



REPORT No.: SZ25110195W07

TEST REPORT

APPLICANT : Horizon Powered USA Inc.

PRODUCT NAME : 5G/LTE CBRS USB-C Dongle

MODEL NAME : DG505G

BRAND NAME : Horizon

FCC ID : 2BE94-DG505

STANDARD(S) : 47 CFR Part 2
47 CFR Part 96

RECEIPT DATE : 2025-11-28

TEST DATE : 2025-12-03 to 2026-03-17

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Edited by:

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Change History		
Version	Date	Reason for change
1.0	2026-06-03	First edition

Note: the latest revision of the report supersedes all previous version



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Horizon Powered USA Inc.
Applicant Address:	8350 NW 52nd Terrace, Suite 301 Miami, Florida 33166 United States
Manufacturer:	Horizon Powered USA Inc.
Manufacturer Address:	8350 NW 52nd Terrace, Suite 301 Miami, Florida 33166 United States

1.2. Equipment Under Test (EUT) Description

Product Name:	5G/LTE CBRS USB-C Dongle		
Hardware Version:	E		
Software Version:	DG505G.V2.00_604302D		
IMEI:	354076120012838		
Modulation Type:	DFT-s-OFDM	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	
	CP-OFDM	QPSK, 16QAM, 64QAM, 256QAM	
SA Band:	n48		
Power Class:	PC3:	n48	
Subcarrier spacing:	15kHz, 30kHz		
EN-DC Band:	n48	DC_2A_n48, DC_5A_n48, DC_66A_n48	
Frequency Range:	n48	Tx:3550 MHz–3700 MHz	
		Rx:3550 MHz–3700 MHz	
Channel Bandwidth	n48	SCS 15KHz	5MHz, 10MHz, 20MHz, 30MHz, 40MHz, 50MHz
		SCS 30KHz	10MHz, 15MHz, 20MHz, 40MHz, 50MHz, 60MHz, 80MHz, 90MHz, 100MHz
Antenna Type:	PIFA Antenna		
Antenna Gain:	n48	0.95dBi	

Note 1: The EUT description presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information. For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer for more detailed information.

Note 2: This is a variant report of original report (Report No.: SZ2030252W03, FCC ID: 2BE94DG505G). Based on the similarity between before, the software has added the SA



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frequency band and the NSA frequency band, the others are the same as before. No other changes, the previous radio frequency parameters remain unchanged. The changes do not affect the test results. And the test data of N48, please refer to the original report.



1.3. Maximum ERP/EIRP and Emission Designator

EIRP (dBm8) = Conducted Output Power (dBm) + Antenna Gain (dBi)

ERP (dBm) = EIPR (dBm) - 2.15

Worse case:

n48(SCS 15K)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	/	/
	QPSK	20.56	21.51	0.142	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
10	PI/2 BPSK	/	/	/	/	/
	QPSK	20.64	21.59	0.144	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
15	PI/2 BPSK	/	/	/	/	/
	QPSK	20.61	21.56	0.143	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
20	PI/2 BPSK	/	/	/	/	/
	QPSK	20.66	21.61	0.145	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
40	PI/2 BPSK	/	/	/	/	/
	QPSK	20.56	21.51	0.142	/	/
	16QAM	/	/	/	/	/

	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
50	PI/2 BPSK	20.97	21.92	0.156	/	/
	QPSK	21.07	22.02	0.159	/	/
	16QAM	20.30	21.25	0.133	/	/
	64QAM	18.51	19.46	0.088	/	/
	256QAM	16.24	17.19	0.052	/	/
	CP-QPSK	20.41	21.36	0.137	/	/

n48(SCS 30K)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	8.5796	8M58G7D
	QPSK	21.27	22.22	0.167	8.5848	8M58G7D
	16QAM	/	/	/	8.5763	8M58W7D
	64QAM	/	/	/	8.5893	8M59W7D
	256QAM	/	/	/	8.574	8M57W7D
	CP-QPSK	/	/	/	8.589	8M59G7D
15	PI/2 BPSK	/	/	/	12.821	12M8G7D
	QPSK	21.25	22.20	0.166	12.861	12M9G7D
	16QAM	/	/	/	12.894	12M9W7D
	64QAM	/	/	/	12.878	12M9W7D
	256QAM	/	/	/	12.862	12M9W7D
	CP-QPSK	/	/	/	12.866	12M9G7D
20	PI/2 BPSK	/	/	/	17.804	17M8G7D
	QPSK	21.22	22.17	0.165	17.83	17M8G7D
	16QAM	/	/	/	17.797	17M8W7D
	64QAM	/	/	/	17.842	17M8W7D
	256QAM	/	/	/	17.832	17M8W7D
	CP-QPSK	/	/	/	17.865	17M9G7D
40	PI/2 BPSK	/	/	/	35.775	35M8G7D
	QPSK	21.04	21.99	0.158	35.718	35M7G7D
	16QAM	/	/	/	35.767	35M8W7D
	64QAM	/	/	/	35.758	35M8W7D
	256QAM	/	/	/	35.757	35M8W7D



	CP-QPSK	/	/	/	35.663	35M7G7D
50	PI/2 BPSK	/	/	/	45.779	45M8G7D
	QPSK	21.33	22.28	0.169	45.735	45M7G7D
	16QAM	/	/	/	45.709	45M7W7D
	64QAM	/	/	/	45.715	45M7W7D
	256QAM	/	/	/	45.764	45M8W7D
	CP-QPSK	/	/	/	45.711	45M7G7D
60	PI/2 BPSK	/	/	/	57.836	57M8G7D
	QPSK	21.12	22.07	0.161	57.849	57M9G7D
	16QAM	/	/	/	57.799	57M8W7D
	64QAM	/	/	/	57.825	57M8W7D
	256QAM	/	/	/	57.824	57M8W7D
	CP-QPSK	/	/	/	57.813	57M8G7D
80	PI/2 BPSK	/	/	/	76.995	77M0G7D
	QPSK	20.96	21.91	0.155	77.12	77M1G7D
	16QAM	/	/	/	77.06	77M1W7D
	64QAM	/	/	/	77.085	77M1W7D
	256QAM	/	/	/	76.982	77M0W7D
	CP-QPSK	/	/	/	77.093	77M1G7D
90	PI/2 BPSK	/	/	/	86.699	86M7G7D
	QPSK	20.76	21.71	0.148	86.587	86M6G7D
	16QAM	/	/	/	86.611	86M6W7D
	64QAM	/	/	/	86.732	86M7W7D
	256QAM	/	/	/	86.704	86M7W7D
	CP-QPSK	/	/	/	86.606	86M6G7D
100	PI/2 BPSK	21.59	22.54	0.179	96.154	96M2G7D
	QPSK	21.61	22.56	0.180	96.129	96M1G7D
	16QAM	20.50	21.45	0.140	96.116	96M1W7D
	64QAM	18.47	19.42	0.087	96.189	96M2W7D
	256QAM	16.28	17.23	0.053	96.112	96M1W7D
	CP-QPSK	20.38	21.33	0.136	96.114	96M1G7D



B66_n48							
Bandwidth [MHz]	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	Max EIRP Average (W)	Min EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	/	8.5944	8M59G7D
	QPSK	22	22.95	0.197	0.189	8.6109	8M61G7D
	16QAM	/	/	/	/	8.5986	8M60W7D
	64QAM	/	/	/	/	8.5868	8M59W7D
	256QAM	/	/	/	/	8.6016	8M60W7D
	CP-QPSK	/	/	/	/	8.5941	8M59G7D
15	PI/2 BPSK	/	/	/	/	12.865	12M9G7D
	QPSK	21.98	22.93	0.196	0.187	12.87	12M9G7D
	16QAM	/	/	/	/	12.884	12M9W7D
	64QAM	/	/	/	/	12.879	12M9W7D
	256QAM	/	/	/	/	12.868	12M9W7D
	CP-QPSK	/	/	/	/	12.905	12M9G7D
20	PI/2 BPSK	/	/	/	/	17.859	17M9G7D
	QPSK	21.92	22.87	0.194	0.186	17.884	17M9G7D
	16QAM	/	/	/	/	17.86	17M9W7D
	64QAM	/	/	/	/	17.867	17M9W7D
	256QAM	/	/	/	/	17.895	17M9W7D
	CP-QPSK	/	/	/	/	17.884	17M9G7D
40	PI/2 BPSK	/	/	/	/	35.807	35M8G7D
	QPSK	21.51	22.46	0.176	0.174	35.744	35M7G7D
	16QAM	/	/	/	/	35.855	35M9W7D
	64QAM	/	/	/	/	35.794	35M8W7D
	256QAM	/	/	/	/	35.81	35M8W7D
	CP-QPSK	/	/	/	/	35.706	35M7G7D
50	PI/2 BPSK	/	/	/	/	45.698	45M7G7D



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	QPSK	21.81	22.76	0.189	0.187	45.769	45M8G7D
	16QAM	/	/	/	/	45.763	45M8W7D
	64QAM	/	/	/	/	45.775	45M8W7D
	256QAM	/	/	/	/	45.684	45M7W7D
	CP-QPSK	/	/	/	/	45.664	45M7G7D
60	PI/2 BPSK	/	/	/	/	57.866	57M9G7D
	QPSK	21.65	22.60	0.182	0.180	57.859	57M9G7D
	16QAM	/	/	/	/	57.858	57M9W7D
	64QAM	/	/	/	/	57.856	57M9W7D
	256QAM	/	/	/	/	57.905	57M9W7D
	CP-QPSK	/	/	/	/	57.847	57M9G7D
80	PI/2 BPSK	/	/	/	/	77.077	77M1G7D
	QPSK	21.64	22.59	0.182	0.179	77.098	77M1G7D
	16QAM	/	/	/	/	77.147	77M2W7D
	64QAM	/	/	/	/	77.091	77M1W7D
	256QAM	/	/	/	/	77.184	77M2W7D
	CP-QPSK	/	/	/	/	77.054	77M1G7D
90	PI/2 BPSK	/	/	/	/	86.625	86M6G7D
	QPSK	21.54	22.49	0.177	0.173	86.589	86M6G7D
	16QAM	/	/	/	/	86.794	86M8W7D
	64QAM	/	/	/	/	86.678	86M7W7D
	256QAM	/	/	/	/	86.614	86M6W7D
	CP-QPSK	/	/	/	/	86.635	86M6G7D
100	PI/2	22.02	22.97	0.198	0.155	96.125	96M1G7D
	QPSK	22.08	23.03	0.201	0.155	96.256	96M3G7D
	16QAM	20.97	21.92	0.156	0.152	96.218	96M2W7D
	64QAM	19.28	20.23	0.105	0.102	96.266	96M3W7D
	256QAM	17.26	18.21	0.066	0.065	96.075	96M1W7D
	CP-QPSK	21.05	22.00	0.158	0.151	96.133	96M1G7D



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1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 96 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
5	47 CFR Part 96	CITIZENS BROADBAND RADIO SERVICE

n48			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §96.41(b)	Refer to section 2.1	PASS
Peak-Average Ratio	§96.39(g)	≤ 13 dB	PASS
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS
Band Edges Compliance	§2.1051, §96.41(e)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §96.41(e)	≤ -40 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §96.41(e)	≤ -40 dBm/1MHz	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A



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

Test Item	Test Engineer	Result	Remark
Transmitter Conducted Output Power and ERP/EIRP	Gan Jing ^[3]	PASS	/
Occupied Bandwidth	Liu Yuanxin	PASS	/
Frequency Stability	Liu Yuanxin	PASS	/
Peak to Average Ratio	Liu Yuanxin	PASS	/
Conducted Spurious Emissions	Liu Yuanxin	PASS	/
Band Edge	Liu Yuanxin	PASS	/
Radiated Spurious Emissions	Gao Jianrou	PASS	/
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: Any additions, deviation, or exclusions from the method shall be noted in the "Remark". Note 3: The antenna gain of EUT presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information.			



1.5. Environmental Conditions

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

Temperature (°C):	15 - 35
Relative Humidity (%):	30 - 60

2. Summary Test Results and Description

2.1. Transmitter Conducted Output Power

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 96.41(b) for n48, the maximum effective isotropic radiated power (EIRP) and maximum Power Spectral Density (PSD) of any CBSD and End User Device must comply with the limits shown in the table as below. Paragraph

Device	Maximum EIRP (dBm/10 megahertz)	Maximum PSD (dBm/MHz)
End User Device	23	n/a
Category A CBSD	30	20
Category B CBSD ¹	47	37

2.1.2. Test Description



The conducted RF output power measurements were made at the RF output terminals of the EUT using the powermeter of the Universal Radio Communication tester MT8000A and MT8821C, selecting maximum transmission power of the EUT and different modes of modulation.

The maximum equivalent isotropically radiated power (e.i.r.p.) is calculated by adding the declared maximum antenna gain (dBi).



The maximum effective radiated power e.r.p. is calculated from the maximum equivalent isotropically radiated power

(e.i.r.p.) by subtracting 2.15 dB:

$$E.R.P.= E..R,P.-2.15 \text{ dB}$$

2.1.3. Test procedure

KDB 971168 D01v03 Section 5.2, ANSI/TIA-603-E-2016 and ANSI C63.26-2015 Section 5.2.

The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation as follows:

$$ERP \text{ or } EIRP = P_{Meas} + GT$$

Where:

ERP or EIRP = effective radiated power or equivalent isotropically radiated power, respectively

(expressed in the same units as P_{Meas} , e.g., dBm or dBW)

P_{meas} = measured transmitter output power or PSD, in dBm or dBW

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

2.1.4. Conducted Output Power

Note: All bandwidth and modulation were considered and evaluated respectively by performing full test for each band; with only the worst cases represented in the report except for the maximum bandwidths.



n48 (SCS 15K)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				638334	641666	645000
Frequency (MHz)				3575.01	3624.99	3675
50	DFT-s-OFDM PI/2 BPSK	1	1	20.49	20.93	20.56
50		1	53	20.68	20.90	20.57
50		1	104	20.97	20.71	20.34
50		50	1	20.65	20.82	20.59
50		50	25	20.69	20.84	20.58
50		50	50	20.76	20.89	20.41
50		100	0	20.63	20.78	20.52
50	DFT-s-OFDM QPSK	1	1	20.47	21.07	20.63
50		1	53	20.69	20.86	20.67
50		1	104	20.96	20.73	20.33
50		50	1	20.87	20.93	20.86
50		50	25	20.69	20.85	20.65
50		50	50	20.76	20.93	20.44
50		100	0	20.68	20.78	20.52
50	DFT-s-OFDM 16QAM	1	1	19.87	20.30	20.19
50	DFT-s-OFDM 64QAM	1	1	18.11	18.51	18.39
50	DFT-s-OFDM 256QAM	1	1	15.89	16.24	16.18
50	CP-OFDM QPSK	1	1	20.00	20.41	20.28
50	CP-OFDM 16QAM	1	1	18.43	18.81	18.62
50	CP-OFDM 64QAM	1	1	17.07	17.46	17.00
50	CP-OFDM 256QAM	1	1	13.80	14.27	14.24
Channel				638000	641666	645332
Frequency (MHz)				3570	3624.99	3679.98
40	DFT-s-OFDM QPSK	1	1	20.25	20.56	20.18
Channel				637334	641666	646000
Frequency (MHz)				3560.01	3624.99	3690
20	DFT-s-OFDM QPSK	1	1	20.58	20.66	20.52
Channel				637168	641666	646166
Frequency (MHz)				3557.52	3624.99	3692.49
15	DFT-s-OFDM QPSK	1	1	20.57	20.61	20.43



Channel				637000	641666	646332
Frequency (MHz)				3555	3624.99	3694.98
10	DFT-s-OFDM QPSK	1	1	20.57	20.64	20.45
Channel		1	1	636834	641667	646500
Frequency (MHz)		1	1	3552.51	3625.01	3697.5
5	DFT-s-OFDM QPSK	1	1	20.48	20.56	20.51

n48 (SCS 30K)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				640000	641666	643332
Frequency (MHz)				3600	3624.99	3649.98
100	DFT-s-OFDM PI/2 BPSK	1	1	20.68	20.72	20.94
100		1	53	21.57	21.17	21.29
100		1	104	20.57	20.46	20.36
100		50	1	21.19	21.47	21.01
100		50	25	21.59	21.19	21.32
100		50	50	21.00	21.14	21.02
100		100	0	21.50	21.04	21.16
100		1	1	21.44	21.61	21.57
100	DFT-s-OFDM QPSK	1	53	21.56	21.21	21.34
100		1	104	21.33	21.13	21.30
100		50	1	21.39	21.53	21.35
100		50	25	21.33	21.24	21.36
100		50	50	21.02	21.18	21.04
100		100	0	21.50	21.07	21.18
100	DFT-s-OFDM 16QAM	1	1	20.26	20.09	20.50
100	DFT-s-OFDM 64QAM	1	1	18.17	18.16	18.47
100	DFT-s-OFDM 256QAM	1	1	15.96	16.17	16.28
100	CP-OFDM QPSK	1	1	20.08	20.22	20.38
100	CP-OFDM 16QAM	1	1	18.64	18.72	18.94
100	CP-OFDM 64QAM	1	1	17.06	17.08	17.33
100	CP-OFDM 256QAM	1	1	14.02	14.20	14.37
Channel				639668	641666	643666
Frequency (MHz)				3595.02	3624.99	3654.99



90	DFT-s-OFDM QPSK	1	1	20.76	20.74	20.55
Channel				639334	641666	644000
Frequency (MHz)				3590.01	3624.99	3660
80	DFT-s-OFDM QPSK	1	1	20.92	20.96	20.59
Channel				638668	641666	644666
Frequency (MHz)				3580.02	3624.99	3669.99
60	DFT-s-OFDM QPSK	1	1	20.87	21.12	21.01
Channel				638334	641666	645000
Frequency (MHz)				3575.01	3624.99	3675
50	DFT-s-OFDM QPSK	1	1	21.08	21.33	20.99
Channel				638000	641666	645332
Frequency (MHz)				3570	3624.99	3679.98
40	DFT-s-OFDM QPSK	1	1	20.81	21.04	20.75
Channel				637334	641666	646000
Frequency (MHz)				3560.01	3624.99	3690
20	DFT-s-OFDM QPSK	1	1	21.22	21.10	21.04
Channel				637168	641666	646166
Frequency (MHz)				3557.52	3624.99	3692.49
15	DFT-s-OFDM QPSK	1	1	21.25	21.10	21.03
Channel				637000	641666	646332
Frequency (MHz)				3555	3624.99	3694.98
10	DFT-s-OFDM QPSK	1	1	21.27	21.16	21.07

B66_n48						
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
Channel				640000	641666	643332
Frequency (MHz)				3600	3624.99	3649.98
100	DFT-s-OFDM PI/2 BPSK	1	1	21.35	21.26	21.40
100		1	136	21.89	21.94	21.99
100		1	271	20.95	21.01	21.15
100		135	1	21.78	21.82	21.96
100		135	67	21.85	21.90	22.02
100		135	136	21.62	21.65	21.76
100		270	0	21.72	21.77	21.88



100	DFT-s-OFDM QPSK	1	1	21.37	21.27	21.40
100		1	136	21.92	21.93	22.08
100		1	271	21.00	20.96	21.18
100		135	1	21.81	21.87	22.02
100		135	67	21.87	21.97	22.01
100		135	136	21.64	21.65	21.74
100		270	0	21.75	21.74	21.89
100	DFT-s-OFDM 16QAM	1	1	20.86	20.97	20.86
100	DFT-s-OFDM 64QAM	1	1	19.27	19.12	19.28
100	DFT-s-OFDM 256QAM	1	1	17.20	17.26	17.25
100	CP-OFDM QPSK	1	1	21.03	20.83	21.05
100	CP-OFDM 16QAM	1	1	19.76	19.89	19.82
100	CP-OFDM 64QAM	1	1	18.17	18.24	18.28
100	CP-OFDM 256QAM	1	1	15.09	15.08	15.09
Channel				639668	641666	643666
Frequency (MHz)				3595.02	3624.99	3654.99
90	DFT-s-OFDM QPSK	1	1	21.48	21.42	21.54
Channel				639334	641666	644000
Frequency (MHz)				3590.01	3624.99	3660
80	DFT-s-OFDM QPSK	1	1	21.60	21.57	21.64
Channel				638668	641666	644666
Frequency (MHz)				3580.02	3624.99	3669.99
60	DFT-s-OFDM QPSK	1	1	21.60	21.62	21.65
Channel				638334	641666	645000
Frequency (MHz)				3575.01	3624.99	3675
50	DFT-s-OFDM QPSK	1	1	21.81	21.81	21.77
Channel				638000	641666	645332
Frequency (MHz)				3570	3624.99	3679.98
40	DFT-s-OFDM QPSK	1	1	21.46	21.51	21.46



Channel					637334	641666	646000
Frequency (MHz)					3560.01	3624.99	3690
20	DFT-s-OFDM	QPSK	1	1	21.75	21.80	21.92
Channel					637168	641666	646166
Frequency (MHz)					3557.52	3624.99	3692.49
15	DFT-s-OFDM	QPSK	1	1	21.78	21.90	21.98
Channel					637000	641666	646332
Frequency (MHz)					3555	3624.99	3694.98
10	DFT-s-OFDM	QPSK	1	1	21.81	21.90	22.00

2CC NR Uplink											
Configure	CA Configuration	PCC					SCC				Power
		Band	BW (MHz)	UL Fre. (MHz)	UL Channel	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	UL Fre. (MHz)	UL Channel	Measured Power (dBm)
Inter-band	n25A-n48A	25	40	1882.5	376500	DFT-S-OFDM QPSK/1#1	48	100	3624.99	641666	22.48
	n48A-n66A	48	100	3624.99	641666	DFT-S-OFDM QPSK/1#1	66	40	1745	349000	23.31

Effective Radiated Power and Effective Isotropic Radiated Power:

Worse case:

n48 (SCS 15K)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				638334	638334	641666	641666	645000	645000
Frequency (MHz)				3575.01	3575.01	3624.99	3624.99	3675.00	3675.00
50	DFT-s-OFDM PI/2 BPSK	1	1	21.44	0.139	21.88	0.154	21.51	0.142
50		1	53	21.63	0.146	21.85	0.153	21.52	0.142
50		1	104	21.92	0.156	21.66	0.147	21.29	0.135
50		50	1	21.60	0.145	21.77	0.150	21.54	0.143
50		50	25	21.64	0.146	21.79	0.151	21.53	0.142



50		50	50	21.71	0.148	21.84	0.153	21.36	0.137
50		100	0	21.58	0.144	21.73	0.149	21.47	0.140
50	DFT-s-OFDM QPSK	1	1	21.42	0.139	22.02	0.159	21.58	0.144
50		1	53	21.64	0.146	21.81	0.152	21.62	0.145
50		1	104	21.91	0.155	21.68	0.147	21.28	0.134
50		50	1	21.82	0.152	21.88	0.154	21.81	0.152
50		50	25	21.64	0.146	21.80	0.151	21.60	0.145
50		50	50	21.71	0.148	21.88	0.154	21.39	0.138
50		100	0	21.63	0.146	21.73	0.149	21.47	0.140
50	DFT-s-OFDM 16QAM	1	1	20.82	0.121	21.25	0.133	21.14	0.130
50	DFT-s-OFDM 64QAM	1	1	19.06	0.081	19.46	0.088	19.34	0.086
50	DFT-s-OFDM 256QAM	1	1	16.84	0.048	17.19	0.052	17.13	0.052
50	CP-OFDM QPSK	1	1	20.95	0.124	21.36	0.137	21.23	0.133
50	CP-OFDM 16QAM	1	1	19.38	0.087	19.76	0.095	19.57	0.091
50	CP-OFDM 64QAM	1	1	18.02	0.063	18.41	0.069	17.95	0.062
50	CP-OFDM 256QAM	1	1	14.75	0.030	15.22	0.033	15.19	0.033
Channel				638000	638000	641666	638000	638000	641666
Frequency (MHz)				3570.00	3570.00	3624.99	3570.00	3570.00	3624.99
40	DFT-s-OFDM QPSK	1	1	21.20	0.132	21.51	0.142	21.13	0.130
Channel				637334	637334	641666	637334	637334	641666
Frequency (MHz)				3560.01	3560.01	3624.99	3560.01	3560.01	3624.99
20	DFT-s-OFDM QPSK	1	1	21.53	0.142	21.61	0.145	21.47	0.140
Channel				637168	637168	641666	637168	637168	641666
Frequency (MHz)				3557.52	3557.52	3624.99	3557.52	3557.52	3624.99
15	DFT-s-OFDM QPSK	1	1	21.52	0.142	21.56	0.143	21.38	0.137
Channel				637000	637000	641666	637000	637000	641666



Frequency (MHz)				3555.00	3555.00	3624.99	3555.00	3555.00	3624.99
10	DFT-s-OFDM QPSK	1	1	21.52	0.142	21.59	0.144	21.40	0.138
Channel				636834	636834	641667	641667	646500	646500
Frequency (MHz)				3552.51	3552.51	3625.01	3625.01	3697.50	3697.50
5	DFT-s-OFDM QPSK	1	1	21.43	0.139	21.51	0.142	21.46	0.140

n48 (SCS 30K)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				640000	640000	641666	641666	643332	643332
Frequency (MHz)				3600.00	3600.00	3624.99	3624.99	3649.98	3649.98
10 0	DFT-s-OFDM PI/2 BPSK	1	1	21.63	0.146	21.67	0.147	21.89	0.155
10 0		1	53	22.52	0.179	22.12	0.163	22.24	0.167
10 0		1	104	21.52	0.142	21.41	0.138	21.31	0.135
10 0		50	1	22.14	0.164	22.42	0.175	21.96	0.157
10 0		50	25	22.54	0.179	22.14	0.164	22.27	0.169
10 0		50	50	21.95	0.157	22.09	0.162	21.97	0.157
10 0	DFT-s-OFDM QPSK	10 0	0	22.45	0.176	21.99	0.158	22.11	0.163
10 0		1	1	22.39	0.173	22.56	0.180	22.52	0.179
10 0		1	53	22.51	0.178	22.16	0.164	22.29	0.169
10 0		1	104	22.28	0.169	22.08	0.161	22.25	0.168
10 0		50	1	22.34	0.171	22.48	0.177	22.30	0.170



10 0		50	25	22.28	0.169	22.19	0.166	22.31	0.170
10 0		50	50	21.97	0.157	22.13	0.163	21.99	0.158
10 0		10 0	0	22.45	0.176	22.02	0.159	22.13	0.163
10 0	DFT-s-OFDM 16QAM	1	1	21.21	0.132	21.04	0.127	21.45	0.140
10 0	DFT-s-OFDM 64QAM	1	1	19.12	0.082	19.11	0.081	19.42	0.087
10 0	DFT-s-OFDM 256QAM	1	1	16.91	0.049	17.12	0.052	17.23	0.053
10 0	CP-OFDM QPSK	1	1	21.03	0.127	21.17	0.131	21.33	0.136
10 0	CP-OFDM 16QAM	1	1	19.59	0.091	19.67	0.093	19.89	0.097
10 0	CP-OFDM 64QAM	1	1	18.01	0.063	18.03	0.064	18.28	0.067
10 0	CP-OFDM 256QAM	1	1	14.97	0.031	15.15	0.033	15.32	0.034
Channel				639668	639668	641666	639668	639668	641666
Frequency (MHz)				3595.02	3595.02	3624.99	3595.02	3595.02	3624.99
90	DFT-s-OFDM QPSK	1	1	21.71	0.148	21.69	0.148	21.50	0.141
Channel				639334	639334	641666	639334	639334	641666
Frequency (MHz)				3590.01	3590.01	3624.99	3590.01	3590.01	3624.99
80	DFT-s-OFDM QPSK	1	1	21.87	0.154	21.91	0.155	21.54	0.143
Channel				638668	638668	641666	638668	638668	641666
Frequency (MHz)				3580.02	3580.02	3624.99	3580.02	3580.02	3624.99
60	DFT-s-OFDM QPSK	1	1	21.82	0.152	22.07	0.161	21.96	0.157
Channel				638334	638334	641666	638334	638334	641666
Frequency (MHz)				3575.01	3575.01	3624.99	3575.01	3575.01	3624.99
50	DFT-s-OFDM QPSK	1	1	22.03	0.160	22.28	0.169	21.94	0.156
Channel				638000	638000	641666	638000	638000	641666
Frequency (MHz)				3570.00	3570.00	3624.99	3570.00	3570.00	3624.99



40	DFT-s-OFDM QPSK	1	1	21.76	0.150	21.99	0.158	21.70	0.148
Channel				637334	637334	641666	637334	637334	641666
Frequency (MHz)				3560.01	3560.01	3624.99	3560.01	3560.01	3624.99
20	DFT-s-OFDM QPSK	1	1	22.17	0.165	22.05	0.160	21.99	0.158
Channel				637168	637168	641666	637168	637168	641666
Frequency (MHz)				3557.52	3557.52	3624.99	3557.52	3557.52	3624.99
15	DFT-s-OFDM QPSK	1	1	22.20	0.166	22.05	0.160	21.98	0.158
Channel				637000	637000	641666	637000	637000	641666
Frequency (MHz)				3555.00	3555.00	3624.99	3555.00	3555.00	3624.99
10	DFT-s-OFDM QPSK	1	1	22.22	0.167	22.11	0.163	22.02	0.159

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BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Low Channel	Mid Channel	Mid Channel	High Channel	High Channel
Channel				640000	640000	641666	641666	643332	643332
Frequency (MHz)				3600	3600	3624.99	3624.99	3649.98	3649.98
100	DFT-s-OFDM PI/2 BPSK	1	1	22.30	0.170	22.21	0.166	22.35	0.172
100		1	136	22.84	0.192	22.89	0.195	22.94	0.197
100		1	271	21.90	0.155	21.96	0.157	22.10	0.162
100		135	1	22.73	0.187	22.77	0.189	22.91	0.195
100		135	67	22.80	0.191	22.85	0.193	22.97	0.198
100		135	136	22.57	0.181	22.60	0.182	22.71	0.187
100		270	0	22.67	0.185	22.72	0.187	22.83	0.192
100	DFT-s-OFDM QPSK	1	1	22.32	0.171	22.22	0.167	22.35	0.172
100		1	136	22.87	0.194	22.88	0.194	23.03	0.201
100		1	271	21.95	0.157	21.91	0.155	22.13	0.163
100		135	1	22.76	0.189	22.82	0.191	22.97	0.198
100		135	67	22.82	0.191	22.92	0.196	22.96	0.198
100		135	136	22.59	0.182	22.60	0.182	22.69	0.186



100		270	0	22.70	0.186	22.69	0.186	22.84	0.192
100	DFT-s-OFDM 16QAM	1	1	21.81	0.152	21.92	0.156	21.81	0.152
100	DFT-s-OFDM 64QAM	1	1	20.22	0.105	20.07	0.102	20.23	0.105
100	DFT-s-OFDM 256QAM	1	1	18.15	0.065	18.21	0.066	18.20	0.066
100	CP-OFDM QPSK	1	1	21.98	0.158	21.78	0.151	22.00	0.158
100	CP-OFDM 16QAM	1	1	20.71	0.118	20.84	0.121	20.77	0.119
100	CP-OFDM 64QAM	1	1	19.12	0.082	19.19	0.083	19.23	0.084
100	CP-OFDM 256QAM	1	1	16.04	0.040	16.03	0.040	16.04	0.040
Channel				639668	639668	641666	641666	643666	643666
Frequency (MHz)				3595.02	3595.02	3624.99	3624.99	3654.99	3654.99
90	DFT-s-OFDM QPSK	1	1	22.43	0.175	22.37	0.173	22.49	0.177
Channel				639334	639334	641666	641666	644000	644000
Frequency (MHz)				3590.01	3590.01	3624.99	3624.99	3660	3660
80	DFT-s-OFDM QPSK	1	1	22.55	0.180	22.52	0.179	22.59	0.182
Channel				638668	638668	641666	641666	644666	644666
Frequency (MHz)				3580.02	3580.02	3624.99	3624.99	3669.99	3669.99
60	DFT-s-OFDM QPSK	1	1	22.55	0.180	22.57	0.181	22.60	0.182
Channel				638334	638334	641666	641666	645000	645000
Frequency (MHz)				3575.01	3575.01	3624.99	3624.99	3675	3675
50	DFT-s-OFDM QPSK	1	1	22.76	0.189	22.76	0.189	22.72	0.187
Channel				638000	638000	641666	641666	645332	645332
Frequency (MHz)				3570	3570	3624.99	3624.99	3679.98	3679.98
40	DFT-s-OFDM QPSK	1	1	22.41	0.174	22.46	0.176	22.41	0.174
Channel				637334	637334	641666	641666	646000	646000
Frequency (MHz)				3560.01	3560.01	3624.99	3624.99	3690	3690
20	DFT-s-OFDM QPSK	1	1	22.70	0.186	22.75	0.188	22.87	0.194
Channel				637168	637168	641666	641666	646166	646166
Frequency (MHz)				3557.52	3557.52	3624.99	3624.99	3692.49	3692.49
15	DFT-s-OFDM QPSK	1	1	22.73	0.187	22.85	0.193	22.93	0.196



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Channel					637000	637000	641666	641666	646332	646332
Frequency (MHz)					3555	3555	3624.99	3624.99	3694.98	3694.98
10	DFT-s-OFDM	QPSK	1	1	22.76	0.189	22.85	0.193	22.95	0.197

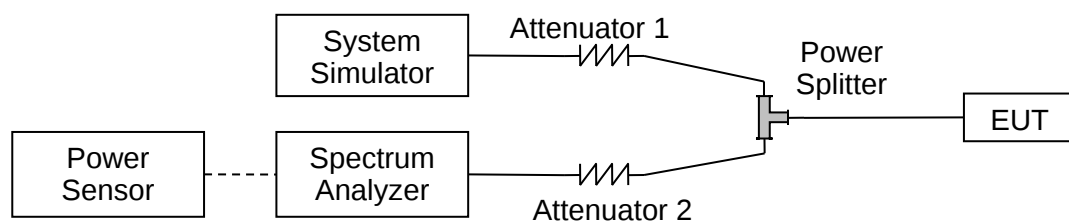


2.2. Occupied Bandwidth

2.2.1. Requirement

According to RSS-Gen 6.7, 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, ANSI/TIA-603-E-2016 and ANSI C63.26-2015 Section 5.4.

2.2.4. Test Result



Band	SCS (kHz)	BW (MHz)	ARFCN	Modulation	RB	OBW (MHz)	26dB BW (MHz)	Verdict
n48	30	10	637000	DFT-s-OFDM PI/2 BPSK	24/0	8.5618	9.145	PASS
n48	30	10	637000	DFT-s-OFDM QPSK	24/0	8.5829	9.406	PASS
n48	30	10	637000	DFT-s-OFDM 16QAM	24/0	8.5651	9.297	PASS
n48	30	10	637000	DFT-s-OFDM 64QAM	24/0	8.5774	9.348	PASS
n48	30	10	637000	DFT-s-OFDM 256QAM	24/0	8.5740	9.365	PASS
n48	30	10	637000	CP-OFDM QPSK	24/0	8.5713	9.389	PASS
n48	30	10	641666	DFT-s-OFDM PI/2 BPSK	24/0	8.5652	9.227	PASS
n48	30	10	641666	DFT-s-OFDM QPSK	24/0	8.5848	9.453	PASS
n48	30	10	641666	DFT-s-OFDM 16QAM	24/0	8.5763	9.180	PASS
n48	30	10	641666	DFT-s-OFDM 64QAM	24/0	8.5893	9.308	PASS
n48	30	10	641666	DFT-s-OFDM 256QAM	24/0	8.5547	9.331	PASS
n48	30	10	641666	CP-OFDM QPSK	24/0	8.5890	9.455	PASS
n48	30	10	646332	DFT-s-OFDM PI/2 BPSK	24/0	8.5796	9.287	PASS
n48	30	10	646332	DFT-s-OFDM QPSK	24/0	8.5701	9.223	PASS
n48	30	10	646332	DFT-s-OFDM 16QAM	24/0	8.5612	9.178	PASS
n48	30	10	646332	DFT-s-OFDM 64QAM	24/0	8.5662	9.234	PASS



n48	30	10	646332	DFT-s-OFDM 256QAM	24/0	8.5728	9.370	PASS
n48	30	10	646332	CP-OFDM QPSK	24/0	8.5736	9.356	PASS
n48	30	15	637168	DFT-s-OFDM PI/2 BPSK	36/0	12.804	13.790	PASS
n48	30	15	637168	DFT-s-OFDM QPSK	36/0	12.861	13.985	PASS
n48	30	15	637168	DFT-s-OFDM 16QAM	36/0	12.894	13.943	PASS
n48	30	15	637168	DFT-s-OFDM 64QAM	36/0	12.878	13.958	PASS
n48	30	15	637168	DFT-s-OFDM 256QAM	36/0	12.847	13.960	PASS
n48	30	15	637168	CP-OFDM QPSK	38/0	12.866	14.022	PASS
n48	30	15	641666	DFT-s-OFDM PI/2 BPSK	36/0	12.821	13.757	PASS
n48	30	15	641666	DFT-s-OFDM QPSK	36/0	12.857	14.000	PASS
n48	30	15	641666	DFT-s-OFDM 16QAM	36/0	12.865	13.873	PASS
n48	30	15	641666	DFT-s-OFDM 64QAM	36/0	12.817	13.646	PASS
n48	30	15	641666	DFT-s-OFDM 256QAM	36/0	12.845	13.863	PASS
n48	30	15	641666	CP-OFDM QPSK	38/0	12.842	13.883	PASS
n48	30	15	646166	DFT-s-OFDM PI/2 BPSK	36/0	12.807	14.014	PASS
n48	30	15	646166	DFT-s-OFDM QPSK	36/0	12.857	14.043	PASS
n48	30	15	646166	DFT-s-OFDM 16QAM	36/0	12.821	13.860	PASS



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n48	30	15	646166	DFT-s-OFDM 64QAM	36/0	12.873	13.936	PASS
n48	30	15	646166	DFT-s-OFDM 256QAM	36/0	12.862	13.820	PASS
n48	30	15	646166	CP-OFDM QPSK	38/0	12.838	13.996	PASS
n48	30	20	637334	DFT-s-OFDM PI/2 BPSK	50/0	17.804	18.983	PASS
n48	30	20	637334	DFT-s-OFDM QPSK	50/0	17.798	19.170	PASS
n48	30	20	637334	DFT-s-OFDM 16QAM	50/0	17.792	18.929	PASS
n48	30	20	637334	DFT-s-OFDM 64QAM	50/0	17.842	18.920	PASS
n48	30	20	637334	DFT-s-OFDM 256QAM	50/0	17.832	19.057	PASS
n48	30	20	637334	CP-OFDM QPSK	51/0	17.865	19.181	PASS
n48	30	20	641666	DFT-s-OFDM PI/2 BPSK	50/0	17.791	18.904	PASS
n48	30	20	641666	DFT-s-OFDM QPSK	50/0	17.830	19.084	PASS
n48	30	20	641666	DFT-s-OFDM 16QAM	50/0	17.797	18.953	PASS
n48	30	20	641666	DFT-s-OFDM 64QAM	50/0	17.827	18.691	PASS
n48	30	20	641666	DFT-s-OFDM 256QAM	50/0	17.777	18.813	PASS
n48	30	20	641666	CP-OFDM QPSK	51/0	17.862	18.939	PASS
n48	30	20	646000	DFT-s-OFDM PI/2 BPSK	50/0	17.803	18.731	PASS
n48	30	20	646000	DFT-s-OFDM QPSK	50/0	17.825	18.976	PASS



n48	30	20	646000	DFT-s-OFDM 16QAM	50/0	17.736	18.793	PASS
n48	30	20	646000	DFT-s-OFDM 64QAM	50/0	17.790	18.788	PASS
n48	30	20	646000	DFT-s-OFDM 256QAM	50/0	17.810	19.093	PASS
n48	30	20	646000	CP-OFDM QPSK	51/0	17.841	18.964	PASS
n48	30	40	638000	DFT-s-OFDM PI/2 BPSK	100/0	35.775	37.836	PASS
n48	30	40	638000	DFT-s-OFDM QPSK	100/0	35.695	37.623	PASS
n48	30	40	638000	DFT-s-OFDM 16QAM	100/0	35.743	37.263	PASS
n48	30	40	638000	DFT-s-OFDM 64QAM	100/0	35.724	37.424	PASS
n48	30	40	638000	DFT-s-OFDM 256QAM	100/0	35.728	37.164	PASS
n48	30	40	638000	CP-OFDM QPSK	106/0	35.659	37.337	PASS
n48	30	40	641666	DFT-s-OFDM PI/2 BPSK	100/0	35.752	37.644	PASS
n48	30	40	641666	DFT-s-OFDM QPSK	100/0	35.678	37.326	PASS
n48	30	40	641666	DFT-s-OFDM 16QAM	100/0	35.698	37.301	PASS
n48	30	40	641666	DFT-s-OFDM 64QAM	100/0	35.736	37.566	PASS
n48	30	40	641666	DFT-s-OFDM 256QAM	100/0	35.743	37.628	PASS
n48	30	40	641666	CP-OFDM QPSK	106/0	35.663	37.639	PASS
n48	30	40	645332	DFT-s-OFDM PI/2 BPSK	100/0	35.709	37.409	PASS



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n48	30	40	645332	DFT-s-OFDM QPSK	100/0	35.718	37.675	PASS
n48	30	40	645332	DFT-s-OFDM 16QAM	100/0	35.767	37.618	PASS
n48	30	40	645332	DFT-s-OFDM 64QAM	100/0	35.758	37.573	PASS
n48	30	40	645332	DFT-s-OFDM 256QAM	100/0	35.757	37.480	PASS
n48	30	40	645332	CP-OFDM QPSK	106/0	35.623	37.944	PASS
n48	30	50	638334	DFT-s-OFDM PI/2 BPSK	128/0	45.779	48.059	PASS
n48	30	50	638334	DFT-s-OFDM QPSK	128/0	45.701	47.778	PASS
n48	30	50	638334	DFT-s-OFDM 16QAM	128/0	45.664	47.819	PASS
n48	30	50	638334	DFT-s-OFDM 64QAM	128/0	45.710	47.898	PASS
n48	30	50	638334	DFT-s-OFDM 256QAM	128/0	45.675	48.055	PASS
n48	30	50	638334	CP-OFDM QPSK	133/0	45.643	47.973	PASS
n48	30	50	641666	DFT-s-OFDM PI/2 BPSK	128/0	45.755	48.149	PASS
n48	30	50	641666	DFT-s-OFDM QPSK	128/0	45.735	48.000	PASS
n48	30	50	641666	DFT-s-OFDM 16QAM	128/0	45.682	47.837	PASS
n48	30	50	641666	DFT-s-OFDM 64QAM	128/0	45.688	47.896	PASS
n48	30	50	641666	DFT-s-OFDM 256QAM	128/0	45.764	47.586	PASS
n48	30	50	641666	CP-OFDM QPSK	133/0	45.650	47.985	PASS



n48	30	50	645000	DFT-s-OFDM PI/2 BPSK	128/0	45.683	48.027	PASS
n48	30	50	645000	DFT-s-OFDM QPSK	128/0	45.691	48.129	PASS
n48	30	50	645000	DFT-s-OFDM 16QAM	128/0	45.709	47.636	PASS
n48	30	50	645000	DFT-s-OFDM 64QAM	128/0	45.715	47.730	PASS
n48	30	50	645000	DFT-s-OFDM 256QAM	128/0	45.690	47.756	PASS
n48	30	50	645000	CP-OFDM QPSK	133/0	45.711	48.191	PASS
n48	30	60	638668	DFT-s-OFDM PI/2 BPSK	162/0	57.836	60.117	PASS
n48	30	60	638668	DFT-s-OFDM QPSK	162/0	57.734	59.985	PASS
n48	30	60	638668	DFT-s-OFDM 16QAM	162/0	57.799	59.782	PASS
n48	30	60	638668	DFT-s-OFDM 64QAM	162/0	57.729	59.870	PASS
n48	30	60	638668	DFT-s-OFDM 256QAM	162/0	57.738	59.754	PASS
n48	30	60	638668	CP-OFDM QPSK	162/0	57.694	59.864	PASS
n48	30	60	641666	DFT-s-OFDM PI/2 BPSK	162/0	57.739	60.050	PASS
n48	30	60	641666	DFT-s-OFDM QPSK	162/0	57.799	60.837	PASS
n48	30	60	641666	DFT-s-OFDM 16QAM	162/0	57.739	60.152	PASS
n48	30	60	641666	DFT-s-OFDM 64QAM	162/0	57.825	60.096	PASS
n48	30	60	641666	DFT-s-OFDM 256QAM	162/0	57.817	60.067	PASS



n48	30	60	641666	CP-OFDM QPSK	162/0	57.813	59.757	PASS
n48	30	60	644666	DFT-s-OFDM PI/2 BPSK	162/0	57.731	59.691	PASS
n48	30	60	644666	DFT-s-OFDM QPSK	162/0	57.849	60.846	PASS
n48	30	60	644666	DFT-s-OFDM 16QAM	162/0	57.770	60.020	PASS
n48	30	60	644666	DFT-s-OFDM 64QAM	162/0	57.721	59.640	PASS
n48	30	60	644666	DFT-s-OFDM 256QAM	162/0	57.824	59.966	PASS
n48	30	60	644666	CP-OFDM QPSK	162/0	57.637	59.880	PASS
n48	30	80	639334	DFT-s-OFDM PI/2 BPSK	216/0	76.995	79.925	PASS
n48	30	80	639334	DFT-s-OFDM QPSK	216/0	77.120	79.680	PASS
n48	30	80	639334	DFT-s-OFDM 16QAM	216/0	77.060	80.036	PASS
n48	30	80	639334	DFT-s-OFDM 64QAM	216/0	76.960	79.757	PASS
n48	30	80	639334	DFT-s-OFDM 256QAM	216/0	76.982	79.924	PASS
n48	30	80	639334	CP-OFDM QPSK	217/0	77.093	79.737	PASS
n48	30	80	641666	DFT-s-OFDM PI/2 BPSK	216/0	76.970	79.964	PASS
n48	30	80	641666	DFT-s-OFDM QPSK	216/0	77.037	79.975	PASS
n48	30	80	641666	DFT-s-OFDM 16QAM	216/0	76.943	79.646	PASS
n48	30	80	641666	DFT-s-OFDM 64QAM	216/0	77.085	79.630	PASS



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n48	30	80	641666	DFT-s-OFDM 256QAM	216/0	76.961	79.896	PASS
n48	30	80	641666	CP-OFDM QPSK	217/0	77.084	79.697	PASS
n48	30	80	644000	DFT-s-OFDM PI/2 BPSK	216/0	76.963	79.740	PASS
n48	30	80	644000	DFT-s-OFDM QPSK	216/0	77.022	79.706	PASS
n48	30	80	644000	DFT-s-OFDM 16QAM	216/0	76.930	80.039	PASS
n48	30	80	644000	DFT-s-OFDM 64QAM	216/0	76.863	79.983	PASS
n48	30	80	644000	DFT-s-OFDM 256QAM	216/0	76.976	79.887	PASS
n48	30	80	644000	CP-OFDM QPSK	217/0	76.943	79.860	PASS
n48	30	90	639668	DFT-s-OFDM PI/2 BPSK	243/0	86.699	89.777	PASS
n48	30	90	639668	DFT-s-OFDM QPSK	243/0	86.585	89.738	PASS
n48	30	90	639668	DFT-s-OFDM 16QAM	243/0	86.552	92.534	PASS
n48	30	90	639668	DFT-s-OFDM 64QAM	243/0	86.732	89.796	PASS
n48	30	90	639668	DFT-s-OFDM 256QAM	243/0	86.704	89.582	PASS
n48	30	90	639668	CP-OFDM QPSK	245/0	86.592	89.757	PASS
n48	30	90	641666	DFT-s-OFDM PI/2 BPSK	243/0	86.457	89.582	PASS
n48	30	90	641666	DFT-s-OFDM QPSK	243/0	86.587	89.734	PASS
n48	30	90	641666	DFT-s-OFDM 16QAM	243/0	86.521	89.690	PASS



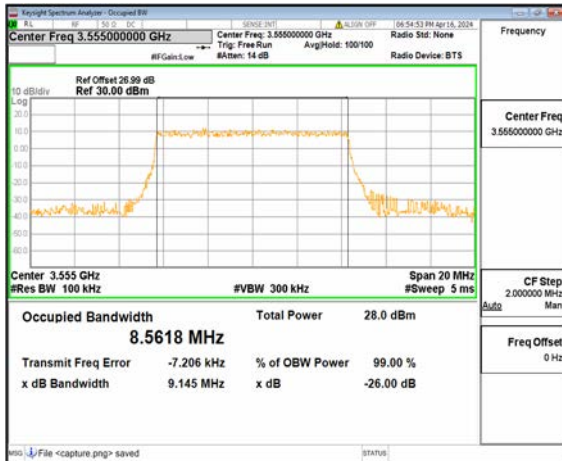
REPORT No.: SZ25110195W07

n48	30	90	641666	DFT-s-OFDM 64QAM	243/0	86.508	89.706	PASS
n48	30	90	641666	DFT-s-OFDM 256QAM	243/0	86.627	89.692	PASS
n48	30	90	641666	CP-OFDM QPSK	245/0	86.469	89.510	PASS
n48	30	90	643666	DFT-s-OFDM PI/2 BPSK	243/0	86.611	89.787	PASS
n48	30	90	643666	DFT-s-OFDM QPSK	243/0	86.520	89.570	PASS
n48	30	90	643666	DFT-s-OFDM 16QAM	243/0	86.611	89.870	PASS
n48	30	90	643666	DFT-s-OFDM 64QAM	243/0	86.413	89.503	PASS
n48	30	90	643666	DFT-s-OFDM 256QAM	243/0	86.675	89.644	PASS
n48	30	90	643666	CP-OFDM QPSK	245/0	86.606	89.706	PASS
n48	30	100	640000	DFT-s-OFDM PI/2 BPSK	270/0	96.112	99.599	PASS
n48	30	100	640000	DFT-s-OFDM QPSK	270/0	96.050	99.743	PASS
n48	30	100	640000	DFT-s-OFDM 16QAM	270/0	95.990	99.850	PASS
n48	30	100	640000	DFT-s-OFDM 64QAM	270/0	96.189	99.391	PASS
n48	30	100	640000	DFT-s-OFDM 256QAM	270/0	96.050	99.575	PASS
n48	30	100	640000	CP-OFDM QPSK	273/0	96.035	99.587	PASS
n48	30	100	641666	DFT-s-OFDM PI/2 BPSK	270/0	95.986	99.378	PASS
n48	30	100	641666	DFT-s-OFDM QPSK	270/0	96.102	99.583	PASS



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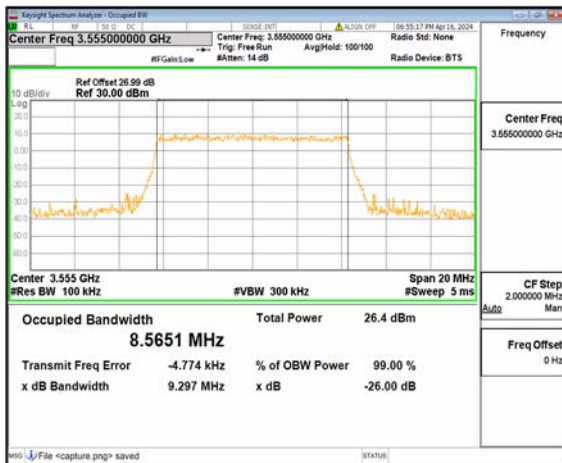
n48	30	100	641666	DFT-s-OFDM 16QAM	270/0	96.116	99.631	PASS
n48	30	100	641666	DFT-s-OFDM 64QAM	270/0	96.020	99.557	PASS
n48	30	100	641666	DFT-s-OFDM 256QAM	270/0	96.112	99.634	PASS
n48	30	100	641666	CP-OFDM QPSK	273/0	96.070	99.391	PASS
n48	30	100	643332	DFT-s-OFDM PI/2 BPSK	270/0	96.154	99.663	PASS
n48	30	100	643332	DFT-s-OFDM QPSK	270/0	96.129	99.856	PASS
n48	30	100	643332	DFT-s-OFDM 16QAM	270/0	96.095	99.367	PASS
n48	30	100	643332	DFT-s-OFDM 64QAM	270/0	95.947	99.625	PASS
n48	30	100	643332	DFT-s-OFDM 256QAM	270/0	96.101	99.600	PASS
n48	30	100	643332	CP-OFDM QPSK	273/0	96.114	99.593	PASS



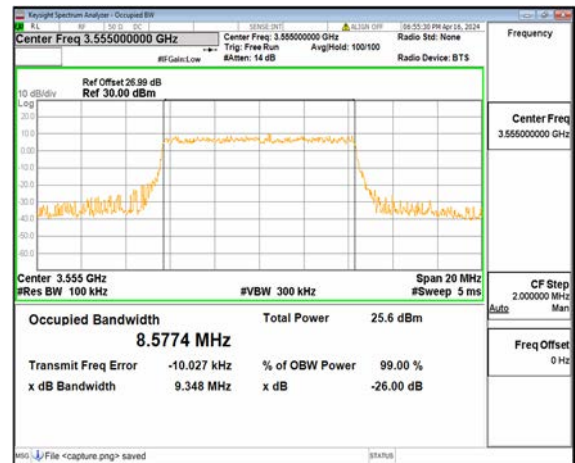
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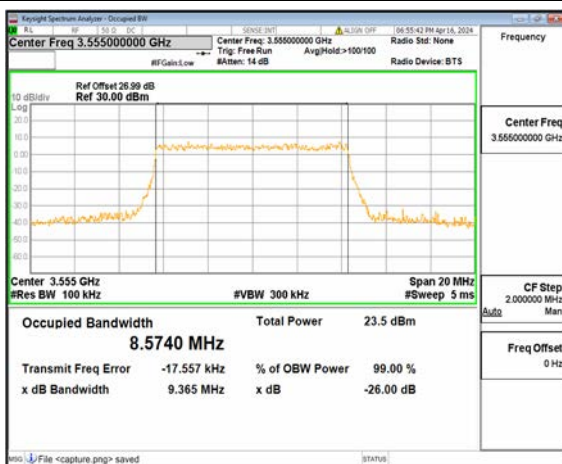
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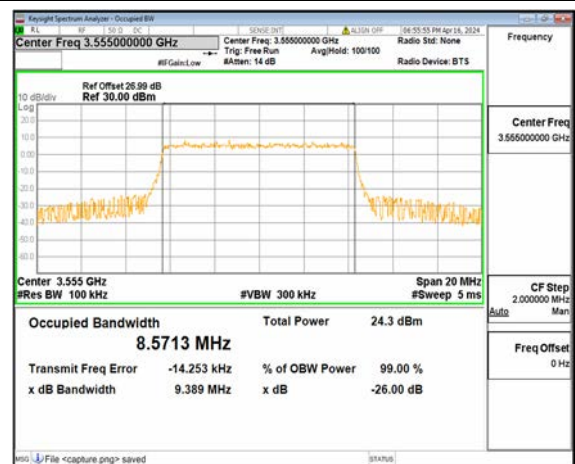
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n48 10M DFT-s-OFDM 64QAM Outer_Full Low



n48 10M DFT-s-OFDM 256QAM Outer_Full Low



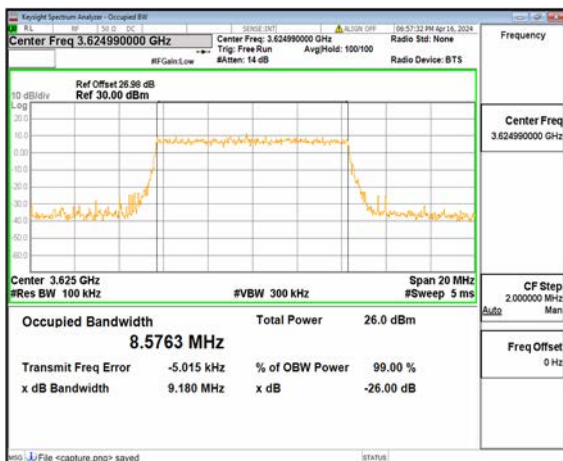
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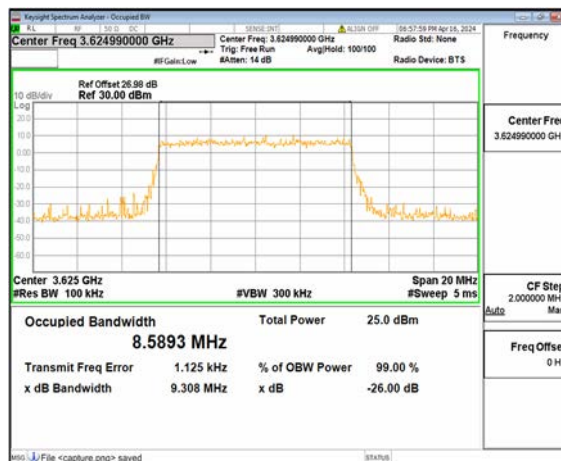
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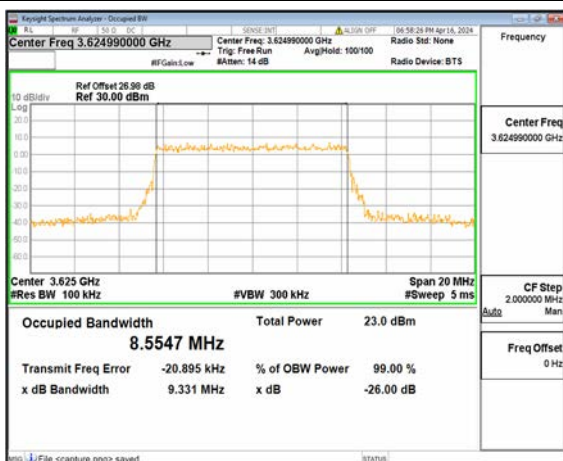
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n48 10M DFT-s-OFDM 16QAM Outer_Full Mid



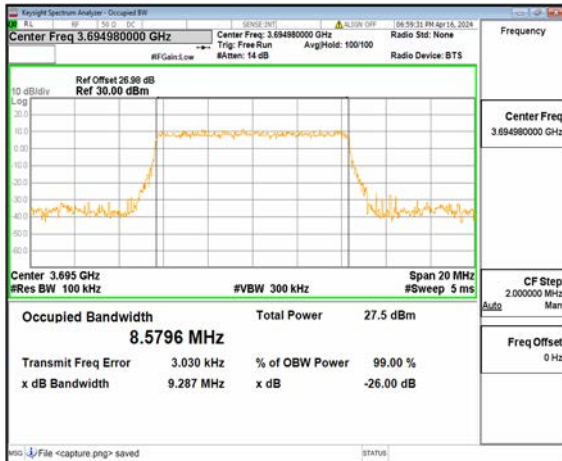
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n48 10M DFT-s-OFDM 256QAM Outer_Full Mid



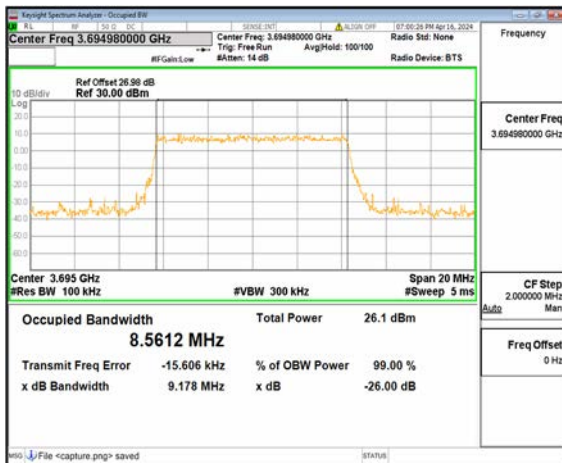
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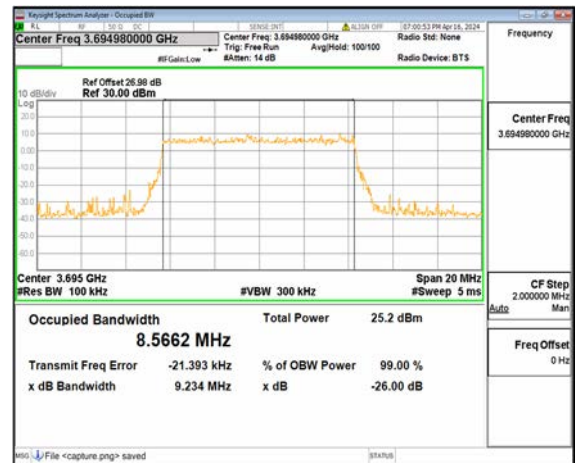
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n48 10M DFT-s-OFDM QPSK Outer_Full High



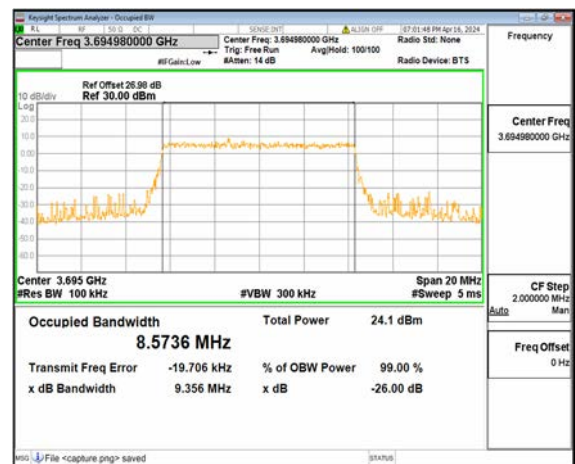
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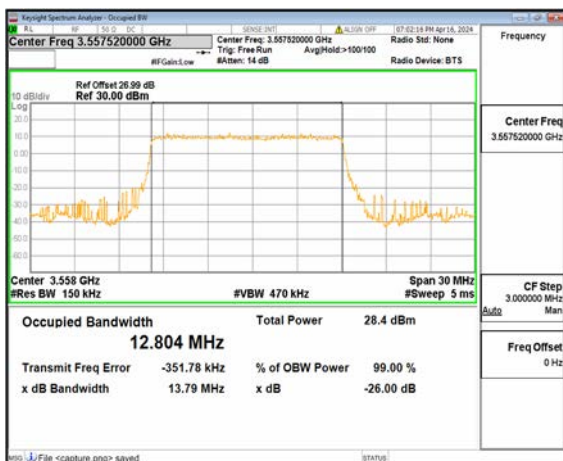
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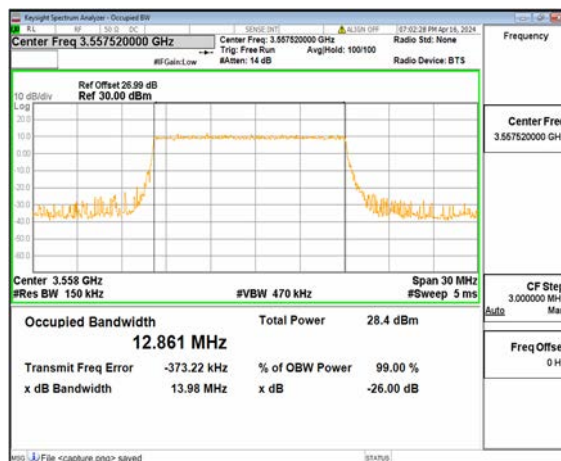
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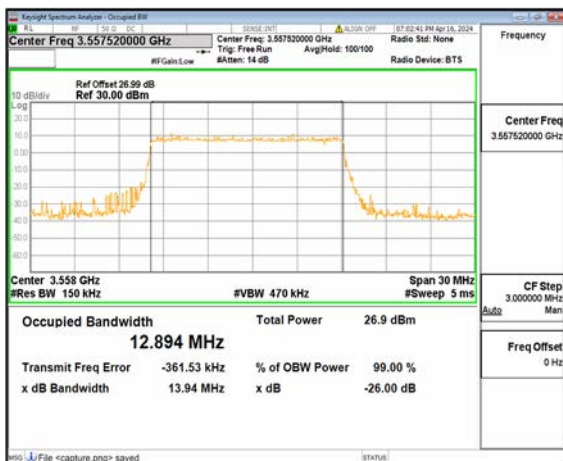
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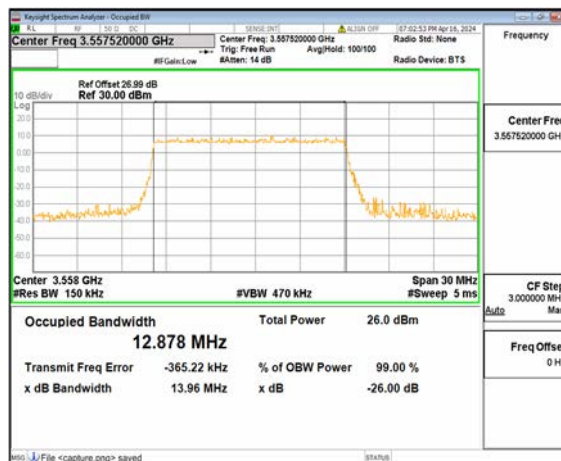
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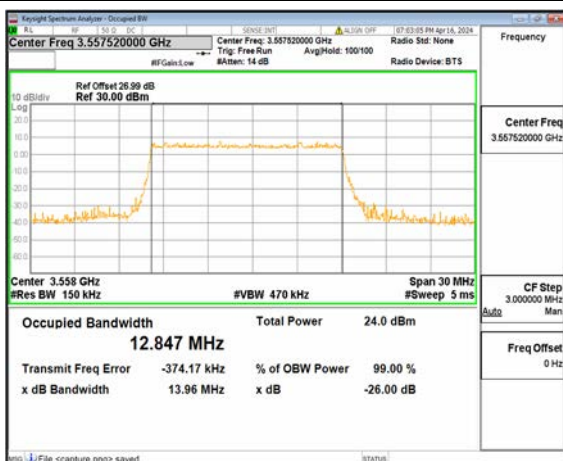
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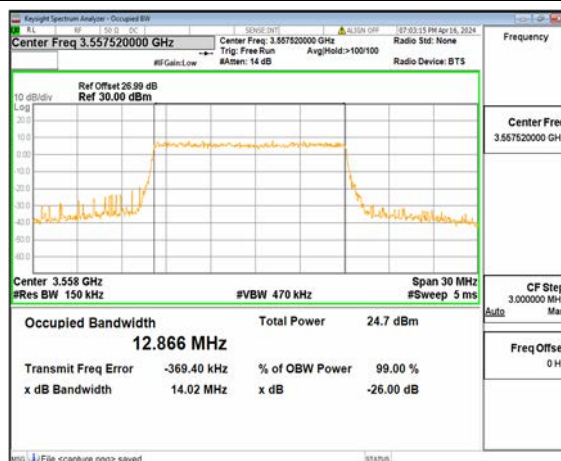
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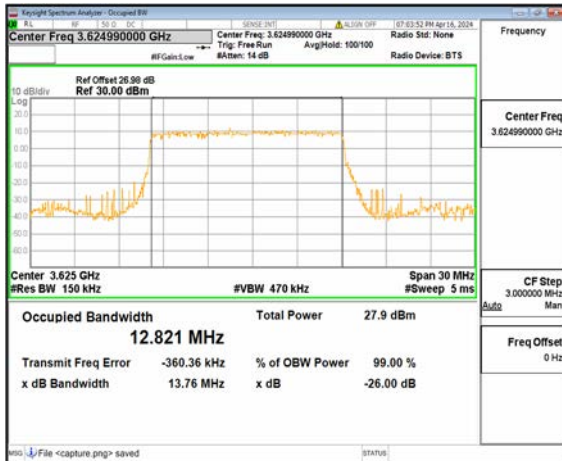
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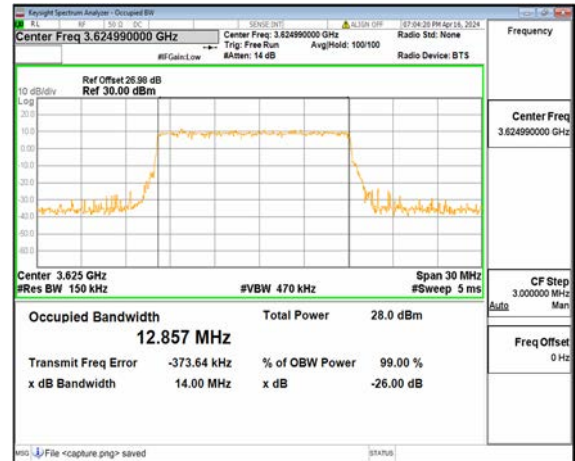
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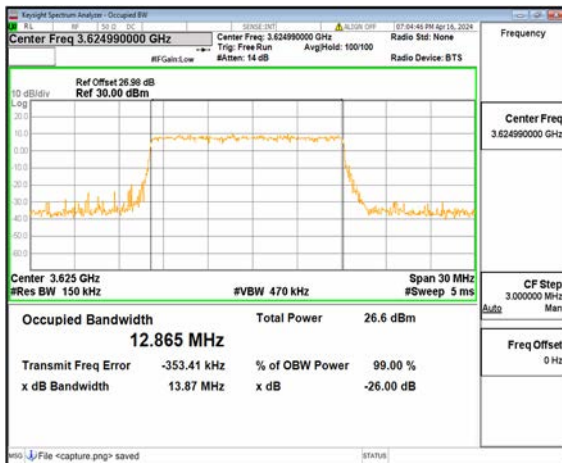
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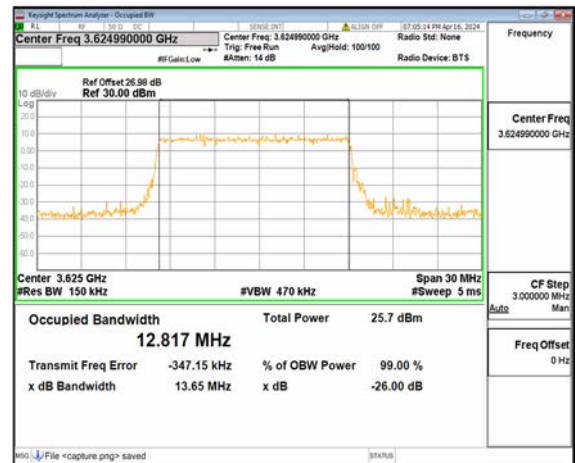
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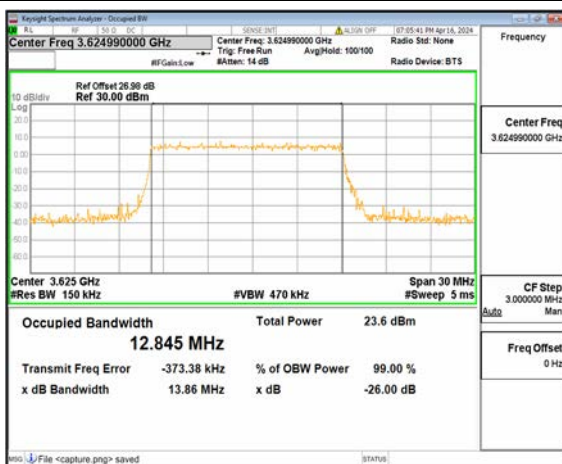
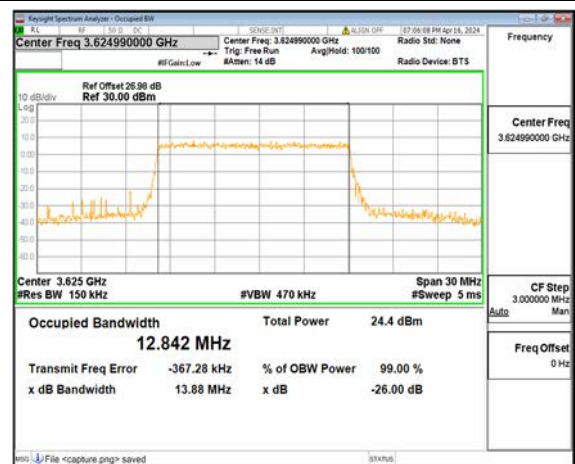
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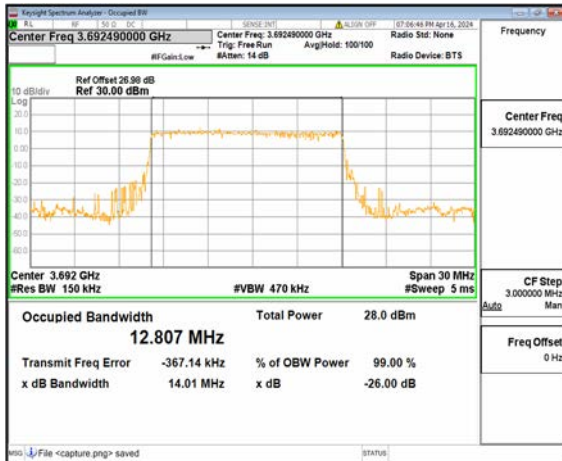
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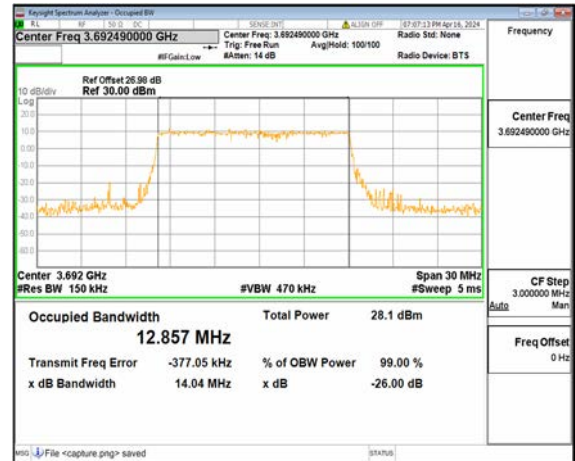
n48 15M DFT-s-OFDM 64QAM Outer_Full Mid

n48 15M DFT-s-OFDM 256QAM Outer_Full
Mid

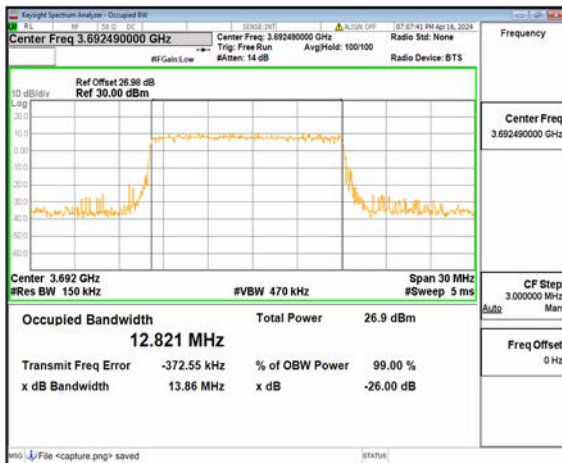
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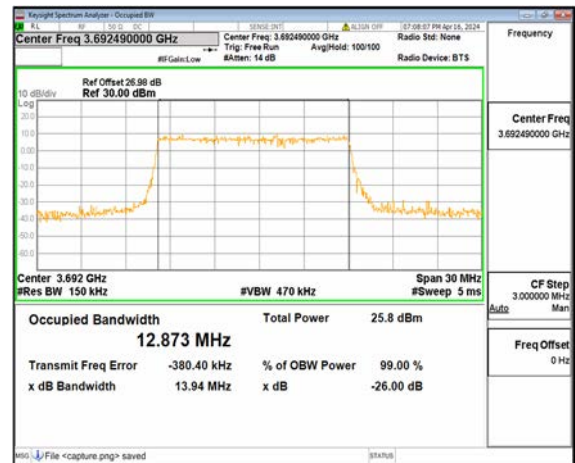
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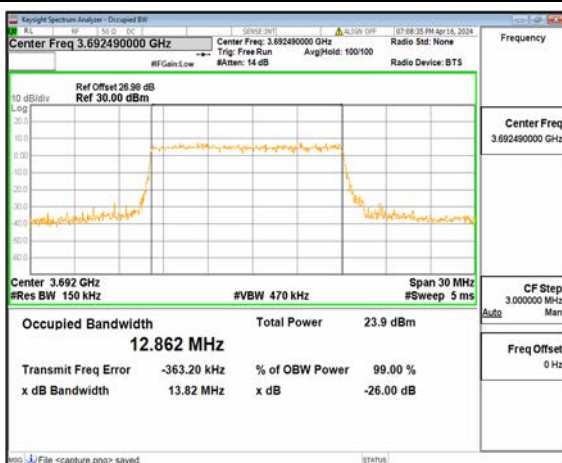
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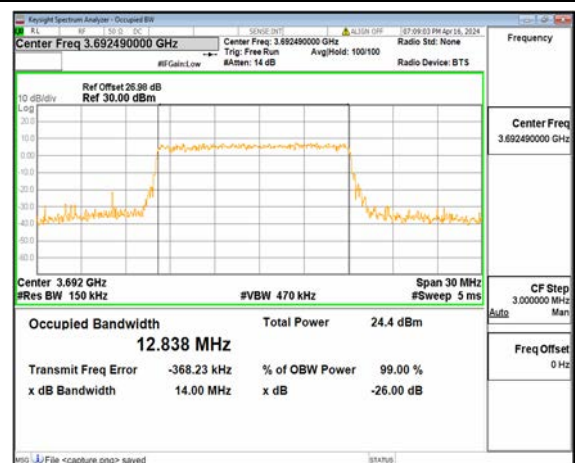
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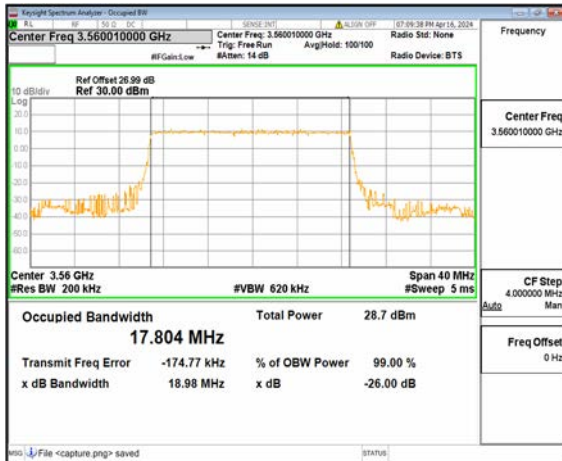
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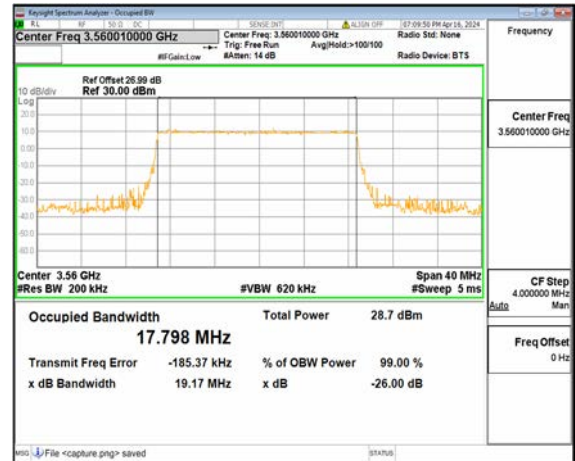
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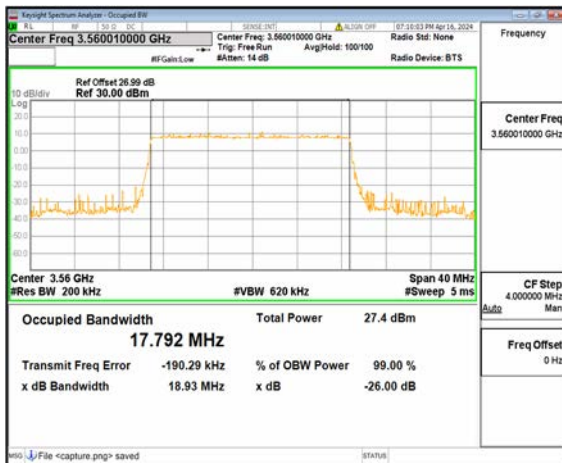
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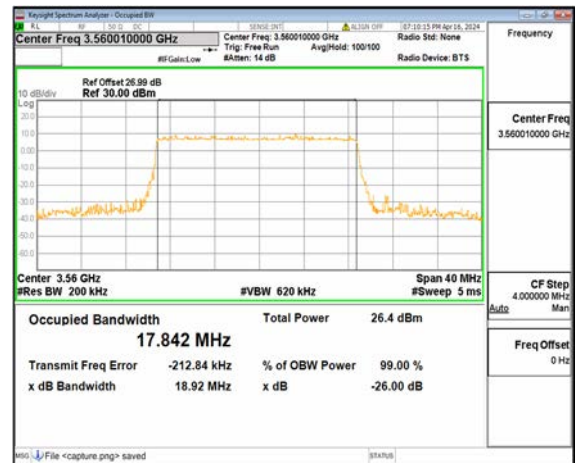
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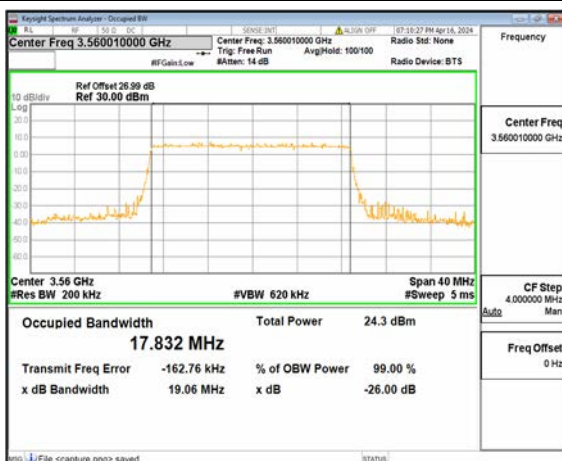
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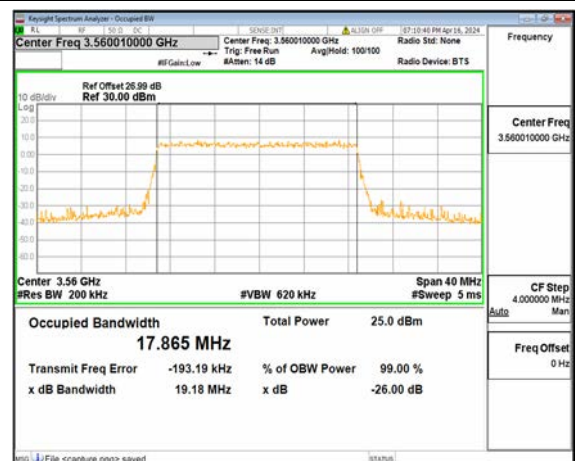
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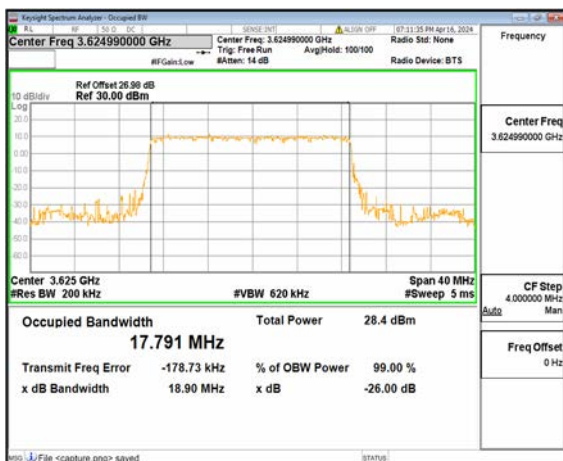
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n48 20M DFT-s-OFDM 256QAM Outer_Full Low



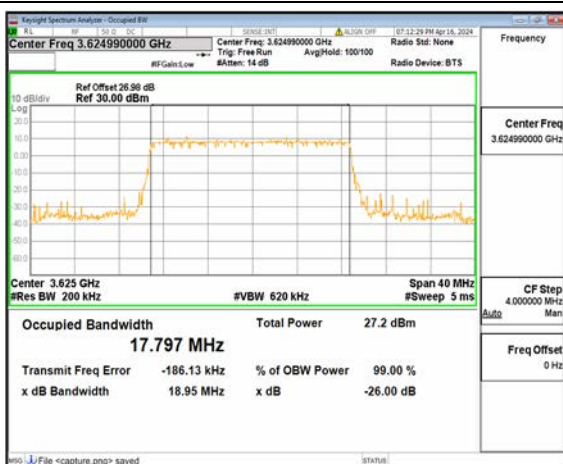
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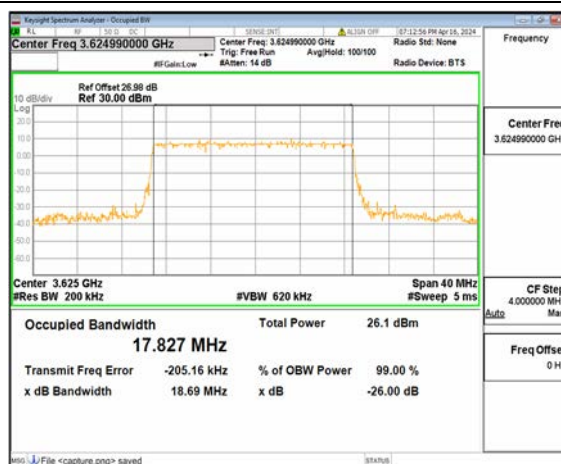
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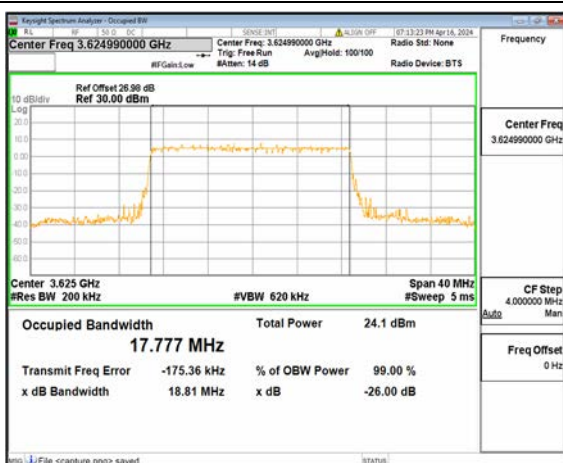
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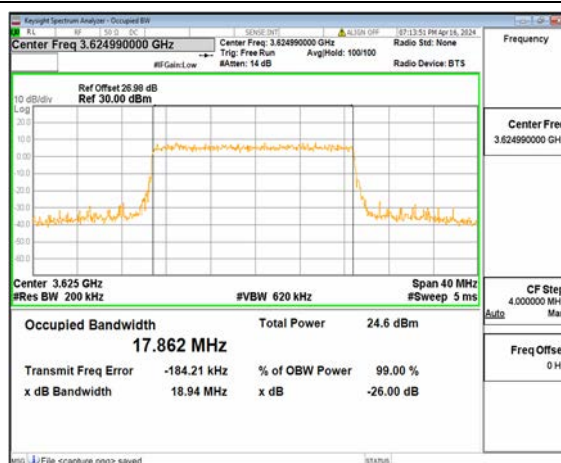
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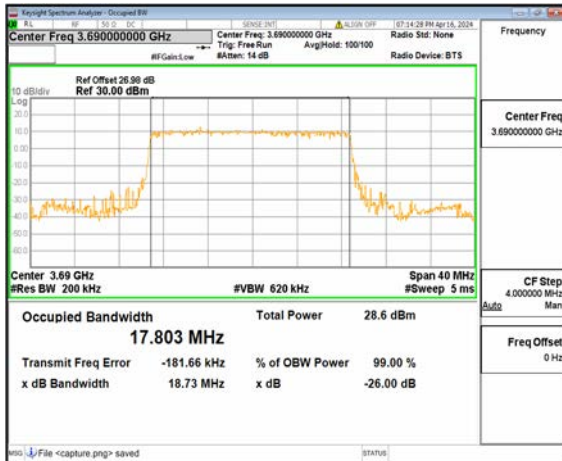
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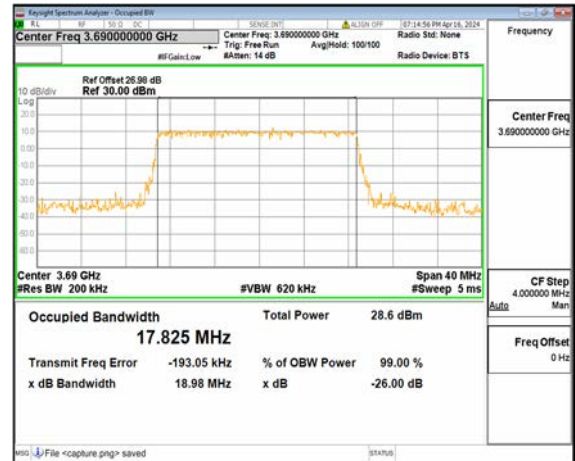
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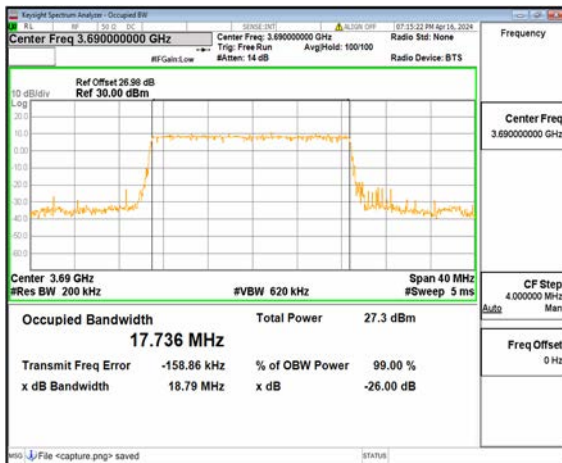
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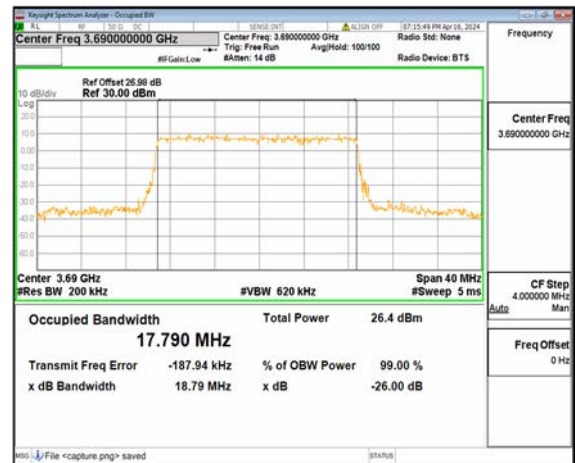
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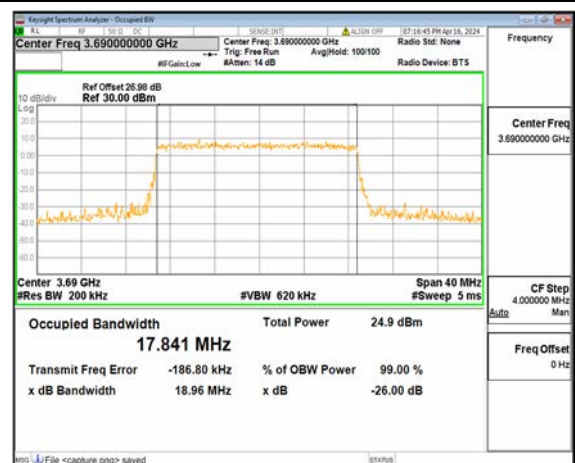
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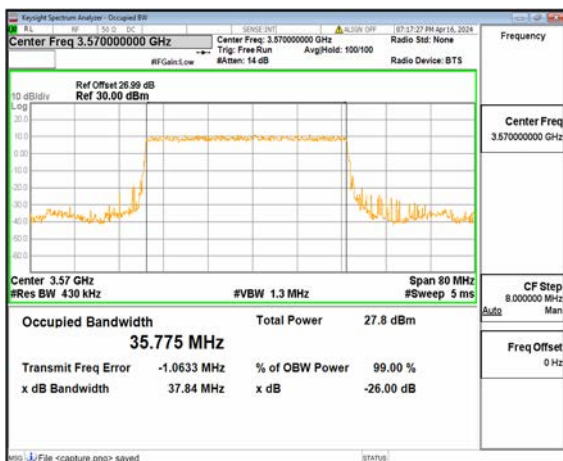
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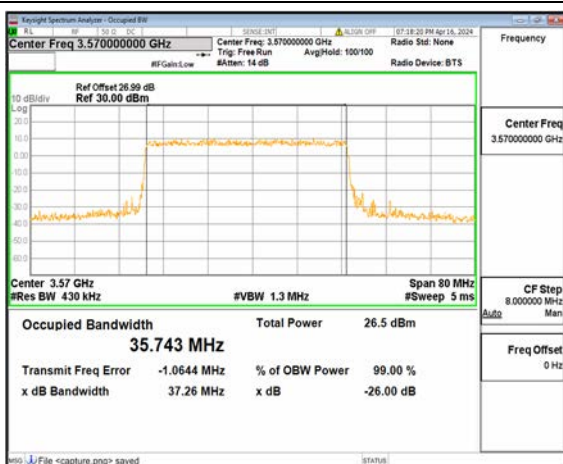
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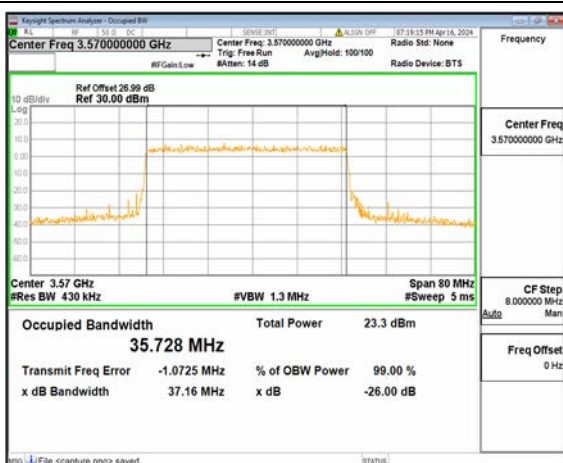
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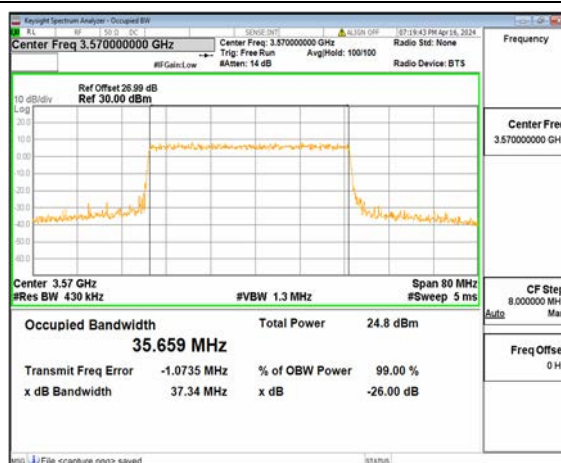
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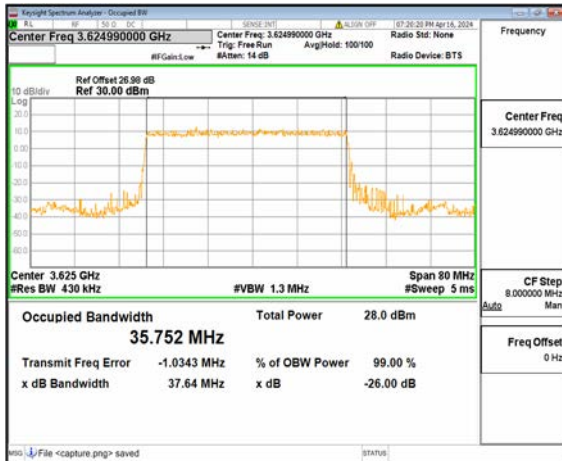
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n48 40M DFT-s-OFDM 256QAM Outer_Full Low



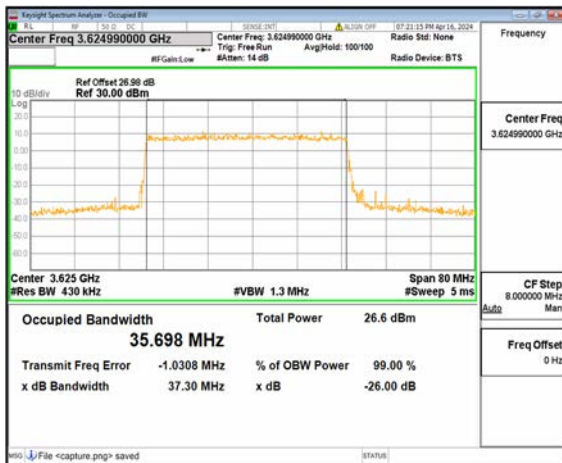
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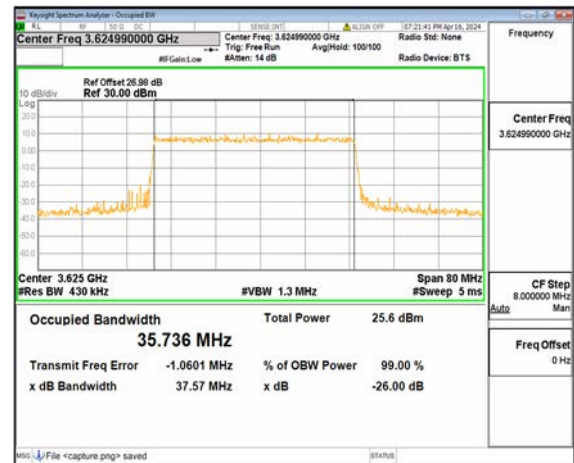
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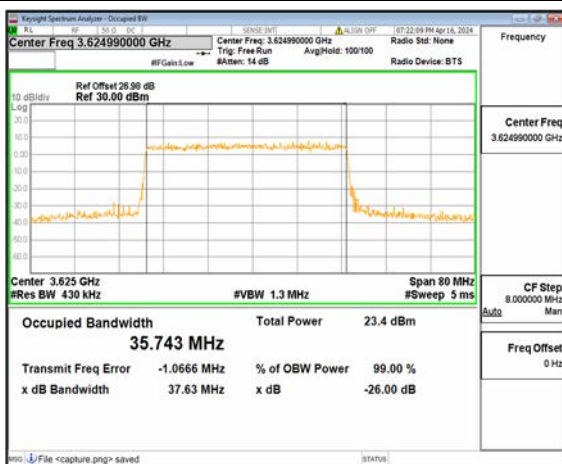
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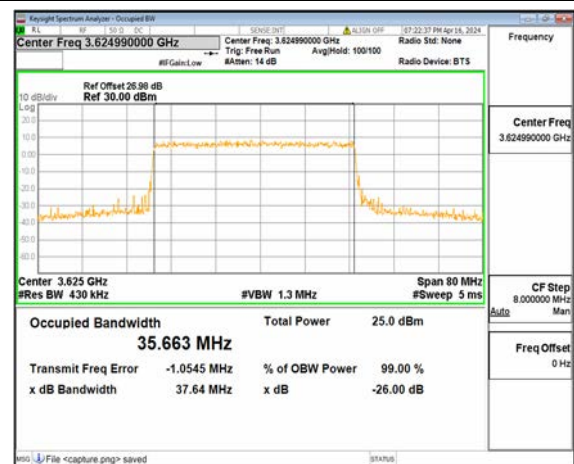
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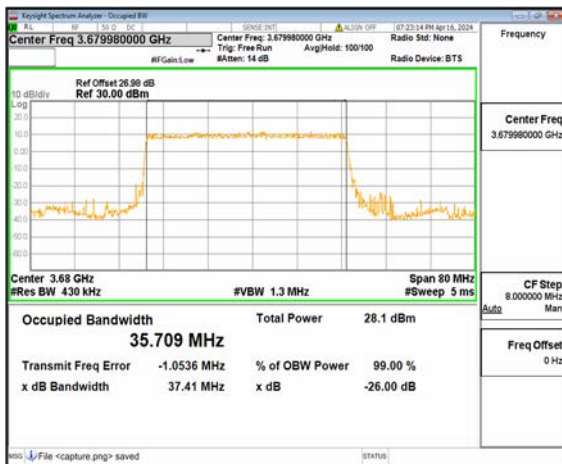
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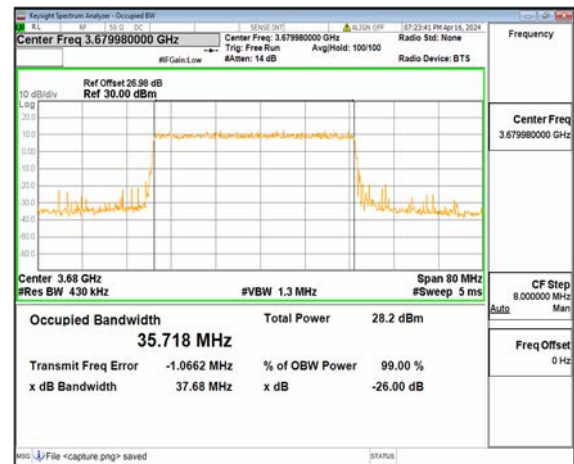
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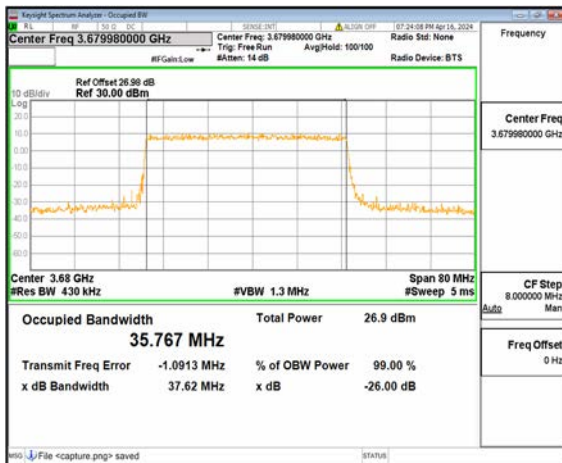
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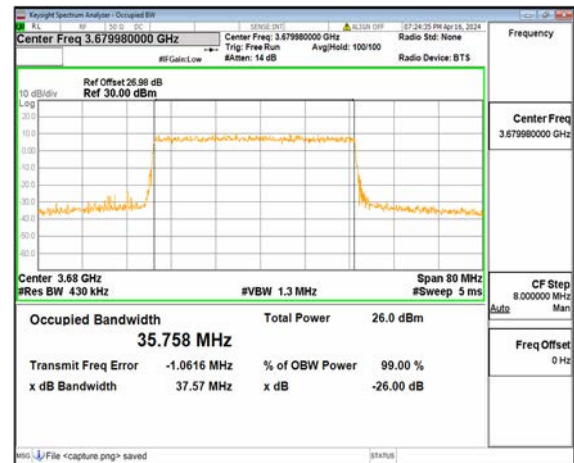
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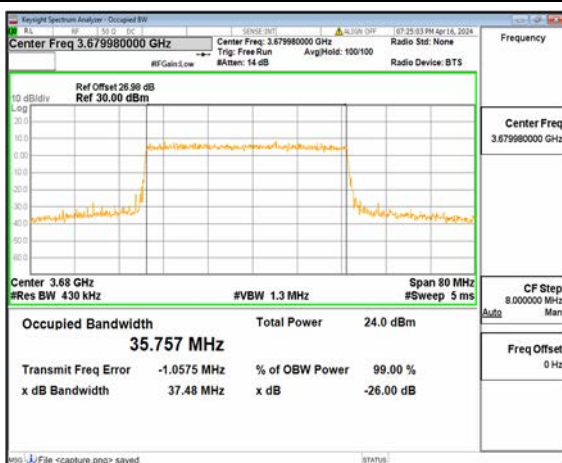
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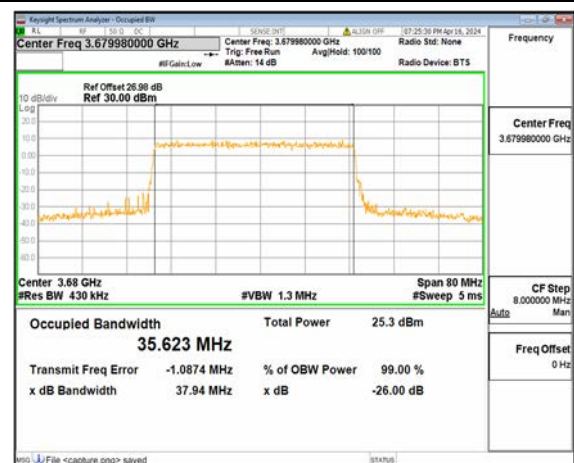
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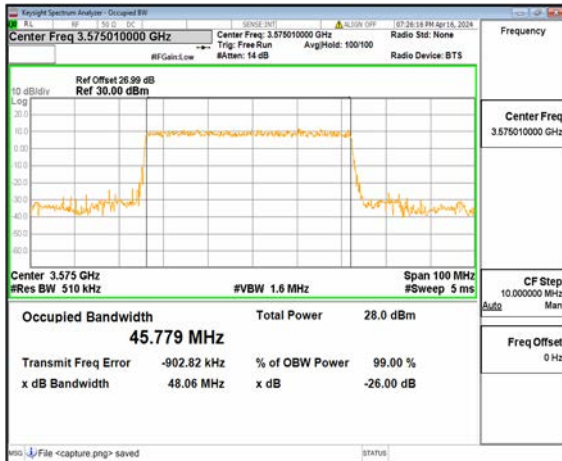
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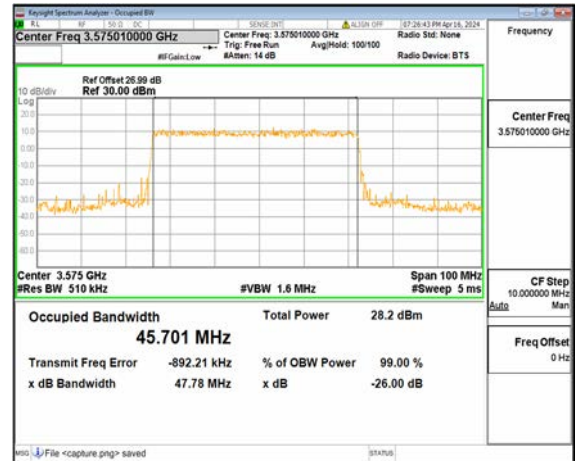
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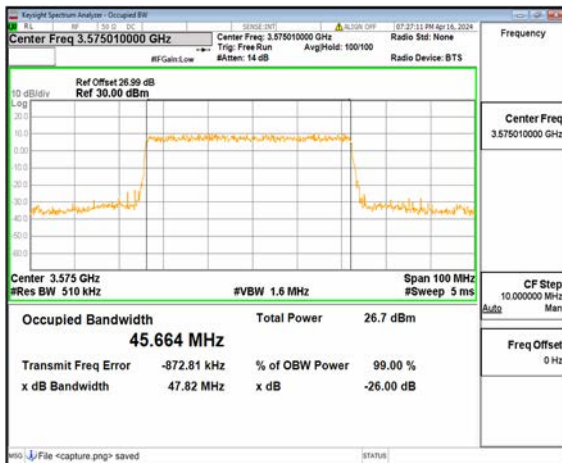
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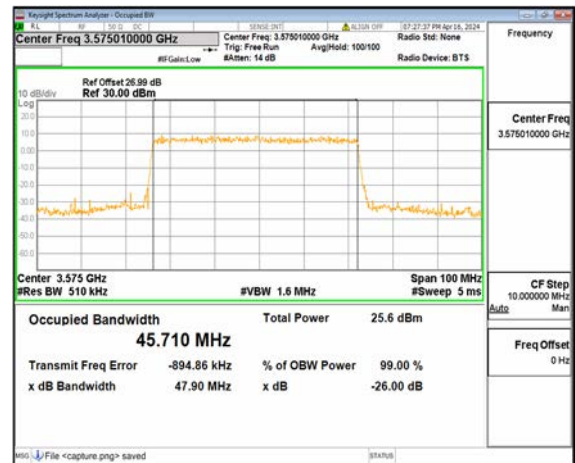
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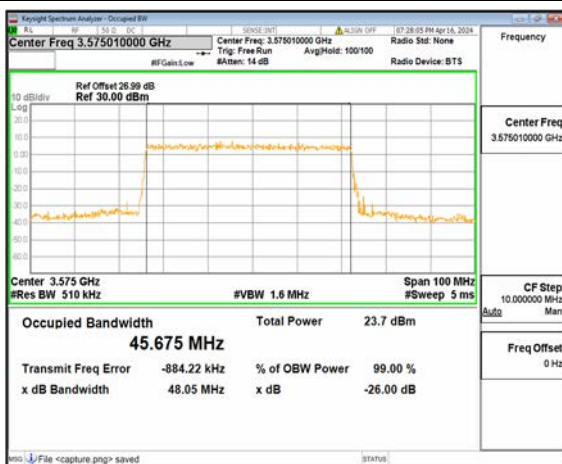
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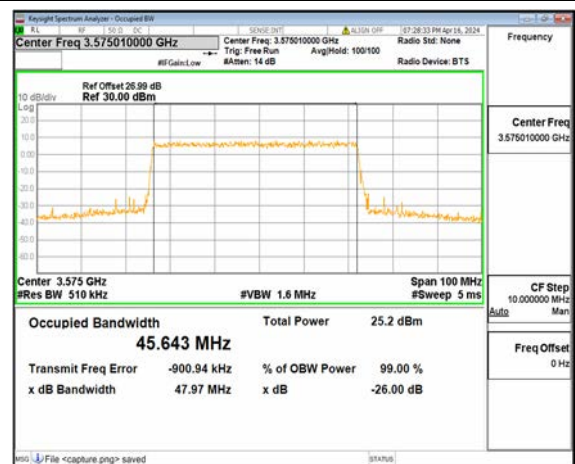
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n48 50M DFT-s-OFDM 64QAM Outer_Full Low



n48 50M DFT-s-OFDM 256QAM Outer_Full Low



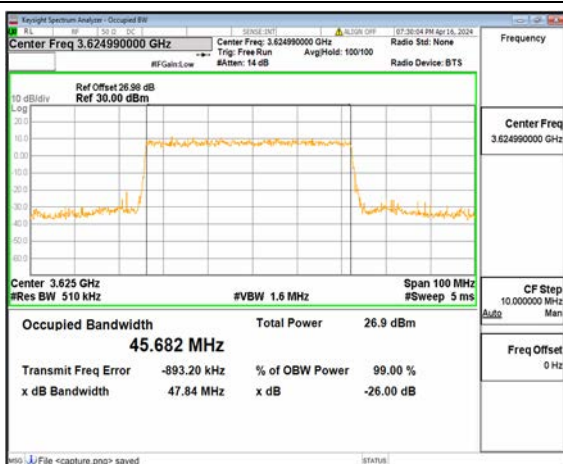
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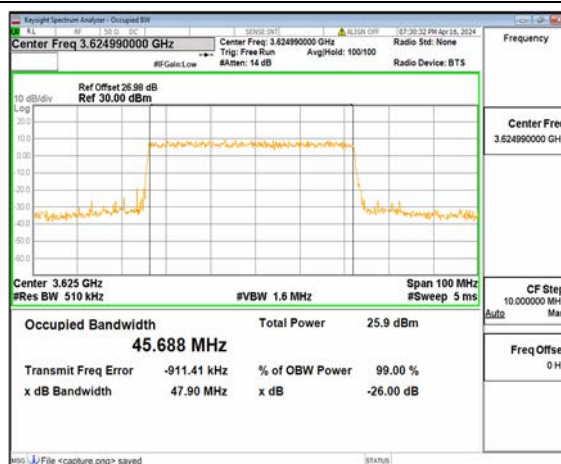
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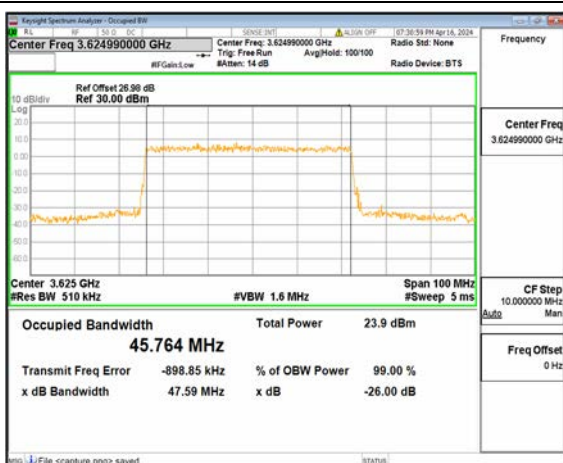
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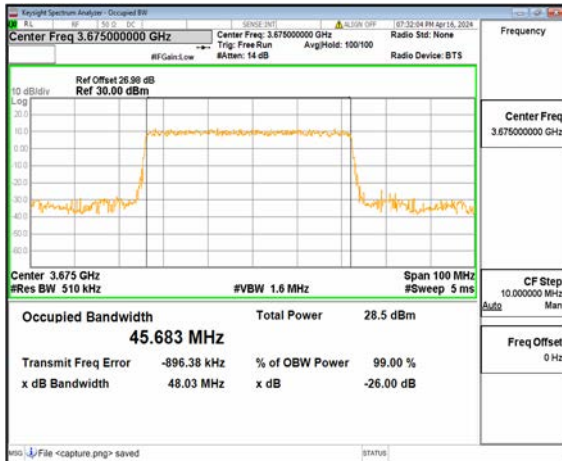
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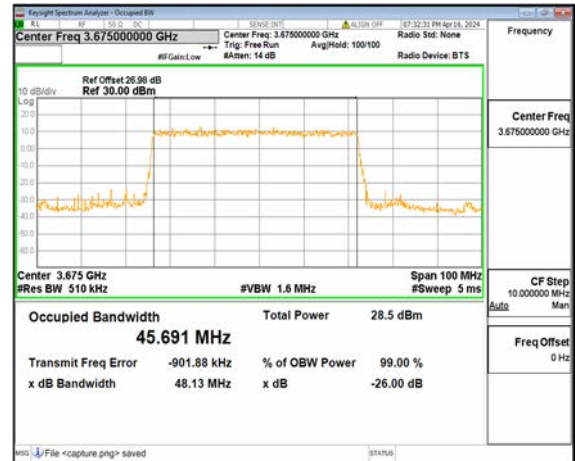
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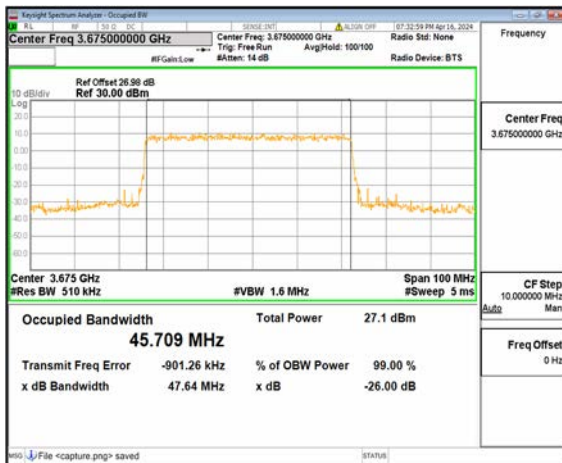
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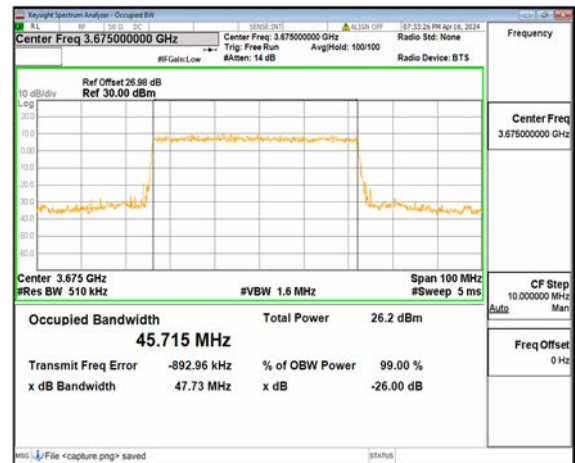
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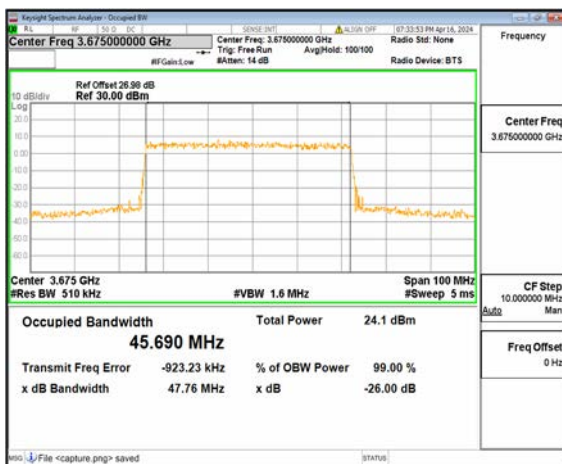
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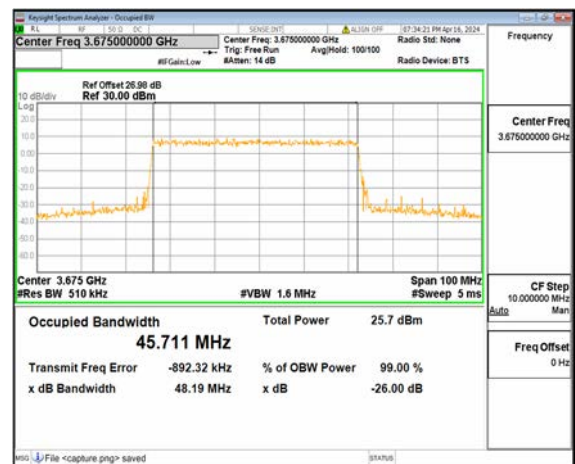
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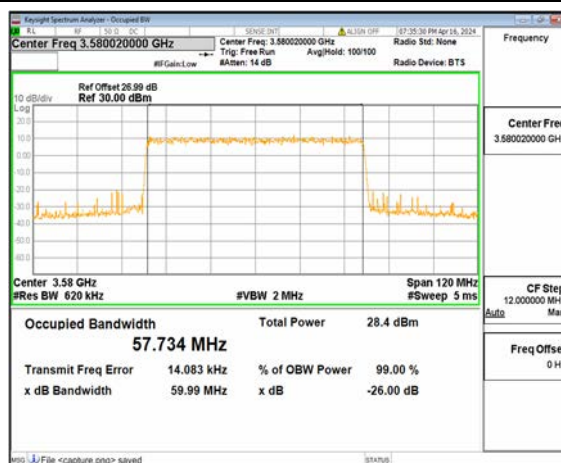
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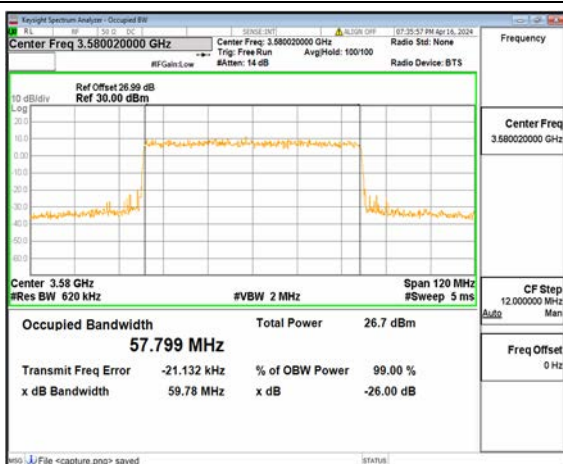
n48 50M CP-OFDM QPSK Outer_Full High



n48 60M DFT-s-OFDM BPSK Outer_Full Low



n48 60M DFT-s-OFDM QPSK Outer_Full Low



n48 60M DFT-s-OFDM 16QAM Outer_Full Low



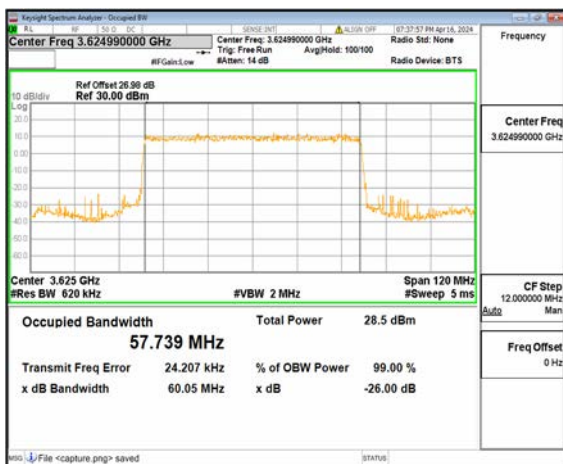
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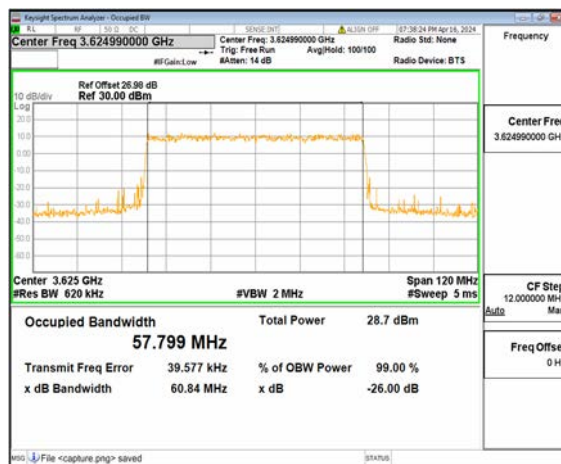
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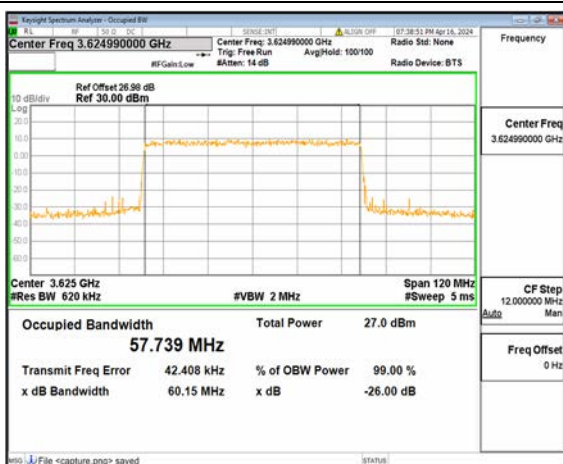
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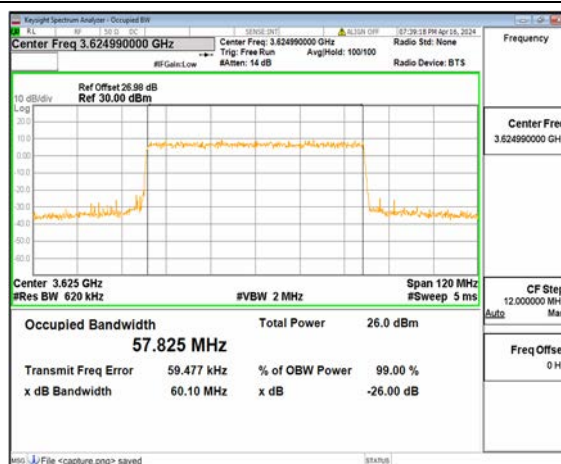
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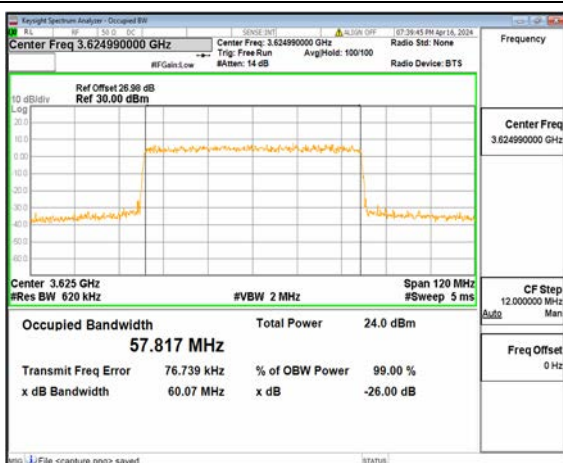
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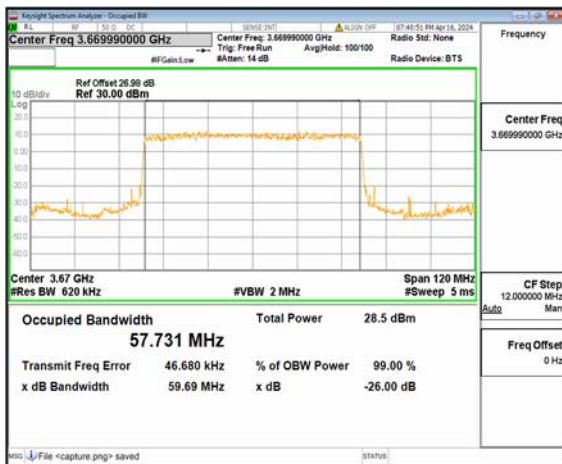
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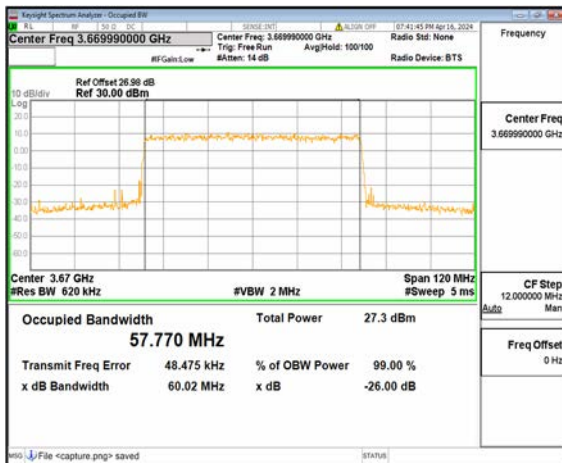
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n48 60M DFT-s-OFDM BPSK Outer_Full High



n48 60M DFT-s-OFDM QPSK Outer_Full High



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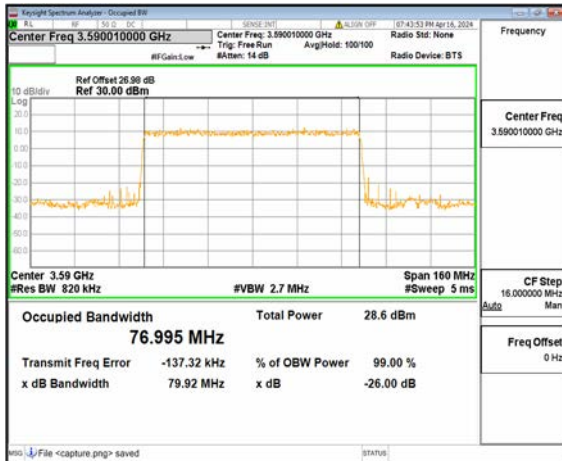
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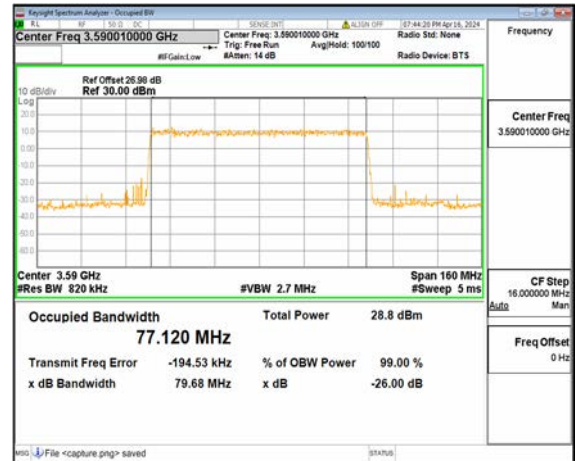
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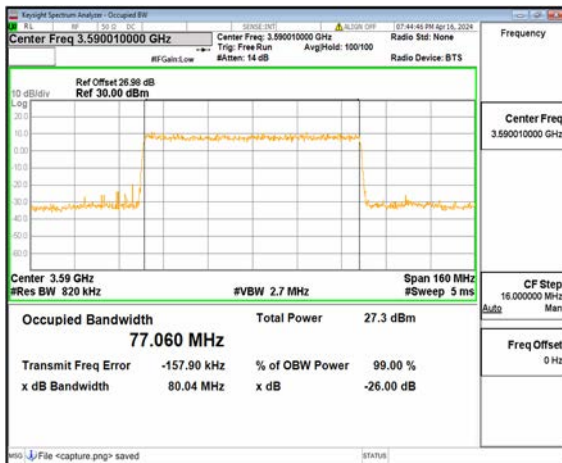
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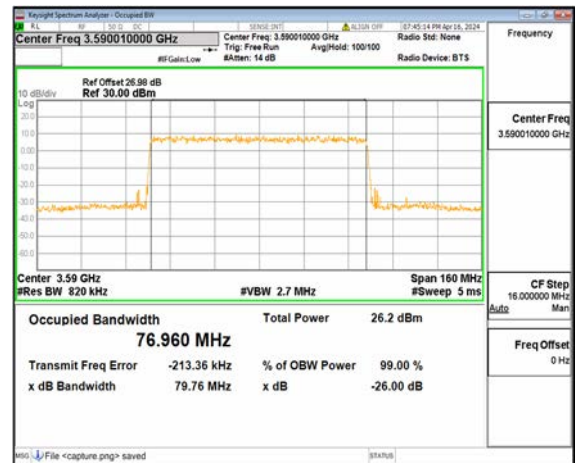
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n48 80M DFT-s-OFDM QPSK Outer_Full Low



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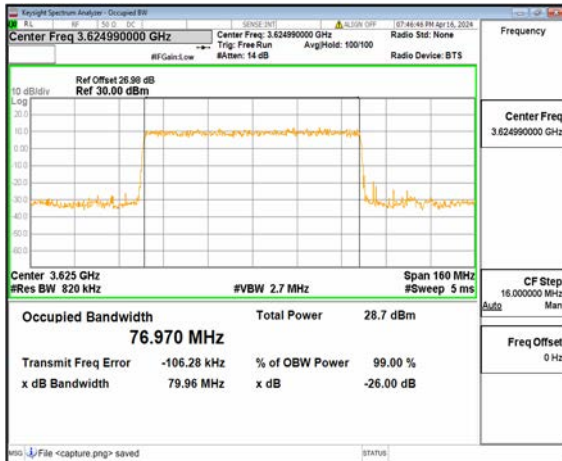
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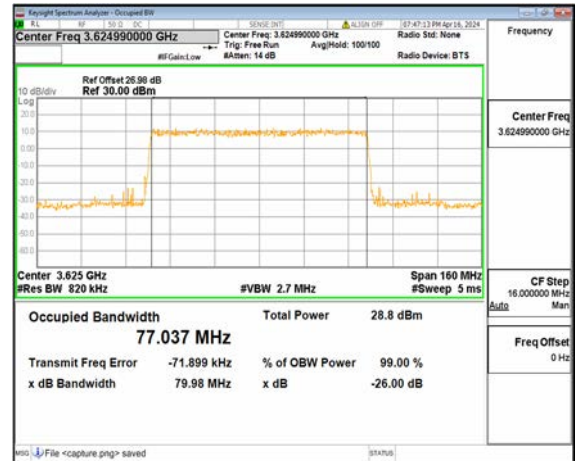
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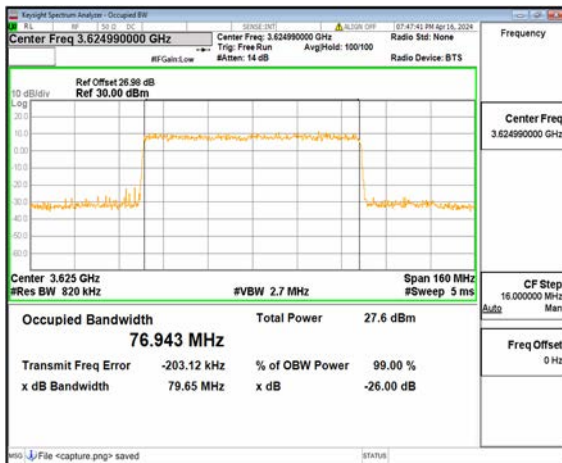
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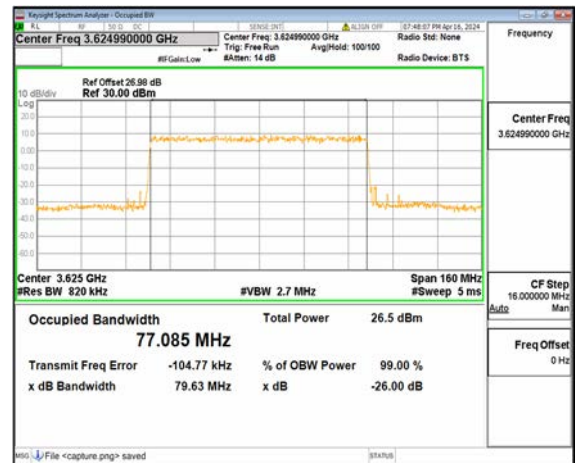
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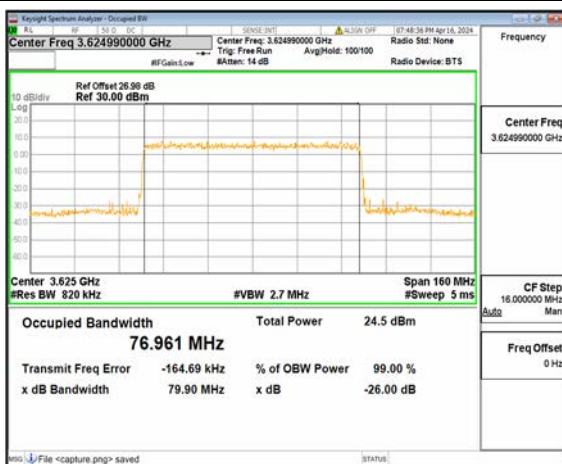
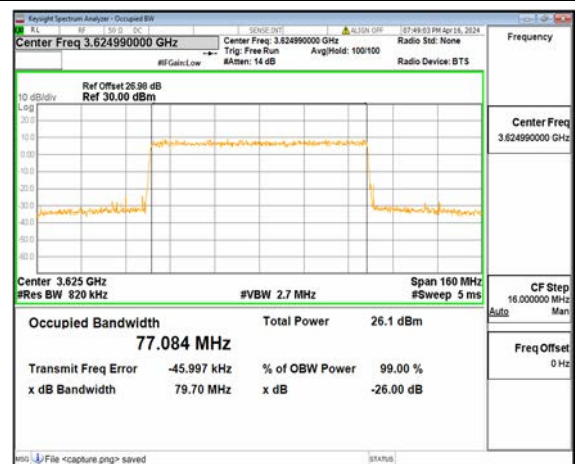
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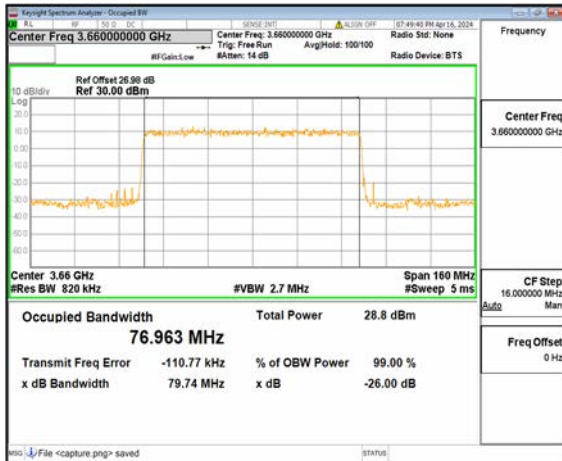
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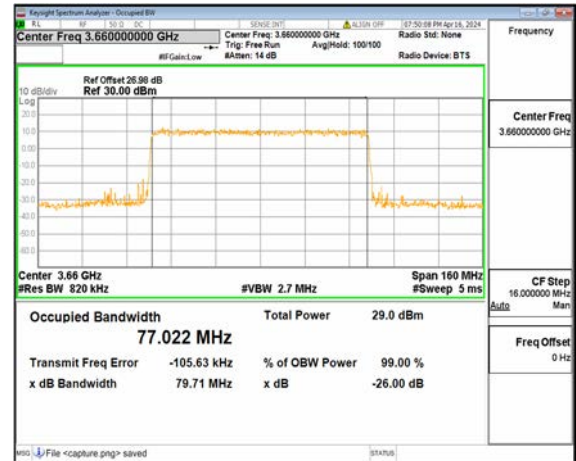
n48 80M DFT-s-OFDM 64QAM Outer_Full Mid

n48 80M DFT-s-OFDM 256QAM Outer_Full
Mid

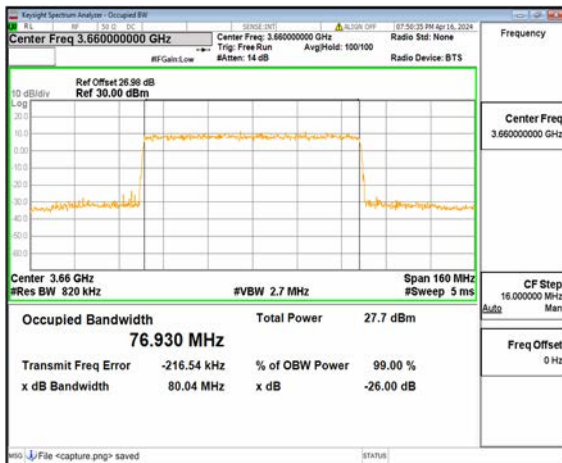
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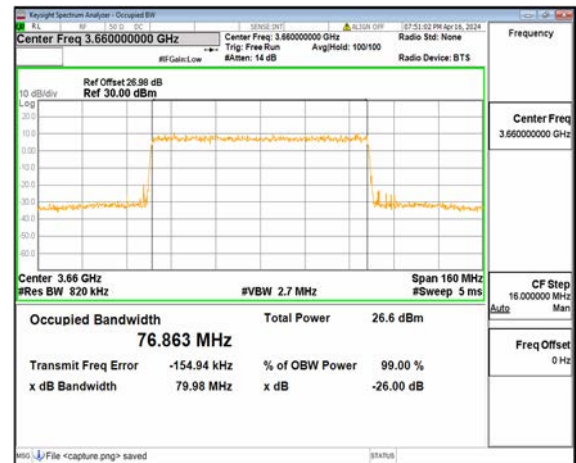
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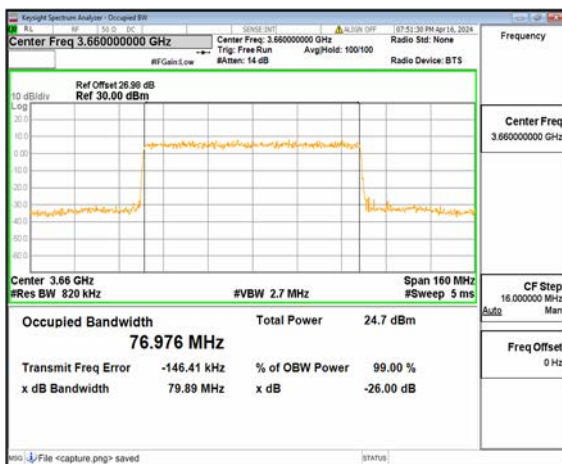
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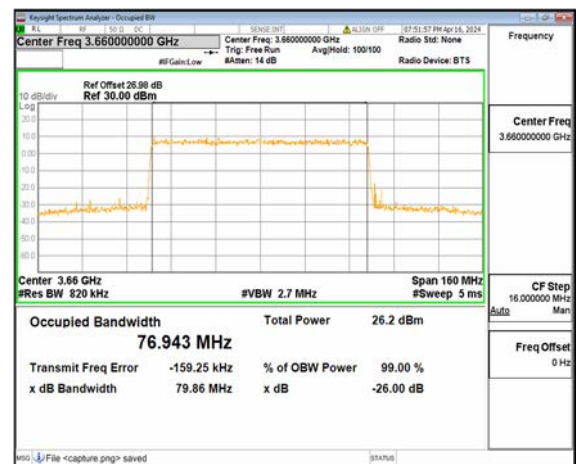
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n48 80M DFT-s-OFDM 64QAM Outer_Full High



n48 80M DFT-s-OFDM 256QAM Outer_Full High



n48 80M CP-OFDM QPSK Outer_Full High