0.1012
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	25@12	25.64	19.34	0.0859
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	25.62	19.32	0.0855
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@49	25.46	19.16	0.0824
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	25@12	24.18	17.88	0.0614
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@1	24.19	17.89	0.0615
77	30	20	630668	3460.02	DFT-s-OFDM 64 QAM	1@49	24.06	17.76	0.0597
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	25@12	22.05	15.75	0.0376
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@1	21.8	15.5	0.0355
77	30	20	630668	3460.02	DFT-s-OFDM 256 QAM	1@49	21.64	15.34	0.0342
77	30	20	630668	3460.02	CP-OFDM QPSK	25@12	25.14	18.84	0.0766
77	30	20	630668	3460.02	CP-OFDM QPSK	1@1	25.11	18.81	0.0760
77	30	20	630668	3460.02	CP-OFDM QPSK	1@49	24.92	18.62	0.0728
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	25@12	26.34	20.04	0.1009
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.35	20.05	0.1012

77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@49	26.29	19.99	0.0998
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	26.33	20.03	0.1007
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.26	19.96	0.0991
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	26.31	20.01	0.1002
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	25@12	25.6	19.3	0.0851
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.54	19.24	0.0839
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@49	25.46	19.16	0.0824
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	25@12	24.11	17.81	0.0604
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.07	17.77	0.0598
77	30	20	633334	3500.01	DFT-s-OFDM 64 QAM	1@49	24.04	17.74	0.0594
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	25@12	22	15.7	0.0372
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.72	15.42	0.0348
77	30	20	633334	3500.01	DFT-s-OFDM 256 QAM	1@49	21.69	15.39	0.0346
77	30	20	633334	3500.01	CP-OFDM QPSK	25@12	25.07	18.77	0.0753
77	30	20	633334	3500.01	CP-OFDM QPSK	1@1	24.94	18.64	0.0731
77	30	20	633334	3500.01	CP-OFDM QPSK	1@49	24.92	18.62	0.0728
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	25@12	26.22	19.92	0.0982
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	26.39	20.09	0.1021
77	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@49	26.21	19.91	0.0979
77	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	26.23	19.93	0.0984
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	26.31	20.01	0.1002
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	26.26	19.96	0.0991
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	25@12	25.52	19.22	0.0836
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	25.55	19.25	0.0841

77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@49	25.41	19.11	0.0815
77	30	20	636000	3540	DFT-s-OFDM 64 QAM	25@12	24	17.7	0.0589
77	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@1	24.21	17.91	0.0618
77	30	20	636000	3540	DFT-s-OFDM 64 QAM	1@49	23.97	17.67	0.0585
77	30	20	636000	3540	DFT-s-OFDM 256 QAM	25@12	21.86	15.56	0.0360
77	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@1	21.67	15.37	0.0344
77	30	20	636000	3540	DFT-s-OFDM 256 QAM	1@49	21.55	15.25	0.0335
77	30	20	636000	3540	CP-OFDM QPSK	25@12	24.99	18.69	0.0740
77	30	20	636000	3540	CP-OFDM QPSK	1@1	25.08	18.78	0.0755
77	30	20	636000	3540	CP-OFDM QPSK	1@49	24.82	18.52	0.0711
77	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	36@18	26.33	20.03	0.1007
77	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	26.49	20.19	0.1045
77	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@76	26.3	20	0.1000
77	30	30	631000	3465	DFT-s-OFDM QPSK	36@18	26.3	20	0.1000
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	26.43	20.13	0.1030
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@76	26.24	19.94	0.0986
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	36@18	25.56	19.26	0.0843
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	25.66	19.36	0.0863
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@76	25.46	19.16	0.0824
77	30	30	631000	3465	DFT-s-OFDM 64 QAM	36@18	24.11	17.81	0.0604
77	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@1	24.19	17.89	0.0615
77	30	30	631000	3465	DFT-s-OFDM 64 QAM	1@76	23.91	17.61	0.0577
77	30	30	631000	3465	DFT-s-OFDM 256 QAM	36@18	22.03	15.73	0.0374
77	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@1	21.85	15.55	0.0359

77	30	30	631000	3465	DFT-s-OFDM 256 QAM	1@76	21.59	15.29	0.0338
77	30	30	631000	3465	CP-OFDM QPSK	39@19	25.07	18.77	0.0753
77	30	30	631000	3465	CP-OFDM QPSK	1@1	25.27	18.97	0.0789
77	30	30	631000	3465	CP-OFDM QPSK	1@76	24.83	18.53	0.0713
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	36@18	26.36	20.06	0.1014
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.46	20.16	0.1038
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@76	26.21	19.91	0.0979
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	26.35	20.05	0.1012
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.4	20.1	0.1023
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	26.17	19.87	0.0971
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	36@18	25.53	19.23	0.0838
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.64	19.34	0.0859
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@76	25.45	19.15	0.0822
77	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	36@18	24.05	17.75	0.0596
77	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.1	17.8	0.0603
77	30	30	633334	3500.01	DFT-s-OFDM 64 QAM	1@76	23.88	17.58	0.0573
77	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	36@18	22.04	15.74	0.0375
77	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.75	15.45	0.0351
77	30	30	633334	3500.01	DFT-s-OFDM 256 QAM	1@76	21.6	15.3	0.0339
77	30	30	633334	3500.01	CP-OFDM QPSK	39@19	25.1	18.8	0.0759
77	30	30	633334	3500.01	CP-OFDM QPSK	1@1	25.19	18.89	0.0774
77	30	30	633334	3500.01	CP-OFDM QPSK	1@76	24.77	18.47	0.0703
77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	36@18	26.28	19.98	0.0995
77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	26.46	20.16	0.1038
77	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@76	26.2	19.9	0.0977

77	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	26.31	20.01	0.1002
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	26.45	20.15	0.1035
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	26.22	19.92	0.0982
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	36@18	25.48	19.18	0.0828
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	25.71	19.41	0.0873
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@76	25.45	19.15	0.0822
77	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	36@18	24.02	17.72	0.0592
77	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@1	24.37	18.07	0.0641
77	30	30	635666	3534.99	DFT-s-OFDM 64 QAM	1@76	24.06	17.76	0.0597
77	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	36@18	22.07	15.77	0.0378
77	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@1	21.81	15.51	0.0356
77	30	30	635666	3534.99	DFT-s-OFDM 256 QAM	1@76	21.62	15.32	0.0340
77	30	30	635666	3534.99	CP-OFDM QPSK	39@19	25.06	18.76	0.0752
77	30	30	635666	3534.99	CP-OFDM QPSK	1@1	25.15	18.85	0.0767
77	30	30	635666	3534.99	CP-OFDM QPSK	1@76	24.71	18.41	0.0693
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	50@25	26.34	20.04	0.1009
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	26.53	20.23	0.1054
77	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@104	26.29	19.99	0.0998
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	26.41	20.11	0.1026
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	26.54	20.24	0.1057
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	26.31	20.01	0.1002
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	50@25	25.6	19.3	0.0851
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	25.78	19.48	0.0887
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@104	25.48	19.18	0.0828

77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	50@25	24.13	17.83	0.0607
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@1	24.21	17.91	0.0618
77	30	40	631334	3470.01	DFT-s-OFDM 64 QAM	1@104	23.92	17.62	0.0578
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	50@25	22.04	15.74	0.0375
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@1	21.8	15.5	0.0355
77	30	40	631334	3470.01	DFT-s-OFDM 256 QAM	1@104	21.6	15.3	0.0339
77	30	40	631334	3470.01	CP-OFDM QPSK	53@26	25.08	18.78	0.0755
77	30	40	631334	3470.01	CP-OFDM QPSK	1@1	25.27	18.97	0.0789
77	30	40	631334	3470.01	CP-OFDM QPSK	1@104	24.89	18.59	0.0723
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@25	26.38	20.08	0.1019
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.5	20.2	0.1047
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@104	26.3	20	0.1000
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	26.37	20.07	0.1016
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.38	20.08	0.1019
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	26.33	20.03	0.1007
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	50@25	25.63	19.33	0.0857
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.65	19.35	0.0861
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@104	25.49	19.19	0.0830
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	50@25	24.14	17.84	0.0608
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24.17	17.87	0.0612
77	30	40	633334	3500.01	DFT-s-OFDM 64 QAM	1@104	24	17.7	0.0589
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	50@25	22.07	15.77	0.0378
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.72	15.42	0.0348
77	30	40	633334	3500.01	DFT-s-OFDM 256 QAM	1@104	21.69	15.39	0.0346

77	30	40	633334	3500.01	CP-OFDM QPSK	53@26	25.1	18.8	0.0759
77	30	40	633334	3500.01	CP-OFDM QPSK	1@1	25.2	18.9	0.0776
77	30	40	633334	3500.01	CP-OFDM QPSK	1@104	24.94	18.64	0.0731
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	50@25	26.32	20.02	0.1005
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	26.54	20.24	0.1057
77	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@104	26.2	19.9	0.0977
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	26.3	20	0.1000
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	26.5	20.2	0.1047
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	26.23	19.93	0.0984
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	50@25	25.57	19.27	0.0845
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	25.74	19.44	0.0879
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@104	25.34	19.04	0.0802
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	50@25	24.07	17.77	0.0598
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@1	24.33	18.03	0.0635
77	30	40	635332	3529.98	DFT-s-OFDM 64 QAM	1@104	23.86	17.56	0.0570
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	50@25	22.07	15.77	0.0378
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@1	21.87	15.57	0.0361
77	30	40	635332	3529.98	DFT-s-OFDM 256 QAM	1@104	21.59	15.29	0.0338
77	30	40	635332	3529.98	CP-OFDM QPSK	53@26	25.03	18.73	0.0746
77	30	40	635332	3529.98	CP-OFDM QPSK	1@1	25.15	18.85	0.0767
77	30	40	635332	3529.98	CP-OFDM QPSK	1@104	24.76	18.46	0.0701
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	64@32	26.14	19.84	0.0964
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	26.41	20.11	0.1026
77	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@131	26	19.7	0.0933
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	64@32	26.17	19.87	0.0971

77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	26.44	20.14	0.1033
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@131	26.05	19.75	0.0944
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	64@32	25.45	19.15	0.0822
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	25.64	19.34	0.0859
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@131	25.18	18.88	0.0773
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	64@32	23.91	17.61	0.0577
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@1	24.07	17.77	0.0598
77	30	50	631668	3475.02	DFT-s-OFDM 64 QAM	1@131	23.67	17.37	0.0546
77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	64@32	21.89	15.59	0.0362
77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@1	21.66	15.36	0.0344
77	30	50	631668	3475.02	DFT-s-OFDM 256 QAM	1@131	21.29	14.99	0.0316
77	30	50	631668	3475.02	CP-OFDM QPSK	67@33	24.85	18.55	0.0716
77	30	50	631668	3475.02	CP-OFDM QPSK	1@1	25.01	18.71	0.0743
77	30	50	631668	3475.02	CP-OFDM QPSK	1@131	24.59	18.29	0.0675
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	64@32	26.1	19.8	0.0955
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.27	19.97	0.0993
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@131	25.91	19.61	0.0914
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	64@32	26.13	19.83	0.0962
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.25	19.95	0.0989
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@131	25.87	19.57	0.0906
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	64@32	25.34	19.04	0.0802
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.45	19.15	0.0822
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@131	25.09	18.79	0.0757
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	64@32	23.93	17.63	0.0579

77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24	17.7	0.0589
77	30	50	633334	3500.01	DFT-s-OFDM 64 QAM	1@131	23.6	17.3	0.0537
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	64@32	21.77	15.47	0.0352
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.55	15.25	0.0335
77	30	50	633334	3500.01	DFT-s-OFDM 256 QAM	1@131	21.32	15.02	0.0318
77	30	50	633334	3500.01	CP-OFDM QPSK	67@33	24.81	18.51	0.0710
77	30	50	633334	3500.01	CP-OFDM QPSK	1@1	24.83	18.53	0.0713
77	30	50	633334	3500.01	CP-OFDM QPSK	1@131	24.49	18.19	0.0659
77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	64@32	26.11	19.81	0.0957
77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	26.3	20	0.1000
77	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@131	25.89	19.59	0.0910
77	30	50	635000	3525	DFT-s-OFDM QPSK	64@32	26.15	19.85	0.0966
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	26.25	19.95	0.0989
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@131	25.93	19.63	0.0918
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	64@32	25.34	19.04	0.0802
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	25.52	19.22	0.0836
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@131	25.1	18.8	0.0759
77	30	50	635000	3525	DFT-s-OFDM 64 QAM	64@32	23.87	17.57	0.0571
77	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@1	24.09	17.79	0.0601
77	30	50	635000	3525	DFT-s-OFDM 64 QAM	1@131	23.65	17.35	0.0543
77	30	50	635000	3525	DFT-s-OFDM 256 QAM	64@32	21.9	15.6	0.0363
77	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@1	21.61	15.31	0.0340
77	30	50	635000	3525	DFT-s-OFDM 256 QAM	1@131	21.26	14.96	0.0313
77	30	50	635000	3525	CP-OFDM QPSK	67@33	24.85	18.55	0.0716
77	30	50	635000	3525	CP-OFDM QPSK	1@1	24.89	18.59	0.0723

77	30	50	635000	3525	CP-OFDM QPSK	1@131	24.62	18.32	0.0679
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	81@40	26.1	19.8	0.0955
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	26.35	20.05	0.1012
77	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@160	25.97	19.67	0.0927
77	30	60	632000	3480	DFT-s-OFDM QPSK	81@40	26.12	19.82	0.0959
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	26.35	20.05	0.1012
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@160	26.03	19.73	0.0940
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	81@40	25.26	18.96	0.0787
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	25.51	19.21	0.0834
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@160	25.2	18.9	0.0776
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	81@40	23.85	17.55	0.0569
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@1	24.2	17.9	0.0617
77	30	60	632000	3480	DFT-s-OFDM 64 QAM	1@160	23.82	17.52	0.0565
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	81@40	21.82	15.52	0.0356
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@1	21.68	15.38	0.0345
77	30	60	632000	3480	DFT-s-OFDM 256 QAM	1@160	21.28	14.98	0.0315
77	30	60	632000	3480	CP-OFDM QPSK	81@40	24.83	18.53	0.0713
77	30	60	632000	3480	CP-OFDM QPSK	1@1	24.97	18.67	0.0736
77	30	60	632000	3480	CP-OFDM QPSK	1@160	24.59	18.29	0.0675
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	81@40	26.12	19.82	0.0959
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.17	19.87	0.0971
77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@160	25.87	19.57	0.0906
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	81@40	26.14	19.84	0.0964
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.13	19.83	0.0962

77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@160	25.91	19.61	0.0914
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	81@40	25.35	19.05	0.0804
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.37	19.07	0.0807
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@160	25.08	18.78	0.0755
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	81@40	23.87	17.57	0.0571
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.93	17.63	0.0579
77	30	60	633334	3500.01	DFT-s-OFDM 64 QAM	1@160	23.57	17.27	0.0533
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	81@40	21.92	15.62	0.0365
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.61	15.31	0.0340
77	30	60	633334	3500.01	DFT-s-OFDM 256 QAM	1@160	21.26	14.96	0.0313
77	30	60	633334	3500.01	CP-OFDM QPSK	81@40	24.86	18.56	0.0718
77	30	60	633334	3500.01	CP-OFDM QPSK	1@1	24.89	18.59	0.0723
77	30	60	633334	3500.01	CP-OFDM QPSK	1@160	24.47	18.17	0.0656
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	81@40	26.17	19.87	0.0971
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	26.2	19.9	0.0977
77	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@160	25.91	19.61	0.0914
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	81@40	26.15	19.85	0.0966
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	26.22	19.92	0.0982
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@160	25.89	19.59	0.0910
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	81@40	25.43	19.13	0.0818
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	25.42	19.12	0.0817
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@160	25.17	18.87	0.0771
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	81@40	23.94	17.64	0.0581
77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@1	23.93	17.63	0.0579

77	30	60	634666	3519.99	DFT-s-OFDM 64 QAM	1@160	23.62	17.32	0.0540
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	81@40	21.88	15.58	0.0361
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@1	21.51	15.21	0.0332
77	30	60	634666	3519.99	DFT-s-OFDM 256 QAM	1@160	21.35	15.05	0.0320
77	30	60	634666	3519.99	CP-OFDM QPSK	81@40	24.93	18.63	0.0729
77	30	60	634666	3519.99	CP-OFDM QPSK	1@1	24.91	18.61	0.0726
77	30	60	634666	3519.99	CP-OFDM QPSK	1@160	24.53	18.23	0.0665
77	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	90@45	25.93	19.63	0.0918
77	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	26.22	19.92	0.0982
77	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@187	25.75	19.45	0.0881
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	90@45	25.97	19.67	0.0927
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	26.28	19.98	0.0995
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@187	25.8	19.5	0.0891
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	90@45	25.13	18.83	0.0764
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	25.44	19.14	0.0820
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@187	25.02	18.72	0.0745
77	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	90@45	23.76	17.46	0.0557
77	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@1	23.82	17.52	0.0565
77	30	70	632334	3485.01	DFT-s-OFDM 64 QAM	1@187	23.38	17.08	0.0511
77	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	90@45	21.75	15.45	0.0351
77	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@1	21.54	15.24	0.0334
77	30	70	632334	3485.01	DFT-s-OFDM 256 QAM	1@187	21.03	14.73	0.0297
77	30	70	632334	3485.01	CP-OFDM QPSK	95@47	24.71	18.41	0.0693
77	30	70	632334	3485.01	CP-OFDM QPSK	1@1	24.92	18.62	0.0728
77	30	70	632334	3485.01	CP-OFDM QPSK	1@187	24.51	18.21	0.0662

77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	90@45	25.88	19.58	0.0908
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.1	19.8	0.0955
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@187	25.71	19.41	0.0873
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	90@45	25.93	19.63	0.0918
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.11	19.81	0.0957
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@187	25.68	19.38	0.0867
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	90@45	25.14	18.84	0.0766
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.38	19.08	0.0809
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@187	24.96	18.66	0.0735
77	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	90@45	23.64	17.34	0.0542
77	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.78	17.48	0.0560
77	30	70	633334	3500.01	DFT-s-OFDM 64 QAM	1@187	23.43	17.13	0.0516
77	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	90@45	21.61	15.31	0.0340
77	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.42	15.12	0.0325
77	30	70	633334	3500.01	DFT-s-OFDM 256 QAM	1@187	20.99	14.69	0.0294
77	30	70	633334	3500.01	CP-OFDM QPSK	95@47	24.61	18.31	0.0678
77	30	70	633334	3500.01	CP-OFDM QPSK	1@1	24.75	18.45	0.0700
77	30	70	633334	3500.01	CP-OFDM QPSK	1@187	24.36	18.06	0.0640
77	30	70	634332	3500.01	DFT-s-OFDM PI/2 BPSK	90@45	25.93	19.63	0.0918
77	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	26.02	19.72	0.0938
77	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@187	25.68	19.38	0.0867
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	90@45	26.01	19.71	0.0935
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	26.08	19.78	0.0951
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@187	25.74	19.44	0.0879

77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	90@45	25.19	18.89	0.0774
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	25.23	18.93	0.0782
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@187	24.9	18.6	0.0724
77	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	90@45	23.7	17.4	0.0550
77	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@1	23.97	17.67	0.0585
77	30	70	634332	3514.98	DFT-s-OFDM 64 QAM	1@187	23.66	17.36	0.0545
77	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	90@45	21.77	15.47	0.0352
77	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@1	21.3	15	0.0316
77	30	70	634332	3514.98	DFT-s-OFDM 256 QAM	1@187	20.98	14.68	0.0294
77	30	70	634332	3514.98	CP-OFDM QPSK	95@47	24.71	18.41	0.0693
77	30	70	634332	3514.98	CP-OFDM QPSK	1@1	24.74	18.44	0.0698
77	30	70	634332	3514.98	CP-OFDM QPSK	1@187	24.52	18.22	0.0664
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	108@54	26.08	19.78	0.0951
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	26.25	19.95	0.0989
77	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@215	25.87	19.57	0.0906
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	108@54	26.1	19.8	0.0955
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	26.27	19.97	0.0993
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@215	25.88	19.58	0.0908
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	108@54	25.29	18.99	0.0793
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	25.53	19.23	0.0838
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@215	25.15	18.85	0.0767
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	108@54	23.77	17.47	0.0558
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@1	24.05	17.75	0.0596
77	30	80	632668	3490.02	DFT-s-OFDM 64 QAM	1@215	23.65	17.35	0.0543

77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	108@54	21.77	15.47	0.0352
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@1	21.58	15.28	0.0337
77	30	80	632668	3490.02	DFT-s-OFDM 256 QAM	1@215	21.25	14.95	0.0313
77	30	80	632668	3490.02	CP-OFDM QPSK	109@54	24.85	18.55	0.0716
77	30	80	632668	3490.02	CP-OFDM QPSK	1@1	24.88	18.58	0.0721
77	30	80	632668	3490.02	CP-OFDM QPSK	1@215	24.51	18.21	0.0662
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	108@54	25.95	19.65	0.0923
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.1	19.8	0.0955
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@215	25.77	19.47	0.0885
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	108@54	26.01	19.71	0.0935
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.06	19.76	0.0946
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@215	25.82	19.52	0.0895
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	108@54	25.21	18.91	0.0778
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.35	19.05	0.0804
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@215	25.06	18.76	0.0752
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	108@54	23.77	17.47	0.0558
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.82	17.52	0.0565
77	30	80	633334	3500.01	DFT-s-OFDM 64 QAM	1@215	23.49	17.19	0.0524
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	108@54	21.7	15.4	0.0347
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.41	15.11	0.0324
77	30	80	633334	3500.01	DFT-s-OFDM 256 QAM	1@215	21.08	14.78	0.0301
77	30	80	633334	3500.01	CP-OFDM QPSK	109@54	24.69	18.39	0.0690
77	30	80	633334	3500.01	CP-OFDM QPSK	1@1	24.75	18.45	0.0700
77	30	80	633334	3500.01	CP-OFDM QPSK	1@215	24.43	18.13	0.0650
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	108@54	25.97	19.67	0.0927

77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	26.08	19.78	0.0951
77	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@215	25.73	19.43	0.0877
77	30	80	634000	3510	DFT-s-OFDM QPSK	108@54	26.02	19.72	0.0938
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	26.06	19.76	0.0946
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@215	25.72	19.42	0.0875
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	108@54	25.26	18.96	0.0787
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	25.34	19.04	0.0802
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@215	24.96	18.66	0.0735
77	30	80	634000	3510	DFT-s-OFDM 64 QAM	108@54	23.73	17.43	0.0553
77	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@1	23.76	17.46	0.0557
77	30	80	634000	3510	DFT-s-OFDM 64 QAM	1@215	23.38	17.08	0.0511
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	108@54	21.7	15.4	0.0347
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@1	21.34	15.04	0.0319
77	30	80	634000	3510	DFT-s-OFDM 256 QAM	1@215	20.96	14.66	0.0292
77	30	80	634000	3510	CP-OFDM QPSK	109@54	24.67	18.37	0.0687
77	30	80	634000	3510	CP-OFDM QPSK	1@1	24.68	18.38	0.0689
77	30	80	634000	3510	CP-OFDM QPSK	1@215	24.32	18.02	0.0634
77	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	120@60	25.98	19.68	0.0929
77	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	26.2	19.9	0.0977
77	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@243	25.83	19.53	0.0897
77	30	90	633000	3495	DFT-s-OFDM QPSK	120@60	25.97	19.67	0.0927
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	26.21	19.91	0.0979
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@243	25.89	19.59	0.0910
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	120@60	25.24	18.94	0.0783

77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	25.45	19.15	0.0822
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@243	25.02	18.72	0.0745
77	30	90	633000	3495	DFT-s-OFDM 64 QAM	120@60	23.78	17.48	0.0560
77	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@1	23.89	17.59	0.0574
77	30	90	633000	3495	DFT-s-OFDM 64 QAM	1@243	23.51	17.21	0.0526
77	30	90	633000	3495	DFT-s-OFDM 256 QAM	120@60	21.76	15.46	0.0352
77	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@1	21.49	15.19	0.0330
77	30	90	633000	3495	DFT-s-OFDM 256 QAM	1@243	21.11	14.81	0.0303
77	30	90	633000	3495	CP-OFDM QPSK	123@61	24.73	18.43	0.0697
77	30	90	633000	3495	CP-OFDM QPSK	1@1	24.97	18.67	0.0736
77	30	90	633000	3495	CP-OFDM QPSK	1@243	24.45	18.15	0.0653
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	120@60	25.92	19.62	0.0916
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.07	19.77	0.0948
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@243	25.69	19.39	0.0869
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	120@60	25.98	19.68	0.0929
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.02	19.72	0.0938
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@243	25.74	19.44	0.0879
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	120@60	25.19	18.89	0.0774
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.26	18.96	0.0787
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@243	24.86	18.56	0.0718
77	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	120@60	23.68	17.38	0.0547
77	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.76	17.46	0.0557
77	30	90	633334	3500.01	DFT-s-OFDM 64 QAM	1@243	23.41	17.11	0.0514
77	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	120@60	21.68	15.38	0.0345

77	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.3	15	0.0316
77	30	90	633334	3500.01	DFT-s-OFDM 256 QAM	1@243	21.02	14.72	0.0296
77	30	90	633334	3500.01	CP-OFDM QPSK	123@61	24.69	18.39	0.0690
77	30	90	633334	3500.01	CP-OFDM QPSK	1@1	24.8	18.5	0.0708
77	30	90	633334	3500.01	CP-OFDM QPSK	1@243	24.29	17.99	0.0630
77	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	120@60	25.99	19.69	0.0931
77	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	26.1	19.8	0.0955
77	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@243	25.75	19.45	0.0881
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	120@60	25.98	19.68	0.0929
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	26.1	19.8	0.0955
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@243	25.74	19.44	0.0879
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	120@60	25.27	18.97	0.0789
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	25.36	19.06	0.0805
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@243	24.95	18.65	0.0733
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	120@60	23.81	17.51	0.0564
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@1	23.8	17.5	0.0562
77	30	90	633666	3504.99	DFT-s-OFDM 64 QAM	1@243	23.37	17.07	0.0509
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	120@60	21.73	15.43	0.0349
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@1	21.46	15.16	0.0328
77	30	90	633666	3504.99	DFT-s-OFDM 256 QAM	1@243	21.06	14.76	0.0299
77	30	90	633666	3504.99	CP-OFDM QPSK	123@61	24.74	18.44	0.0698
77	30	90	633666	3504.99	CP-OFDM QPSK	1@1	24.83	18.53	0.0713
77	30	90	633666	3504.99	CP-OFDM QPSK	1@243	24.34	18.04	0.0637
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.92	19.62	0.0916
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.17	19.87	0.0971

77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	25.72	19.42	0.0875
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.97	19.67	0.0927
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.12	19.82	0.0959
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25.68	19.38	0.0867
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	25.17	18.87	0.0771
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.38	19.08	0.0809
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	24.96	18.66	0.0735
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.72	17.42	0.0552
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	24	17.7	0.0589
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	23.43	17.13	0.0516
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.71	15.41	0.0348
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.51	15.21	0.0332
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	21.13	14.83	0.0304
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.68	18.38	0.0689
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	24.9	18.6	0.0724
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	24.41	18.11	0.0647

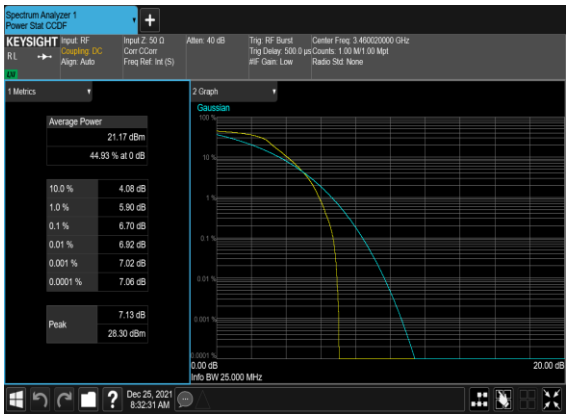
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0512	**PASS**	NV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0333	**PASS**	LV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0352	**PASS**	HV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0667	**PASS**	-30°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0526	**PASS**	-20°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0503	**PASS**	-10°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0407	**PASS**	0°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0063	**PASS**	10°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0469	**PASS**	20°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0308	**PASS**	30°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0379	**PASS**	40°C
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	0.0069	**PASS**	50°C

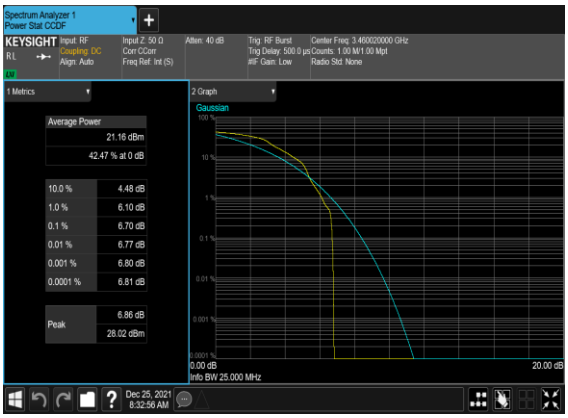
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	50@0	6.7	13	**PASS**
77	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@0	6.7	13	**PASS**
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	7.96	13	**PASS**
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	7.84	13	**PASS**
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	6.64	13	**PASS**
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@0	6.97	13	**PASS**
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	8.0	13	**PASS**
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	8.1	13	**PASS**
77	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	50@0	6.87	13	**PASS**
77	30	20	636000	3540.0	DFT-s-OFDM PI/2 BPSK	1@0	6.98	13	**PASS**
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	50@0	8.12	13	**PASS**
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	8.17	13	**PASS**

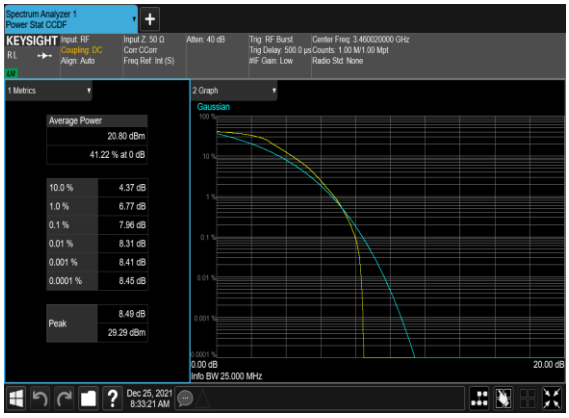
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



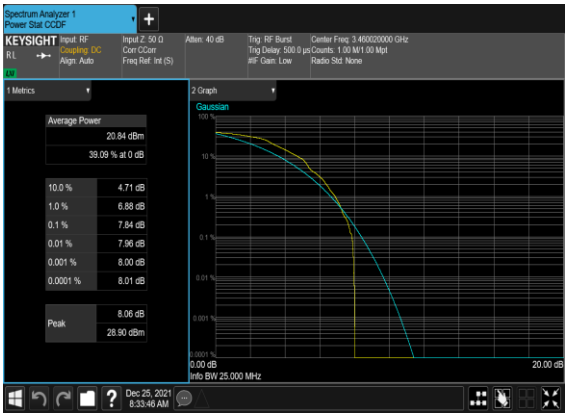
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Low_CH



