FCC RF Test Report

APPLICANT	:	**Motorola Mobility LLC**
EQUIPMENT	:	**Mobile Cellular Phone**
BRAND NAME	:	**Motorola**
MODEL NAME	:	**XT2301-1**
FCC ID	:	**IHDT56AH1**
STANDARD	:	**47 CFR Part 2, 27 Subpart O**
CLASSIFICATION	:	**PCS Licensed Transmitter Held to Ear (PCE)**
TEST DATE(S)	:	**Oct. 29, 2022 ~ Nov. 25, 2022**

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

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

Jason Jia

Approved by: Jason Jia

ACCREDITED
Cert #5145.01

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

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG292622P	Rev. 01	Initial issue of report	Dec. 12, 2022

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§27.50(j)(3)	Equivalent Isotropic Radiated Power (5G NR n77, n78)	EIRP < 1Watt		
3.5	§27.50(j)(4)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	Reporting Only	PASS	-
3.7	§2.1051 §27.53(l)(2)	Conducted Band Edge Measurement (5G NR n77)	< 43+10log10(P[Watts])	PASS	-
3.8	§2.1051 §27.53(l)(2)	Conducted Spurious Emission (5G NR n77)	< 43+10log10(P[Watts])	PASS	-
3.9	§27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §27.53(l)(2)	Radiated Spurious Emission (5G NR n77)	< 43+10$\log_{10}$(P[Watts])	PASS	Under limit 13.76 dB at 9225.000 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	XT2301-1
FCC ID	IHDT56AH1
IMEI Code	Conducted : 350007550015938/350007550016357 Radiation : 350007550014055/350007550014063
HW Version	DVT2
SW Version	TTR33.124
EUT Stage	Identical Prototype

Remark: Only 5G NR bands are tested in this report, all the other RF bands are tested in the other reports separately.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency	5G NR n77: 3700 MHz ~ 3980 MHz 5G NR n78: 3700 MHz ~ 3800 MHz
SCS	30kHz
Bandwidth	10 / 15 / 20 / 25 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100MHz
Antenna Gain	**Ant. 3:** 5G NR n77: -1.8 dBi 5G NR n78: -1.8 dBi **Ant. 7:** 5G NR n77: -3.6 dBi 5G NR n78: -3.6 dBi **Ant. 8:** 5G NR n77: -2.0 dBi 5G NR n78: -2.0 dBi **Ant. 9:** 5G NR n77: -1.6 dBi 5G NR n78: -1.6 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. The maximum EIRP is calculated from max output power and max antenna gain, only the maximum EIRP is shown in the report, 5G NR n77/n78 for Antenna 3 and n77 UL MIMO for Antenna 3+8.
2. The device supports n77(1T4R) SRS resources on Antenna 3/7/8/9, only the test data of worst Antenna 3 is showed in the report according to the maximum power.
3. 5G NR n77/n78 support SA and NSA mode. The whole testing has assessed SA mode for n77 by referring to the higher conducted power for conducted test items.
4. The device supports HPUE(power class 1.5) mode for 5G NR n77.
5. For 5G NR n78, all the supported EN-DC combinations are verified conducted power, only the EN-DC combination with highest power are shown in the report.
6. The EN-DC mode combination could be referred to the product spec.
7. MIMO Antenna gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 /2]$.
8. For n77 MIMO mode, the conducted BE/Spurious are tested at single antenna port and add $10*\log(N_{ANT})$ according to KDB 662911 D01.

1.5 Modification of EUT

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

1.6 Specification of Accessory

Specification of Accessory				
AC Adapter 1(US)	**Brand Name**	Motorola (Chenyang)	**Model Name**	MC-681N
AC Adapter 2(US)	**Brand Name**	Motorola (Acbel)	**Model Name**	MC-681N
Battery 1	**Brand Name**	Motorola(SCUD)	**Model Name**	PC51
Earphone 1	**Brand Name**	Motorola (Lyand)	**Model Name**	MI181C(SH38D62338)
USB Cable 1	**Brand Name**	Motorola(Saibao)	**Model Name**	SC18D24968
C to HDMI HDMI/USBC Cable 1	**Brand Name**	Motorola(Linxee)	**Model Name**	SC18D02146
C to HDMI HDMI/USBC Cable 2	**Brand Name**	Motorola(Linxee)	**Model Name**	SC18D38847

1.7 Maximum EIRP and Emission Designator

5G NR n77 SA		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10	3705.00 ~ 3975.00	0.3251	8M61G7D	0.2642	8M60W7D
15	3705.52 ~ 3972.48	0.3258	13M6G7D	0.2716	13M6W7D
20	3710.01 ~ 3969.99	0.3266	18M2G7D	0.2735	18M2W7D
25	3712.50 ~ 3967.50	0.3273	23M2G7D	0.2793	23M2W7D
30	3715.02 ~ 3964.98	0.3251	27M8G7D	0.2818	27M8W7D
40	3720.00 ~ 3960.00	0.3296	37M8G7D	0.2917	37M9W7D
50	3725.01 ~ 3954.99	0.3236	47M5G7D	0.2735	47M5W7D
60	3730.02 ~ 3949.98	0.3266	58M1G7D	0.2588	57M9W7D
70	3735.00 ~ 3945.00	0.3266	67M6G7D	0.2624	67M6W7D
80	3740.01 ~ 3939.99	0.3214	77M6G7D	0.2541	77M7W7D
90	3745.02 ~ 3934.98	0.3228	87M7G7D	0.2606	87M8W7D
100	3750.00 ~ 3930.00	0.3304	97M5G7D	0.2667	97M8W7D

5G NR n77 UL MIMO		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10	3705.00 ~ 3975.00	0.9290	8M61G7D	0.7079	8M61W7D
15	3705.52 ~ 3972.48	0.9333	13M6G7D	0.7328	13M6W7D
20	3710.01 ~ 3969.99	0.9162	18M2G7D	0.7396	18M3W7D
25	3712.50 ~ 3967.50	0.9204	23M2G7D	0.7047	23M2W7D
30	3715.02 ~ 3964.98	0.8872	27M8G7D	0.7145	27M9W7D
40	3720.00 ~ 3960.00	0.9120	37M9G7D	0.7228	38M0W7D
50	3725.01 ~ 3954.99	0.8531	47M5G7D	0.7145	47M5W7D
60	3730.02 ~ 3949.98	0.8091	58M0G7D	0.6457	57M9W7D
70	3735.00 ~ 3945.00	0.7709	67M6G7D	0.6412	67M6W7D
80	3740.01 ~ 3939.99	0.7709	77M5G7D	0.6109	77M7W7D
90	3745.02 ~ 3934.98	0.7727	87M6G7D	0.6053	87M6W7D
100	3750.00 ~ 3930.00	0.9441	97M5G7D	0.6457	97M7W7D

5G NR n78 SA		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10	3705.00 ~ 3795.00	0.1514	8M61G7D	0.1216	8M60W7D
15	3705.505 ~ 3792.495	0.1585	13M6G7D	0.1265	13M6W7D
20	3710.01 ~ 3789.99	0.1578	18M2G7D	0.1265	18M2W7D
25	3712.50 ~ 3787.50	0.1585	23M2G7D	0.1288	23M2W7D
30	3715.005 ~ 3784.995	0.1592	27M8G7D	0.1315	27M8W7D
40	3720.00 ~ 3780.00	0.1622	37M8G7D	0.1303	37M9W7D
50	3725.01 ~ 3774.99	0.1524	47M5G7D	0.1219	47M5W7D
60	3730.02 ~ 3769.98	0.1500	58M1G7D	0.1211	57M9W7D
70	3735.00 ~ 3765.00	0.1489	67M6G7D	0.1186	67M6W7D
80	3740.01 ~ 3759.99	0.1476	77M6G7D	0.1172	77M7W7D
90	3745.02 ~ 3754.98	0.1449	87M7G7D	0.1169	87M8W7D
100	3750.00 ~ 3750.00	0.1633	97M5G7D	0.1189	97M8W7D

Note:

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

1.8 Testing Location

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.**
	03CH03-SZ	CN1256	421272

1.9 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH03-SZ	AUDIX	E3	6.2009-8-24

1.10 Applicable Standards

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

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

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

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

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

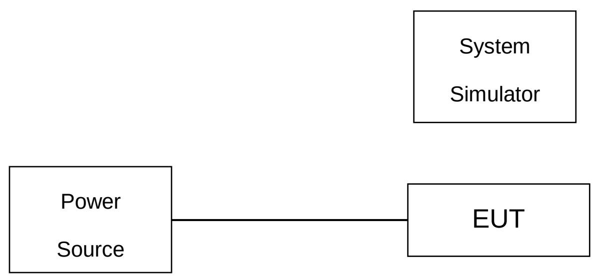
The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.

Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			

Test Items	5G NR	Bandwidth (MHz)									Modulation					RB #		Test Channel		
		10	15	20	25	30	40	50	60-90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256 QAM	1	Full	L	M	H
Max. Output Power	n77	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	n78	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	n77			v							v	v				v	v	v	v	v
26dB and 99% Bandwidth	n77	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v		v	
Conducted Band Edge	n77	v						v		v	v	v				v	v	v		v
Conducted Spurious Emission	n77	v						v		v	v	v				v		v	v	v
Frequency Stability	n77			v								v					v		v	
E.I.R.P	n77	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	n77	Worst Case																	v	
Note	1. The mark "v " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. 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. 4. Normal Voltage: 3.89Vdc, Extreme Voltage: 3.4Vdc ~4.48Vdc																			

Test Items	5G NR	Bandwidth (MHz)									Modulation					RB #		Test Channel		
		10	15	20	25	30	40	50	60-90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256 QAM	1	Full	L	M	H
Max. Output Power	n77 MIMO	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	n77 MIMO			v							v	v				v	v	v	v	v
26dB and 99% Bandwidth	n77 MIMO	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v		v	
Conducted Band Edge	n77 MIMO	v						v		v	v	v				v	v	v		v
Conducted Spurious Emission	n77 MIMO	v						v		v	v	v				v		v	v	v
Frequency Stability	n77 MIMO			v								v					v		v	
E.I.R.P	n77 MIMO	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	n77	Worst Case																	v	
Note	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. 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. 4. Normal Voltage: 3.89Vdc, Extreme Voltage: 3.4Vdc ~4.48Vdc																			

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.	DC Power Supply	GW	GPS-3030D	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
3.	NR Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

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

The spectrum analyzer offset is derived from RF cable loss.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 8.7 dB.

Example :

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

= 8.7 (dB)

2.5 Frequency List of Low/Middle/High Channels

5G n77 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	650000	656000	662000
	Frequency	3750	3840	3930
90	Channel	649668	656000	662332
	Frequency	3745.02	3840	3934.98
80	Channel	649334	656000	662666
	Frequency	3740.01	3840	3939.99
70	Channel	649000	656000	663000
	Frequency	3735	3840	3945
60	Channel	648668	656000	663332
	Frequency	3730.02	3840	3949.98
50	Channel	648334	656000	663666
	Frequency	3725.01	3840	3954.99
40	Channel	648000	656000	664000
	Frequency	3720	3840	3960
30	Channel	647668	656000	664332
	Frequency	3715.02	3840	3964.98
25	Channel	647500	656000	664500
	Frequency	3712.5	3840	3967.5
20	Channel	647334	656000	664666
	Frequency	3710.01	3840	3969.99
15	Channel	647168	656000	664832
	Frequency	3707.52	3840	3972.48
10	Channel	647000	656000	665000
	Frequency	3705	3840	3975

5G n78 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel		650000	
	Frequency		3750	
90	Channel	649668	650000	650332
	Frequency	3745.02	3750	3754.98
80	Channel	649334	650000	650666
	Frequency	3740.01	3750	3759.99
70	Channel	649000	650000	651000
	Frequency	3735	3750	3765
60	Channel	648668	650000	651332
	Frequency	3730.02	3750	3769.98
50	Channel	648334	650000	651666
	Frequency	3725.01	3750	3774.99
40	Channel	648000	650000	652000
	Frequency	3720	3750	3780
30	Channel	647668	650000	652332
	Frequency	3715.02	3750	3784.98
25	Channel	647500	650000	652500
	Frequency	3712.5	3750	3787.5
20	Channel	647334	650000	652666
	Frequency	3710.01	3750	3789.99
15	Channel	647168	650000	652832
	Frequency	3707.52	3750	3792.48
10	Channel	647000	650000	653000
	Frequency	3705	3750	3795

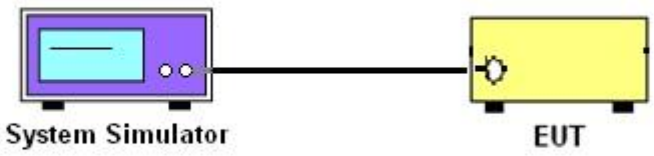
3 Conducted Test Items

3.1 Measuring Instruments

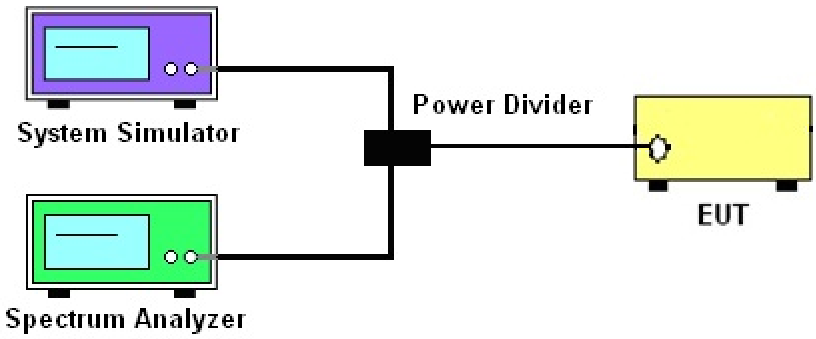
See list of measuring instruments of this test report.

3.2 Test Setup

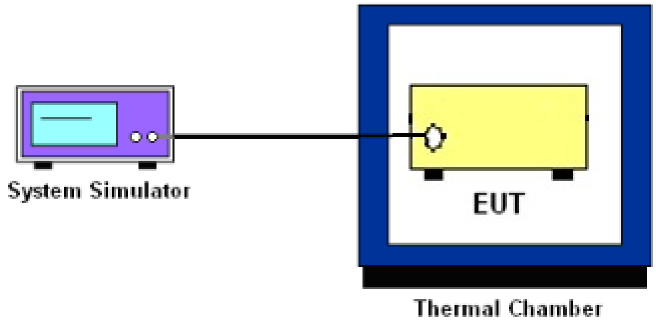
3.2.1 Conducted Output Power



3.2.2 Peak-to-Average Ratio, Occupied Bandwidth, Conducted 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 and EIRP

3.4.1 Description of the Conducted Output Power Measurement and EIRP Measurement

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

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n77, n78.

According to KDB 412172 D01 Power Approach,

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

3.4.2 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 Occupied Bandwidth

3.6.1 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.

3.6.2 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.

3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

27.53(l)(2)

For mobile operations in the 3700-3980 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, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 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.

3.7.2 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 in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.

   Example:

   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

   = P(W)- [43 + 10log(P)] (dB)

   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.
9. When using the integration method, the starting frequency of the integration shall be centered at one-half of the RBW away from the band edge.

3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10^{th} harmonic.

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 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. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.

3.9 Frequency Stability

3.9.1 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. The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency.

3.9.2 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.

3.9.3 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.

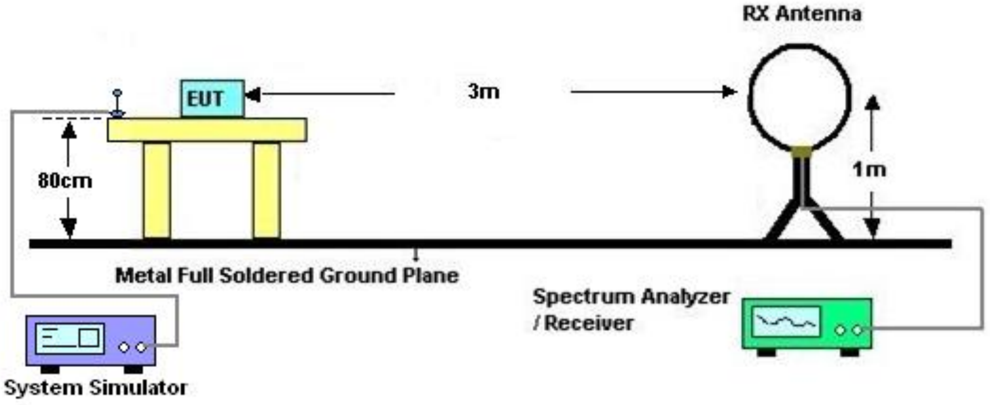
4 Radiated Test Items

4.1 Measuring Instruments

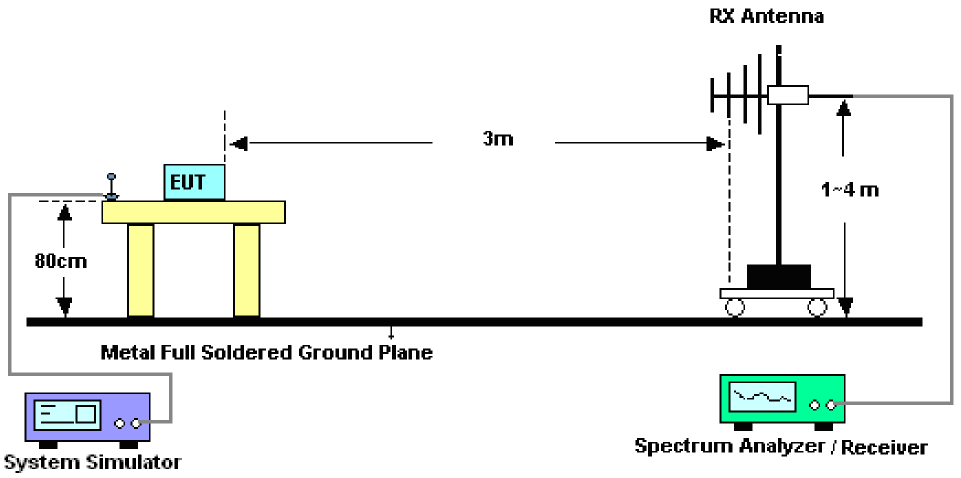
See list of measuring instruments of this test report.

4.2 Test Setup

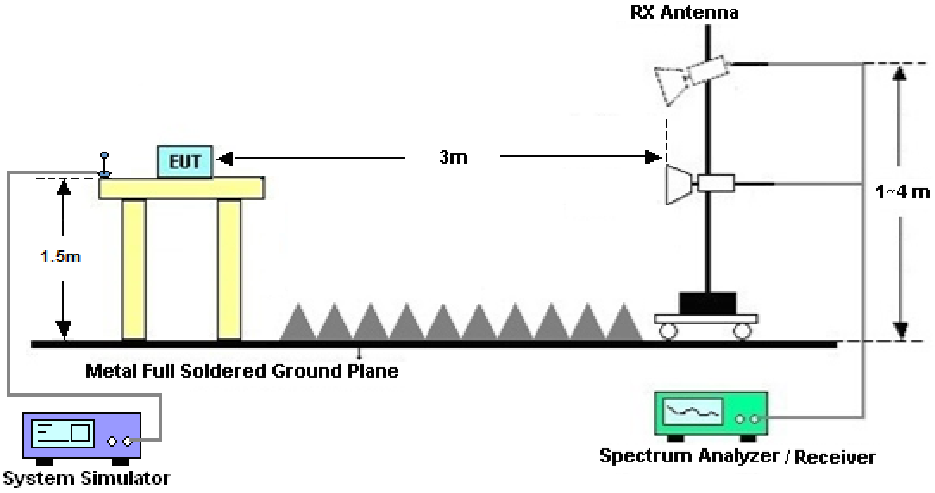
4.2.1 For radiated test below 30MHz



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

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

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.
10. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
11. ERP (dBm) = EIRP - 2.15
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

    The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

    = P(W)- [43 + 10log(P)] (dB)

    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)

    = -13dBm.

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. 07, 2022	Oct. 29, 2022~ Nov. 25, 2022	Apr. 06, 2023	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V，3A	Oct. 17, 2022	Oct. 29, 2022~ Nov. 25, 2022	Oct. 16, 2023	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2021	Oct. 29, 2022~ Nov. 25, 2022	Dec. 24, 2022	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 07, 2022	Oct. 29, 2022~ Nov. 25, 2022	Jul. 06, 2023	Conducted (TH01-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 06, 2022	Nov. 15, 2022	Apr. 05, 2023	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 28, 2022	Nov. 15, 2022	Jun. 27, 2023	Radiation (03CH03-SZ)
EXA Spectrum Anaiyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 06, 2022	Nov. 15, 2022	Apr. 05, 2023	Radiation (03CH03-SZ
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	Aug. 09, 2022	Nov. 15, 2022	Aug. 08, 2023	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 08, 2022	Nov. 15, 2022	Apr. 07, 2023	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 19, 2022	Nov. 15, 2022	Oct. 18, 2023	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 06, 2022	Nov. 15, 2022	Jul. 05, 2023	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 10, 2022	Nov. 15, 2022	Apr. 09, 2023	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Dec. 27, 2021	Nov. 15, 2022	Dec. 26, 2022	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010002729	N/A	Nov. 10, 2022	Nov. 15, 2022	Nov. 09, 2023	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Nov. 15, 2022	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Nov. 15, 2022	NCR	Radiation (03CH03-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 Conducted Measurement

Test Item	Uncertainty
Conducted Power	**±1.34 dB**
Conducted Emissions	**±1.34 dB**
Occupied Channel Bandwidth	**±0.13 %**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.0dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.6dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.8dB**

----------- THE END -----------

Appendix A. Test Results of Conducted Test

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

Software Version: 22.09.0601

FR1 N77-ANT3

Transmitter Conducted Output Power And EIRP, (G_T - L_C)=-1.8dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@1	26.53	24.73	0.2972
77	30	10	647000	3705.0	DFT-s-OFDM 16 QAM	1@1	25.58	23.78	0.2388
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@1	26.9	25.1	0.3236
77	30	10	656000	3840.0	DFT-s-OFDM 16 QAM	1@1	25.9	24.1	0.2570
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@1	26.92	25.12	0.3251
77	30	10	665000	3975.0	DFT-s-OFDM 16 QAM	1@1	26.02	24.22	0.2642
77	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	26.86	25.06	0.3206
77	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	25.88	24.08	0.2559
77	30	15	656000	3840.0	DFT-s-OFDM QPSK	1@1	26.93	25.13	0.3258
77	30	15	656000	3840.0	DFT-s-OFDM 16 QAM	1@1	26.03	24.23	0.2649
77	30	15	664832	3972.48	DFT-s-OFDM QPSK	1@1	26.92	25.12	0.3251
77	30	15	664832	3972.48	DFT-s-OFDM 16 QAM	1@1	26.14	24.34	0.2716
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	26.82	25.02	0.3177
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	25.81	24.01	0.2518
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@1	26.91	25.11	0.3243
77	30	20	656000	3840.0	DFT-s-OFDM 16 QAM	1@1	25.99	24.19	0.2624
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@1	26.94	25.14	0.3266
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@1	26.17	24.37	0.2735
77	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	26.81	25.01	0.3170
77	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	25.87	24.07	0.2553
77	30	25	656000	3840.0	DFT-s-OFDM QPSK	1@1	26.91	25.11	0.3243
77	30	25	656000	3840.0	DFT-s-OFDM 16 QAM	1@1	26.04	24.24	0.2655

77	30	25	664500	3967.5	DFT-s-OFDM QPSK	1@1	26.95	25.15	0.3273
77	30	25	664500	3967.5	DFT-s-OFDM 16 QAM	1@1	26.26	24.46	0.2793
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	26.82	25.02	0.3177
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	25.87	24.07	0.2553
77	30	30	656000	3715.02	DFT-s-OFDM QPSK	1@1	26.85	25.05	0.3199
77	30	30	656000	3840.0	DFT-s-OFDM 16 QAM	1@1	26.13	24.33	0.2710
77	30	30	664332	3964.98	DFT-s-OFDM QPSK	1@1	26.92	25.12	0.3251
77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	1@1	26.3	24.5	0.2818
77	30	40	648000	3720.0	DFT-s-OFDM QPSK	1@1	26.98	25.18	0.3296
77	30	40	648000	3720.0	DFT-s-OFDM 16 QAM	1@1	25.99	24.19	0.2624
77	30	40	656000	3840.0	DFT-s-OFDM QPSK	1@1	26.94	25.14	0.3266
77	30	40	656000	3840.0	DFT-s-OFDM 16 QAM	1@1	26.18	24.38	0.2742
77	30	40	664000	3960.0	DFT-s-OFDM QPSK	1@1	26.95	25.15	0.3273
77	30	40	664000	3960.0	DFT-s-OFDM 16 QAM	1@1	26.45	24.65	0.2917
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	26.72	24.92	0.3105
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	25.71	23.91	0.2460
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@1	26.87	25.07	0.3214
77	30	50	656000	3840.0	DFT-s-OFDM 16 QAM	1@1	25.88	24.08	0.2559
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@1	26.9	25.1	0.3236
77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@1	26.17	24.37	0.2735
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	26.63	24.83	0.3041
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	25.68	23.88	0.2443
77	30	60	656000	3840.0	DFT-s-OFDM QPSK	1@1	26.81	25.01	0.3170
77	30	60	656000	3840.0	DFT-s-OFDM 16 QAM	1@1	25.85	24.05	0.2541
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@1	26.94	25.14	0.3266
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@1	25.93	24.13	0.2588
77	30	70	649000	3735.0	DFT-s-OFDM QPSK	1@1	26.62	24.82	0.3034

77	30	70	649000	3735.0	DFT-s-OFDM 16 QAM	1@1	25.62	23.82	0.2410
77	30	70	656000	3840.0	DFT-s-OFDM QPSK	1@1	26.79	24.99	0.3155
77	30	70	656000	3840.0	DFT-s-OFDM 16 QAM	1@1	25.85	24.05	0.2541
77	30	70	663000	3945.0	DFT-s-OFDM QPSK	1@1	26.94	25.14	0.3266
77	30	70	663000	3945.0	DFT-s-OFDM 16 QAM	1@1	25.99	24.19	0.2624
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	26.62	24.82	0.3034
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	25.63	23.83	0.2415
77	30	80	656000	3840.0	DFT-s-OFDM QPSK	1@1	26.68	24.88	0.3076
77	30	80	656000	3840.0	DFT-s-OFDM 16 QAM	1@1	25.77	23.97	0.2495
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@1	26.87	25.07	0.3214
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@1	25.85	24.05	0.2541
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	26.61	24.81	0.3027
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	25.66	23.86	0.2432
77	30	90	656000	3840.0	DFT-s-OFDM QPSK	1@1	26.67	24.87	0.3069
77	30	90	656000	3840.0	DFT-s-OFDM 16 QAM	1@1	25.75	23.95	0.2483
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	1@1	26.89	25.09	0.3228
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	1@1	25.96	24.16	0.2606
77	30	100	650000	3750.0	DFT-s-OFDM PI/2 BPSK	135@67	26.52	24.72	0.2965
77	30	100	650000	3750.0	DFT-s-OFDM PI/2 BPSK	1@1	26.61	24.81	0.3027
77	30	100	650000	3750.0	DFT-s-OFDM PI/2 BPSK	1@271	26.99	25.19	0.3304
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	135@67	26.48	24.68	0.2938
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@1	26.69	24.89	0.3083
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@271	26.39	24.59	0.2877
77	30	100	650000	3750.0	DFT-s-OFDM 16 QAM	135@67	25.48	23.68	0.2333
77	30	100	650000	3750.0	DFT-s-OFDM 16 QAM	1@1	25.68	23.88	0.2443
77	30	100	650000	3750.0	DFT-s-OFDM 16 QAM	1@271	25.39	23.59	0.2286
77	30	100	650000	3750.0	DFT-s-OFDM 64 QAM	135@67	23.97	22.17	0.1648

77	30	100	650000	3750.0	DFT-s-OFDM 64 QAM	1@1	24.13	22.33	0.1710
77	30	100	650000	3750.0	DFT-s-OFDM 64 QAM	1@271	23.9	22.1	0.1622
77	30	100	650000	3750.0	DFT-s-OFDM 256 QAM	135@67	21.96	20.16	0.1038
77	30	100	650000	3750.0	DFT-s-OFDM 256 QAM	1@1	21.97	20.17	0.1040
77	30	100	650000	3750.0	DFT-s-OFDM 256 QAM	1@271	21.74	19.94	0.0986
77	30	100	650000	3750.0	CP-OFDM QPSK	137@68	24.98	23.18	0.2080
77	30	100	650000	3750.0	CP-OFDM QPSK	1@1	25.07	23.27	0.2123
77	30	100	650000	3750.0	CP-OFDM QPSK	1@271	24.81	23.01	0.2000
77	30	100	656000	3840.0	DFT-s-OFDM PI/2 BPSK	135@67	26.88	25.08	0.3221
77	30	100	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@1	26.72	24.92	0.3105
77	30	100	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@271	26.98	25.18	0.3296
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	135@67	26.84	25.04	0.3192
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@1	26.75	24.95	0.3126
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@271	26.94	25.14	0.3266
77	30	100	656000	3840.0	DFT-s-OFDM 16 QAM	135@67	25.82	24.02	0.2523
77	30	100	656000	3840.0	DFT-s-OFDM 16 QAM	1@1	25.8	24	0.2512
77	30	100	656000	3840.0	DFT-s-OFDM 16 QAM	1@271	26.06	24.26	0.2667
77	30	100	656000	3840.0	DFT-s-OFDM 64 QAM	135@67	24.32	22.52	0.1786
77	30	100	656000	3840.0	DFT-s-OFDM 64 QAM	1@1	24.22	22.42	0.1746
77	30	100	656000	3840.0	DFT-s-OFDM 64 QAM	1@271	24.45	22.65	0.1841
77	30	100	656000	3840.0	DFT-s-OFDM 256 QAM	135@67	22.33	20.53	0.1130
77	30	100	656000	3840.0	DFT-s-OFDM 256 QAM	1@1	22.78	20.98	0.1253
77	30	100	656000	3840.0	DFT-s-OFDM 256 QAM	1@271	22.33	20.53	0.1130
77	30	100	656000	3840.0	CP-OFDM QPSK	137@68	25.27	23.47	0.2223
77	30	100	656000	3840.0	CP-OFDM QPSK	1@1	25.18	23.38	0.2178
77	30	100	656000	3840.0	CP-OFDM QPSK	1@271	25.45	23.65	0.2317
77	30	100	662000	3930.0	DFT-s-OFDM PI/2 BPSK	135@67	26.84	25.04	0.3192

77	30	100	662000	3930.0	DFT-s-OFDM PI/2 BPSK	1@1	26.87	25.07	0.3214
77	30	100	662000	3930.0	DFT-s-OFDM PI/2 BPSK	1@271	26.95	25.15	0.3273
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	135@67	26.82	25.02	0.3177
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@1	26.88	25.08	0.3221
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@271	26.69	24.89	0.3083
77	30	100	662000	3930.0	DFT-s-OFDM 16 QAM	135@67	25.74	23.94	0.2477
77	30	100	662000	3930.0	DFT-s-OFDM 16 QAM	1@1	25.91	24.11	0.2576
77	30	100	662000	3930.0	DFT-s-OFDM 16 QAM	1@271	25.76	23.96	0.2489
77	30	100	662000	3930.0	DFT-s-OFDM 64 QAM	135@67	24.21	22.41	0.1742
77	30	100	662000	3930.0	DFT-s-OFDM 64 QAM	1@1	24.34	22.54	0.1795
77	30	100	662000	3930.0	DFT-s-OFDM 64 QAM	1@271	24.22	22.42	0.1746
77	30	100	662000	3930.0	DFT-s-OFDM 256 QAM	135@67	22.11	20.31	0.1074
77	30	100	662000	3930.0	DFT-s-OFDM 256 QAM	1@1	22.19	20.39	0.1094
77	30	100	662000	3930.0	DFT-s-OFDM 256 QAM	1@271	22.02	20.22	0.1052
77	30	100	662000	3930.0	CP-OFDM QPSK	137@68	25.28	23.48	0.2228
77	30	100	662000	3930.0	CP-OFDM QPSK	1@1	25.33	23.53	0.2254
77	30	100	662000	3930.0	CP-OFDM QPSK	1@271	25.15	23.35	0.2163

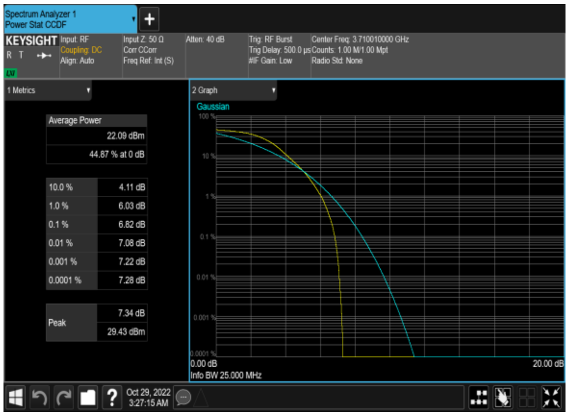
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0026	**PASS**	NV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0067	**PASS**	LV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0025	**PASS**	HV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0048	**PASS**	-30℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0051	**PASS**	-20℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0026	**PASS**	-10℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0021	**PASS**	0℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0048	**PASS**	10℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0026	**PASS**	20℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0066	**PASS**	30℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0025	**PASS**	40℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0053	**PASS**	50℃

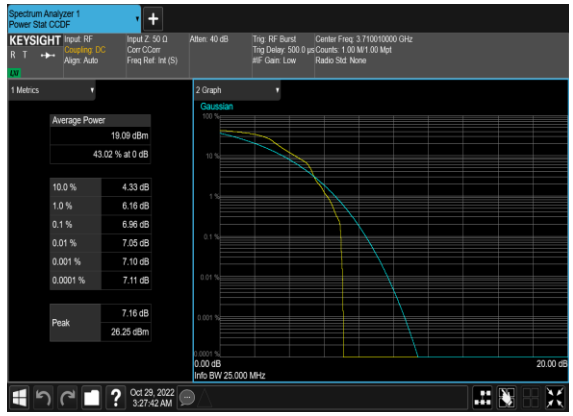
Peak to Average Radio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	50@0	6.82	13	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@0	6.96	13	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	7.61	13	**PASS**
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	6.78	13	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	6.71	13	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@0	7.5	13	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	7.49	13	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	7.09	13	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	50@0	6.7	13	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@0	7.57	13	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	50@0	7.42	13	**PASS**
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@0	7.31	13	**PASS**

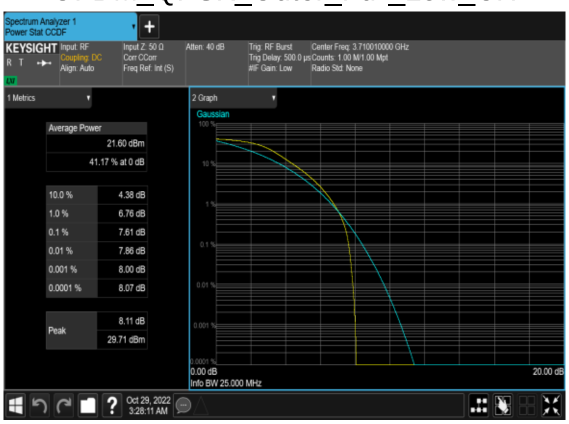
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



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

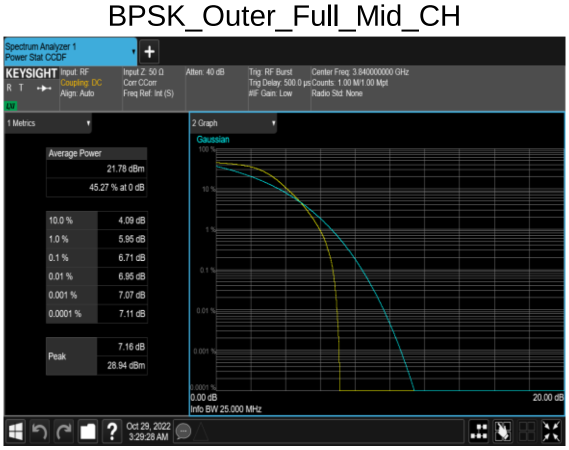


N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

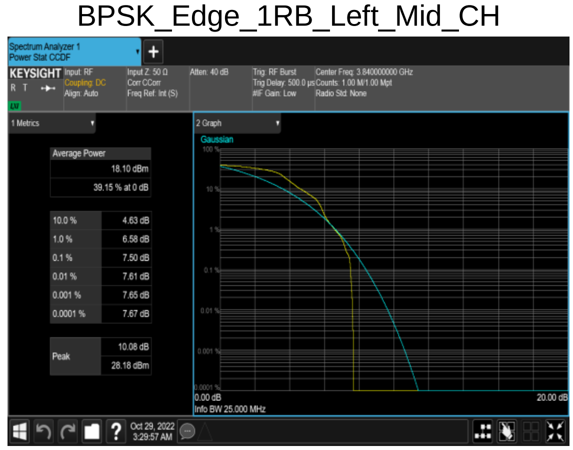


N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

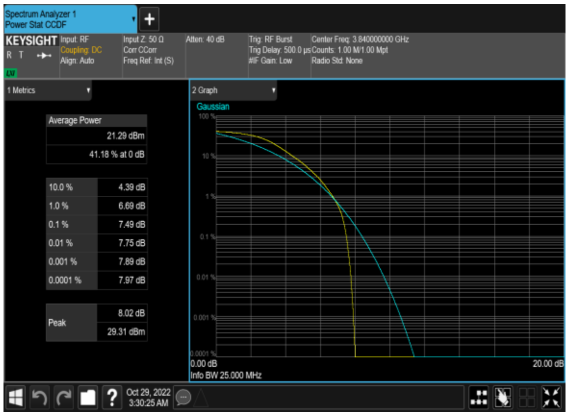
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



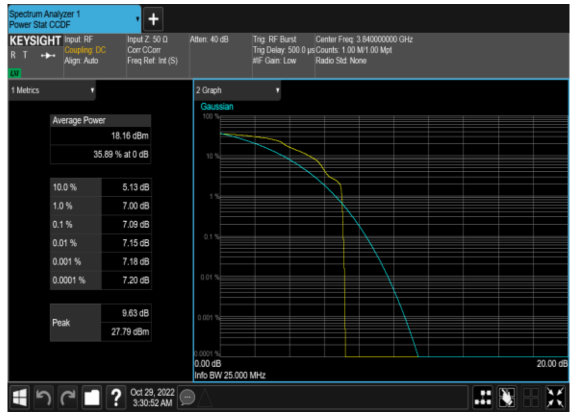
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



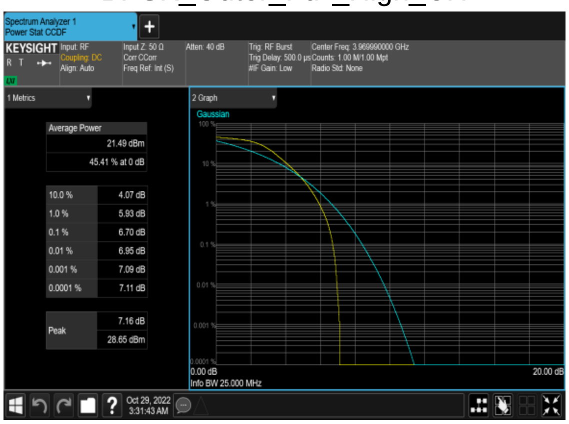
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



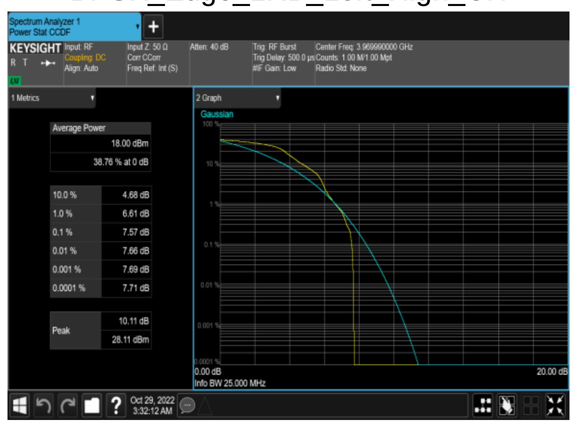
N77(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



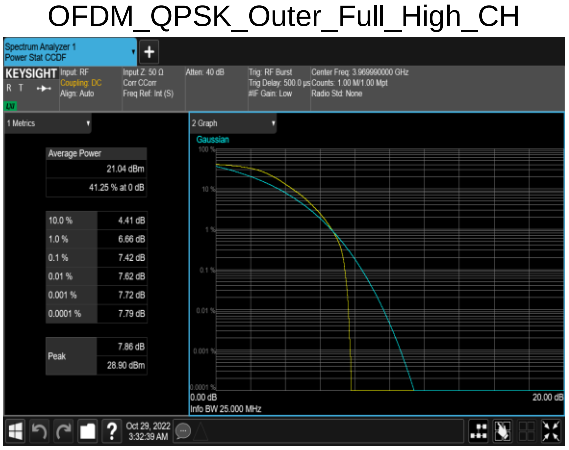
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



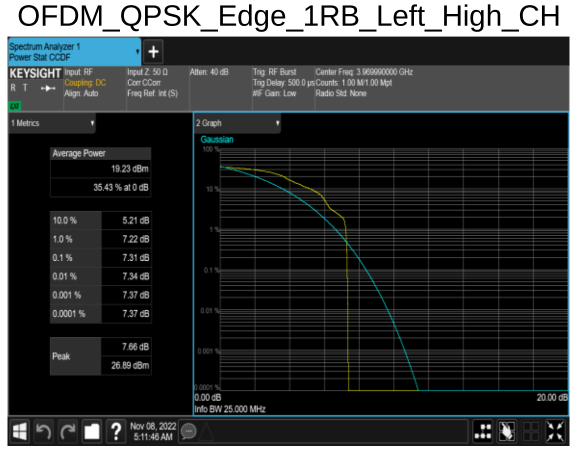
N77(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_High_CH



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	10	656000	3840.0	DFT-s-OFDM PI/2 BPSK	24@0	8.6057	9.614
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	24@0	8.6033	9.751
77	30	10	656000	3840.0	CP-OFDM QPSK	24@0	8.5876	10.03
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.5997	9.809
77	30	10	656000	3840.0	CP-OFDM 64 QAM	24@0	8.5929	9.558
77	30	10	656000	3840.0	CP-OFDM 256 QAM	24@0	8.5827	9.567
77	30	15	656000	3840.0	DFT-s-OFDM PI/2 BPSK	36@0	12.834	14.01
77	30	15	656000	3840.0	DFT-s-OFDM QPSK	36@0	12.862	14.08
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	13.574	14.95
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	13.609	14.81
77	30	15	656000	3840.0	CP-OFDM 64 QAM	38@0	13.592	15.06
77	30	15	656000	3840.0	CP-OFDM 256 QAM	38@0	13.537	14.8
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	17.817	19.3
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	17.845	18.84
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.22	19.73
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.206	19.48
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.216	19.55
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.214	19.46
77	30	25	656000	3840.0	DFT-s-OFDM PI/2 BPSK	64@0	22.843	24.24
77	30	25	656000	3840.0	DFT-s-OFDM QPSK	64@0	22.811	24.16
77	30	25	656000	3840.0	CP-OFDM QPSK	65@0	23.153	24.72
77	30	25	656000	3840.0	CP-OFDM 16 QAM	65@0	23.179	24.62
77	30	25	656000	3840.0	CP-OFDM 64 QAM	65@0	23.174	24.49
77	30	25	656000	3840.0	CP-OFDM 256 QAM	65@0	23.209	24.69
77	30	30	656000	3840.0	DFT-s-OFDM PI/2 BPSK	75@0	26.775	28.29

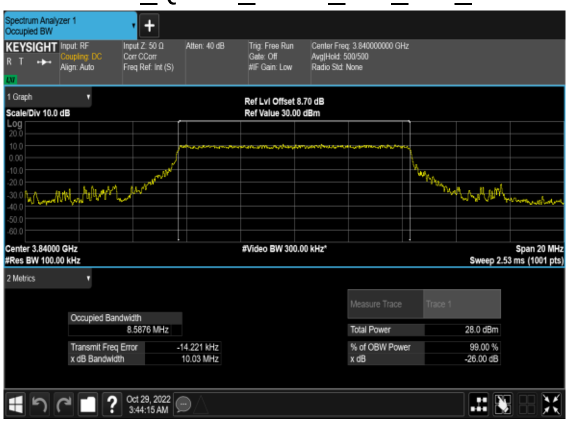
77	30	30	656000	3840.0	DFT-s-OFDM QPSK	75@0	26.852	28.34
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.831	29.41
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.801	29.68
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.823	29.65
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.828	29.15
77	30	40	656000	3840.0	DFT-s-OFDM PI/2 BPSK	100@0	35.861	37.42
77	30	40	656000	3840.0	DFT-s-OFDM QPSK	100@0	35.776	37.67
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.816	40.03
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.836	39.68
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.867	39.53
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.898	39.67
77	30	50	656000	3840.0	DFT-s-OFDM PI/2 BPSK	128@0	45.78	47.59
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	128@0	45.71	47.66
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.491	49.44
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.543	49.19
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.487	49.46
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.544	49.45
77	30	60	656000	3840.0	DFT-s-OFDM PI/2 BPSK	162@0	58.081	59.86
77	30	60	656000	3840.0	DFT-s-OFDM QPSK	162@0	57.892	60.03
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.791	60.15
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.8	59.84
77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.936	60.03
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.819	60.04
77	30	70	656000	3840.0	DFT-s-OFDM PI/2 BPSK	180@0	64.478	66.66
77	30	70	656000	3840.0	DFT-s-OFDM QPSK	180@0	64.254	66.71
77	30	70	656000	3840.0	CP-OFDM QPSK	189@0	67.616	69.95
77	30	70	656000	3840.0	CP-OFDM 16 QAM	189@0	67.508	70.06

77	30	70	656000	3840.0	CP-OFDM 64 QAM	189@0	67.603	69.96
77	30	70	656000	3840.0	CP-OFDM 256 QAM	189@0	67.524	69.72
77	30	80	656000	3840.0	DFT-s-OFDM PI/2 BPSK	216@0	77.271	79.88
77	30	80	656000	3840.0	DFT-s-OFDM QPSK	216@0	77.147	79.76
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.557	80.18
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.685	80.04
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.615	80.38
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.502	80.22
77	30	90	656000	3840.0	DFT-s-OFDM PI/2 BPSK	240@0	85.801	88.77
77	30	90	656000	3840.0	DFT-s-OFDM QPSK	240@0	85.848	88.49
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.697	90.44
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.532	90.53
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.535	90.4
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.776	90.39
77	30	100	656000	3840.0	DFT-s-OFDM PI/2 BPSK	270@0	96.652	99.82
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	270@0	96.516	99.74
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.475	100.9
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.6	100.5
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.529	100.6
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.821	100.6

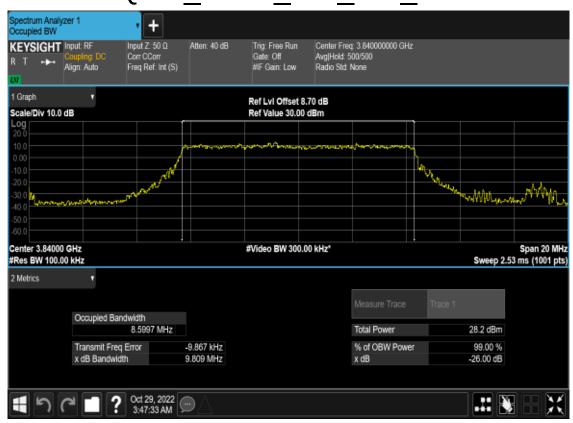
N77(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

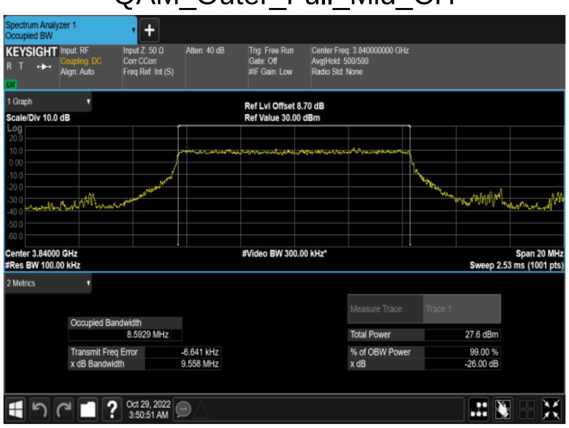
N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

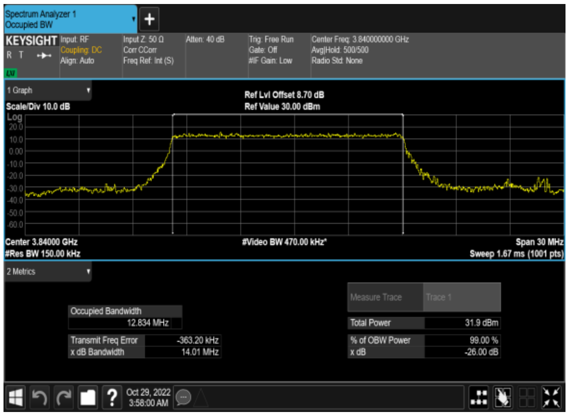


N77(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

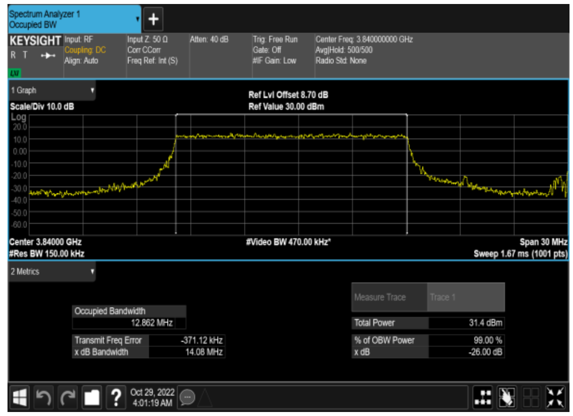


N77(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

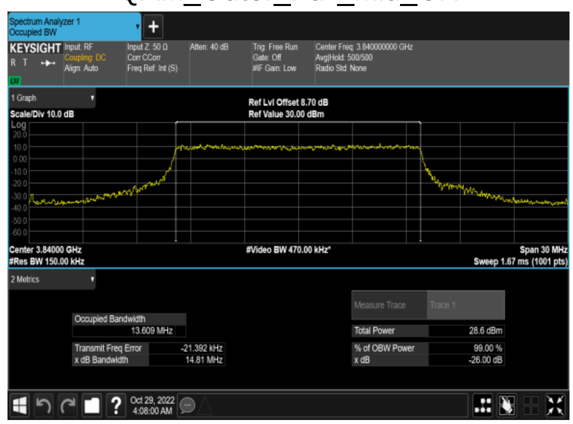


N77(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

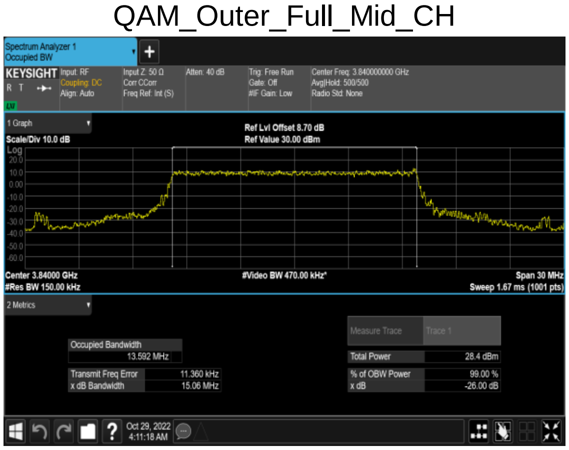


N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

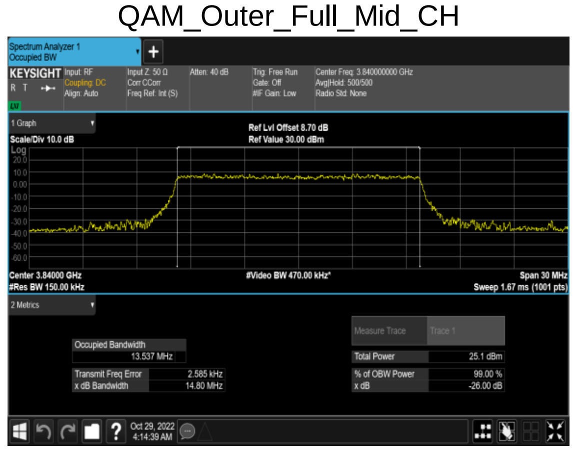
N77(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

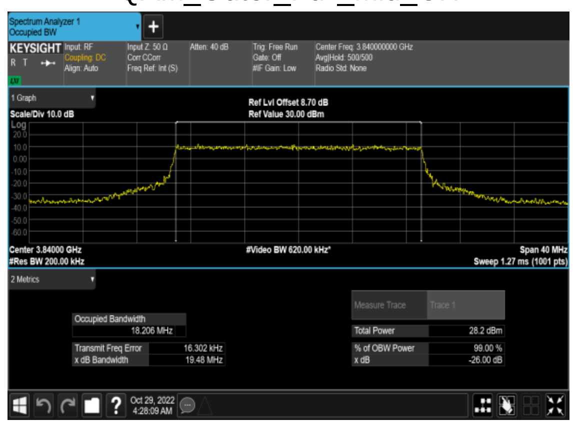


N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

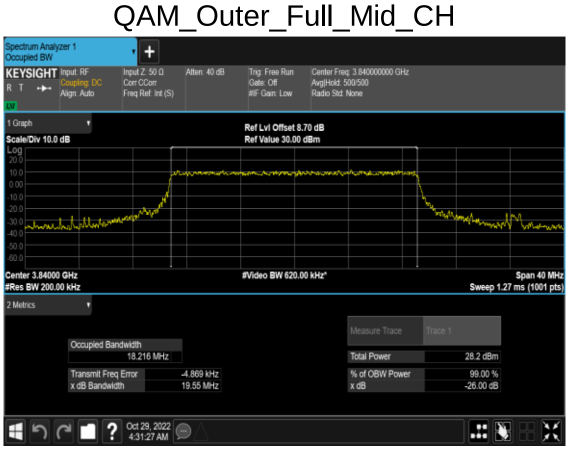
N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

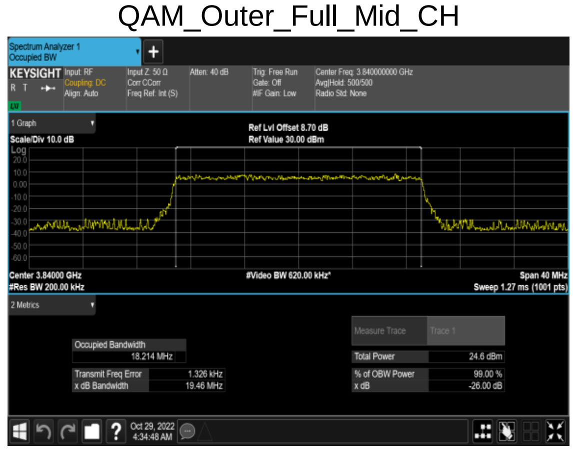
N77(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



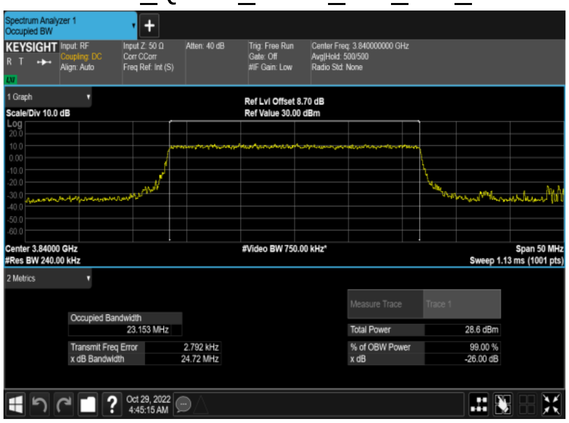
N77(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



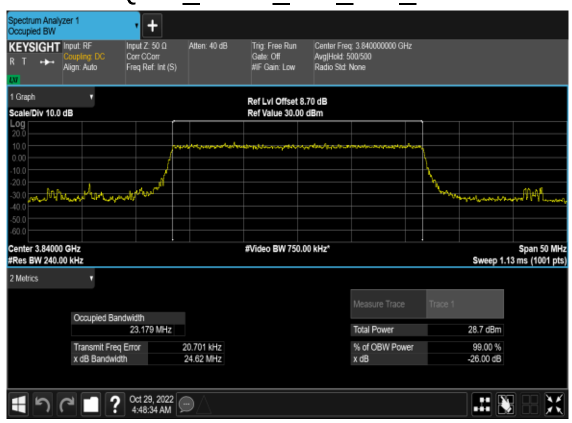
N77(25M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

N77(25M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

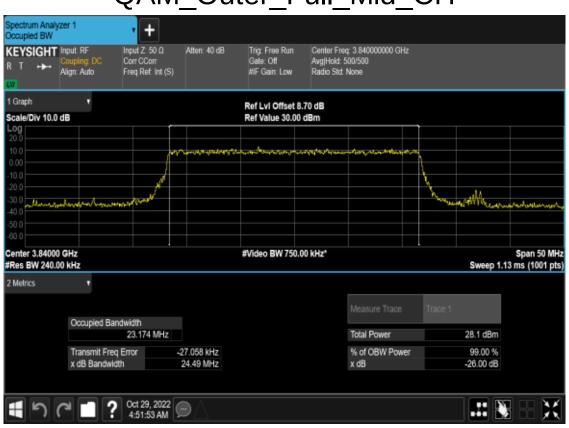
N77(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N77(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

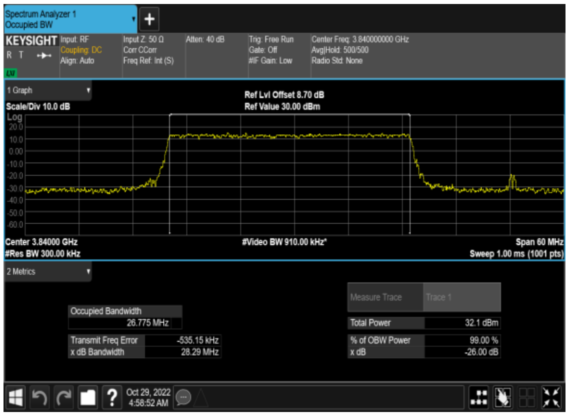


N77(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



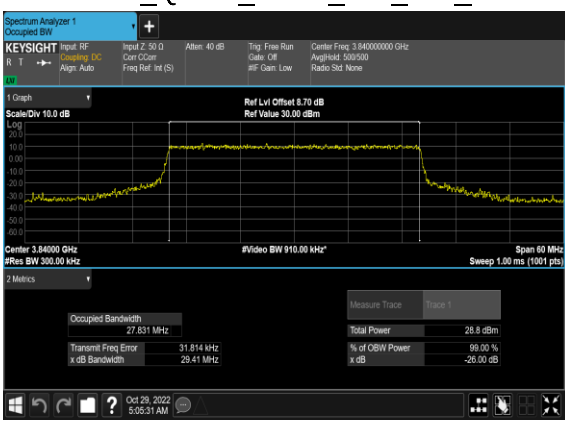
N77(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

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

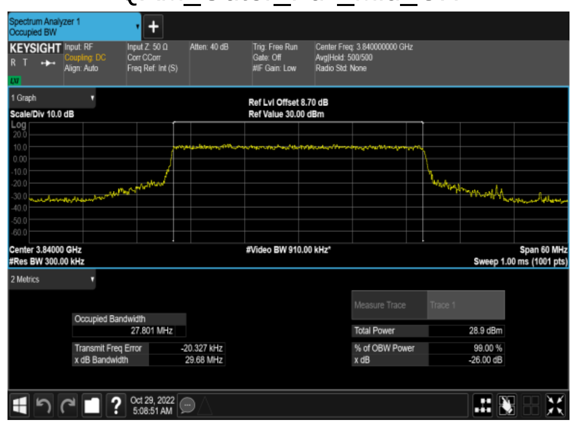


N77(30M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

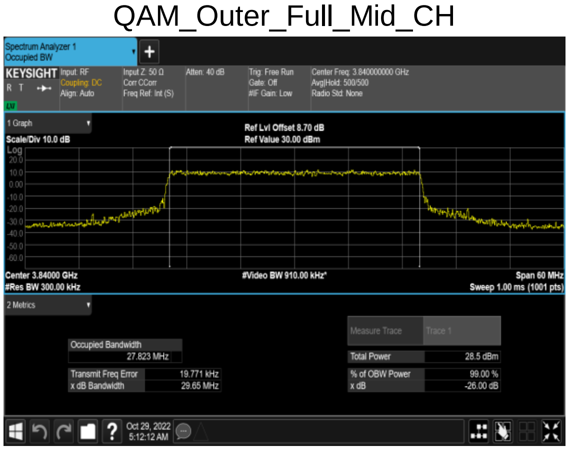
N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



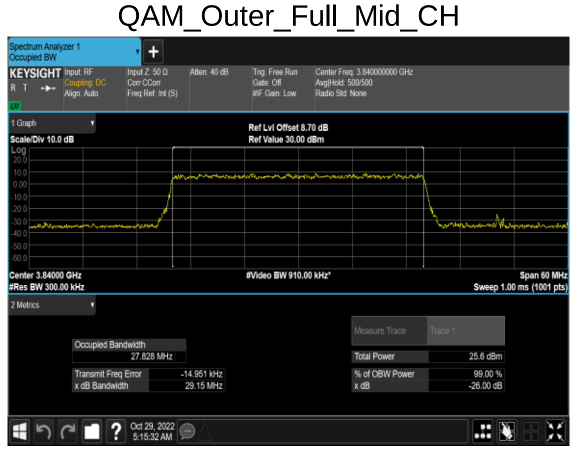
N77(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



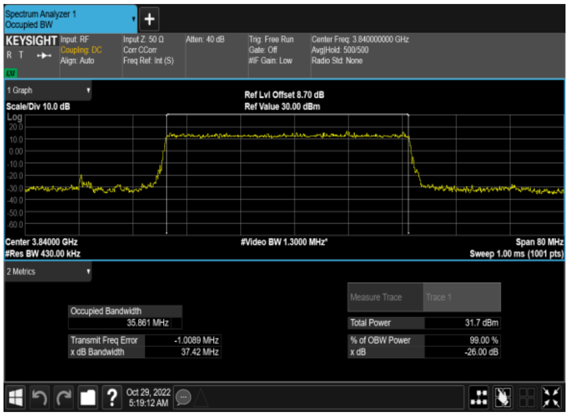
N77(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



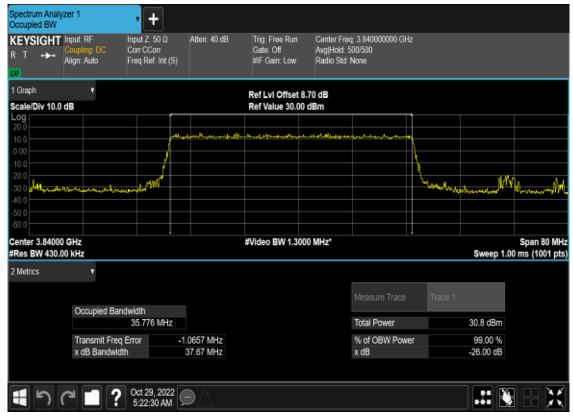
N77(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



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



N77(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



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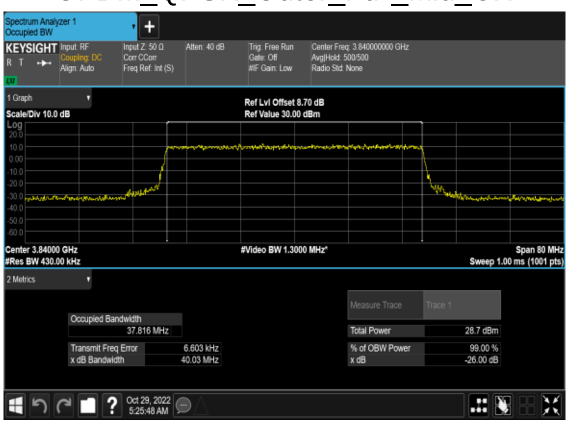
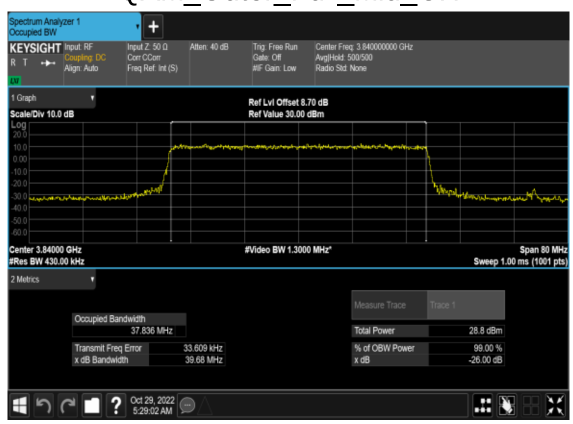
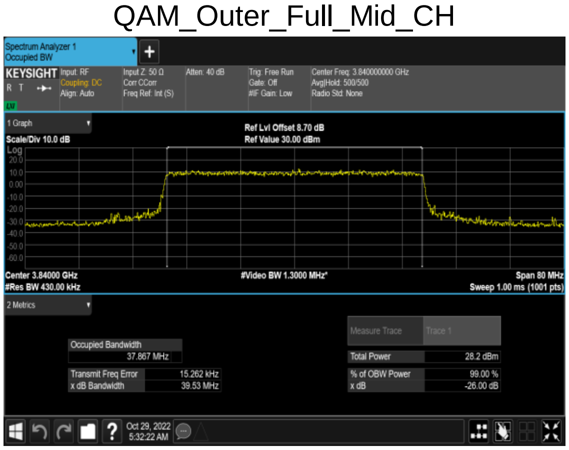


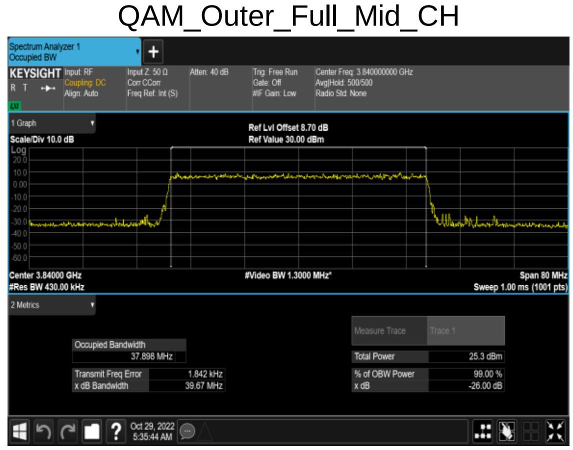
N77(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



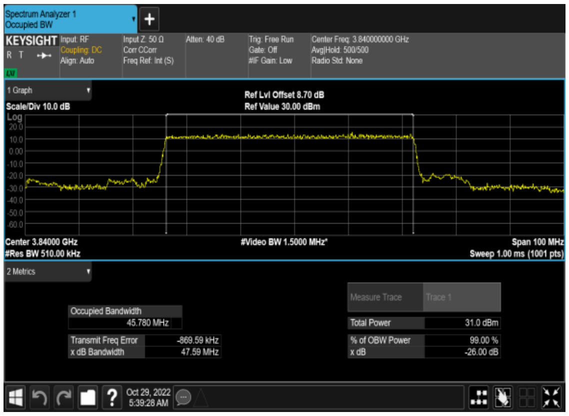
N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



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



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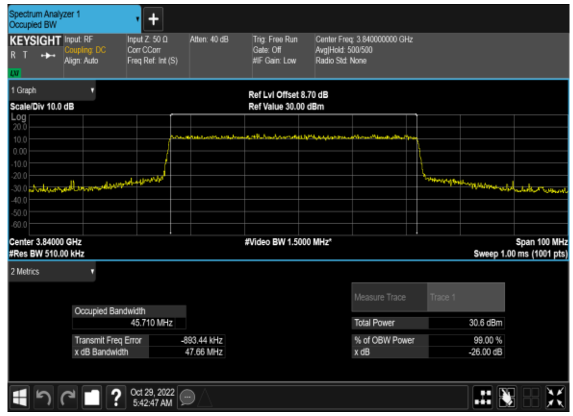

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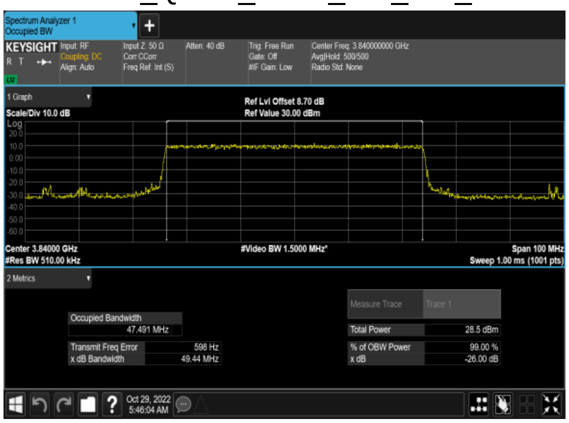
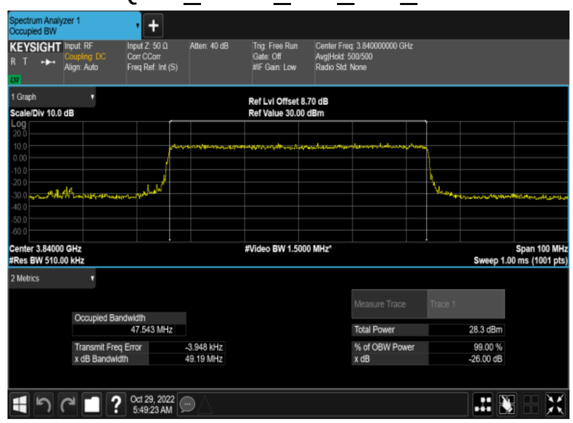
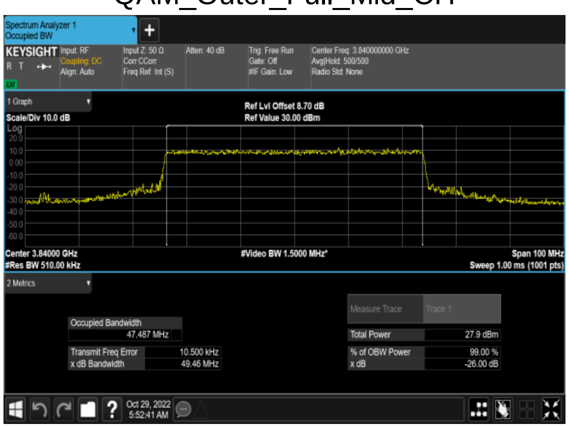


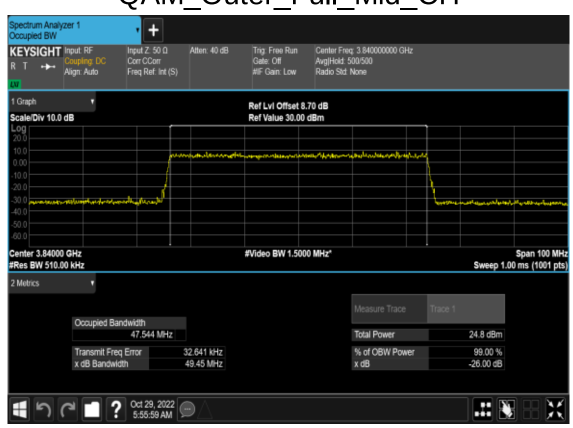
N77(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



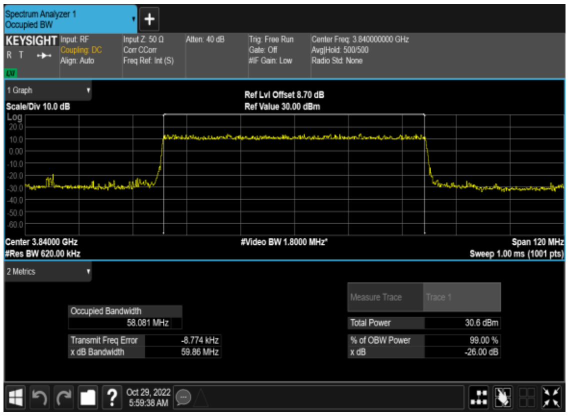
N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

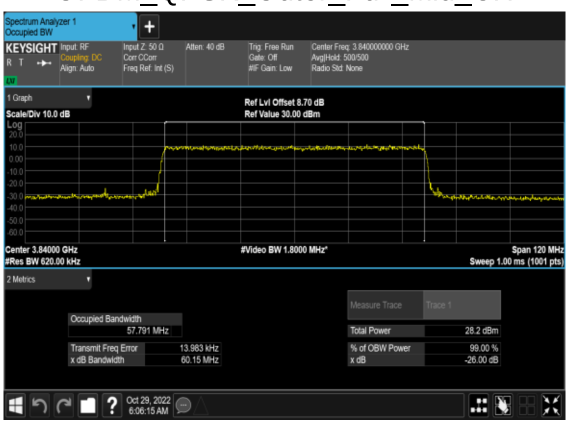


N77(60M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

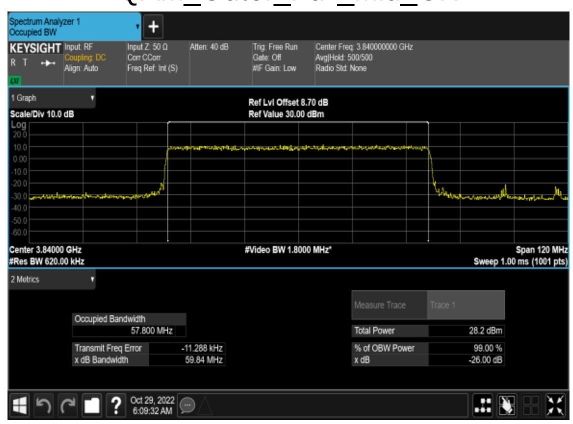


N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

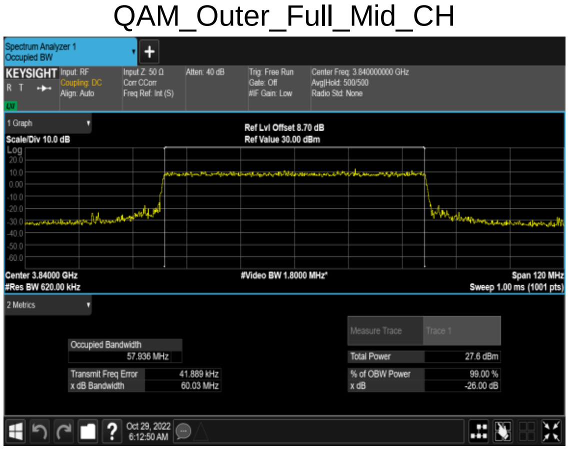
N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



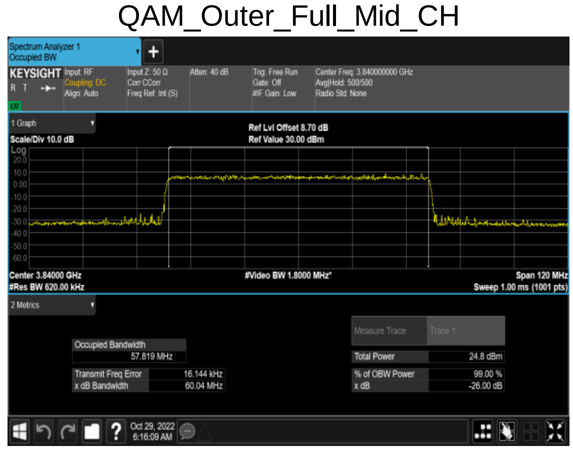
N77(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



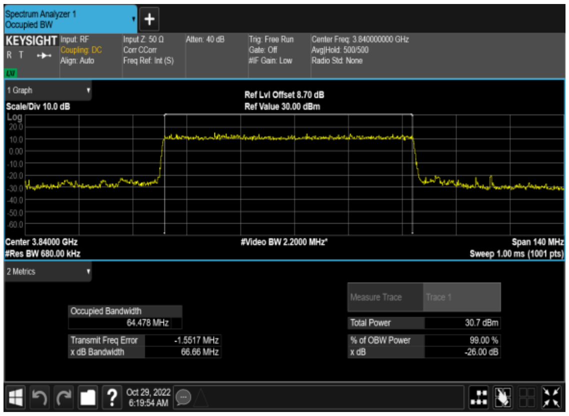
N77(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



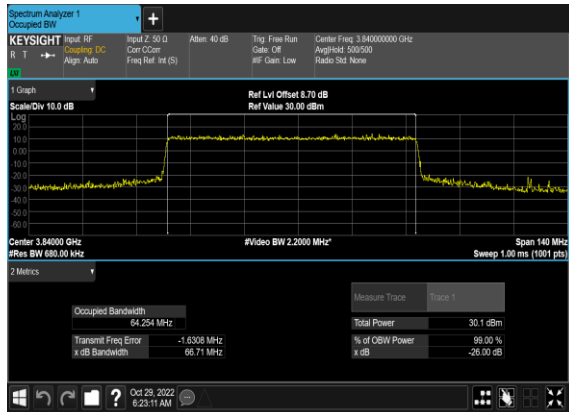
N77(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



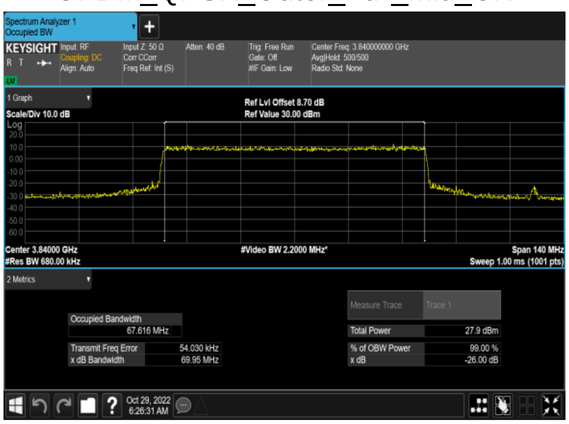
N77(70M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



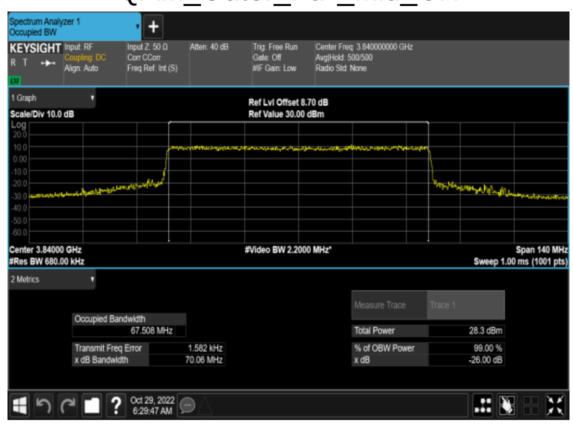
N77(70M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



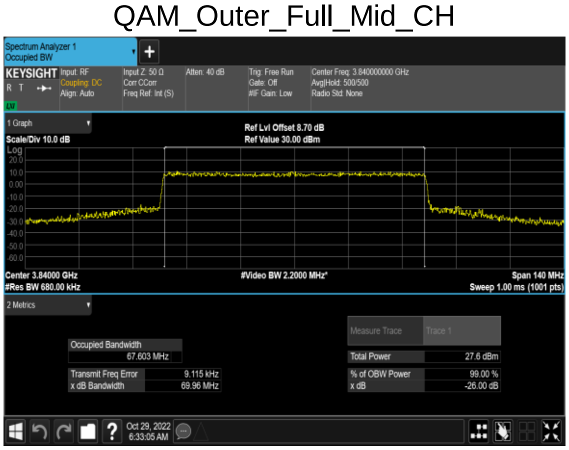
N77(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



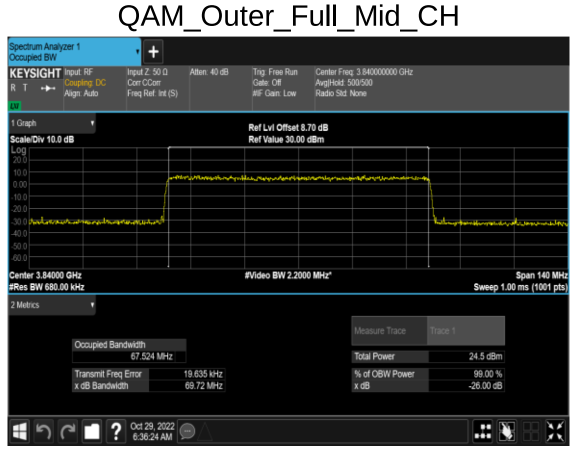
N77(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



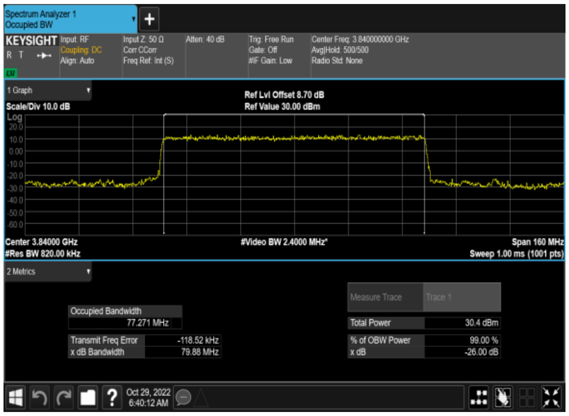
N77(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



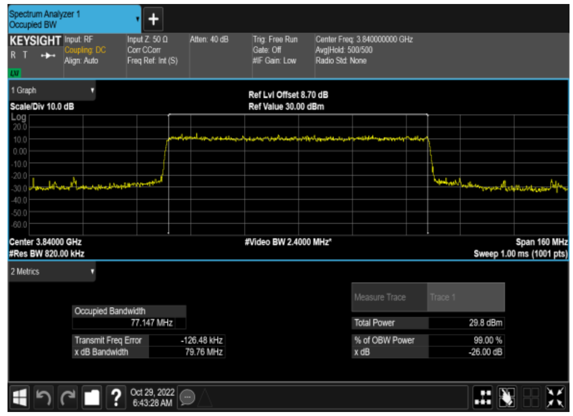
N77(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



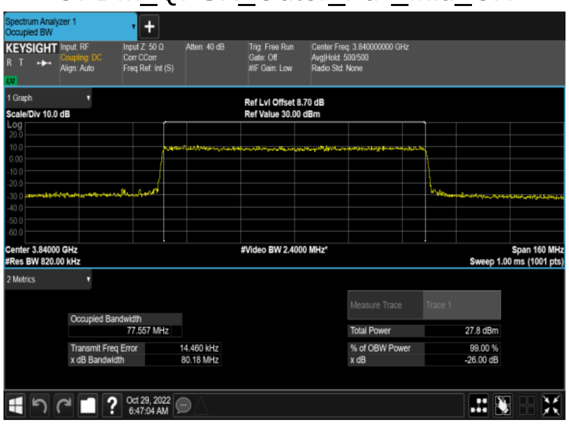
N77(80M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N77(80M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



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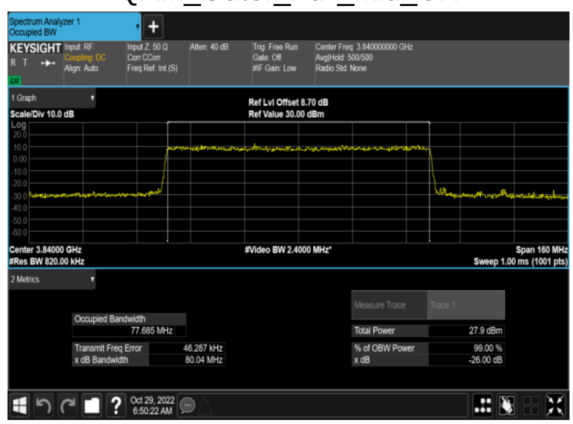
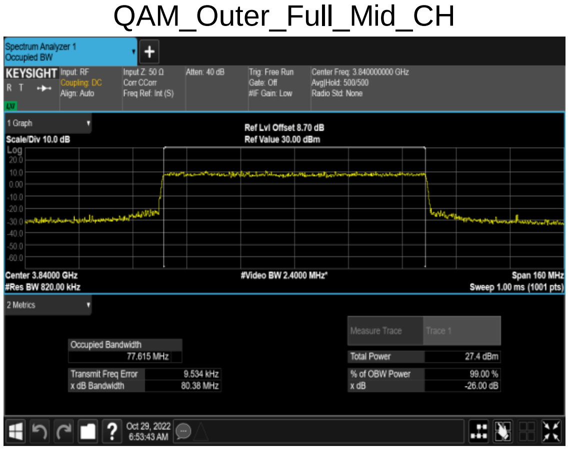
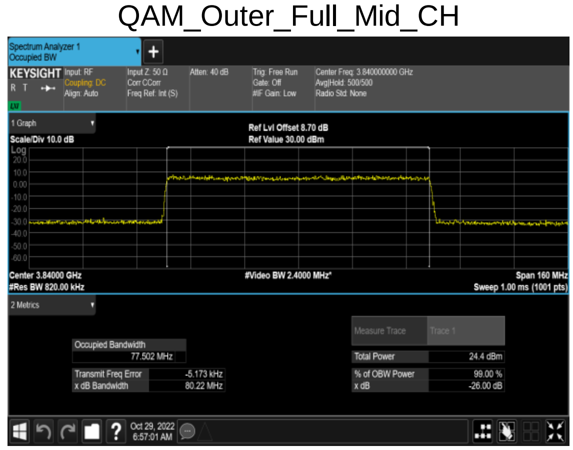


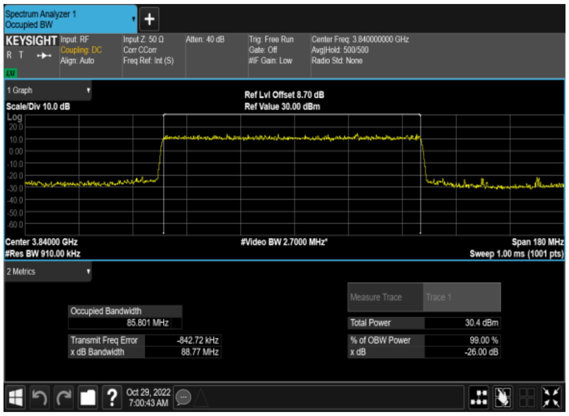
N77(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



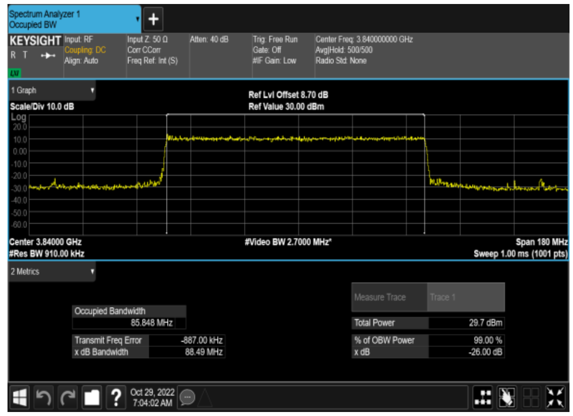
N77(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



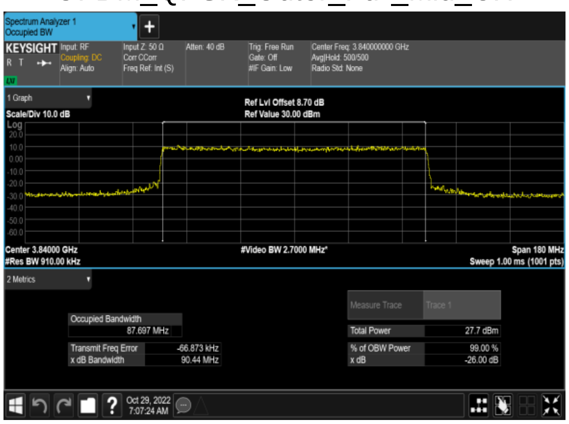
N77(90M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



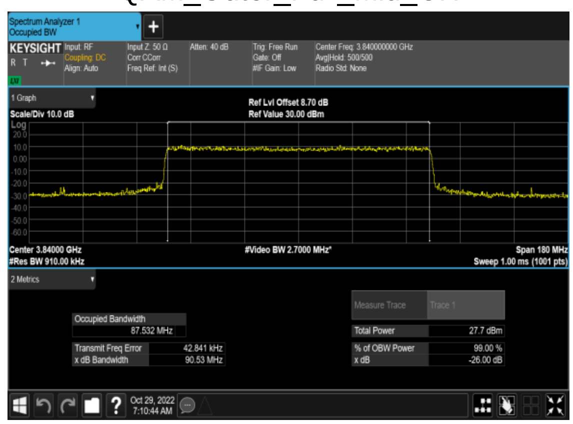
N77(90M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



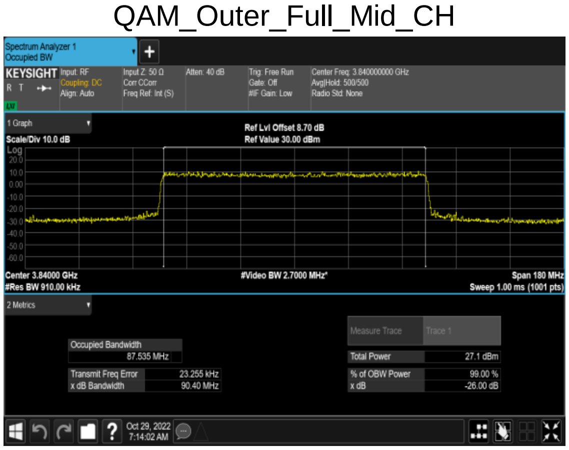
N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



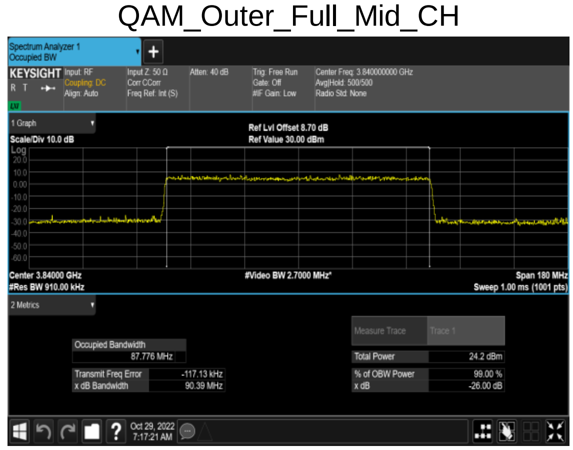
N77(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

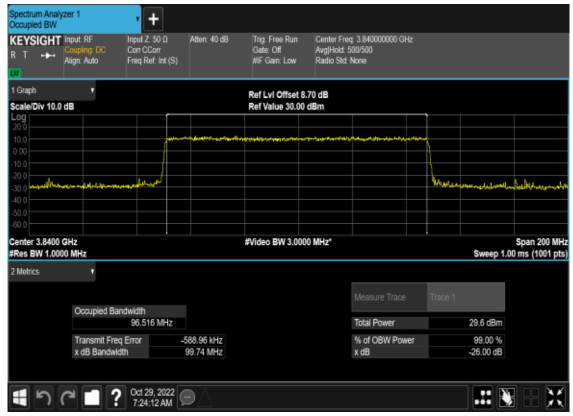


N77(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

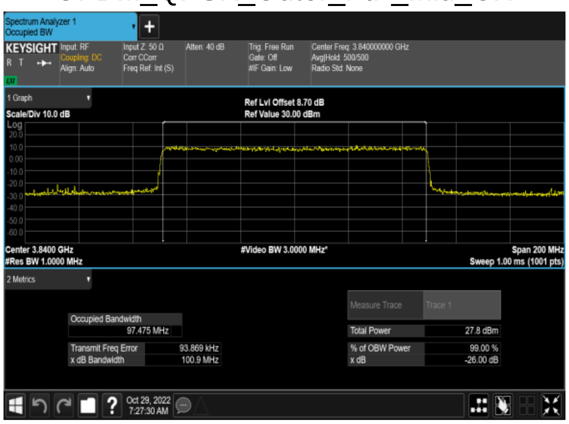


N77(100M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

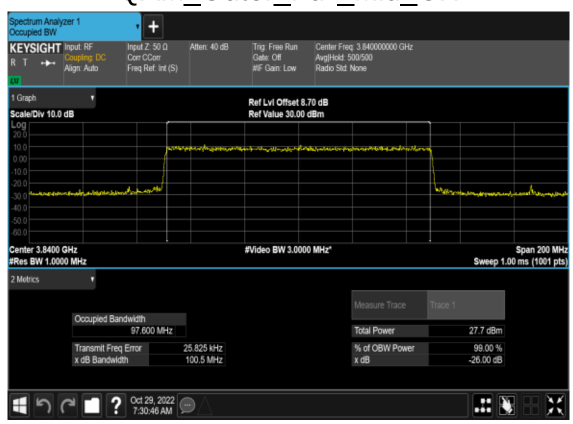
N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



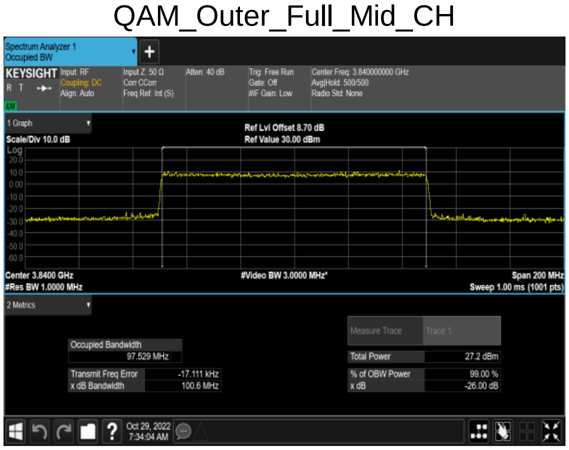
N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



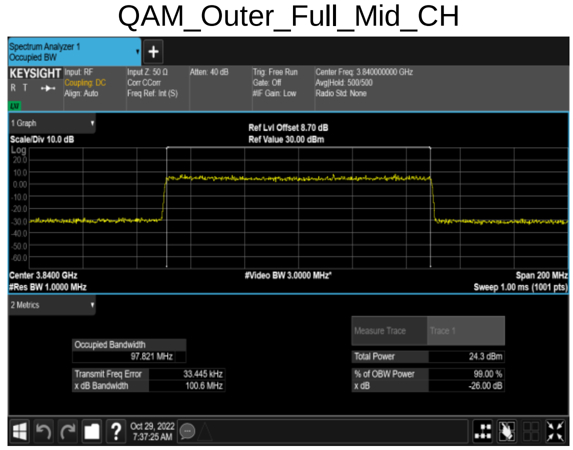
N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



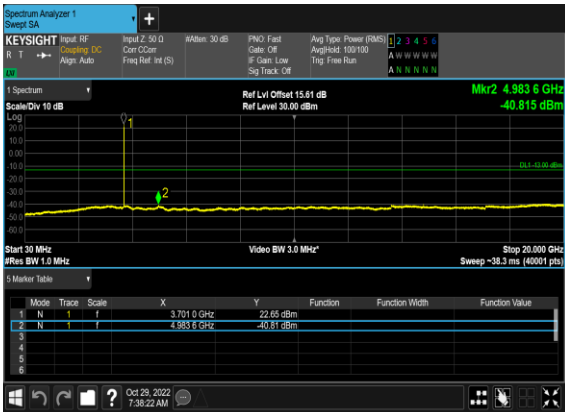
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	**---**

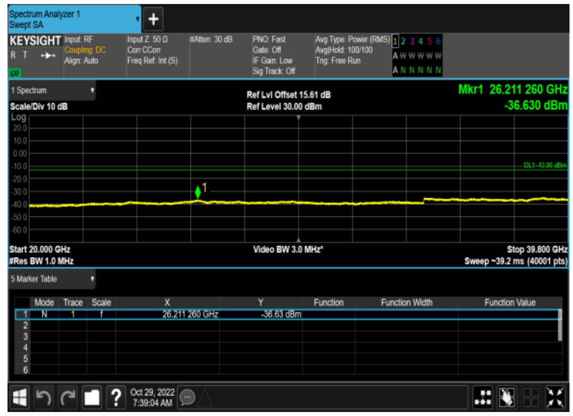
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**---**

77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

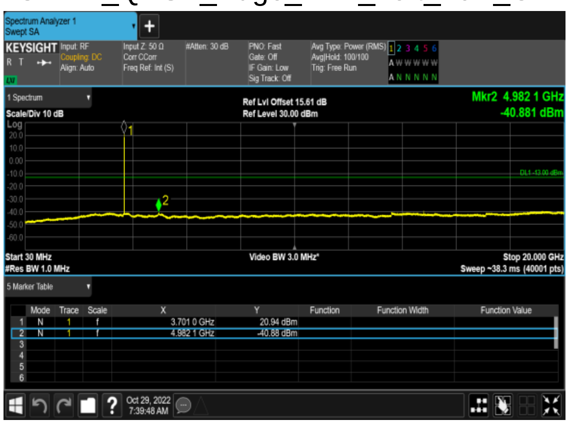
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



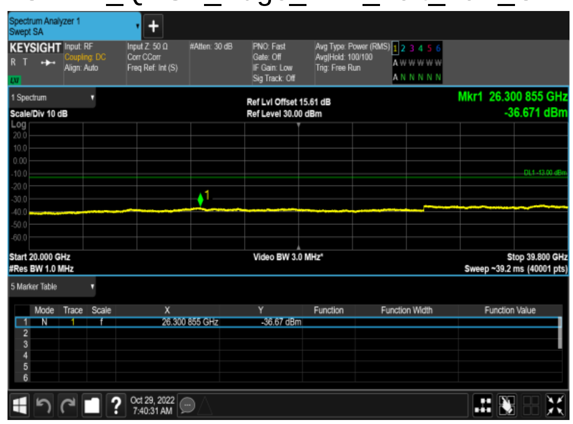
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



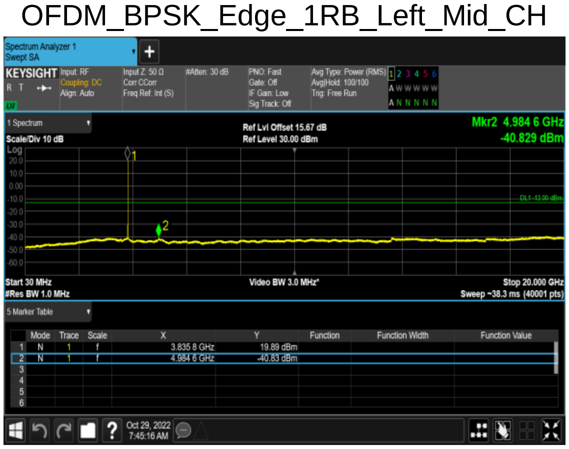
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH