



# TEST REPORT

**APPLICANT** : Nubia Technology Co., Ltd.  
**PRODUCT NAME** : 5G Mobile Phone  
**MODEL NAME** : NX709S  
**BRAND NAME** : REDMAGIC  
**FCC ID** : 2AHJO-NX709S  
**STANDARD(S)** : 47 CFR Part 2  
: 47 CFR Part 27, Subpart M&O&Q  
**RECEIPT DATE** : 2022-05-19  
**TEST DATE** : 2022-05-23 to 2022-06-15  
**ISSUE DATE** : 2022-07-06

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Change History		
Version	Date	Reason for change
1.0	2022-07-06	First edition



# 1. Technical Information

Note: Provide by applicant.

## 1.1. Applicant and Manufacturer Information

<b>Applicant:</b>	Nubia Technology Co., Ltd.
<b>Applicant Address:</b>	Room 1801, Building 2, Chongwen Park, Nanshan Zhiyuan, No.3370, Liuxian Rd, Nanshan District, Shenzhen City, Guangdong Province, P. R. China
<b>Manufacturer:</b>	Nubia Technology Co., Ltd.
<b>Manufacturer Address:</b>	Room 1801, Building 2, Chongwen Park, Nanshan Zhiyuan, No.3370, Liuxian Rd, Nanshan District, Shenzhen City, Guangdong Province, P. R. China

## 1.2. Equipment Under Test (EUT) Description

<b>Product Name:</b>	5G Mobile Phone	
<b>Hardware Version:</b>	NX709J_V1AMB	
<b>Software Version:</b>	NX709S_UNCommon_V3.02	
<b>IMEI:</b>	866255060010660 866255060011486	
<b>Modulation Type:</b>	DFT-s-OFDM	PI/2 BPSK, QPSK, 16QAM,64QAM,256QAM
	CP-OFDM	QPSK, 16QAM,64QAM,256QAM
<b>SA Band:</b>	TDD Band: n41, n77	
<b>EN-DC Band:</b>	DC_2A_n41 , DC_66A_n41, DC_2C_N41(Only support DL)	
<b>Frequency Range:</b>	n41	Tx: 2496MHz-2690MHz
		Rx: 2496MHz-2690MHz
	n77	Tx: 3700MHz-3980MHz
		Rx: 3700MHz-3980MHz
	n77	Tx: 3450MHz-3550MHz
		Rx: 3450MHz-3550MHz
<b>Channel Bandwidth</b>	n41	20MHz, 30MHz, 40MHz, 50MHz, 60MHz,80MHz,90MHz,100MHz
	n77	20MHz, 30MHz, 40MHz, 60MHz, 80MHz, 100MHz
<b>Antenna Type:</b>	Fixed Internal Antenna	
<b>Antenna Gain:</b>	n41	-1.50dBi
	n77	-1.79dBi



<b>Accessory Information:</b>	<b>AC Adapter</b>	
	Brand Name:	nubia
	Model No.:	STC-A59152050AC-Z
	Serial No.:	(N/A, marked 5#, 6# by test site)
	Rated Input:	100-240V~1.5A, 50/60Hz
	Rated Output:	5.0V/3.0A, 9.0V/3.0A, 15.0V/3.0A, 20.0V/3.25A PPS: 5.0-11.0V/5.0A, 5.0-20.0V/3.25A;
	Manufacturer	ShenZhen KunXing Technology Co., Ltd.
	<b>Battery</b>	
	Brand Name:	nubia
	Model No.:	Li3923T89P8h636590
	Serial No.:	(N/A, marked 5#, 6# by test site)
	Capacity:	2380mAh
	Rated Voltage:	7.78V
	Charge Limit:	8.96V
Manufacturer:	Dongguan Amperex Technology Limited	

**Note 1:** For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.



### 1.3. Maximum ERP/EIRP and Emission Designator

n41	Maximum ERP/EIRP (W)					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.177	0.183	0.144	0.099	0.051	0.161
90	0.164	/	/	/	/	/
80	0.180	/	/	/	/	/
60	0.182	/	/	/	/	/
50	0.178	/	/	/	/	/
40	0.179	/	/	/	/	/
30	0.181	/	/	/	/	/
20	0.180	/	/	/	/	/

n77 (3700 MHz ~ 3980 MHz)	Maximum ERP/EIRP (W)					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.123	0.138	0.093	0.064	0.041	0.084
80	0.120	/	/	/	/	/
60	0.121	/	/	/	/	/
40	0.136	/	/	/	/	/
30	0.136	/	/	/	/	/
20	0.132	/	/	/	/	/



n77 (3450 MHz ~ 3550 MHz)	Maximum ERP/EIRP (W)					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.116	0.123	0.025	0.042	0.026	0.081
80	0.115	/	/	/	/	/
60	0.121	/	/	/	/	/
40	0.121	/	/	/	/	/
30	0.122	/	/	/	/	/
20	0.118	/	/	/	/	/

DC_2A_n41	Maximum ERP/EIRP (W)					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.147	0.151	0.139	0.093	0.051	0.148
90	0.103	/	/	/	/	/
80	0.143	/	/	/	/	/
60	0.128	/	/	/	/	/
50	0.140	/	/	/	/	/
40	0.109	/	/	/	/	/
30	0.145	/	/	/	/	/
20	0.114	/	/	/	/	/

DC_66A_n41	Maximum ERP/EIRP (W)					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	0.146	0.155	0.136	0.095	0.051	0.146
90	0.143	/	/	/	/	/
80	0.142	/	/	/	/	/
60	0.134	/	/	/	/	/
50	0.145	/	/	/	/	/
40	0.148	/	/	/	/	/
30	0.152	/	/	/	/	/
20	0.148	/	/	/	/	/



n41	Emission Designator (99%OBW)					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	97M5G7D	97M7G7D	97M6W7D	97M5D7W	97M4D7W	97M6G7D
90	86M7G7D	86M8G7D	86M5W7D	86M7D7W	86M6D7W	87M7G7D
80	78M0G7D	78M0G7D	77M9W7D	78M0D7W	78M0D7W	78M0G7D
60	58M5G7D	58M6G7D	58M4W7D	58M4D7W	58M5D7W	58M3G7D
50	46M2G7D	46M2G7D	46M1W7D	46M2D7W	46M1D7W	46M1G7D
40	36M5G7D	36M0G7D	36M1W7D	36M1D7W	36M1D7W	36M0G7D
30	27M0G7D	27M0G7D	27M0W7D	27M0D7W	27M0D7W	27M1G7D
20	18M2G7D	18M0G7D	18M1W7D	18M0D7W	18M0D7W	18M0G7D

n77 (3700 MHz ~ 3980 MHz)	Emission Designator (99%OBW)					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	97M6G7D	97M5G7D	97M4W7D	97M3D7W	97M0D7W	97M1G7D
80	78M0G7D	77M9G7D	78M1W7D	77M9D7W	77M9D7W	77M8G7D
60	58M4G7D	58M5G7D	58M5W7D	58M4D7W	58M3D7W	58M4G7D
40	36M2G7D	36M1G7D	36M1W7D	36M1D7W	36M0D7W	36M1G7D
30	27M0G7D	27M0G7D	27M0W7D	27M0D7W	27M0D7W	27M1G7D
20	18M0G7D	18M0G7D	17M9W7D	18M0D7W	18M0D7W	18M0G7D

n77 (3450 MHz ~ 3550 MHz)	Emission Designator (99%OBW)					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
100	97M3G7D	97M3G7D	97M4W7D	97M4D7W	97M1D7W	97M4G7D
80	78M0G7D	78M1G7D	78M1W7D	77M9D7W	78M0D7W	77M9G7D
60	58M4G7D	58M5G7D	58M5W7D	58M4D7W	58M4D7W	58M4G7D
40	36M2G7D	36M1G7D	36M2W7D	36M1D7W	36M1D7W	36M1G7D
30	27M0G7D	27M0G7D	27M1W7D	27M0D7W	27M0D7W	27M0G7D
20	18M0G7D	18M0G7D	18M1W7D	18M0D7W	18M0D7W	18M0G7D



## 1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part27 for the EUT FCC ID Certification:

No	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 27	Miscellaneous Wireless Communications Services





Test detailed items/section required by FCC rules and results are as below:

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 27.50(h)(2) 27.50(j)(3) 27.50(k)(3)	Transmitter Conducted Output Power and ERP/EIRP	May. 23 2022	Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Jun.07, 2022	Li Huaijie	PASS	No deviation
2.1055	Frequency Stability	Jun.07, 2022	Li Huaijie	PASS	No deviation
27.50(j)(4) 27.50(k)(4)	Peak to Average Radio	Jun.10, 2022	Li Huaijie	PASS	No deviation
2.1051 27.53(m)(4) 27.53(l)(2) 27.50(n)(2)	Conducted Spurious Emissions	Jun.07, 2022	Li Huaijie	PASS	No deviation
2.1051 27.53(m)(4) 27.53(l)(2) 27.50(n)(2)	Band Edge	Jun.08, 2022	Li Huaijie	PASS	No deviation
2.1051 27.53(m)(4) 27.53(l)(2) 27.50(n)(2)	Radiated Spurious Emissions	Jun.07, 2022	Gao jianrou	PASS	No deviation

**Note 1:** The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 and ANSI/TIA-603-E-2016.

**Note 2:** The path loss during the RF test is calibrated to correct the results by the offset setting in the test equipments. The ref offset 5.5dB contains two parts that cable loss 5.5dB.

**Note 3:** When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.



## 1.5. Environmental Conditions

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15 - 35
Relative Humidity (%):	30 -60
Atmospheric Pressure (kPa):	86-106

## 2.47 CFR Part 2, Part 27M&O&Q Requirements

### 2.1. Transmitter Conducted Output Power And ERP/EIRP

#### 2.1.1. Requirement

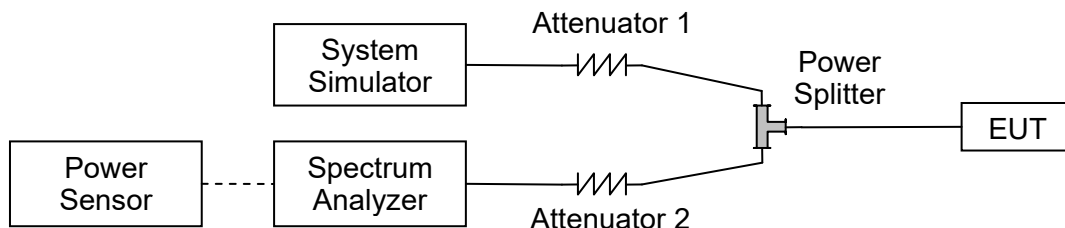
According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

According to FCC section 27.50(h)(2) for n41, Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

According to FCC section 27.50(j)(3) for n77, Mobile and portable stations are limited to 1 Watt EIRP. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

According to FCC section 27.50(k)(3) for n77, 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.

#### 2.1.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

#### 2.1.3. Test procedure

KDB 971168 D01v03 Section 5.2 and ANSI/TIA-603-E-2016.

$EIRP \text{ (dBm)} = \text{Conducted Output Power (dBm)} + \text{Antenna Gain (dBi)}$



ERP (dBm) = EIPR (dBm) - 2.15

**2.1.4. Conducted Output Power:**

**n41**

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				509202	518598	528000
Frequency (MHz)				2546	2593	2640
100	DFT-s-OFDM PI/2 BPSK	1	1	23.96	23.41	23.54
100		1	136	23.09	23.50	23.23
100		1	272	23.12	23.21	23.29
100		135	1	23.44	23.76	23.77
100		135	67	23.47	23.98	23.85
100		135	136	23.45	23.41	23.89
100		270	0	23.43	23.44	23.90
100	DFT-s-OFDM QPSK	1	1	23.15	24.12	23.52
100		1	136	23.21	23.51	23.49
100		1	272	23.22	23.54	23.24
100		135	1	23.82	23.82	23.77
100		135	67	23.41	23.11	23.05
100		135	136	23.44	22.99	22.89
100		270	0	23.49	22.78	22.89
100	DFT-s-OFDM 16QAM	1	1	22.90	23.08	23.09
100	DFT-s-OFDM 64QAM	1	1	21.13	21.43	21.47
100	DFT-s-OFDM 256QAM	1	1	18.32	18.52	18.60
Channel				508200	518598	528996
Frequency (MHz)				2541	2593	2645
90	DFT-s-OFDM PI/2 BPSK	1	1	23.21	23.64	23.41
Channel				507204	518598	529998
Frequency (MHz)				2536	2593	2650
80	DFT-s-OFDM PI/2 BPSK	1	1	23.96	23.98	24.05



Channel				505200	518598	518598
Frequency (MHz)				2526	2593	2660
60	DFT-s-OFDM PI/2 BPSK	1	1	23.87	24.11	24.08
Channel				504204	518598	532998
Frequency (MHz)				2521	2593	2665
50	DFT-s-OFDM PI/2 BPSK	1	1	24.00	23.63	23.99
Channel				503202	518598	534000
Frequency (MHz)				2516	2593	2670
40	DFT-s-OFDM PI/2 BPSK	1	1	23.95	24.02	24.02
Channel				502200	518598	534996
Frequency (MHz)				2511	2593	2675
30	DFT-s-OFDM PI/2 BPSK	1	1	23.85	24.03	24.08
Channel				501204	518598	535998
Frequency (MHz)				2506	2593	2680
20	DFT-s-OFDM PI/2 BPSK	1	1	24.06	24.00	24.06
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				509202	518598	528000
Frequency (MHz)				2546	2593	2640
100	CP-OFDM QPSK	1	1	23.38	23.44	23.56
100	CP-OFDM 16QAM	1	1	22.93	23.11	23.05
100	CP-OFDM 64QAM	1	1	21.31	21.45	21.53
100	CP-OFDM 256QAM	1	1	18.35	18.53	18.52



**n77(3700 MHz ~ 3980 MHz)**

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	22.57	22.44	22.34
100		1	136	22.70	22.44	22.46
100		1	272	22.70	22.45	22.63
100		135	1	22.02	21.97	22.02
100		135	67	22.62	22.43	22.55
100		135	136	22.10	21.93	22.02
100		270	0	22.02	21.91	22.13
100	DFT-s-OFDM QPSK	1	1	22.41	23.20	22.39
100		1	136	22.47	22.47	22.52
100		1	272	22.46	22.46	22.66
100		135	1	21.51	21.44	21.49
100		135	67	22.09	22.05	22.02
100		135	136	21.50	21.44	21.54
100		270	0	21.54	21.38	21.52
100	DFT-s-OFDM 16QAM	1	1	21.47	21.34	21.32
100	DFT-s-OFDM 64QAM	1	1	19.84	19.69	19.53
100	DFT-s-OFDM 256QAM	1	1	17.92	17.93	17.79
Channel				649334	656000	662666
Frequency (MHz)				3740	3840	3940
80	DFT-s-OFDM PI/2 BPSK	1	1	22.58	22.45	22.49
Channel				648668	656000	663332
Frequency (MHz)				3730	3840	3950
60	DFT-s-OFDM PI/2 BPSK	1	1	22.62	22.47	22.56
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM PI/2 BPSK	1	1	23.00	23.11	23.02



Channel				647668	656000	664332
Frequency (MHz)				3715	3840	3965
30	DFT-s-OFDM PI/2 BPSK	1	1	22.87	22.72	23.12
Channel				647334	656000	664666
Frequency (MHz)				3710	3840	3970
20	DFT-s-OFDM PI/2 BPSK	1	1	22.99	22.72	23.01
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	CP-OFDM QPSK	1	1	21.05	21.03	21.00
100	CP-OFDM 16QAM	1	1	20.55	20.52	20.60
100	CP-OFDM 64QAM	1	1	18.85	18.99	18.93
100	CP-OFDM 256QAM	1	1	16.00	16.16	15.74



**n77 (3450 MHz ~ 3550 MHz)**

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				N/A	633334	N/A
Frequency (MHz)				N/A	3500.01	N/A
100	DFT-s-OFDM PI/2 BPSK	1	1	N/A	22.08	N/A
100		1	136	N/A	22.10	N/A
100		1	272	N/A	22.45	N/A
100		135	1	N/A	21.95	N/A
100		135	67	N/A	22.17	N/A
100		135	136	N/A	21.69	N/A
100		270	0	N/A	21.90	N/A
100	DFT-s-OFDM QPSK	1	1	N/A	22.70	N/A
100		1	136	N/A	22.12	N/A
100		1	272	N/A	22.44	N/A
100		135	1	N/A	21.18	N/A
100		135	67	N/A	22.37	N/A
100		135	136	N/A	21.15	N/A
100		270	0	N/A	21.16	N/A
100	DFT-s-OFDM 16QAM	1	1	N/A	15.77	N/A
100	DFT-s-OFDM 64QAM	1	1	N/A	18.05	N/A
100	DFT-s-OFDM 256QAM	1	1	N/A	15.86	N/A
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM PI/2 BPSK	1	1	22.32	22.25	22.40
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM PI/2 BPSK	1	1	22.62	22.55	22.43
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM PI/2 BPSK	1	1	22.50	22.62	22.45





Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM PI/2 BPSK	1	1	22.66	22.55	22.43
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM PI/2 BPSK	1	1	22.50	22.43	22.51
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				N/A	633334	N/A
Frequency (MHz)				N/A	3500.01	N/A
100	CP-OFDM QPSK	1	1	N/A	20.85	N/A
100	CP-OFDM 16QAM	1	1	N/A	20.35	N/A
100	CP-OFDM 64QAM	1	1	N/A	18.64	N/A
100	CP-OFDM 256QAM	1	1	N/A	15.77	N/A



DC\_2A\_n41

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				509202	518598	528000
Frequency (MHz)				2546	2593	2640
100	DFT-s-OFDM PI/2 BPSK	1	1	22.78	22.93	22.94
100		1	136	22.76	22.88	23.04
100		1	272	23.16	23.02	22.95
100		135	1	22.90	23.00	22.96
100		135	67	22.86	22.94	22.69
100		135	136	22.86	23.08	23.14
100		270	0	22.90	22.95	23.15
100	DFT-s-OFDM QPSK	1	1	22.65	23.29	23.01
100		1	136	22.83	22.96	22.96
100		1	272	23.16	23.08	23.10
100		135	1	22.89	22.99	23.12
100		135	67	22.84	23.05	23.13
100		135	136	22.85	23.02	23.09
100		270	0	22.90	22.99	23.11
100	DFT-s-OFDM 16QAM	1	1	22.90	22.63	22.94
100	DFT-s-OFDM 64QAM	1	1	21.07	21.20	21.15
100	DFT-s-OFDM 256QAM	1	1	18.27	18.50	18.57
Channel				508200	518598	528996
Frequency (MHz)				2541	2593	2645
90	DFT-s-OFDM PI/2 BPSK	1	1	21.28	21.46	21.63
Channel				507204	518598	529998
Frequency (MHz)				2536	2593	2650
80	DFT-s-OFDM PI/2 BPSK	1	1	22.64	22.87	23.04
Channel				505200	518598	518598
Frequency (MHz)				2526	2593	2660
60	DFT-s-OFDM PI/2 BPSK	1	1	22.47	22.45	22.57



Channel				504204	518598	532998
Frequency (MHz)				2521	2593	2665
50	DFT-s-OFDM PI/2 BPSK	1	1	22.96	22.60	22.86
Channel				503202	518598	534000
Frequency (MHz)				2516	2593	2670
40	DFT-s-OFDM PI/2 BPSK	1	1	21.22	21.87	21.65
Channel				502200	518598	534996
Frequency (MHz)				2511	2593	2675
30	DFT-s-OFDM PI/2 BPSK	1	1	22.83	23.11	22.67
Channel				501204	518598	535998
Frequency (MHz)				2506	2593	2680
20	DFT-s-OFDM PI/2 BPSK	1	1	22.06	21.78	21.92
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				509202	518598	528000
Frequency (MHz)				2546	2593	2640
100	CP-OFDM QPSK	1	1	22.74	23.19	23.18
100	CP-OFDM 16QAM	1	1	22.42	22.76	22.72
100	CP-OFDM 64QAM	1	1	20.96	21.11	21.03
100	CP-OFDM 256QAM	1	1	18.32	18.52	18.56



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BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				509202	518598	528000
Frequency (MHz)				2546	2593	2640
100	DFT-s-OFDM PI/2 BPSK	1	1	22.69	22.95	22.97
100		1	136	22.96	22.03	23.00
100		1	272	22.67	22.14	22.69
100		135	1	22.78	22.99	23.01
100		135	67	22.90	22.98	23.14
100		135	136	22.89	22.92	23.10
100		270	0	22.94	22.97	23.05
100	DFT-s-OFDM QPSK	1	1	22.64	23.40	22.90
100		1	136	22.85	22.94	22.97
100		1	272	22.66	23.15	23.05
100		135	1	22.74	22.96	22.96
100		135	67	22.89	23.02	23.16
100		135	136	22.77	22.96	23.02
100		270	0	22.94	23.01	23.14
100	DFT-s-OFDM 16QAM	1	1	22.63	22.54	22.82
100	DFT-s-OFDM 64QAM	1	1	21.24	21.02	21.29
100	DFT-s-OFDM 256QAM	1	1	18.54	18.27	18.52
Channel				508200	518598	528996
Frequency (MHz)				2541	2593	2645
90	DFT-s-OFDM PI/2 BPSK	1	1	23.06	22.93	23.01
Channel				507204	518598	529998
Frequency (MHz)				2536	2593	2650
80	DFT-s-OFDM PI/2 BPSK	1	1	22.68	22.96	23.02
Channel				505200	518598	518598
Frequency (MHz)				2526	2593	2660
60	DFT-s-OFDM PI/2 BPSK	1	1	22.78	22.20	22.32



Channel				504204	518598	532998
Frequency (MHz)				2521	2593	2665
50	DFT-s-OFDM PI/2 BPSK	1	1	22.98	23.07	23.10
Channel				503202	518598	534000
Frequency (MHz)				2516	2593	2670
40	DFT-s-OFDM PI/2 BPSK	1	1	23.04	23.19	23.14
Channel				502200	518598	534996
Frequency (MHz)				2511	2593	2675
30	DFT-s-OFDM PI/2 BPSK	1	1	23.12	23.32	23.22
Channel				501204	518598	535998
Frequency (MHz)				2506	2593	2680
20	DFT-s-OFDM PI/2 BPSK	1	1	22.94	23.21	23.17
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				509202	518598	528000
Frequency (MHz)				2546	2593	2640
100	CP-OFDM QPSK	1	1	23.06	23.01	23.14
100	CP-OFDM 16QAM	1	1	22.75	22.74	22.87
100	CP-OFDM 64QAM	1	1	21.28	21.36	21.17
100	CP-OFDM 256QAM	1	1	18.56	18.56	18.66



Effective Radiated Power and Effective Isotropic Radiated Power:

n41				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	LowCh./ Freq.	MiddleCh ./Freq.	HighCh. / Freq.	LowCh. / EIRP	MiddleCh. /EIRP	HighCh. / EIRP
Channel				509202	518598	528000	509202	518598	528000
Frequency (MHz)				2546	2593	2640	2546	2593	2640
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	22.46	21.91	22.04	0.176	0.155	0.160
100		1	136	21.59	22.00	21.73	0.144	0.158	0.149
100		1	272	21.62	21.71	21.79	0.145	0.148	0.151
100		135	1	21.94	22.26	22.27	0.156	0.168	0.169
100		135	67	21.97	22.48	22.35	0.157	0.177	0.172
100		135	136	21.95	21.91	22.39	0.157	0.155	0.173
100		270	0	21.93	21.94	22.40	0.156	0.156	0.174
100	DFT-s-OFDM QPSK	1	1	21.65	22.62	22.02	0.146	0.183	0.159
100		1	136	21.71	22.01	21.99	0.148	0.159	0.158
100		1	272	21.72	22.04	21.74	0.149	0.160	0.149
100		135	1	22.32	22.32	22.27	0.171	0.171	0.169
100		135	67	21.91	21.61	21.55	0.155	0.145	0.143
100		135	136	21.94	21.49	21.39	0.156	0.141	0.138
100		270	0	21.99	21.28	21.39	0.158	0.134	0.138
100	DFT-s-OFDM 16QAM	1	1	21.40	21.58	21.59	0.138	0.144	0.144
100	DFT-s-OFDM 64QAM	1	1	19.63	19.93	19.97	0.092	0.098	0.099
100	DFT-s-OFDM 256QAM	1	1	16.82	17.02	17.10	0.048	0.050	0.051
Channel				508200	518598	528996	508200	518598	528996
Frequency (MHz)				2541	2593	2645	2541	2593	2645
90	DFT-s-OFDM PI/2 BPSK	1	1	21.71	22.14	21.91	0.148	0.164	0.155
Channel				507204	518598	529998	507204	518598	529998
Frequency (MHz)				2536	2593	2650	2536	2593	2650
80	DFT-s-OFDM PI/2 BPSK	1	1	22.46	22.48	22.55	0.176	0.177	0.180
Channel				505200	518598	531996	505200	518598	531996
Frequency (MHz)				2526	2593	2660	2526	2593	2660
60	DFT-s-OFDM	1	1	22.37	22.61	22.58	0.173	0.182	0.181



	PI/2 BPSK								
Channel				504204	518598	532998	504204	518598	532998
Frequency (MHz)				2521	2593	2665	2521	2593	2665
50	DFT-s-OFDM PI/2 BPSK	1	1	22.50	22.13	22.49	0.178	0.163	0.177
Channel				503202	518598	534000	503202	518598	534000
Frequency (MHz)				2516	2593	2670	2516	2593	2670
40	DFT-s-OFDM PI/2 BPSK	1	1	22.45	22.52	22.52	0.176	0.179	0.179
Channel				502200	518598	534996	502200	518598	534996
Frequency (MHz)				2511	2593	2675	2511	2593	2675
30	DFT-s-OFDM PI/2 BPSK	1	1	22.35	22.53	22.58	0.172	0.179	0.181
Channel				501204	518598	535998	501204	518598	535998
Frequency (MHz)				2506	2593	2680	2506	2593	2680
20	DFT-s-OFDMPI/ 2 BPSK	1	1	22.56	22.50	22.56	0.180	0.178	0.180
Channel				509202	518598	528000	509202	518598	528000
Frequency (MHz)				2546	2593	2640	2546	2593	2640
100	CP-OFDM QPSK	1	1	21.88	21.94	22.06	0.154	0.156	0.161
100	CP-OFDM 16QAM	1	1	21.43	21.61	21.55	0.139	0.145	0.143
100	CP-OFDM 64QAM	1	1	19.81	19.95	20.03	0.096	0.099	0.101
100	CP-OFDM 256QAM	1	1	16.85	17.03	17.02	0.048	0.050	0.050



n77 (3700 MHz ~ 3980 MHz)				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	LowCh./ Freq.	MiddlCh ./Freq.	HighCh. / Freq.	LowCh. / EIRP	MiddleCh. /EIRP	HighCh. / EIRP
Channel				650000	656000	662000	650000	656000	662000
Frequency (MHz)				3750	3840	3930	3750	3840	3930
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	20.78	20.65	20.55	0.120	0.116	0.114
100		1	136	20.91	20.65	20.67	0.123	0.116	0.117
100		1	272	20.91	20.66	20.84	0.123	0.116	0.121
100		135	1	20.23	20.18	20.23	0.105	0.104	0.105
100		135	67	20.83	20.64	20.76	0.121	0.116	0.119
100		135	136	20.31	20.14	20.23	0.107	0.103	0.105
100		270	0	20.23	20.12	20.34	0.105	0.103	0.108
100	DFT-s-OFDM QPSK	1	1	20.62	21.41	20.60	0.115	0.138	0.115
100		1	136	20.68	20.68	20.73	0.117	0.117	0.118
100		1	272	20.67	20.67	20.87	0.117	0.117	0.122
100		135	1	19.72	19.65	19.70	0.094	0.092	0.093
100		135	67	20.30	20.26	20.23	0.107	0.106	0.105
100		135	136	19.71	19.65	19.75	0.094	0.092	0.094
100		270	0	19.75	19.59	19.73	0.094	0.091	0.094
100	DFT-s-OFDM 16QAM	1	1	19.68	19.55	19.53	0.093	0.090	0.090
100	DFT-s-OFDM 64QAM	1	1	18.05	17.90	17.74	0.064	0.062	0.059
100	DFT-s-OFDM 256QAM	1	1	16.13	16.14	16.00	0.041	0.041	0.040
Channel				649334	656000	662666	649334	656000	662666
Frequency (MHz)				3740	3840	3940	3740	3840	3940
80	DFT-s-OFDM PI/2 BPSK	1	1	20.79	20.66	20.70	0.120	0.116	0.117
Channel				648668	656000	663332	648668	656000	663332
Frequency (MHz)				3730	3840	3950	3730	3840	3950
60	DFT-s-OFDM PI/2 BPSK	1	1	20.83	20.68	20.77	0.121	0.117	0.119
Channel				648000	656000	664000	648000	656000	664000
Frequency (MHz)				3720	3840	3960	3720	3840	3960
40	DFT-s-OFDM PI/2 BPSK	1	1	21.21	21.32	21.23	0.132	0.136	0.133





Channel				647668	656000	664332	647668	656000	664332
Frequency (MHz)				3715	3840	3965	3715	3840	3965
30	DFT-s-OFDM PI/2 BPSK	1	1	21.08	20.93	21.33	0.128	0.124	0.136
Channel				647334	656000	664666	647334	656000	664666
Frequency (MHz)				3710	3840	3970	3710	3840	3970
20	DFT-s-OFDM PI/2 BPSK	1	1	21.20	20.93	21.22	0.132	0.124	0.132
Channel				650000	656000	662000	650000	656000	662000
Frequency (MHz)				3750	3840	3930	3750	3840	3930
100	CP-OFDM QPSK	1	1	19.26	19.24	19.21	0.084	0.084	0.083
100	CP-OFDM 16QAM	1	1	18.76	18.73	18.81	0.075	0.075	0.076
100	CP-OFDM 64QAM	1	1	17.06	17.20	17.14	0.051	0.052	0.052
100	CP-OFDM 256QAM	1	1	14.21	14.37	13.95	0.026	0.027	0.025



n77 (3450 MHz ~ 3550 MHz)				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	LowCh./F req.	MiddlCh./ Freq.	HighCh. / Freq.	LowCh. / EIRP	MiddleCh. /EIRP	HighCh. / EIRP
Channel				N/A	633334	N/A	N/A	633334	N/A
Frequency (MHz)				N/A	3500.01	N/A	N/A	3500.01	N/A
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	N/A	20.29	N/A	N/A	0.107	N/A
100		1	136	N/A	20.31	N/A	N/A	0.107	N/A
100		1	272	N/A	20.66	N/A	N/A	0.116	N/A
100		135	1	N/A	20.16	N/A	N/A	0.104	N/A
100		135	67	N/A	20.38	N/A	N/A	0.109	N/A
100		135	136	N/A	19.90	N/A	N/A	0.098	N/A
100		270	0	N/A	20.11	N/A	N/A	0.103	N/A
100	DFT-s-OFDM QPSK	1	1	N/A	20.91	N/A	N/A	0.123	N/A
100		1	136	N/A	20.33	N/A	N/A	0.108	N/A
100		1	272	N/A	20.65	N/A	N/A	0.116	N/A
100		135	1	N/A	19.39	N/A	N/A	0.087	N/A
100		135	67	N/A	20.58	N/A	N/A	0.114	N/A
100		135	136	N/A	19.36	N/A	N/A	0.086	N/A
100		270	0	N/A	19.37	N/A	N/A	0.086	N/A
100	DFT-s-OFDM 16QAM	1	1	N/A	13.98	N/A	N/A	0.025	N/A
100	DFT-s-OFDM 64QAM	1	1	N/A	16.26	N/A	N/A	0.042	N/A
100	DFT-s-OFDM 256QAM	1	1	N/A	14.07	N/A	N/A	0.026	N/A
Channel				632668	633334	634000	632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510	3490.02	3500.01	3510
80	DFT-s-OFDM PI/2 BPSK	1	1	20.53	20.46	20.61	0.113	0.111	0.115
Channel				632000	633334	634666	632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99	3480	3500.01	3519.99
60	DFT-s-OFDM PI/2 BPSK	1	1	20.83	20.76	20.64	0.121	0.119	0.116
Channel				631334	633334	635332	631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98	3470.01	3500.01	3529.98
40	DFT-s-OFDM PI/2 BPSK	1	1	20.71	20.83	20.66	0.118	0.121	0.116



Channel				631000	633334	635666	631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99	3465	3500.01	3534.99
30	DFT-s-OFDM PI/2 BPSK	1	1	20.87	20.76	20.64	0.122	0.119	0.116
Channel				630668	633334	636000	630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540	3460.02	3500.01	3540
20	DFT-s-OFDM PI/2 BPSK	1	1	20.71	20.64	20.72	0.118	0.116	0.118
Channel				N/A	633334	N/A	N/A	633334	N/A
Frequency (MHz)				N/A	3500.01	N/A	N/A	3500.01	N/A
100	CP-OFDM QPSK	1	1	N/A	19.06	N/A	N/A	0.081	N/A
100	CP-OFDM 16QAM	1	1	N/A	18.56	N/A	N/A	0.072	N/A
100	CP-OFDM 64QAM	1	1	N/A	16.85	N/A	N/A	0.048	N/A
100	CP-OFDM 256QAM	1	1	N/A	13.98	N/A	N/A	0.025	N/A



DC_2A_n41				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	LowCh./ Freq.	MiddlCh ./Freq.	HighCh. / Freq.	LowCh. / EIRP	MiddleCh. /EIRP	HighCh. / EIRP
Channel				509202	518598	528000	509202	518598	528000
Frequency (MHz)				2546	2593	2640	2546	2593	2640
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	21.28	21.43	21.44	0.134	0.139	0.139
100		1	136	21.26	21.38	21.54	0.134	0.137	0.143
100		1	272	21.66	21.52	21.45	0.147	0.142	0.140
100		135	1	21.40	21.50	21.46	0.138	0.141	0.140
100		135	67	21.36	21.44	21.19	0.137	0.139	0.132
100		135	136	21.36	21.58	21.64	0.137	0.144	0.146
100		270	0	21.40	21.45	21.65	0.138	0.140	0.146
100	DFT-s-OFDM QPSK	1	1	21.15	21.79	21.51	0.130	0.151	0.142
100		1	136	21.33	21.46	21.46	0.136	0.140	0.140
100		1	272	21.66	21.58	21.60	0.147	0.144	0.145
100		135	1	21.39	21.49	21.62	0.138	0.141	0.145
100		135	67	21.34	21.55	21.63	0.136	0.143	0.146
100		135	136	21.35	21.52	21.59	0.136	0.142	0.144
100		270	0	21.40	21.49	21.61	0.138	0.141	0.145
100	DFT-s-OFDM 16QAM	1	1	21.40	21.13	21.44	0.138	0.130	0.139
100	DFT-s-OFDM 64QAM	1	1	19.57	19.70	19.65	0.091	0.093	0.092
100	DFT-s-OFDM 256QAM	1	1	16.77	17.00	17.07	0.048	0.050	0.051
Channel				508200	518598	528996	508200	518598	528996
Frequency (MHz)				2541	2593	2645	2541	2593	2645
90	DFT-s-OFDM PI/2 BPSK	1	1	19.78	19.96	20.13	0.095	0.099	0.103
Channel				507204	518598	529998	507204	518598	529998
Frequency (MHz)				2536	2593	2650	2536	2593	2650
80	DFT-s-OFDM PI/2 BPSK	1	1	21.14	21.37	21.54	0.130	0.137	0.143
Channel				505200	518598	531996	505200	518598	531996
Frequency (MHz)				2526	2593	2660	2526	2593	2660
60	DFT-s-OFDM PI/2 BPSK	1	1	20.97	20.95	21.07	0.125	0.124	0.128



Channel				504204	518598	532998	504204	518598	532998
Frequency (MHz)				2521	2593	2665	2521	2593	2665
50	DFT-s-OFDM PI/2 BPSK	1	1	21.46	21.10	21.36	0.140	0.129	0.137
Channel				503202	518598	534000	503202	518598	534000
Frequency (MHz)				2516	2593	2670	2516	2593	2670
40	DFT-s-OFDM PI/2 BPSK	1	1	19.72	20.37	20.15	0.094	0.109	0.104
Channel				502200	518598	534996	502200	518598	534996
Frequency (MHz)				2511	2593	2675	2511	2593	2675
30	DFT-s-OFDM PI/2 BPSK	1	1	21.33	21.61	21.17	0.136	0.145	0.131
Channel				501204	518598	535998	501204	518598	535998
Frequency (MHz)				2506	2593	2680	2506	2593	2680
20	DFT-s-OFDMPI/ 2 BPSK	1	1	20.56	20.28	20.42	0.114	0.107	0.110
Channel				509202	518598	528000	509202	518598	528000
Frequency (MHz)				2546	2593	2640	2546	2593	2640
100	CP-OFDM QPSK	1	1	21.24	21.69	21.68	0.133	0.148	0.147
100	CP-OFDM 16QAM	1	1	20.92	21.26	21.22	0.124	0.134	0.132
100	CP-OFDM 64QAM	1	1	19.46	19.61	19.53	0.088	0.091	0.090
100	CP-OFDM 256QAM	1	1	16.82	17.02	17.06	0.048	0.050	0.051



DC_66A_n41				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	LowCh./ Freq.	MiddlCh ./Freq.	HighCh. / Freq.	LowCh. / EIRP	MiddleCh. /EIRP	HighCh. / EIRP
Channel				509202	518598	528000	509202	518598	528000
Frequency (MHz)				2546	2593	2640	2546	2593	2640
				dBm			W		
100	DFT-s-OFDM PI/2 BPSK	1	1	21.19	21.45	21.47	0.132	0.140	0.140
100		1	136	21.46	20.53	21.50	0.140	0.113	0.141
100		1	272	21.17	20.64	21.19	0.131	0.116	0.132
100		135	1	21.28	21.49	21.51	0.134	0.141	0.142
100		135	67	21.40	21.48	21.64	0.138	0.141	0.146
100		135	136	21.39	21.42	21.60	0.138	0.139	0.145
100		270	0	21.44	21.47	21.55	0.139	0.140	0.143
100	DFT-s-OFDM QPSK	1	1	21.14	21.90	21.40	0.130	0.155	0.138
100		1	136	21.35	21.44	21.47	0.136	0.139	0.140
100		1	272	21.16	21.65	21.55	0.131	0.146	0.143
100		135	1	21.24	21.46	21.46	0.133	0.140	0.140
100		135	67	21.39	21.52	21.66	0.138	0.142	0.147
100		135	136	21.27	21.46	21.52	0.134	0.140	0.142
100		270	0	21.44	21.51	21.64	0.139	0.142	0.146
100	DFT-s-OFDM 16QAM	1	1	21.13	21.04	21.32	0.130	0.127	0.136
100	DFT-s-OFDM 64QAM	1	1	19.74	19.52	19.79	0.094	0.090	0.095
100	DFT-s-OFDM 256QAM	1	1	17.04	16.77	17.02	0.051	0.048	0.050
Channel				508200	518598	528996	508200	518598	528996
Frequency (MHz)				2541	2593	2645	2541	2593	2645
90	DFT-s-OFDM PI/2 BPSK	1	1	21.56	21.43	21.51	0.143	0.139	0.142
Channel				507204	518598	529998	507204	518598	529998
Frequency (MHz)				2536	2593	2650	2536	2593	2650
80	DFT-s-OFDM PI/2 BPSK	1	1	21.18	21.46	21.52	0.131	0.140	0.142
Channel				505200	518598	531996	505200	518598	531996
Frequency (MHz)				2526	2593	2660	2526	2593	2660
60	DFT-s-OFDM PI/2 BPSK	1	1	21.28	20.70	20.82	0.134	0.117	0.121



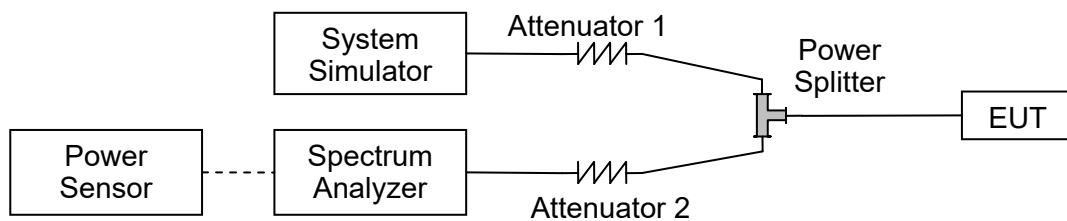
Channel				504204	518598	532998	504204	518598	532998
Frequency (MHz)				2521	2593	2665	2521	2593	2665
50	DFT-s-OFDM PI/2 BPSK	1	1	21.48	21.57	21.60	0.141	0.144	0.145
Channel				503202	518598	534000	503202	518598	534000
Frequency (MHz)				2516	2593	2670	2516	2593	2670
40	DFT-s-OFDM PI/2 BPSK	1	1	21.54	21.69	21.64	0.143	0.148	0.146
Channel				502200	518598	534996	502200	518598	534996
Frequency (MHz)				2511	2593	2675	2511	2593	2675
30	DFT-s-OFDM PI/2 BPSK	1	1	21.62	21.82	21.72	0.145	0.152	0.149
Channel				501204	518598	535998	501204	518598	535998
Frequency (MHz)				2506	2593	2680	2506	2593	2680
20	DFT-s-OFDMPI/ 2 BPSK	1	1	21.44	21.71	21.67	0.139	0.148	0.147
Channel				509202	518598	528000	509202	518598	528000
Frequency (MHz)				2546	2593	2640	2546	2593	2640
100	CP-OFDM QPSK	1	1	21.56	21.51	21.64	0.143	0.142	0.146
100	CP-OFDM 16QAM	1	1	21.25	21.24	21.37	0.133	0.133	0.137
100	CP-OFDM 64QAM	1	1	19.78	19.86	19.67	0.095	0.097	0.093
100	CP-OFDM 256QAM	1	1	17.06	17.06	17.16	0.051	0.051	0.052

## 2.2. Occupied Bandwidth

### 2.2.1. Requirement

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission. Occupied bandwidth is also known as the 99% emission bandwidth.

### 2.2.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

### 2.2.3. Test procedure

KDB 971168 D01v03 Section 4.1 and ANSI/TIA-603-E-2016.





2.2.4. Test Result

**Note:** In the same NR frequency band, The measured power in SA mode is higher than that in NSA mode, SA mode is selected to test all test cases.

n41					
BW(MHz)	Channel Level	Modulation		99% BW(MHz)	26dB BW(MHz)
20	Low	DFT-s-OFDM	PI/2 BPSK	18.230	18.58
	Low		QPSK	17.997	18.44
	Low		16QAM	17.951	18.33
	Low		64QAM	17.958	18.42
	Low		256QAM	17.972	18.52
	Low	CP-OFDM	QPSK	17.972	18.43
	Mid	DFT-s-OFDM	PI/2 BPSK	17.823	18.46
	Mid		QPSK	17.872	18.38
	Mid		16QAM	18.061	18.47
	Mid		64QAM	17.835	18.39
	Mid		256QAM	17.958	18.4
	Mid	CP-OFDM	QPSK	18.015	18.67
	High	DFT-s-OFDM	PI/2 BPSK	17.963	18.53
	High		QPSK	17.958	18.42
	High		16QAM	17.957	18.49
	High		64QAM	17.746	18.29
	High		256QAM	17.958	18.42
	High	CP-OFDM	QPSK	17.980	18.49
30	Low	DFT-s-OFDM	PI/2 BPSK	26.982	27.67
	Low		QPSK	27.049	27.77
	Low		16QAM	26.946	27.9
	Low		64QAM	26.936	27.73
	Low		256QAM	26.998	27.73
	Low	CP-OFDM	QPSK	26.920	27.57
	Mid	DFT-s-OFDM	PI/2 BPSK	26.874	27.59
	Mid		QPSK	26.960	27.55
	Mid		16QAM	26.81	27.7
	Mid		64QAM	26.877	27.63
	Mid		256QAM	26.984	27.58
	Mid	CP-OFDM	QPSK	27.062	27.57



	High	DFT-s-OFDM	PI/2 BPSK	26.938	27.91
	High		QPSK	26.954	27.59
	High		16QAM	27.015	27.78
	High		64QAM	26.995	27.68
	High		256QAM	27.006	27.85
	High	CP-OFDM	QPSK	26.969	27.63
40	Low	DFT-s-OFDM	PI/2 BPSK	36.499	37.29
	Low		QPSK	35.984	37.06
	Low		16QAM	36.011	36.75
	Low		64QAM	36.057	36.88
	Low		256QAM	36.067	36.77
	Low	CP-OFDM	QPSK	36.048	37.0
	Mid	DFT-s-OFDM	PI/2 BPSK	36.090	37.0
	Mid		QPSK	35.741	36.62
	Mid		16QAM	36.055	36.84
	Mid		64QAM	35.893	36.94
	Mid		256QAM	35.988	36.82
	Mid	CP-OFDM	QPSK	35.977	36.73
	High	DFT-s-OFDM	PI/2 BPSK	36.051	36.93
	High		QPSK	35.948	36.86
	High		16QAM	36.096	37.07
	High		64QAM	36.096	36.9
	High		256QAM	36.105	36.82
	High	CP-OFDM	QPSK	35.891	36.96
50	Low	DFT-s-OFDM	PI/2 BPSK	46.018	47.05
	Low		QPSK	46.162	47.26
	Low		16QAM	46.140	47.13
	Low		64QAM	46.065	47.09
	Low		256QAM	46.027	46.9
	Low	CP-OFDM	QPSK	46.032	47.12
	Mid	DFT-s-OFDM	PI/2 BPSK	46.138	46.98
	Mid		QPSK	45.876	47.01
	Mid		16QAM	46.055	46.97
	Mid		64QAM	46.150	47.01
	Mid		256QAM	45.877	46.83
	Mid	CP-OFDM	QPSK	46.053	47.05
	High		PI/2 BPSK	46.222	47.0
	High		QPSK	46.107	47.11



	High	DFT-s-OFDM	16QAM	46.093	47.05	
	High		64QAM	46.198	47.11	
	High		256QAM	46.075	47.02	
	High	CP-OFDM	QPSK	46.107	47.06	
60	Low	DFT-s-OFDM	PI/2 BPSK	58.489	59.65	
	Low		QPSK	58.589	59.61	
	Low		16QAM	58.349	59.65	
	Low		64QAM	58.393	59.61	
	Low		256QAM	58.529	59.48	
	Low	CP-OFDM	QPSK	58.347	59.35	
	Mid	DFT-s-OFDM	PI/2 BPSK	58.332	59.55	
	Mid		QPSK	58.464	59.57	
	Mid		16QAM	58.407	59.74	
	Mid		64QAM	58.388	59.51	
	Mid		256QAM	58.416	59.51	
	Mid	CP-OFDM	QPSK	58.330	59.39	
	High	DFT-s-OFDM	PI/2 BPSK	58.514	59.63	
	High		QPSK	58.500	59.55	
	High		16QAM	58.416	59.61	
	High		64QAM	58.393	59.53	
	High		256QAM	58.413	59.65	
	High	CP-OFDM	QPSK	58.335	59.42	
	80	Low	DFT-s-OFDM	PI/2 BPSK	78.049	79.39
		Low		QPSK	77.981	79.36
Low		16QAM		77.912	79.22	
Low		64QAM		78.013	79.34	
Low		256QAM		77.955	79.24	
Low		CP-OFDM	QPSK	77.997	79.33	
Mid		DFT-s-OFDM	PI/2 BPSK	77.607	79.33	
Mid			QPSK	77.592	79.14	
Mid			16QAM	77.713	79.18	
Mid			64QAM	77.838	79.32	
Mid			256QAM	77.727	79.25	
Mid		CP-OFDM	QPSK	77.803	79.33	
High		DFT-s-OFDM	PI/2 BPSK	77.248	79.64	
High			QPSK	78.035	79.34	
High			16QAM	77.778	79.34	
High			64QAM	78.003	79.36	
High						



	High		256QAM	77.899	79.42	
	High	CP-OFDM	QPSK	77.196	79.44	
90	Low	DFT-s-OFDM	PI/2 BPSK	85.773	87.87	
	Low		QPSK	86.782	88.25	
	Low		16QAM	86.508	88.27	
	Low		64QAM	86.745	88.27	
	Low		256QAM	86.584	88.1	
	Low	CP-OFDM	QPSK	87.675	89.38	
	Mid	DFT-s-OFDM	PI/2 BPSK	86.544	88.22	
	Mid		QPSK	86.487	88.2	
	Mid		16QAM	86.503	88.21	
	Mid		64QAM	86.583	88.25	
	Mid		256QAM	86.332	88.1	
	Mid	CP-OFDM	QPSK	87.586	89.25	
	High	DFT-s-OFDM	PI/2 BPSK	86.711	88.34	
	High		QPSK	86.685	88.31	
	High		16QAM	86.424	88.19	
	High		64QAM	86.526	88.24	
	High		256QAM	86.609	88.05	
	High	CP-OFDM	QPSK	87.668	89.17	
	100	Low	DFT-s-OFDM	PI/2 BPSK	97.389	99.36
		Low		QPSK	97.557	99.34
Low		16QAM		97.464	99.08	
Low		64QAM		97.473	99.17	
Low		256QAM		97.204	98.78	
Low		CP-OFDM	QPSK	97.611	99.11	
Mid		DFT-s-OFDM	PI/2 BPSK	97.489	99.12	
Mid			QPSK	97.550	99.31	
Mid			16QAM	97.530	99.37	
Mid			64QAM	97.408	99.21	
Mid			256QAM	97.372	99.14	
Mid		CP-OFDM	QPSK	97.184	99.06	
High		DFT-s-OFDM	PI/2 BPSK	97.268	98.6	
High			QPSK	97.656	99.26	
High			16QAM	97.568	99.2	
High			64QAM	97.412	99.1	
High			256QAM	97.392	99.14	
High		CP-OFDM	QPSK	97.292	99.1	



n77(3700 MHz ~ 3980 MHz)					
BW(MHz)	Channel Level	Modulation		99% BW(MHz)	26dB BW(MHz)
20	Low	DFT-s-OFDM	PI/2 BPSK	18.012	18.42
	Low		QPSK	17.949	18.36
	Low		16QAM	17.932	18.58
	Low		64QAM	17.971	18.35
	Low		256QAM	17.917	18.34
	Low	CP-OFDM	QPSK	17.934	18.68
	Mid	DFT-s-OFDM	PI/2 BPSK	17.954	18.59
	Mid		QPSK	18.005	18.43
	Mid		16QAM	17.946	18.53
	Mid		64QAM	17.965	18.41
	Mid		256QAM	17.989	18.6
	Mid	CP-OFDM	QPSK	17.904	18.32
	High	DFT-s-OFDM	PI/2 BPSK	17.974	18.52
	High		QPSK	17.877	18.31
	High		16QAM	17.874	18.45
	High		64QAM	17.901	18.59
	High		256QAM	17.975	18.31
	High	CP-OFDM	QPSK	17.967	18.42
30	Low	DFT-s-OFDM	PI/2 BPSK	27.033	27.63
	Low		QPSK	26.883	27.57
	Low		16QAM	26.919	27.65
	Low		64QAM	26.996	27.57
	Low		256QAM	26.910	27.7
	Low	CP-OFDM	QPSK	27.059	27.6
	Mid	DFT-s-OFDM	PI/2 BPSK	27.037	27.59
	Mid		QPSK	27.002	27.77
	Mid		16QAM	27.021	27.63
	Mid		64QAM	26.975	27.99
	Mid		256QAM	27.039	27.53
	Mid	CP-OFDM	QPSK	26.942	27.51
	High	DFT-s-OFDM	PI/2 BPSK	26.916	27.54
	High		QPSK	26.923	27.62
	High		16QAM	26.969	27.67
	High		64QAM	26.995	27.82
	High		256QAM	26.954	27.53



40	High	CP-OFDM	QPSK	27.032	27.51
	Low	DFT-s-OFDM	PI/2 BPSK	36.096	36.91
	Low		QPSK	36.069	36.86
	Low		16QAM	36.020	36.89
	Low		64QAM	35.987	36.86
	Low		256QAM	36.014	36.78
	Low	CP-OFDM	QPSK	36.037	36.84
	Mid	DFT-s-OFDM	PI/2 BPSK	36.157	36.95
	Mid		QPSK	36.070	37.05
	Mid		16QAM	35.781	36.37
	Mid		64QAM	35.996	36.79
	Mid		256QAM	35.874	36.72
	Mid	CP-OFDM	QPSK	36.118	36.77
	High	DFT-s-OFDM	PI/2 BPSK	36.166	36.89
	High		QPSK	36.113	36.85
	High		16QAM	36.091	36.9
	High		64QAM	36.050	36.87
	High		256QAM	36.024	36.78
	High	CP-OFDM	QPSK	35.974	36.87
	60	Low	DFT-s-OFDM	PI/2 BPSK	58.430
Low		QPSK		58.455	59.5
Low		16QAM		58.220	59.12
Low		64QAM		58.364	59.37
Low		256QAM		58.255	59.43
Low		CP-OFDM	QPSK	58.351	59.41
Mid		DFT-s-OFDM	PI/2 BPSK	58.279	59.45
Mid			QPSK	58.456	59.52
Mid			16QAM	58.485	59.48
Mid			64QAM	58.277	59.5
Mid			256QAM	58.184	59.26
Mid		CP-OFDM	QPSK	58.224	59.37
High		DFT-s-OFDM	PI/2 BPSK	58.203	59.33
High			QPSK	58.372	59.39
High			16QAM	58.460	59.57
High			64QAM	58.422	59.47
High	256QAM		58.346	59.39	
High	CP-OFDM	QPSK	58.260	59.24	
80	Low		PI/2 BPSK	78.025	79.4



	Low	DFT-s-OFDM	QPSK	77.675	79.26
	Low		16QAM	77.837	79.14
	Low		64QAM	77.870	79.26
	Low		256QAM	77.590	79.01
	Low	CP-OFDM	QPSK	77.799	79.31
	Mid	DFT-s-OFDM	PI/2 BPSK	77.644	79.14
	Mid		QPSK	77.860	79.26
	Mid		16QAM	77.733	79.31
	Mid		64QAM	77.874	79.31
	Mid		256QAM	77.635	79.24
	Mid	CP-OFDM	QPSK	77.799	79.28
	High	DFT-s-OFDM	PI/2 BPSK	77.713	79.31
	High		QPSK	77.870	79.38
	High		16QAM	78.050	79.24
	High		64QAM	77.832	79.17
	High		256QAM	77.880	79.34
High	CP-OFDM	QPSK	77.676	79.16	
100	Low	DFT-s-OFDM	PI/2 BPSK	97.355	98.91
	Low		QPSK	97.444	99.12
	Low		16QAM	97.142	98.88
	Low		64QAM	97.114	99.07
	Low		256QAM	96.822	98.81
	Low	CP-OFDM	QPSK	96.978	98.95
	Mid	DFT-s-OFDM	PI/2 BPSK	97.635	99.26
	Mid		QPSK	97.388	99.17
	Mid		16QAM	97.448	99.08
	Mid		64QAM	97.037	98.75
	Mid		256QAM	96.990	98.9
	Mid	CP-OFDM	QPSK	97.061	98.95
	High	DFT-s-OFDM	PI/2 BPSK	96.589	99.59
	High		QPSK	97.526	99.16
	High		16QAM	97.436	99.15
	High		64QAM	97.257	99.1
High	256QAM		96.896	98.91	
High	CP-OFDM	QPSK	97.050	98.99	



n77(3450 MHz ~ 3550 MHz)					
BW(MHz)	Channel Level	Modulation		99% BW(MHz)	26dB BW(MHz)
20	Low	DFT-s-OFDM	PI/2 BPSK	17.972	18.53
	Low		QPSK	17.956	18.47
	Low		16QAM	17.958	18.38
	Low		64QAM	17.975	18.58
	Low		256QAM	17.920	18.35
	Low	CP-OFDM	QPSK	17.963	18.51
	Mid	DFT-s-OFDM	PI/2 BPSK	17.985	18.41
	Mid		QPSK	17.949	18.58
	Mid		16QAM	17.953	18.37
	Mid		64QAM	17.976	18.36
	Mid		256QAM	17.919	18.37
	Mid	CP-OFDM	QPSK	17.953	18.47
	High	DFT-s-OFDM	PI/2 BPSK	17.994	18.66
	High		QPSK	17.966	18.6
	High		16QAM	18.081	18.8
	High		64QAM	17.924	18.38
	High		256QAM	18.032	18.46
	High	CP-OFDM	QPSK	17.972	18.73
30	Low	DFT-s-OFDM	PI/2 BPSK	27.049	27.92
	Low		QPSK	26.991	27.8
	Low		16QAM	26.983	27.56
	Low		64QAM	26.909	27.74
	Low		256QAM	26.995	27.58
	Low	CP-OFDM	QPSK	26.859	27.52
	Mid	DFT-s-OFDM	PI/2 BPSK	26.997	27.82
	Mid		QPSK	27.014	27.59
	Mid		16QAM	27.048	27.65
	Mid		64QAM	26.989	27.57
	Mid		256QAM	26.986	27.59
	Mid	CP-OFDM	QPSK	26.965	27.48
	High	DFT-s-OFDM	PI/2 BPSK	27.024	27.65
	High		QPSK	27.001	27.67
	High		16QAM	27.082	27.71
	High		64QAM	26.920	27.53
	High		256QAM	26.940	27.57





40	High	CP-OFDM	QPSK	26.963	27.73
	Low	DFT-s-OFDM	PI/2 BPSK	36.109	36.84
	Low		QPSK	36.048	36.86
	Low		16QAM	36.080	36.97
	Low		64QAM	35.977	36.79
	Low		256QAM	36.004	36.72
	Low	CP-OFDM	QPSK	36.025	36.77
	Mid	DFT-s-OFDM	PI/2 BPSK	36.162	36.89
	Mid		QPSK	35.896	36.8
	Mid		16QAM	35.956	36.84
	Mid		64QAM	36.065	36.76
	Mid		256QAM	36.046	36.67
	Mid	CP-OFDM	QPSK	36.048	36.67
	High	DFT-s-OFDM	PI/2 BPSK	36.022	36.79
	High		QPSK	36.112	36.98
	High		16QAM	36.185	36.9
	High		64QAM	36.026	36.87
	High		256QAM	36.070	36.76
	High	CP-OFDM	QPSK	36.105	36.77
	60	Low	DFT-s-OFDM	PI/2 BPSK	58.397
Low		QPSK		58.439	59.54
Low		16QAM		58.417	59.46
Low		64QAM		58.403	59.47
Low		256QAM		58.418	59.44
Low		CP-OFDM	QPSK	58.389	59.6
Mid		DFT-s-OFDM	PI/2 BPSK	58.300	59.53
Mid			QPSK	58.465	59.6
Mid			16QAM	58.529	59.66
Mid			64QAM	58.435	59.49
Mid			256QAM	58.238	59.37
Mid		CP-OFDM	QPSK	58.364	59.46
High		DFT-s-OFDM	PI/2 BPSK	58.329	59.39
High			QPSK	58.520	59.61
High			16QAM	58.366	59.59
High			64QAM	58.358	59.42
High			256QAM	58.275	59.27
High	CP-OFDM	QPSK	58.345	59.48	
80	Low		PI/2 BPSK	77.879	79.32

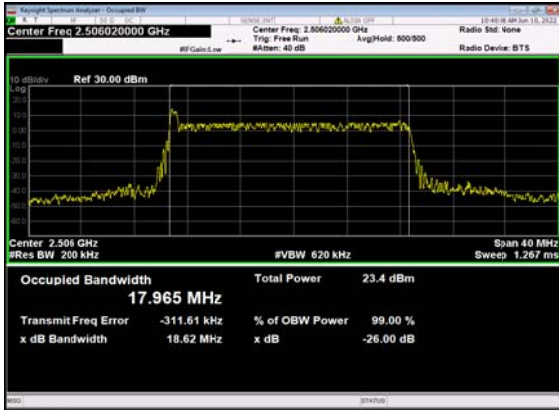


	Low	DFT-s-OFDM	QPSK	77.881	79.44
	Low		16QAM	78.126	79.56
	Low		64QAM	77.936	79.38
	Low		256QAM	77.981	79.17
	Low	CP-OFDM	QPSK	77.935	79.52
	Mid	DFT-s-OFDM	PI/2 BPSK	78.004	79.36
	Mid		QPSK	78.087	79.47
	Mid		16QAM	77.842	79.4
	Mid		64QAM	77.839	79.32
	Mid		256QAM	77.961	79.32
	Mid	CP-OFDM	QPSK	77.747	79.36
	High	DFT-s-OFDM	PI/2 BPSK	77.945	79.25
	High		QPSK	78.072	79.38
	High		16QAM	77.845	79.29
	High		64QAM	77.856	79.25
	High		256QAM	77.896	79.17
	High	CP-OFDM	QPSK	77.916	79.38
	Mid	DFT-s-OFDM	PI/2 BPSK	97.336	99.19
	Mid		QPSK	97.349	99.27
	Mid		16QAM	97.414	99.19
	Mid		64QAM	97.373	99.03
	Mid		256QAM	97.145	99.05
	Mid	CP-OFDM	QPSK	97.406	98.96

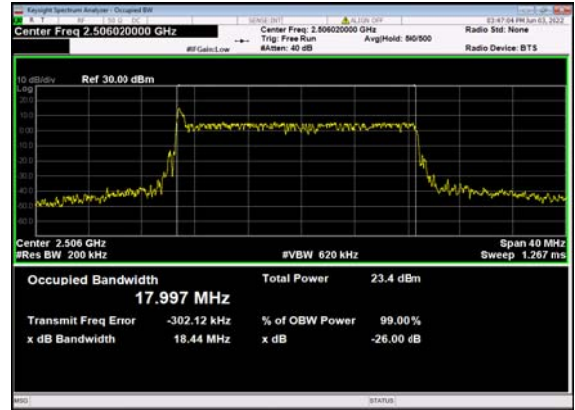


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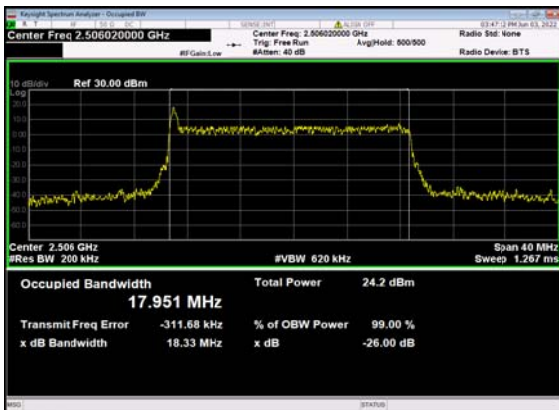
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Outer\_Full\_Low\_CH



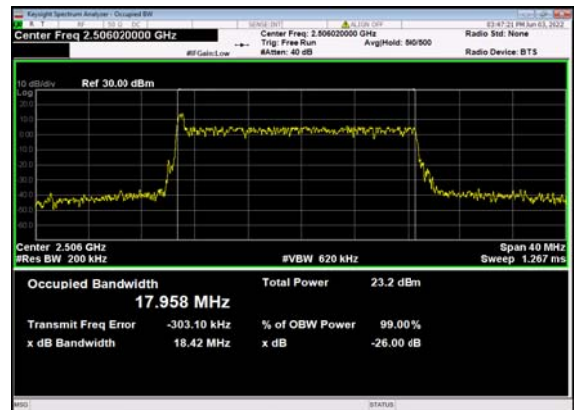
n41(20M)\_DFT-s-OFDM\_QPSK\_  
Outer\_Full\_Low\_CH



n41(20M)\_DFT-s-OFDM\_16 QAM\_  
Outer\_Full\_Low\_CH

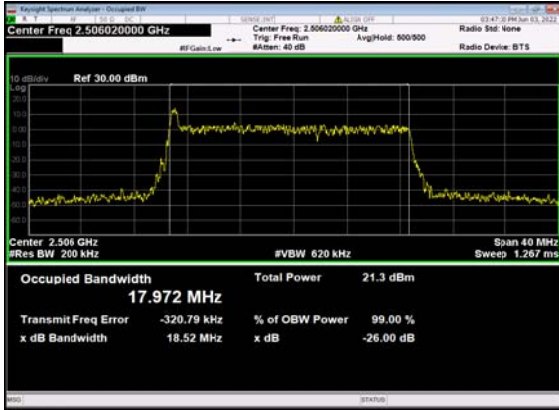


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QAM\_Outer\_Full\_Low\_CH

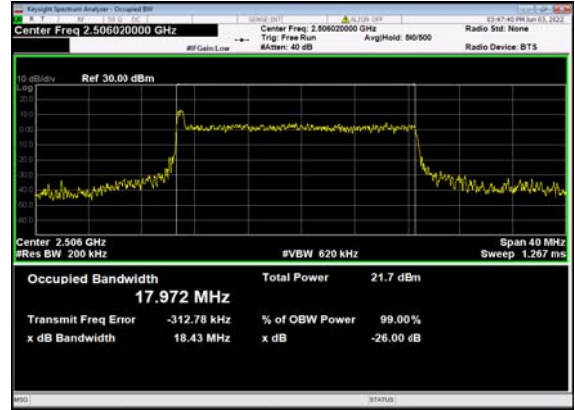




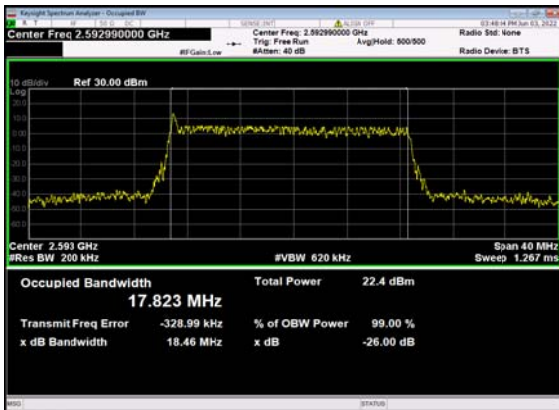
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QAM\_Outer\_Full\_Low\_CH



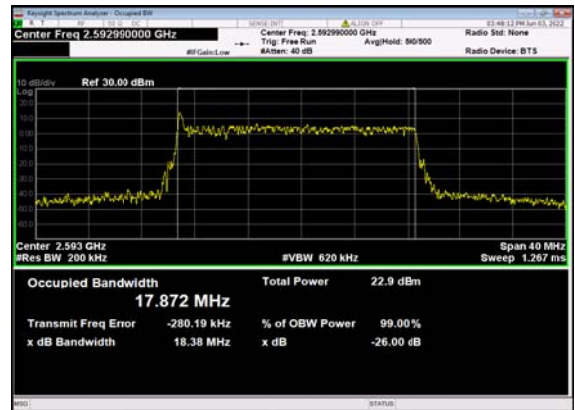
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Outer\_Full\_Low\_CH



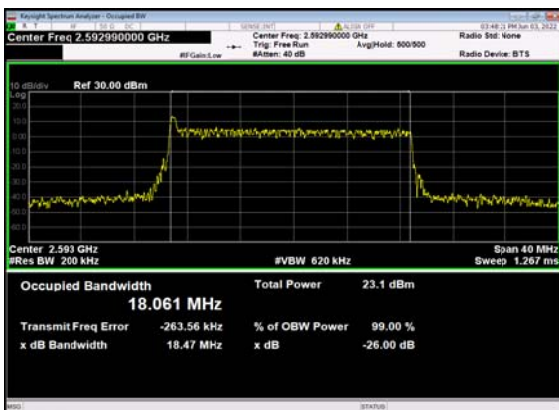
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\_Outer\_Full\_Mid\_CH



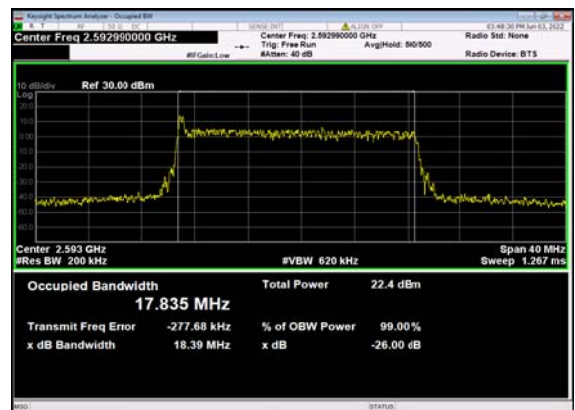
n41(20M)\_DFT-s-OFDM\_  
QPSK\_Outer\_Full\_Mid\_CH



n41(20M)\_DFT-s-OFDM\_16 QAM\_  
Outer\_Full\_Mid\_CH

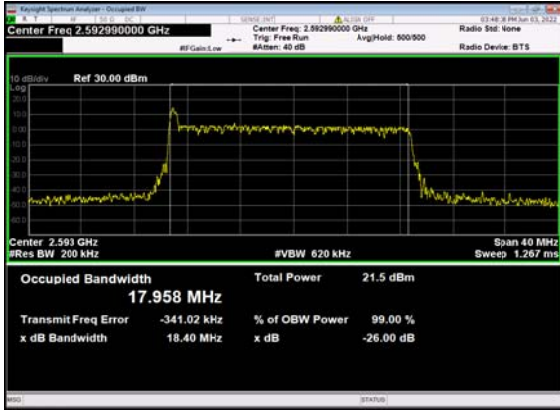


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QAM\_Outer\_Full\_Mid\_CH

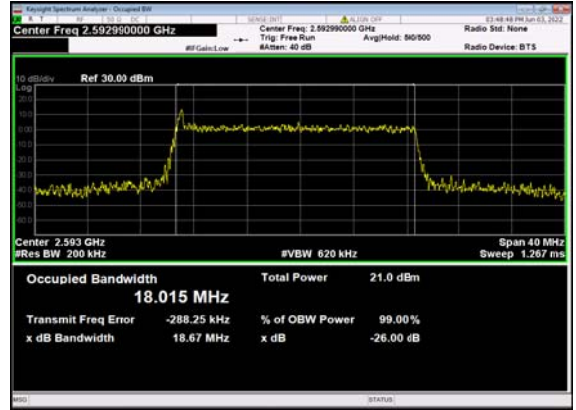




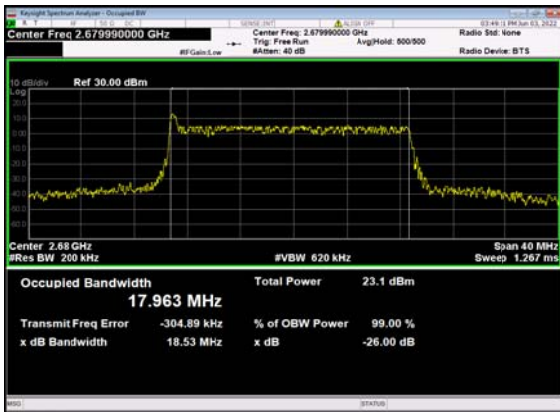
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Outer\_Full\_Mid\_CH



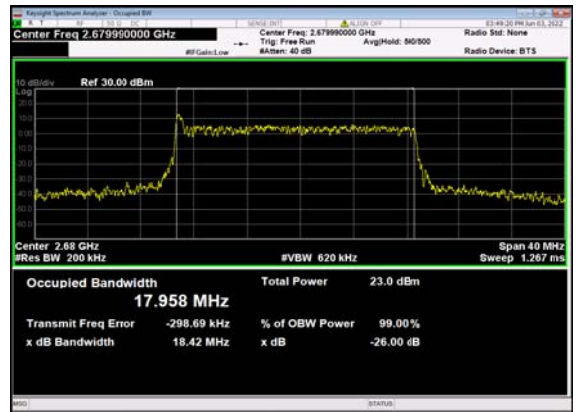
n41(20M)\_CP-OFDM\_QPSK\_  
Outer\_Full\_Mid\_CH



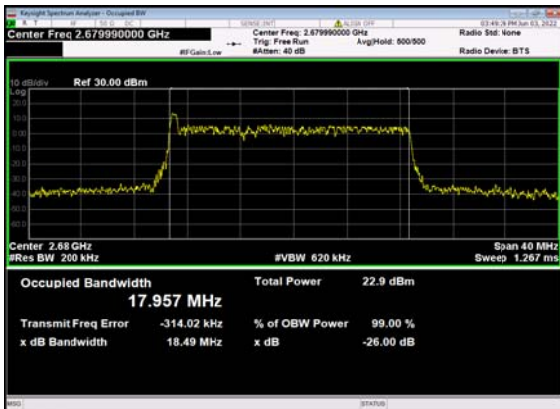
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Outer\_Full\_High\_CH



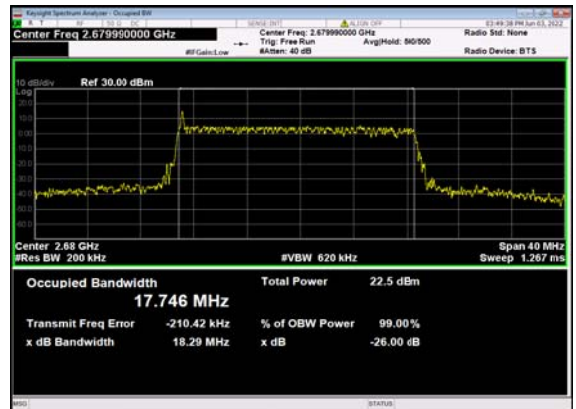
n41(20M)\_DFT-s-OFDM\_QPSK\_Outer\_  
Full\_High\_CH



n41(20M)\_DFT-s-OFDM\_16 QAM\_  
Outer\_Full\_High\_CH



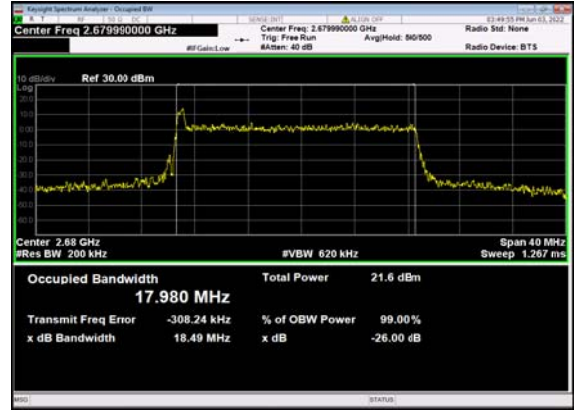
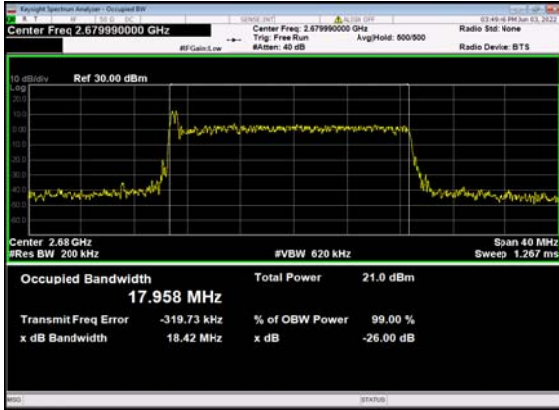
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QAM\_Outer\_Full\_High\_CH





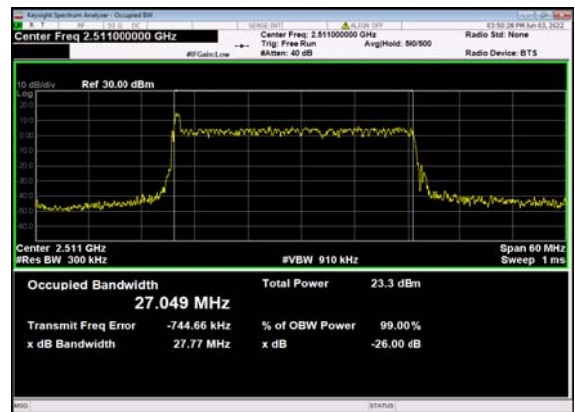
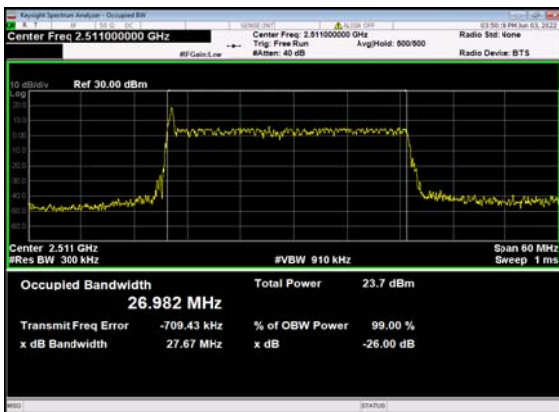
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QAM\_Outer\_Full\_High\_CH

n41(20M)\_CP-OFDM\_QPSK\_Outer\_  
Full\_High\_CH



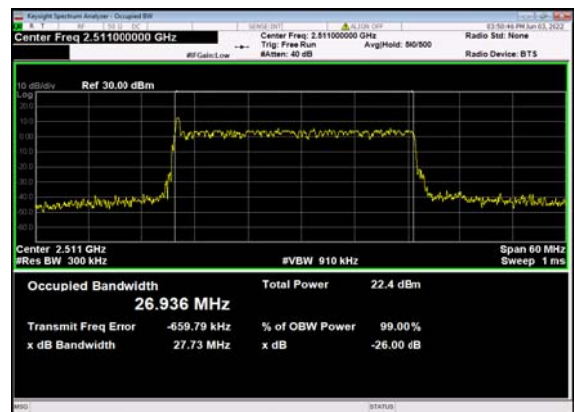
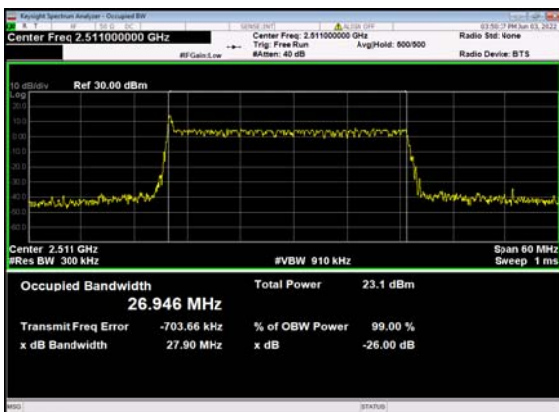
n41(30M)\_DFT-s-OFDM\_PI\_2-BPSK\_  
Outer\_Full\_Low\_CH

n41(30M)\_DFT-s-OFDM\_QPSK\_  
Outer\_Full\_Low\_CH



n41(30M)\_DFT-s-OFDM\_16 QAM\_  
Outer\_Full\_Low\_CH

n41(30M)\_DFT-s-OFDM\_64  
QAM\_Outer\_Full\_Low\_CH

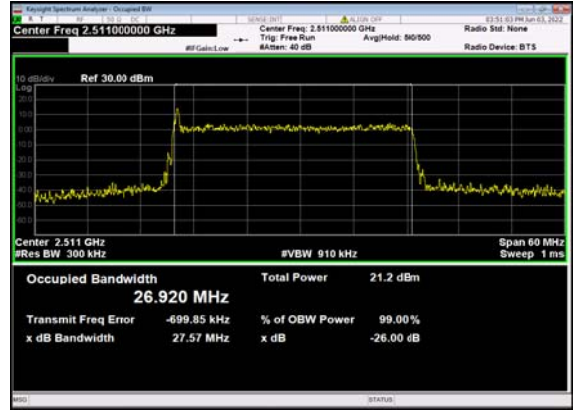
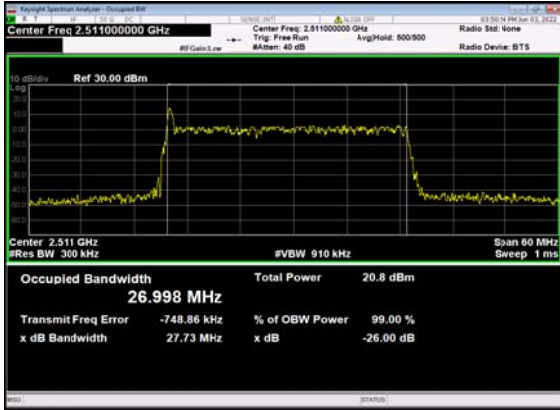




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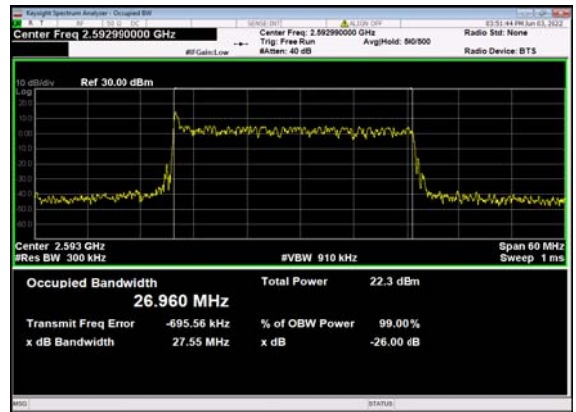
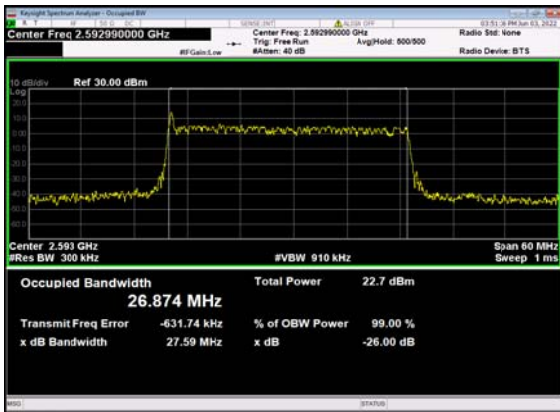
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QAM\_Outer\_Full\_Low\_CH

n41(30M)\_CP-OFDM\_QPSK\_Outer\_  
Full\_Low\_CH



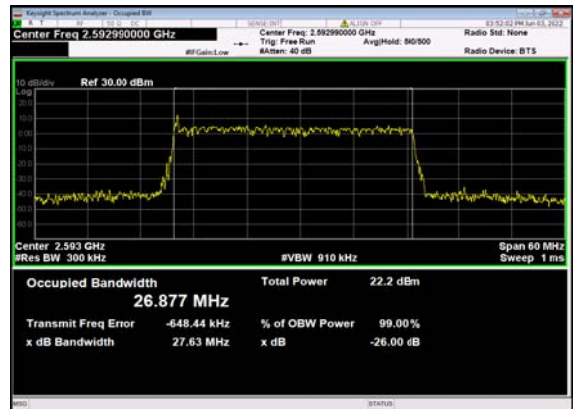
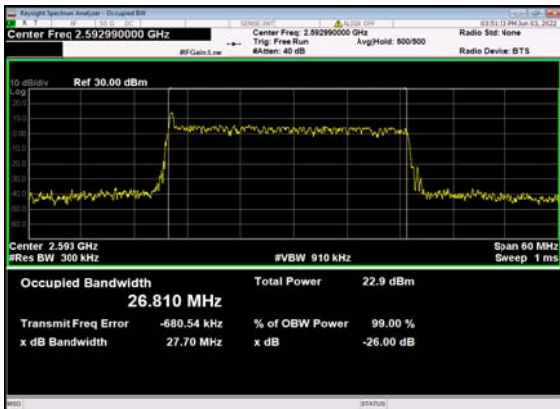
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Outer\_Full\_Mid\_CH

n41(30M)\_DFT-s-OFDM\_QPSK\_  
Outer\_Full\_Mid\_CH



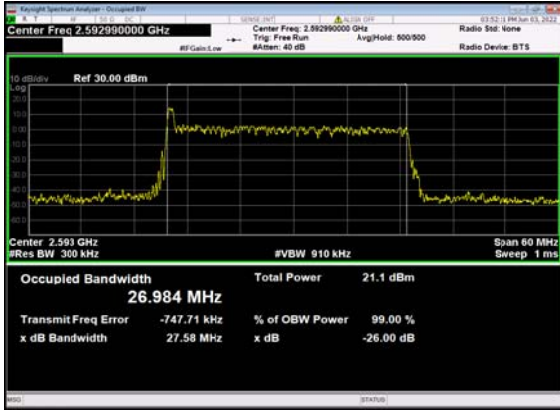
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Outer\_Full\_Mid\_CH

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QAM\_Outer\_Full\_Mid\_CH

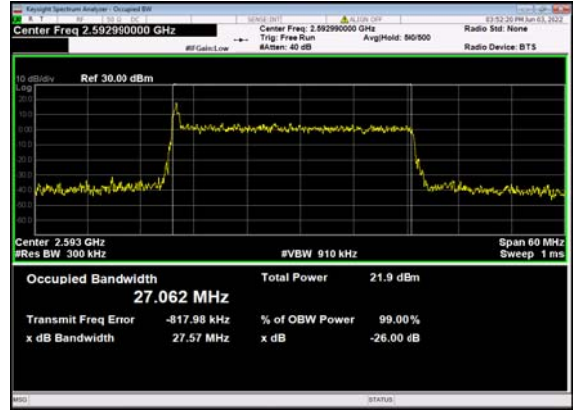




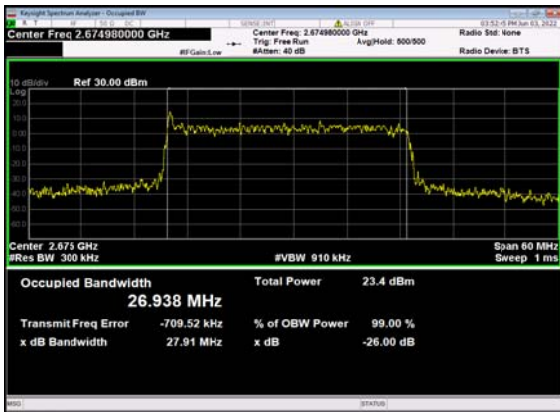
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Outer\_Full\_Mid\_CH



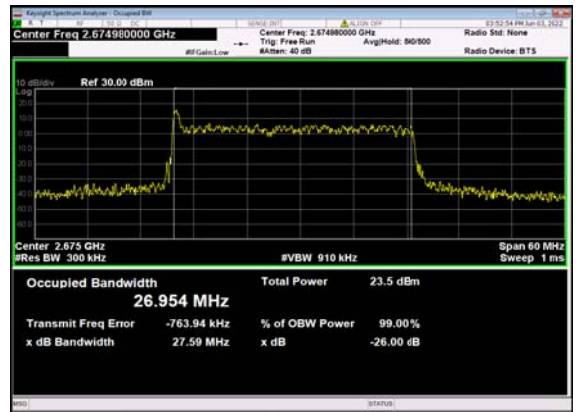
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Outer\_Full\_Mid\_CH



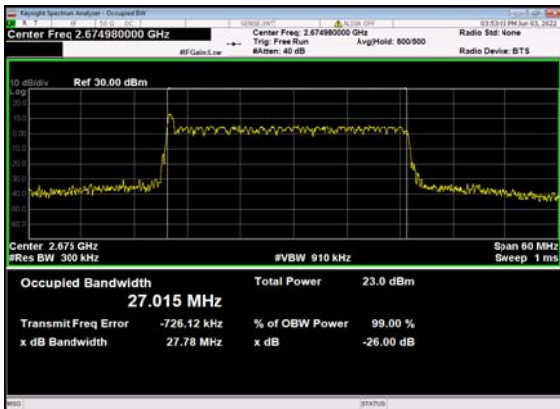
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Outer\_Full\_High\_CH



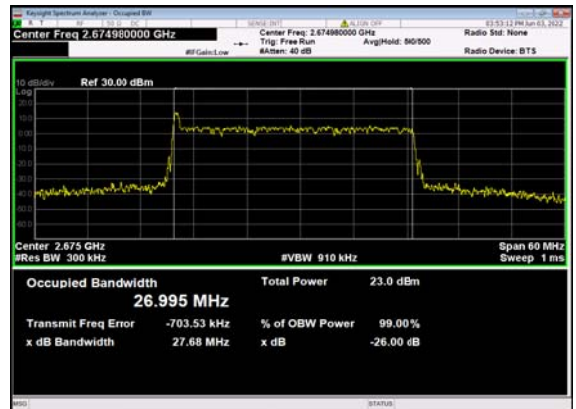
n41(30M)\_DFT-s-OFDM\_QPSK\_  
Outer\_Full\_High\_CH



n41(30M)\_DFT-s-OFDM\_16 QAM\_  
Outer\_Full\_High\_CH



n41(30M)\_DFT-s-OFDM\_64  
QAM\_Outer\_Full\_High\_CH

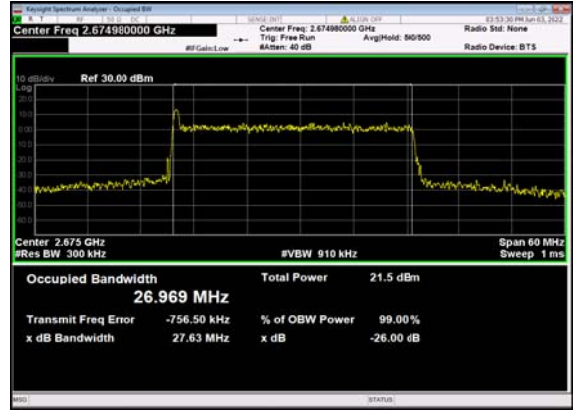
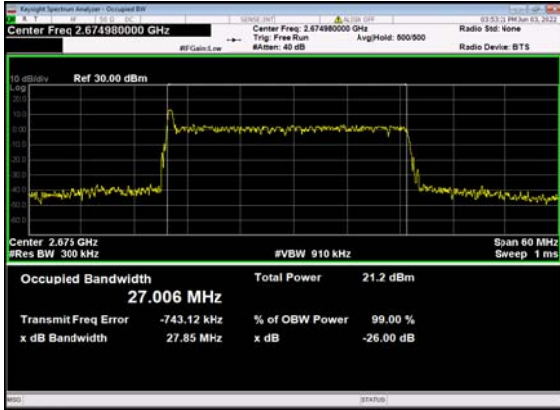






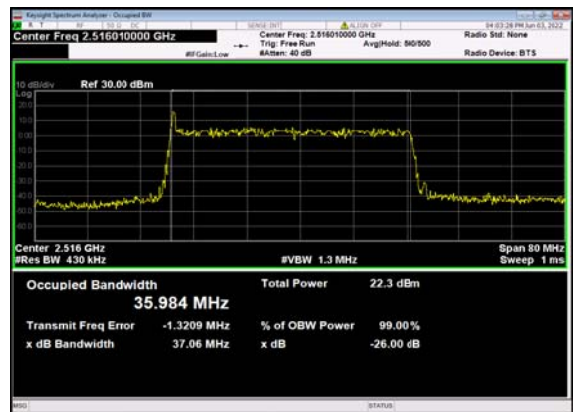
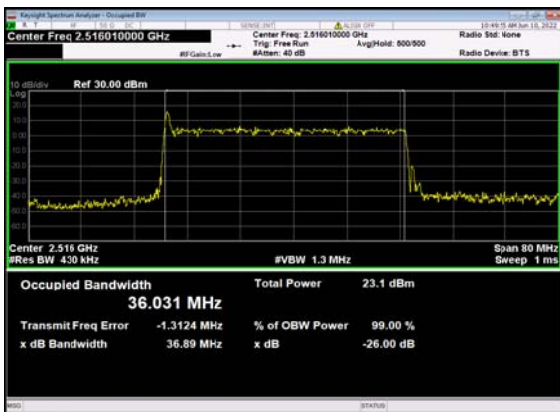
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QAM\_Outer\_Full\_High\_CH

n41(30M)\_CP-OFDM\_QPSK\_Outer\_  
Full\_High\_CH



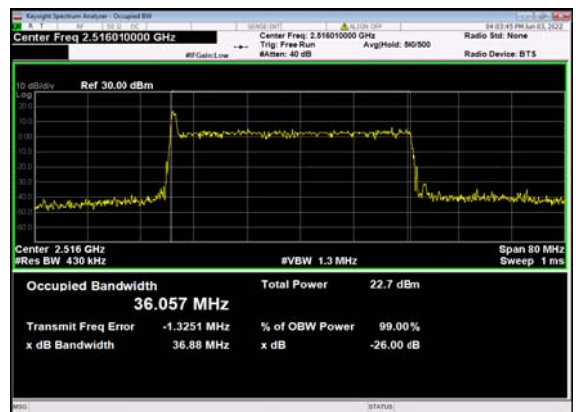
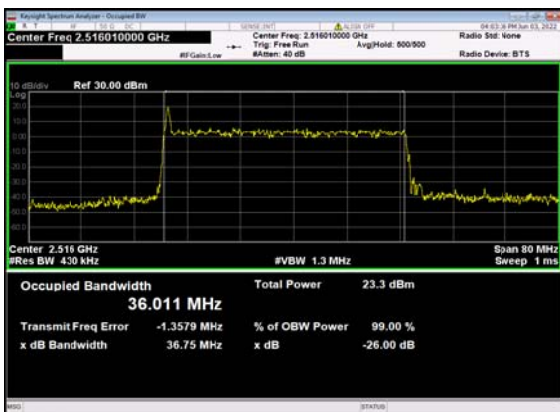
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Outer\_Full\_Low\_CH

n41(40M)\_DFT-s-OFDM\_QPSK\_  
Outer\_Full\_Low\_CH



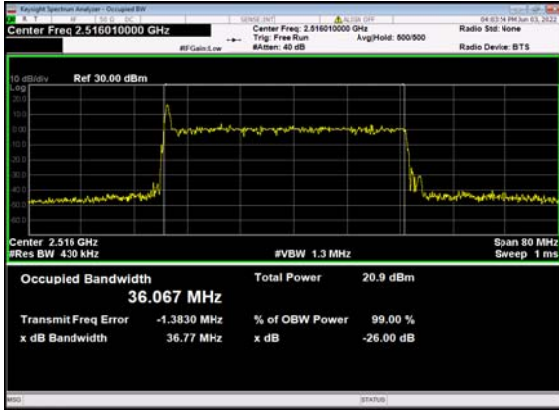
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Outer\_Full\_Low\_CH

n41(40M)\_DFT-s-OFDM\_64  
QAM\_Outer\_Full\_Low\_CH

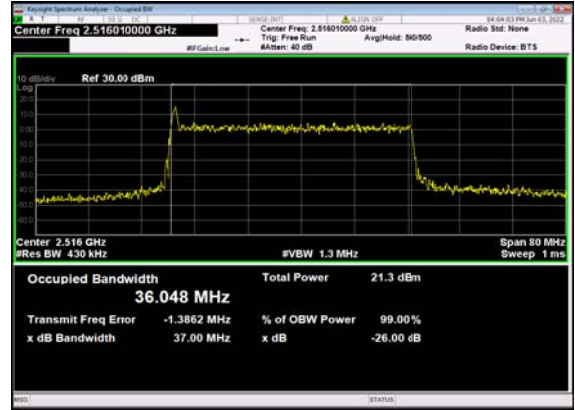




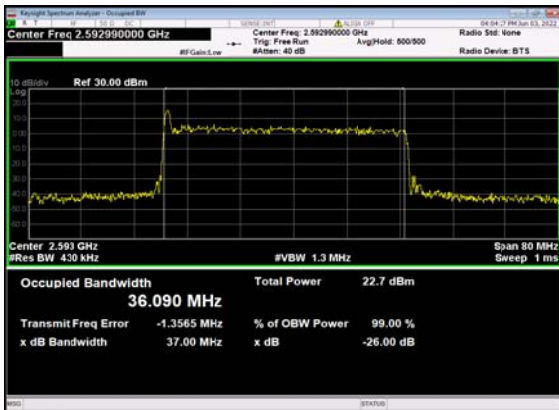
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QAM\_Outer\_Full\_Low\_CH



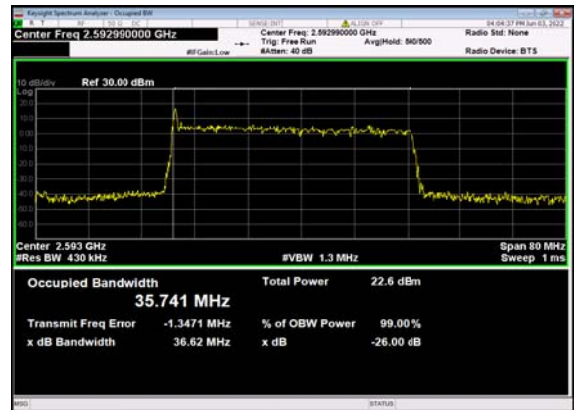
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Outer\_Full\_Low\_CH



n41(40M)\_DFT-s-OFDM\_PI\_2-BPSK\_  
Outer\_Full\_Mid\_CH



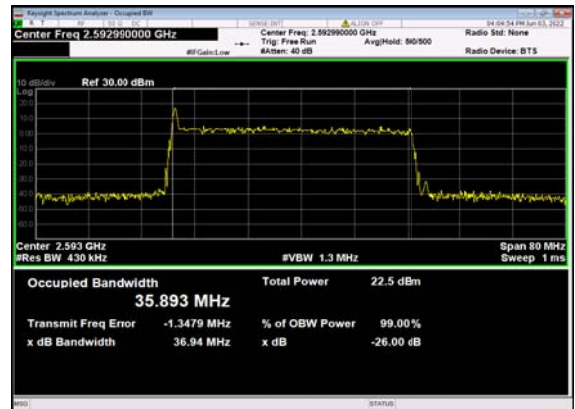
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Outer\_Full\_Mid\_CH



n41(40M)\_DFT-s-OFDM\_16 QAM\_  
Outer\_Full\_Mid\_CH

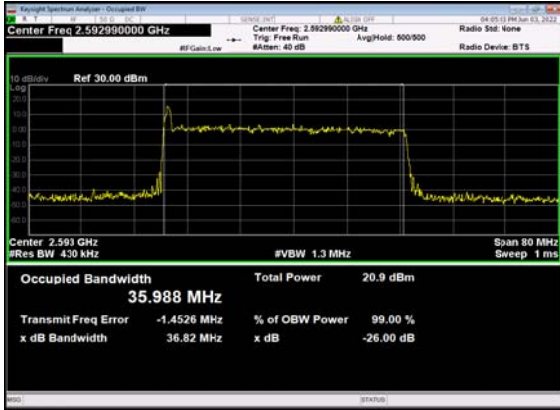


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QAM\_Outer\_Full\_Mid\_CH

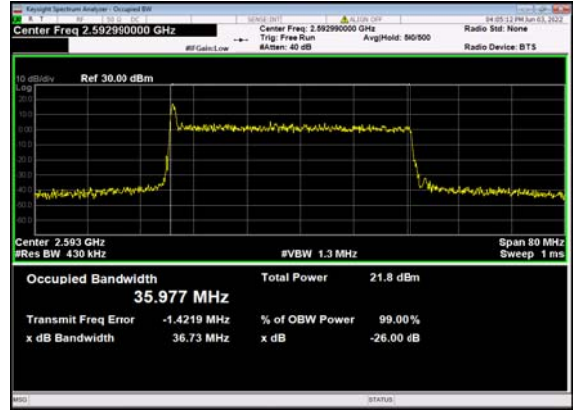




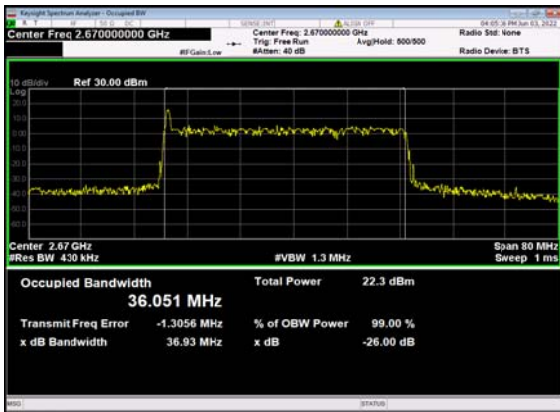
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Outer\_Full\_Mid\_CH



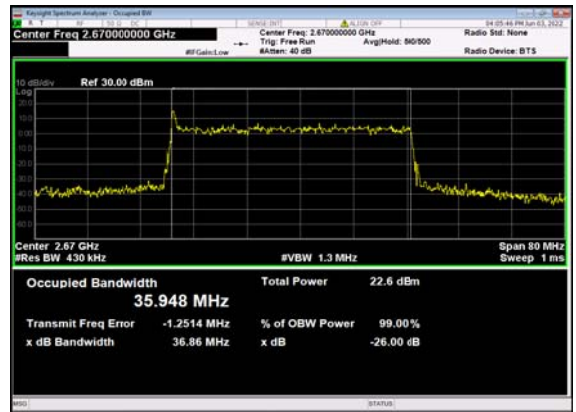
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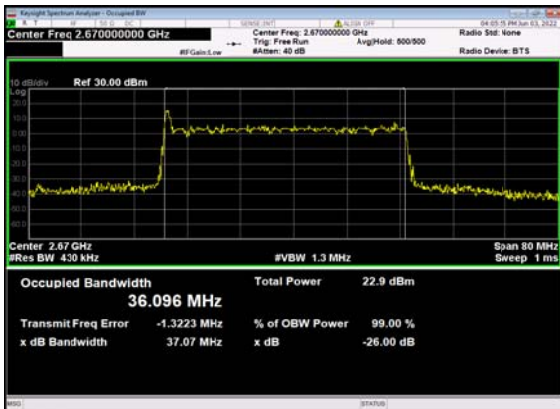
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Outer\_Full\_High\_CH



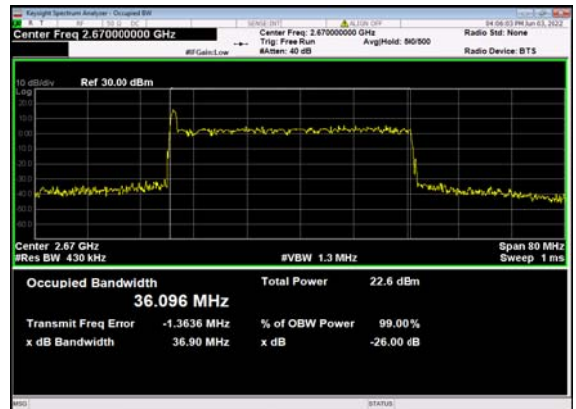
n41(40M)\_DFT-s-OFDM\_QPSK\_  
Outer\_Full\_High\_CH



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Outer\_Full\_High\_CH

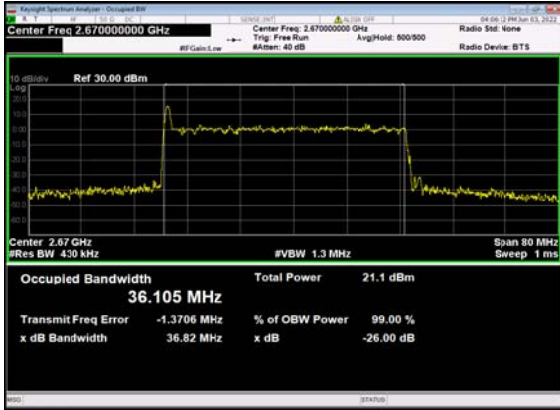


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QAM\_Outer\_Full\_High\_CH

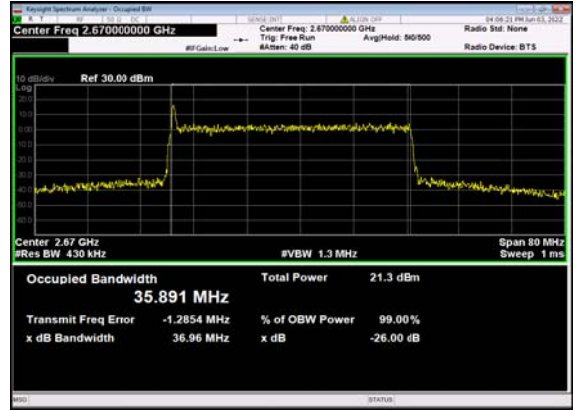




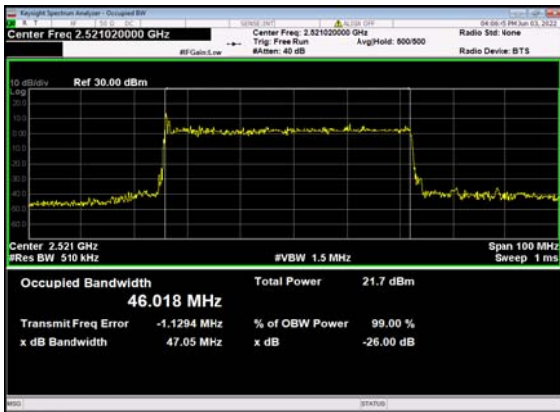
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QAM\_Outer\_Full\_High\_CH



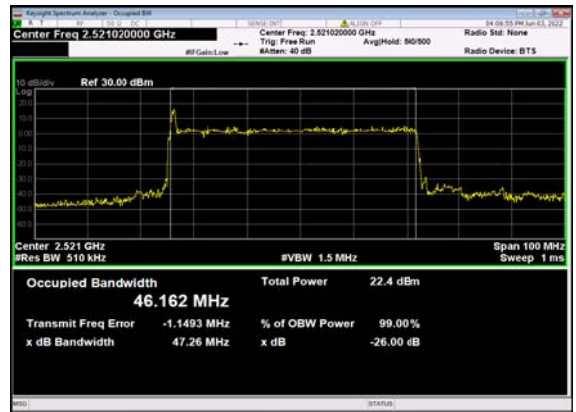
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Outer\_Full\_High\_CH



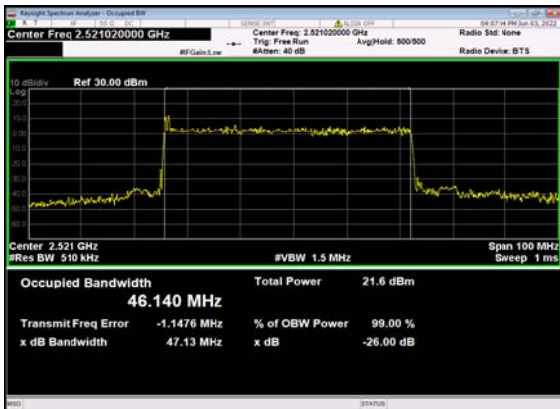
n41(50M)\_DFT-s-OFDM\_PI\_2-BPSK\_  
Outer\_Full\_Low\_CH



n41(50M)\_DFT-s-OFDM\_QPSK\_  
Outer\_Full\_Low\_CH



n41(50M)\_DFT-s-OFDM\_16 QAM\_  
Outer\_Full\_Low\_CH

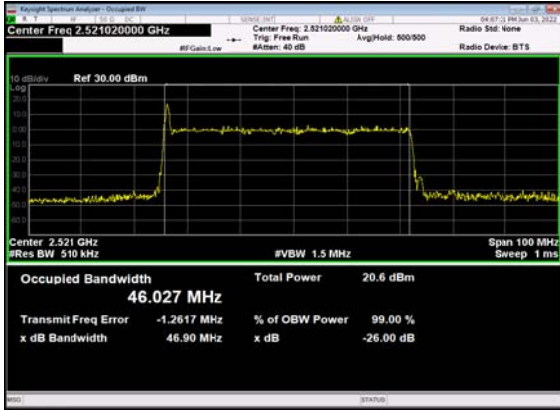


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QAM\_Outer\_Full\_Low\_CH

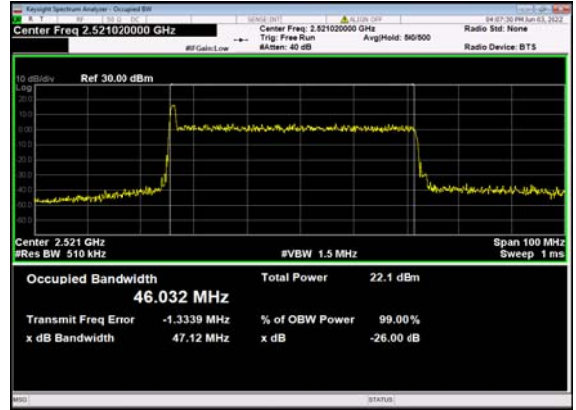




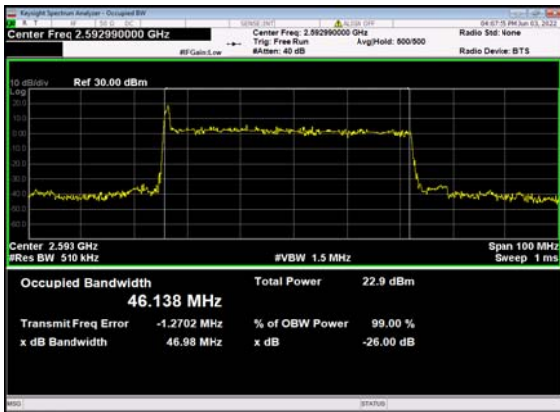
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QAM\_Outer\_Full\_Low\_CH



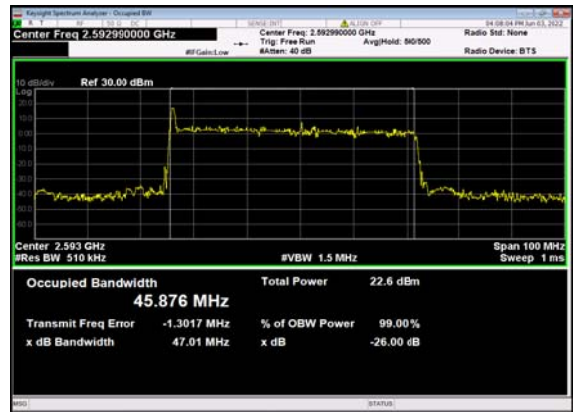
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Outer\_Full\_Low\_CH



n41(50M)\_DFT-s-OFDM\_PI\_2-BPSK\_  
Outer\_Full\_Mid\_CH



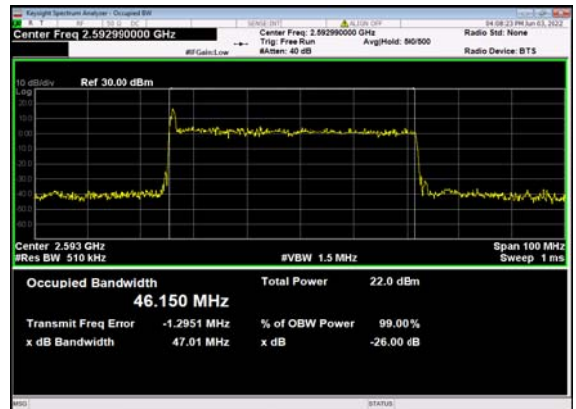
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Outer\_Full\_Mid\_CH



n41(50M)\_DFT-s-OFDM\_16 QAM\_  
Outer\_Full\_Mid\_CH

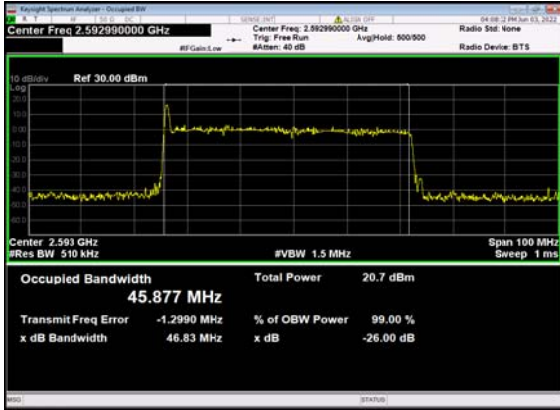


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QAM\_Outer\_Full\_Mid\_CH

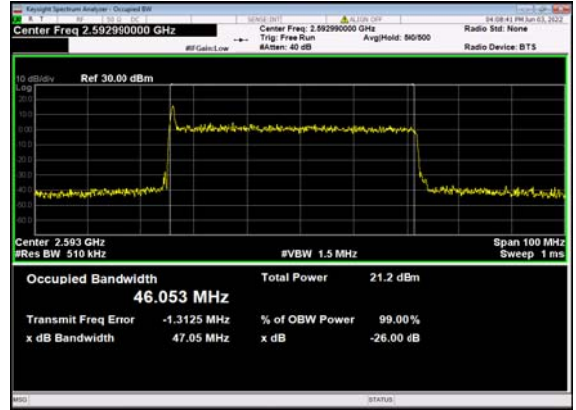




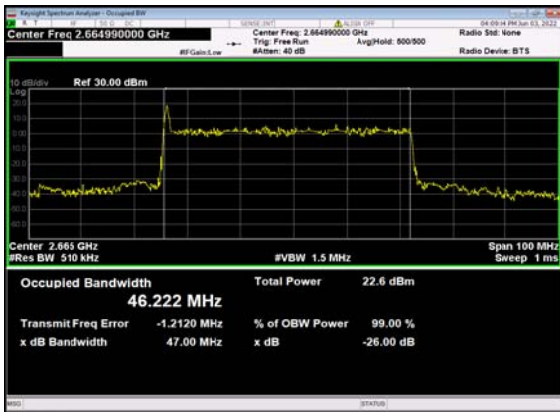
n41(50M)\_DFT-s-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



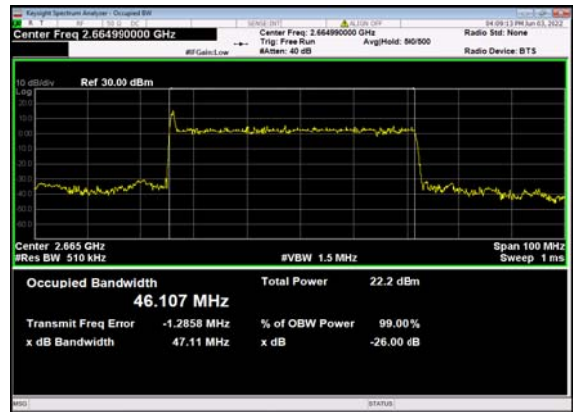
n41(50M)\_CP-OFDM\_QPSK\_  
Outer\_Full\_Mid\_CH



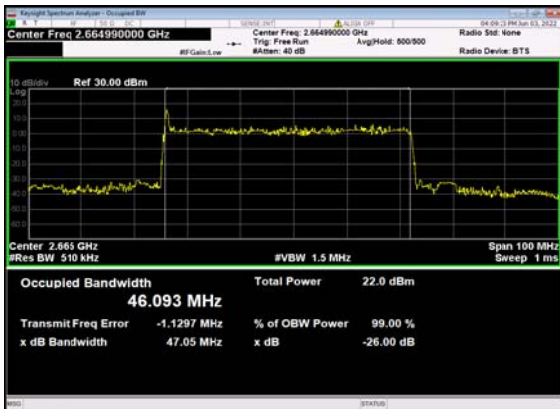
n41(50M)\_DFT-s-OFDM\_PI\_2-BPSK\_  
Outer\_Full\_High\_CH



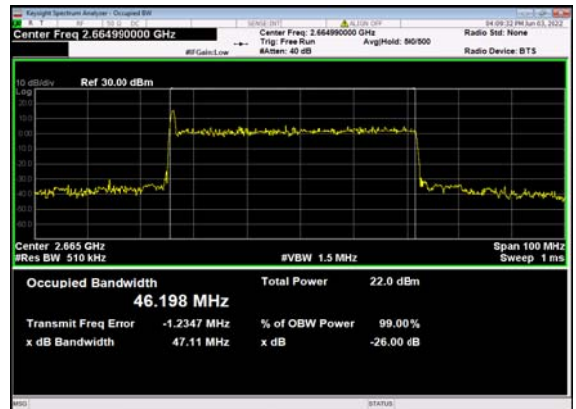
n41(50M)\_DFT-s-OFDM\_QPSK\_  
Outer\_Full\_High\_CH



n41(50M)\_DFT-s-OFDM\_16 QAM\_  
Outer\_Full\_High\_CH

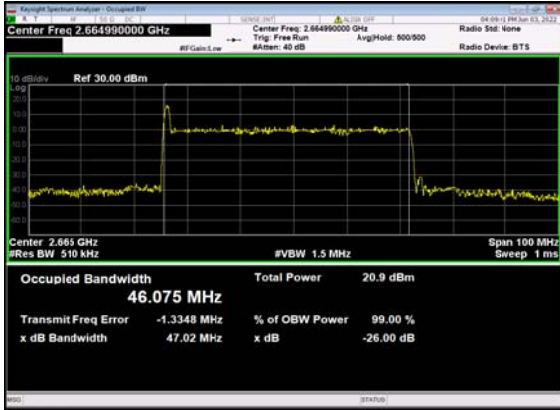


n41(50M)\_DFT-s-OFDM\_64  
QAM\_Outer\_Full\_High\_CH

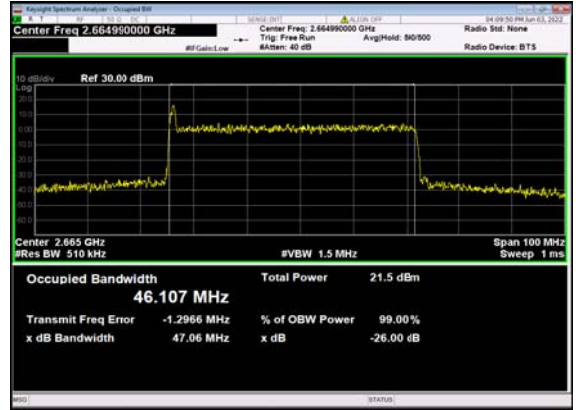




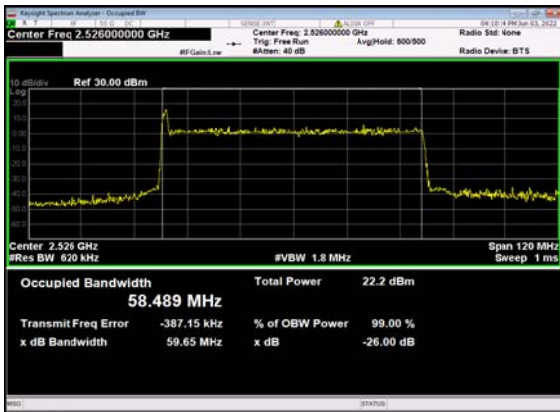
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QAM\_Outer\_Full\_High\_CH



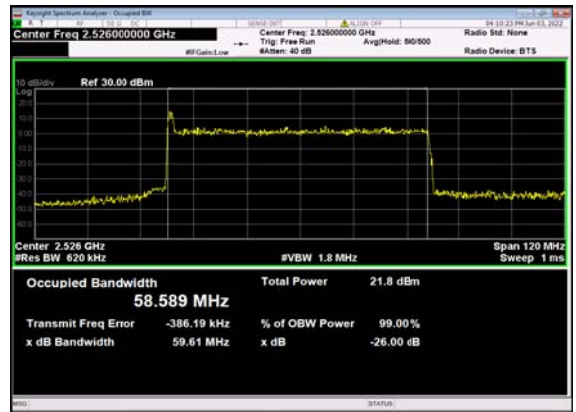
n41(50M)\_CP-OFDM\_QPSK\_  
Outer\_Full\_High\_CH



n41(60M)\_DFT-s-OFDM\_PI\_2-BPSK\_  
Outer\_Full\_Low\_CH



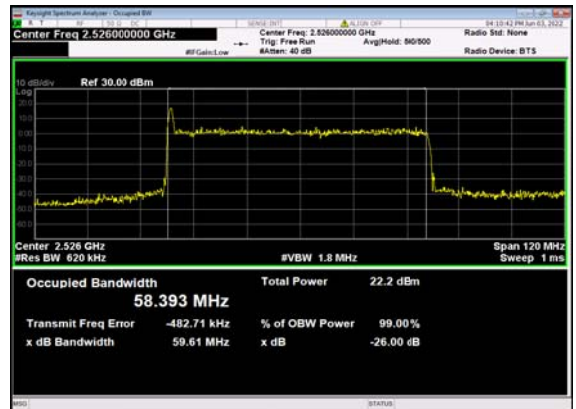
n41(60M)\_DFT-s-OFDM\_QPSK\_  
Outer\_Full\_Low\_CH



n41(60M)\_DFT-s-OFDM\_16 QAM\_  
Outer\_Full\_Low\_CH

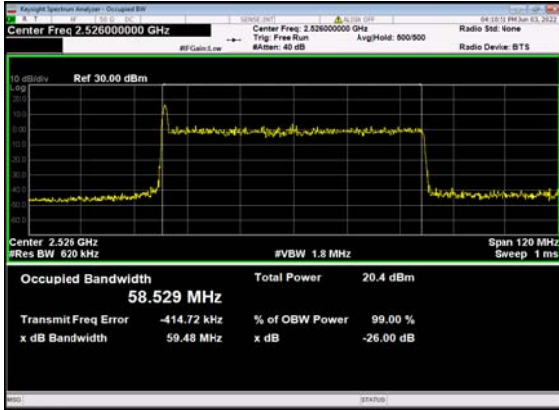


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QAM\_Outer\_Full\_Low\_CH

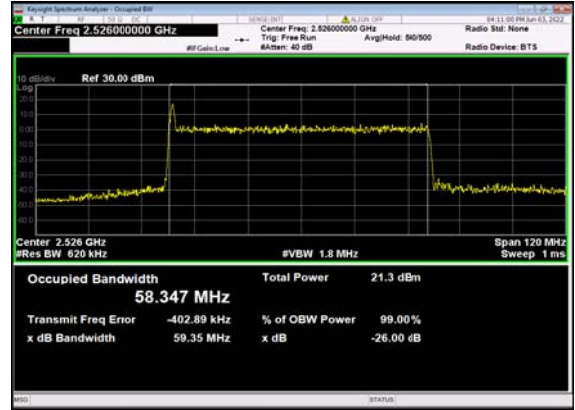




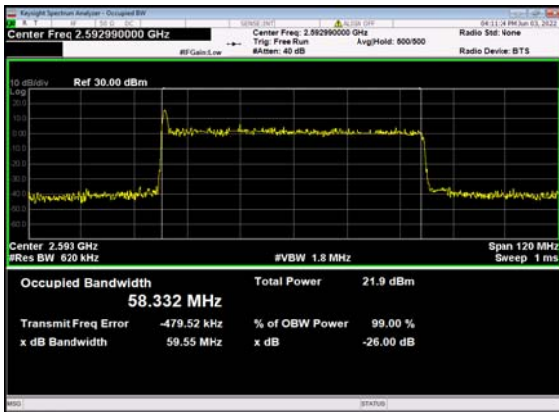
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QAM\_Outer\_Full\_Low\_CH



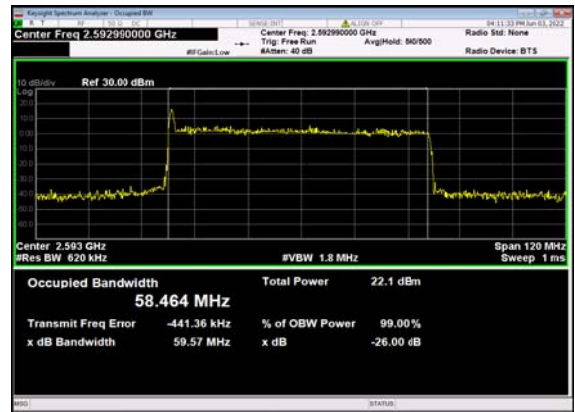
n41(60M)\_CP-OFDM\_QPSK\_  
Outer\_Full\_Low\_CH



n41(60M)\_DFT-s-OFDM\_PI\_2-BPSK\_  
Outer\_Full\_Mid\_CH



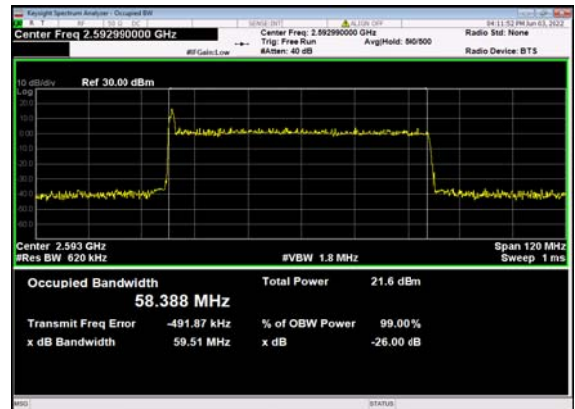
n41(60M)\_DFT-s-OFDM\_QPSK\_  
Outer\_Full\_Mid\_CH



n41(60M)\_DFT-s-OFDM\_16 QAM\_  
Outer\_Full\_Mid\_CH



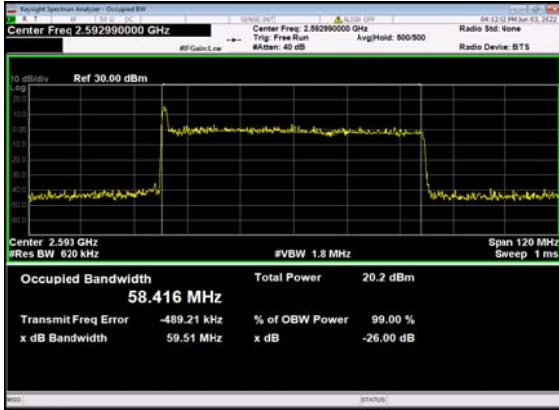
n41(60M)\_DFT-s-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



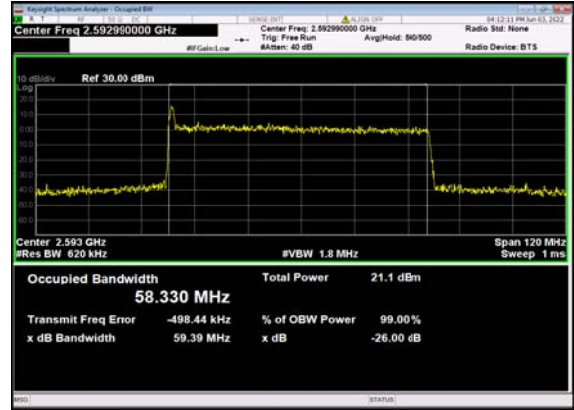




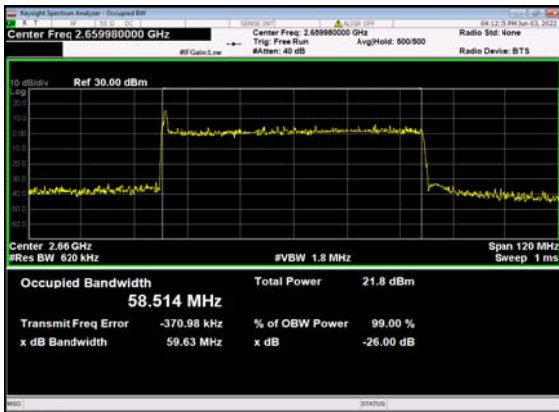
n41(60M)\_DFT-s-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



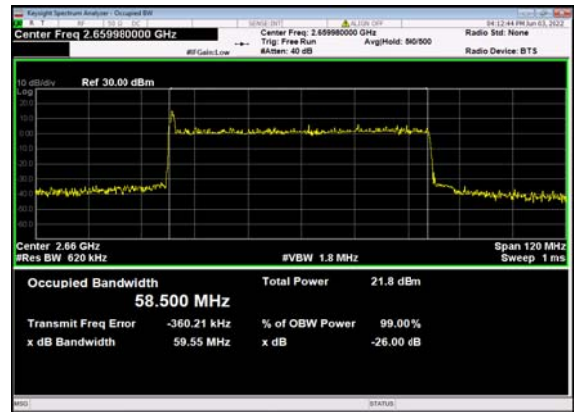
n41(60M)\_CP-OFDM\_QPSK\_  
Outer\_Full\_Mid\_CH



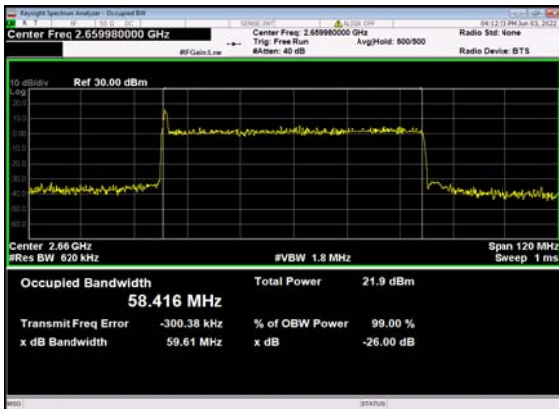
n41(60M)\_DFT-s-OFDM\_PI\_2-BPSK\_  
Outer\_Full\_High\_CH



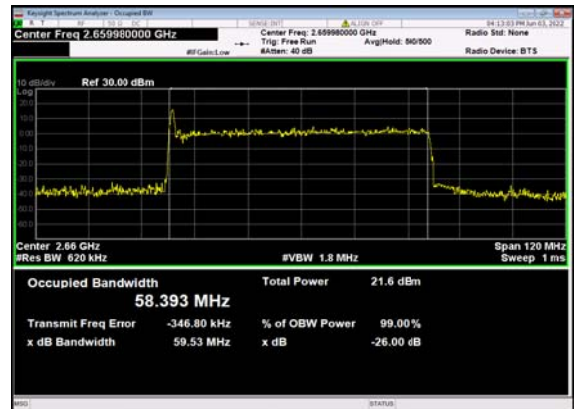
n41(60M)\_DFT-s-OFDM\_QPSK\_  
Outer\_Full\_High\_CH



n41(60M)\_DFT-s-OFDM\_16 QAM\_  
Outer\_Full\_High\_CH

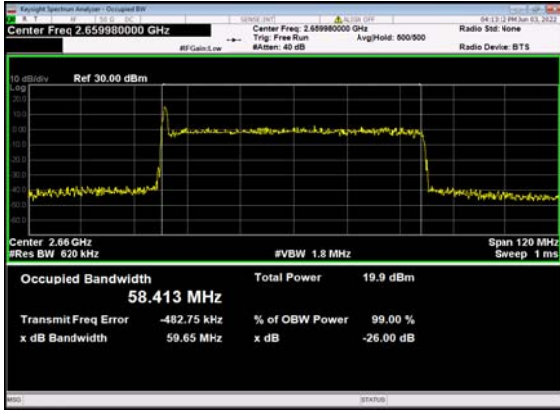


n41(60M)\_DFT-s-OFDM\_64  
QAM\_Outer\_Full\_High\_CH

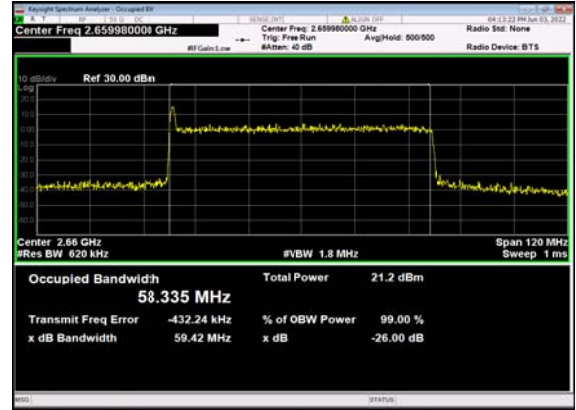




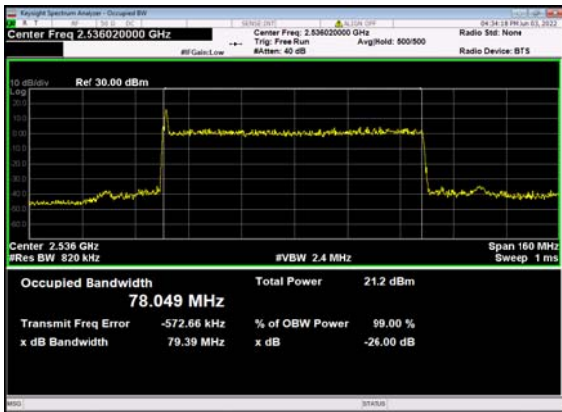
n41(60M)\_DFT-s-OFDM\_256  
QAM\_Outer\_Full\_High\_CH



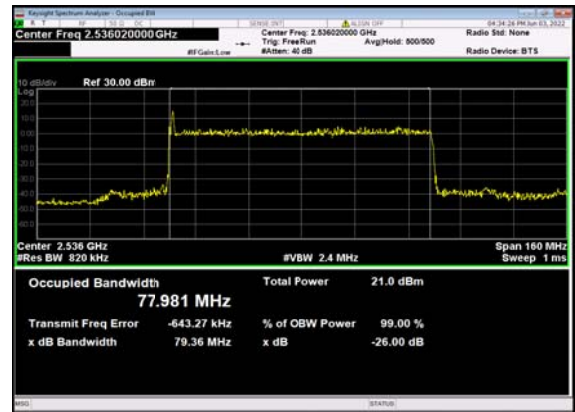
n41(60M)\_CP-OFDM\_QPSK\_  
Outer\_Full\_High\_CH



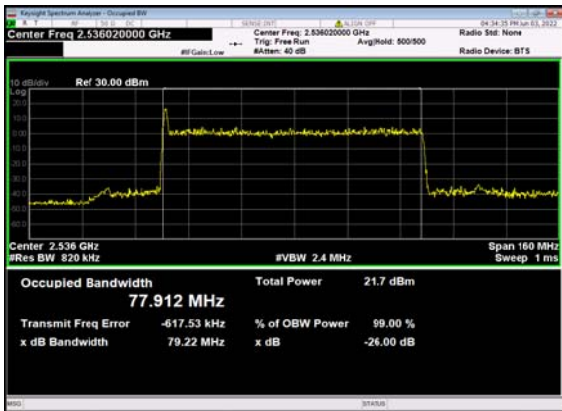
n41(80M)\_DFT-s-OFDM\_PI\_2-BPSK\_  
Outer\_Full\_Low\_CH



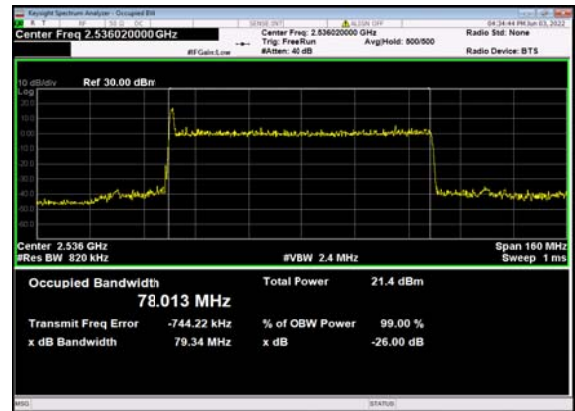
n41(80M)\_DFT-s-OFDM\_QPSK\_  
Outer\_Full\_Low\_CH



n41(80M)\_DFT-s-OFDM\_16  
QAM\_Outer\_Full\_Low\_CH

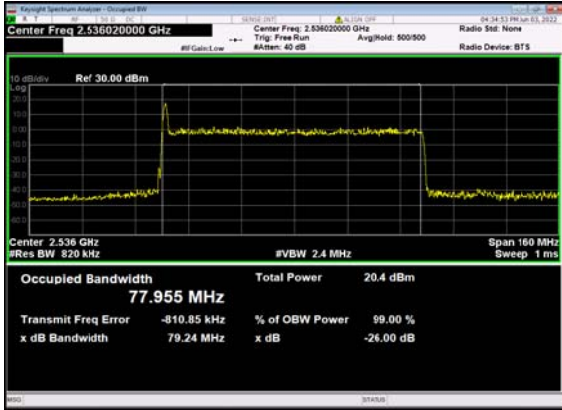


n41(80M)\_DFT-s-OFDM\_64  
QAM\_Outer\_Full\_Low\_CH

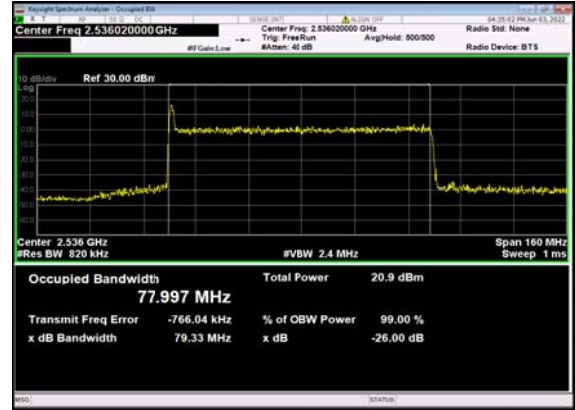




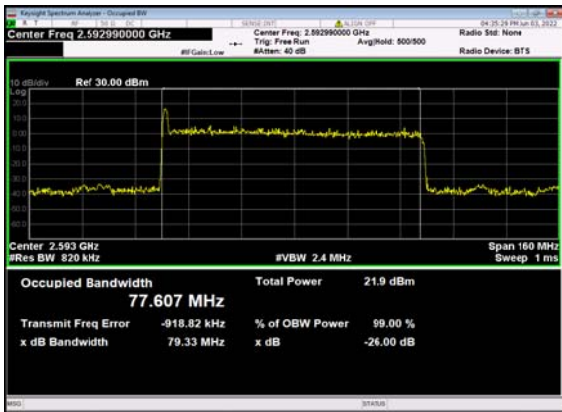
n41(80M)\_DFT-s-OFDM\_256  
QAM\_Outer\_Full\_Low\_CH



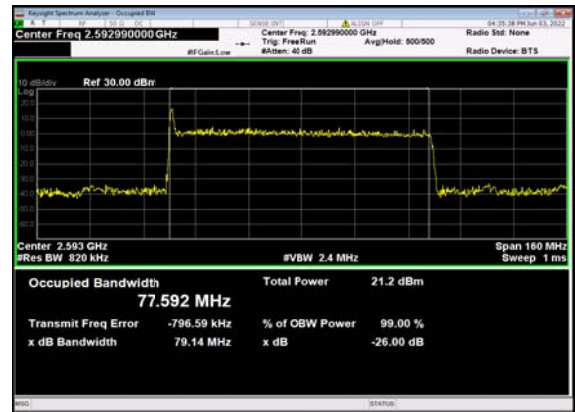
n41(80M)\_CP-OFDM\_QPSK\_  
Outer\_Full\_Low\_CH



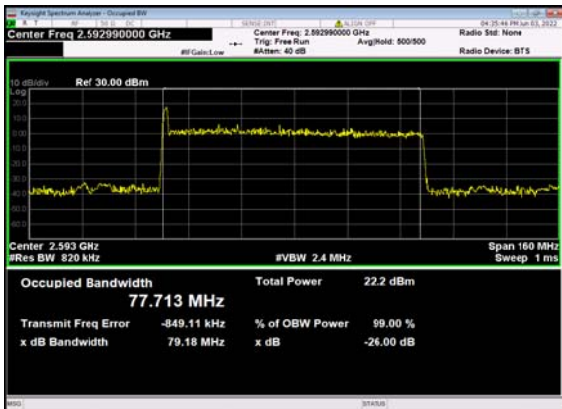
n41(80M)\_DFT-s-OFDM\_PI\_2-BPSK\_  
Outer\_Full\_Mid\_CH



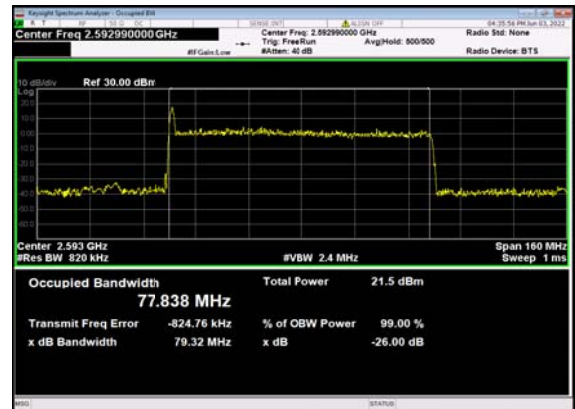
n41(80M)\_DFT-s-OFDM\_QPSK\_  
Outer\_Full\_Mid\_CH



n41(80M)\_DFT-s-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH

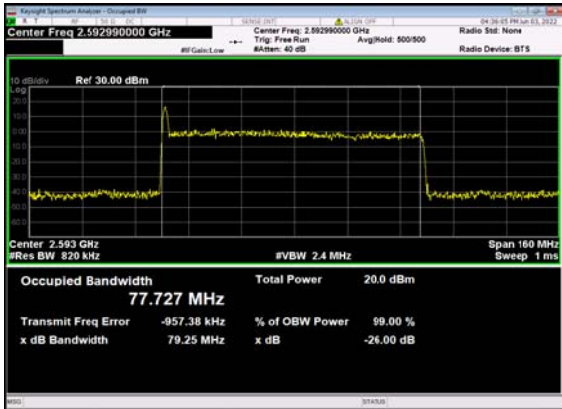


n41(80M)\_DFT-s-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH

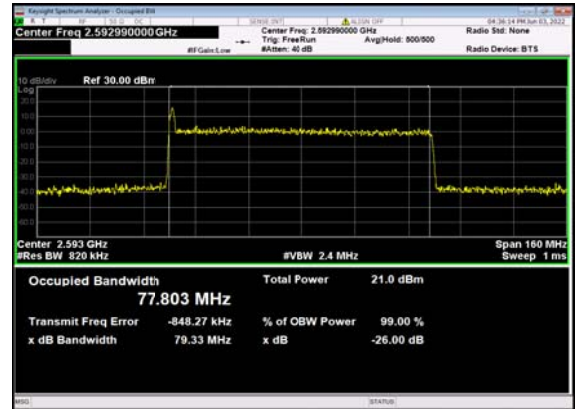




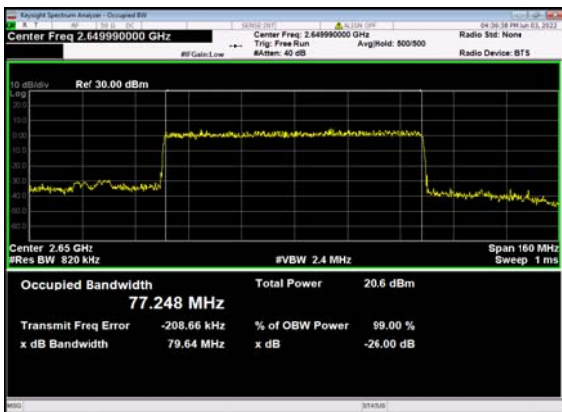
n41(80M)\_DFT-s-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



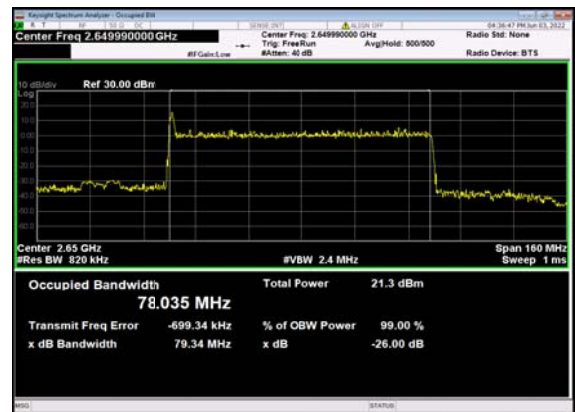
n41(80M)\_CP-OFDM\_QPSK\_  
Outer\_Full\_Mid\_CH



n41(80M)\_DFT-s-OFDM\_PI\_2-BPSK\_  
Outer\_Full\_High\_CH



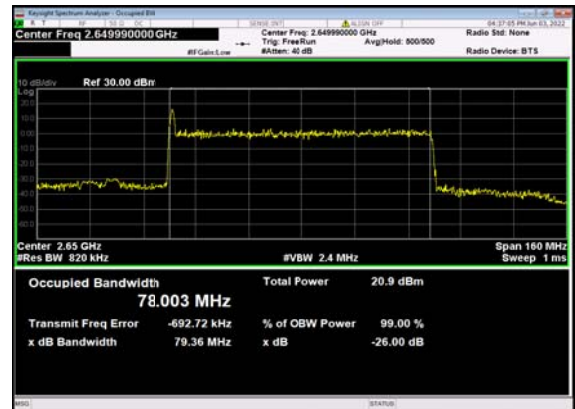
n41(80M)\_DFT-s-OFDM\_QPSK\_  
Outer\_Full\_High\_CH



n41(80M)\_DFT-s-OFDM\_16  
QAM\_Outer\_Full\_High\_CH



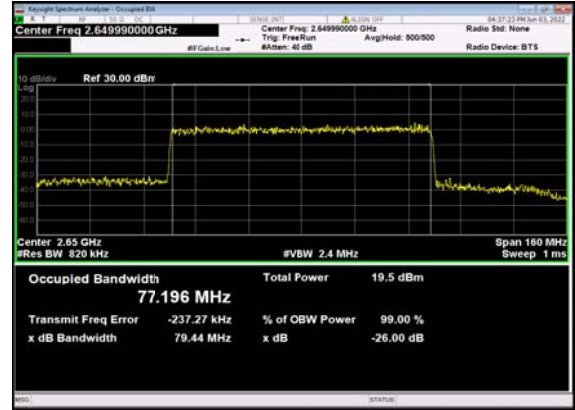
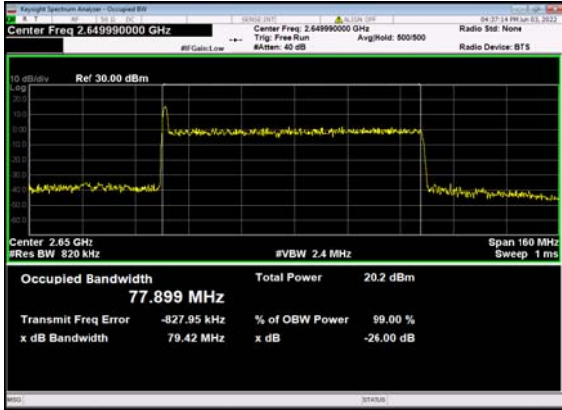
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QAM\_Outer\_Full\_High\_CH





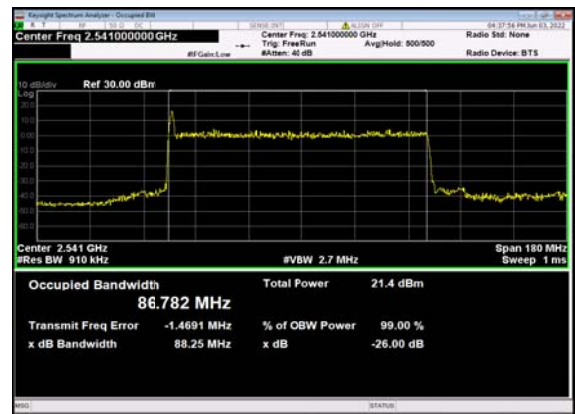
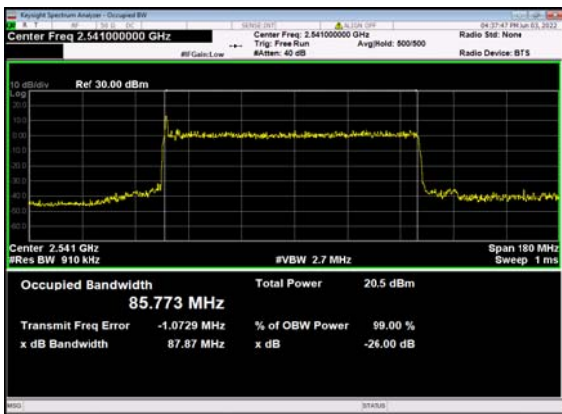
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QAM\_Outer\_Full\_High\_CH

n41(80M)\_CP-OFDM\_QPSK\_  
Outer\_Full\_High\_CH



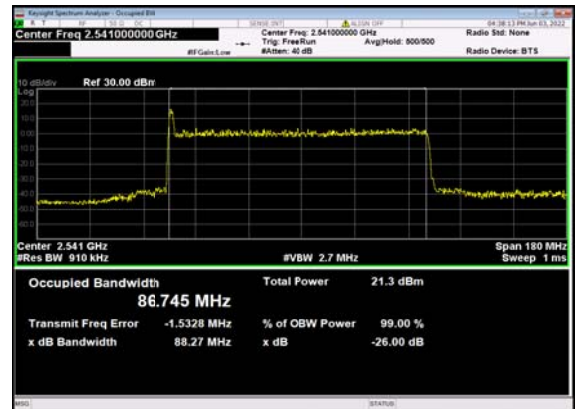
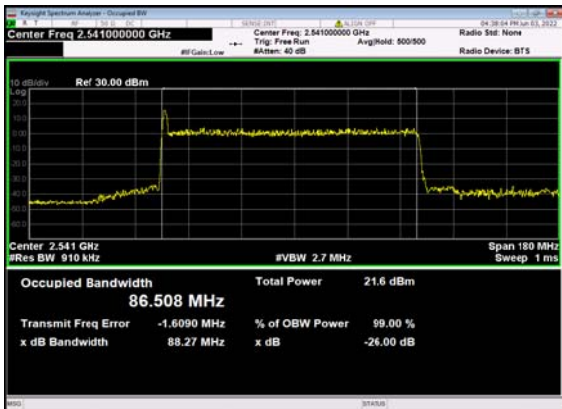
n41(90M)\_DFT-s-OFDM\_PI\_2-BPSK\_  
Outer\_Full\_Low\_CH

n41(90M)\_DFT-s-OFDM\_QPSK\_  
Outer\_Full\_Low\_CH



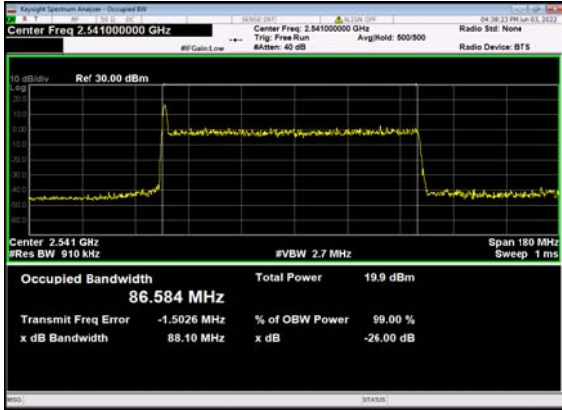
n41(90M)\_DFT-s-OFDM\_16  
QAM\_Outer\_Full\_Low\_CH

n41(90M)\_DFT-s-OFDM\_64  
QAM\_Outer\_Full\_Low\_CH

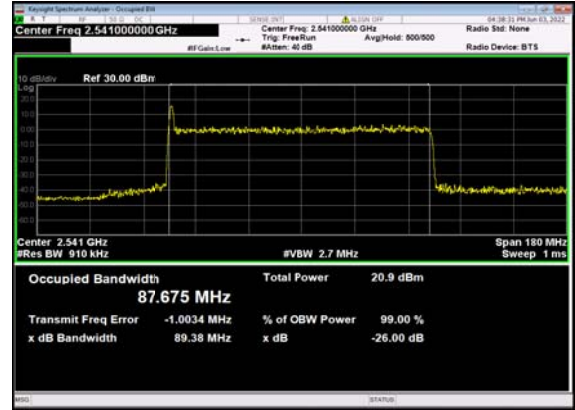




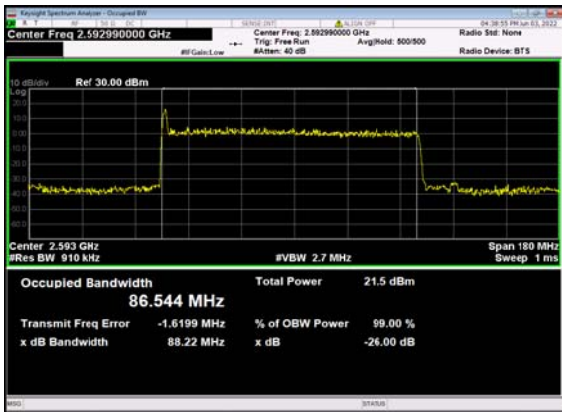
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QAM\_Outer\_Full\_Low\_CH



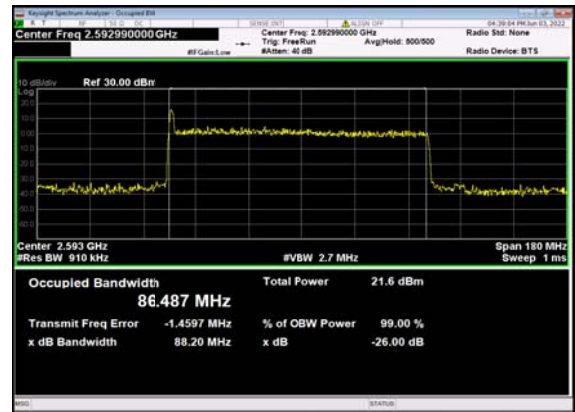
n41(90M)\_CP-OFDM\_QPSK\_  
Outer\_Full\_Low\_CH



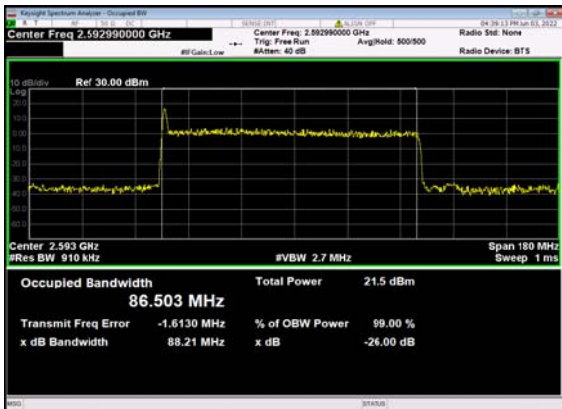
n41(90M)\_DFT-s-OFDM\_PI\_2-BPSK\_  
Outer\_Full\_Mid\_CH



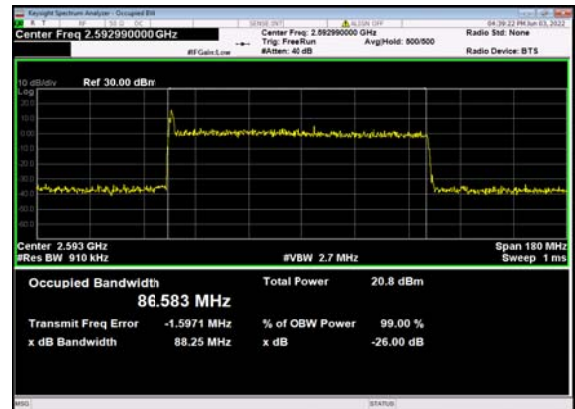
n41(90M)\_DFT-s-OFDM\_QPSK\_  
Outer\_Full\_Mid\_CH



n41(90M)\_DFT-s-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH

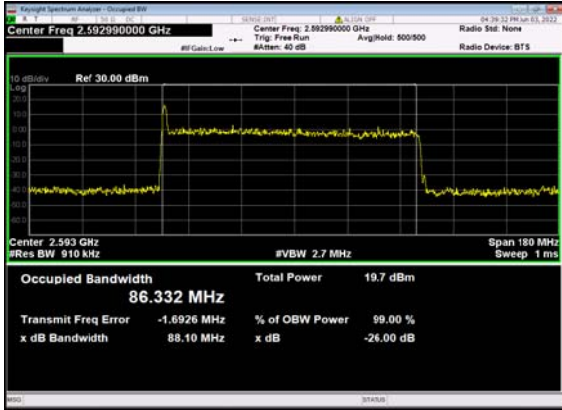


n41(90M)\_DFT-s-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH

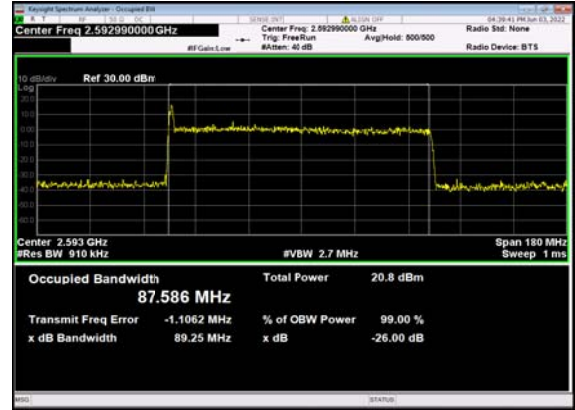




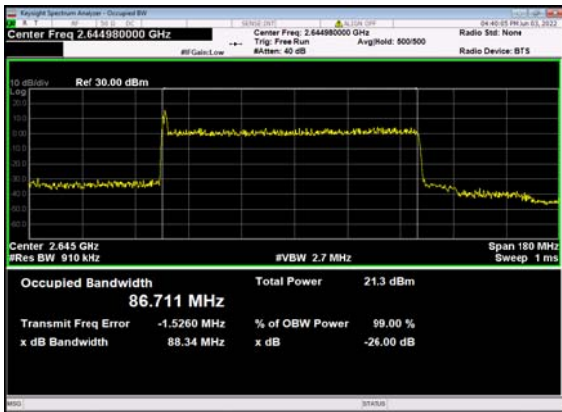
n41(90M)\_DFT-s-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



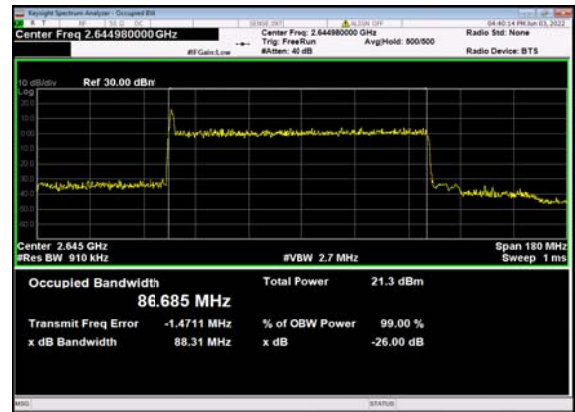
n41(90M)\_CP-OFDM\_QPSK\_  
Outer\_Full\_Mid\_CH



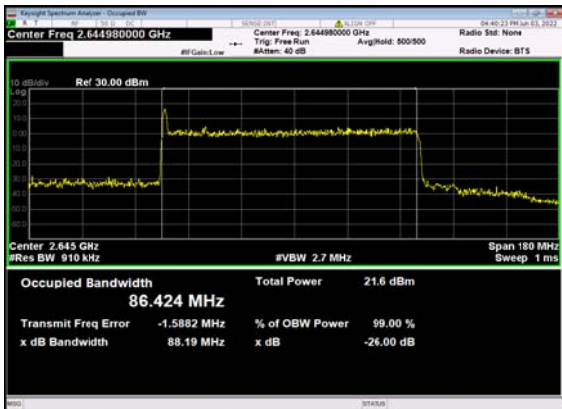
n41(90M)\_DFT-s-OFDM\_PI\_2-BPSK\_  
Outer\_Full\_High\_CH



n41(90M)\_DFT-s-OFDM\_QPSK\_  
Outer\_Full\_High\_CH



n41(90M)\_DFT-s-OFDM\_16  
QAM\_Outer\_Full\_High\_CH



n41(90M)\_DFT-s-OFDM\_64  
QAM\_Outer\_Full\_High\_CH

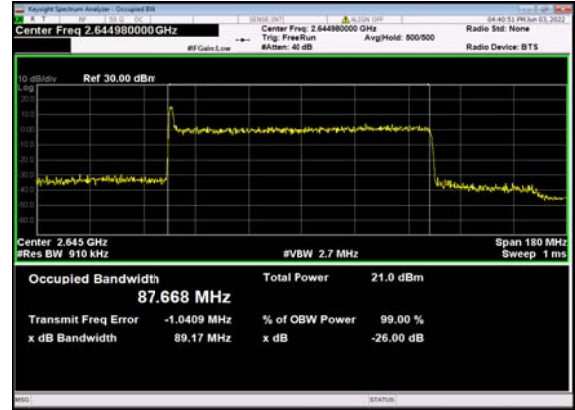
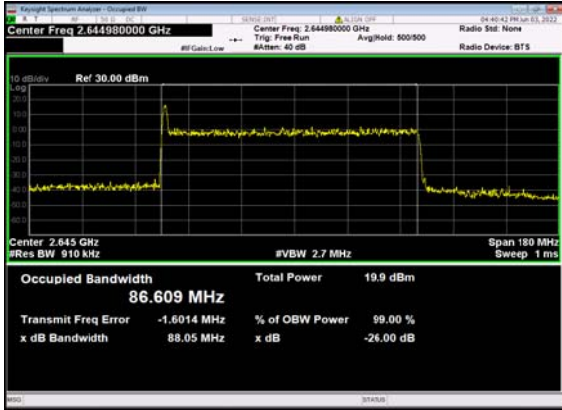




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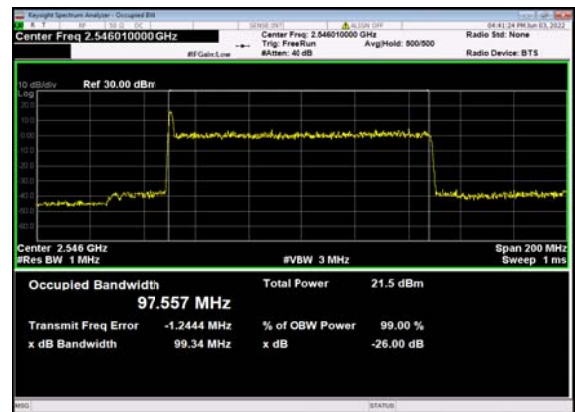
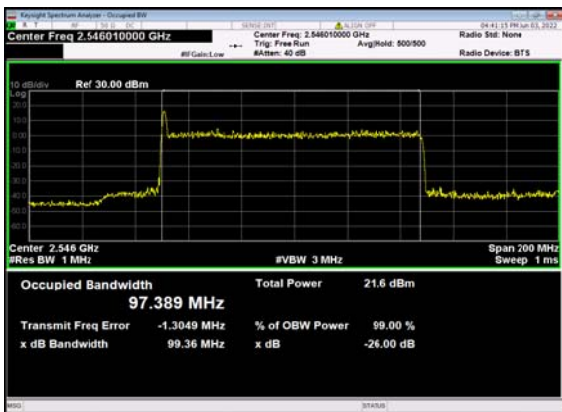
n41(90M)\_DFT-s-OFDM\_256  
QAM\_Outer\_Full\_High\_CH

n41(90M)\_CP-OFDM\_QPSK\_  
Outer\_Full\_High\_CH



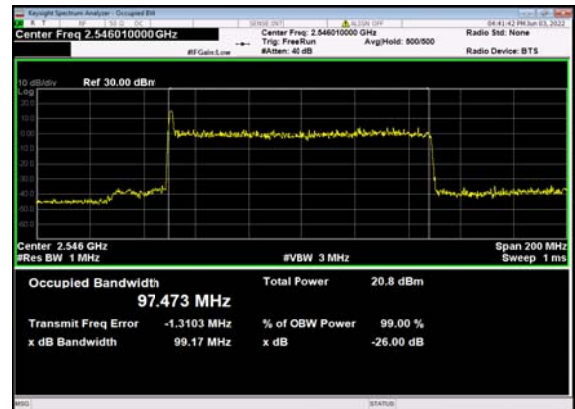
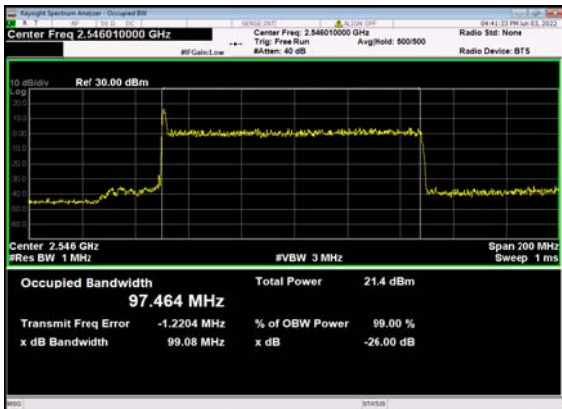
n41(100M)\_DFT-s-OFDM\_PI\_2-BPSK\_  
Outer\_Full\_Low\_CH

n41(100M)\_DFT-s-OFDM\_QPSK\_  
Outer\_Full\_Low\_CH



n41(100M)\_DFT-s-OFDM\_16  
QAM\_Outer\_Full\_Low\_CH

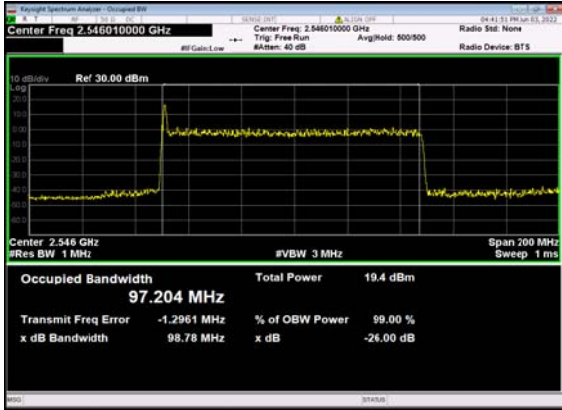
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QAM\_Outer\_Full\_Low\_CH



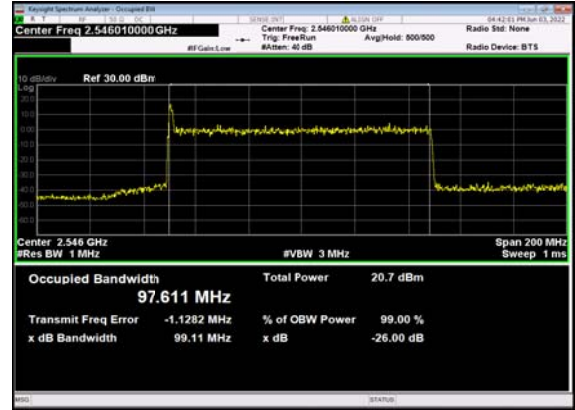




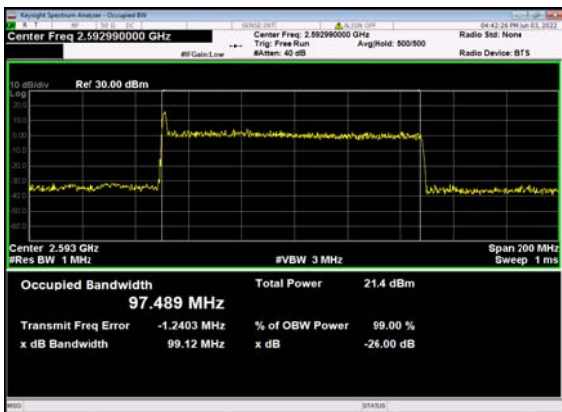
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QAM\_Outer\_Full\_Low\_CH



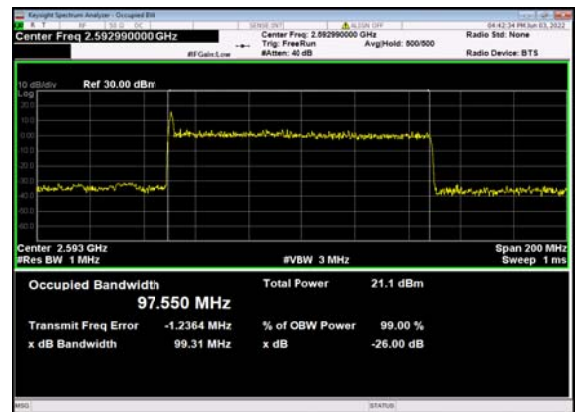
n41(100M)\_CP-OFDM\_QPSK\_  
Outer\_Full\_Low\_CH



n41(100M)\_DFT-s-OFDM\_PI\_2-BPSK\_  
Outer\_Full\_Mid\_CH



n41(100M)\_DFT-s-OFDM\_QPSK\_  
Outer\_Full\_Mid\_CH



n41(100M)\_DFT-s-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



n41(100M)\_DFT-s-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH