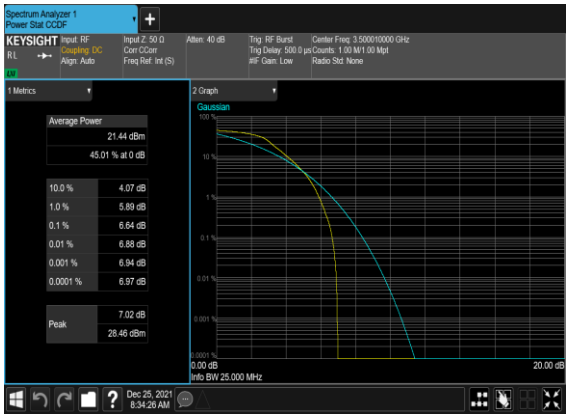
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



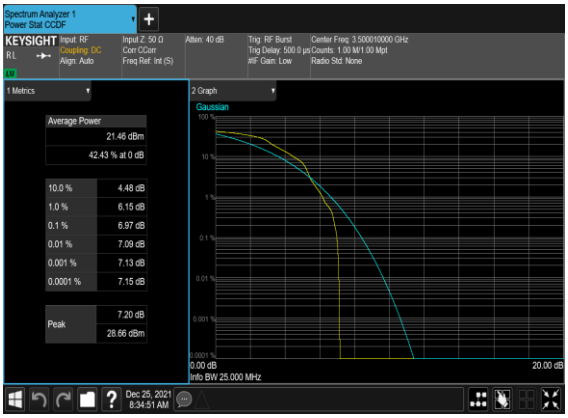
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



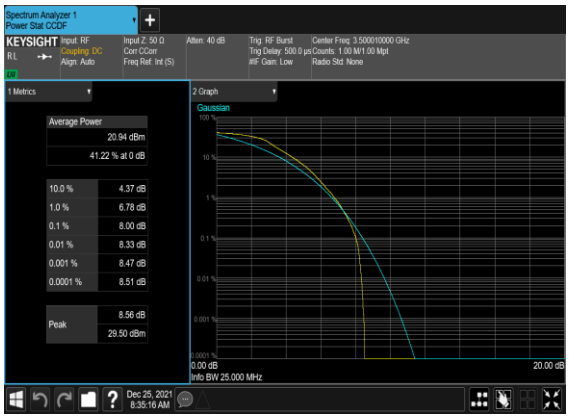
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



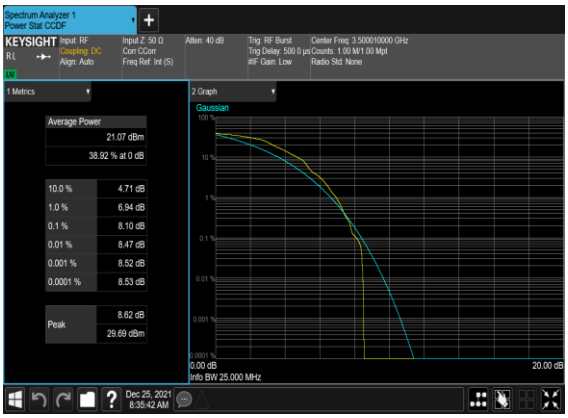
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



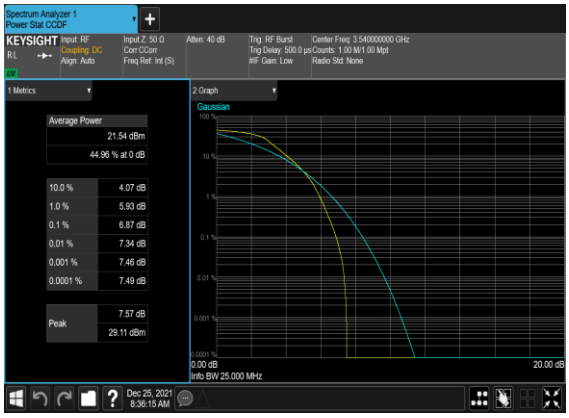
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



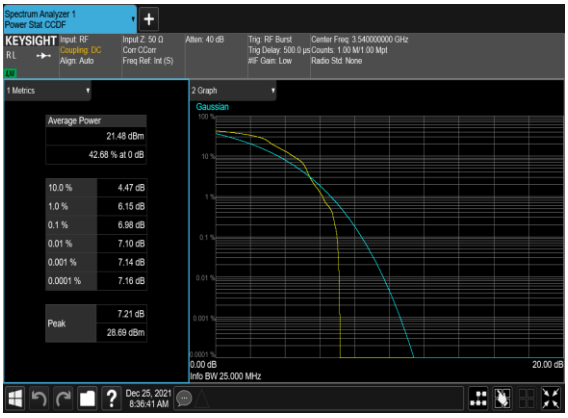
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



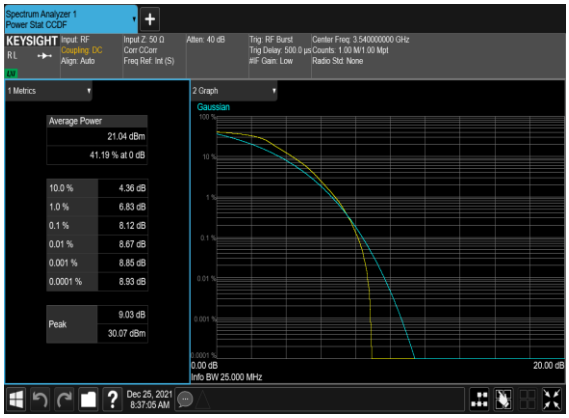
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



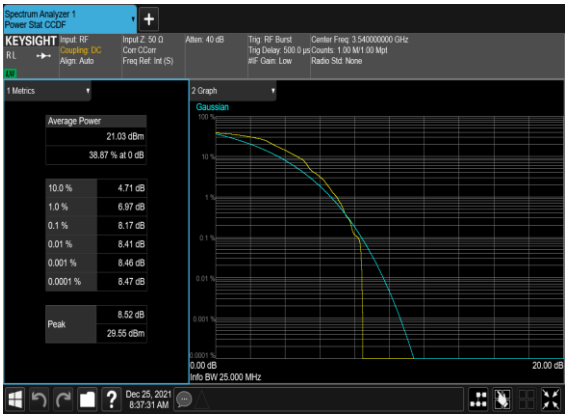
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N77(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)
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	17.765	18.92
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	17.817	18.84
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.181	19.32
77	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.226	19.48
77	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.185	19.46
77	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.154	19.38
77	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	75@0	26.751	28.06
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	75@0	26.77	28.07
77	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.81	29.46
77	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.867	29.14
77	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.808	29.08
77	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.826	29.41
77	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	100@0	35.727	37.41
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	100@0	35.692	37.18
77	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.828	39.37
77	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.82	39.32
77	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.748	39.32
77	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.875	39.32
77	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	128@0	45.726	47.49
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	128@0	45.763	47.34
77	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.439	49.23
77	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.425	49.19
77	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.406	49.18
77	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.502	49.2

77	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	162@0	57.856	59.74
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	162@0	57.845	59.82
77	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.813	59.86
77	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.749	60.11
77	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.808	59.75
77	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.749	59.86
77	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	180@0	64.375	66.4
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	180@0	64.278	66.44
77	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.376	69.59
77	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.41	69.73
77	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.556	69.72
77	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.385	69.55
77	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	216@0	77.154	79.74
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	216@0	77.172	79.61
77	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.497	80.12
77	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.562	79.92
77	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.41	80.1
77	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.467	79.99
77	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	240@0	85.643	88.5
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	240@0	85.676	88.52
77	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.47	90.33
77	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.262	90.25
77	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.277	90.29
77	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.649	90.34
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	270@0	96.461	99.51

77	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	96.359	99.51
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.307	100.6
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.51	100.5
77	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.32	100.5
77	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.484	100.6

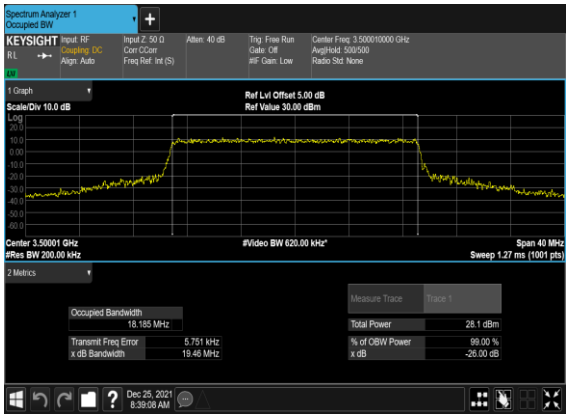
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

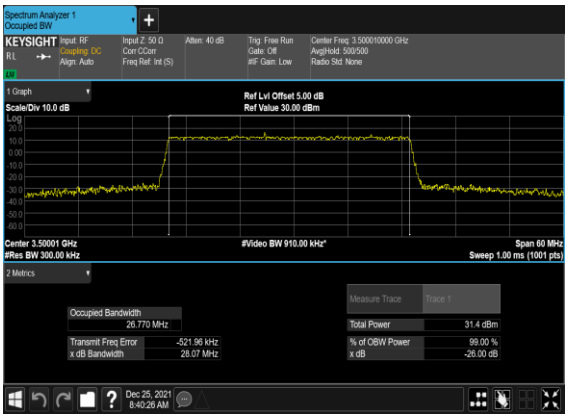
N77(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

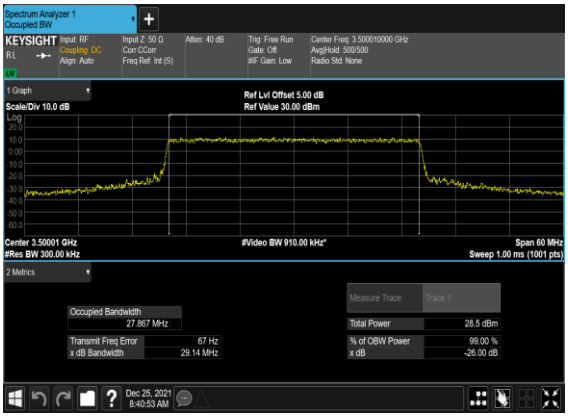
N77(30M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

N77(30M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

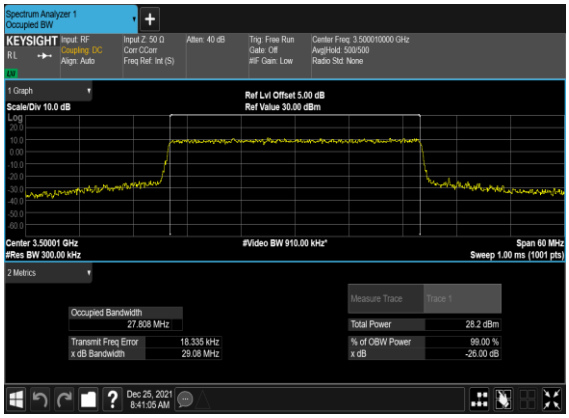


N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

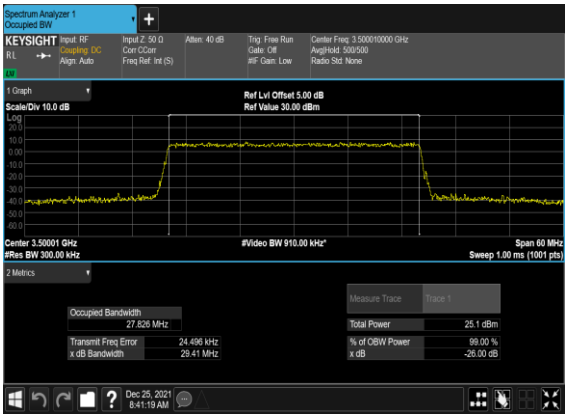
N77(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



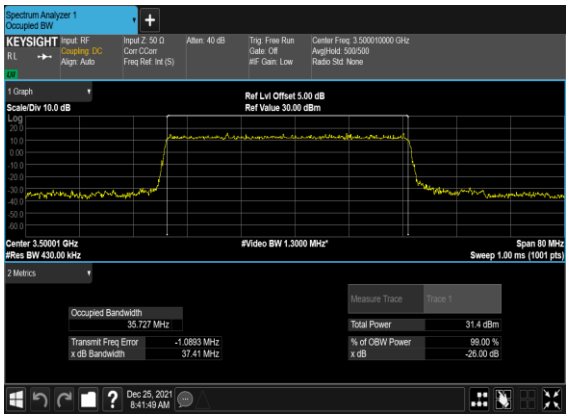
N77(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



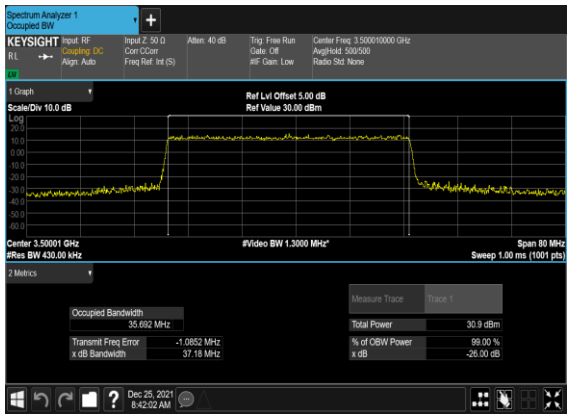
N77(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



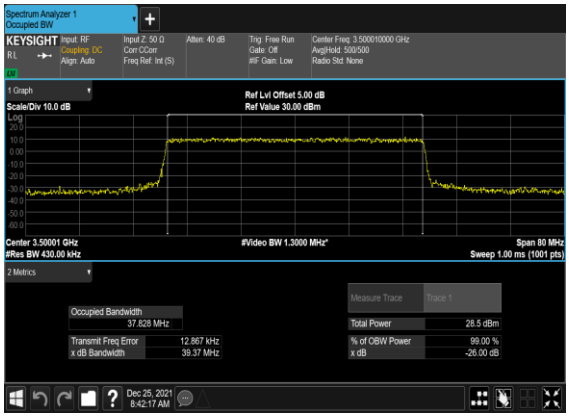
N77(40M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



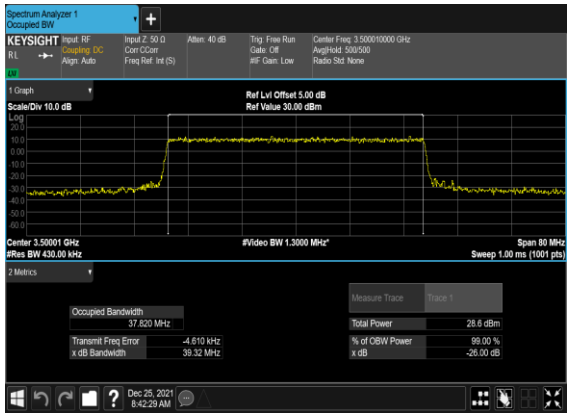
N77(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



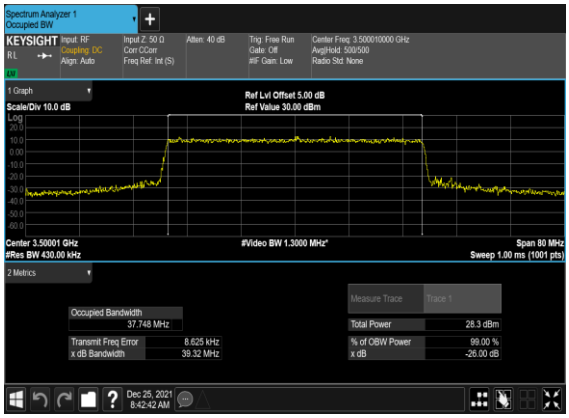
N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



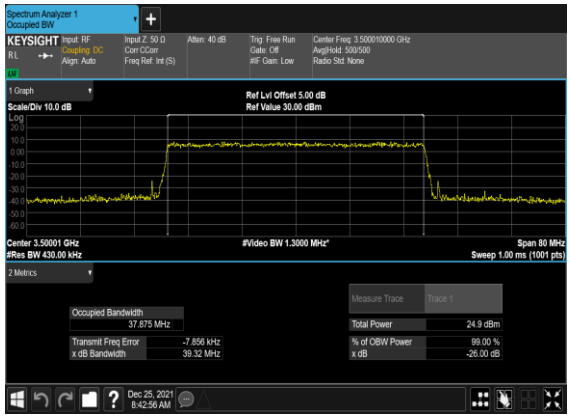
N77(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



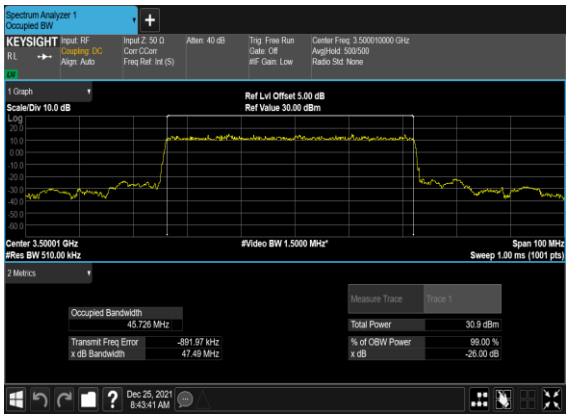
N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



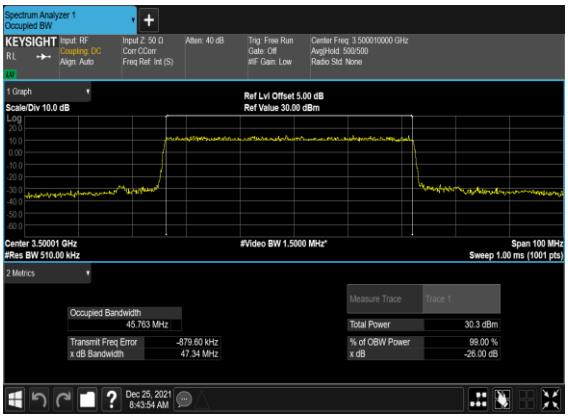
N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N77(50M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

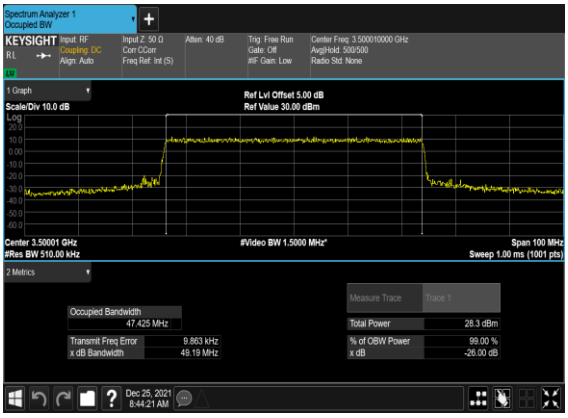


N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

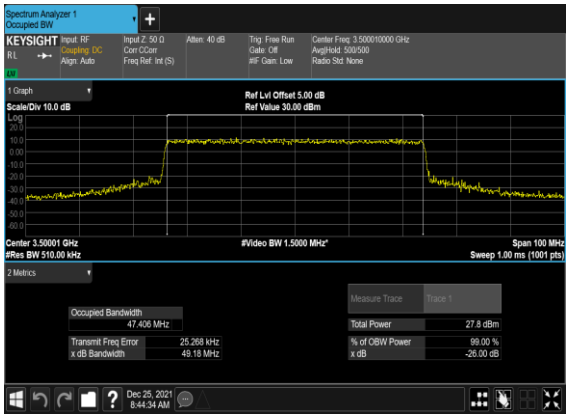


N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

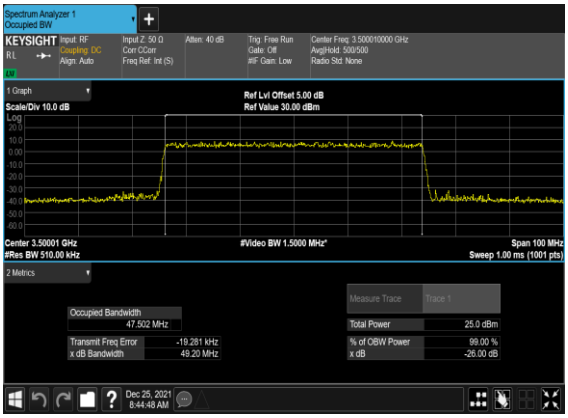
N77(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



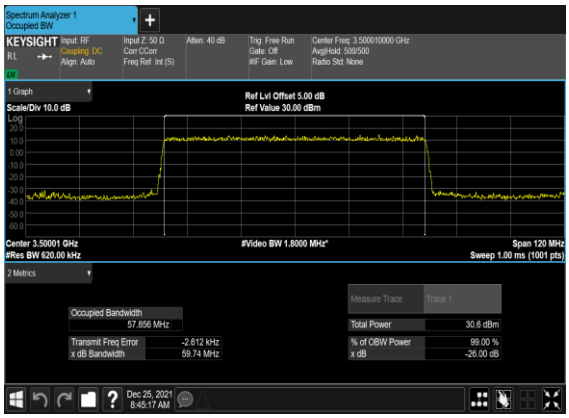
N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



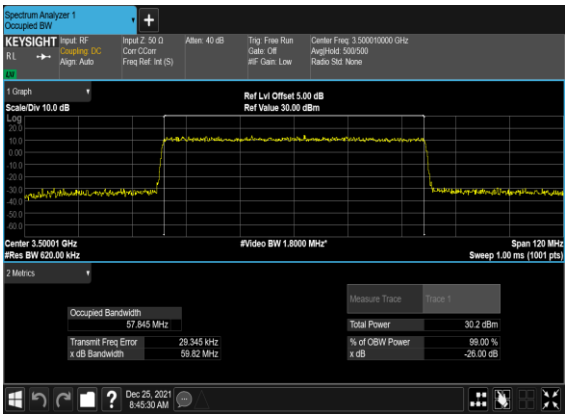
N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



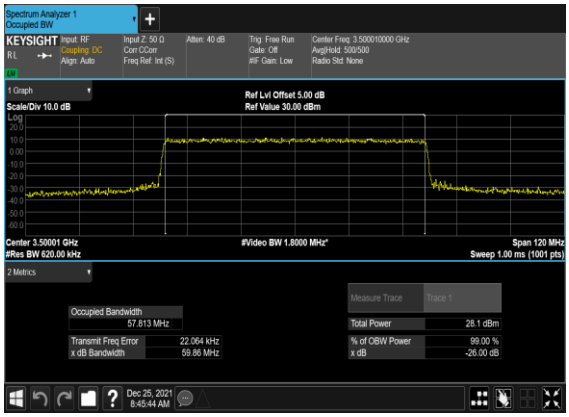
N77(60M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



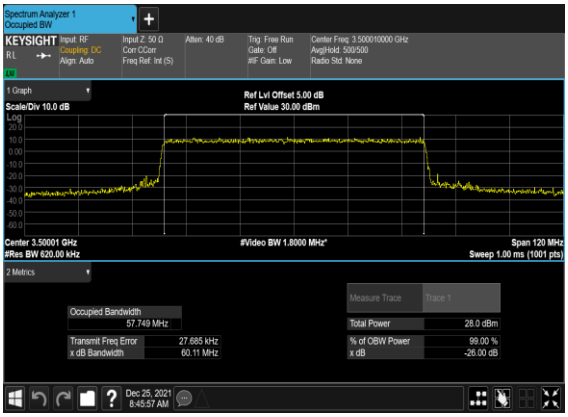
N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



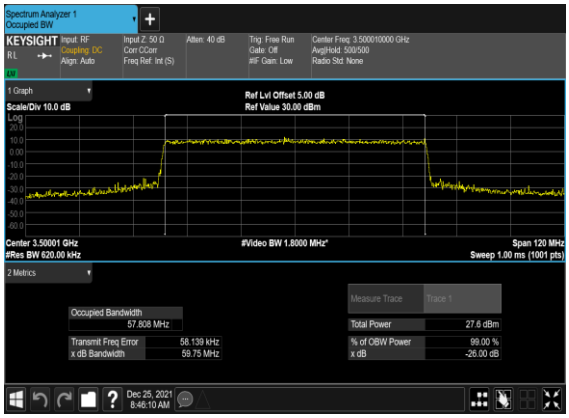
N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



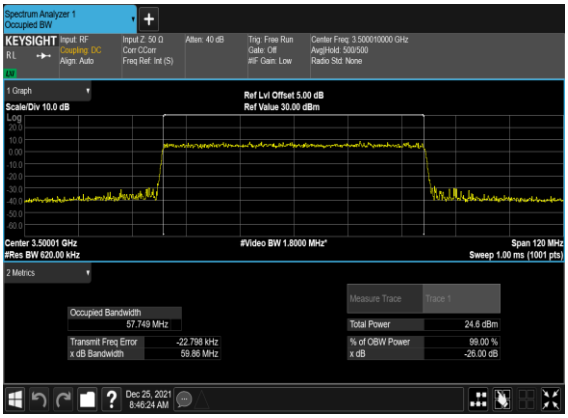
N77(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



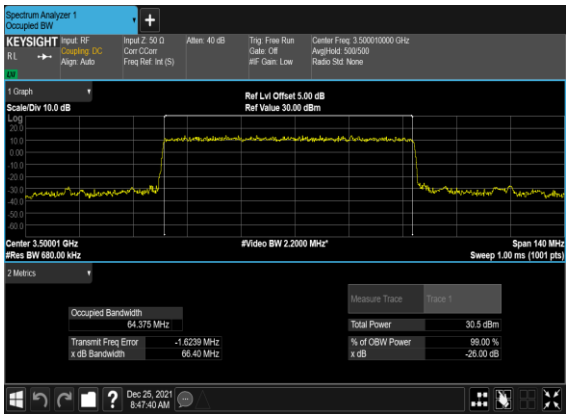
N77(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



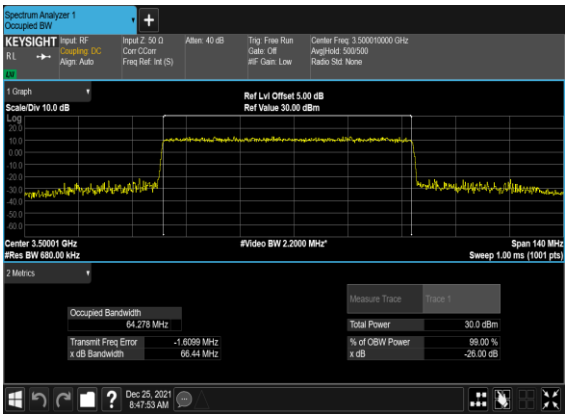
N77(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



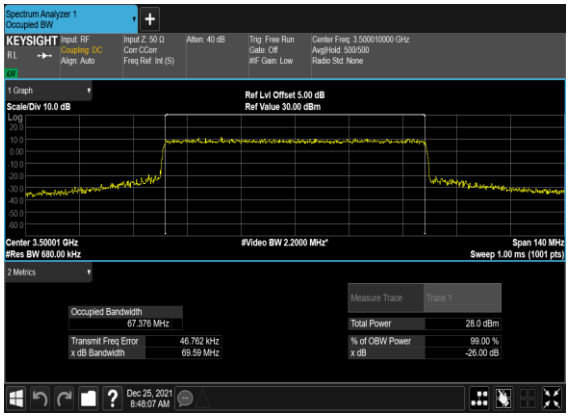
N77(70M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



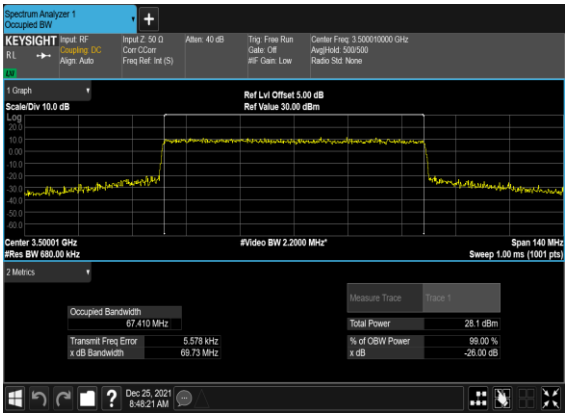
N77(70M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



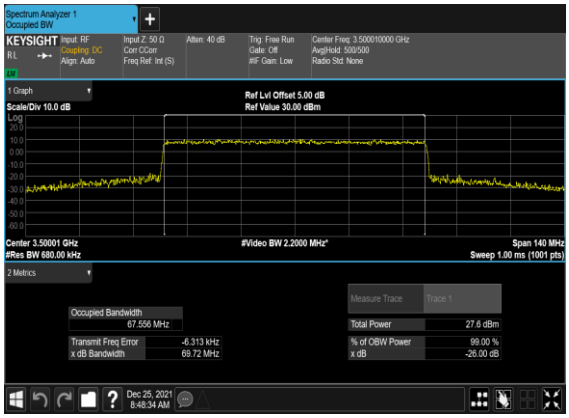
N77(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



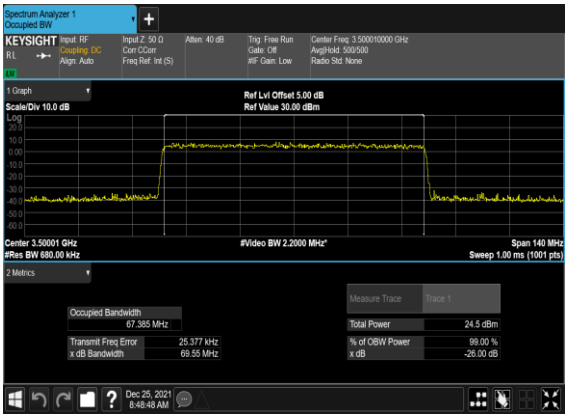
N77(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



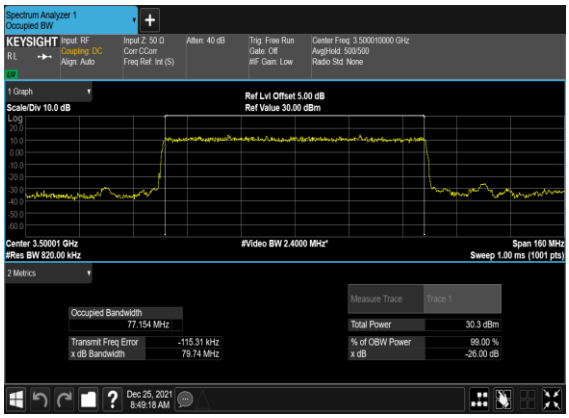
N77(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



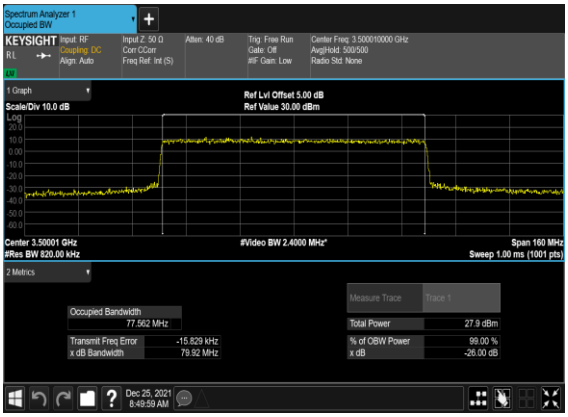
N77(80M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



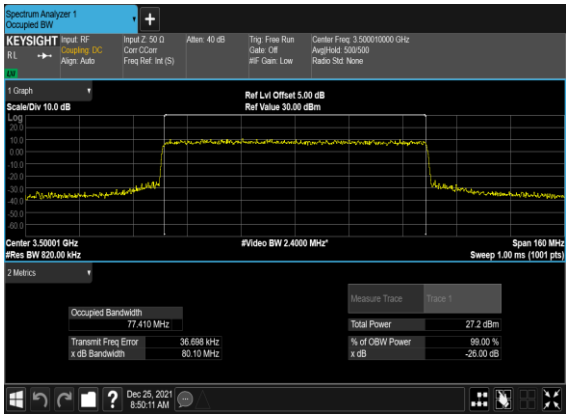
N77(80M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

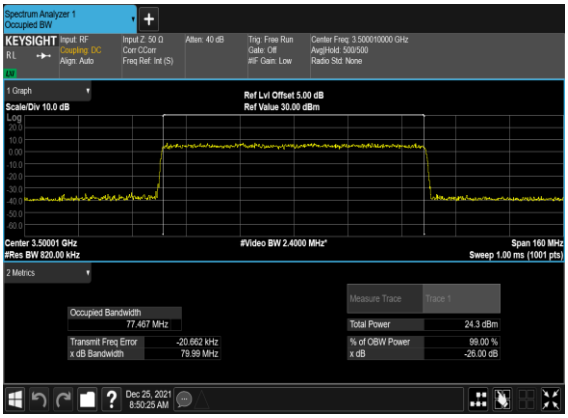
N77(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



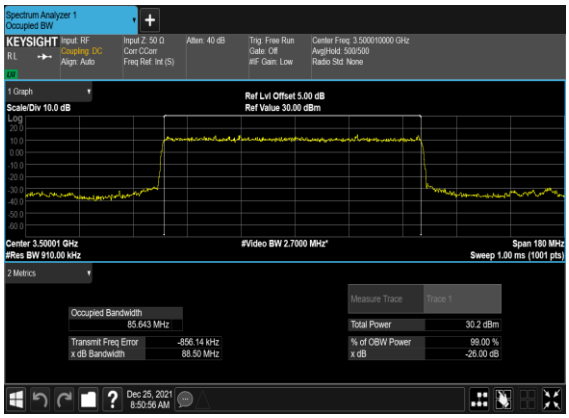
N77(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



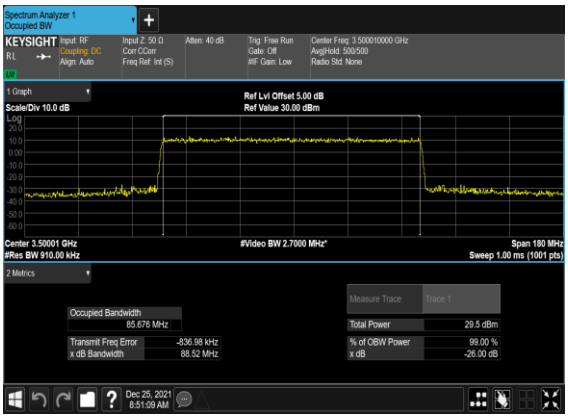
N77(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



N77(90M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

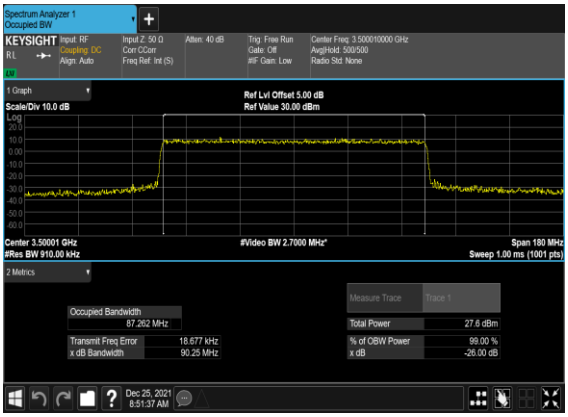


N77(90M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

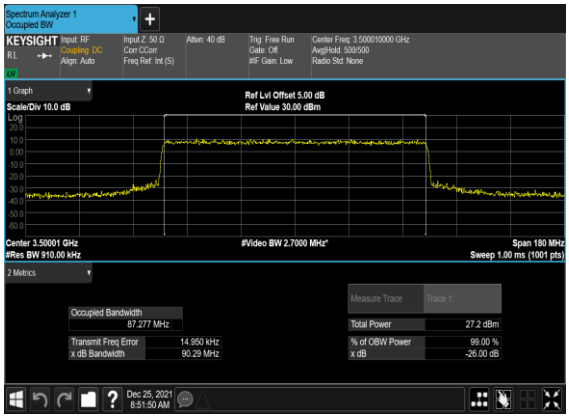


N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

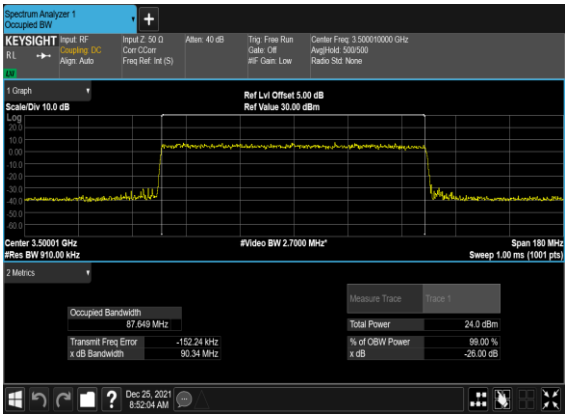
N77(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

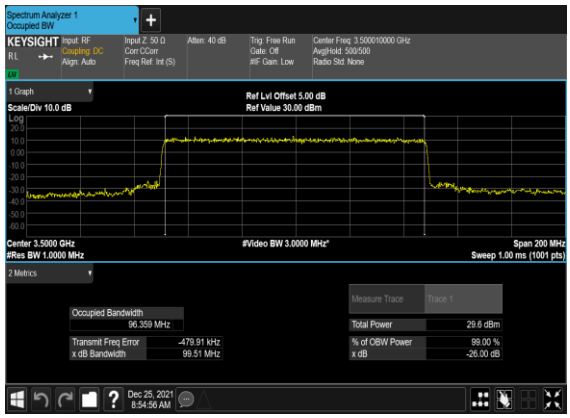


N77(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

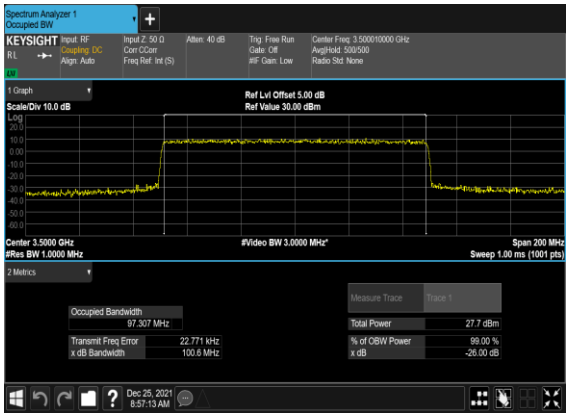


N77(100M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

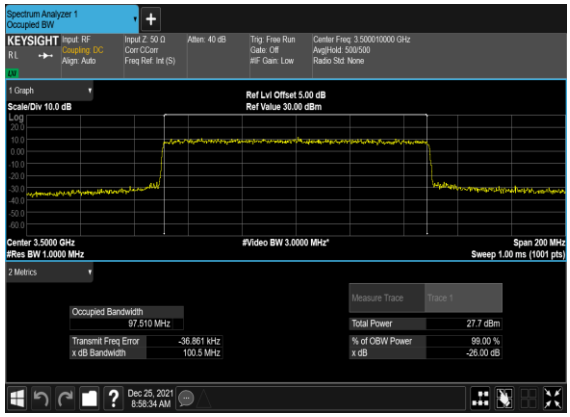
N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



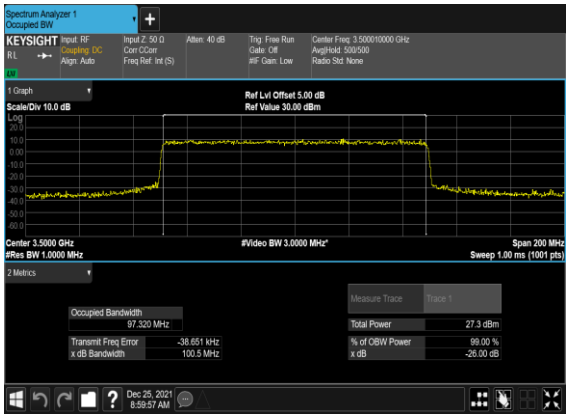
N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



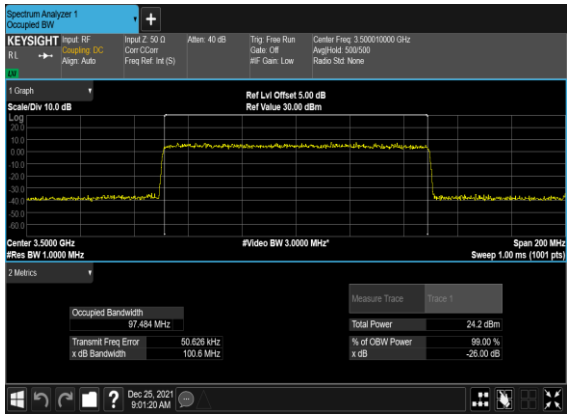
N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

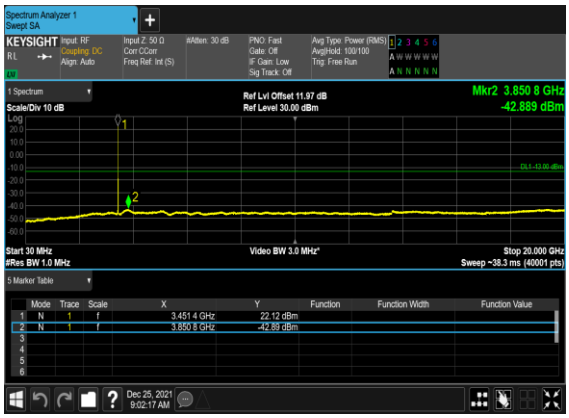


Conducted Spurious Emissions

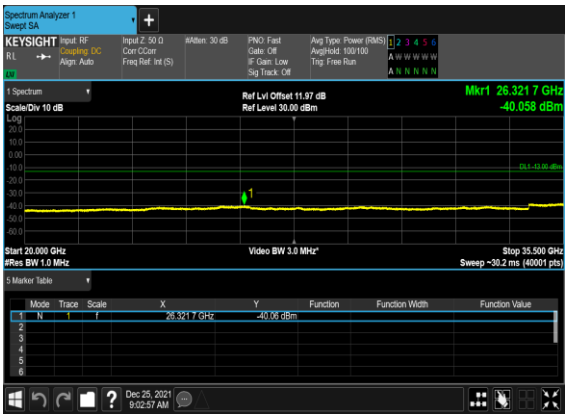
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	20	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	636000	3540.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	20	636000	3540.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	636000	3540.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	---

77	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	60	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	60	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

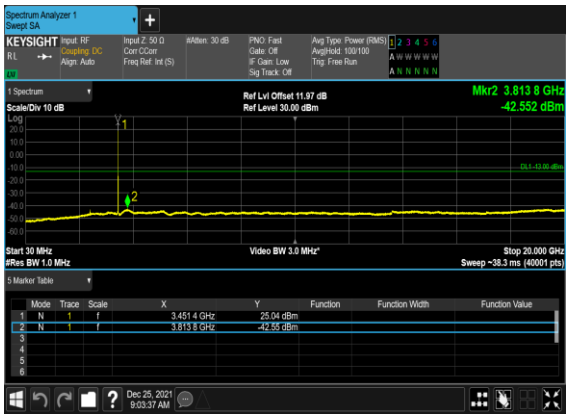
N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

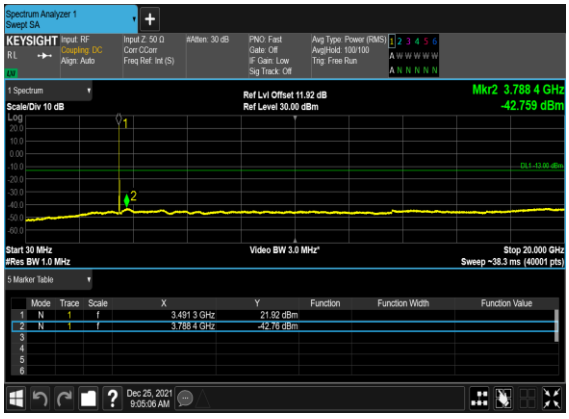


N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



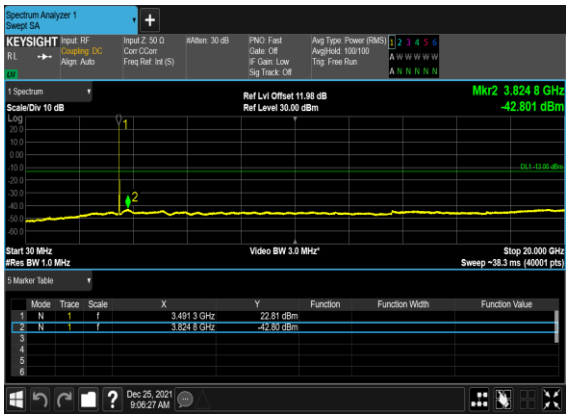
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

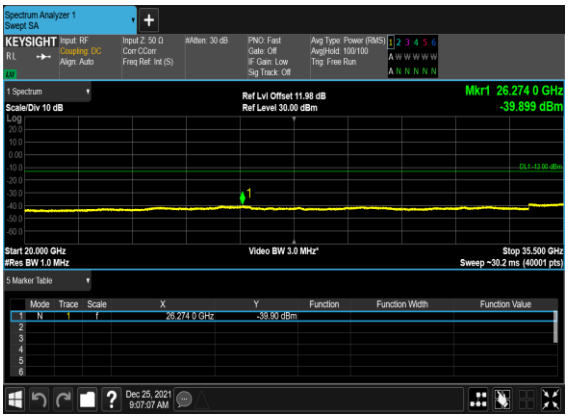


N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

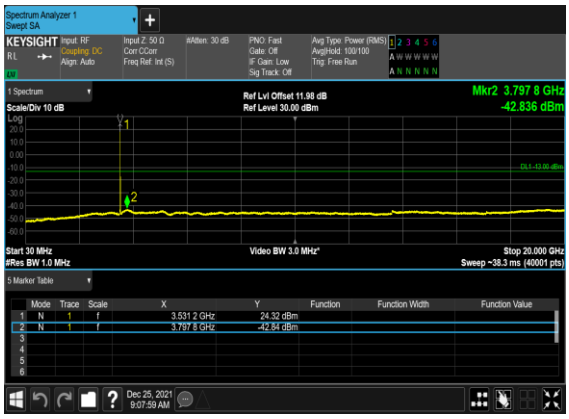
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

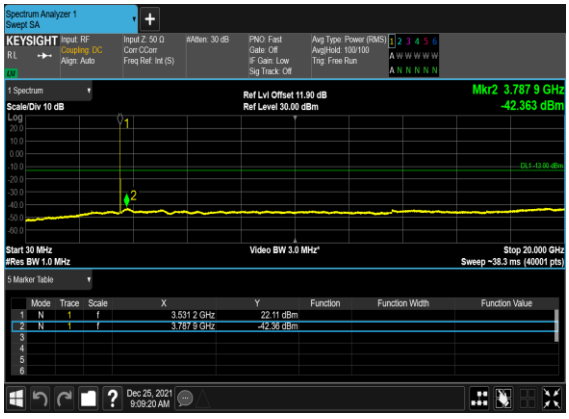


N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

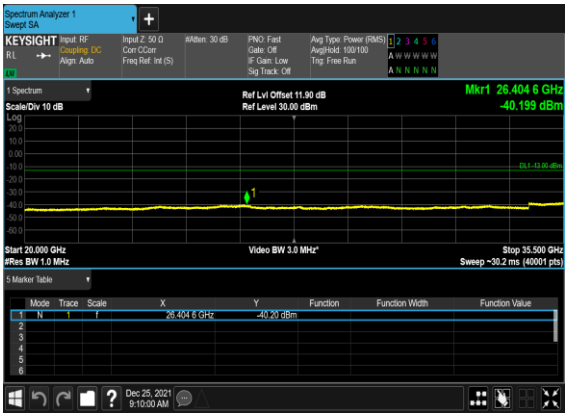


N77(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

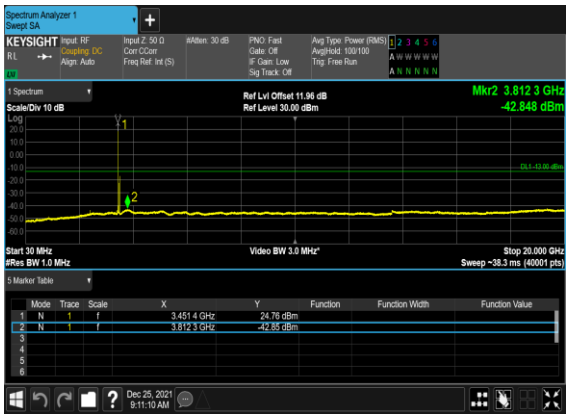
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



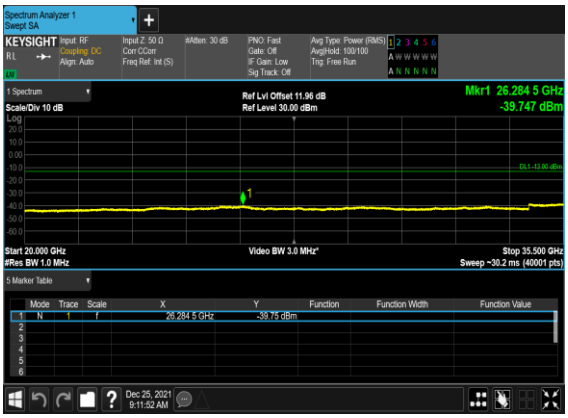
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



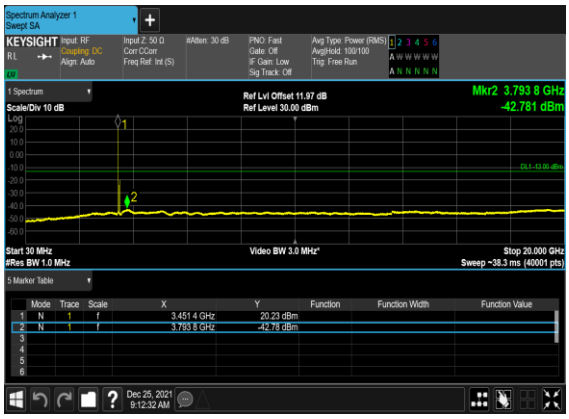
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



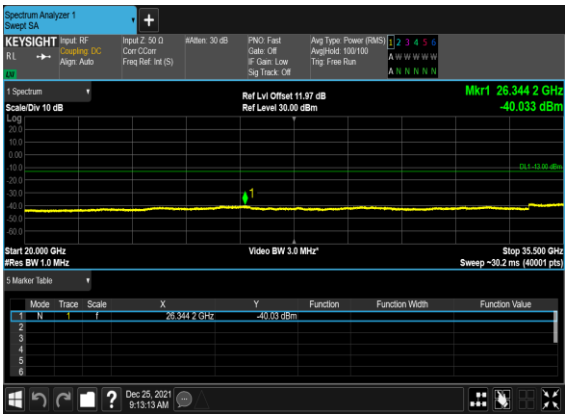
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



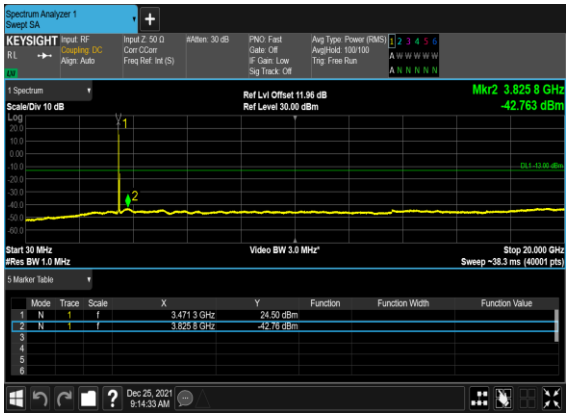
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH