REPORT No.: SZ21100132W10

TEST REPORT

APPLICANT	:	Reliance Communications LLC
PRODUCT NAME	:	Orbic Tab10R 5G
MODEL NAME	:	R10L5TR
BRAND NAME	:	Orbic
FCC ID	:	2ABGH-R10L5TR
STANDARD(S)	:	47 CFR Part 22, Subpart H 47 CFR Part 24, Subpart E 47 CFR Part 27, Subpart L
RECEIPT DATE	:	2021-07-08
TEST DATE	:	2021-07-08 to 2022-01-24
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Edited by: Chenhaiju
Chen Haiju (Rapporteur)

Approved by: Shen Junsheng
Shen Junsheng (Supervisor)

MORLAB
Shenzhen Morlab Communication Technology Co., Ltd.
FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road,
Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China
Tel: 86-755-36698555 Fax: 86-755-36698525
Http://www.morlab.cn E-mail: service@morlab.cn

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Change History		
Version	Date	Reason for change
1.0	2022-01-31	First edition

1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Reliance Communications LLC
Applicant Address:	91 Colin Drive, Unit 1, HOLBROOK, New York 11741, United States
Manufacturer:	ZJY RIGHT SOURCE INDIA PRIVATE LIMITED
Manufacturer Address:	MIDC industrial Area, Shiravane, Nerul,India

1.2. Equipment Under Test (EUT) Description

Product Name:	Orbic Tab10R 5G	
Hardware Version:	V1.1	
Software Version:	ORB10L5TR_v1.0.5_BVZ	
IMEI:	354753170000687	
Modulation Type:	DFT-s-OFDM	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM
	CP-OFDM	QPSK, 16QAM, 64QAM, 256QAM
Operation Band:	N2, N5 N66	
Frequency Range:	N2	Tx: 1850MHz-1910MHz
		Rx: 1930MHz-1990MHz
	N5	Tx: 824MHz-849MHz
		Rx: 869MHz-894MHz
	N66	Tx: 1710MHz-1780MHz
		Rx: 2110MHz-2200MHz
Channel Bandwidth	N2	5MHz, 10MHz, 15MHz, 20MHz
	N5	5MHz, 10MHz, 15MHz, 20MHz
	N66	5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	Fixed Internal antenna	
Antenna Gain:	N2	-2.00 dBi
	N5	-0.90 dBi
	N66	-2.10 dBi
Accessory Information:	AC Adapter 1	
	Brand Name:	Orbic

	Model No.:	BLJ-QC06HU
	Serial No.:	(N/A, marked #1 by test site)
	Rated Input:	100-240V~ 50/60HZ,0.5A
	Rated Output:	5/9/12V⎓3/2/1.5A
	Manufacturer	Zhongshan Baolijin Electronic Co., Ltd.
	Manufacturer Address	Baolijin Industrial Park, Jinfeng Road, NO. 6 Industrial Area, Nanlang Town, Zhongshan, P.R. China
	Battery	
	Brand Name:	Orbic
	Model No.:	BTE-6001
	Serial No.:	(N/A, marked #1 by test site)
	Capacity:	6000mAh
	Rated Voltage:	3.85V
	Charge Limit:	4.4V
	Manufacturer:	HUIZHOU DXDRAGON INC
	Manufacturer Address	Room 1901-1904,TongFang Information Port,No.448 Zhongkai Avenue,HZZK Hi-tech.Industrial Development Zone,Huizhou City,Guangdong P.R.China

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

N2	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
20	0.151	0.159	0.092	0.074	0.062	0.130
15	0.144	/	/	/	/	/
10	0.149	/	/	/	/	/
5	0.150	/	/	/	/	/

N2	Emission Designator (99%OBW)					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
20	18M1G7D	18M2G7D	18M2W7D	18M2D7W	18M2D7W	18M2G7D
15	13M6G7D	13M6G7D	13M7W7D	13M6D7W	13M7D7W	13M7G7D
10	9M09G7D	9M07G7D	9M08W7D	9M07D7W	9M01D7W	9M41G7D
5	4M48G7D	4M52G7D	4M53W7D	4M51D7W	4M52D7W	4M50G7D

N5	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
20	0.111	0.112	0.100	0.088	0.057	0.096
15	0.106	/	/	/	/	/
10	0.099	/	/	/	/	/
5	0.106	/	/	/	/	/

N5	Emission Designator (99%OBW)					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
20	18M1G7D	18M1G7D	18M1W7D	18M1D7W	18M1D7W	19M1G7D
15	13M6G7D	13M6G7D	13M6W7D	13M6D7W	13M6D7W	14M3G7D
10	9M09G7D	9M09G7D	9M06W7D	9M08D7W	9M01D7W	9M42G7D
5	4M52G7D	4M51G7D	4M53W7D	4M51D7W	4M52D7W	4M52G7D

N66	Maximum ERP/EIRP（W）					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
20	0.140	0.144	0.143	0.095	0.060	0.124
15	0.136	/	/	/	/	/
10	0.138	/	/	/	/	/
5	0.136	/	/	/	/	/

N66	Emission Designator (99%OBW)					
	DFT-s-OFDM					CP-OFDM
BW(MHz)	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	QPSK
20	18M2G7D	18M2G7D	18M3W7D	18M2D7W	18M3D7W	19M3G7D
15	13M7G7D	13M7G7D	13M7W7D	13M7D7W	13M7D7W	14M3G7D
10	9M08G7D	9M08G7D	9M09W7D	9M09D7W	9M07D7W	9M08G7D
5	4M51G7D	4M51G7D	4M53W7D	4M51D7W	4M51D7W	4M51G7D

1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24, Part 27 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 22	Public Mobile Services
3	47 CFR Part 24	Personal Communications Services
4	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 24.232(c) 22.913(a)(5) 27.50(d)(4)	Transmitter Conducted Output Power and ERP/EIRP	Jul. 8 to 19, 2021	Chen Haiju Yin Xiaogang	PASS	No deviation
2.1049	Occupied Bandwidth	Aug. 12 to 19, 2021	Li Hanbin	PASS	No deviation
2.1055 22.355 27.54	Frequency Stability	Jul. 22 to 30, 2021	Li Hanbin	PASS	No deviation
24.232(d) 27.50(d)(5)	Peak to Average Radio	Aug. 4 to 9, 2021	Li Hanbin	PASS	No deviation
2.1051, 24.238(a) 22.917(a) 27.53(h)	Conducted Spurious Emissions	Aug. 24 to Sept.1, 2021	Li Hanbin	PASS	No deviation
2.1051 24.238(b) 22.917(a) 27.53(h)	Band Edge	Sept. 6 to.18, 2021	Li Hanbin	PASS	No deviation
2.1051, 24.238(a) 22.917(a) 27.53(h)	Radiated Spurious Emissions	Aug. 24 to Sept.1, 2021	Lin Jiayong	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 26.5dB contains two parts that cable loss 16.5dB and Attenuator 10dB.					

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 22H, Part 24E Part 27L Requirements

2.1. Transmitter Conducted Output Power And ERP/EIRP

2.1.1. Requirement

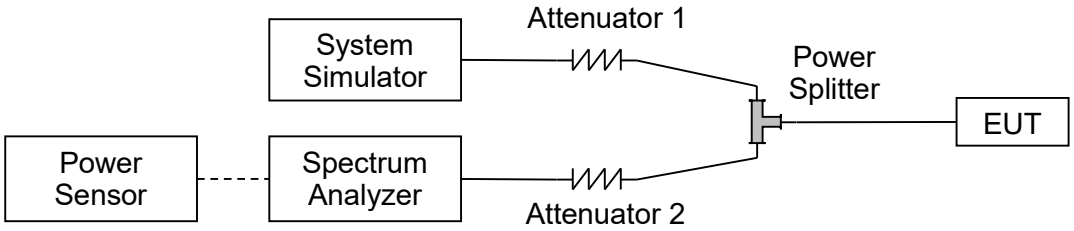
According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current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

According to FCC section 24.232(c), for N2, Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

According to FCC section 22.913(a)(5), for N5,Mobile and other user stations. The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (d)(4), for N66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.1755-1780 MHz bands 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.

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 (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)
ERP (dBm) = EIPR (dBm) - 2.15

2.1.4. Conducted Output Power:

N2

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				372000	376000	380000
Frequency (MHz)				1860.00	1880	1900
20	DFT-s-OFDM PI/2 BPSK	1	1	23.54	23.45	23.27
20		1	53	23.58	23.33	22.71
20		1	104	23.61	23.18	23.26
20		50	1	23.72	23.51	22.73
20		50	25	23.68	23.48	23.68
20		50	50	23.66	23.68	23.78
20		100	0	23.18	23.26	23.76
20	DFT-s-OFDM QPSK	1	1	23.74	24.01	23.82
20		1	53	23.69	23.77	23.19
20		1	104	23.64	23.65	23.37
20		50	1	23.50	23.58	23.47
20		50	25	23.49	23.27	23.42
20		50	50	23.24	23.47	23.33
20		100	0	23.11	23.29	23.25
20	DFT-s-OFDM 16QAM	1	1	20.83	20.99	21.66
20	DFT-s-OFDM 64QAM	1	1	20.06	20.08	20.68
20	DFT-s-OFDM 256QAM	1	1	19.02	19.89	19.67
Channel				371500	376000	380500
Frequency (MHz)				1857.50	1880	1902.5
15	DFT-s-OFDM	1	1	23.51	23.53	23.59

	PI/2 BPSK					
Channel				371000	376000	381000
Frequency (MHz)				1855.00	1880	1905
10	DFT-s-OFDM PI/2 BPSK	1	1	23.71	23.56	23.72
Channel				370500	376000	381500
Frequency (MHz)				1852.50	1880	1907.5
5	DFT-s-OFDM PI/2 BPSK	1	1	23.76	23.53	23.72
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				372000	376000	380000
Frequency (MHz)				1860.00	1880	1900
20	CP-OFDM QPSK	1	1	23.11	22.92	23.13
20	CP-OFDM 16QAM	1	1	22.94	22.69	22.83
20	CP-OFDM 64QAM	1	1	20.99	20.52	20.85
20	CP-OFDM 256QAM	1	1	18.01	17.79	17.96

N5

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				166800	167300	167800
Frequency (MHz)				834	836.5	839
20	DFT-s-OFDM PI/2 BPSK	1	1	22.79	22.73	22.69
20		1	53	22.54	22.51	22.69
20		1	104	23.36	23.35	22.80
20		50	1	22.67	22.68	22.81
20		50	25	22.63	22.55	22.85
20		50	50	23.52	23.45	23.02
20		100	0	22.65	22.61	22.77
20	DFT-s-OFDM QPSK	1	1	23.40	23.53	23.44
20		1	53	23.27	23.25	23.34
20		1	104	23.34	23.10	23.11
20		50	1	22.57	22.66	22.60
20		50	25	22.50	22.60	22.47
20		50	50	22.25	22.42	22.48
20		100	0	22.38	22.40	22.38
20	DFT-s-OFDM 16QAM	1	1	22.95	22.62	23.05
20	DFT-s-OFDM 64QAM	1	1	22.36	22.48	22.28
20	DFT-s-OFDM 256QAM	1	1	20.61	20.44	20.51
Channel				166300	167300	168300
Frequency (MHz)				831.5	836.5	841.5
15	DFT-s-OFDM PI/2 BPSK	1	1	23.31	23.15	22.98
Channel				165800	167300	168800
Frequency (MHz)				829	836.5	844
10	DFT-s-OFDM PI/2 BPSK	1	1	22.62	22.58	23.02
Channel				165300	167300	169300
Frequency (MHz)				826.5	836.5	846.5
5	DFT-s-OFDM PI/2 BPSK	1	1	23.29	23.17	22.83

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				166800	167300	167800
Frequency (MHz)				834	836.5	839
20	CP-OFDM QPSK	1	1	22.81	22.81	22.89
20	CP-OFDM 16QAM	1	1	23.27	23.04	22.93
20	CP-OFDM 64QAM	1	1	21.34	21.35	21.42
20	CP-OFDM 256QAM	1	1	18.72	18.65	18.77

N66

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				344000	349000	354000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM PI/2 BPSK	1	1	23.29	23.34	23.47
20		1	53	23.26	23.46	23.41
20		1	104	23.36	23.47	23.56
20		50	1	23.00	23.02	23.06
20		50	25	23.05	23.05	23.01
20		50	50	22.13	23.52	23.02
20		100	0	23.01	23.00	23.07
20	DFT-s-OFDM QPSK	1	1	23.50	23.68	23.58
20		1	53	23.45	23.50	23.52
20		1	104	23.32	23.41	23.44
20		50	1	23.01	23.04	23.00
20		50	25	22.84	22.96	22.93
20		50	50	22.88	23.56	22.93
20		100	0	22.76	22.88	22.74
20	DFT-s-OFDM 16QAM	1	1	23.52	23.61	23.66
20	DFT-s-OFDM 64QAM	1	1	21.67	21.85	21.87
20	DFT-s-OFDM 256QAM	1	1	19.68	19.87	19.91
Channel				343500	349000	354500
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM PI/2 BPSK	1	1	23.33	23.43	23.38
Channel				343000	349000	355000
Frequency (MHz)				1715	1745	1775
10	DFT-s-OFDM PI/2 BPSK	1	1	23.49	23.50	23.42
Channel				342500	349000	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM PI/2 BPSK	1	1	23.38	23.45	23.45

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel
Channel				344000	349000	354000
Frequency (MHz)				1720	1745	1767.5
20	CP-OFDM QPSK	1	1	22.89	23.04	23.04
20	CP-OFDM 16QAM	1	1	22.55	22.68	22.75
20	CP-OFDM 64QAM	1	1	20.71	20.79	20.83
20	CP-OFDM 256QAM	1	1	17.76	18.06	18.10

Effective Radiated Power and Effective Isotropic Radiated Power:

N2				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	LowCh./ Freq.	MiddlCh ./Freq.	HighCh. / Freq.	LowCh. / EIRP	MiddleCh./EIRP	HighCh. / EIRP
Channel				372000	376000	380000	372000	376000	380000
Frequency (MHz)				1860.00	1880	1900	1860.00	1880	1900
				dBm			W		
20	DFT-s-OFDM PI/2 BPSK	1	1	21.54	21.45	21.27	0.143	0.140	0.134
20		1	39	21.58	21.33	20.71	0.144	0.136	0.118
20		1	77	21.61	21.18	21.26	0.145	0.131	0.134
20		36	1	21.72	21.51	20.73	0.149	0.142	0.118
20		36	18	21.68	21.48	21.68	0.147	0.141	0.147
20		36	36	21.66	21.68	21.78	0.147	0.147	0.151
20		75	0	21.18	21.26	21.76	0.131	0.134	0.150
20	DFT-s-OFDM QPSK	1	1	21.74	22.01	21.82	0.149	0.159	0.152
20		1	39	21.69	21.77	21.19	0.148	0.150	0.132
20		1	77	21.64	21.65	21.37	0.146	0.146	0.137
20		36	1	21.50	21.58	21.47	0.141	0.144	0.140
20		36	18	21.49	21.27	21.42	0.141	0.134	0.139
20		36	36	21.24	21.47	21.33	0.133	0.140	0.136
20		75	0	21.11	21.29	21.25	0.129	0.135	0.133
20	DFT-s-OFDM 16QAM	1	1	18.83	18.99	19.66	0.076	0.079	0.092
20	DFT-s-OFDM 64QAM	1	1	18.06	18.08	18.68	0.064	0.064	0.074
20	DFT-s-OFDM 256QAM	1	1	17.02	17.89	17.67	0.050	0.062	0.058
Channel				371500	376000	380500	371500	376000	380500
Frequency (MHz)				1857.50	1880	1902.5	1857.50	1880	1902.5
15	DFT-s-OFDM PI/2 BPSK	1	1	21.51	21.53	21.59	0.142	0.142	0.144
Channel				371000	376000	381000	371000	376000	381000
Frequency (MHz)				1855.00	1880	1905	1855.00	1880	1905
10	DFT-s-OFDM PI/2 BPSK	1	1	21.71	21.56	21.72	0.148	0.143	0.149
Channel				370500	376000	381500	370500	376000	381500
Frequency (MHz)				1852.50	1880	1907.5	1852.50	1880	1907.5

5	DFT-s-OFDM PI/2 BPSK	1	1	21.76	21.53	21.72	0.150	0.142	0.149
Channel				372000	376000	380000	372000	376000	380000
Frequency (MHz)				1860.00	1880	1900	1860.00	1880	1900
20	CP-OFDM QPSK	1	1	21.11	20.92	21.13	0.129	0.124	0.130
20	CP-OFDM 16QAM	1	1	20.94	20.69	20.83	0.124	0.117	0.121
20	CP-OFDM 64QAM	1	1	18.99	18.52	18.85	0.079	0.071	0.077
20	CP-OFDM 256QAM	1	1	16.01	15.79	15.96	0.040	0.038	0.039

N5				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	LowCh./ Freq.	MiddlCh ./Freq.	HighCh. / Freq.	LowCh. / EIRP	MiddleCh./EIRP	HighCh. / EIRP
Channel				166800	167300	167800	166800	167300	167800
Frequency (MHz)				834	836.5	839	834	836.5	839
				dBm			W		
20	DFT-s-OFDM PI/2 BPSK	1	1	19.74	19.68	19.64	0.094	0.093	0.092
20		1	39	19.49	19.46	19.64	0.089	0.088	0.092
20		1	77	20.31	20.30	19.75	0.107	0.107	0.094
20		36	1	19.62	19.63	19.76	0.092	0.092	0.095
20		36	18	19.58	19.50	19.80	0.091	0.089	0.095
20		36	36	20.47	20.40	19.97	0.111	0.110	0.099
20		75	0	19.60	19.56	19.72	0.091	0.090	0.094
20	DFT-s-OFDM QPSK	1	1	20.35	20.48	20.39	0.108	0.112	0.109
20		1	39	20.22	20.20	20.29	0.105	0.105	0.107
20		1	77	20.29	20.05	20.06	0.107	0.101	0.101
20		36	1	19.52	19.61	19.55	0.090	0.091	0.090
20		36	18	19.45	19.55	19.42	0.088	0.090	0.087
20		36	36	19.20	19.37	19.43	0.083	0.086	0.088
20		75	0	19.33	19.35	19.33	0.086	0.086	0.086
20	DFT-s-OFDM 16QAM	1	1	19.90	19.57	20.00	0.098	0.091	0.100
20	DFT-s-OFDM 64QAM	1	1	19.31	19.43	19.23	0.085	0.088	0.084
20	DFT-s-OFDM	1	1	17.56	17.39	17.46	0.057	0.055	0.056

	256QAM								
Channel				166300	167300	168300	166300	167300	168300
Frequency (MHz)				831.5	836.5	841.5	831.5	836.5	841.5
15	DFT-s-OFDM PI/2 BPSK	1	1	20.26	20.10	19.93	0.106	0.102	0.098
Channel				165800	167300	168800	165800	167300	168800
Frequency (MHz)				829	836.5	844	829	836.5	844
10	DFT-s-OFDM PI/2 BPSK	1	1	19.57	19.53	19.97	0.091	0.090	0.099
Channel				165300	167300	169300	165300	167300	169300
Frequency (MHz)				826.5	836.5	846.5	826.5	836.5	846.5
5	DFT-s-OFDM PI/2 BPSK	1	1	20.24	20.12	19.78	0.106	0.103	0.095
Channel				166800	167300	167800	166800	167300	167800
Frequency (MHz)				834	836.5	839	834	836.5	839
20	CP-OFDM QPSK	1	1	19.76	19.76	19.84	0.095	0.095	0.096
20	CP-OFDM 16QAM	1	1	20.22	19.99	19.88	0.105	0.100	0.097
20	CP-OFDM 64QAM	1	1	18.29	18.30	18.37	0.067	0.068	0.069
20	CP-OFDM 256QAM	1	1	15.67	15.60	15.72	0.037	0.036	0.037

N66				Measured EIRP					
BW [MHz]	Modulation	RB Size	RB Offset	LowCh./ Freq.	MiddlCh ./Freq.	HighCh. / Freq.	LowCh. / EIRP	MiddleCh ./EIRP	HighCh. / EIRP
Channel				344000	349000	354000	344000	349000	354000
Frequency (MHz)				1720	1745	1770	1720	1745	1770
				dBm			W		
20	DFT-s-OFDM PI/2 BPSK	1	1	21.19	21.24	21.37	0.132	0.133	0.137
20		1	39	21.16	21.36	21.31	0.131	0.137	0.135
20		1	77	21.26	21.37	21.46	0.134	0.137	0.140
20		36	1	20.90	20.92	20.96	0.123	0.124	0.125
20		36	18	20.95	20.95	20.91	0.124	0.124	0.123
20		36	36	20.03	21.42	20.92	0.101	0.139	0.124
20		75	0	20.91	20.90	20.97	0.123	0.123	0.125

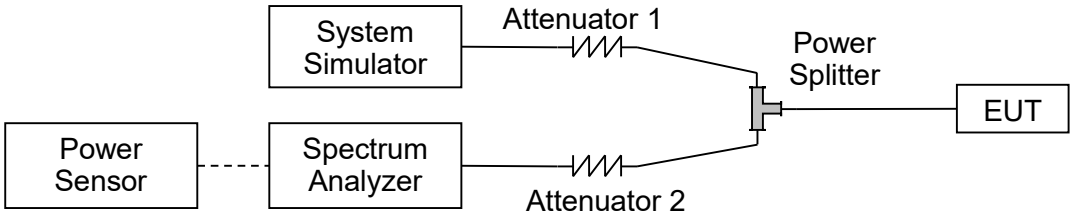
20	DFT-s-OFDM QPSK	1	1	21.40	21.58	21.48	0.138	0.144	0.141
20		1	39	21.35	21.40	21.42	0.136	0.138	0.139
20		1	77	21.22	21.31	21.34	0.132	0.135	0.136
20		36	1	20.91	20.94	20.90	0.123	0.124	0.123
20		36	18	20.74	20.86	20.83	0.119	0.122	0.121
20		36	36	20.78	21.46	20.83	0.120	0.140	0.121
20		75	0	20.66	20.78	20.64	0.116	0.120	0.116
20	DFT-s-OFDM 16QAM	1	1	21.42	21.51	21.56	0.139	0.142	0.143
20	DFT-s-OFDM 64QAM	1	1	19.57	19.75	19.77	0.091	0.094	0.095
20	DFT-s-OFDM 256QAM	1	1	17.58	17.77	17.81	0.057	0.060	0.060
Channel				343500	349000	354500	343500	349000	354500
Frequency (MHz)				1717.5	1745	1772.5	1717.5	1745	1772.5
15	DFT-s-OFDM PI/2 BPSK	1	1	21.23	21.33	21.28	0.133	0.136	0.134
Channel				343000	349000	355000	343000	349000	355000
Frequency (MHz)				1715	1745	1775	1715	1745	1775
10	DFT-s-OFDM PI/2 BPSK	1	1	21.39	21.40	21.32	0.138	0.138	0.136
Channel				342500	349000	355500	342500	349000	355500
Frequency (MHz)				1712.5	1745	1777.5	1712.5	1745	1777.5
5	DFT-s-OFDM PI/2 BPSK	1	1	21.28	21.35	21.35	0.134	0.136	0.136
Channel				344000	349000	354000	344000	349000	354000
Frequency (MHz)				1720	1745	1767.5	1720	1745	1767.5
20	CP-OFDM QPSK	1	1	20.79	20.94	20.94	0.120	0.124	0.124
20	CP-OFDM 16QAM	1	1	20.45	20.58	20.65	0.111	0.114	0.116
20	CP-OFDM 64QAM	1	1	18.61	18.69	18.73	0.073	0.074	0.075
20	CP-OFDM 256QAM	1	1	15.66	15.96	16.00	0.037	0.039	0.040

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

N2					
BW(MHz)	Channel Level	Modulation		99% BW(MHz)	26dB BW(MHz)
5	Low	DFT-s-OFDM	PI/2 BPSK	4.4635	4.677
	Low		QPSK	4.504	4.671
	Low		16QAM	4.5096	4.706
	Low		64QAM	4.5043	4.68
	Low		256QAM	4.5136	4.678
	Low	CP-OFDM	QPSK	4.4992	4.672
	Mid	DFT-s-OFDM	PI/2 BPSK	4.4846	4.692
	Mid		QPSK	4.4989	4.665
	Mid		16QAM	4.5277	4.694
	Mid		64QAM	4.512	4.735
	Mid		256QAM	4.5196	4.72
	Mid	CP-OFDM	QPSK	4.5022	4.684
	High	DFT-s-OFDM	PI/2 BPSK	4.4222	4.692
	High		QPSK	4.5219	4.714
	High		16QAM	4.5083	4.701
	High		64QAM	4.4898	4.656
	High		256QAM	4.5053	4.718
	High	CP-OFDM	QPSK	4.5041	4.683
10	Low	DFT-s-OFDM	PI/2 BPSK	9.0851	9.405
	Low		QPSK	9.0626	9.424
	Low		16QAM	9.0848	9.399
	Low		64QAM	9.027	9.33
	Low		256QAM	8.9931	9.339
	Low	CP-OFDM	QPSK	9.4144	9.701
	Mid	DFT-s-OFDM	PI/2 BPSK	9.0362	9.363
	Mid		QPSK	9.067	9.422
	Mid		16QAM	8.9413	9.382
	Mid		64QAM	9.0749	9.393
	Mid		256QAM	9.0125	9.412
	Mid	CP-OFDM	QPSK	9.3948	9.724
	High	DFT-s-OFDM	PI/2 BPSK	9.0661	9.408
	High		QPSK	9.0266	9.374
	High		16QAM	9.0445	9.589

	High		64QAM	9.0727	9.411
	High		256QAM	8.8986	9.541
	High	CP-OFDM	QPSK	9.0747	9.413
15	Low	DFT-s-OFDM	PI/2 BPSK	13.573	14.06
	Low		QPSK	13.528	13.96
	Low		16QAM	13.581	14.1
	Low		64QAM	13.614	14.1
	Low		256QAM	13.621	14.09
	Low	CP-OFDM	QPSK	13.626	14.05
	Mid	DFT-s-OFDM	PI/2 BPSK	13.623	14.18
	Mid		QPSK	13.561	14.06
	Mid		16QAM	13.572	14.67
	Mid		64QAM	13.583	14.54
	Mid		256QAM	13.653	14.36
	Mid	CP-OFDM	QPSK	13.649	14.54
	High	DFT-s-OFDM	PI/2 BPSK	13.6	14.06
	High		QPSK	13.628	14.44
	High		16QAM	13.655	14.12
	High		64QAM	13.573	14.31
	High		256QAM	13.622	14.58
	High	CP-OFDM	QPSK	13.6	14.08
20	Low	DFT-s-OFDM	PI/2 BPSK	17.958	18.65
	Low		QPSK	18.197	18.94
	Low		16QAM	18.168	18.78
	Low		64QAM	18.079	18.65
	Low		256QAM	18.103	19.2
	Low	CP-OFDM	QPSK	18.096	18.9
	Mid	DFT-s-OFDM	PI/2 BPSK	18.152	18.95
	Mid		QPSK	18.161	19.14
	Mid		16QAM	18.156	18.96
	Mid		64QAM	18.126	18.8
	Mid		256QAM	18.194	18.8
	Mid	CP-OFDM	QPSK	18.173	18.84
	High	DFT-s-OFDM	PI/2 BPSK	18.129	18.89
	High		QPSK	18.04	18.75
	High		16QAM	18.154	19.1
	High		64QAM	18.18	19.24
	High		256QAM	18.116	18.93

	High	CP-OFDM	QPSK	18.146	19.16

N5					
BW(MHz)	**Channel Level**	**Modulation**		**99% BW(MHz)**	**26dB BW(MHz)**
5	Low	DFT-s-OFDM	PI/2 BPSK	4.5172	4.677
	Low		QPSK	4.5099	4.679
	Low		16QAM	4.5027	4.687
	Low		64QAM	4.5057	4.686
	Low		256QAM	4.5196	4.709
	Low	CP-OFDM	QPSK	4.5003	4.704
	Mid	DFT-s-OFDM	PI/2 BPSK	4.5044	4.668
	Mid		QPSK	4.5128	4.7
	Mid		16QAM	4.5266	4.703
	Mid		64QAM	4.5044	4.697
	Mid		256QAM	4.5245	4.718
	Mid	CP-OFDM	QPSK	4.515	4.705
	High	DFT-s-OFDM	PI/2 BPSK	4.5097	4.696
	High		QPSK	4.5059	4.68
	High		16QAM	4.5052	4.67
	High		64QAM	4.4963	4.685
	High		256QAM	4.5144	4.671
	High	CP-OFDM	QPSK	4.5144	4.698
10	Low	DFT-s-OFDM	PI/2 BPSK	9.0869	9.575
	Low		QPSK	9.0618	9.385
	Low		16QAM	9.0617	9.65
	Low		64QAM	9.0146	9.417
	Low		256QAM	9.0356	9.868
	Low	CP-OFDM	QPSK	9.4165	9.982
	Mid	DFT-s-OFDM	PI/2 BPSK	9.0236	9.619
	Mid		QPSK	8.9705	9.456
	Mid		16QAM	9.0766	9.622
	Mid		64QAM	8.9819	9.846
	Mid		256QAM	9.0338	9.389
	Mid	CP-OFDM	QPSK	8.9839	9.583
	High	DFT-s-OFDM	PI/2 BPSK	8.998	9.765
	High		QPSK	9.0125	9.468
	High		16QAM	9.0278	9.376

	High		64QAM	8.9923	9.729
	High		256QAM	9.0514	9.488
	High	CP-OFDM	QPSK	9.3599	9.846
15	Low	DFT-s-OFDM	PI/2 BPSK	13.622	14.51
	Low		QPSK	13.587	14.43
	Low		16QAM	13.566	14.73
	Low		64QAM	13.608	14.06
	Low		256QAM	13.548	13.98
	Low	CP-OFDM	QPSK	13.625	14.11
	Mid	DFT-s-OFDM	PI/2 BPSK	13.586	14.06
	Mid		QPSK	13.565	14.65
	Mid		16QAM	13.535	14.04
	Mid		64QAM	13.54	14.22
	Mid		256QAM	13.568	14.06
	Mid	CP-OFDM	QPSK	14.279	14.88
	High	DFT-s-OFDM	PI/2 BPSK	13.558	14.08
	High		QPSK	13.582	14.23
	High		16QAM	13.449	14.0
	High		64QAM	13.349	14.25
	High		256QAM	13.552	14.56
	High	CP-OFDM	QPSK	13.514	14.1
20	Low	DFT-s-OFDM	PI/2 BPSK	18.102	19.55
	Low		QPSK	18.034	18.65
	Low		16QAM	18.088	18.69
	Low		64QAM	18.105	18.74
	Low		256QAM	18.129	18.86
	Low	CP-OFDM	QPSK	19.129	19.81
	Mid	DFT-s-OFDM	PI/2 BPSK	17.834	18.45
	Mid		QPSK	18.048	18.73
	Mid		16QAM	18.064	18.74
	Mid		64QAM	18.059	19.05
	Mid		256QAM	18.137	19.0
	Mid	CP-OFDM	QPSK	19.002	19.62
	High	DFT-s-OFDM	PI/2 BPSK	18.025	18.75
	High		QPSK	18.144	18.84
	High		16QAM	18.02	18.72
	High		64QAM	18.025	18.95
	High		256QAM	18.054	18.68

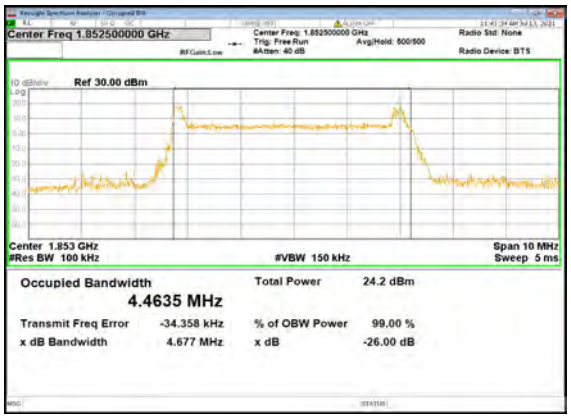
	High	CP-OFDM	QPSK	19.095	20.21

N66					
BW(MHz)	**Channel Level**	**Modulation**		**99% BW(MHz)**	**26dB BW(MHz)**
5	Low	DFT-s-OFDM	PI/2 BPSK	4.5033	4.653
	Low		QPSK	4.5	4.722
	Low		16QAM	4.4956	4.686
	Low		64QAM	4.5062	4.696
	Low		256QAM	4.5099	4.721
	Low	CP-OFDM	QPSK	4.5049	4.682
	Mid	DFT-s-OFDM	PI/2 BPSK	4.5091	4.673
	Mid		QPSK	4.5053	4.697
	Mid		16QAM	4.5292	4.7
	Mid		64QAM	4.5124	4.677
	Mid		256QAM	4.5118	4.672
	Mid	CP-OFDM	QPSK	4.5085	4.715
	High	DFT-s-OFDM	PI/2 BPSK	4.4819	4.642
	High		QPSK	4.5083	4.697
	High		16QAM	4.5057	4.71
	High		64QAM	4.5081	4.729
	High		256QAM	4.4696	4.72
	High	CP-OFDM	QPSK	4.5055	4.691
10	Low	DFT-s-OFDM	PI/2 BPSK	9.0328	9.373
	Low		QPSK	9.0763	9.413
	Low		16QAM	9.0855	9.401
	Low		64QAM	9.0864	9.405
	Low		256QAM	9.0746	9.407
	Low	CP-OFDM	QPSK	9.0045	9.413
	Mid	DFT-s-OFDM	PI/2 BPSK	8.9956	9.442
	Mid		QPSK	9.0323	9.382
	Mid		16QAM	9.0821	9.396
	Mid		64QAM	9.047	9.44
	Mid		256QAM	9.054	9.385
	Mid	CP-OFDM	QPSK	9.0485	9.369
	High	DFT-s-OFDM	PI/2 BPSK	9.0826	9.514
	High		QPSK	9.0671	9.38
	High		16QAM	9.0946	9.424

	High		64QAM	8.9416	9.415
	High		256QAM	9.0613	9.391
	High	CP-OFDM	QPSK	9.0825	9.508
15	Low	DFT-s-OFDM	PI/2 BPSK	13.453	14.04
	Low		QPSK	13.638	14.11
	Low		16QAM	13.556	14.12
	Low		64QAM	13.654	14.09
	Low		256QAM	13.57	14.1
	Low	CP-OFDM	QPSK	14.258	14.72
	Mid	DFT-s-OFDM	PI/2 BPSK	13.629	14.13
	Mid		QPSK	13.642	14.16
	Mid		16QAM	13.565	14.17
	Mid		64QAM	13.665	14.1
	Mid		256QAM	13.654	14.12
	Mid	CP-OFDM	QPSK	13.672	14.08
	High	DFT-s-OFDM	PI/2 BPSK	13.657	14.16
	High		QPSK	13.701	14.09
	High		16QAM	13.661	14.03
	High		64QAM	13.703	14.15
	High		256QAM	13.649	14.14
	High	CP-OFDM	QPSK	13.628	14.1
20	Low	DFT-s-OFDM	PI/2 BPSK	17.736	18.45
	Low		QPSK	18.206	18.78
	Low		16QAM	18.217	18.81
	Low		64QAM	18.131	18.8
	Low		256QAM	18.092	18.8
	Low	CP-OFDM	QPSK	19.283	19.87
	Mid	DFT-s-OFDM	PI/2 BPSK	18.212	18.81
	Mid		QPSK	18.167	18.78
	Mid		16QAM	18.256	18.77
	Mid		64QAM	18.063	18.78
	Mid		256QAM	18.247	18.86
	Mid	CP-OFDM	QPSK	18.236	18.83
	High	DFT-s-OFDM	PI/2 BPSK	18.062	18.81
	High		QPSK	18.178	18.77
	High		16QAM	18.184	18.68
	High		64QAM	18.148	18.77
	High		256QAM	18.117	18.79

	High	CP-OFDM	QPSK	18.138	18.82

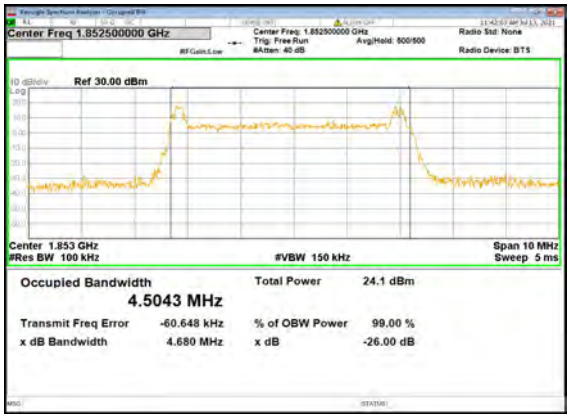
N2(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



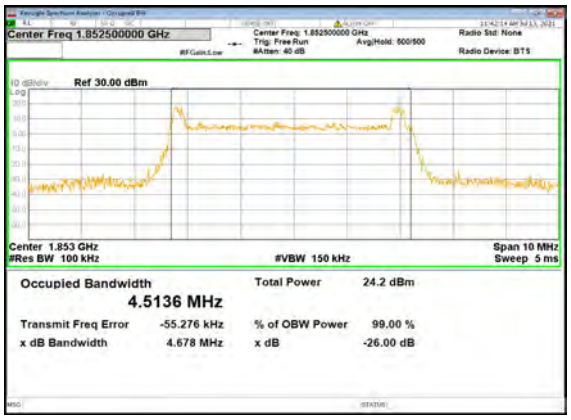
N2(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

N2(5M)_DFT-s-OFDM_16QAM_Outer_Full_Low_CH

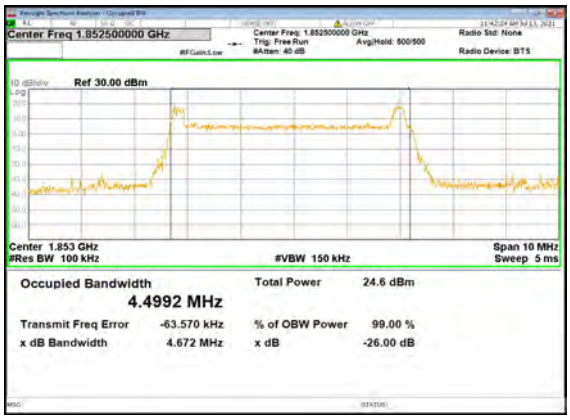
N2(5M)_DFT-s-OFDM_64QAM_Outer_Full_Low_CH



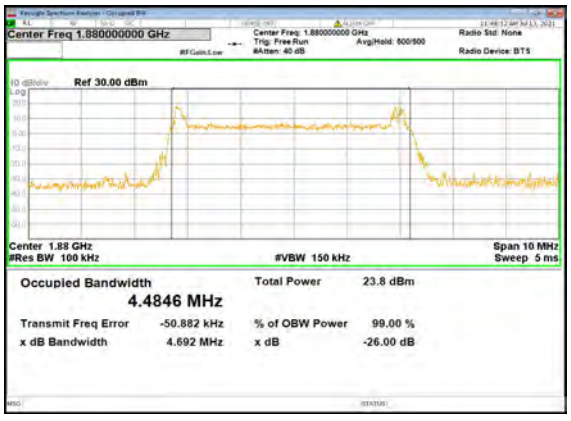
N2(5M)_DFT-s-OFDM_256QAM_Outer_Full_Low_CH



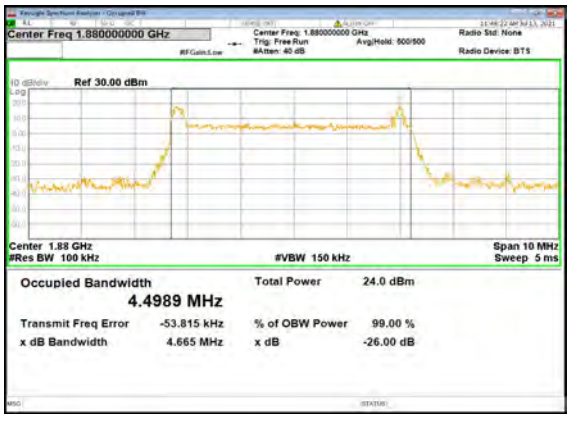
N2(5M)_CP-OFDM_QPSK_Outer_Full_Low_CH



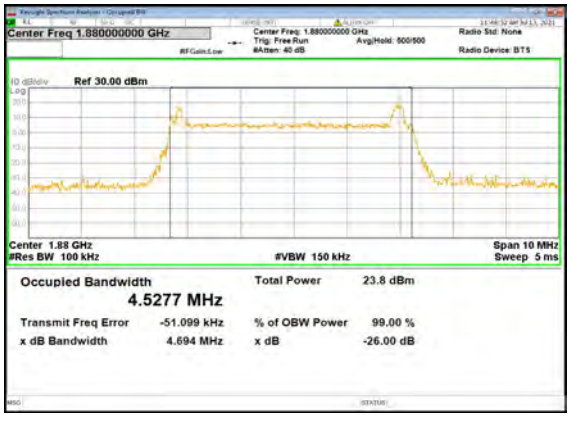
N2(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N2(5M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

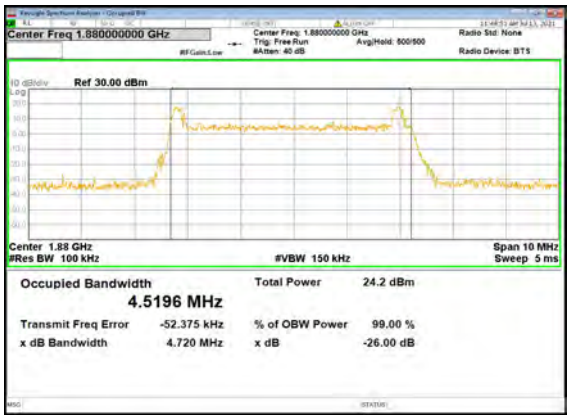


N2(5M)_DFT-s-OFDM_16QAM_Outer_Full_Mid_CH

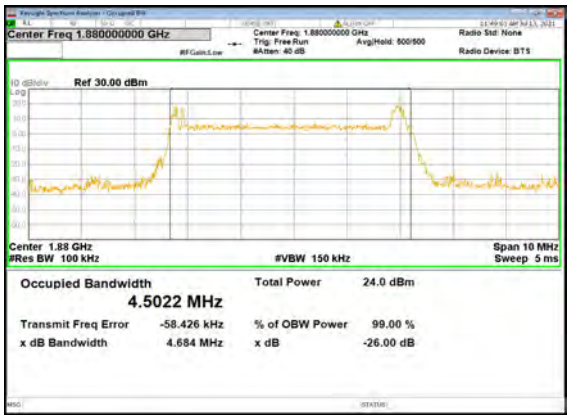


N2(5M)_DFT-s-OFDM_64QAM_Outer_Full_Mid_CH

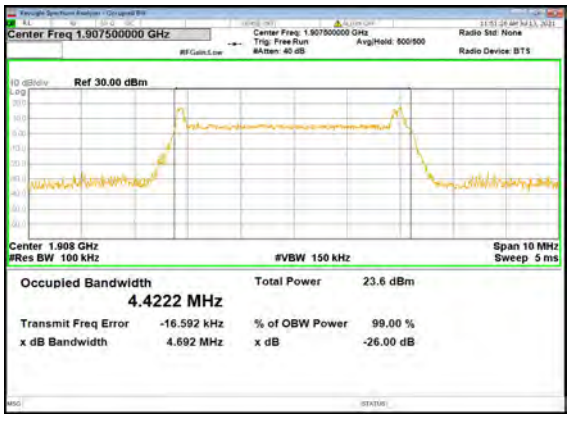
N2(5M)_DFT-s-OFDM_256QAM_Outer_Full_Mid_CH



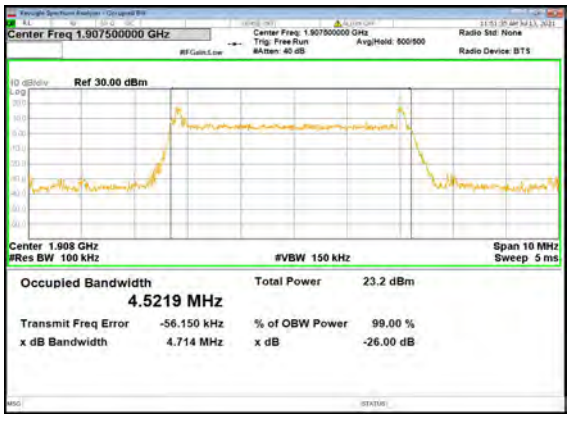
N2(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



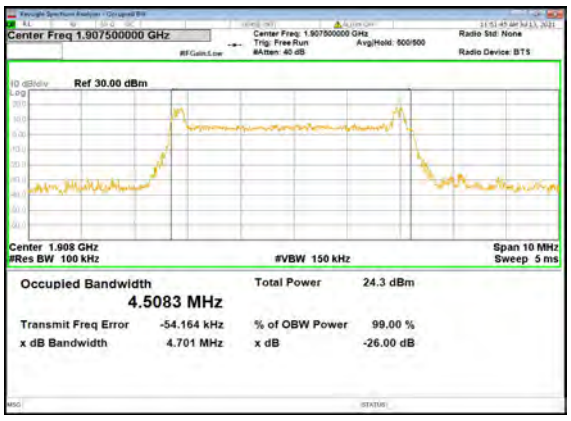
N2(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



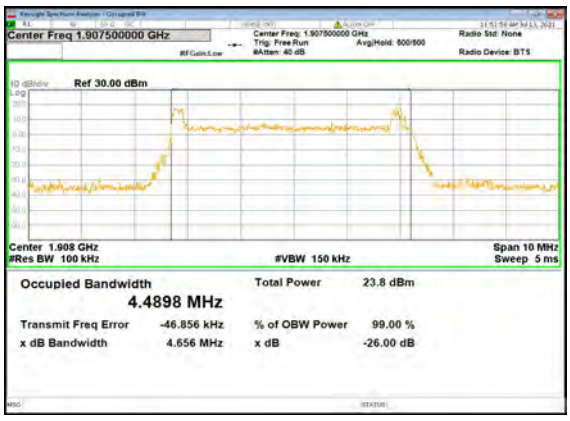
N2(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



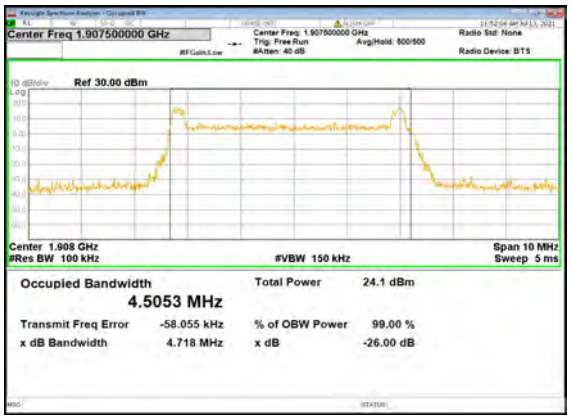
N2(5M)_DFT-s-OFDM_16QAM_Outer_Full_High_CH



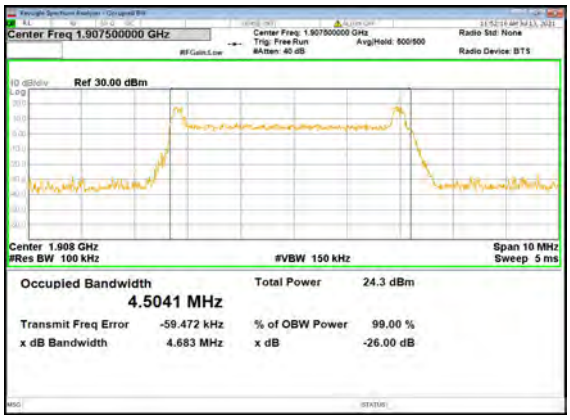
N2(5M)_DFT-s-OFDM_64QAM_Outer_Full_High_CH



N2(5M)_DFT-s-OFDM_256QAM_Outer_Full_High_CH



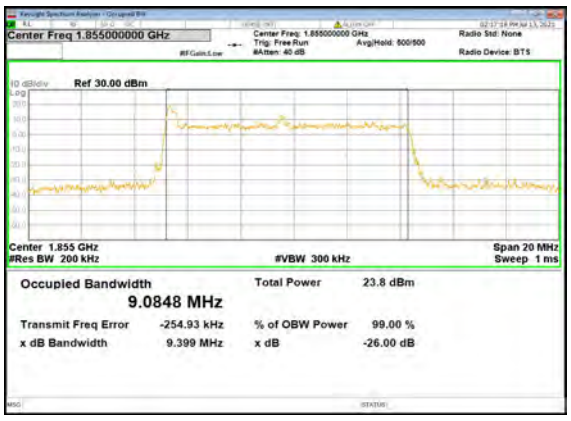
N2(5M)_CP-OFDM_QPSK_Outer_Full_High_CH



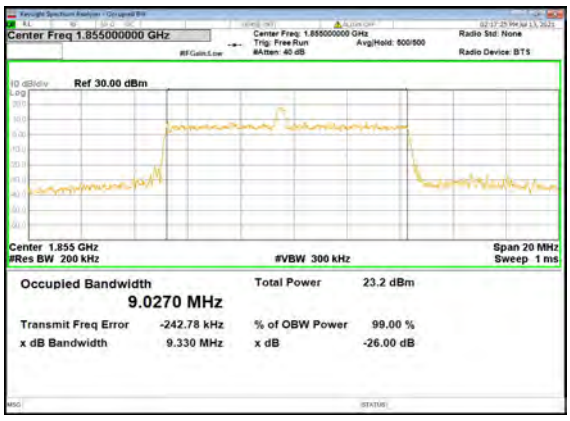
N2(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH

N2(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

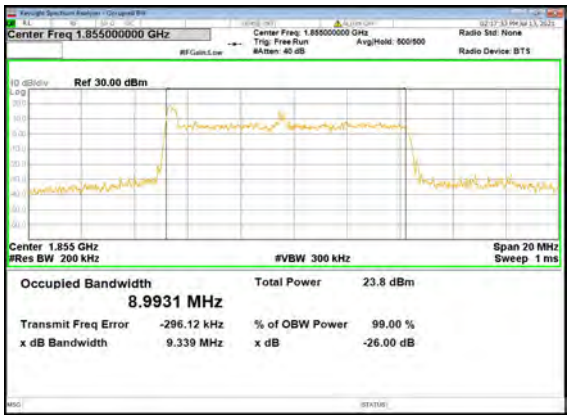
N2(10M)_DFT-s-OFDM_16QAM_Outer_Full_Low_CH



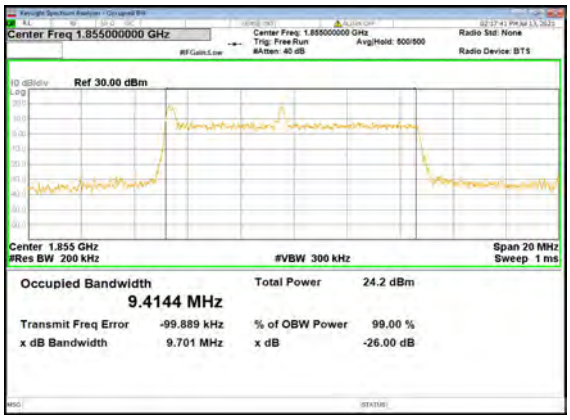
N2(10M)_DFT-s-OFDM_64QAM_Outer_Full_Low_CH



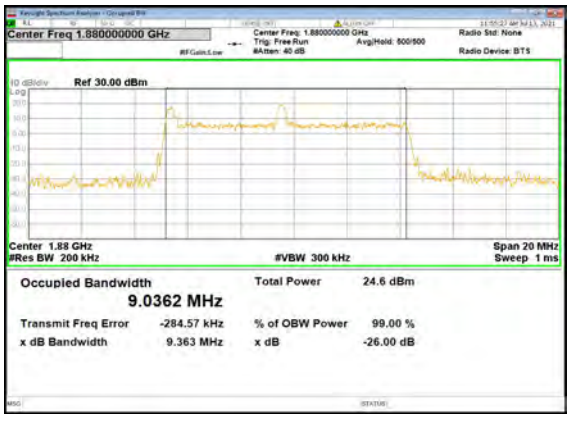
N2(10M)_DFT-s-OFDM_256QAM_Outer_Full_Low_CH



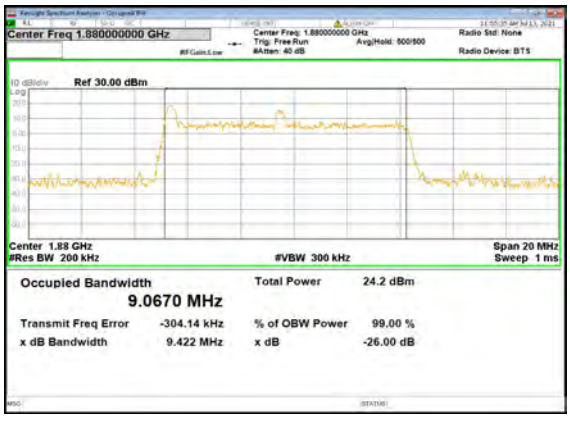
N2(10M)_CP-OFDM_QPSK_Outer_Full_Low_CH



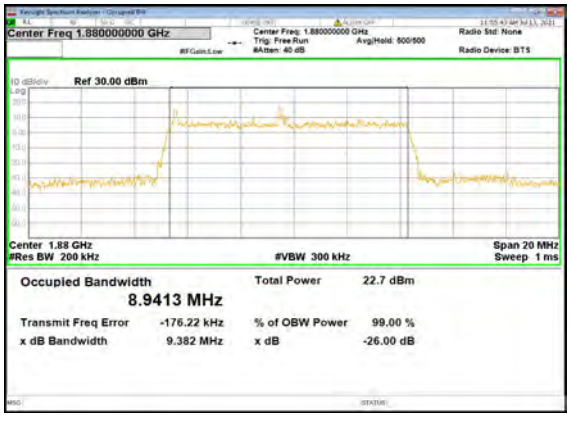
N2(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N2(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N2(10M)_DFT-s-OFDM_16QAM_Outer_Full_Mid_CH

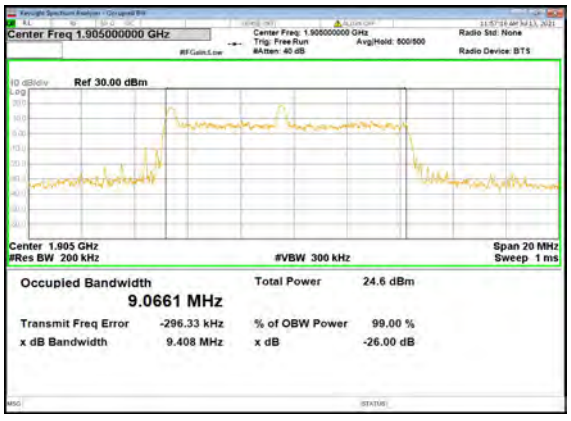


N2(10M)_DFT-s-OFDM_64QAM_Outer_Full_Mid_CH

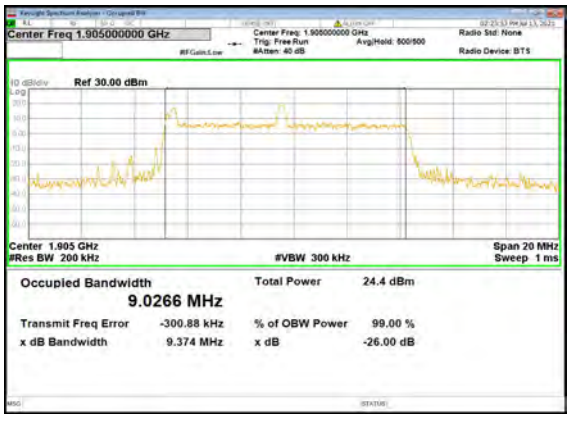
N2(10M)_DFT-s-OFDM_256QAM_Outer_Full_Mid_CH

N2(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

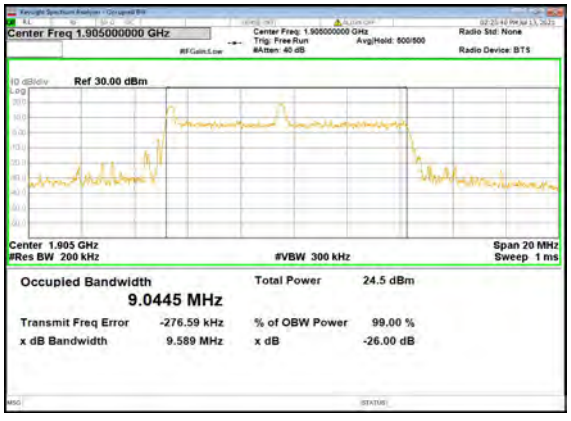
N2(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



N2(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N2(10M)_DFT-s-OFDM_16QAM_Outer_Full_High_CH

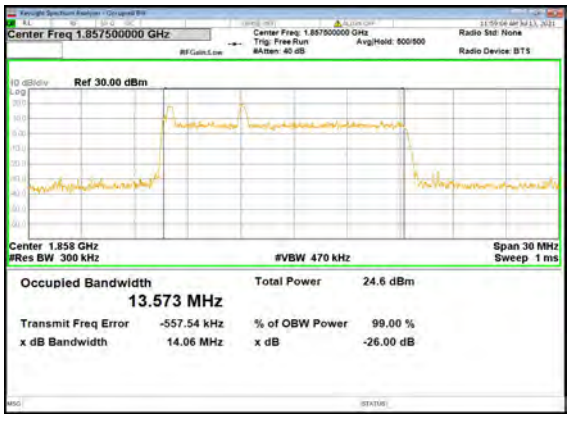


N2(10M)_DFT-s-OFDM_64QAM_Outer_Full_High_CH

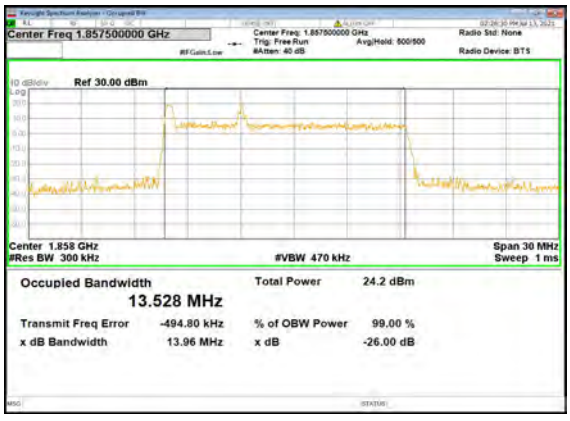
N2(10M)_DFT-s-OFDM_256QAM_Outer_Full_High_CH

N2(10M)_CP-OFDM_QPSK_Outer_Full_High_CH

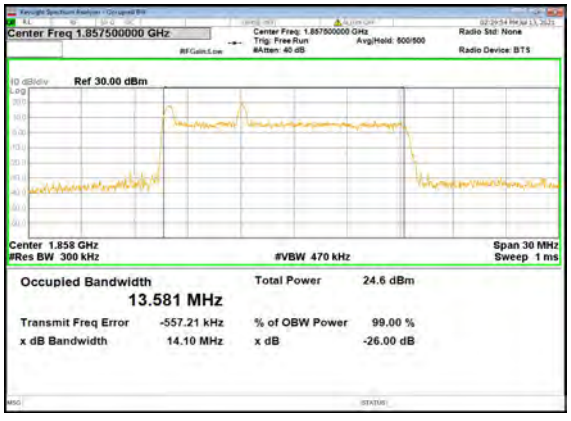
N2(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



N2(15M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

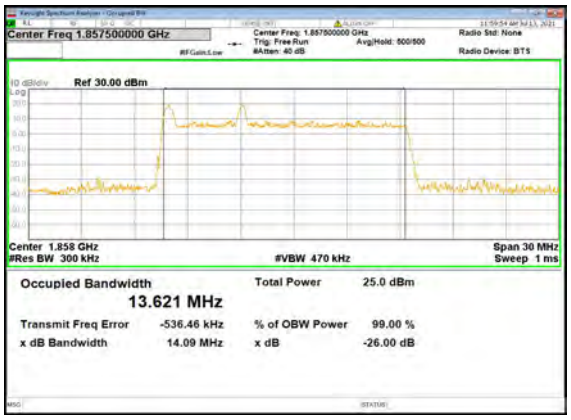


N2(15M)_DFT-s-OFDM_16QAM_Outer_Full_Low_CH

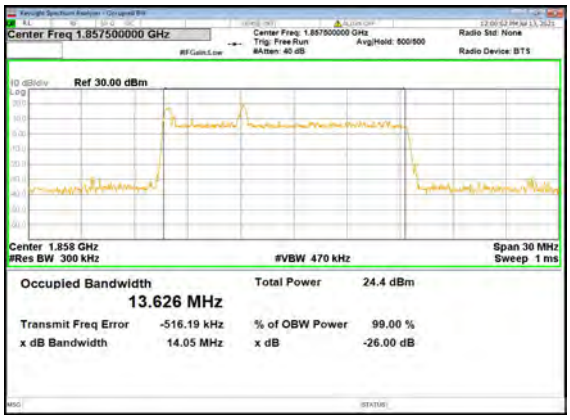


N2(15M)_DFT-s-OFDM_64QAM_Outer_Full_Low_CH

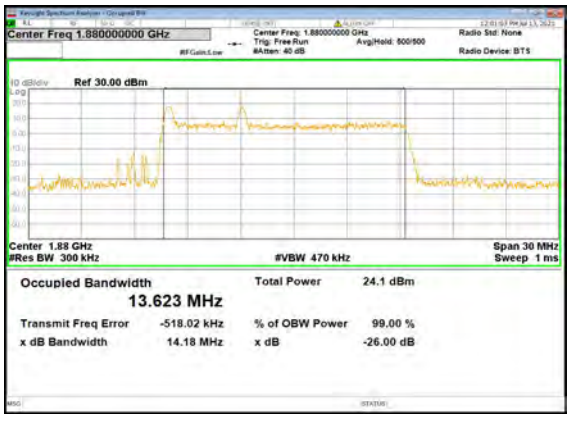
N2(15M)_DFT-s-OFDM_256QAM_Outer_Full_Low_CH



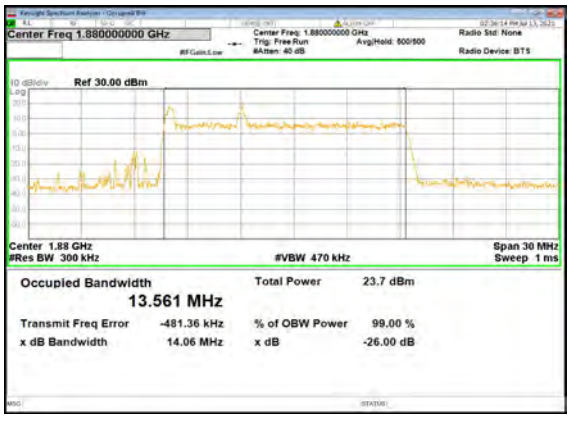
N2(15M)_CP-OFDM_QPSK_Outer_Full_Low_CH



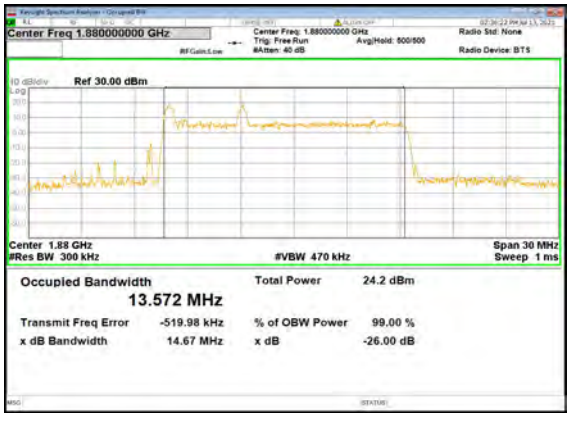
N2(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



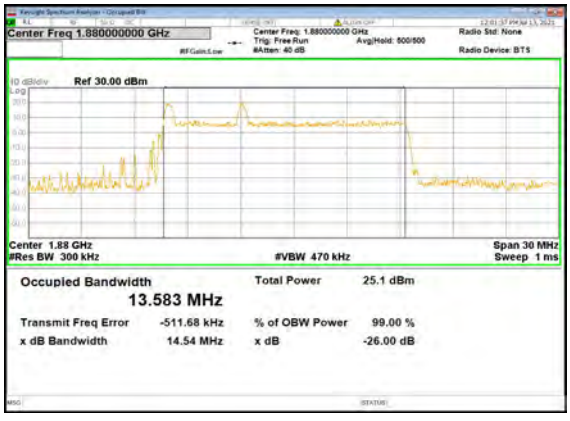
N2(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



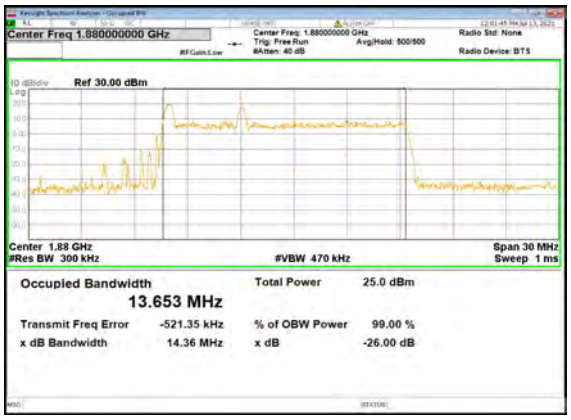
N2(15M)_DFT-s-OFDM_16QAM_Outer_Full_Mid_CH



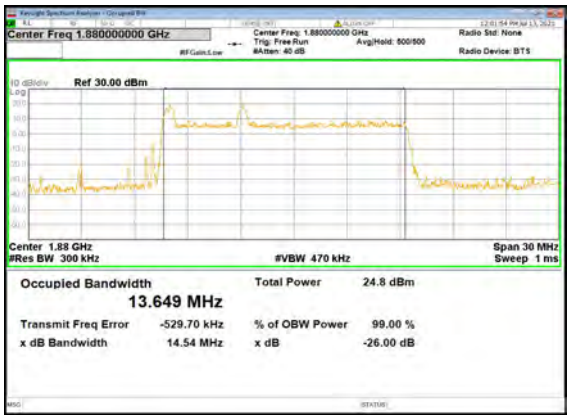
N2(15M)_DFT-s-OFDM_64QAM_Outer_Full_Mid_CH



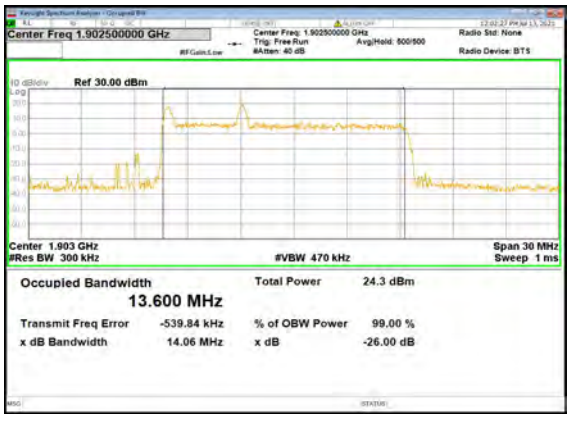
N2(15M)_DFT-s-OFDM_256QAM_Outer_Full_Mid_CH



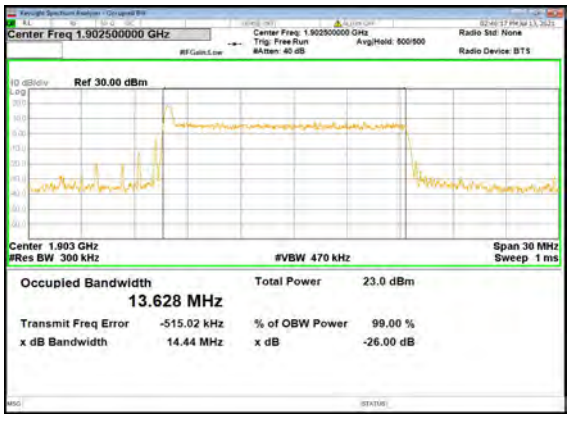
N2(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N2(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



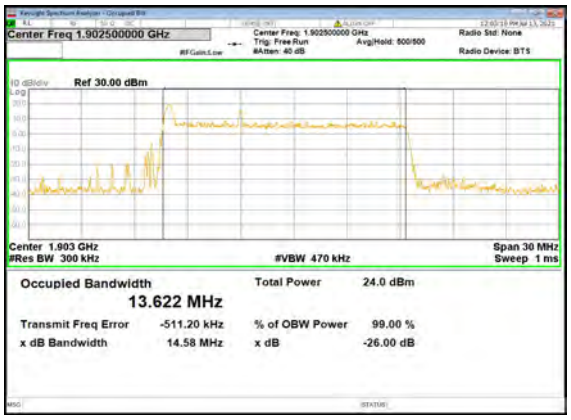
N2(15M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



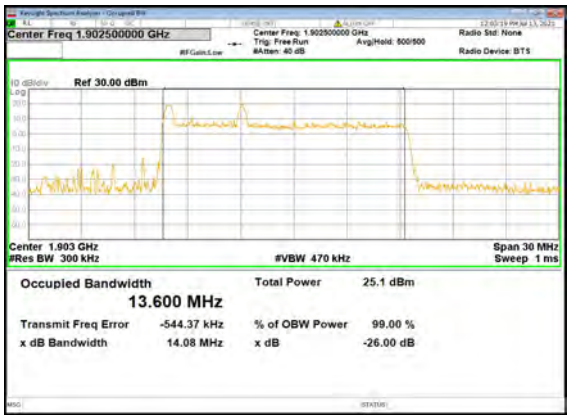
N2(15M)_DFT-s-OFDM_16QAM_Outer_Full_High_CH

N2(15M)_DFT-s-OFDM_64QAM_Outer_Full_High_CH

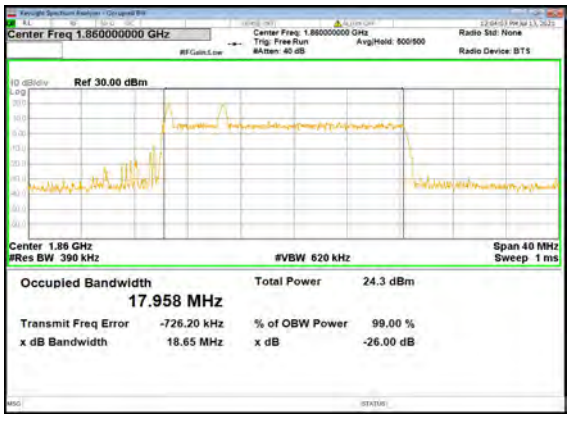
N2(15M)_DFT-s-OFDM_256QAM_Outer_Full_High_CH



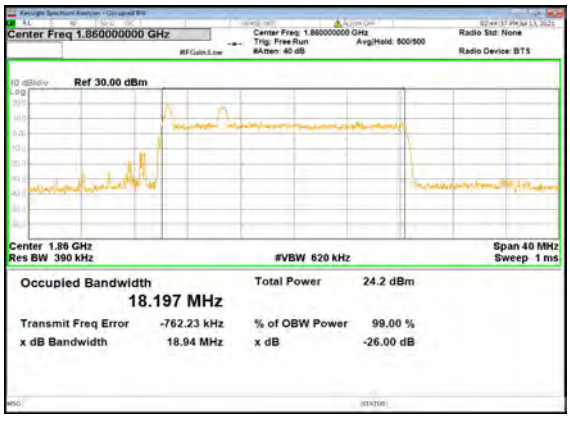
N2(15M)_CP-OFDM_QPSK_Outer_Full_High_CH



N2(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



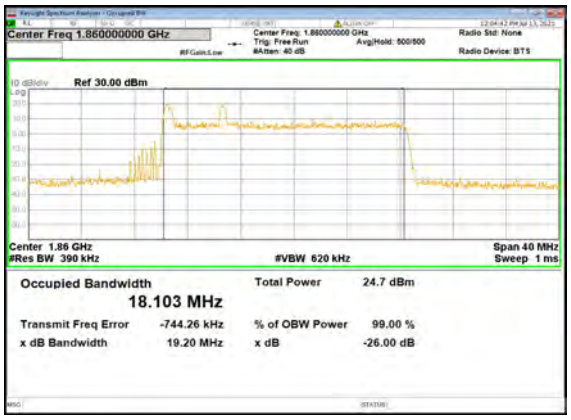
N2(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



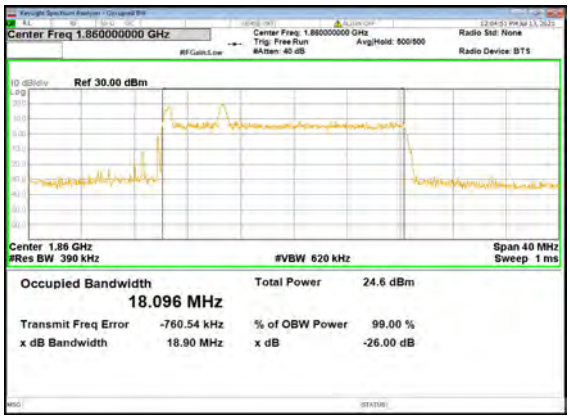
N2(20M)_DFT-s-OFDM_16QAM_Outer_Full_Low_CH

N2(20M)_DFT-s-OFDM_64QAM_Outer_Full_Low_CH

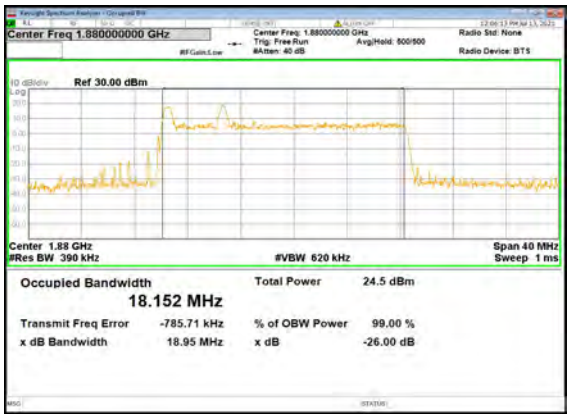
N2(20M)_DFT-s-OFDM_256QAM_Outer_Full_Low_CH



N2(20M)_CP-OFDM_QPSK_Outer_Full_Low_CH



N2(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

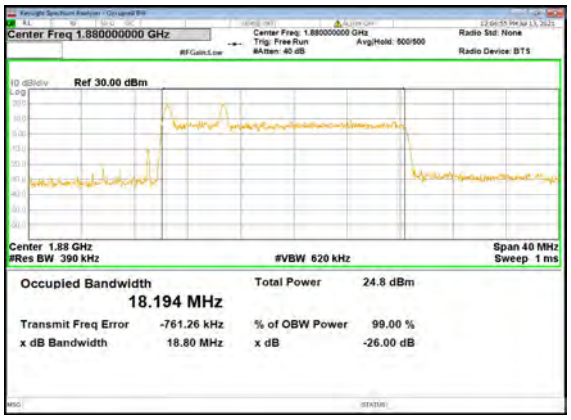


N2(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

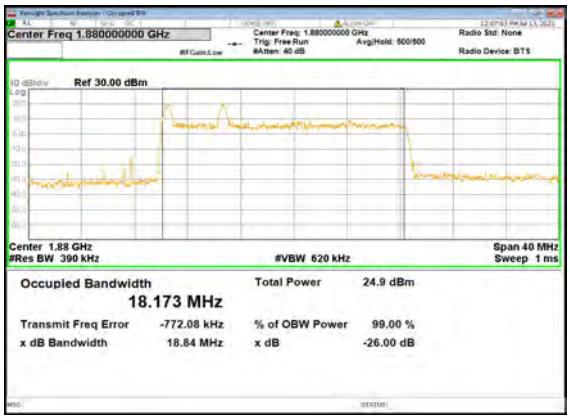
N2(20M)_DFT-s-OFDM_16QAM_Outer_Full_Mid_CH

N2(20M)_DFT-s-OFDM_64QAM_Outer_Full_Mid_CH

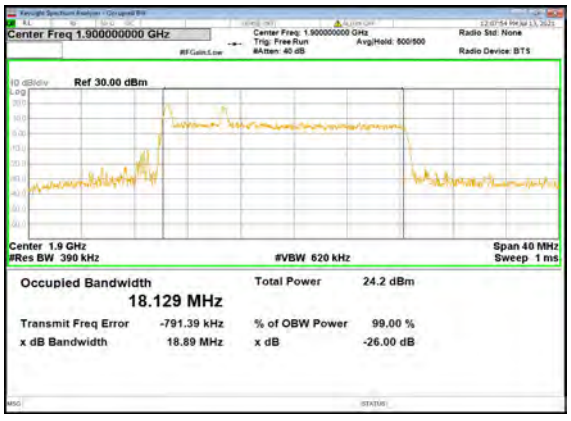
N2(20M)_DFT-s-OFDM_256QAM_Outer_Full_Mid_CH



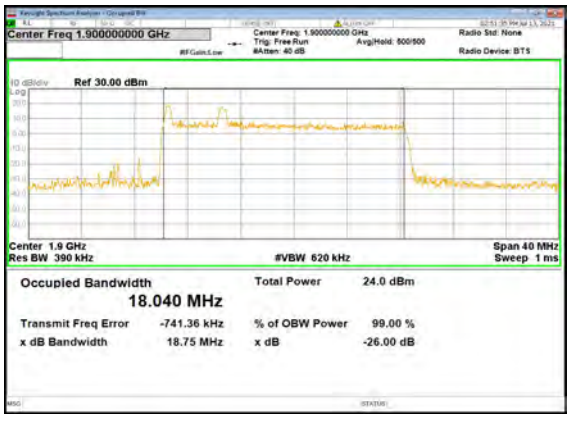
N2(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



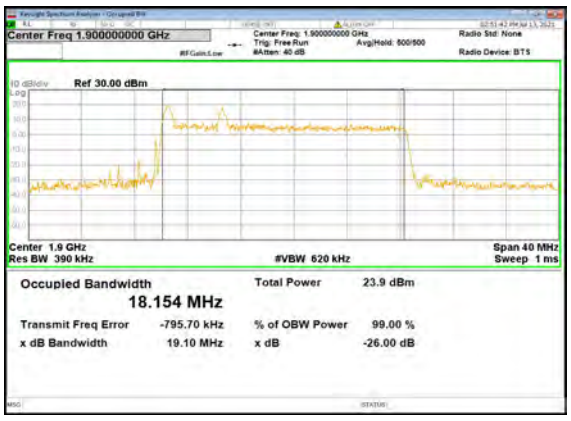
N2(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



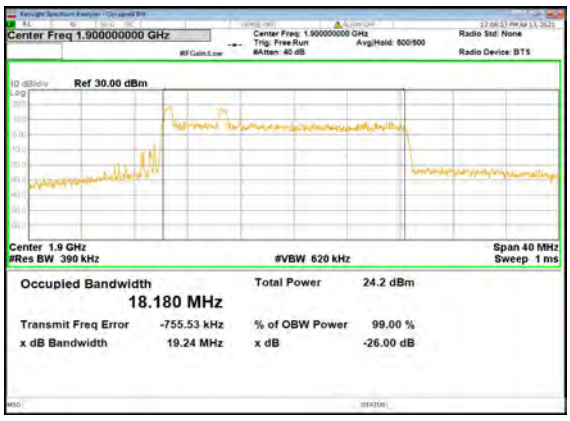
N2(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



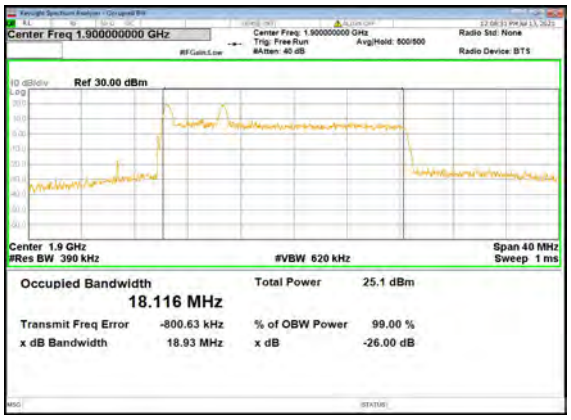
N2(20M)_DFT-s-OFDM_16QAM_Outer_Full_High_CH



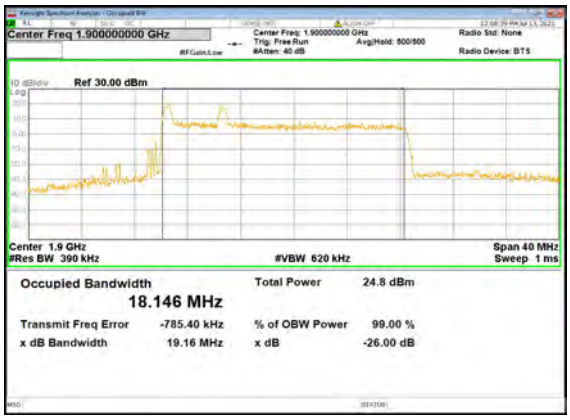
N2(20M)_DFT-s-OFDM_64QAM_Outer_Full_High_CH



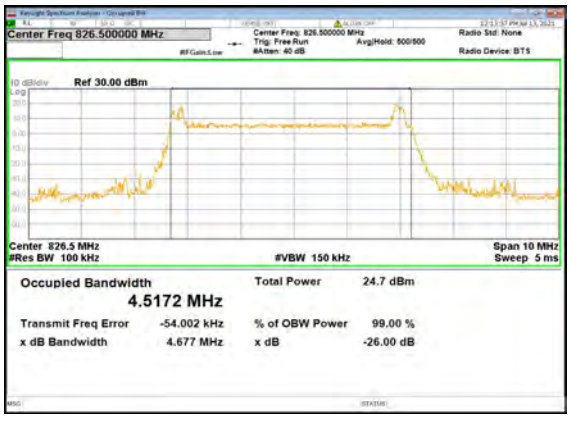
N2(20M)_DFT-s-OFDM_256QAM_Outer_Full_High_CH



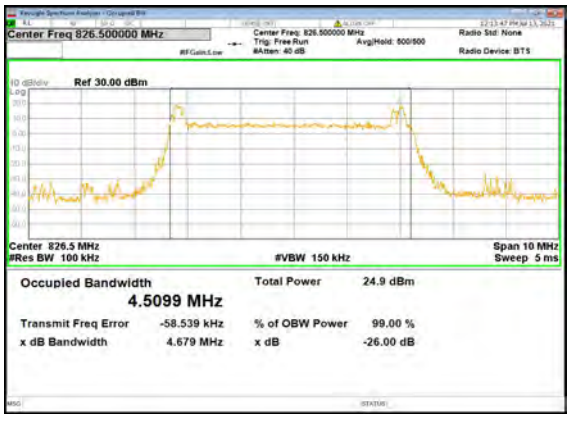
N2(20M)_CP-OFDM_QPSK_Outer_Full_High_CH



N5(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH

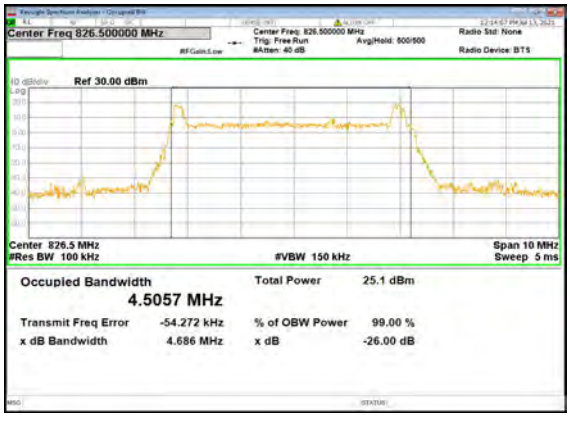


N5(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

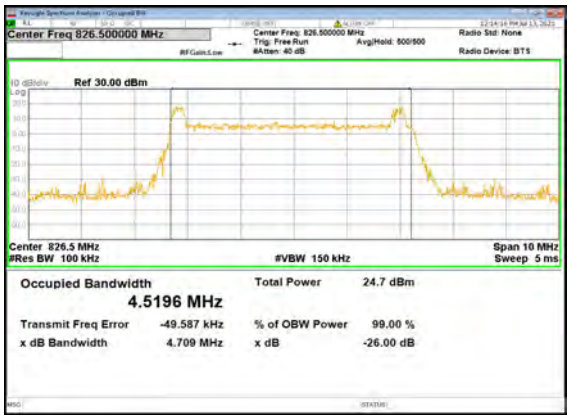


N5(5M)_DFT-s-OFDM_16QAM_Outer_Full_Low_CH

N5(5M)_DFT-s-OFDM_64QAM_Outer_Full_Low_CH

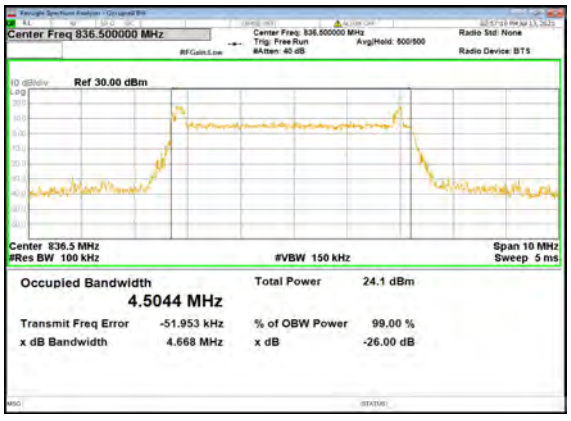


N5(5M)_DFT-s-OFDM_256QAM_Outer_Full_Low_CH

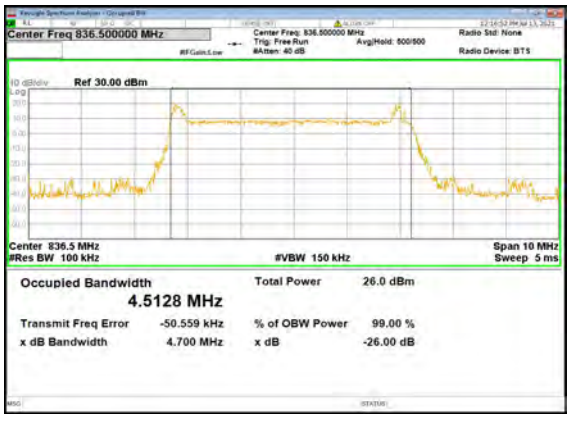


N5(5M)_CP-OFDM_QPSK_Outer_Full_Low_CH

N5(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

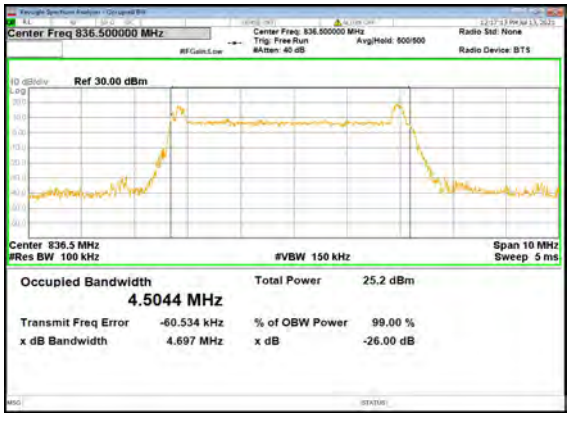


N5(5M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

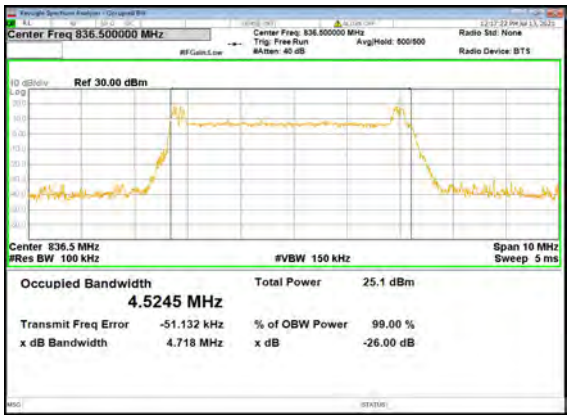


N5(5M)_DFT-s-OFDM_16QAM_Outer_Full_Mid_CH

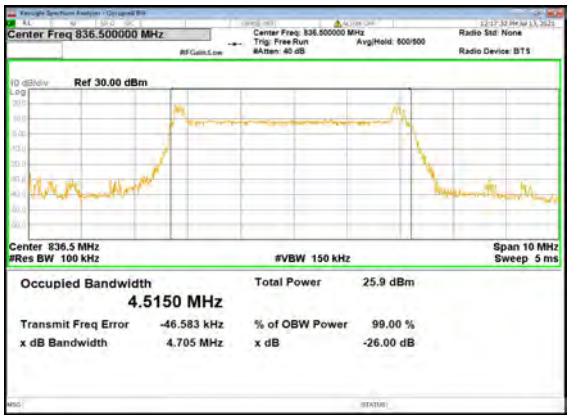
N5(5M)_DFT-s-OFDM_64QAM_Outer_Full_Mid_CH



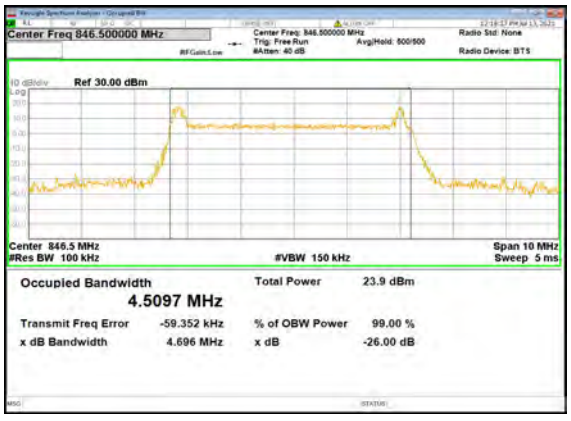
N5(5M)_DFT-s-OFDM_256QAM_Outer_Full_Mid_CH



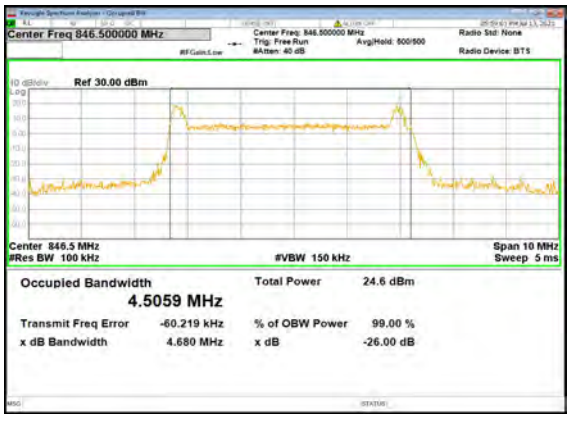
N5(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



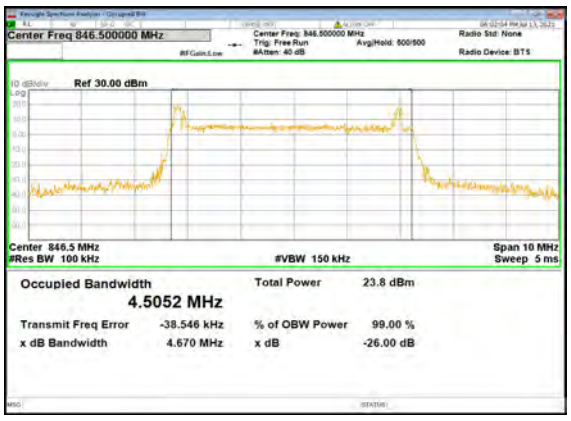
N5(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



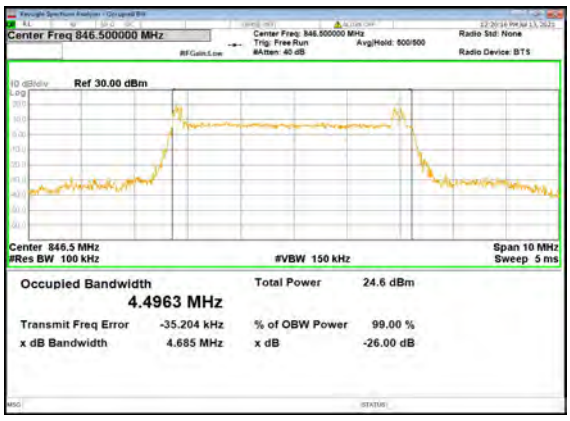
N5(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



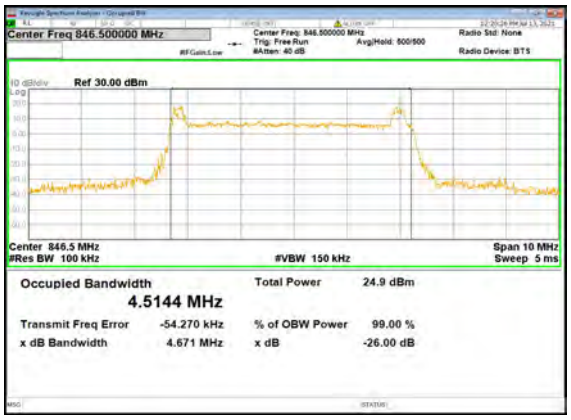
N5(5M)_DFT-s-OFDM_16QAM_Outer_Full_High_CH



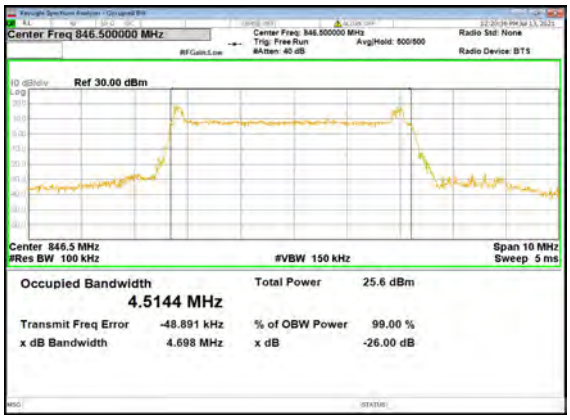
N5(5M)_DFT-s-OFDM_64QAM_Outer_Full_High_CH



N5(5M)_DFT-s-OFDM_256QAM_Outer_Full_High_CH



N5(5M)_CP-OFDM_QPSK_Outer_Full_High_CH



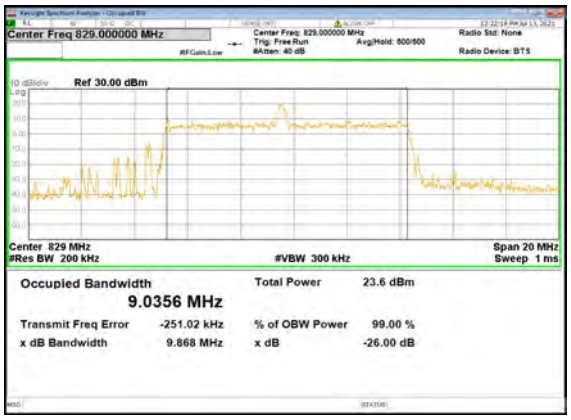
N5(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH

N5(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

N5(10M)_DFT-s-OFDM_16QAM_Outer_Full_Low_CH

N5(10M)_DFT-s-OFDM_64QAM_Outer_Full_Low_CH

N5(10M)_DFT-s-OFDM_256QAM_Outer_Full_Low_CH

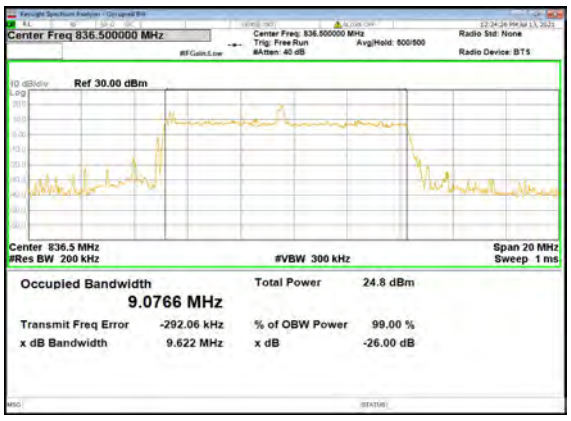


N5(10M)_CP-OFDM_QPSK_Outer_Full_Low_CH

N5(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

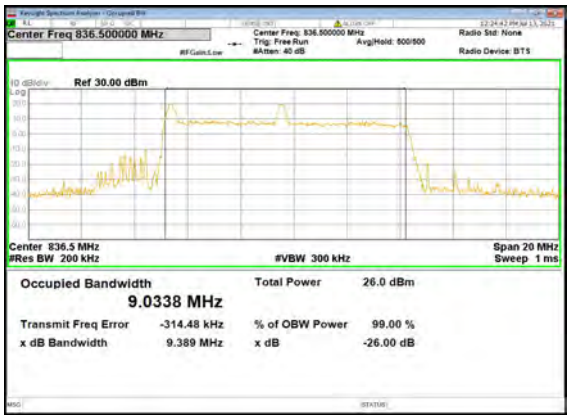
N5(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

N5(10M)_DFT-s-OFDM_16QAM_Outer_Full_Mid_CH

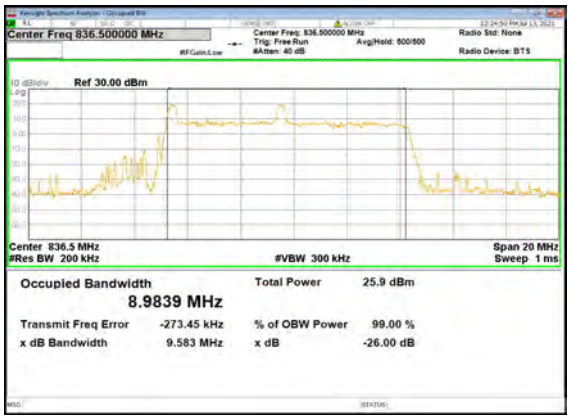


N5(10M)_DFT-s-OFDM_64QAM_Outer_Full_Mid_CH

N5(10M)_DFT-s-OFDM_256QAM_Outer_Full_Mid_CH



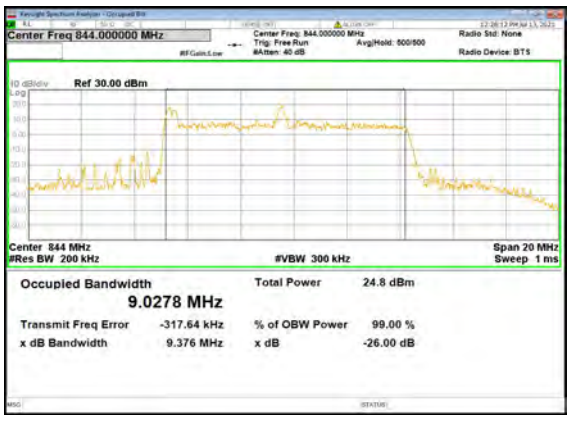
N5(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



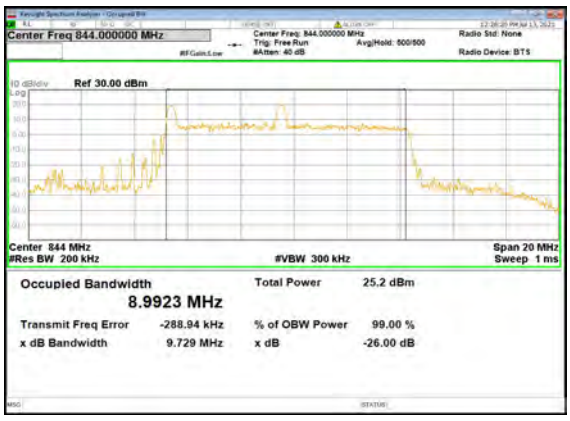
N5(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH

N5(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

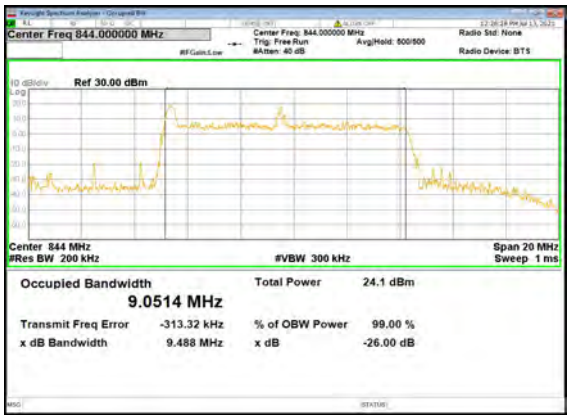
N5(10M)_DFT-s-OFDM_16QAM_Outer_Full_High_CH



N5(10M)_DFT-s-OFDM_64QAM_Outer_Full_High_CH



N5(10M)_DFT-s-OFDM_256QAM_Outer_Full_High_CH



N5(10M)_CP-OFDM_QPSK_Outer_Full_High_CH

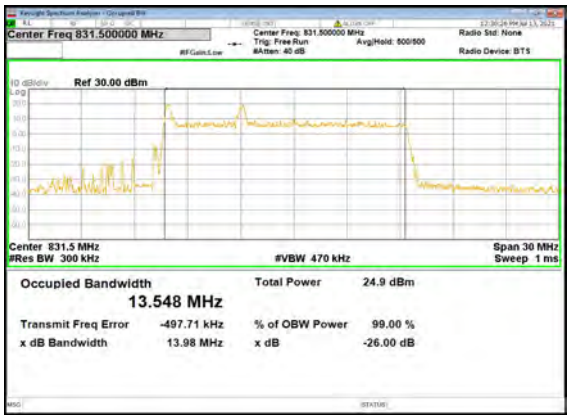
N5(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH

N5(15M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

N5(15M)_DFT-s-OFDM_16QAM_Outer_Full_Low_CH

N5(15M)_DFT-s-OFDM_64QAM_Outer_Full_Low_CH

N5(15M)_DFT-s-OFDM_256QAM_Outer_Full_Low_CH



N5(15M)_CP-OFDM_QPSK_Outer_Full_Low_CH

N5(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

N5(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

N5(15M)_DFT-s-OFDM_16QAM_Outer_Full_Mid_CH

N5(15M)_DFT-s-OFDM_64QAM_Outer_Full_Mid_CH

N5(15M)_DFT-s-OFDM_256 QAM_Outer_Full_Mid_CH

N5(15M)_CP-OFDM_QPSK_Outer_Full_ Mid_CH

N5(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH

N5(15M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

N5(15M)_DFT-s-OFDM_16 QAM_Outer_Full_High_CH

N5(15M)_DFT-s-OFDM_64 QAM_Outer_Full_High_CH

N5(15M)_DFT-s-OFDM_256 QAM_Outer_Full_High_CH

N5(15M)_CP-OFDM_QPSK_Outer_Full_ High_CH

N5(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH

N5(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

N5(20M)_DFT-s-OFDM_16 QAM_Outer_Full_Low_CH

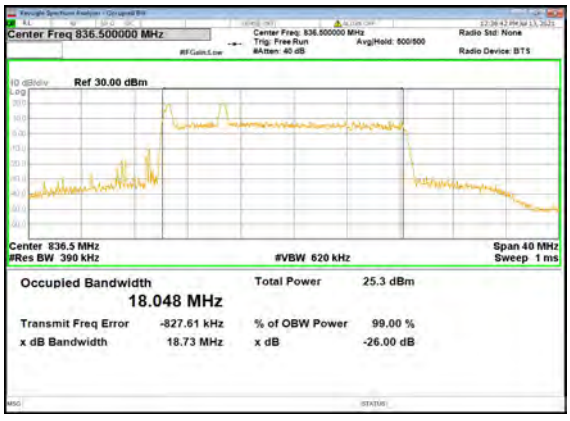
N5(20M)_DFT-s-OFDM_64 QAM_Outer_Full_Low_CH

N5(20M)_DFT-s-OFDM_256 QAM_Outer_Full_Low_CH

N5(20M)_CP-OFDM_QPSK_Outer_Full_ Low_CH

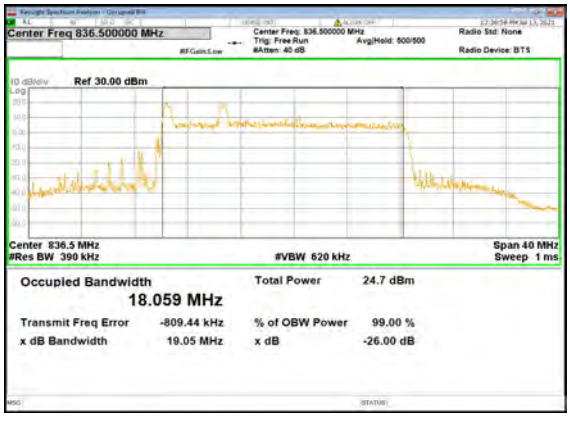
N5(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

N5(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

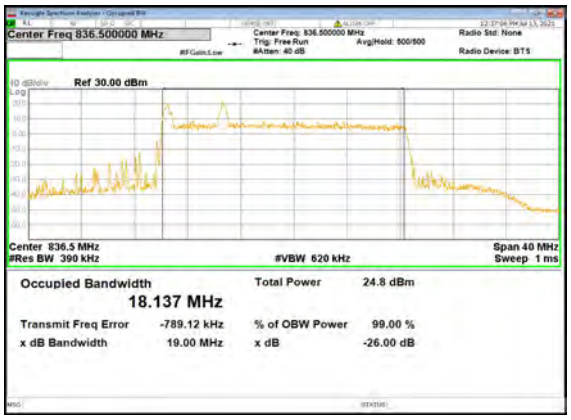


N5(20M)_DFT-s-OFDM_16 QAM_Outer_Full_Mid_CH

N5(20M)_DFT-s-OFDM_64 QAM_Outer_Full_Mid_CH



N5(20M)_DFT-s-OFDM_256 QAM_Outer_Full_Mid_CH

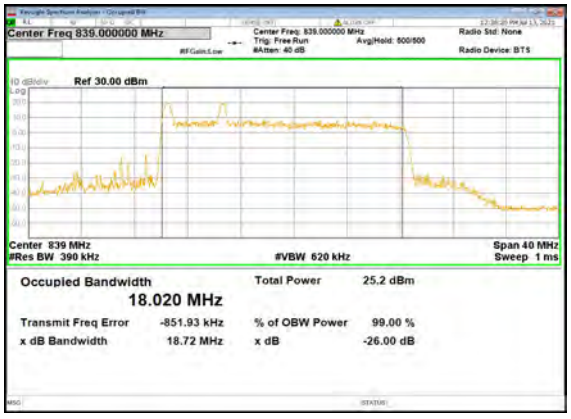


N5(20M)_CP-OFDM_QPSK_Outer_Full_ Mid_CH

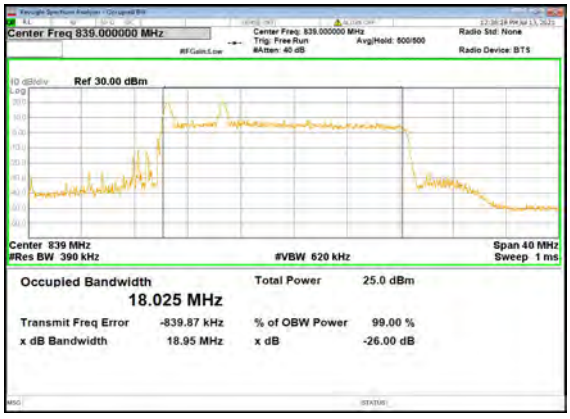
N5(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH

N5(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

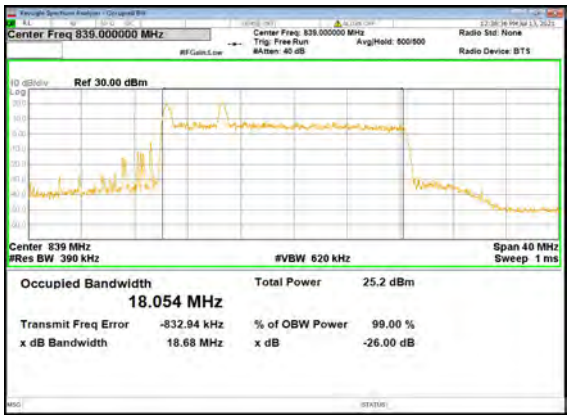
N5(20M)_DFT-s-OFDM_16 QAM_Outer_Full_High_CH



N5(20M)_DFT-s-OFDM_64 QAM_Outer_Full_High_CH

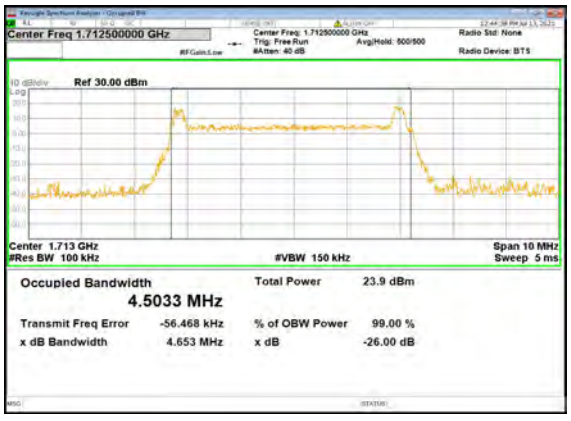


N5(20M)_DFT-s-OFDM_256 QAM_Outer_Full_High_CH

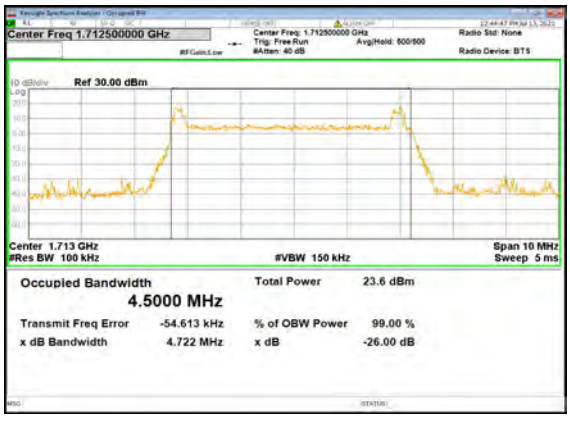


N5(20M)_CP-OFDM_QPSK_Outer_Full_ High_CH

N66(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_F ull_Low_CH



N66(5M)_DFT-s-OFDM_QPSK_Outer_Fu ll_Low_CH

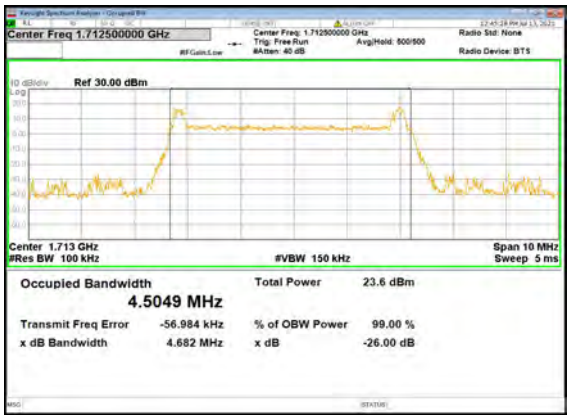


N66(5M)_DFT-s-OFDM_16 QAM_Outer_Full_Low_CH

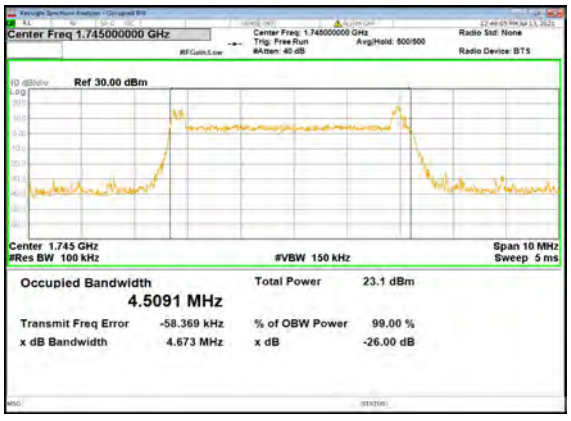
N66(5M)_DFT-s-OFDM_64 QAM_Outer_Full_Low_CH

N66(5M)_DFT-s-OFDM_256 QAM_Outer_Full_Low_CH

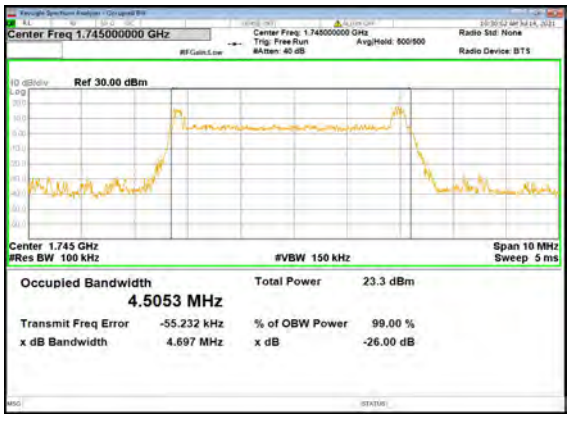
N66(5M)_CP-OFDM_QPSK_Outer_Full_ Low_CH



N66(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_F ull_Mid_CH



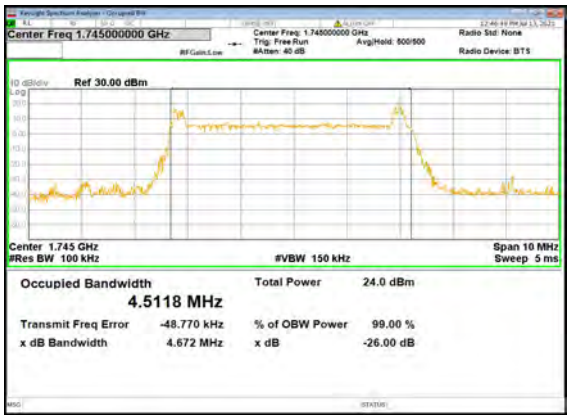
N66(5M)_DFT-s-OFDM_QPSK_Outer_Fu ll_Mid_CH



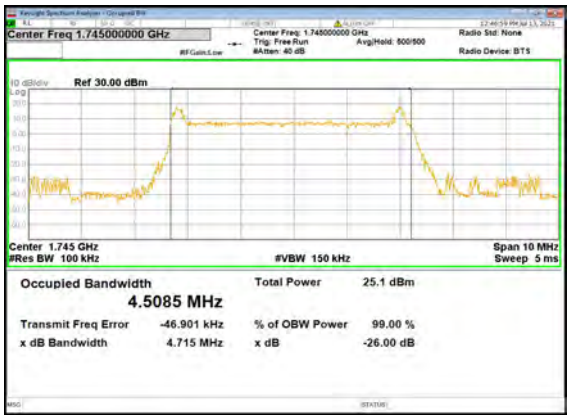
N66(5M)_DFT-s-OFDM_16 QAM_Outer_Full_Mid_CH

N66(5M)_DFT-s-OFDM_64 QAM_Outer_Full_Mid_CH

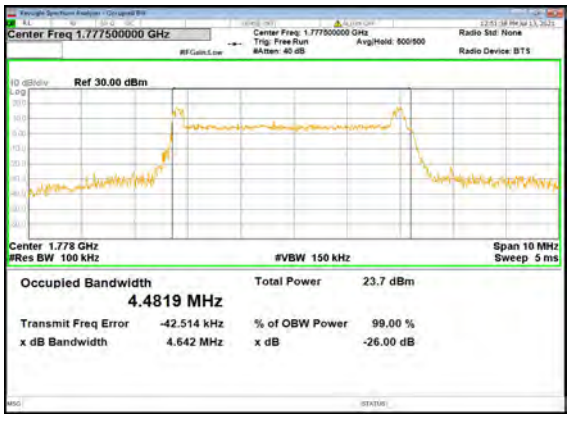
N66(5M)_DFT-s-OFDM_256 QAM_Outer_Full_Mid_CH



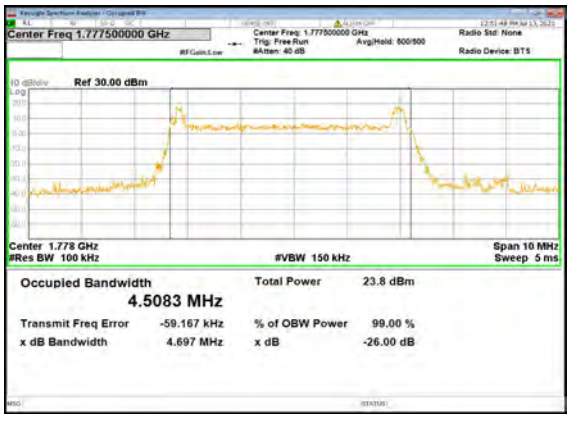
N66(5M)_CP-OFDM_QPSK_Outer_Full_ Mid_CH



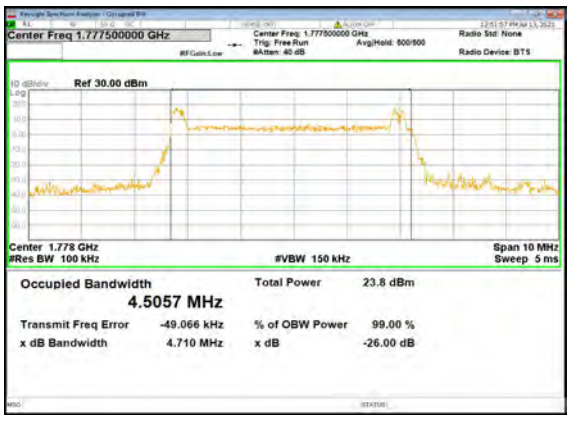
N66(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



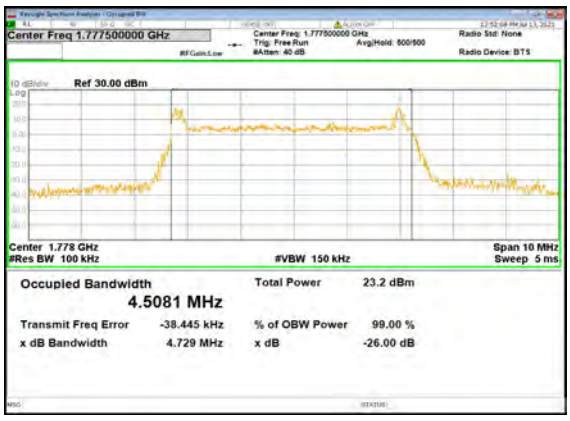
N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



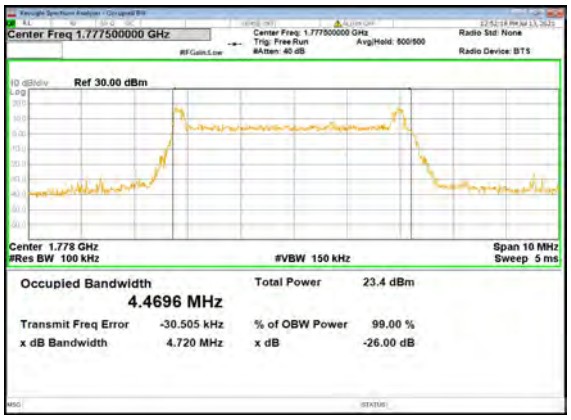
N66(5M)_DFT-s-OFDM_16 QAM_Outer_Full_High_CH



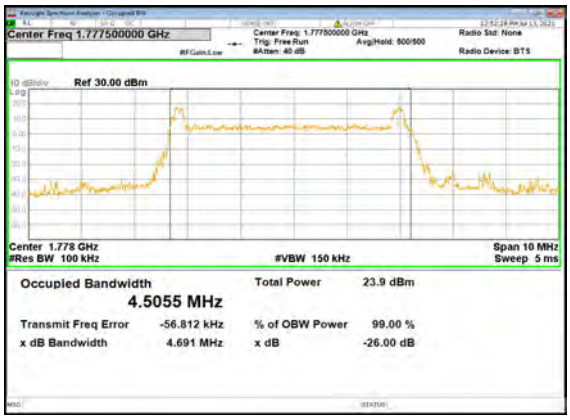
N66(5M)_DFT-s-OFDM_64 QAM_Outer_Full_High_CH



N66(5M)_DFT-s-OFDM_256 QAM_Outer_Full_High_CH

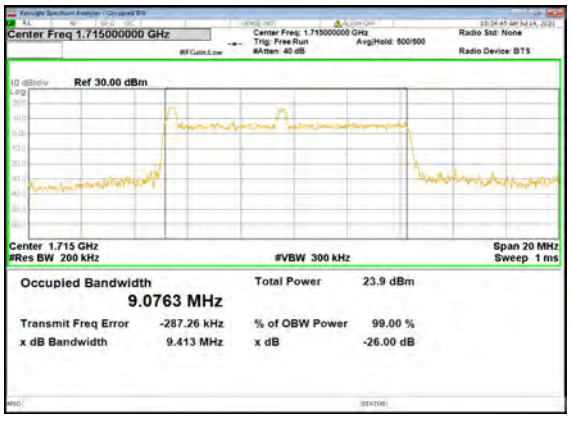


N66(5M)_CP-OFDM_QPSK_Outer_Full_ High_CH

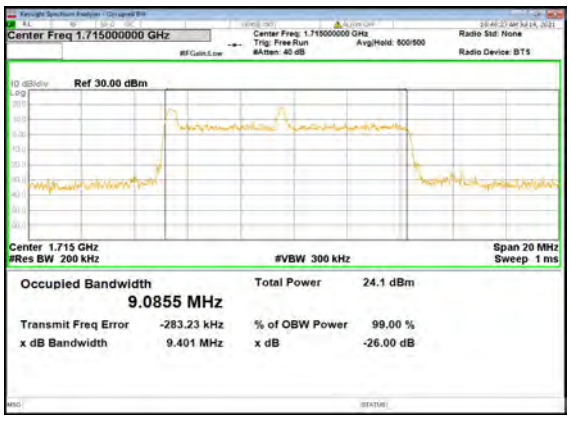


N66(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_ Full_Low_CH

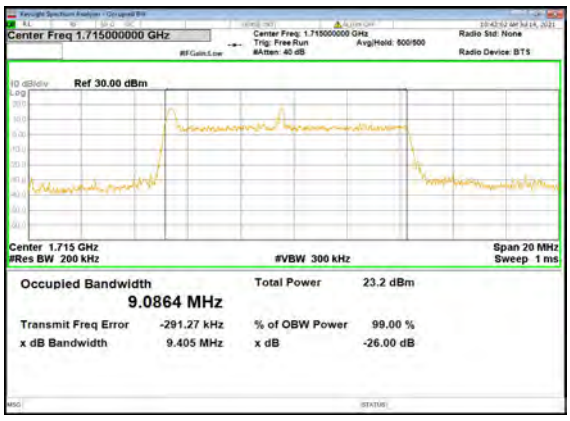
N66(10M)_DFT-s-OFDM_QPSK_Outer_F ull_Low_CH



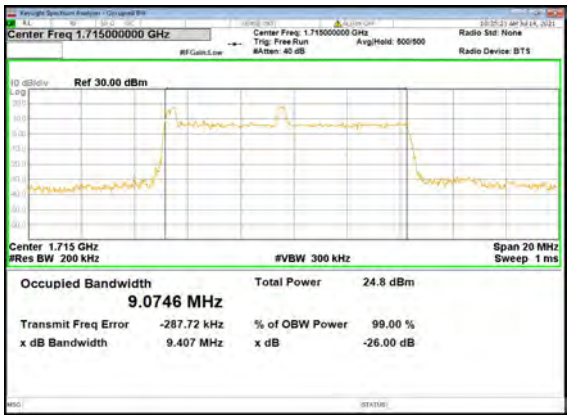
N66(10M)_DFT-s-OFDM_16 QAM_Outer_Full_Low_CH



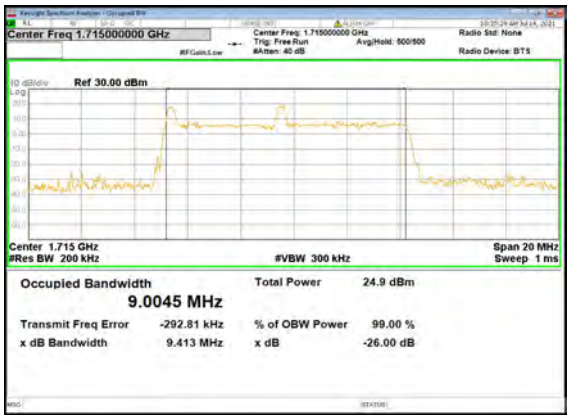
N66(10M)_DFT-s-OFDM_64 QAM_Outer_Full_Low_CH



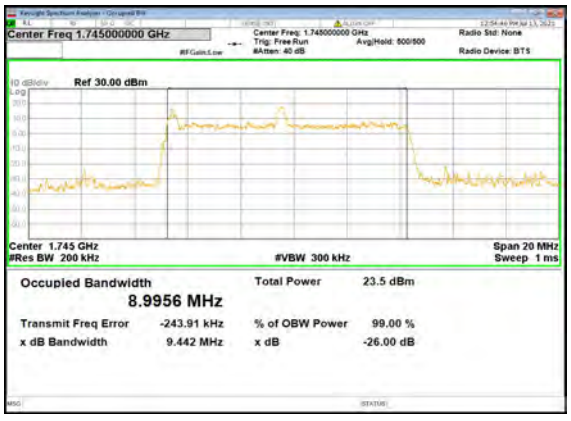
N66(10M)_DFT-s-OFDM_256 QAM_Outer_Full_Low_CH



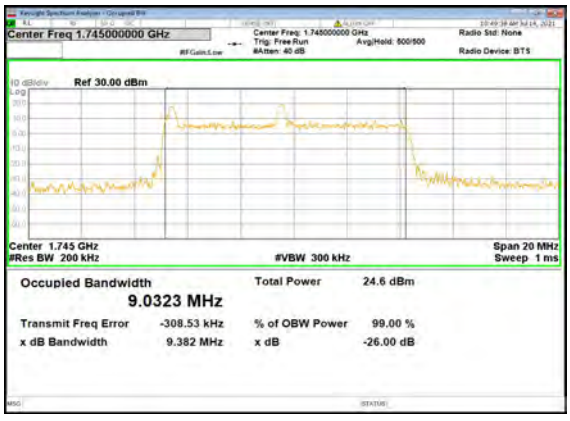
N66(10M)_CP-OFDM_QPSK_Outer_Full _Low_CH



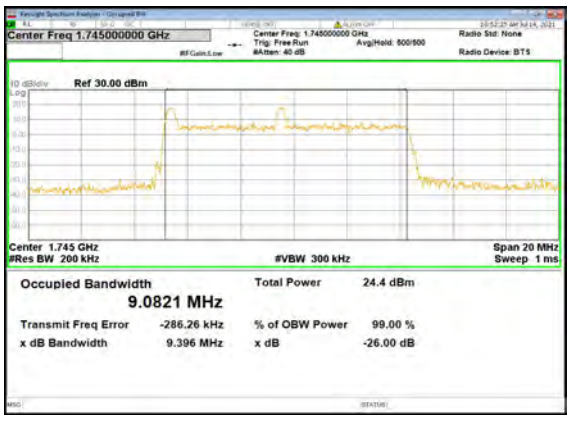
N66(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_ Full_Mid_CH



N66(10M)_DFT-s-OFDM_QPSK_Outer_F ull_Mid_CH

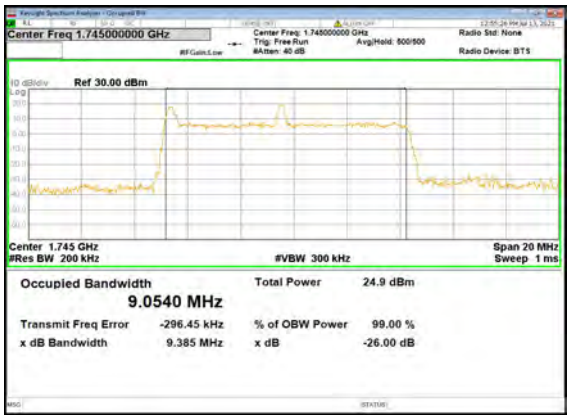


N66(10M)_DFT-s-OFDM_16 QAM_Outer_Full_Mid_CH

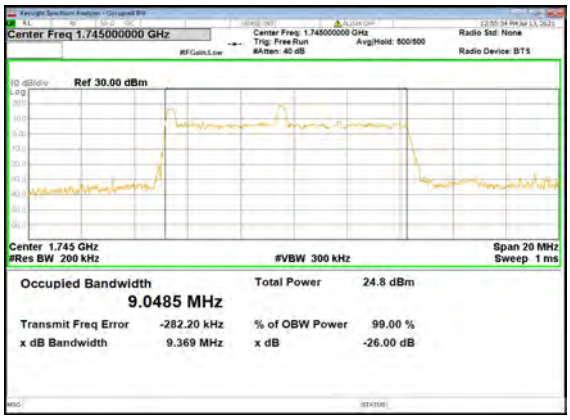


N66(10M)_DFT-s-OFDM_64 QAM_Outer_Full_Mid_CH

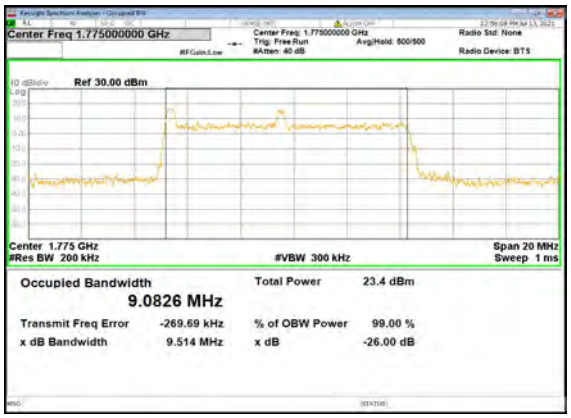
N66(10M)_DFT-s-OFDM_256 QAM_Outer_Full_Mid_CH



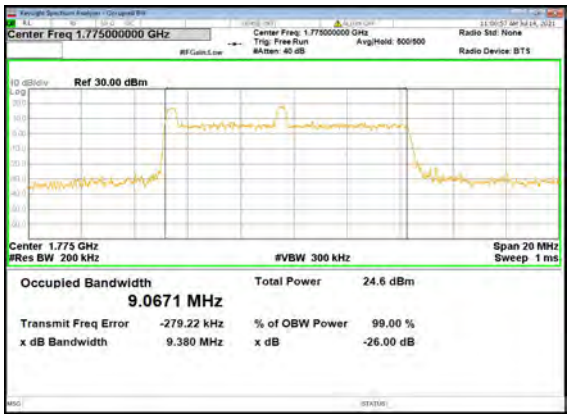
N66(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N66(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH

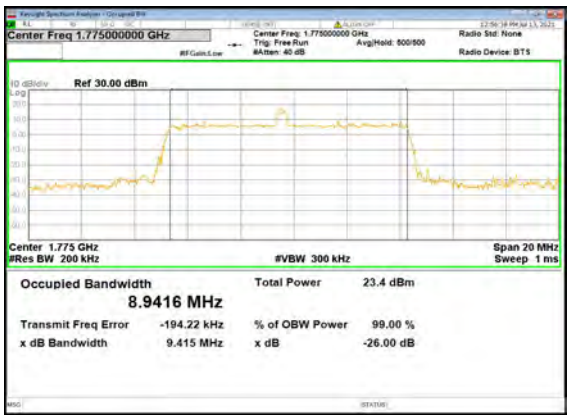


N66(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

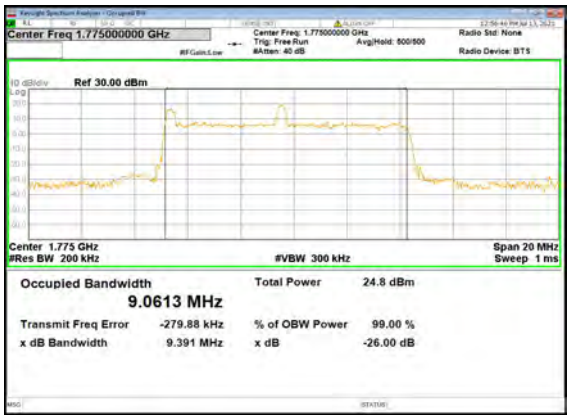


N66(10M)_DFT-s-OFDM_16 QAM_Outer_Full_High_CH

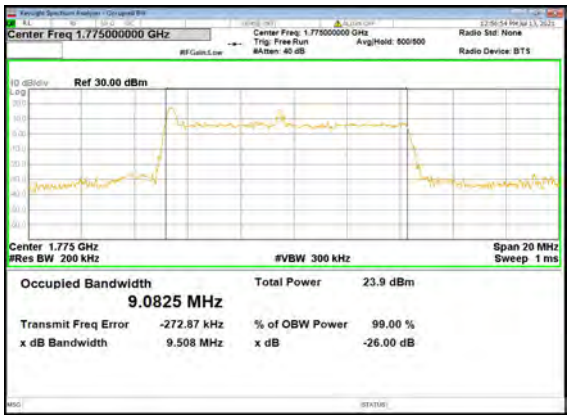
N66(10M)_DFT-s-OFDM_64 QAM_Outer_Full_High_CH



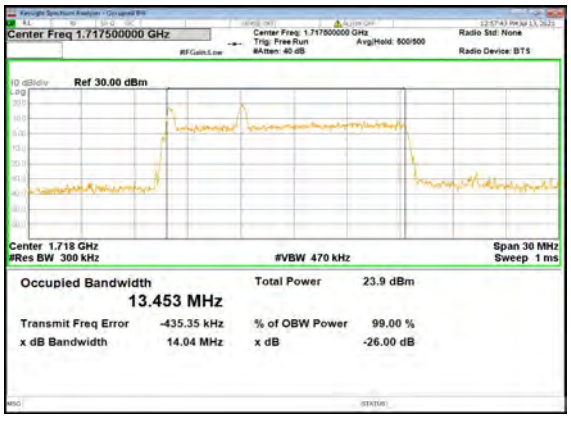
N66(10M)_DFT-s-OFDM_256 QAM_Outer_Full_High_CH



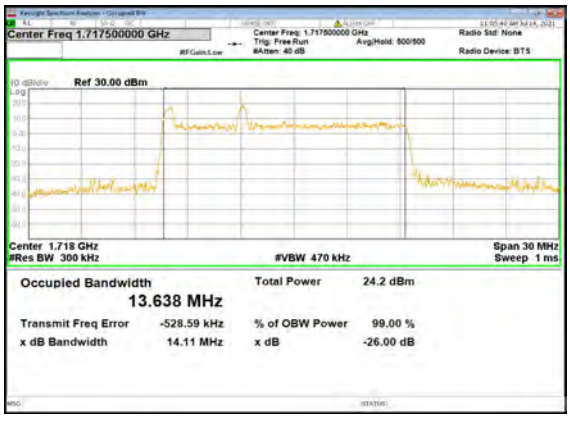
N66(10M)_CP-OFDM_QPSK_Outer_Full _High_CH



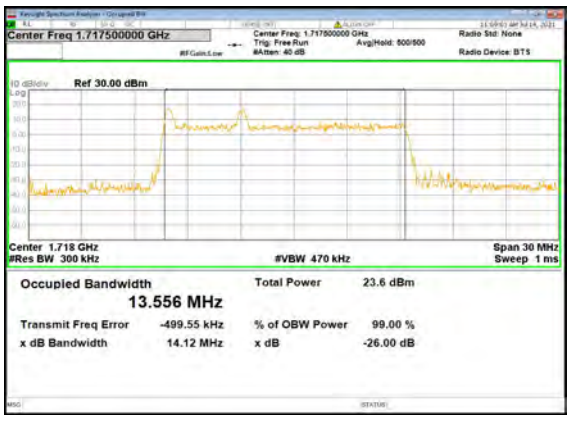
N66(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_ Full_Low_CH



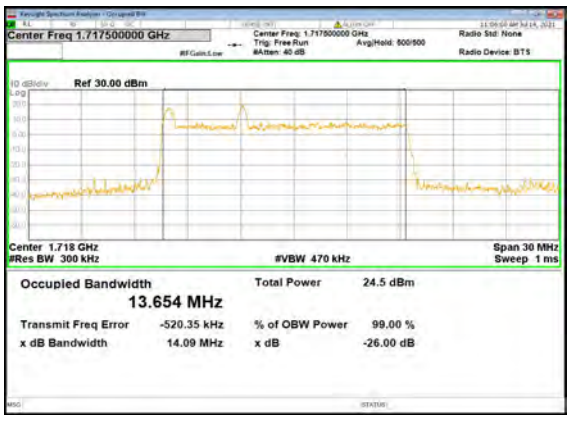
N66(15M)_DFT-s-OFDM_QPSK_Outer_F ull_Low_CH



N66(15M)_DFT-s-OFDM_16 QAM_Outer_Full_Low_CH

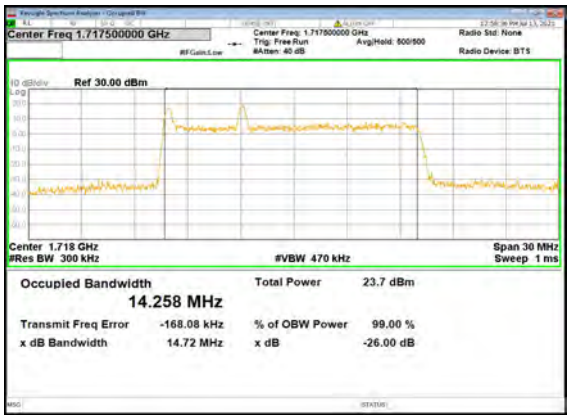


N66(15M)_DFT-s-OFDM_64 QAM_Outer_Full_Low_CH

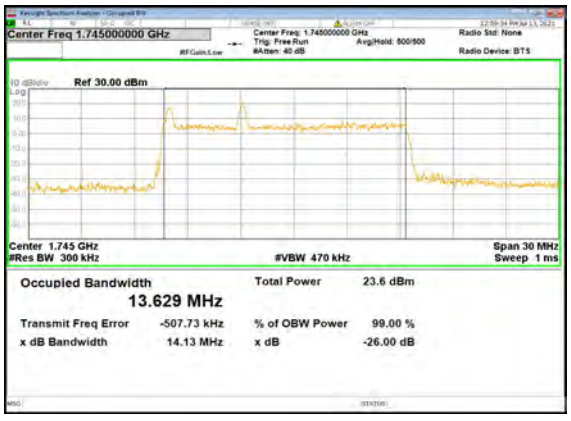


N66(15M)_DFT-s-OFDM_256 QAM_Outer_Full_Low_CH

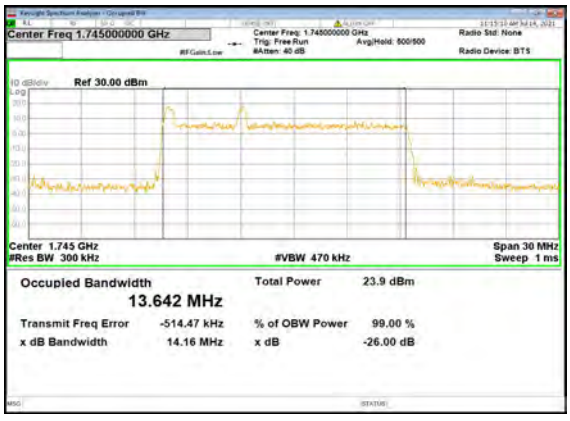
N66(15M)_CP-OFDM_QPSK_Outer_Full _Low_CH



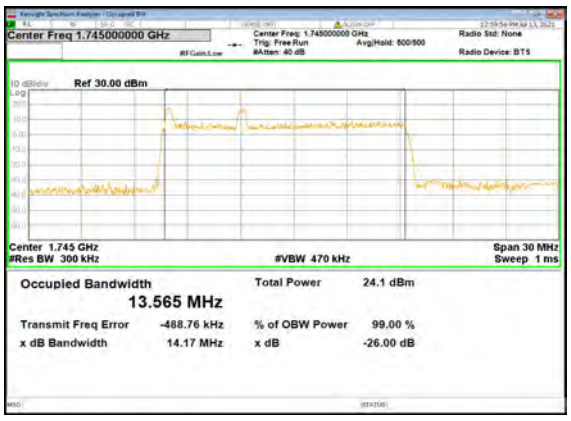
N66(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_ Full_Mid_CH



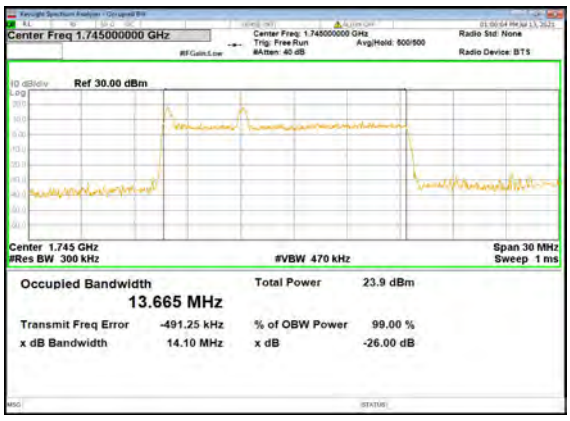
N66(15M)_DFT-s-OFDM_QPSK_Outer_F ull_Mid_CH



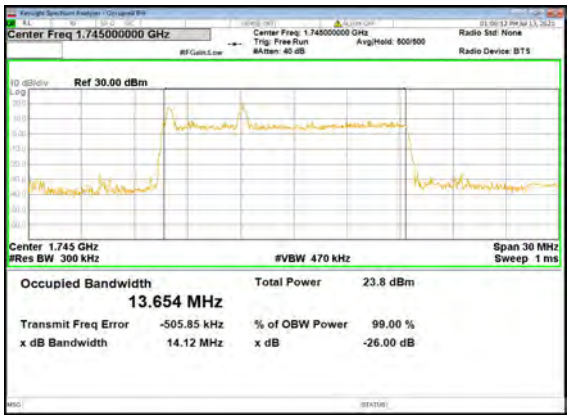
N66(15M)_DFT-s-OFDM_16 QAM_Outer_Full_Mid_CH



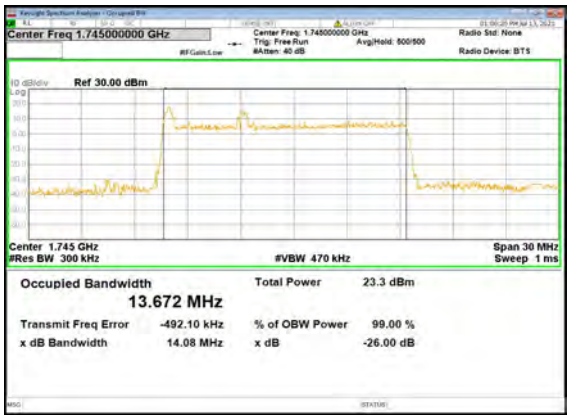
N66(15M)_DFT-s-OFDM_64 QAM_Outer_Full_Mid_CH



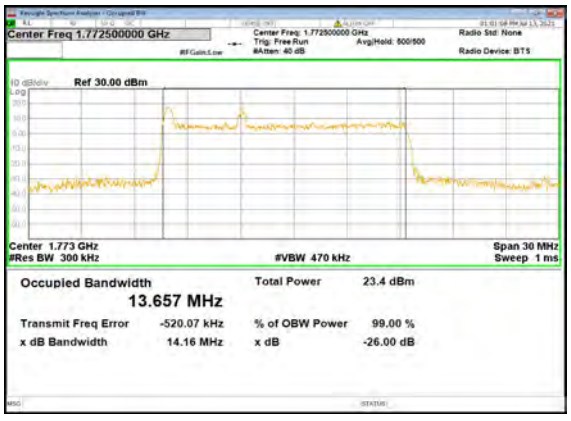
N66(15M)_DFT-s-OFDM_256 QAM_Outer_Full_Mid_CH



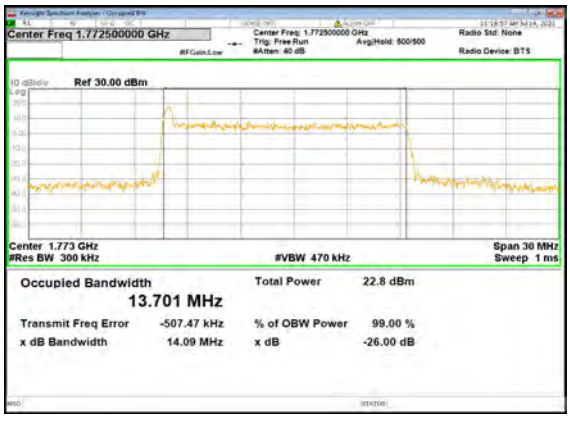
N66(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



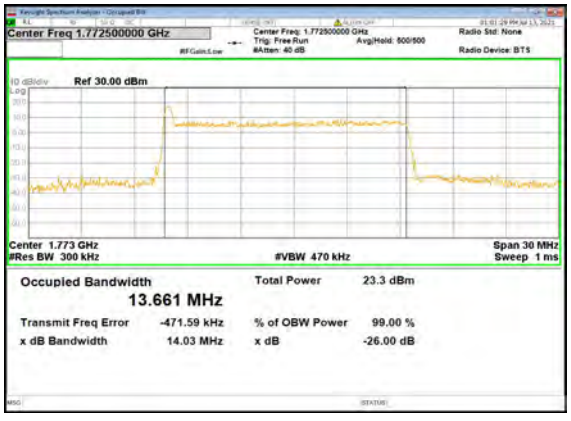
N66(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



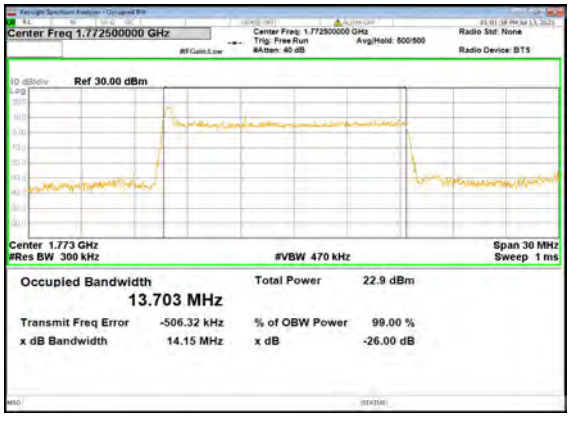
N66(15M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



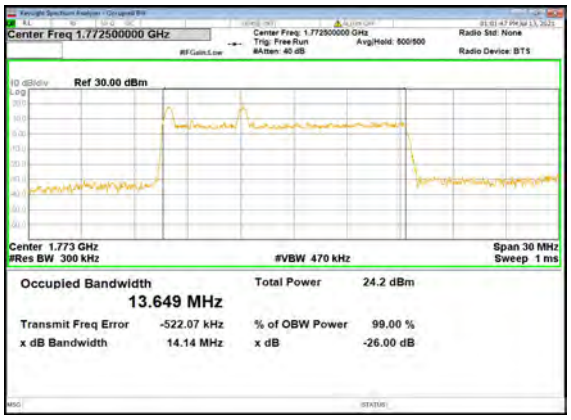
N66(15M)_DFT-s-OFDM_16 QAM_Outer_Full_High_CH



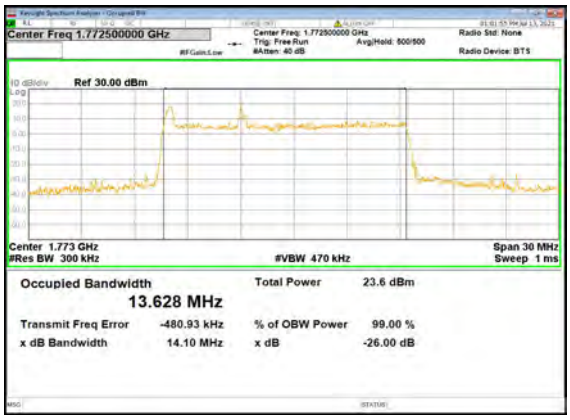
N66(15M)_DFT-s-OFDM_64 QAM_Outer_Full_High_CH



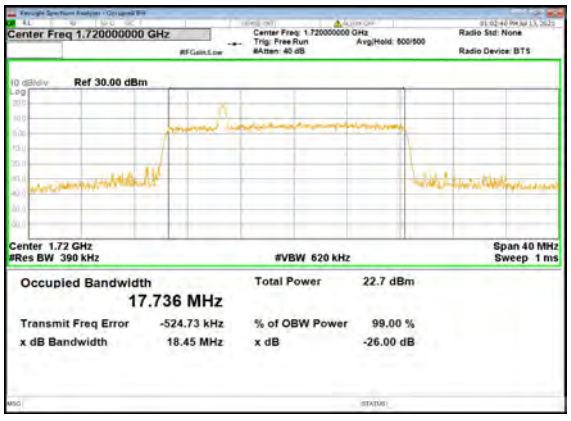
N66(15M)_DFT-s-OFDM_256 QAM_Outer_Full_High_CH



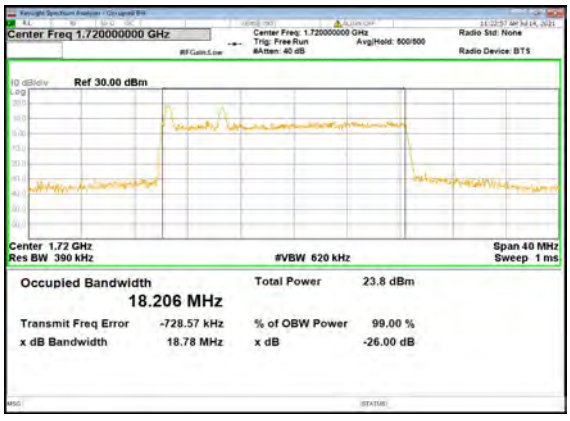
N66(15M)_CP-OFDM_QPSK_Outer_Full _High_CH



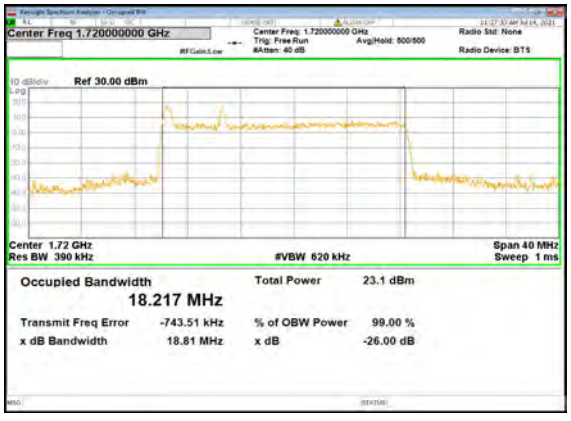
N66(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_ Full_Low_CH



N66(20M)_DFT-s-OFDM_QPSK_Outer_F ull_Low_CH

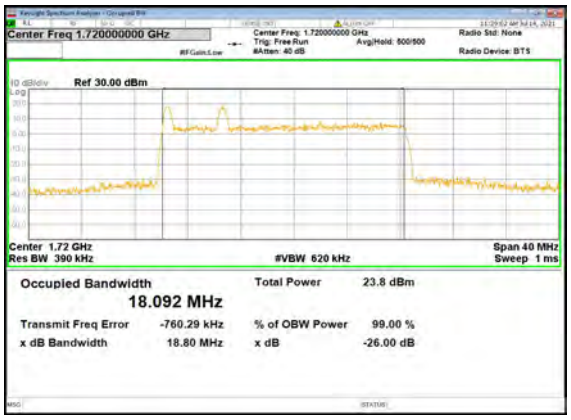


N66(20M)_DFT-s-OFDM_16 QAM_Outer_Full_Low_CH



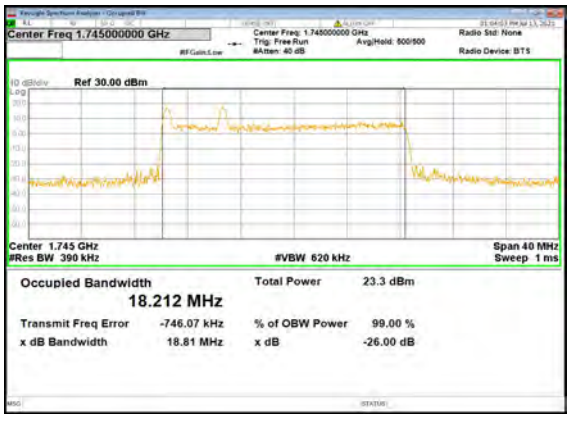
N66(20M)_DFT-s-OFDM_64 QAM_Outer_Full_Low_CH

N66(20M)_DFT-s-OFDM_256 QAM_Outer_Full_Low_CH

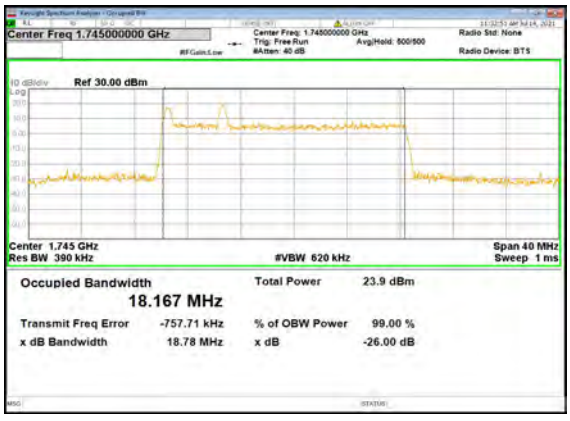


N66(20M)_CP-OFDM_QPSK_Outer_Full _Low_CH

N66(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_ Full_Mid_CH



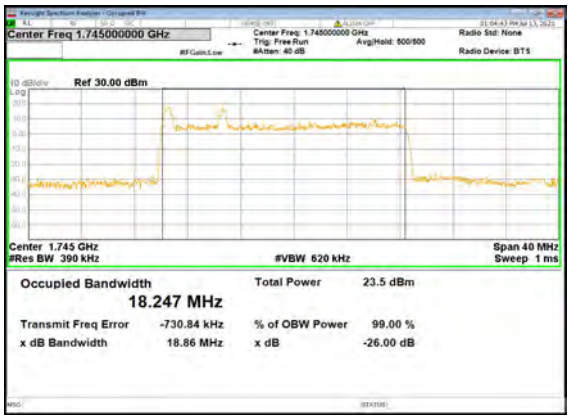
N66(20M)_DFT-s-OFDM_QPSK_Outer_F ull_Mid_CH



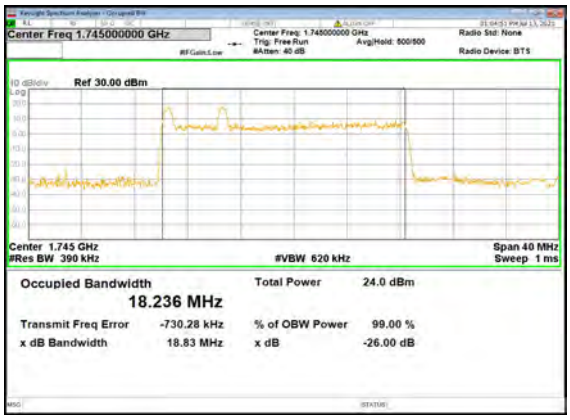
N66(20M)_DFT-s-OFDM_16 QAM_Outer_Full_Mid_CH

N66(20M)_DFT-s-OFDM_64 QAM_Outer_Full_Mid_CH

N66(20M)_DFT-s-OFDM_256 QAM_Outer_Full_Mid_CH

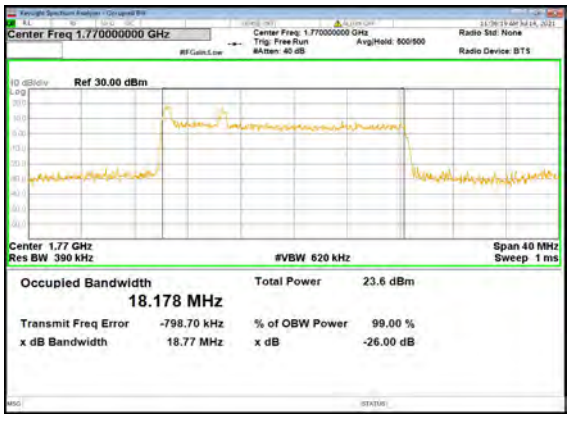


N66(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N66(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH

N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N66(20M)_DFT-s-OFDM_16 QAM_Outer_Full_High_CH

N66(20M)_DFT-s-OFDM_64 QAM_Outer_Full_High_CH

N66(20M)_DFT-s-OFDM_256 QAM_Outer_Full_High_CH

N66(20M)_CP-OFDM_QPSK_Outer_Full _High_CH

2.3. Frequency Stability

2.3.1. Requirement

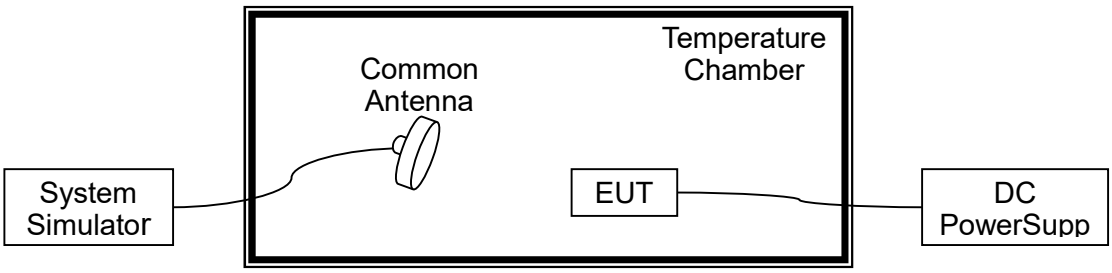
According to FCC section 2.1055 & 22.355 & 27.54 & 24.235, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

(a) The temperature is varied from -30°C to +50°C at intervals of not more than 10°C.

(b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

Note: The operating temperature of EUT is from 0°C to 35°C, which are specified by the applicant.

2.3.2. Test Description



The EUT which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power. A call is established between the EUT and the SS via a Common Antenna.

2.3.3. Test procedure

KDB 971168 D01v03 Section 9.0 and ANSI/TIA-603-E-2016.

2.3.4. Test Result

The nominal, highest and lowest extreme voltages are separately 3.85VDC, 4.4VDC and 3.55VDC, which are specified by the applicant; the normal temperature here used is 20°C.

NR n2, QPSK, Channel 376000, SCS 15kHz, Frequency 1880MHz Limit =±2.5ppm

Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	3.85	+20（Ref）	18	0.010	PASS
100		-10	-20	-0.011	
100		0	23	0.012	
100		+10	-14	-0.007	
100		+20	-18	-0.010	
100		+30	25	0.013	
100		+40	40	0.021	
100		+50	-15	-0.008	
100		+55	28	0.015	
115	4.4	+20	20	0.011	
85	3.55	+20	32	0.017	

NR n5, QPSK, Channel 167300, SCS 15kHz, Frequency 836.5MHz Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	3.85	+20（Ref）	19	0.023	PASS
100		-10	37	0.044	
100		0	-21	-0.025	
100		+10	-26	-0.031	
100		+20	14	0.017	
100		+30	44	0.053	
100		+40	31	0.037	
100		+50	24	0.029	
100		+55	-22	-0.026	
115	4.4	+20	-20	-0.024	
85	3.55	+20	46	0.055	

NR n66, QPSK, Channel 349000, SCS 15kHz, Frequency 1745MHz Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	3.85	+20（Ref）	-14	-0.008	PASS
100		-10	26	0.015	
100		0	-18	-0.010	
100		+10	48	0.028	

100		+20	-21	-0.012	
100		+30	34	0.019	
100		+40	24	0.014	
100		+50	29	0.017	
100		+55	35	0.020	
115	4.4	+20	40	0.023	
85	3.55	+20	25	0.014	

2.4. Peak to Average Ratio

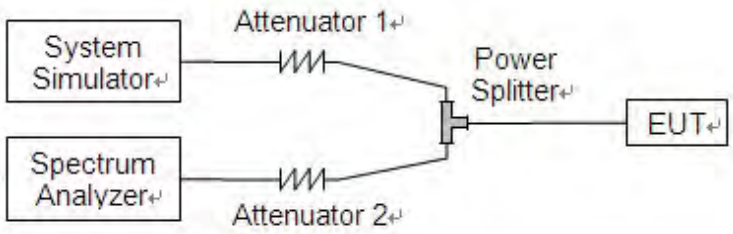
2.4.1. Requirement

According to FCC section 24.232(d), the peak to average ratio (PAR) of the transmission may not exceed 13dB.

According to FCC section 27.50(d)(5), the peak to average ratio (PAR) of the transmission may not exceed 13dB.

2.4.2. Test Description

Test Set:



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.

2.4.3. Test procedure

KDB 971168 D01v03 Section 5.7 and ANSI/TIA-603-E-2016.

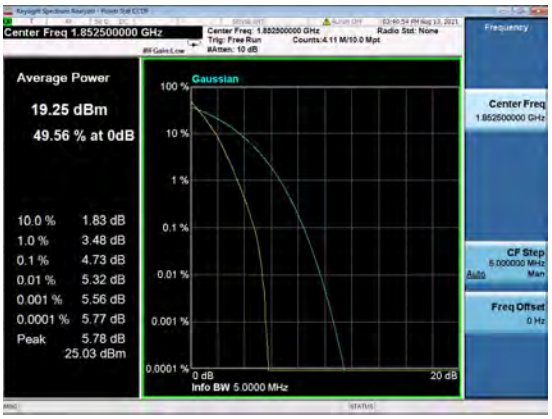
2.4.4. Test Result

Record the maximum PAPR level associated with a probability of 0.1%.

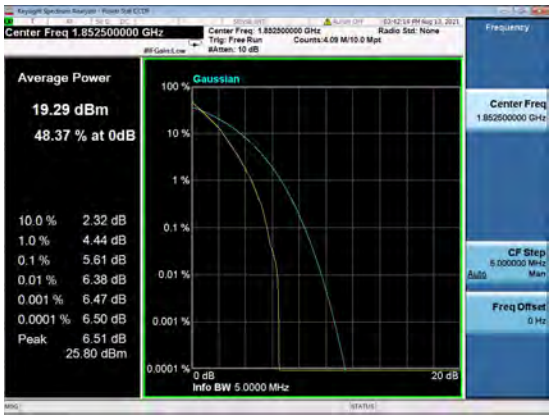
N2					
BW(MHz)	**Channel Level**	**Modulation**	**Peak to Average Radio(dB)**	**Limit (dB)**	**Verdict**
5	Low	BPSK	4.73	<=13	PASS
5	Low	QPSK	5.61	<=13	PASS
5	Mid	BPSK	4.59	<=13	PASS
5	Mid	QPSK	5.61	<=13	PASS
5	High	BPSK	4.68	<=13	PASS
5	High	QPSK	5.18	<=13	PASS
10	Low	BPSK	4.61	<=13	PASS
10	Low	QPSK	5.82	<=13	PASS
10	Mid	BPSK	4.63	<=13	PASS
10	Mid	QPSK	5.37	<=13	PASS
10	High	BPSK	4.57	<=13	PASS
10	High	QPSK	4.68	<=13	PASS
15	Low	BPSK	4.16	<=13	PASS
15	Low	QPSK	4.64	<=13	PASS
15	Mid	BPSK	4.82	<=13	PASS
15	Mid	QPSK	5.38	<=13	PASS
15	High	BPSK	4.35	<=13	PASS
15	High	QPSK	4.68	<=13	PASS
20	Low	BPSK	4.78	<=13	PASS
20	Low	QPSK	5.25	<=13	PASS
20	Mid	BPSK	4.71	<=13	PASS
20	Mid	QPSK	5.24	<=13	PASS
20	High	BPSK	5.21	<=13	PASS
20	High	QPSK	5.36	<=13	PASS

N66					
BW(MHz)	Channel Level	Modulation	Peak to Average Radio(dB)	Limit (dB)	Verdict
5	Low	BPSK	4.56	<=13	PASS
5	Low	QPSK	5.48	<=13	PASS
5	Mid	BPSK	4.64	<=13	PASS
5	Mid	QPSK	5.62	<=13	PASS
5	High	BPSK	4.62	<=13	PASS
5	High	QPSK	5.56	<=13	PASS
10	Low	BPSK	4.66	<=13	PASS
10	Low	QPSK	5.56	<=13	PASS
10	Mid	BPSK	4.72	<=13	PASS
10	Mid	QPSK	5.81	<=13	PASS
10	High	BPSK	4.59	<=13	PASS
10	High	QPSK	5.59	<=13	PASS
15	Low	BPSK	4.76	<=13	PASS
15	Low	QPSK	5.61	<=13	PASS
15	Mid	BPSK	4.79	<=13	PASS
15	Mid	QPSK	5.64	<=13	PASS
15	High	BPSK	4.79	<=13	PASS
15	High	QPSK	5.63	<=13	PASS
20	Low	BPSK	4.67	<=13	PASS
20	Low	QPSK	5.46	<=13	PASS
20	Mid	BPSK	4.83	<=13	PASS
20	Mid	QPSK	5.67	<=13	PASS
20	High	BPSK	4.82	<=13	PASS
20	High	QPSK	5.51	<=13	PASS

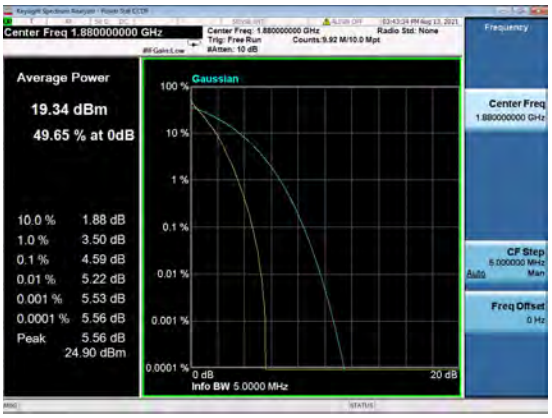
N2(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



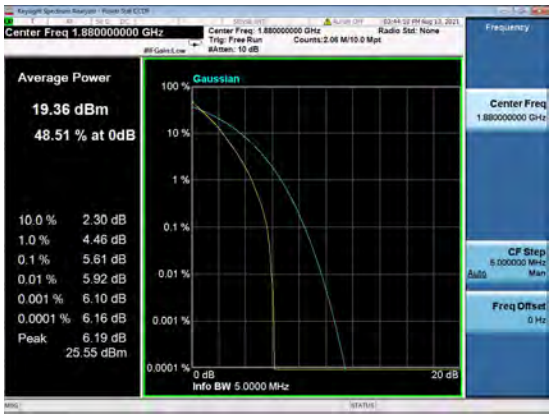
N2(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



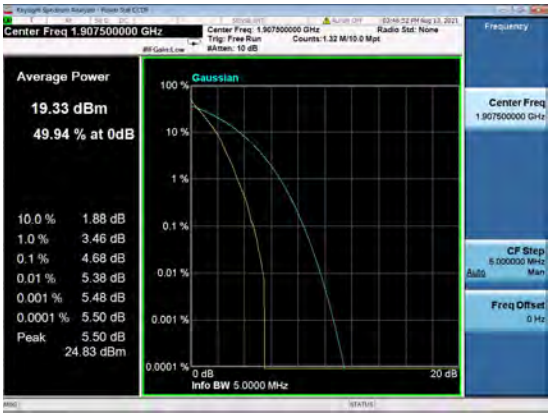
N2(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



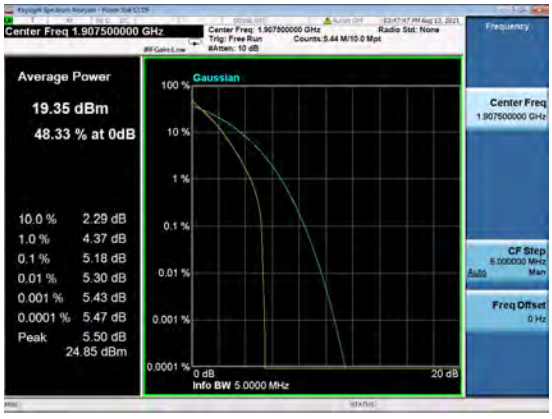
N2(5M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



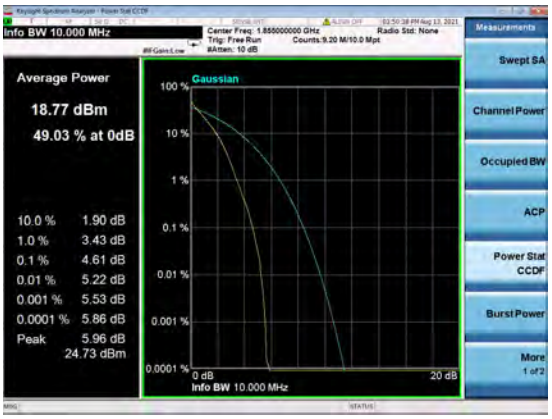
N2(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



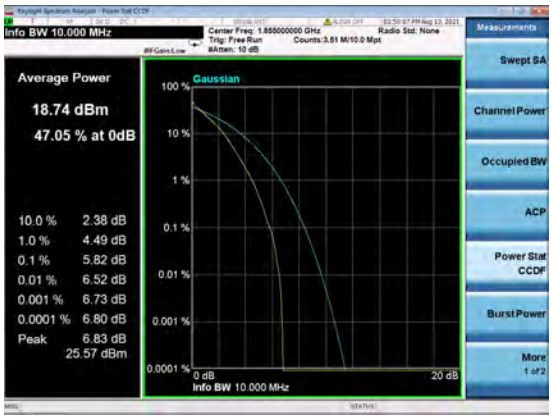
N2(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



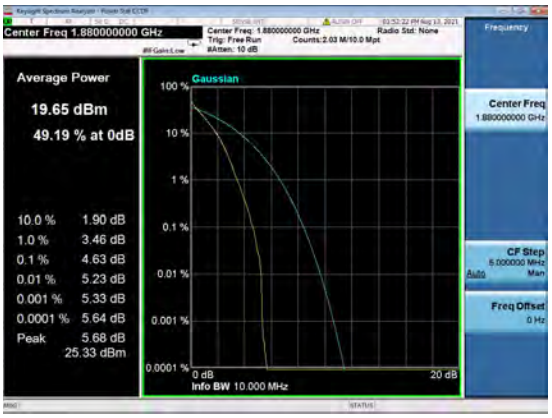
N2(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



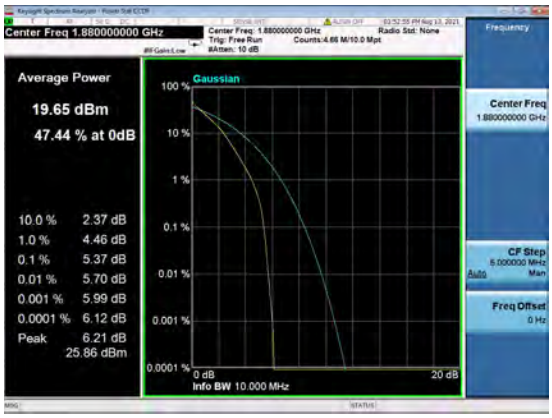
N2(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



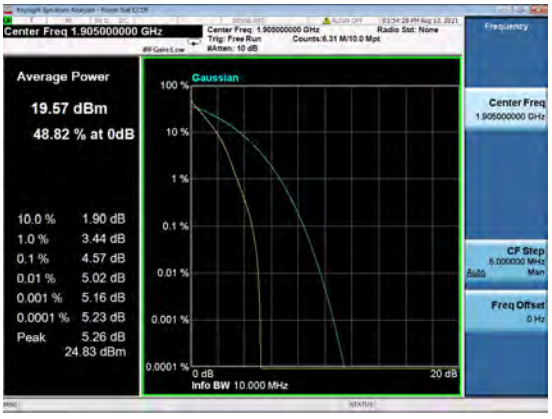
N2(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



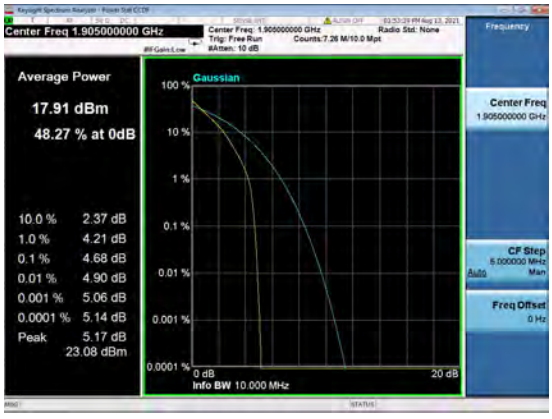
N2(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



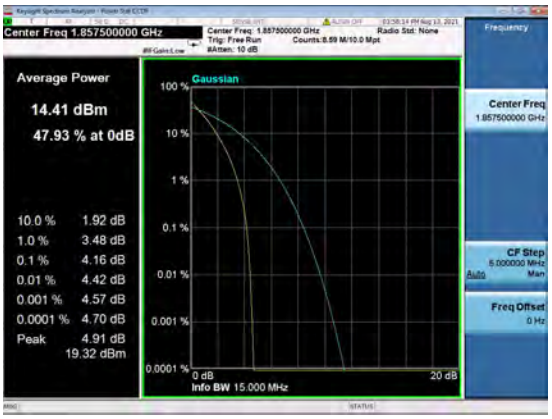
N2(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



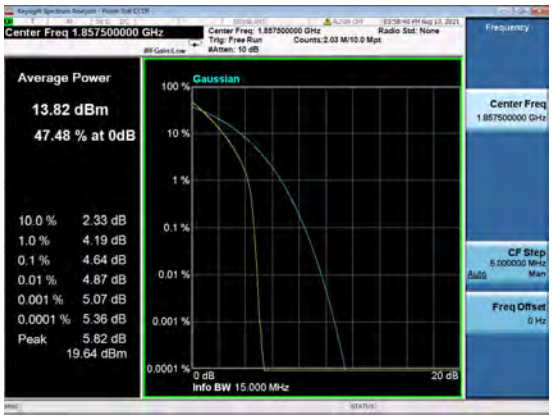
N2(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



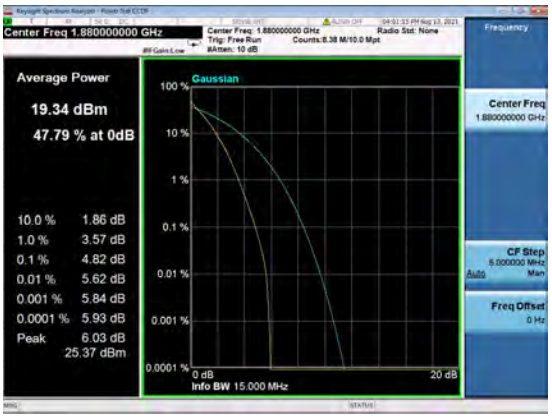
N2(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



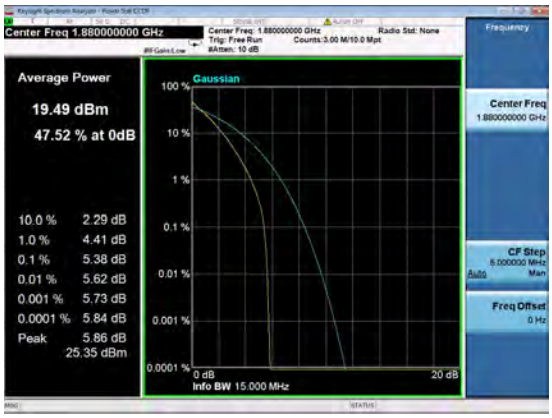
N2(15M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



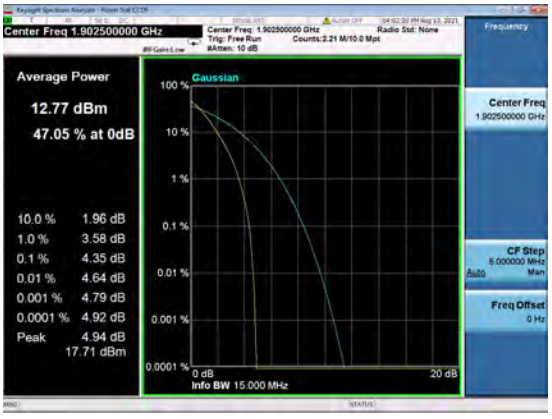
N2(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



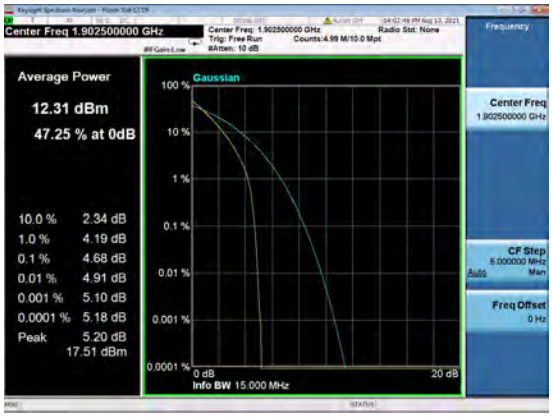
N2(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



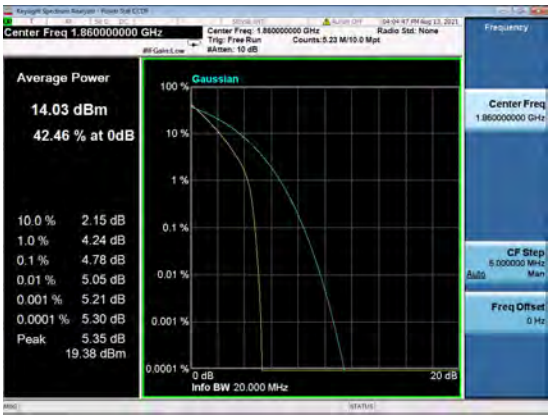
N2(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



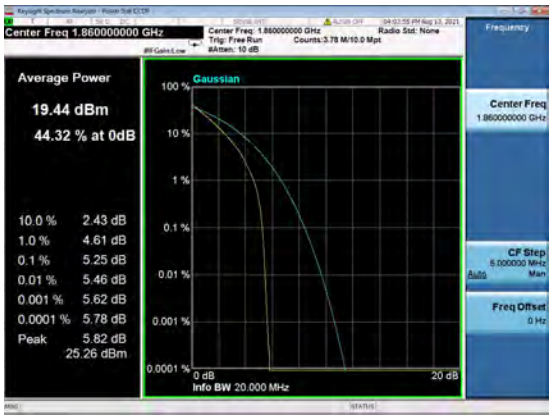
N2(15M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



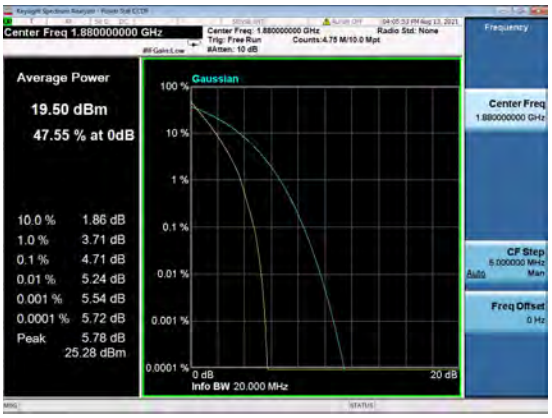
N2(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



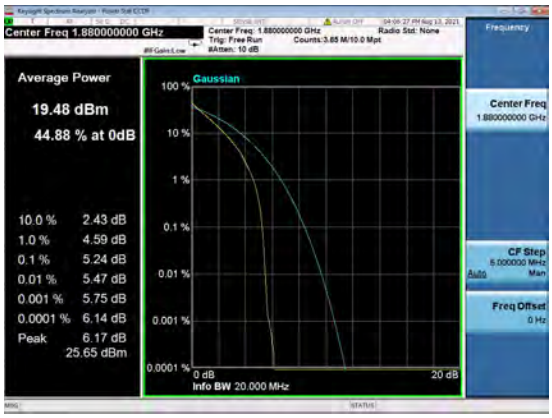
N2(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



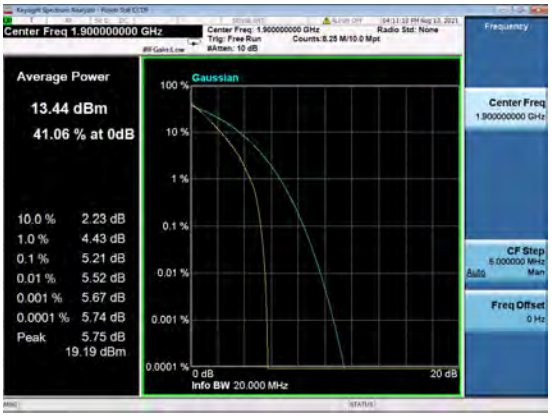
N2(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



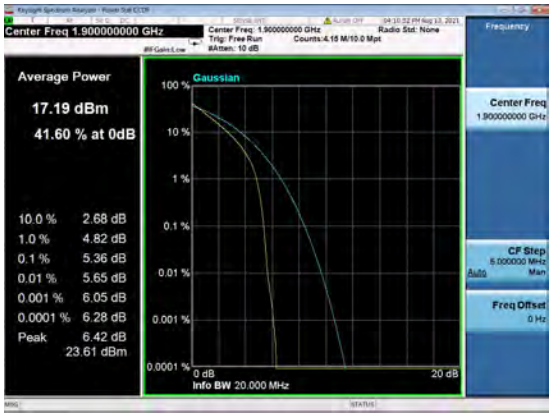
N2(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



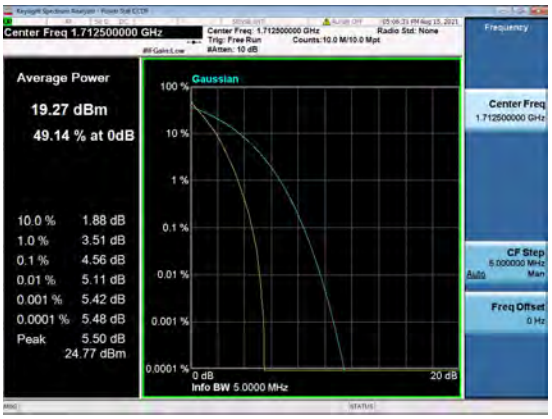
N2(20M)_DFT-s-OFDM_PI_2-BPSK_Outer Full_High_CH



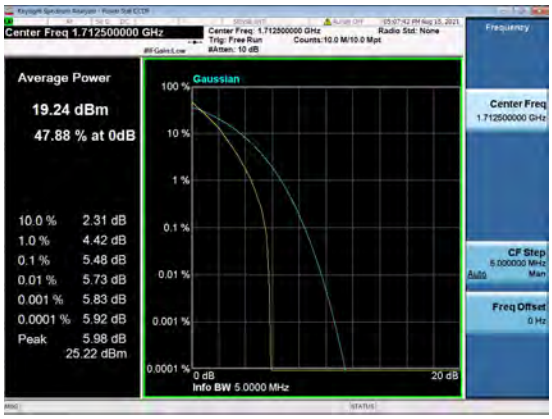
N2(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



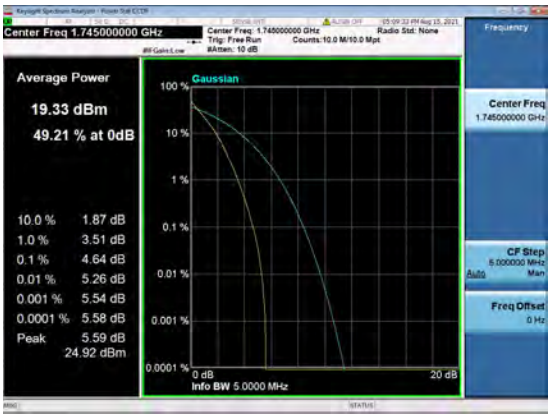
N66(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



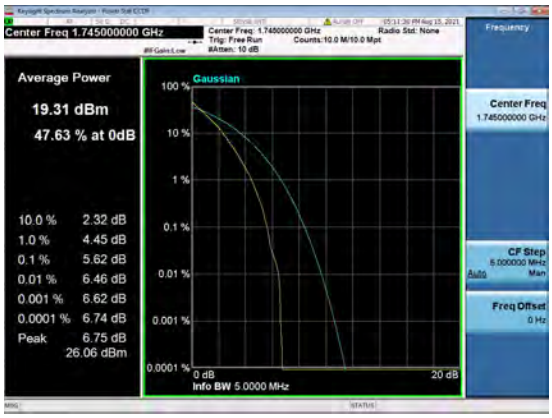
N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



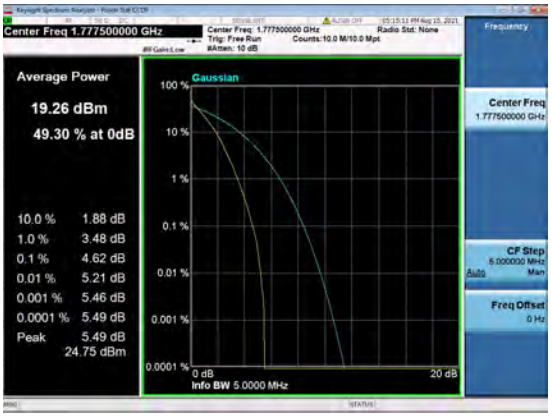
N66(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



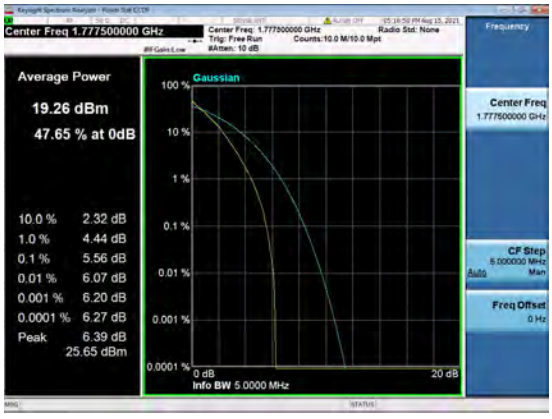
N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



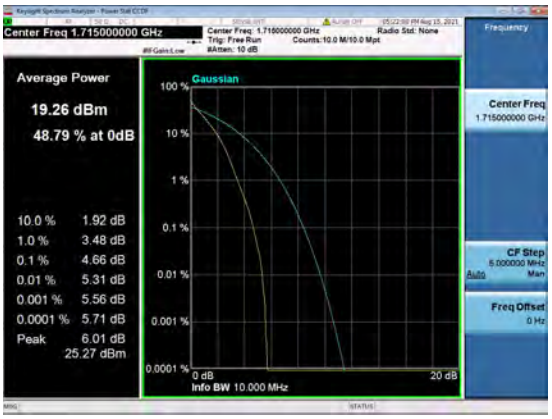
N66(5M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



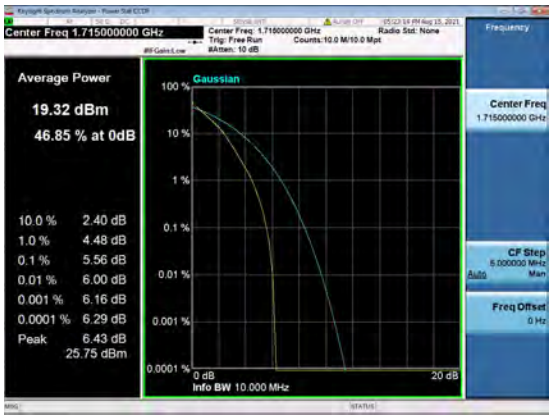
N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



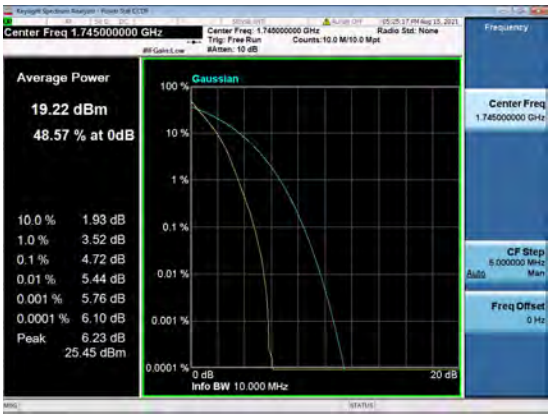
N66(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



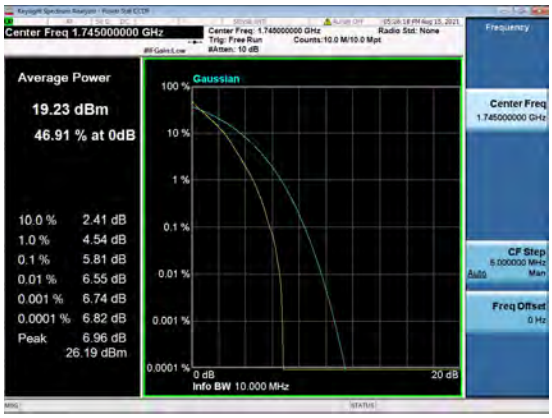
N66(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



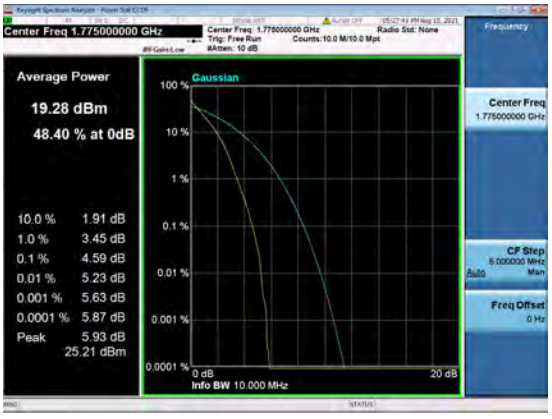
N66(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



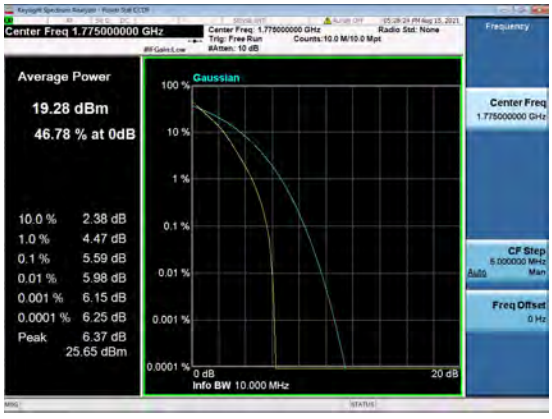
N66(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



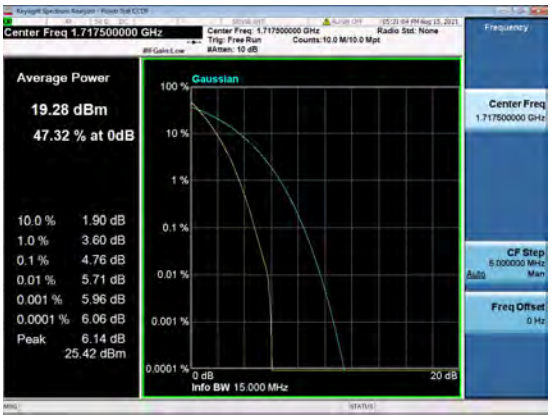
N66(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



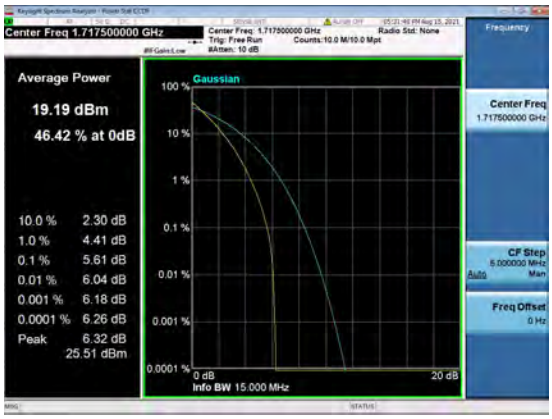
N66(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



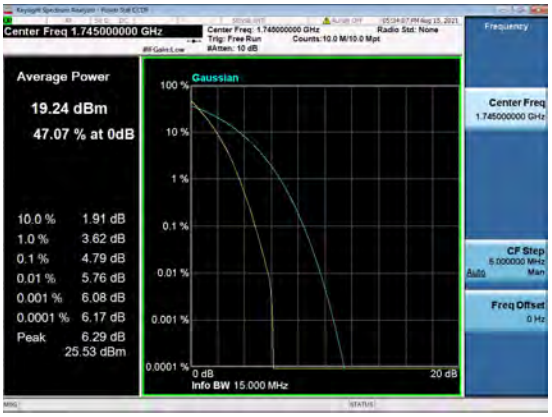
N66(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



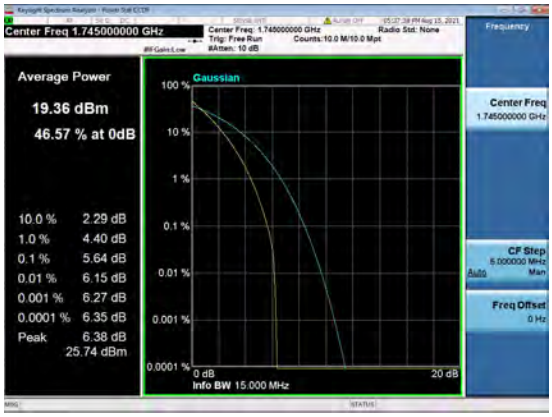
N66(15M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



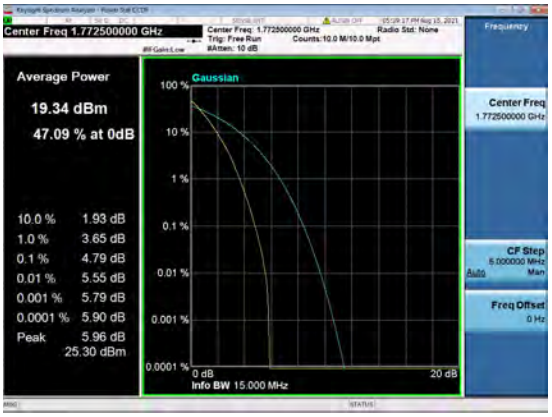
N66(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



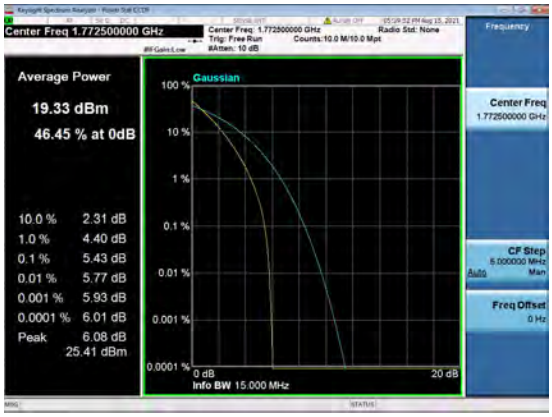
N66(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



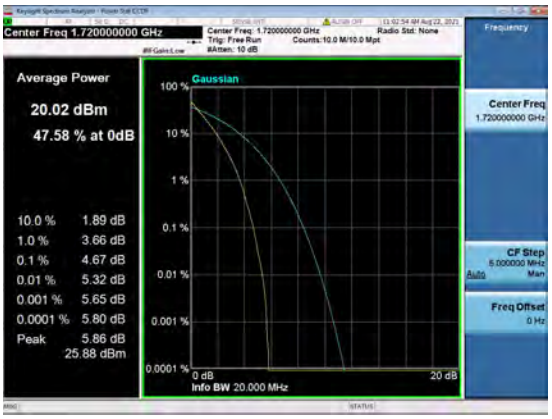
N66(15M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



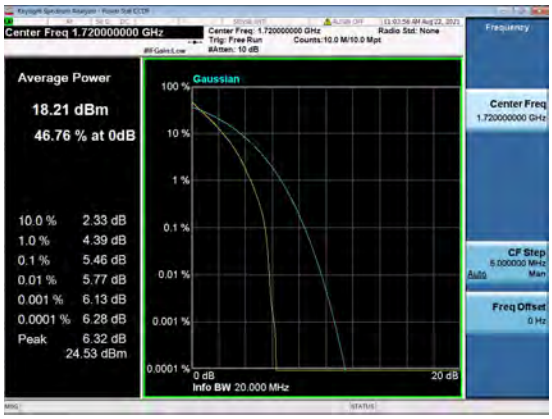
N66(15M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



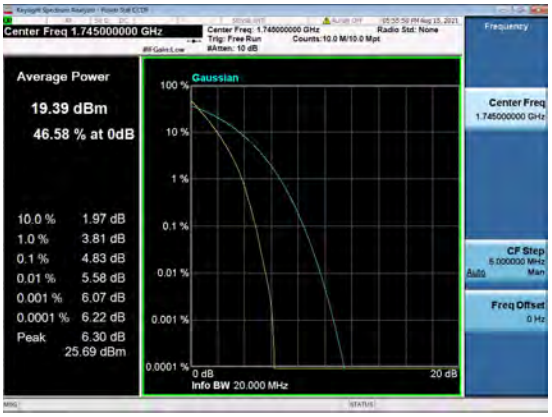
N66(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Low_CH



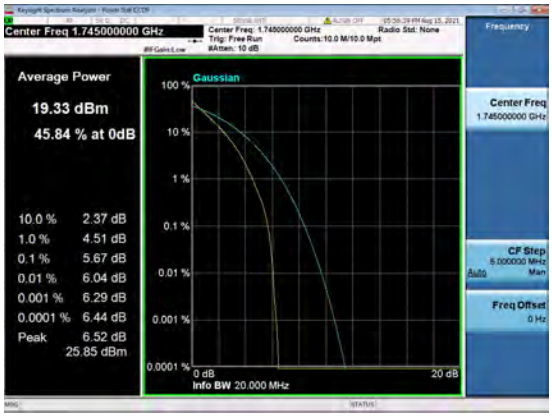
N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



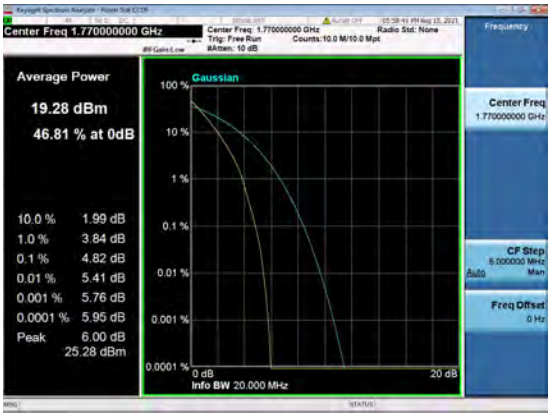
N66(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



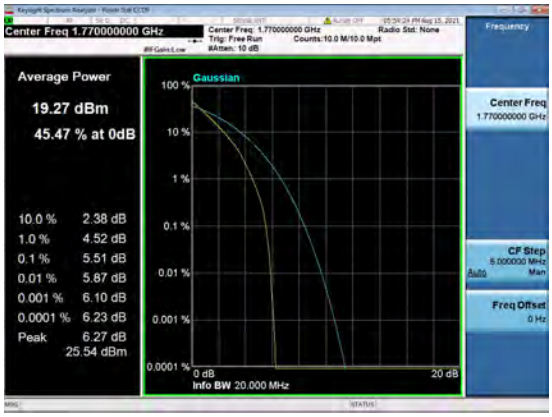
N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N66(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_High_CH



N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

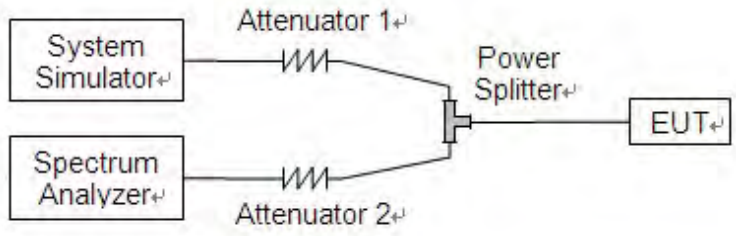


2.5. Conducted Spurious Emissions

2.5.1. Requirement

According to FCC section 2.1051, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43+10*log(P)dB. This calculated to be -13dBm.

2.5.2. Test Description



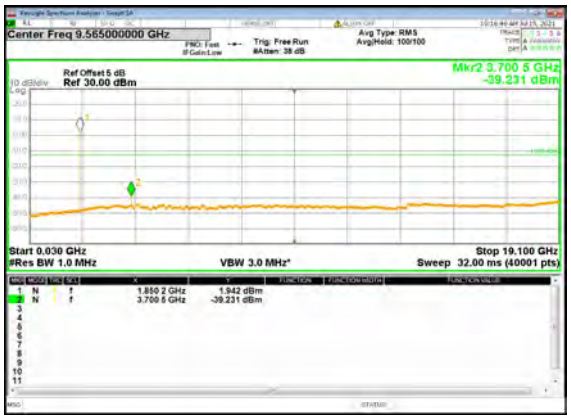
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum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

2.5.3. Test procedure

KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

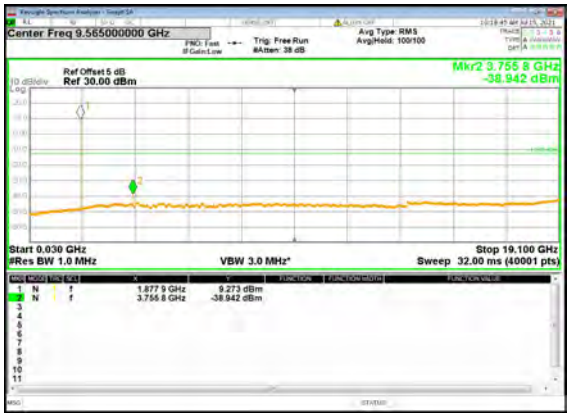
2.5.4. Test Result

N2(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N2(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

N2(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

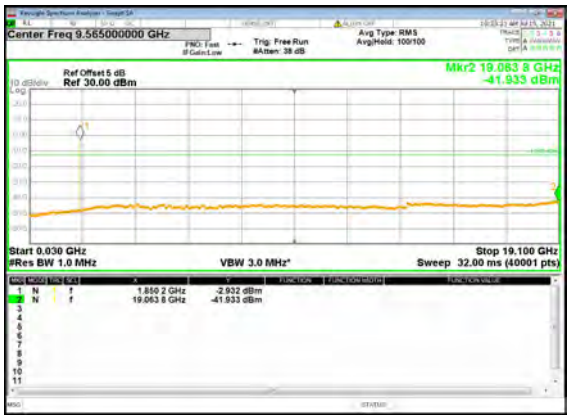


N2(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

N2(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

N2(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

N2(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N2(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

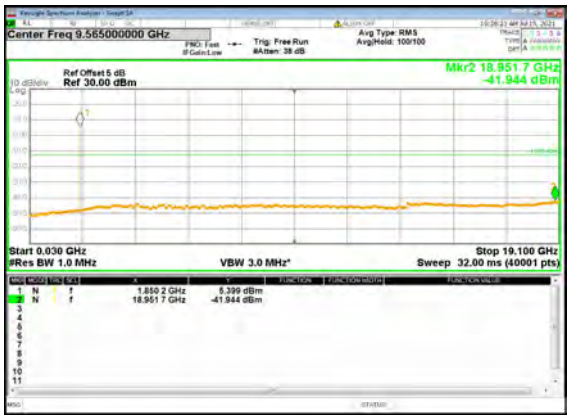
N2(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

N2(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

N2(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

N2(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

N2(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N2(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

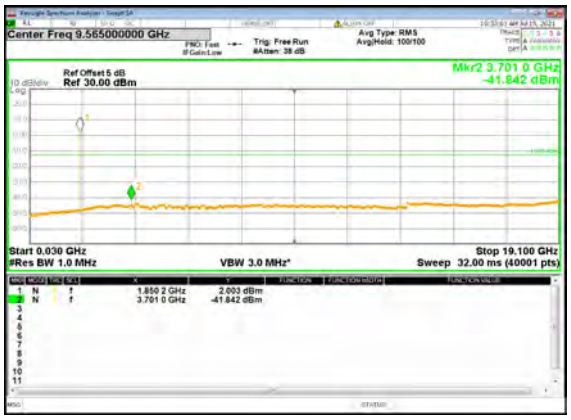
N2(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

N2(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

N2(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

N2(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

N2(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N2(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

N2(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

N2(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

N2(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

N2(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH