
FCC Test Report

Report No.: AGC01689220609FE06

FCC ID : 2A2UU-P8

APPLICATION PURPOSE : Original Equipment

PRODUCT DESIGNATION : AI POS Terminal

BRAND NAME : Kobile, Clip

MODEL NAME : P8

APPLICANT : Shanghai Xiangcheng Communication Technology Co.,Ltd

DATE OF ISSUE : Aug. 16, 2022

STANDARD(S) : FCC Part 15.407

TEST PROCEDURE(S) : KDB 789033 D02 v02r01

REPORT VERSION : V1.0

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REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Aug. 16, 2022	Valid	Initial Release

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1. VERIFICATION OF CONFORMITY

Applicant	Shanghai Xiangcheng Communication Technology Co.,Ltd
Address	6th Floor, Building 10, No.3000 Longdong Avenue, Pudong New District, Shanghai, China
Manufacturer	Shanghai Xiangcheng Communication Technology Co.,Ltd
Address	6th Floor, Building 10, No.3000 Longdong Avenue, Pudong New District, Shanghai, China
Factory	Sichuan Xiangcheng Intelligent Technology Co, Ltd
Address	Factory No. 2, Zone A, Intelligent Terminal Demonstration Park, West Section of Gangyuan Road, Lingang Economic Development Zone, Yibin City, Sichuan Province
Product Designation	AI POS Terminal
Brand Name	Kobile, Clip
Test Model	P8
Date of receipt of test item	Jul. 04, 2022
Date of test	Jul. 04, 2022~Aug. 16, 2022
Deviation	No any deviation from the test method
Condition of Test Sample	Normal
Test Result	Pass
Report Template	AGCRT-US-BGN/RF

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with requirement of FCC Part 15 Rules requirement.

Prepared By



Alan Duan
(Project Engineer)

Aug. 16, 2022

Reviewed By



Calvin Liu
(Reviewer)

Aug. 16, 2022

Approved By



Max Zhang
Authorized Officer

Aug. 16, 2022

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2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

The EUT is designed as “AI POS Terminal”. It is designed by way of utilizing the OFDM technology to achieve the system operation.

A major technical description of EUT is described as following

Equipment Type	<input type="checkbox"/> Outdoor access points <input type="checkbox"/> Fixed P2P access points	<input type="checkbox"/> Indoor access points <input checked="" type="checkbox"/> Client devices
Operation Frequency	<input checked="" type="checkbox"/> U-NII 1:5150MHz~5250MHz <input type="checkbox"/> U-NII 2C:5470MHz~5725MHz	<input checked="" type="checkbox"/> U-NII 2A: 5250MHz~5350MHz <input checked="" type="checkbox"/> U-NII 3: 5725MHz~5850MHz
DFS Design Type	<input type="checkbox"/> Master <input type="checkbox"/> Slave with radar detection	<input checked="" type="checkbox"/> Slave without radar detection
TPC Function	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Test Frequency Range	For 802.11a/n-HT20/ac-VHT20: 5180~5240MHz, 5260~5320MHz, 5745~5825MHz For 802.11n-HT40/ac-VHT40: 5190~5230MHz, 5270~5310MHz, 5755~5795MHz For 802.11ac-VHT80: 5210MHz, 5290MHz, 5775MHz	
Max Average Power	IEEE 802.11a:13.02dBm; IEEE 802.11n-HT20:11.59dBm; IEEE 802.11n-HT40:11.61dBm; IEEE 802.11ac-VHT20:11.66dBm; IEEE 802.11ac-VHT40:10.81dBm; IEEE 802.11ac-VHT80:10.75dBm	
Modulation	802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM, 128QAM) 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 128QAM, 256QAM)	
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 300Mbps 802.11ac: up to 866.6Mbps	
Number of channels	7 channels of U-NII-1 Band 7 channels of U-NII-2A Band 8 channels of U-NII-3 Band	
Hardware Version	V1.0A	
Software Version	P0821_ALL_V1.0_20220613	
Antenna Designation	PIFA Antenna (Comply with requirements of the FCC part 15.203)	
Antenna Gain	U-NII-1 Band:2.67dBi U-NII-2A Band:2.82dBi U-NII-3 Band:2.30dBi	
Power Supply	DC 7.60V by battery	

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2.2. TABLE OF CARRIER FREQUENCIES

For 5180~5240MHz:

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency	Channel	Frequency
36	5180 MHz	44	5220 MHz
40	5200 MHz	48	5240 MHz

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency	Channel	Frequency
42	5210 MHz	--	--

For 5260~5320MHz:

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency	Channel	Frequency
52	5260 MHz	60	5300 MHz
56	5280 MHz	64	5320 MHz

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency	Channel	Frequency
58	5290 MHz	--	--

For 5745~5825MHz:

5 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency	Channel	Frequency
149	5745 MHz	161	5805 MHz
153	5765 MHz	165	5825 MHz
157	5785 MHz	--	--

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency	Channel	Frequency
155	5775 MHz	--	--

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2.3. RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for **FCC ID: 2A2UU-P8** filing to comply with the FCC Part 15 requirements.

2.4. TEST METHODOLOGY

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10 (2013). Radiated testing was performed at an antenna to EUT distance 3 meters.

Others testing (listed at item 5.3) was performed according to the procedures in FCC Part 15.407 rules KDB 789033 D02

2.5. SPECIAL ACCESSORIES

Refer to section 5.2.

2.6. EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

2.7. ANTENNA REQUIREMENT

This intentional radiator is designed with a permanently attached antenna of an antenna to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

For more information of the antenna, please refer to the APPENDIX B: PHOTOGRAPHS OF EUT.

3. MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

Item	Measurement Uncertainty
Uncertainty of Conducted Emission for AC Port	$U_c = \pm 3.1 \text{ dB}$
Uncertainty of Radiated Emission below 1GHz	$U_c = \pm 4.0 \text{ dB}$
Uncertainty of Radiated Emission above 1GHz	$U_c = \pm 4.8 \text{ dB}$
Uncertainty of total RF power, conducted	$U_c = \pm 0.8 \text{ dB}$
Uncertainty of RF power density, conducted	$U_c = \pm 2.6 \text{ dB}$
Uncertainty of spurious emissions, conducted	$U_c = \pm 2 \%$
Uncertainty of Occupied Channel Bandwidth	$U_c = \pm 2 \%$

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4. DESCRIPTION OF TEST MODES

Mode	Available channel	Tested channel	Modulation	Date rate (Mbps)
802.11a/n/ac20	36,40,44,48,52,56,60,64 149,153,157,161,165	36,40,48,52,56,64 149,157,165	OFDM	6Mbps/MCS0
802.11n/ac40	38,46,54,62,151,159	38,46, 54,62,151,159	OFDM	MCS0
802.11ac80	42, 58,155	42, 58,155	OFDM	MCS0

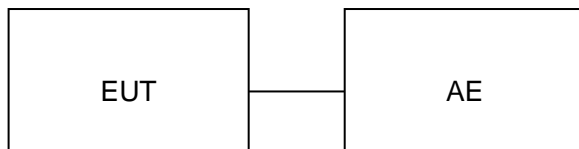
Note:

1. The EUT has been set to operate continuously on tested channel individually, and the EUT is operating at its maximum duty cycle>or equal 98%.
2. All modes under which configure applicable have been tested and the worst mode test data recording in the test report, if no other mode data.
3. The test software is through engineering commands, EUT can be set to a separate test mode.

5. SYSTEM TEST CONFIGURATION

5.1. CONFIGURATION OF EUT SYSTEM

Configure 1:



5.2. EQUIPMENT USED IN EUT SYSTEM

Item	Equipment	Model No.	ID or Specification	Remark
1	AI POS Terminal	P8	2A2UU-P8	EUT
2	Adapter	TPA-23A050200UU01	Input: AC 100-240V 50/60Hz, 0.35A Output: DC 5.0V 2.0A	AE
3	Battery	P8	DC 7.60V 2500mAh	AE
4	USB Cable	N/A	N/A	AE

5.3. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.407	6dB Bandwidth	Compliant
§15.407	Emission Bandwidth	Compliant
§15.407	Maximum conducted output power	Compliant
§15.407	Conducted Spurious Emission	Compliant
§15.407	Maximum Conducted Output Power Density	Compliant
§15.209	Radiated Emission	Compliant
§15.407	Band Edges	Compliant
§15.207	Line Conduction Emission	Compliant

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6. TEST FACILITY

Test Site	Attestation of Global Compliance (Shenzhen) Co., Ltd
Location	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Designation Number	CN1259
FCC Test Firm Registration Number	975832
A2LA Cert. No.	5054.02
Description	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by A2LA

TEST EQUIPMENT OF CONDUCTED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESPI	101206	Mar. 28, 2022	Mar. 27, 2023
LISN	R&S	ESH2-Z5	100086	Jun. 08, 2022	Jun. 07, 2032
Test software	R&S	ES-K1 (Ver V1.71)	N/A	N/A	N/A

TEST EQUIPMENT OF RADIATED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESCI	10096	Mar. 28, 2022	Mar. 27, 2023
EXA Signal Analyzer	Aglient	N9010A	MY53470504	Nov. 17, 2021	Nov. 16, 2022
2.4GHz Filter	EM Electronics	2400-2500MHz	N/A	N/A	N/A
Attenuator	ZHINAN	E-002	N/A	Sep. 03, 2020	Sep. 02, 2022
Horn antenna	SCHWARZBECK	BBHA 9170	#768	Oct. 31, 2021	Oct. 30, 2023
Active loop antenna (9K-30MHz)	ZHINAN	ZN30900C	18051	Mar. 12, 2022	Mar. 11, 2024
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	Apr. 23, 2021	Apr. 22, 2023
Broadband Preamplifier	ETS LINDGREN	3117PA	00225134	Sep. 03, 2020	Sep. 02, 2022
ANTENNA	SCHWARZBECK	VULB9168	494	Jan. 08, 2021	Jan. 07, 2023
Test software	FARA	EZ-EMC(Ver.AGC-CON03A1)	N/A	N/A	N/A

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7. MAXIMUM CONDUCTED OUTPUT POWER

7.1. MEASUREMENT PROCEDURE

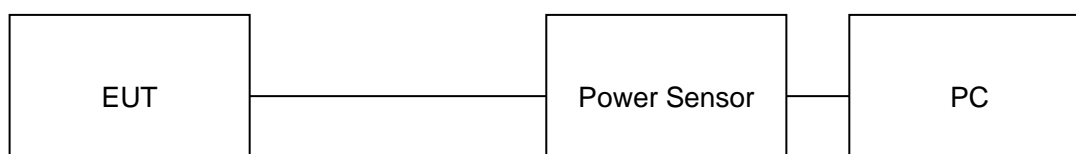
For average power test:

1. Connect EUT RF output port to power sensor through an RF attenuator.
2. Connect the power sensor to the PC.
3. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
4. Record the maximum power from the software.

Note : The EUT was tested according to KDB 789033 for compliance to FCC 47CFR 15.407 requirements.

7.2. TEST SET-UP

AVERAGE POWER SETUP



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7.3. LIMITS AND MEASUREMENT RESULT

Test Data of Conducted Output Power for band 5.15-5.25 GHz				
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail
802.11a	5180	11.13	23.98	Pass
	5200	11.56	23.98	Pass
	5240	12.16	23.98	Pass
802.11n20	5180	10.36	23.98	Pass
	5200	10.20	23.98	Pass
	5240	11.00	23.98	Pass
802.11n40	5190	10.22	23.98	Pass
	5230	10.92	23.98	Pass
802.11ac20	5180	9.69	23.98	Pass
	5200	10.01	23.98	Pass
	5240	10.91	23.98	Pass
802.11ac40	5190	10.03	23.98	Pass
	5230	10.81	23.98	Pass
802.11ac80	5210	9.80	23.98	Pass

Test Data of Conducted Output Power for band 5.25-5.35 GHz				
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail
802.11a	5260	11.72	23.98	Pass
	5300	13.02	23.98	Pass
	5320	12.61	23.98	Pass
802.11n20	5260	10.45	23.98	Pass
	5300	11.36	23.98	Pass
	5320	11.59	23.98	Pass
802.11n40	5270	11.06	23.98	Pass
	5310	11.61	23.98	Pass
802.11ac20	5260	10.43	23.98	Pass
	5300	11.50	23.98	Pass
	5320	11.66	23.98	Pass
802.11ac40	5270	9.87	23.98	Pass
	5310	9.45	23.98	Pass
802.11ac80	5290	10.75	23.98	Pass

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Test Data of Conducted Output Power for band 5.725-5.85 GHz				
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail
802.11a	5745	8.31	30	Pass
	5785	9.11	30	Pass
	5825	9.96	30	Pass
802.11n20	5745	8.22	30	Pass
	5785	8.95	30	Pass
	5825	10.65	30	Pass
802.11n40	5755	8.91	30	Pass
	5795	9.28	30	Pass
802.11ac20	5745	8.56	30	Pass
	5785	9.20	30	Pass
	5825	9.60	30	Pass
802.11ac40	5755	8.89	30	Pass
	5795	9.35	30	Pass
802.11ac80	5775	8.75	30	Pass

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8. BANDWIDTH

8.1. MEASUREMENT PROCEDURE

-6dB bandwidth (DTS bandwidth):

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on operation frequency individually.
3. Set RBW = 100kHz.
4. Set the VBW $\geq 3 \times \text{RBW}$. Detector = Peak. Trace mode = max hold.
5. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.

99% occupied bandwidth:

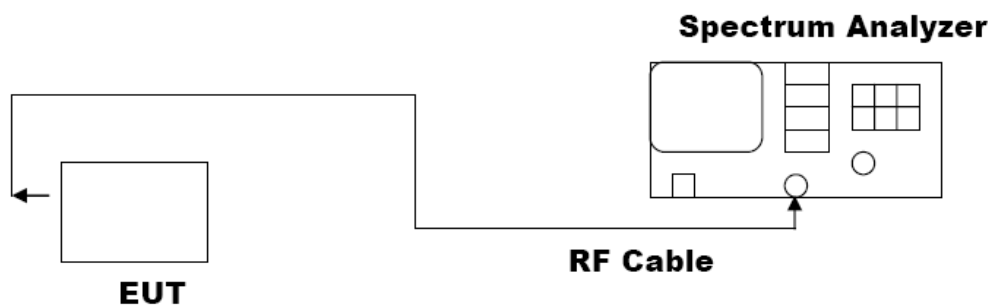
1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
3. Set Span = approximately 1.5 to 5 times the OBW, centered on a nominal channel
The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be approximately three times RBW; Sweep = auto; Detector function = peak
4. Set SPA Trace 1 Max hold, then View.

-26dB Bandwidth:

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set the VBW $> \text{RBW}$.
3. Detector = Peak.
4. Trace mode = max hold.
5. Measure the maximum width of the emission that is 26 dB down from the maximum of the emission.
Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

Note: The EUT was tested according to KDB 789033 for compliance to FCC 47CFR 15.407 requirements.

8.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



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8.3. LIMITS AND MEASUREMENT RESULTS

Test Data of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz					
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	-26dB Bandwidth (MHz)	Limits (MHz)	Pass or Fail
802.11a	5180	16.494	24.381	N/A	Pass
	5200	16.557	23.176	N/A	Pass
	5240	16.572	24.980	N/A	Pass
802.11n20	5180	17.629	22.894	N/A	Pass
	5200	17.577	23.772	N/A	Pass
	5240	17.624	22.325	N/A	Pass
802.11n40	5190	36.034	45.493	N/A	Pass
	5230	36.100	58.822	N/A	Pass
802.11ac20	5180	17.629	23.121	N/A	Pass
	5200	17.603	20.588	N/A	Pass
	5240	17.603	20.277	N/A	Pass
802.11ac40	5190	36.014	40.507	N/A	Pass
	5230	36.037	44.495	N/A	Pass
802.11ac80	5210	75.420	80.452	N/A	Pass

Test Data of Occupied Bandwidth and -26dB Bandwidth for band 5.25-5.35 GHz					
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	-26dB Bandwidth (MHz)	Limits (MHz)	Pass or Fail
802.11a	5260	16.476	21.872	N/A	Pass
	5300	16.489	20.722	N/A	Pass
	5320	16.481	21.742	N/A	Pass
802.11n20	5260	17.590	20.397	N/A	Pass
	5300	17.573	20.085	N/A	Pass
	5320	17.580	19.883	N/A	Pass
802.11n40	5270	35.997	45.010	N/A	Pass
	5310	36.048	50.430	N/A	Pass
802.11ac20	5260	17.546	19.987	N/A	Pass
	5300	17.550	20.272	N/A	Pass
	5320	17.556	20.151	N/A	Pass
802.11ac40	5270	35.926	40.274	N/A	Pass
	5310	35.922	40.299	N/A	Pass
802.11ac80	5290	75.196	80.391	N/A	Pass

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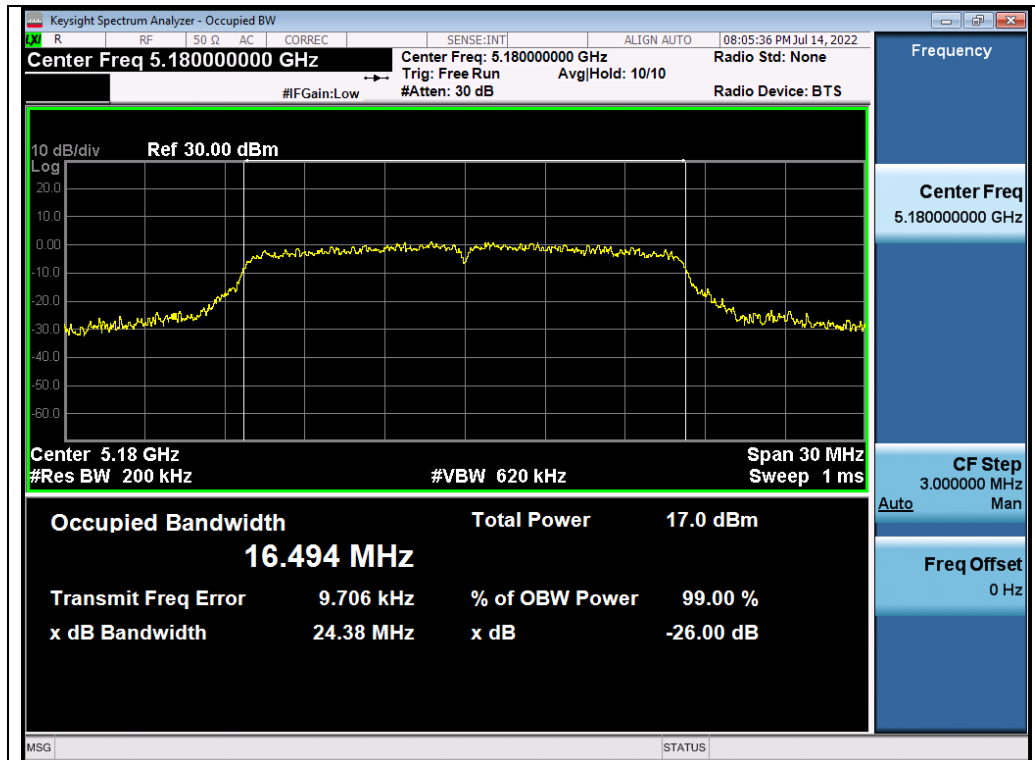
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Test Data of Occupied Bandwidth and DTS Bandwidth for band 5.725-5.85 GHz					
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	DTS Bandwidth (MHz)	Limits (MHz)	Pass or Fail
802.11a	5745	16.532	15.095	0.5	Pass
	5785	16.536	15.110	0.5	Pass
	5825	16.522	15.102	0.5	Pass
802.11n20	5745	17.641	15.063	0.5	Pass
	5785	17.645	15.071	0.5	Pass
	5825	17.617	15.093	0.5	Pass
802.11n40	5755	35.989	35.095	0.5	Pass
	5795	36.019	35.101	0.5	Pass
802.11ac20	5745	17.607	15.096	0.5	Pass
	5785	17.606	15.115	0.5	Pass
	5825	17.573	15.071	0.5	Pass
802.11ac40	5755	35.987	35.076	0.5	Pass
	5795	36.003	35.104	0.5	Pass
802.11ac80	5775	75.346	75.127	0.5	Pass

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Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz

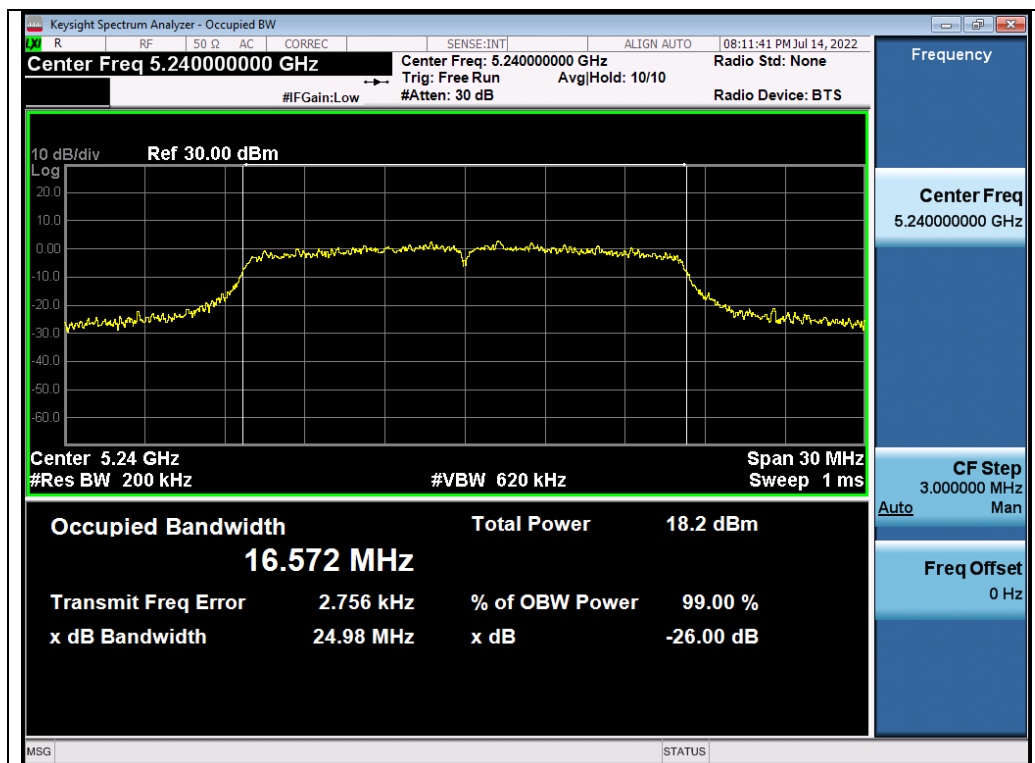


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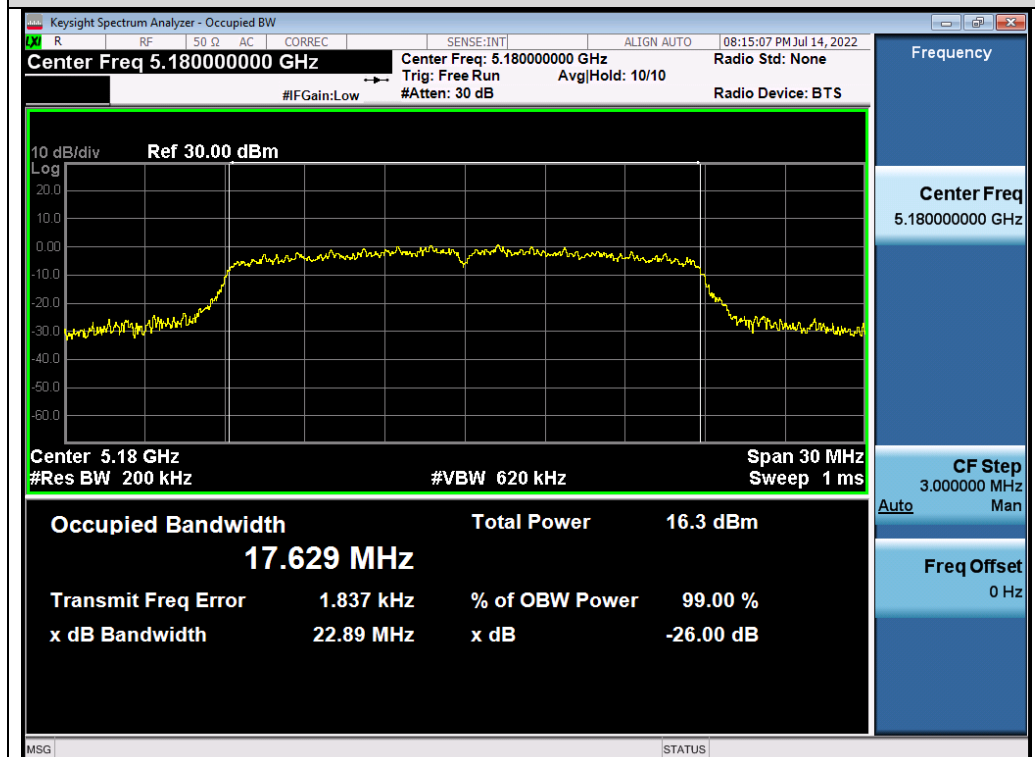


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Test_Graph_802.11a_ANT1_5240_6Mbps_OBW



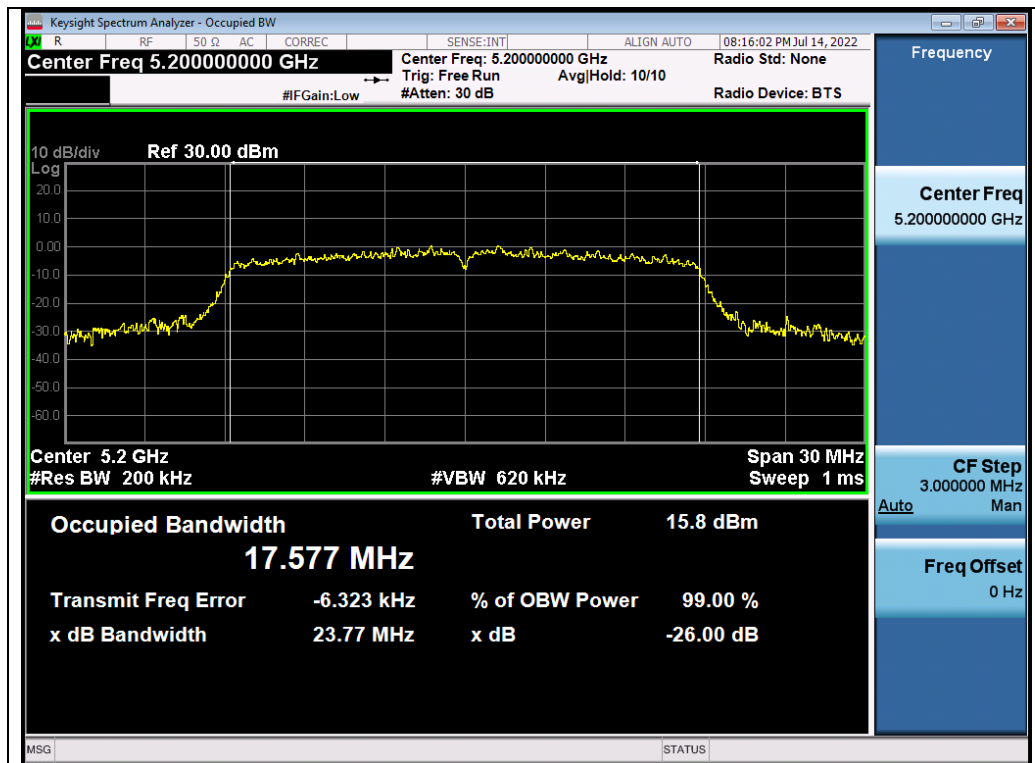
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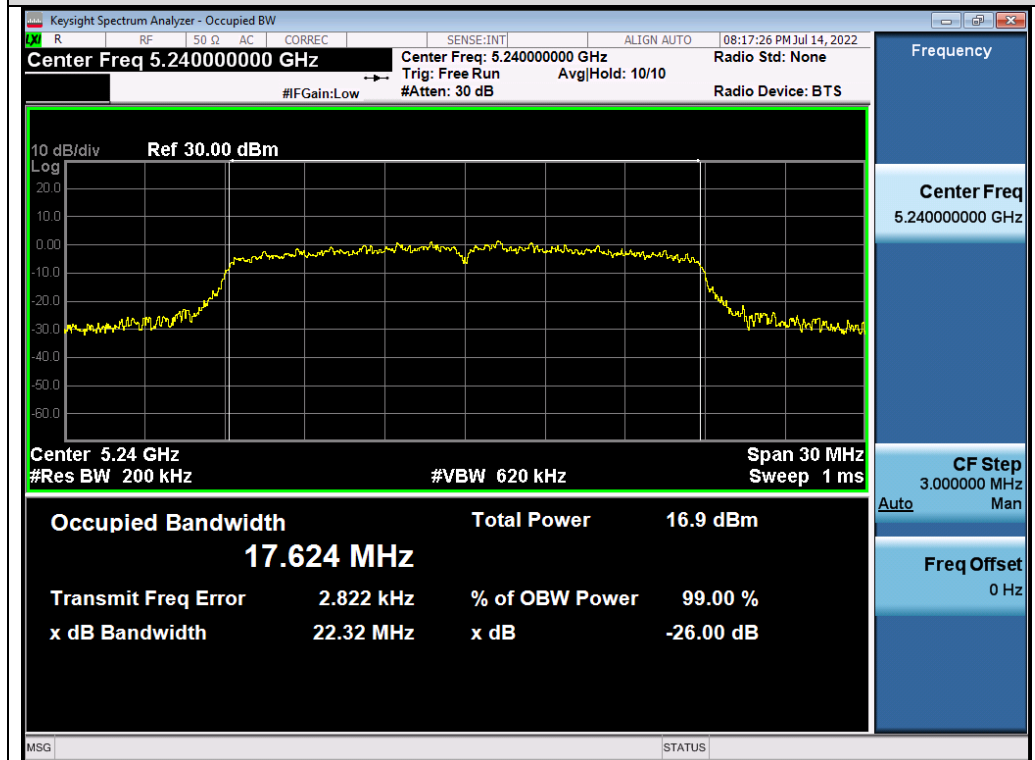
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Test_Graph_802.11n20_ANT1_5200_MCS0_OBW



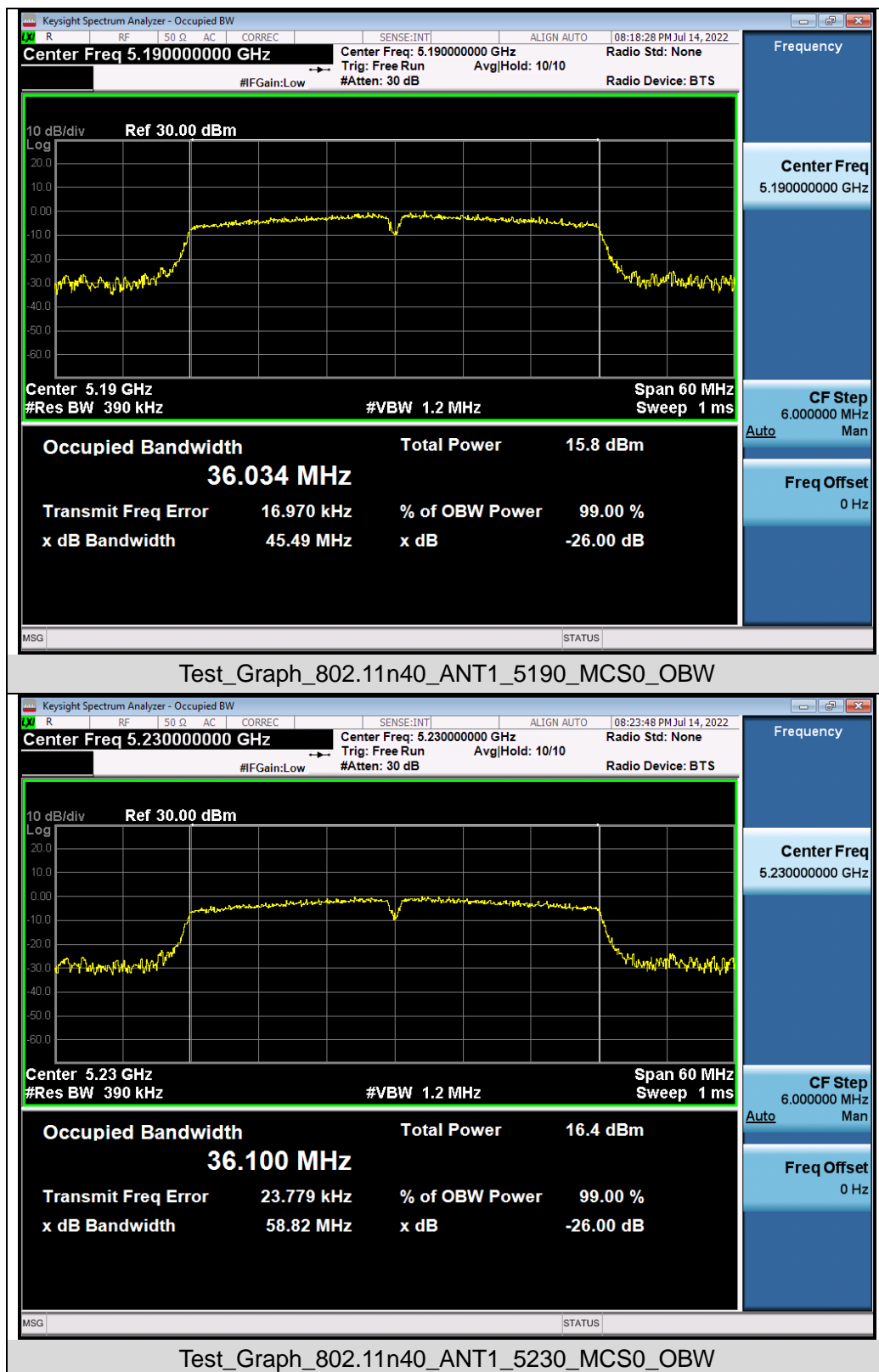
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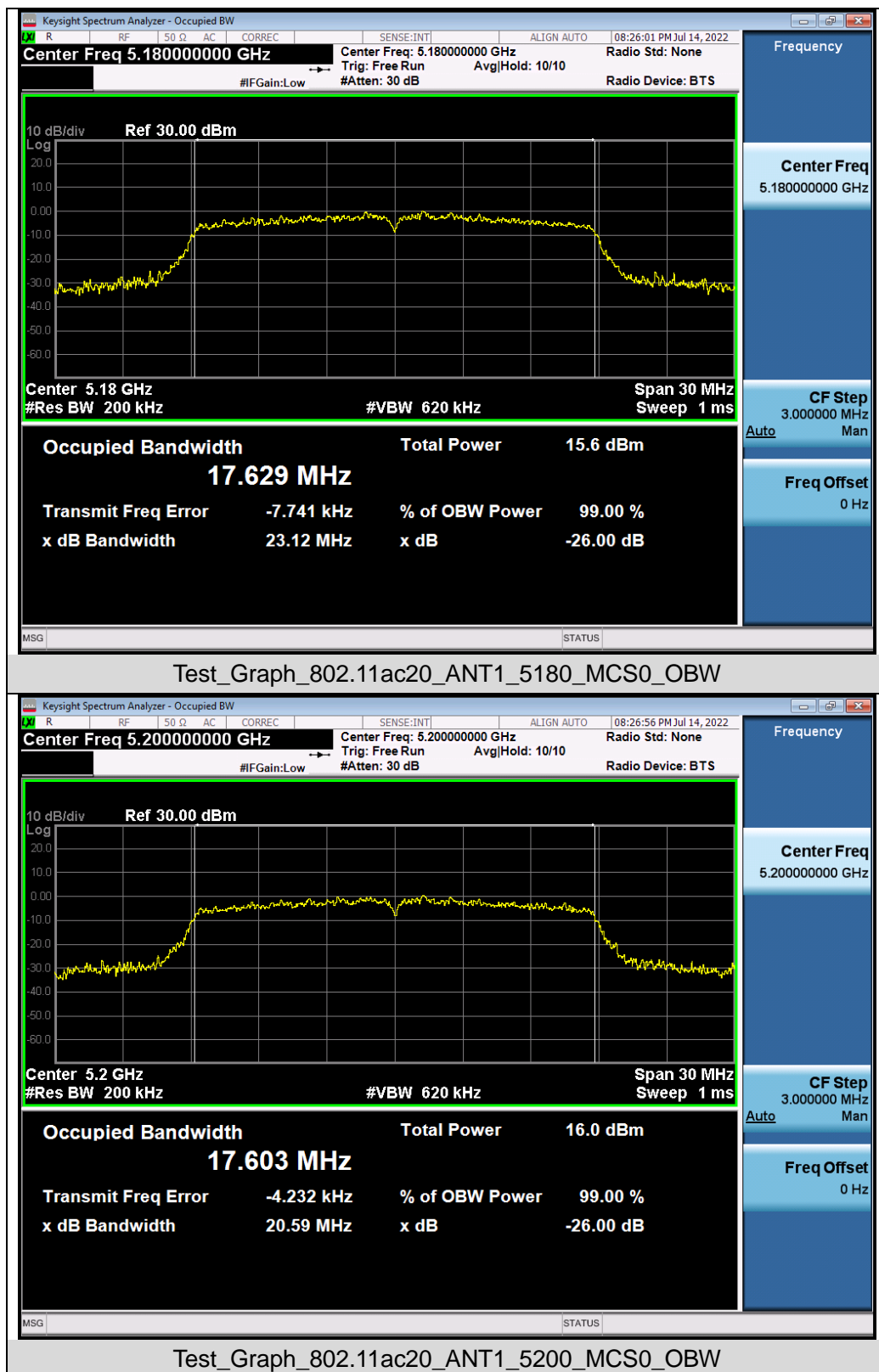
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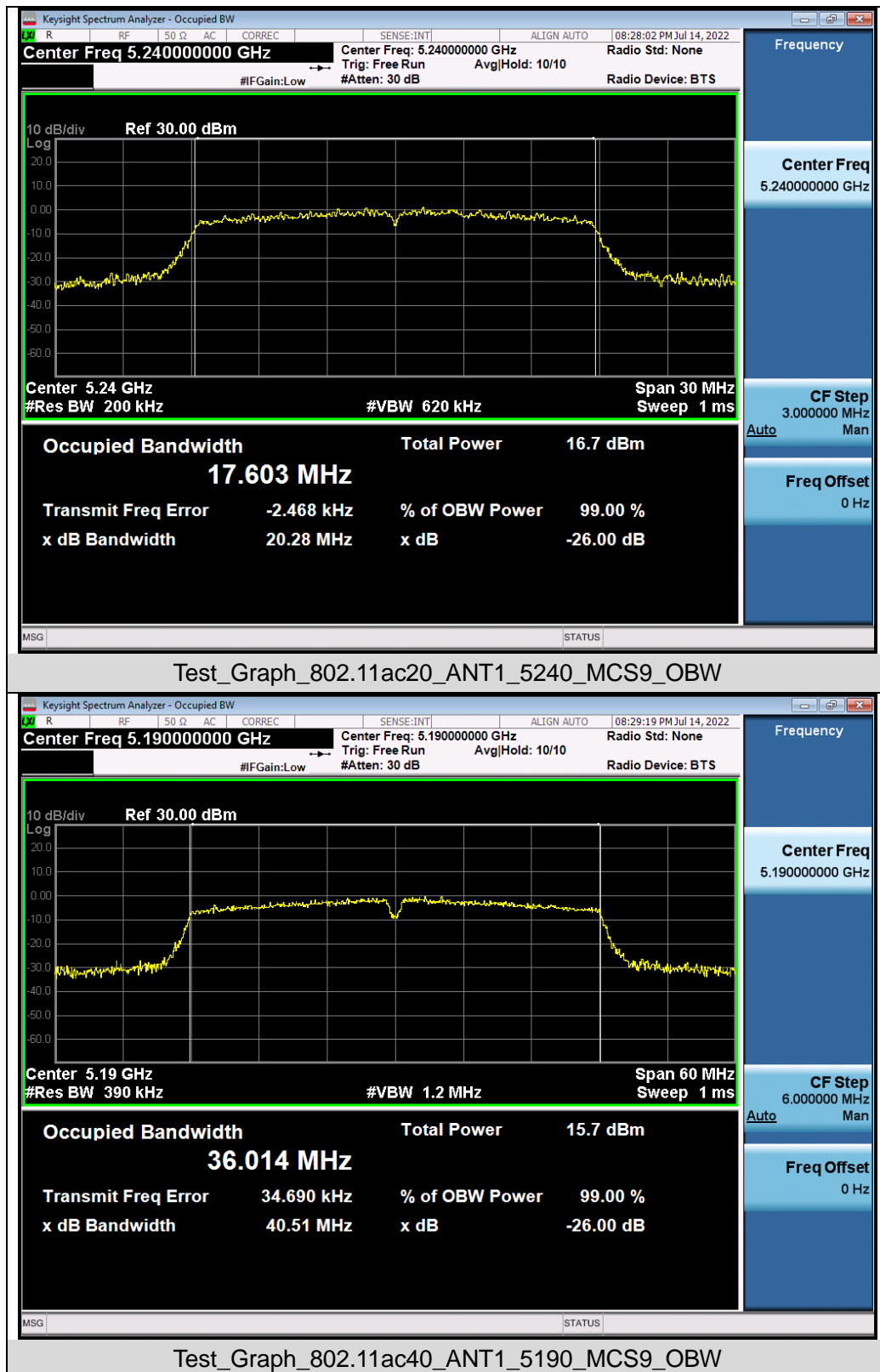
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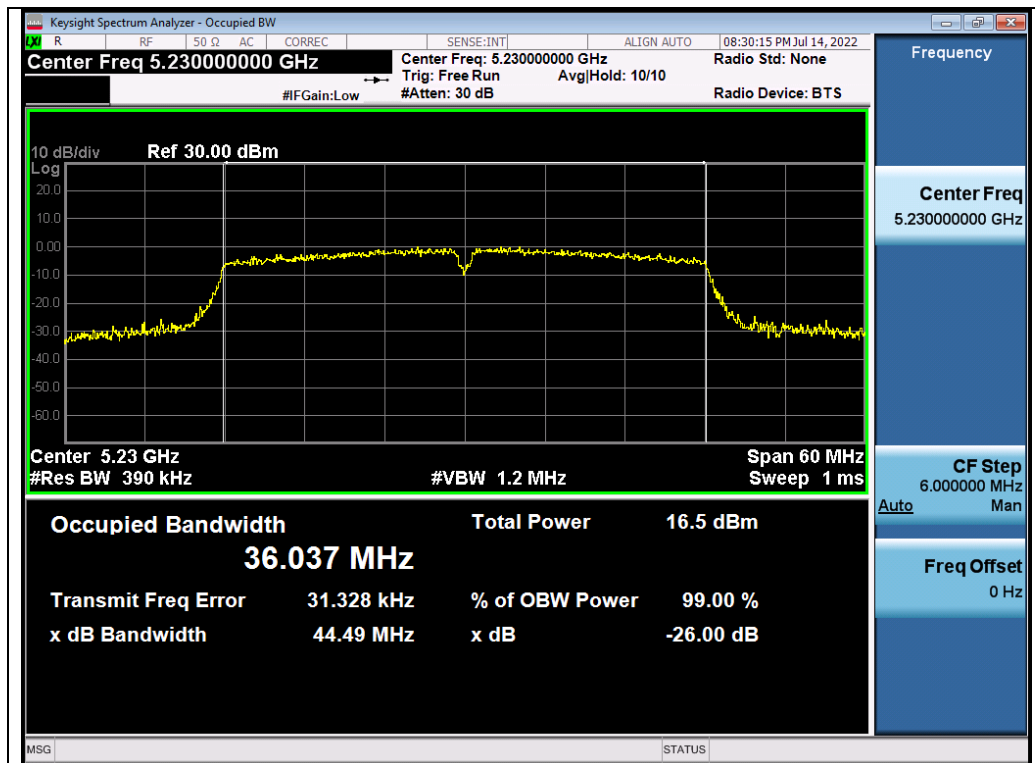
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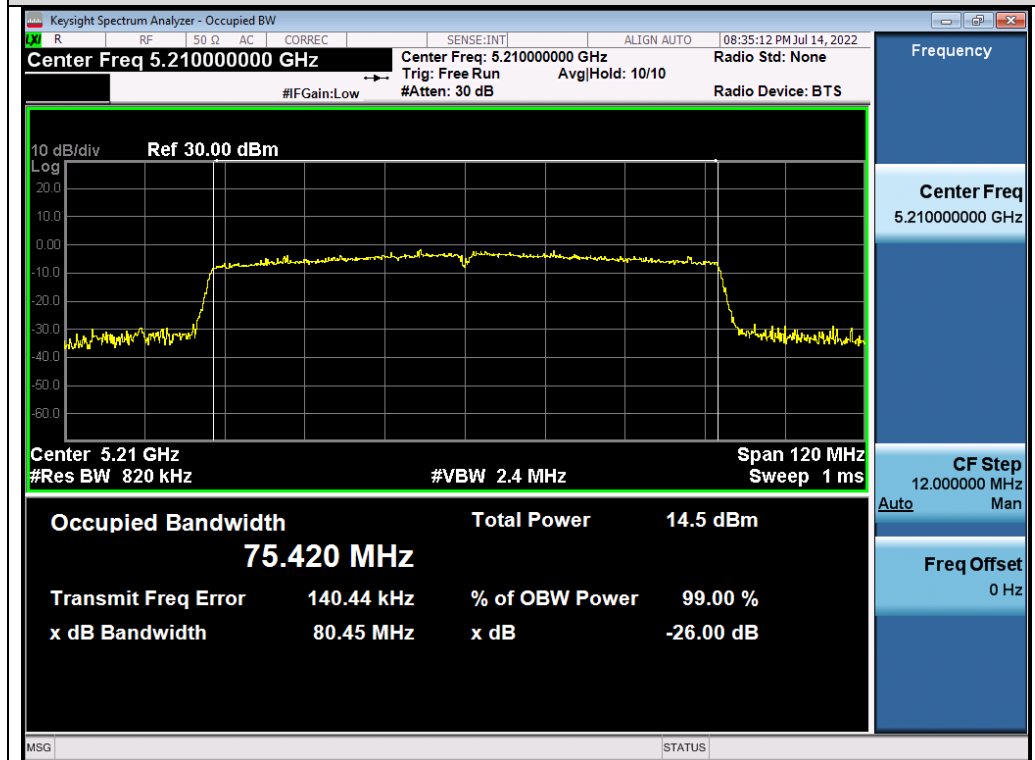
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Test_Graph_802.11ac40_ANT1_5230_MCS9_OBW



Test_Graph_802.11ac80_ANT1_5210_MCS9_OBW

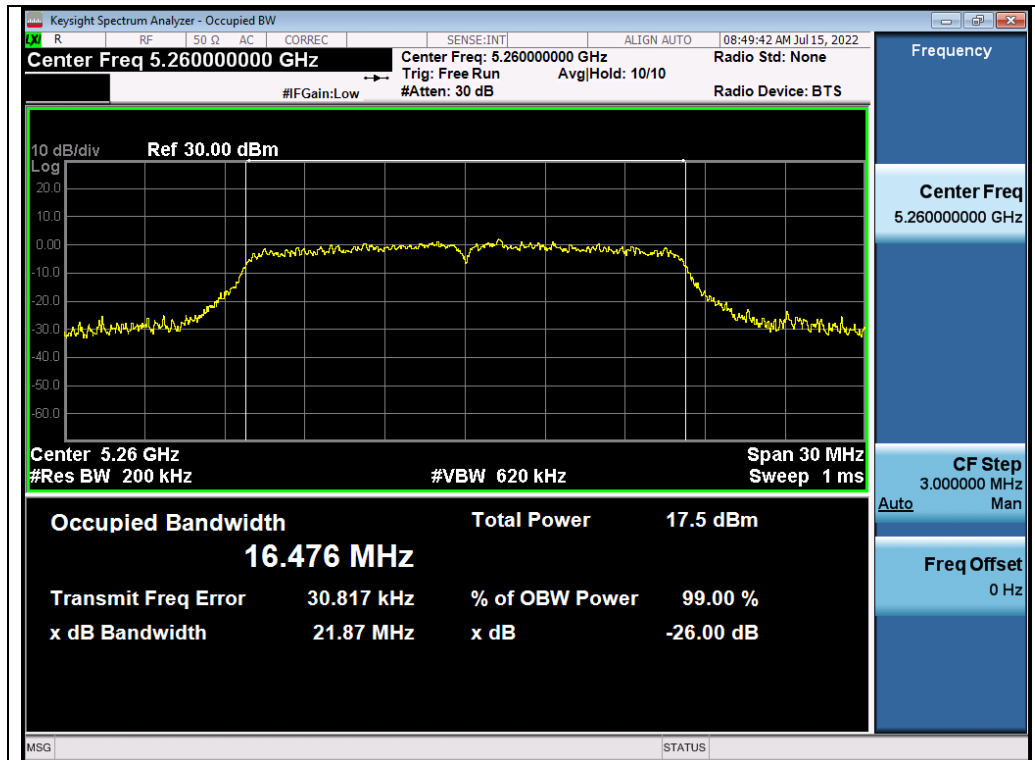
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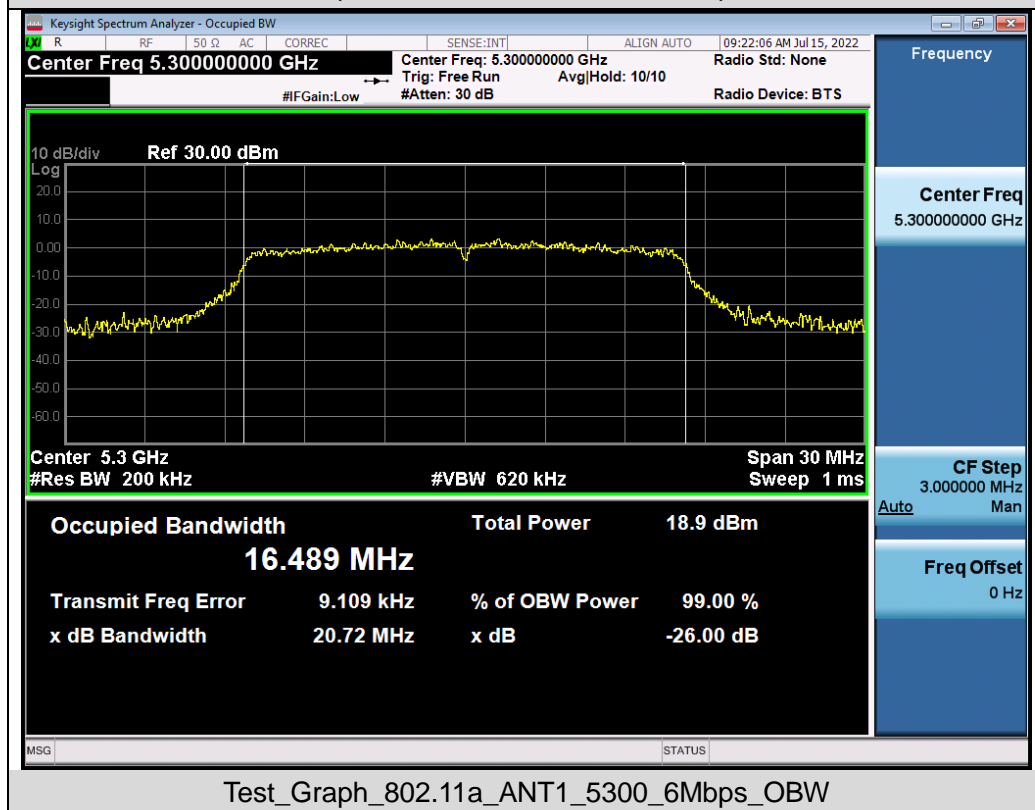
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Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.25-5.35 GHz



Test_Graph_802.11a_ANT1_5260_6Mbps_OBW



Test_Graph_802.11a_ANT1_5300_6Mbps_OBW

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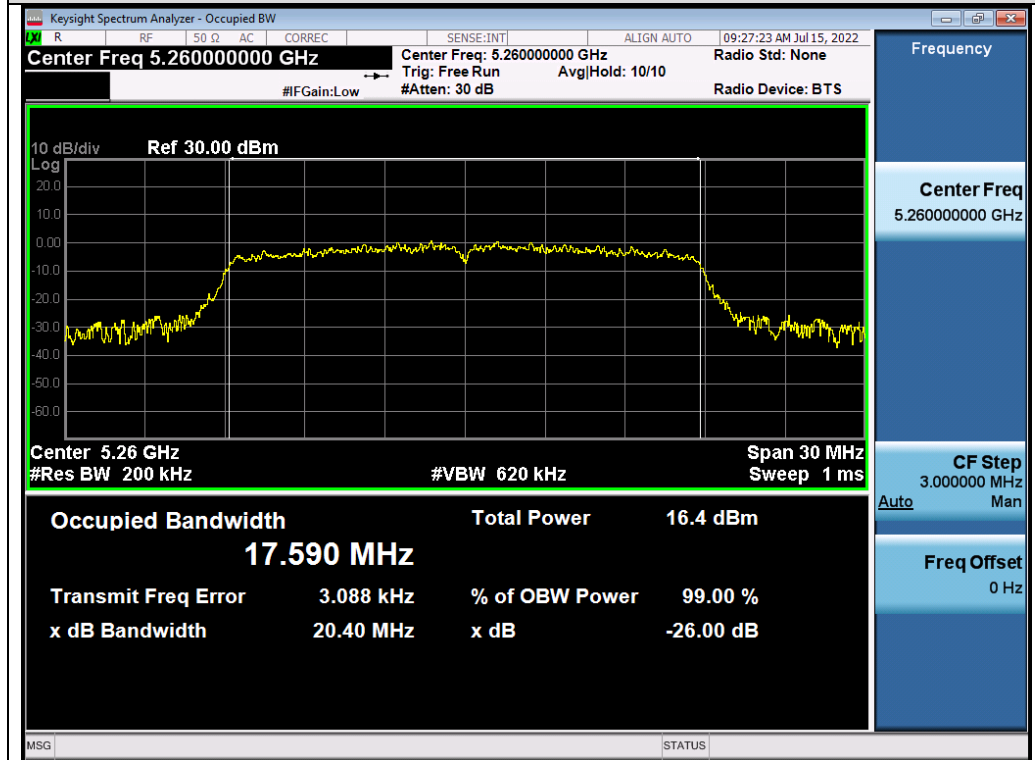
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Test_Graph_802.11a_ANT1_5320_6Mbps_OBW



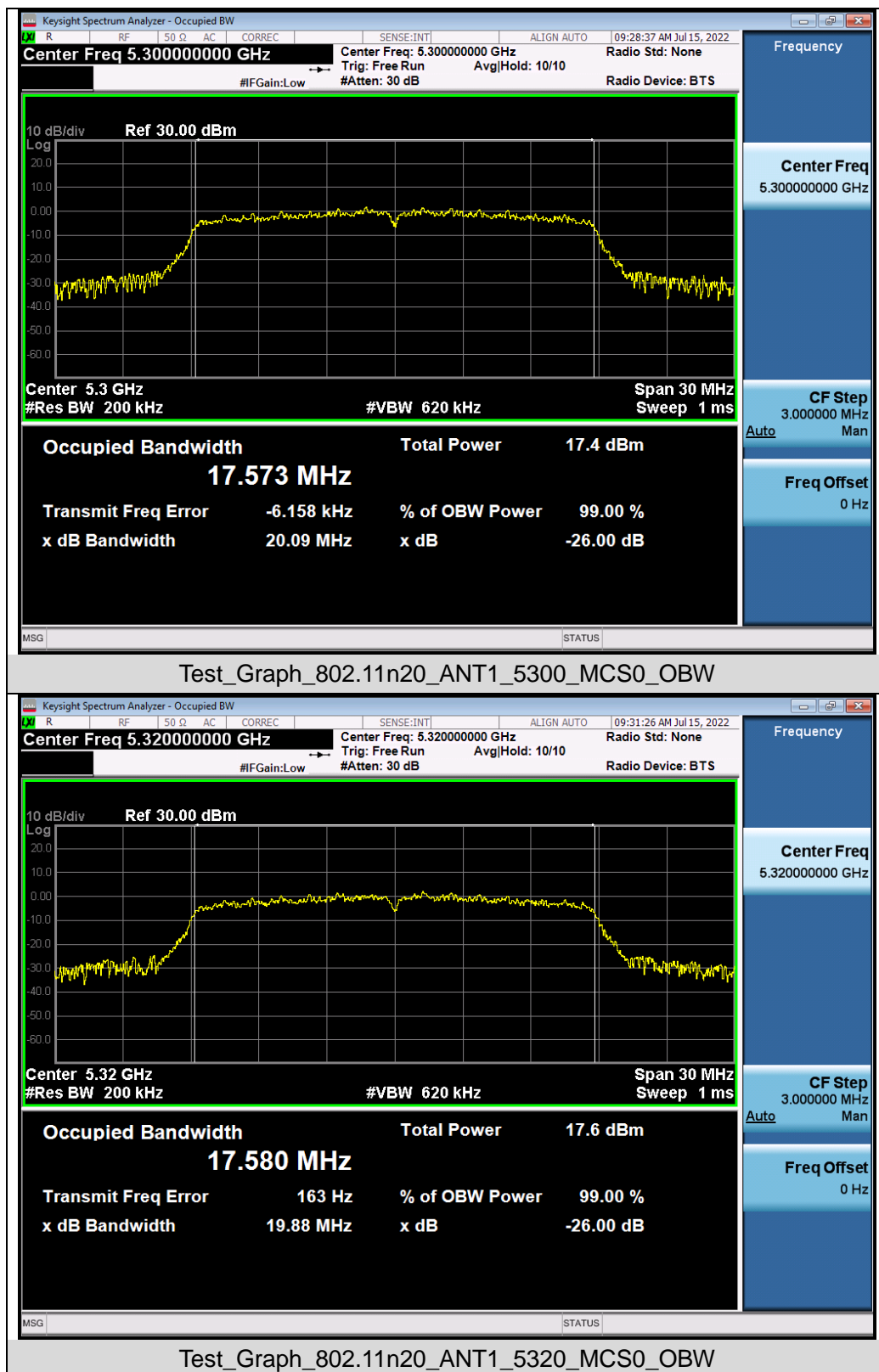
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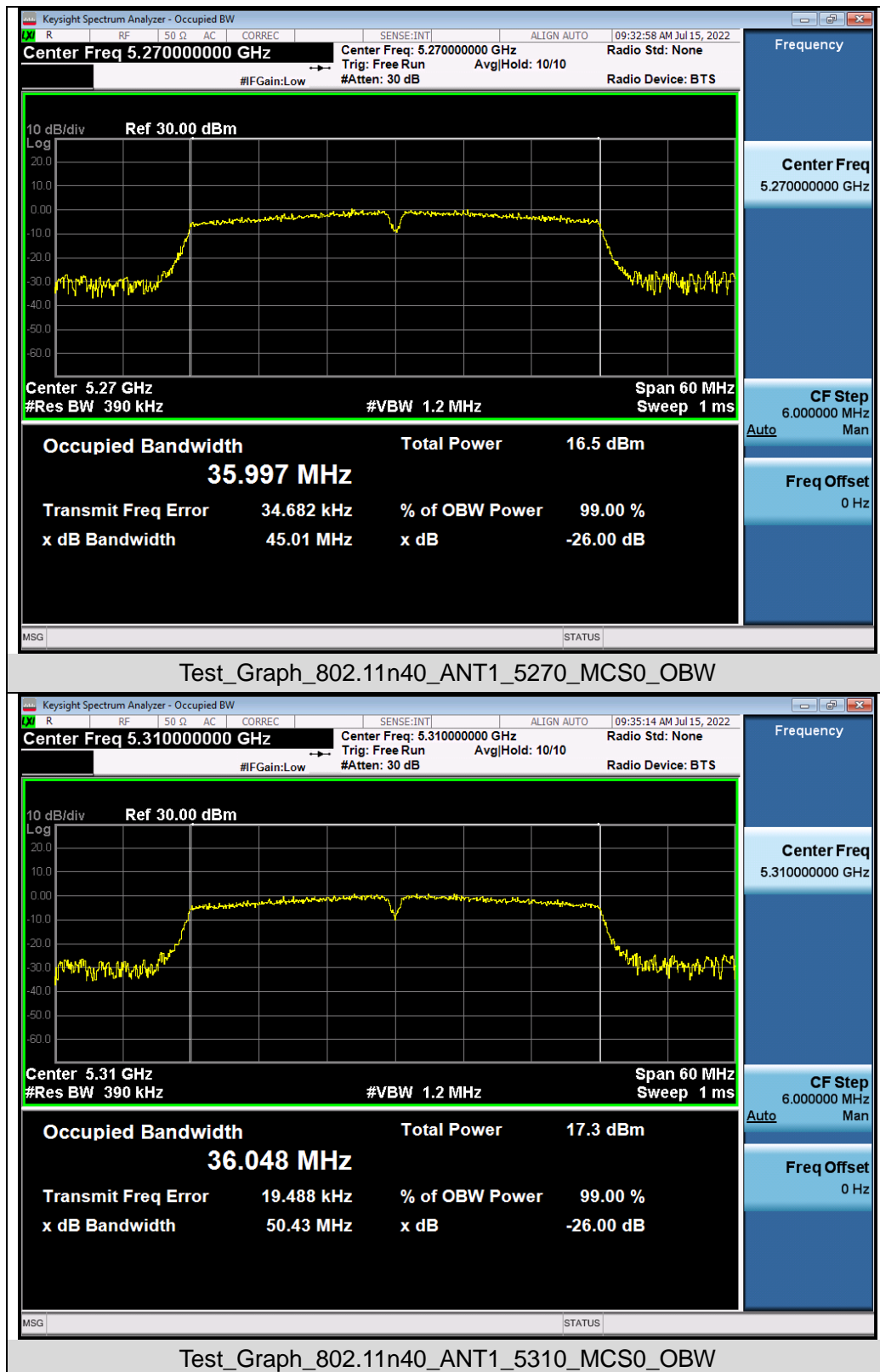
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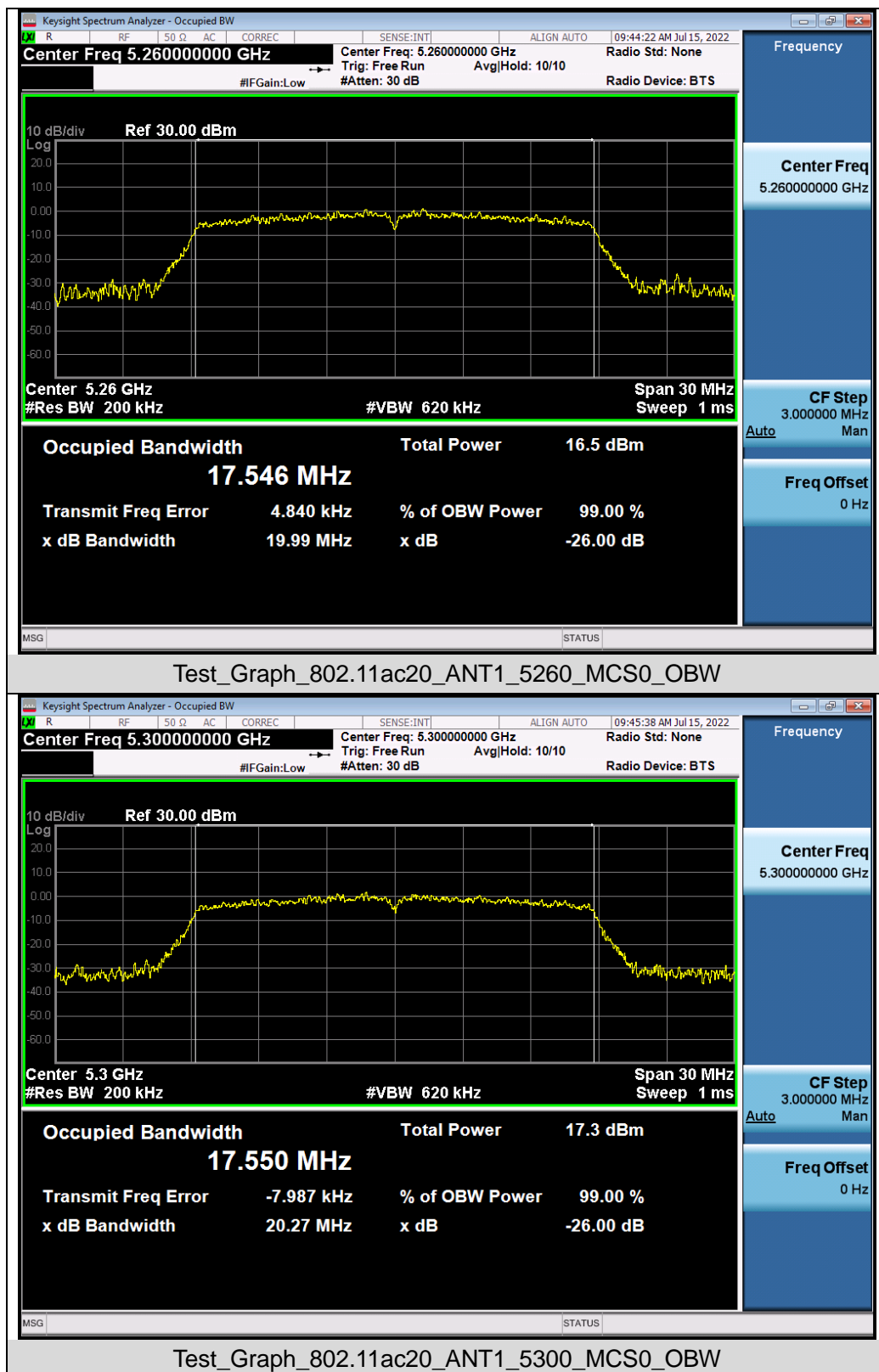
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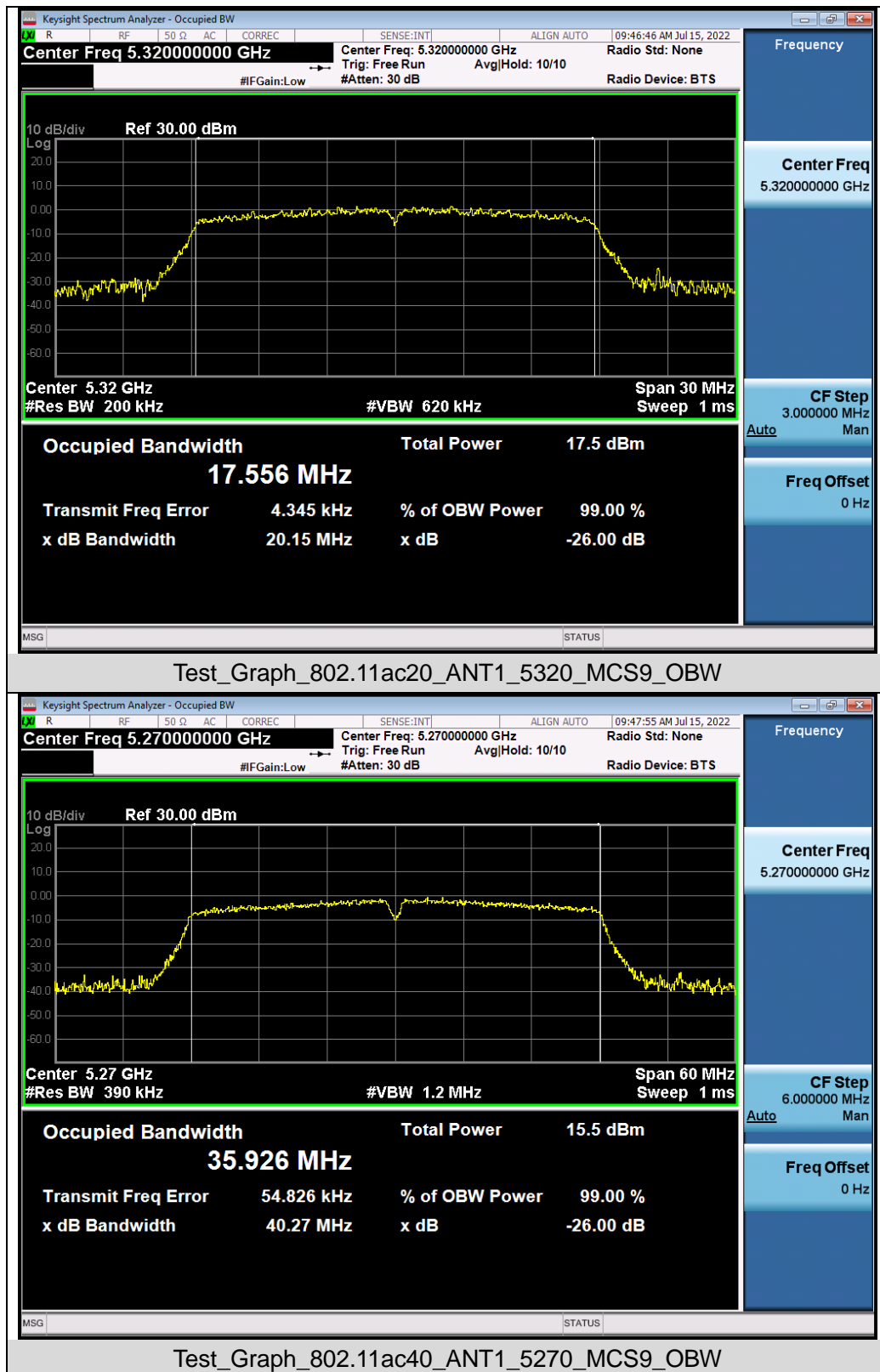
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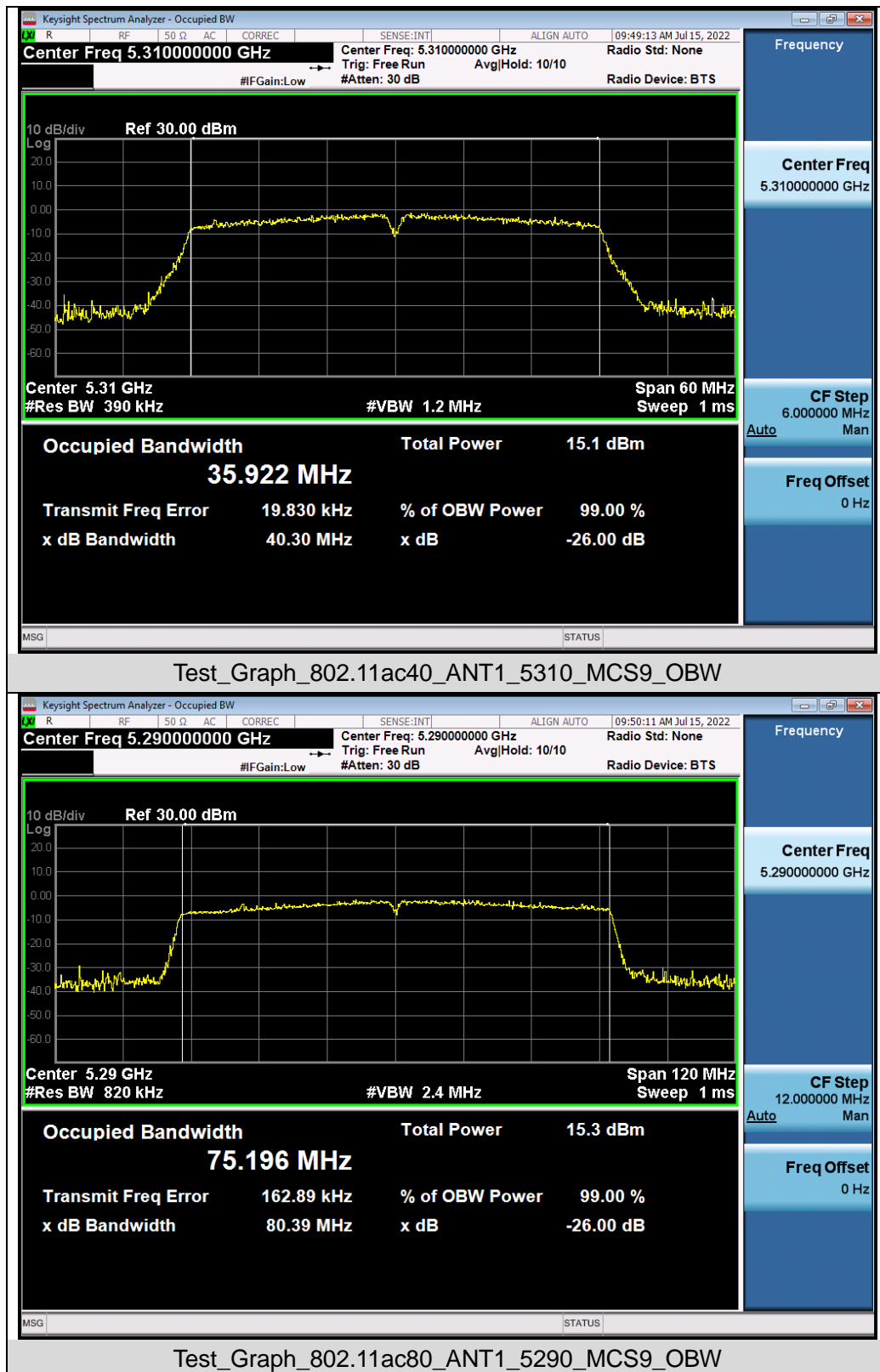
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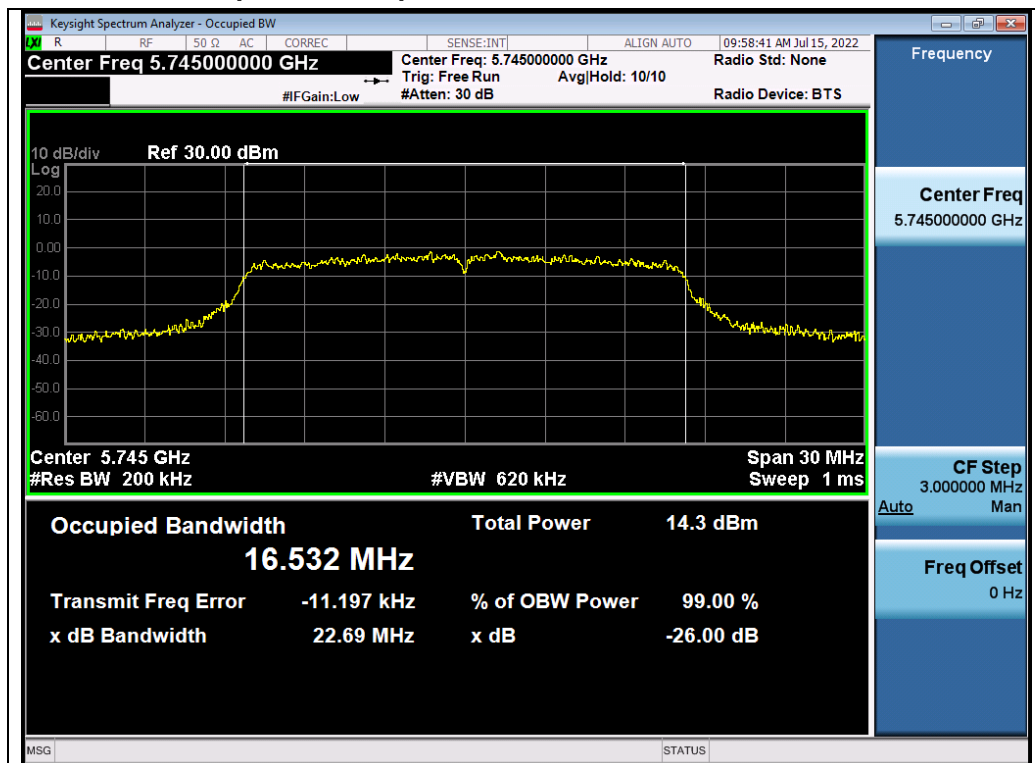


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Test Graphs of Occupied Bandwidth for band 5.725-5.85 GHz



Test_Graph_802.11a_ANT1_5745_6Mbps_OBW



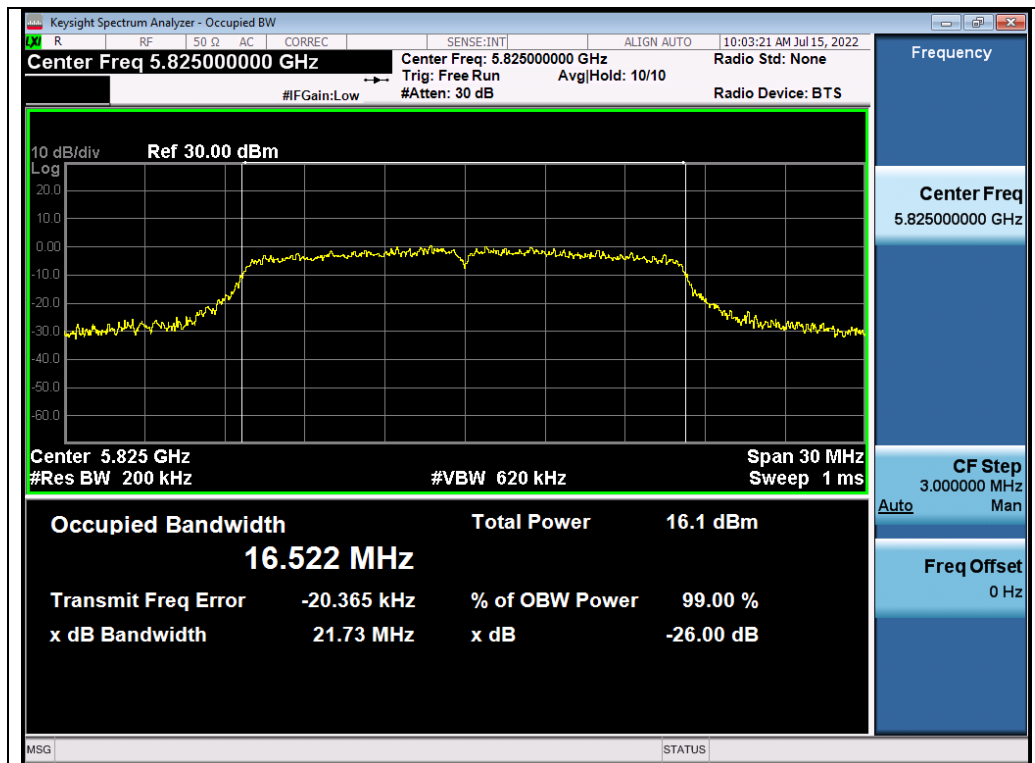
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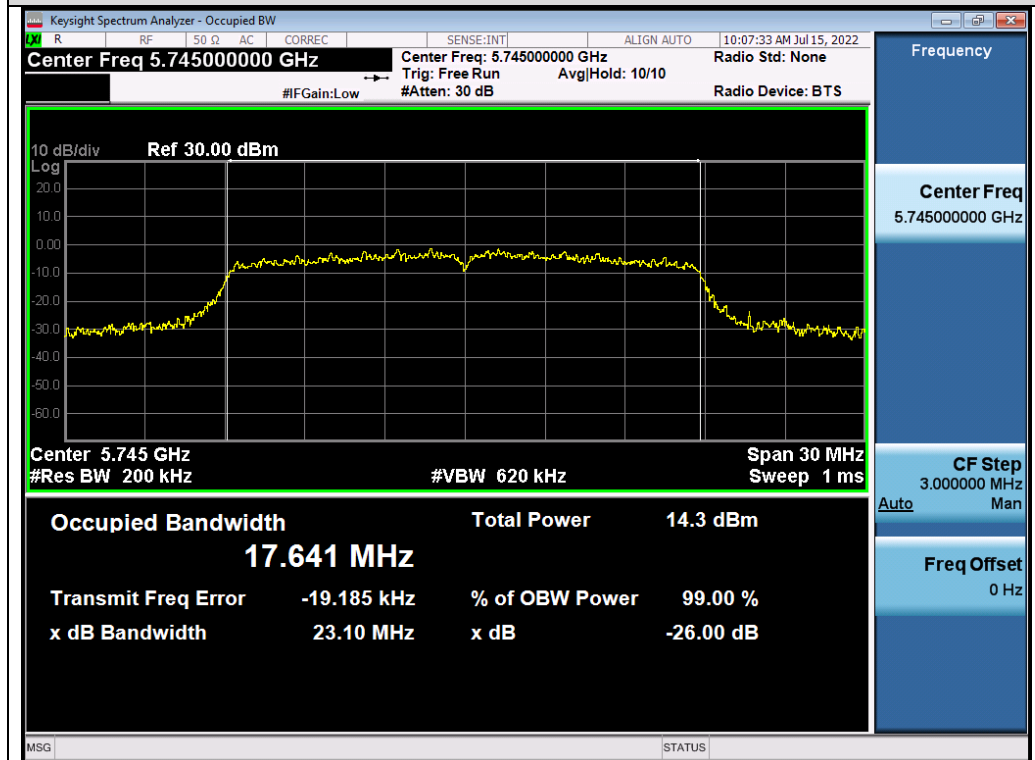
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Test_Graph_802.11a_ANT1_5825_6Mbps_OBW



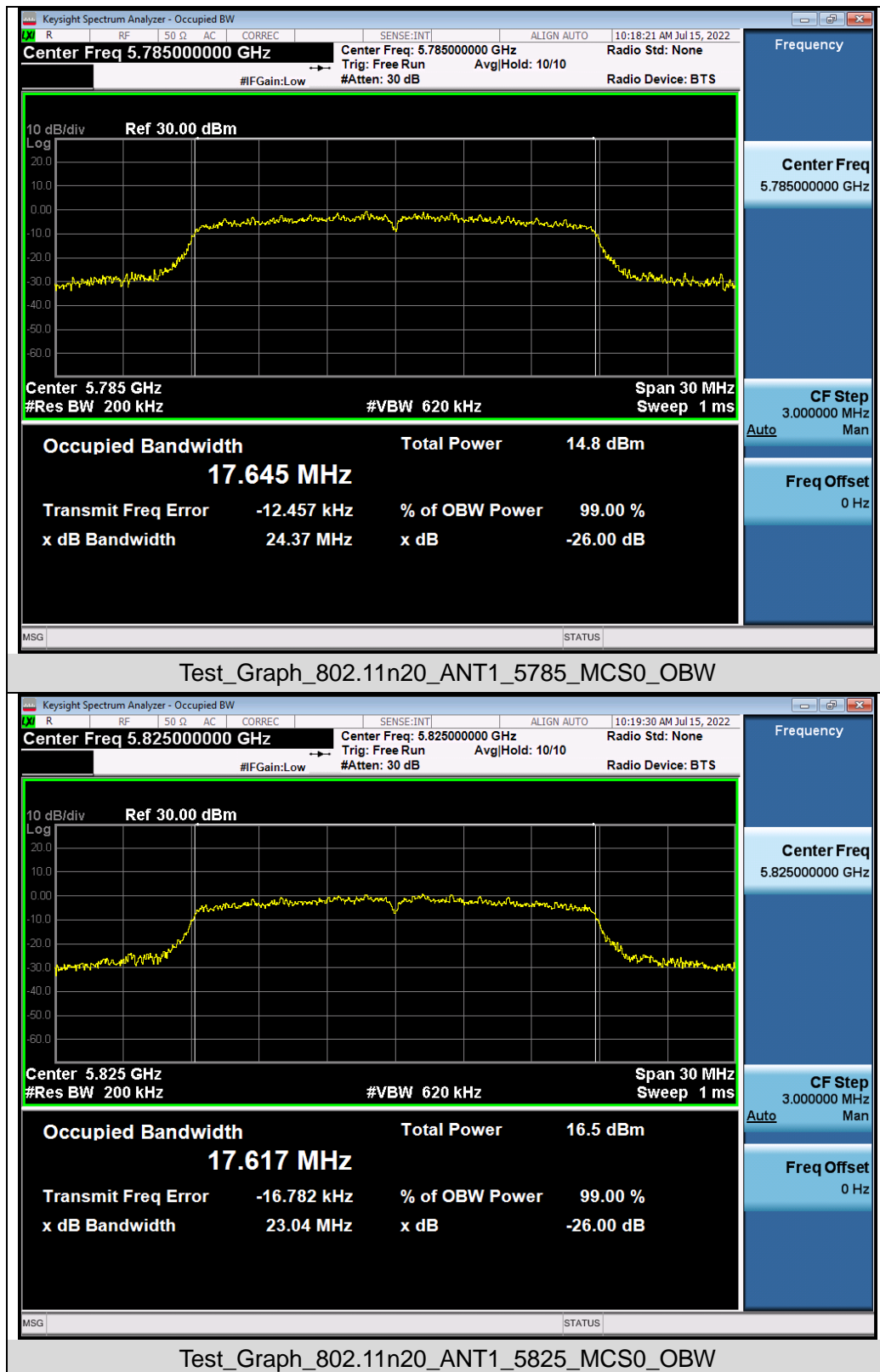
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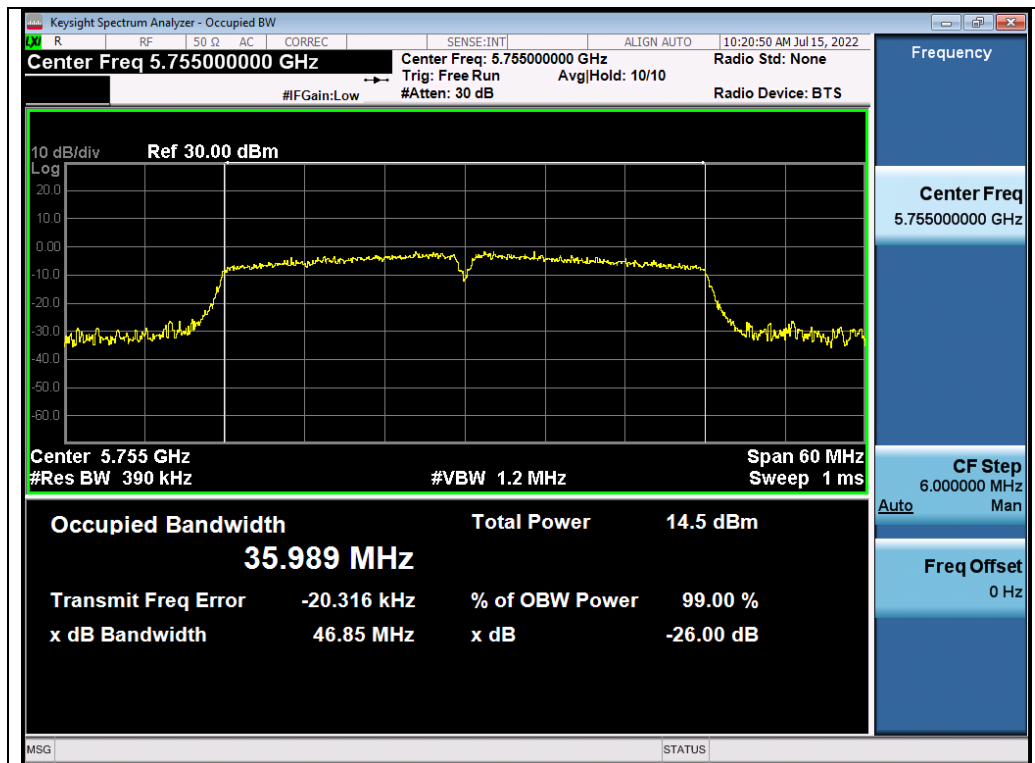
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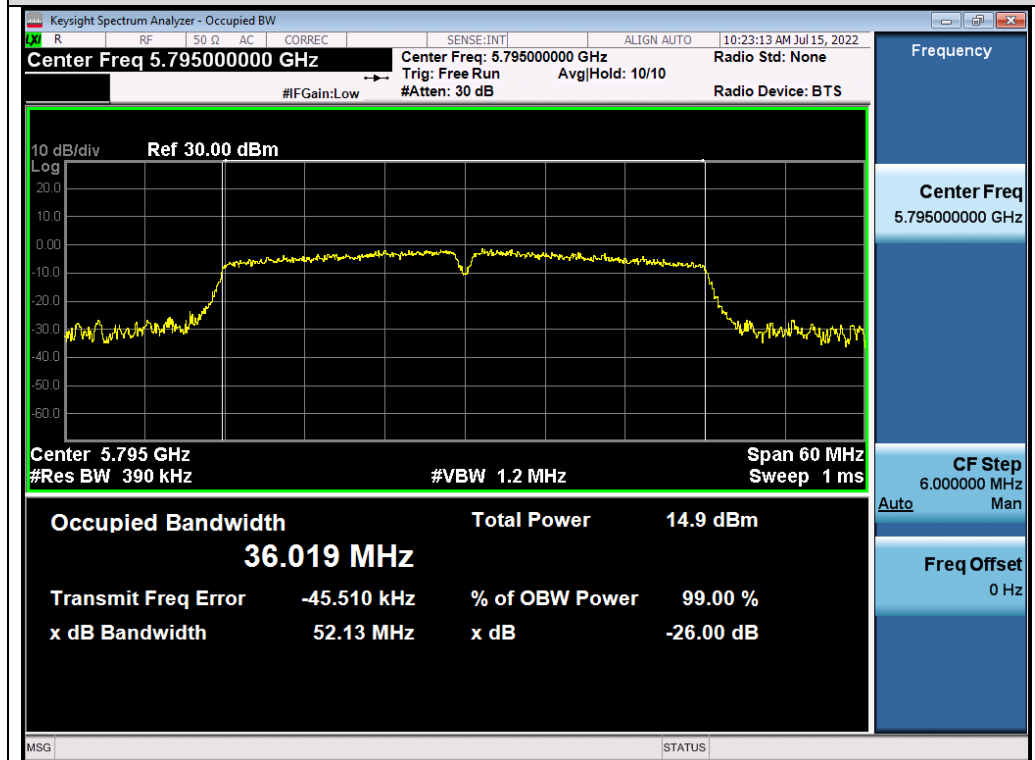
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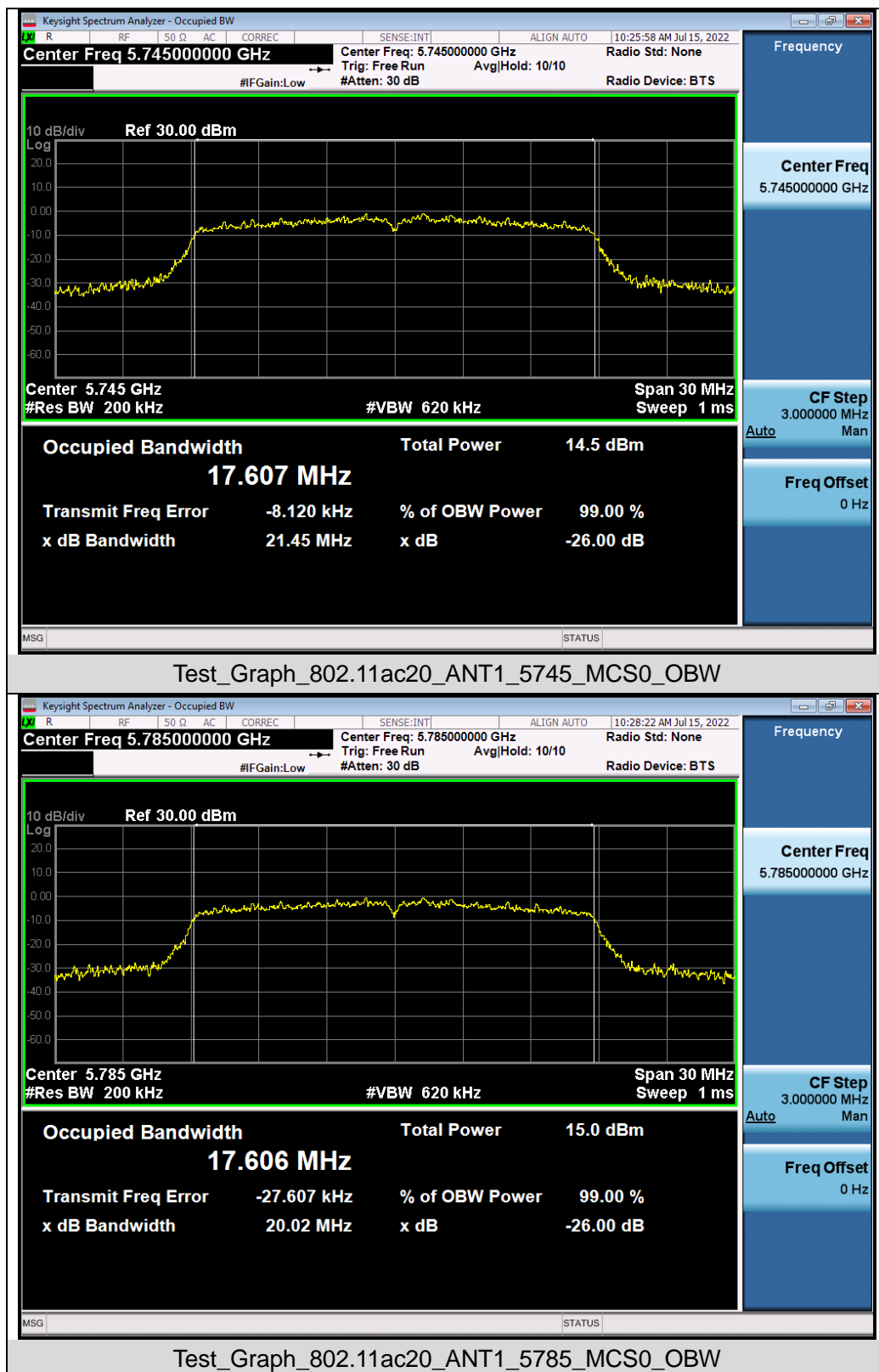
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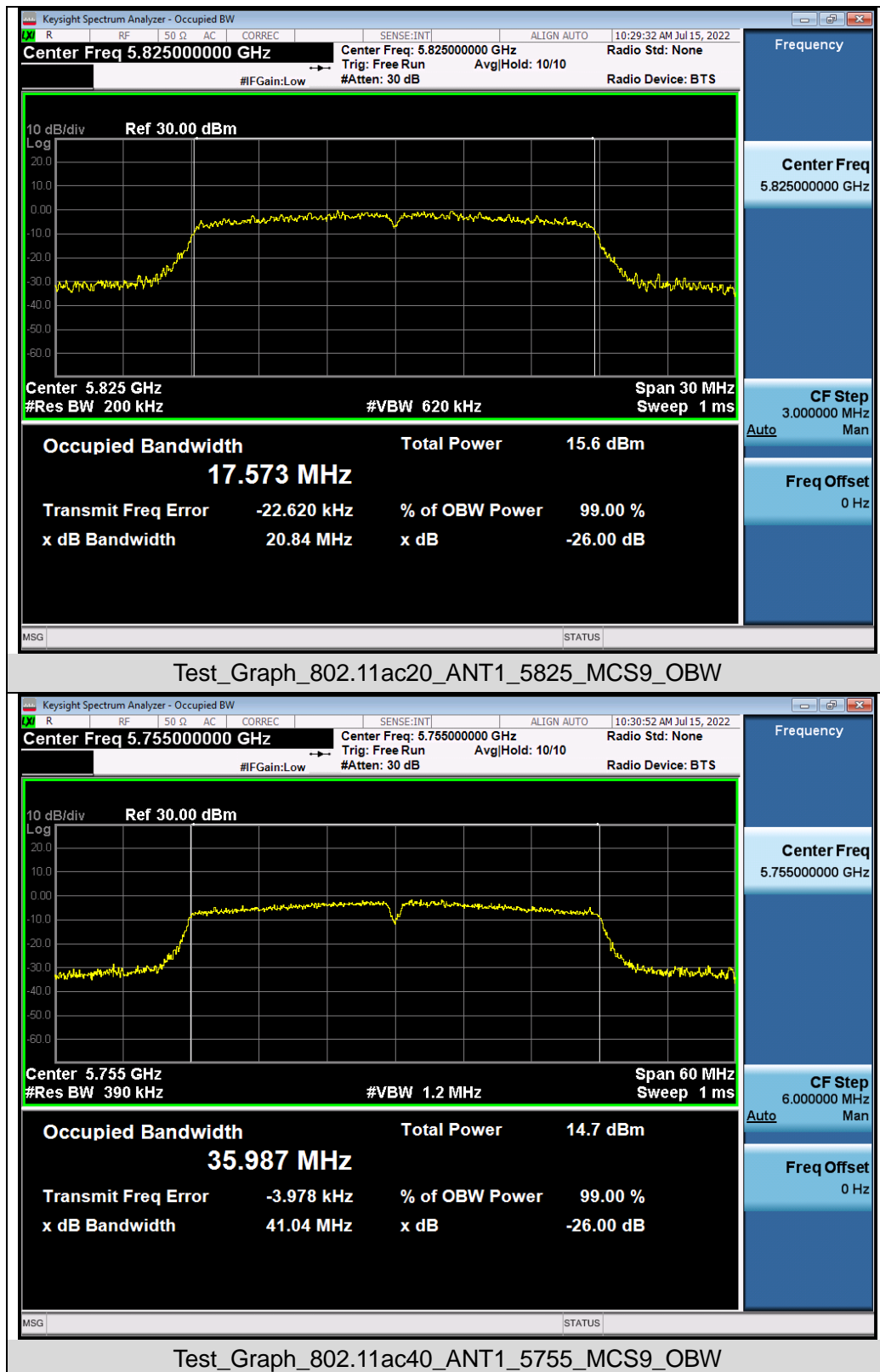
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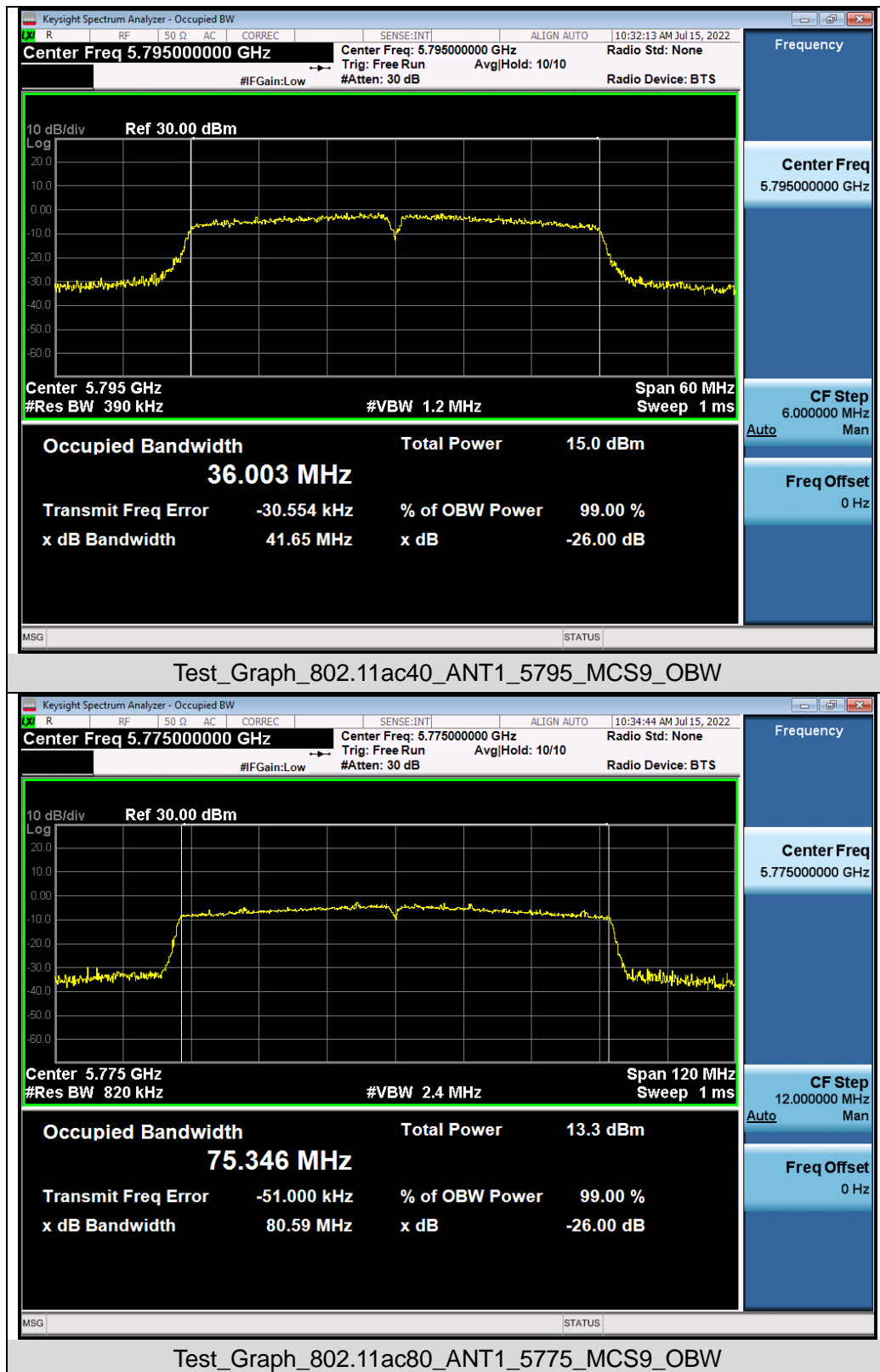
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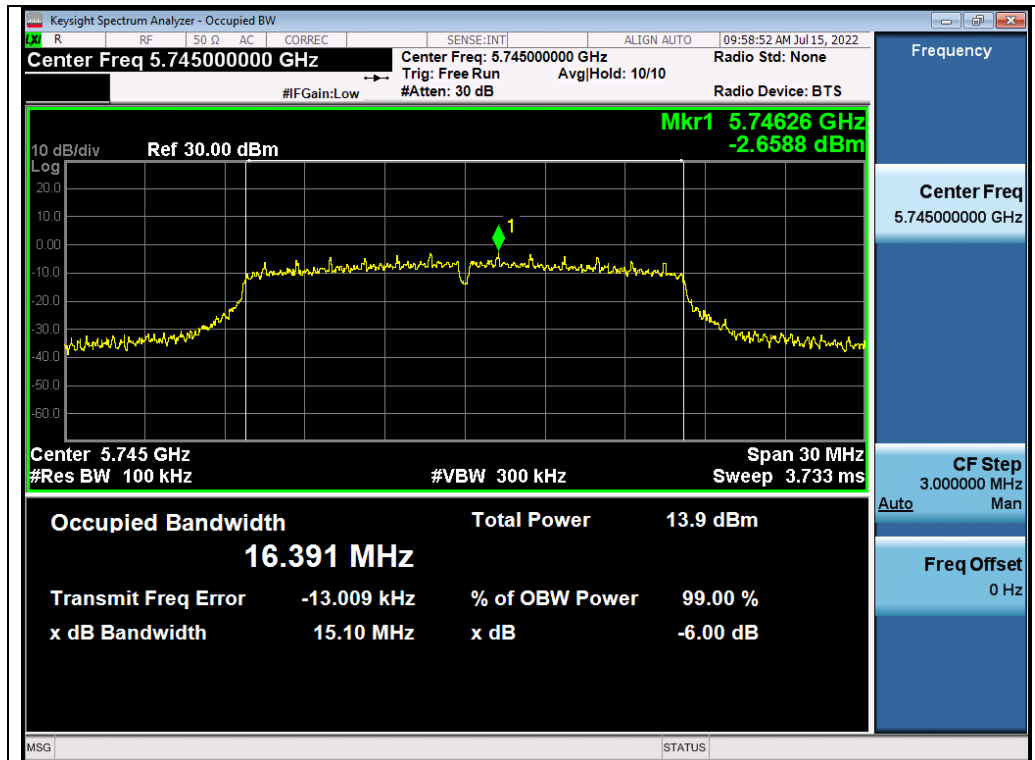


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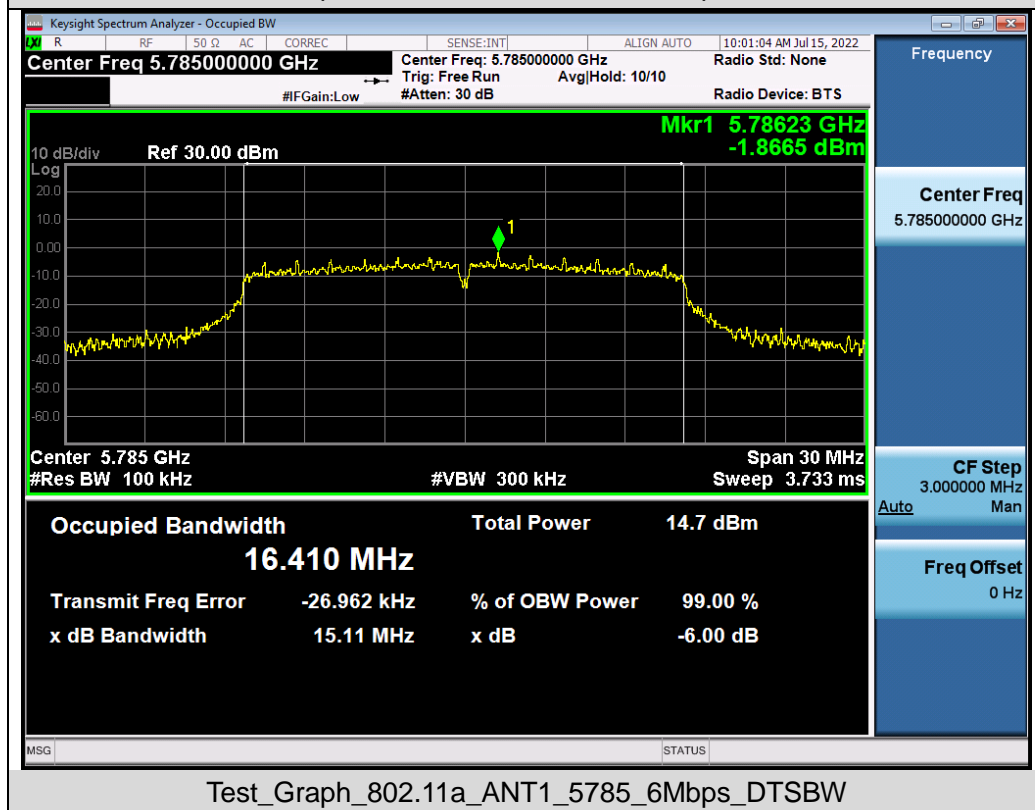


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Test Graphs of DTS Bandwidth for band 5.725-5.85 GHz



Test_Graph_802.11a_ANT1_5745_6Mbps_DTBSW



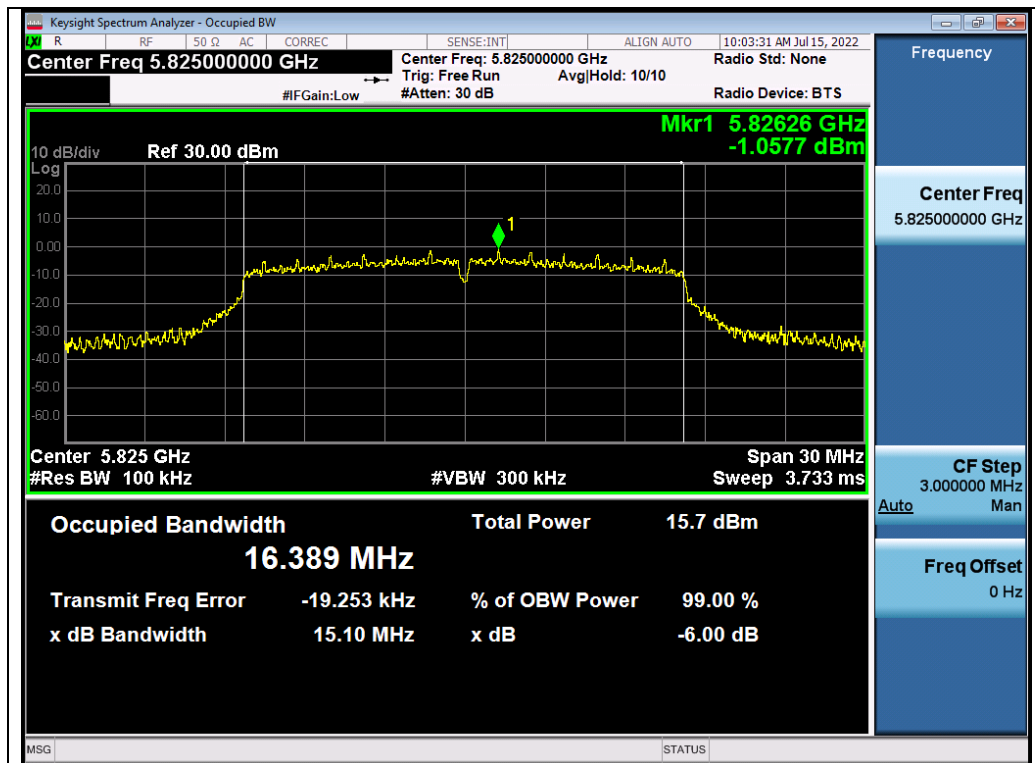
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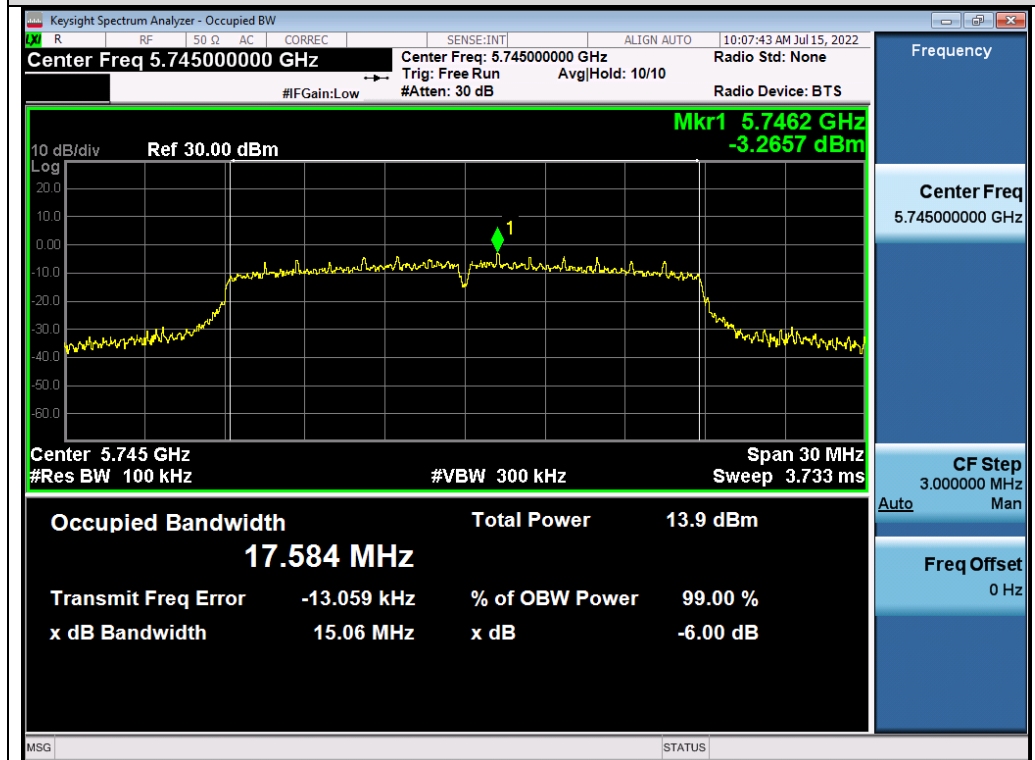
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Test_Graph_802.11a_ANT1_5825_6Mbps_DTSBW



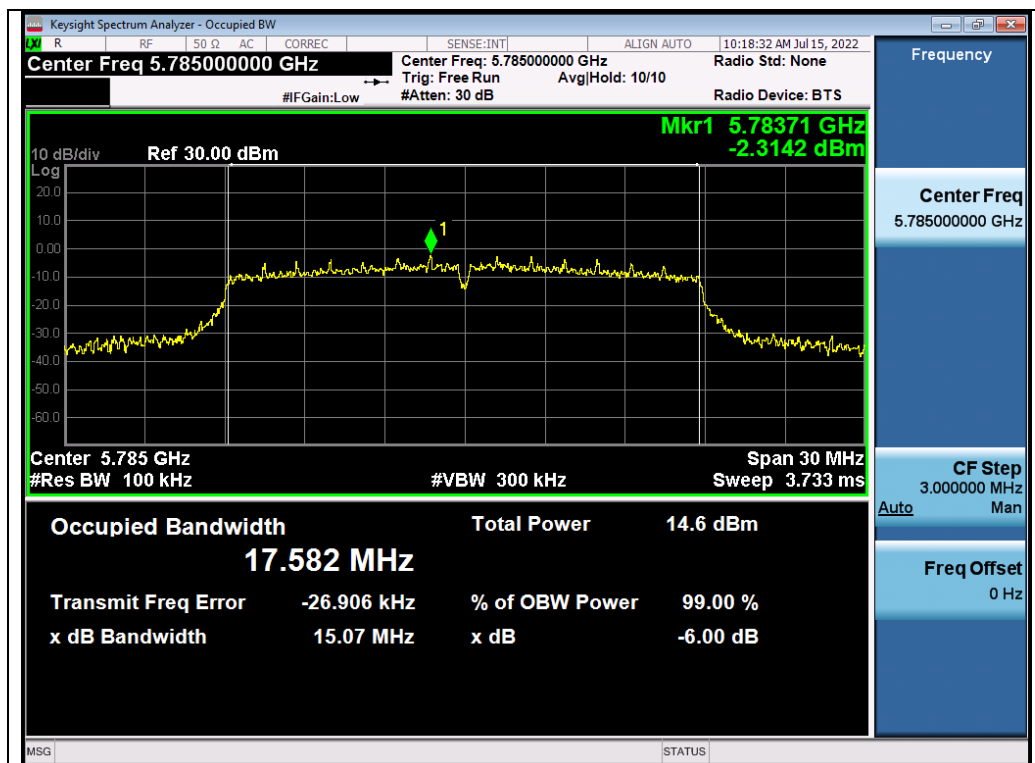
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Test_Graph_802.11n20_ANT1_5785_MCS0_DTSBW



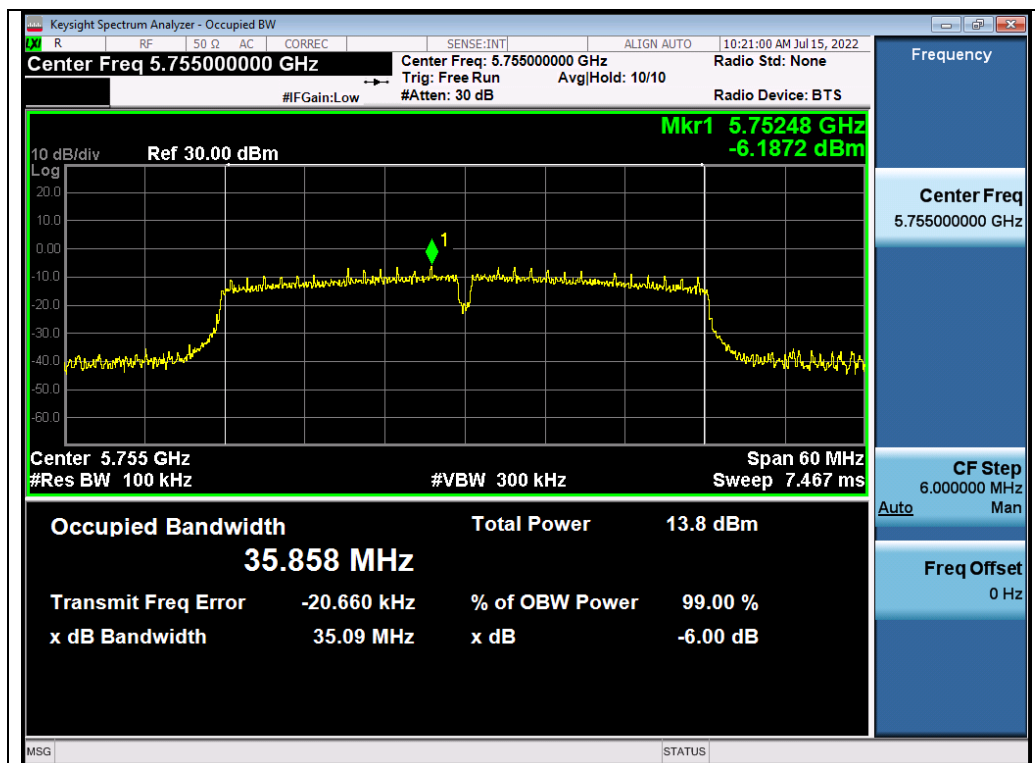
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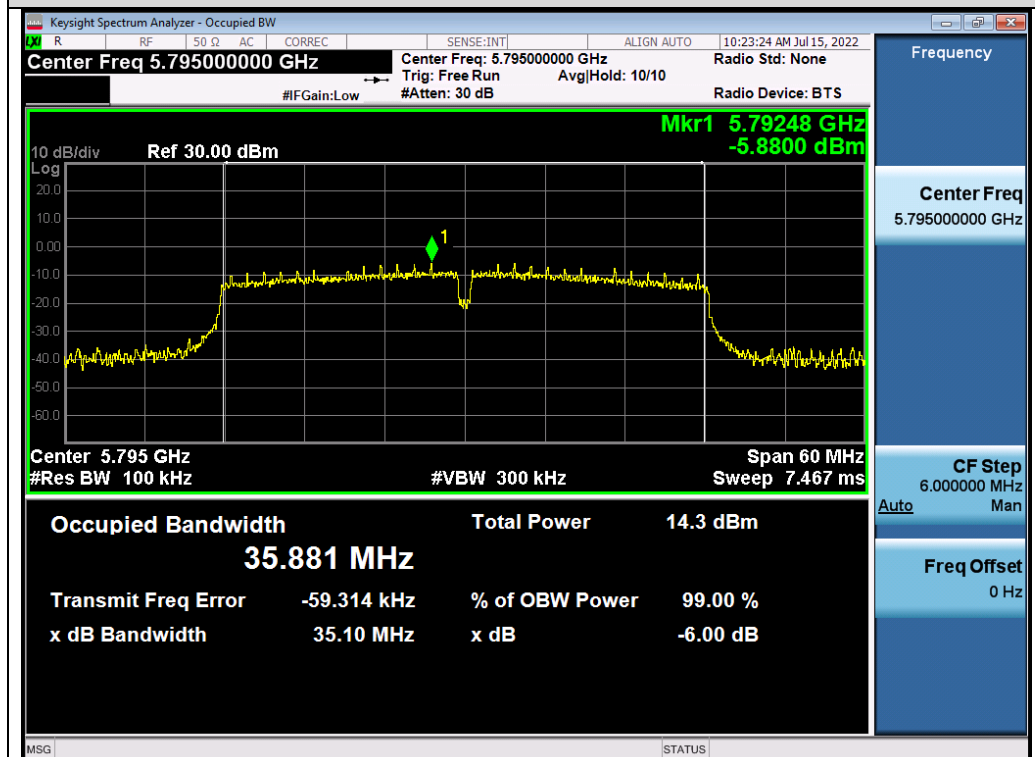
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Test_Graph_802.11n40_ANT1_5755_MCS0_DTSBW



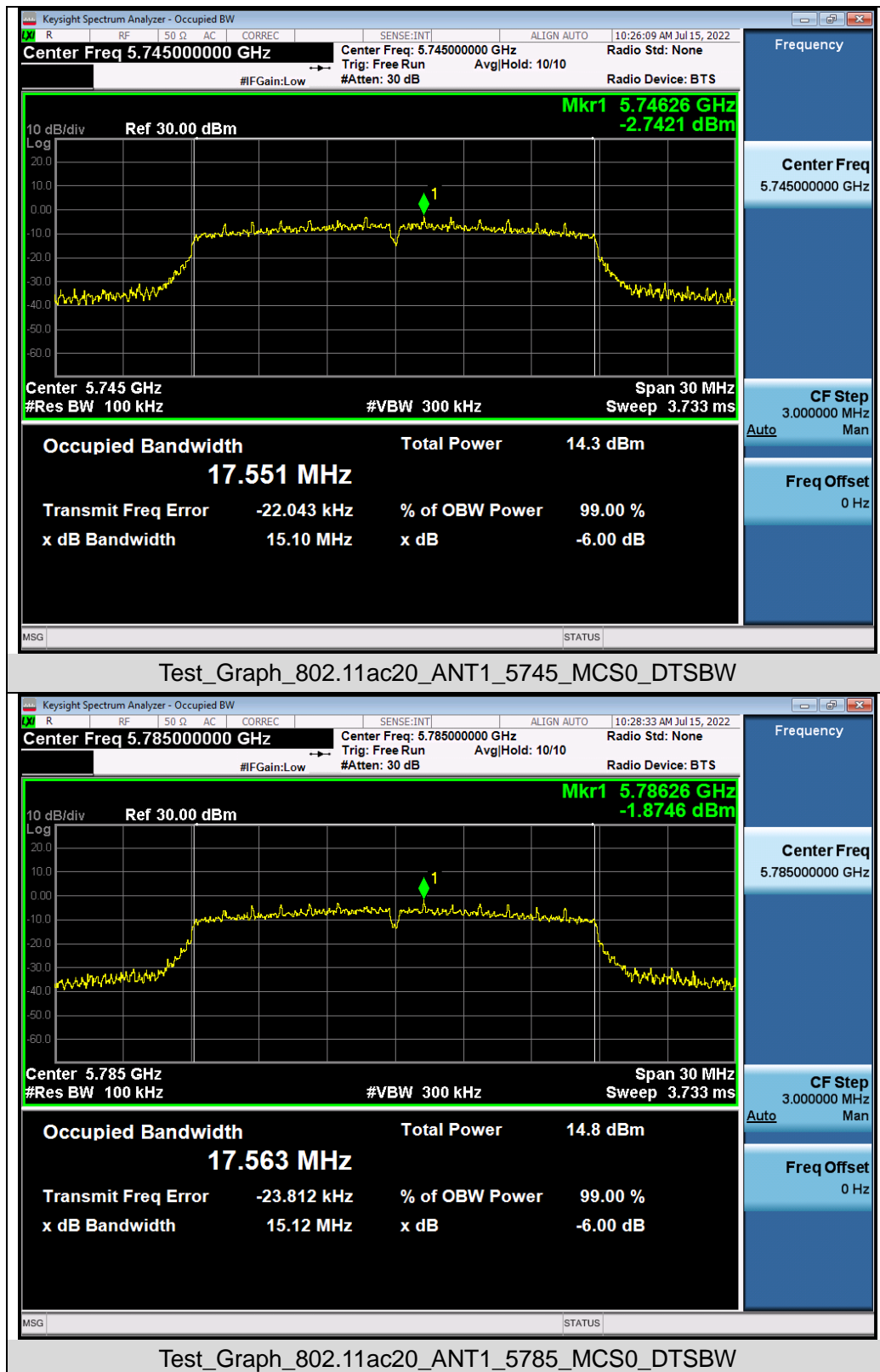
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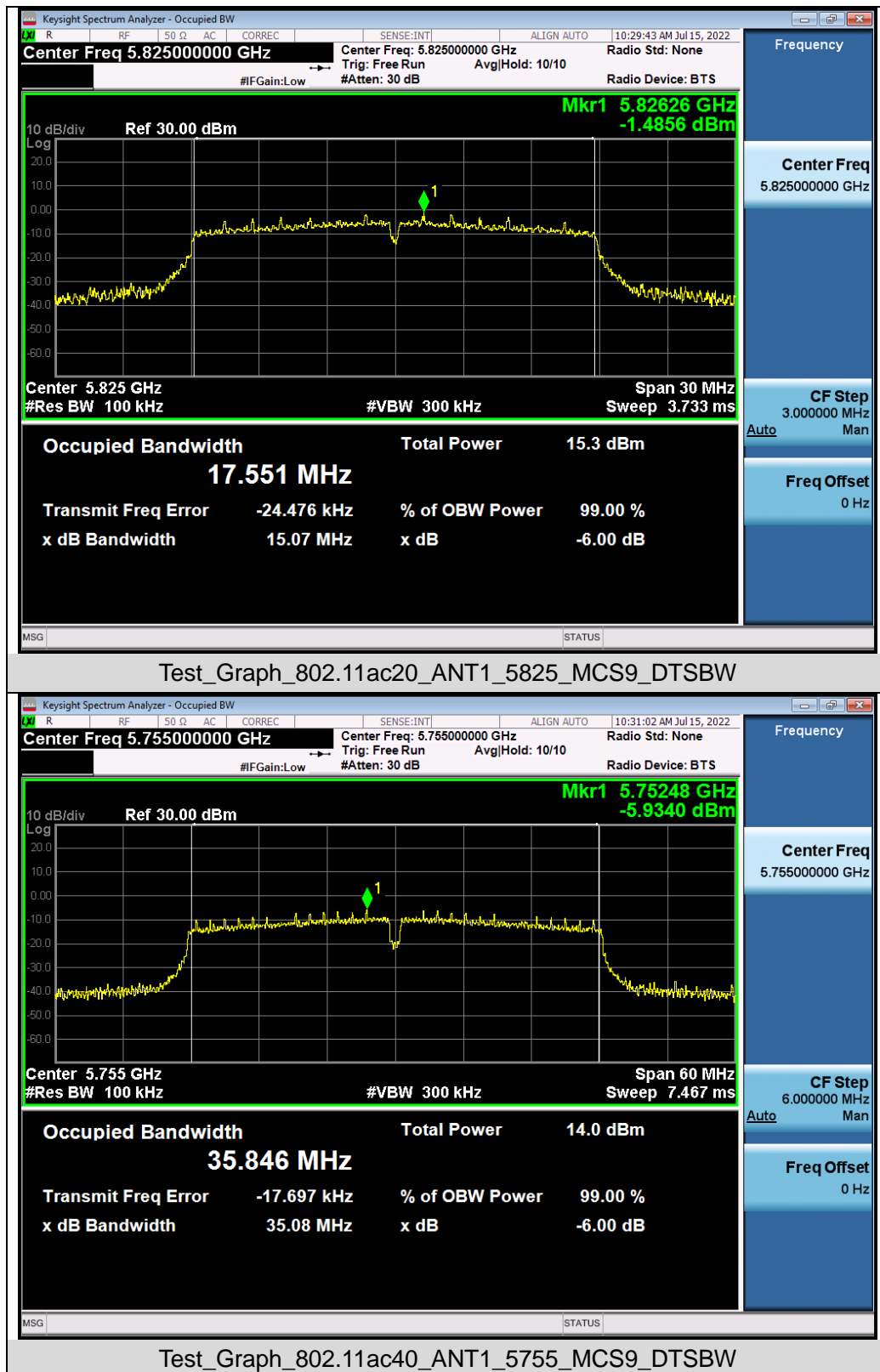
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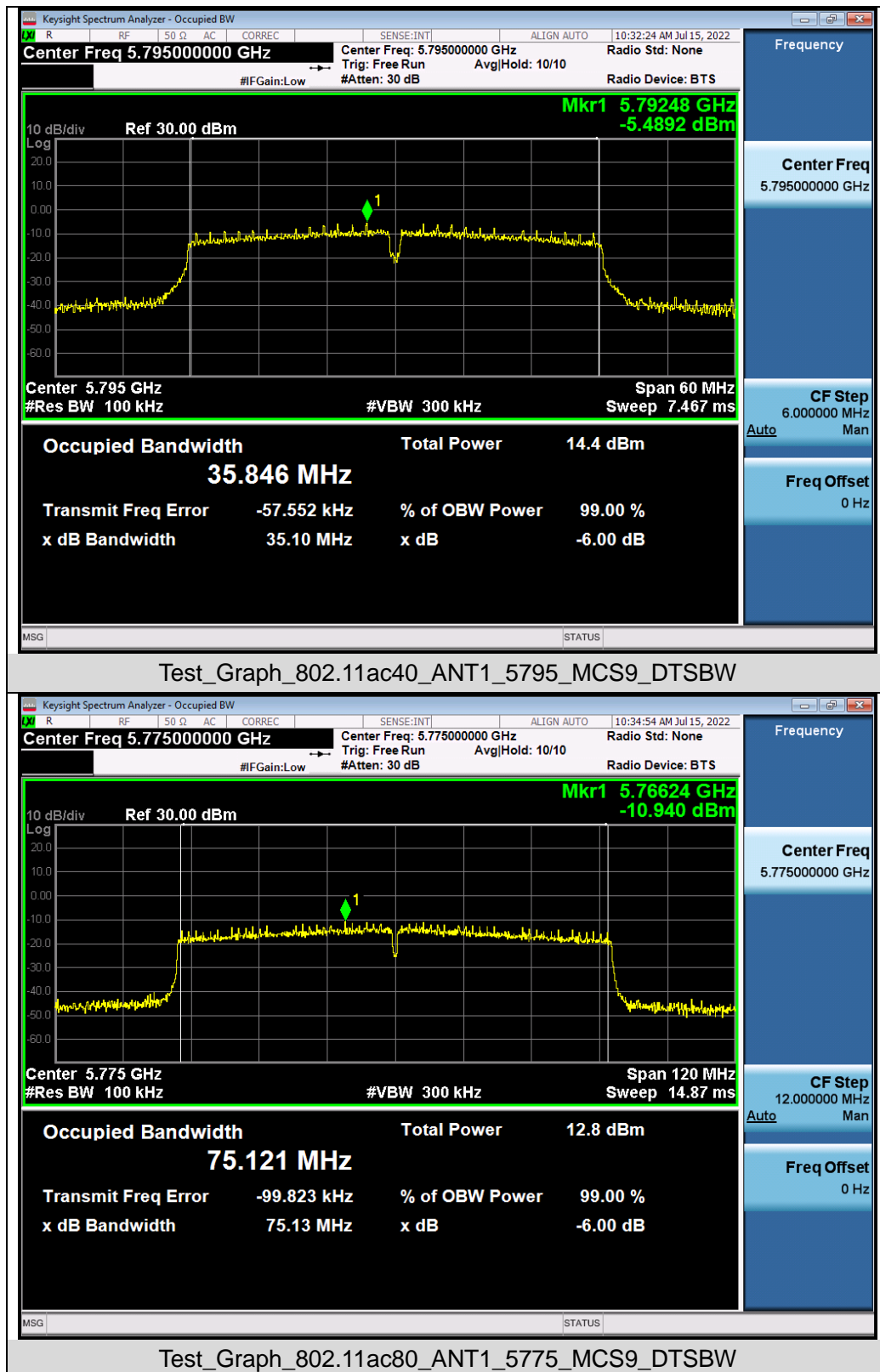
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9. MAXIMUM CONDUCTED OUTPUT AVERAGE POWER SPECTRAL DENSITY

9.1. MEASUREMENT PROCEDURE

Refer to KDB 789033 section F

9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

Refer to Section 8.2.

9.3. MEASUREMENT EQUIPMENT USED

Refer to Section 6.

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9.4. LIMITS AND MEASUREMENT RESULT

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5180	0.877	11	Pass
	5200	1.397	11	Pass
	5240	1.894	11	Pass
802.11n20	5180	-0.059	11	Pass
	5200	-0.179	11	Pass
	5240	0.596	11	Pass
802.11n40	5190	-3.280	11	Pass
	5230	-2.401	11	Pass
802.11ac20	5180	-0.704	11	Pass
	5200	-0.406	11	Pass
	5240	0.737	11	Pass
802.11ac40	5190	-3.012	11	Pass
	5230	-2.475	11	Pass
802.11ac80	5210	-6.536	11	Pass

Test Data of Conducted Output Power Density for band 5.25-5.35 GHz				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5260	1.982	11	Pass
	5300	2.860	11	Pass
	5320	2.362	11	Pass
802.11n20	5260	0.015	11	Pass
	5300	0.755	11	Pass
	5320	1.188	11	Pass
802.11n40	5270	-2.209	11	Pass
	5310	-1.369	11	Pass
802.11ac20	5260	0.315	11	Pass
	5300	1.066	11	Pass
	5320	1.083	11	Pass
802.11ac40	5270	-3.319	11	Pass
	5310	-3.768	11	Pass
802.11ac80	5290	-5.545	11	Pass

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Test Data of Conducted Output Power Density for band 5.725-5.85 GHz					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
802.11a	5745	-10.725	-3.735	30	Pass
	5785	-9.614	-2.624	30	Pass
	5825	-9.011	-2.021	30	Pass
802.11n20	5745	-10.809	-3.819	30	Pass
	5785	-10.285	-3.295	30	Pass
	5825	-8.694	-1.704	30	Pass
802.11n40	5755	-13.435	-6.445	30	Pass
	5795	-13.264	-6.274	30	Pass
802.11ac20	5745	-10.814	-3.824	30	Pass
	5785	-10.199	-3.209	30	Pass
	5825	-9.625	-2.635	30	Pass
802.11ac40	5755	-13.36	-6.37	30	Pass
	5795	-13.068	-6.078	30	Pass
802.11ac80	5775	-16.208	-9.218	30	Pass

Note:1. Power density(dBm/500kHz) = Power density(dBm/100kHz) +10*log(500/100).

2.The Total PSD (dBm/500kHz) = $10^{\frac{(Ant\ 1\ PSD/10)}{10}} + 10^{\frac{(Ant\ 2\ PSD/10)}{10}} + 10^{\frac{(Ant\ 3\ PSD/10)}{10}} + 10^{\frac{(Ant\ 4\ PSD/10)}{10}}$ (dBm/500kHz)

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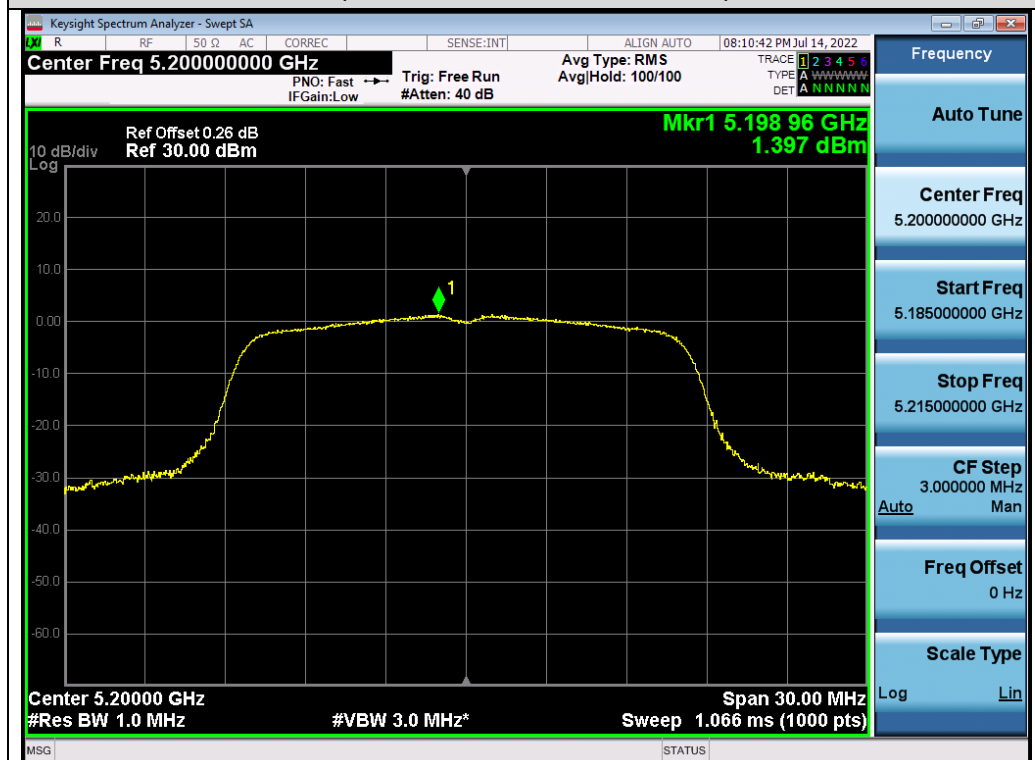
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Test Graphs of Conducted Output Power Spectral Density for band 5.15-5.25 GHz



Test_Graph_802.11a_ANT1_5180_6Mbps_PSD

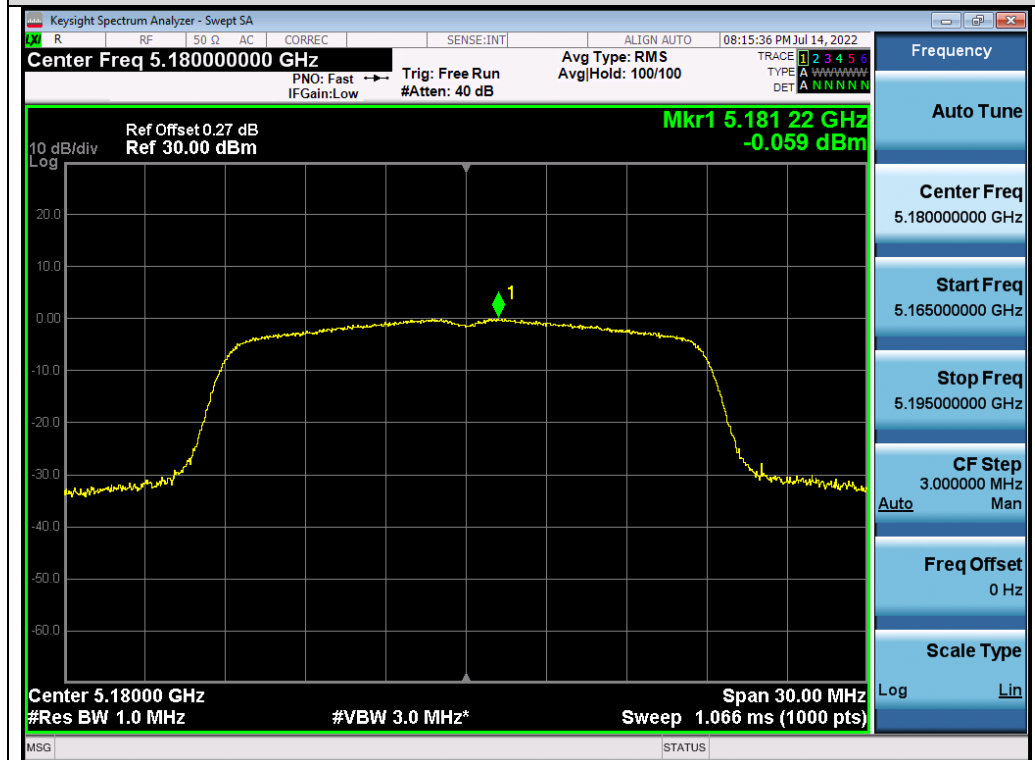


Test_Graph_802.11a_ANT1_5200_6Mbps_PSD

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Test_Graph_802.11a_ANT1_5240_6Mbps_PSD

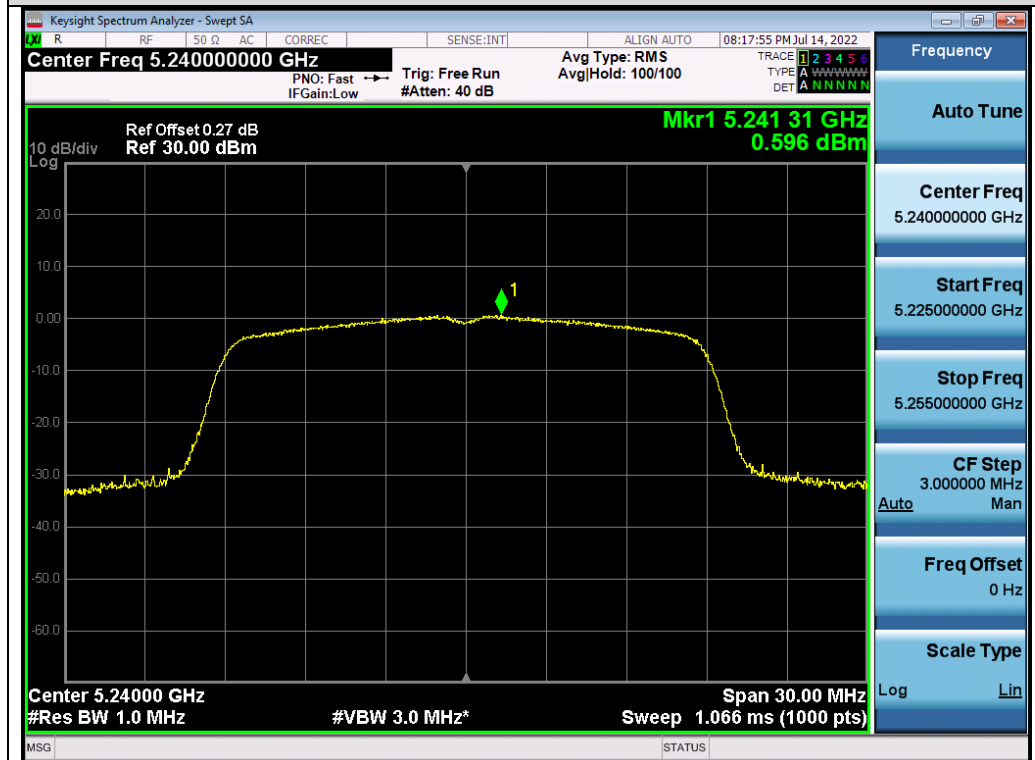


Test_Graph_802.11n20_ANT1_5180_MCS0_PSD

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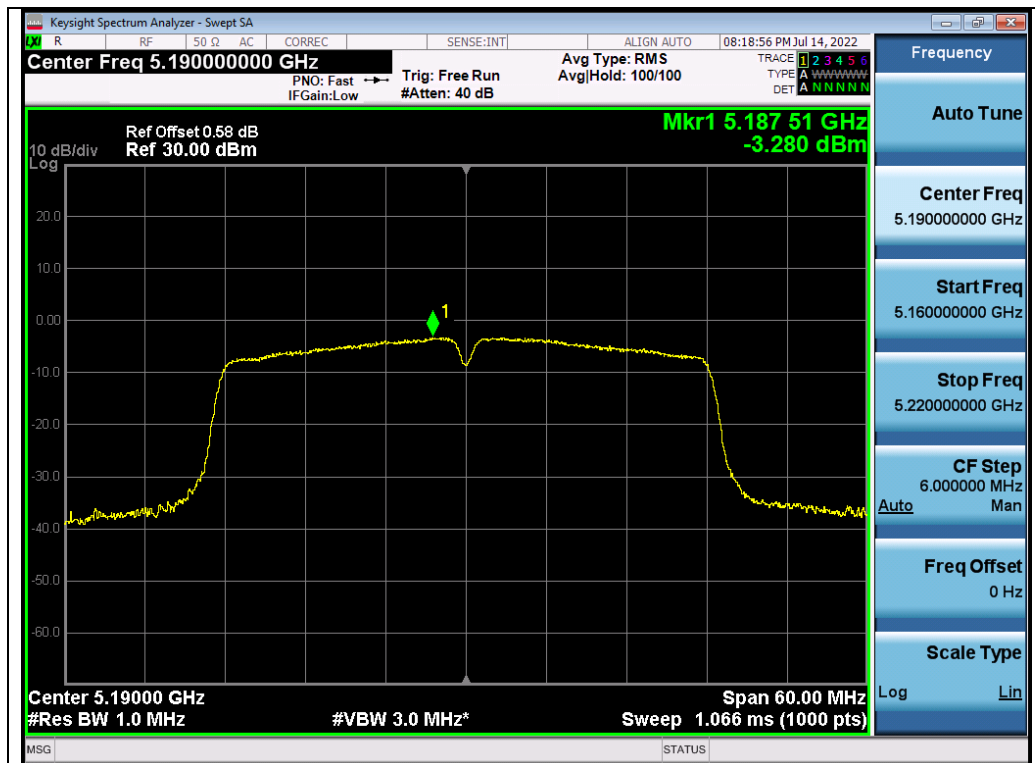


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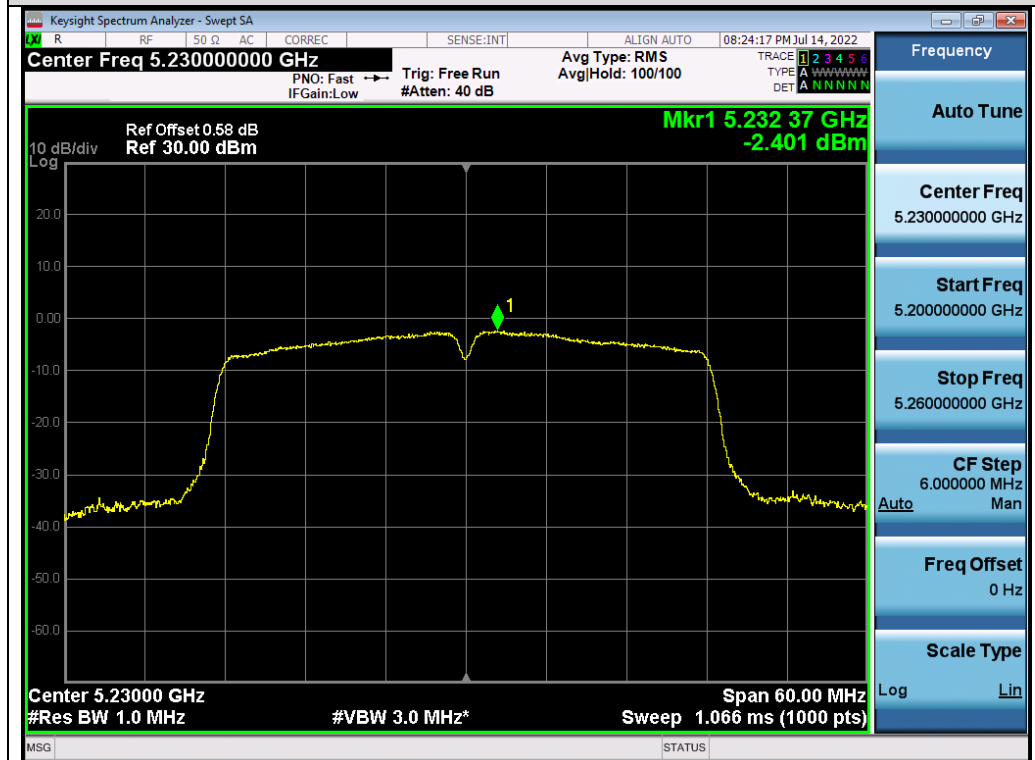


Test_Graph_802.11n20_ANT1_5240_MCS0_PSD

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Test_Graph_802.11n40_ANT1_5190_MCS0_PSD



Test_Graph_802.11n40_ANT1_5230_MCS0_PSD

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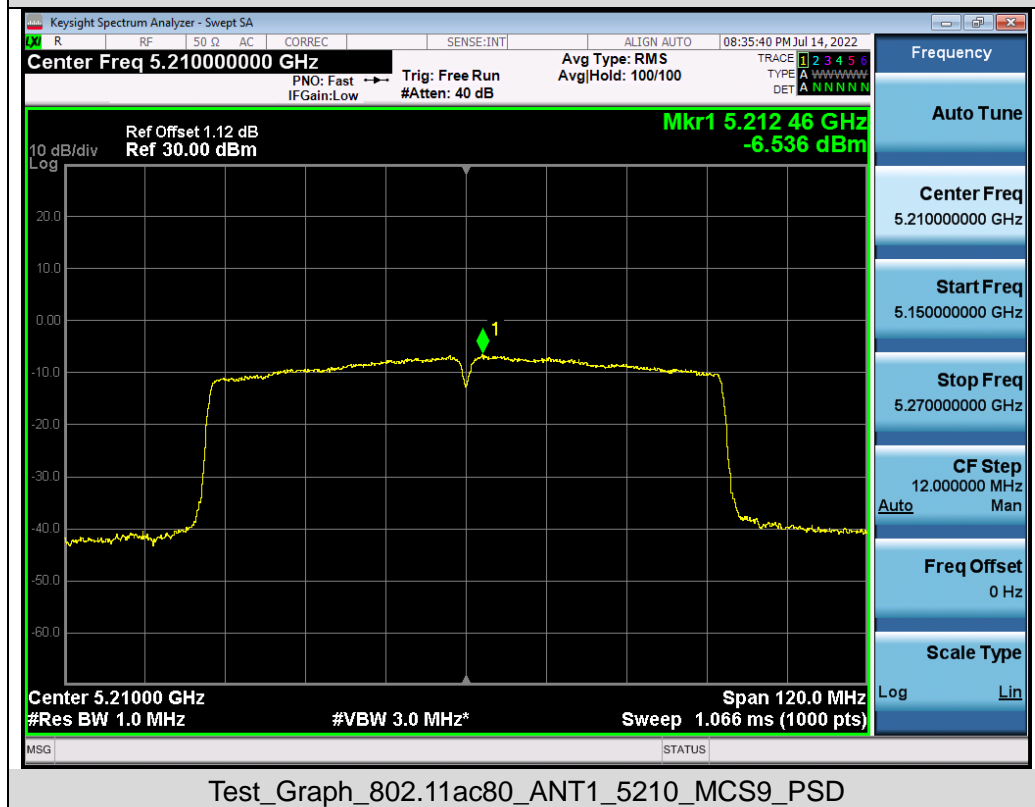


Test_Graph_802.11ac20_ANT1_5240_MCS9_PSD



Test_Graph_802.11ac40_ANT1_5190_MCS9_PSD

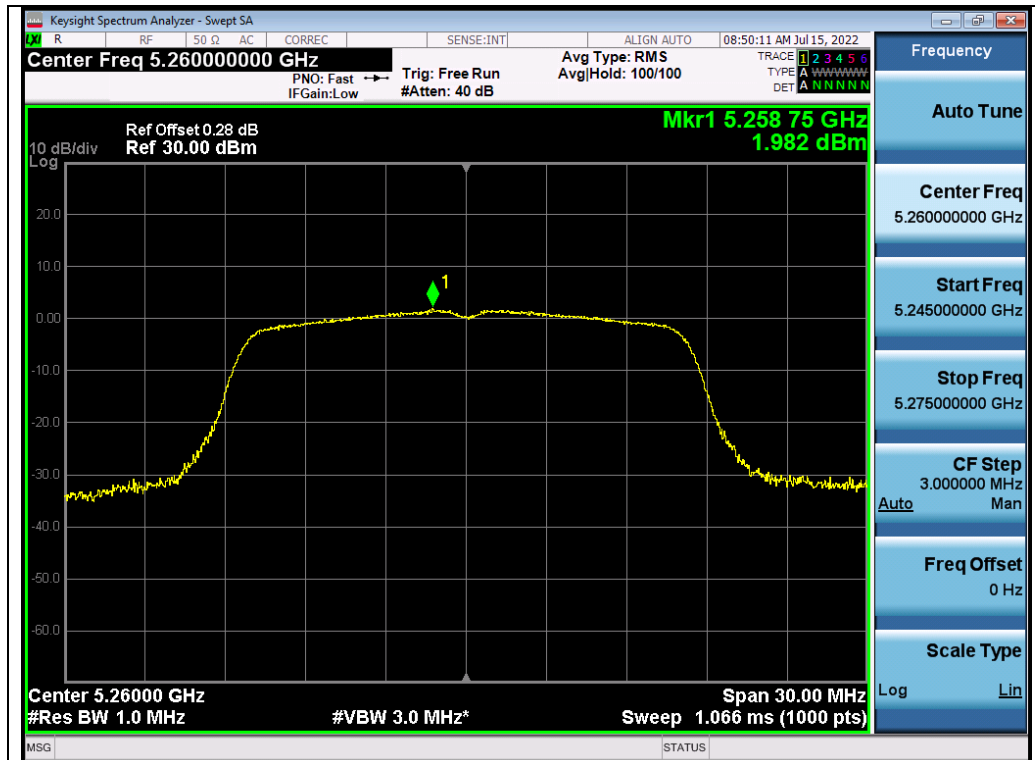
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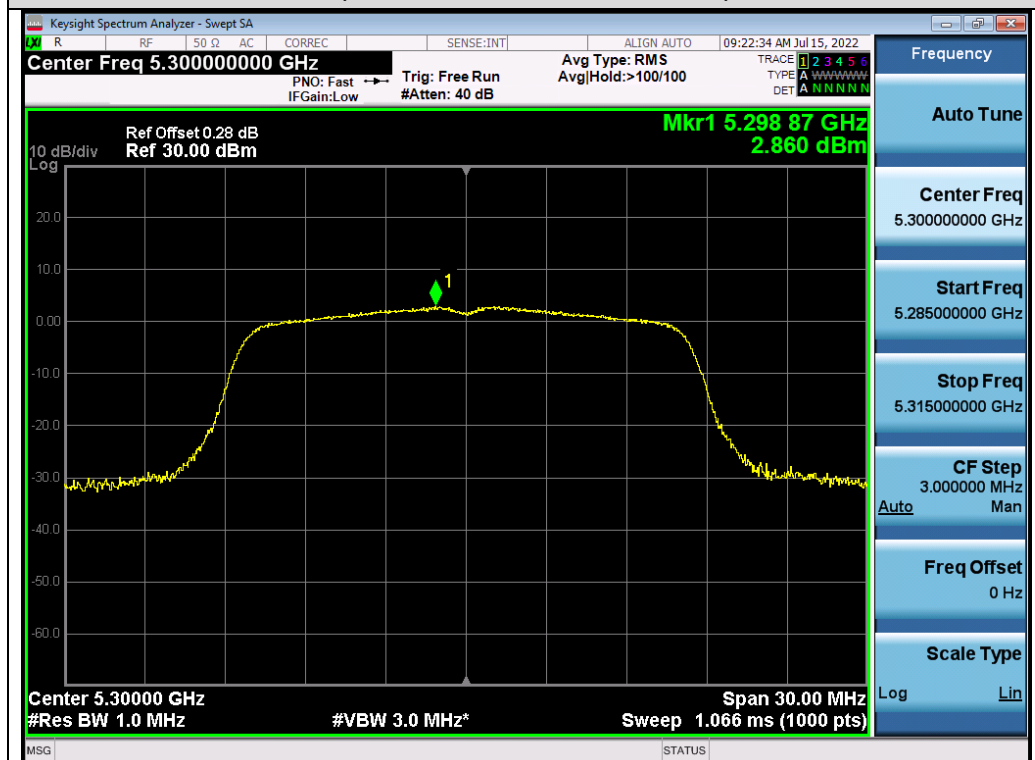
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Test Graphs of Conducted Output Power Spectral Density for band 5.25-5.35 GHz



Test_Graph_802.11a_ANT1_5260_6Mbps_PSD

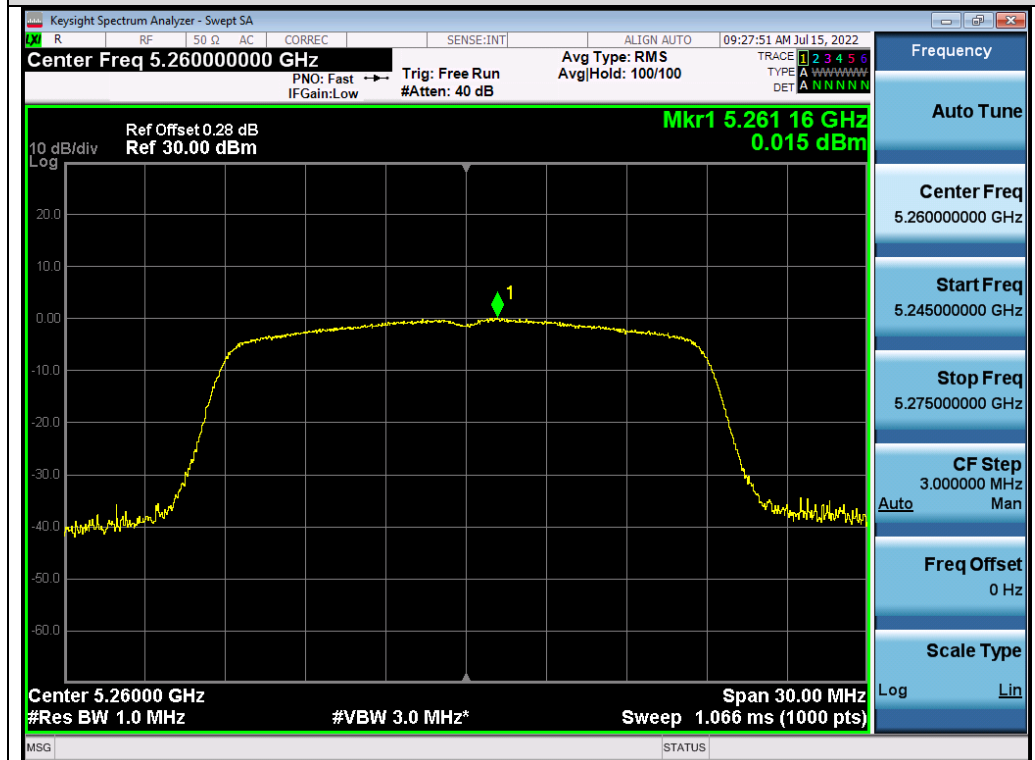


Test_Graph_802.11a_ANT1_5300_6Mbps_PSD

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Test_Graph_802.11a_ANT1_5320_6Mbps_PSD



Test_Graph_802.11n20_ANT1_5260_MCS0_PSD

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