
FCC Test Report

Report No.: AGC02762220706FE06

FCC ID : 2AKC6-AX1808

APPLICATION PURPOSE : Original Equipment

PRODUCT DESIGNATION : Wireless USB Adapter

BRAND NAME : N/A

MODEL NAME : AX1808, AX1806, AX1803

APPLICANT : SHEN ZHEN XIN HUA TIAN TECHNOLOGY CO., LTD

DATE OF ISSUE : Sep. 16, 2022

STANDARD(S) : FCC Part 15.407

TEST PROCEDURE(S) : KDB 789033 D02 v02r01

REPORT VERSION : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd



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REPORT REVISE RECORD

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

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1. VERIFICATION OF CONFORMITY

Applicant	SHEN ZHEN XIN HUA TIAN TECHNOLOGY CO., LTD
Address	3Floor, B Buliding, DaHong Industrial Park, GuangMin District, Shenzhen City, China
Manufacturer	SHEN ZHEN XIN HUA TIAN TECHNOLOGY CO., LTD
Address	3Floor, B Buliding, DaHong Industrial Park, GuangMin District, Shenzhen City, China
Factory	SHEN ZHEN XIN HUA TIAN TECHNOLOGY CO., LTD
Address	3Floor, B Buliding, DaHong Industrial Park, GuangMin District, Shenzhen City, China
Product Designation	Wireless USB Adapter
Brand Name	N/A
Test Model	AX1808
Series Model	AX1806, AX1803
Declaration of Difference	All the same except model name and shell.
Date of test	Sep. 08, 2022 to Sep. 19, 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. 31, 2022

Reviewed By



Calvin Liu
(Reviewer)

Aug. 31, 2022

Approved By



Max Zhang
Authorized Officer

Aug. 31, 2022

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2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

The EUT is designed as "Wireless USB Adapter". 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 checked="" type="checkbox"/> Indoor access points <input type="checkbox"/> Client devices
Operation Frequency	<input checked="" type="checkbox"/> U-NII 1:5150MHz~5250MHz <input type="checkbox"/> U-NII 2C:5470MHz~5725MHz	<input type="checkbox"/> U-NII 2A: 5250MHz~5350MHz <input checked="" type="checkbox"/> U-NII 3: 5725MHz~5850MHz
DFS Design Type	<input checked="" type="checkbox"/> Master <input type="checkbox"/> Slave with radar detection	<input 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, 5745~5825MHz For 802.11n-HT40/ac-VHT40: 5190~5230MHz, 5755~5795MHz For 802.11ac-VHT80: 5210MHz, 5775MHz	
Max Average Power	IEEE 802.11a: 5.52dBm; IEEE 802.11n-HT20: 5.47dBm; IEEE 802.11n-HT40: 5.35dBm; IEEE 802.11ac-VHT20: 5.18dBm; IEEE 802.11ac-VHT40: 5.01dBm; IEEE 802.11ac-VHT80: 4.63dBm	
Output Power_MIMO	IEEE 802.11n-HT20: 8.23 dBm; IEEE 802.11n-HT40: 8.11dBm; IEEE 802.11ac-VHT20: 7.97 dBm; IEEE 802.11ac-VHT40: 7.94 dBm; IEEE 802.11ac-VHT80: 7.50 dBm	
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 400(868.8)Mbps	
Number of channels	7 channels of U-NII-1 Band 8 channels of U-NII-3 Band	
Hardware Version	V1.0	
Software Version	V2.1	
Antenna Designation	Dipole Antenna (Comply with requirements of the FCC part 15.203)	
Number of transmit chain	2 (802.11a/n/ac all used two antennas, 802.11n/ac support MIMO)	
Antenna Gain	2.15dBi	

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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 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: 2AKC6-AX1808** 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.

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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.

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2.8. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna Type	Frequency Band (MHz)	TX Paths	Bandwidth (MHz)	Max Peak Gain (dBi)		Max Directional Gain (dBi)
				Ant 1	Ant 2	
5G WIFI Dipole Antenna List (5GHz 2*2 MIMO)						
Dipole Antenna	5150 ~ 5250	2	20,40,80	2.15	2.15	5.16
	5725 ~ 5850	2	20,40,80	2.15	2.15	5.16

Note 1: The EUT supports Cyclic Delay Diversity (CDD) technology for 802.11n/ac mode.

Note 2: The EUT supports Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.

If all antennas have the same gain, G_{ANT} , Directional gain = $G_{ANT} + \text{Array Gain}$, where Array Gain is as follows.

- For power spectral density (PSD) measurements on devices:

Array Gain = $10 \log (N_{ANT}/ N_{SS})$ dB = 3.01;

- For power measurements on IEEE 802.1 devices:

Array Gain = 0 dB for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;

Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less, for 20 MHz channel widths with $N_{ANT} \geq 5$.

If antenna gains are not equal, Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

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3. MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended 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	$U_c = \pm 2 \text{ %}$
Uncertainty of Occupied Channel Bandwidth	$U_c = \pm 2 \text{ %}$

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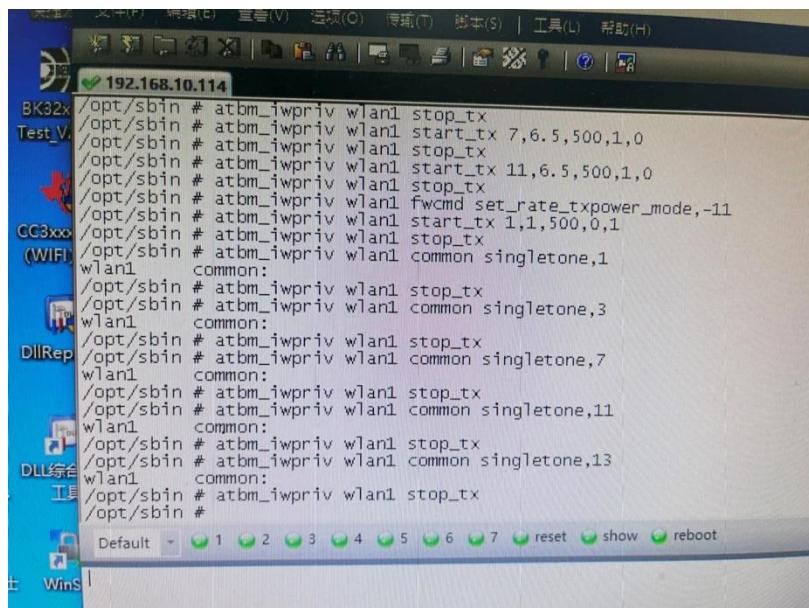
4. DESCRIPTION OF TEST MODES

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

Software Setting



```

192.168.10.114
/opt/sbin # atbm_iwpriv wlan1 stop_tx
/opt/sbin # atbm_iwpriv wlan1 start_tx 7,6,5,500,1,0
/opt/sbin # atbm_iwpriv wlan1 stop_tx
/opt/sbin # atbm_iwpriv wlan1 start_tx 11,6,5,500,1,0
/opt/sbin # atbm_iwpriv wlan1 stop_tx
/opt/sbin # atbm_iwpriv wlan1 fwcmd set_rate_txpower_mode,-11
/opt/sbin # atbm_iwpriv wlan1 start_tx 1,1,500,0,1
/opt/sbin # atbm_iwpriv wlan1 stop_tx
/opt/sbin # atbm_iwpriv wlan1 common singletone,1
wlan1 common:
/opt/sbin # atbm_iwpriv wlan1 stop_tx
/opt/sbin # atbm_iwpriv wlan1 common singletone,3
wlan1 common:
/opt/sbin # atbm_iwpriv wlan1 stop_tx
/opt/sbin # atbm_iwpriv wlan1 common singletone,7
wlan1 common:
/opt/sbin # atbm_iwpriv wlan1 stop_tx
/opt/sbin # atbm_iwpriv wlan1 common singletone,11
wlan1 common:
/opt/sbin # atbm_iwpriv wlan1 stop_tx
/opt/sbin # atbm_iwpriv wlan1 common singletone,13
wlan1 common:
/opt/sbin # atbm_iwpriv wlan1 stop_tx
/opt/sbin #

```

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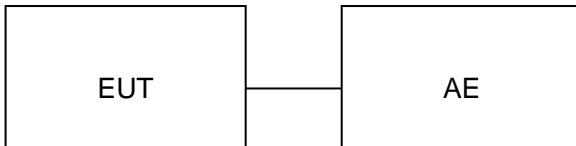
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5. SYSTEM TEST CONFIGURATION

5.1. CONFIGURATION OF EUT SYSTEM

Configure 1:



5.2. EQUIPMENT USED IN EUT SYSTEM

Item	Equipment	Model No.	ID or Specification	Remark
1	Wireless USB Adapter	AX1808	2AKC6-AX1808	EUT
2	PC	Nbl-WAQ9R	DC 5V	AE
3	PC adapter	HW-200200CP1	DC 5V	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. 09, 2022	Jun. 08, 2023
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
Power sensor	Aglient	U2021XA	MY54110007	May. 04, 2022	May. 03, 2023
5GHz Fliter	EM Electronics	5150-5880MHz	N/A	Mar. 23, 2022	Mar. 22, 2024
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	Tonscend	JS32-RE (Ver.2.5)	N/A	N/A	N/A

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7. MAXIMUM CONDUCTED OUTPUT POWER

7.1. MEASUREMENT PROCEDURE

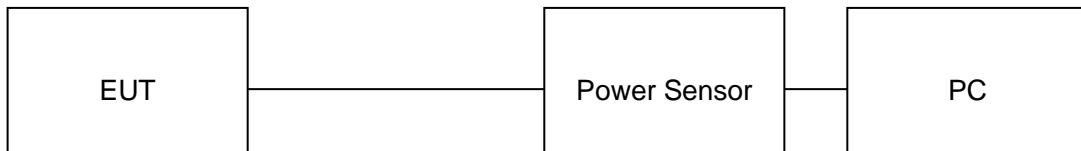
For average power test:

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-ANT 1				
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail
802.11a	5180	5.52	30	Pass
	5200	4.95	30	Pass
	5240	4.82	30	Pass
802.11n20	5180	5.47	30	Pass
	5200	5.01	30	Pass
	5240	4.59	30	Pass
802.11n40	5190	5.35	30	Pass
	5230	4.09	30	Pass
802.11ac20	5180	5.18	30	Pass
	5200	4.33	30	Pass
	5240	4.11	30	Pass
802.11ac40	5190	5.01	30	Pass
	5230	4.37	30	Pass
802.11ac80	5210	4.43	30	Pass

Test Data of Conducted Output Power for band 5.15-5.25 GHz-ANT 2				
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail
802.11a	5180	5.17	30	Pass
	5200	5.18	30	Pass
	5240	5.00	30	Pass
802.11n20	5180	4.90	30	Pass
	5200	4.93	30	Pass
	5240	4.87	30	Pass
802.11n40	5190	4.84	30	Pass
	5230	4.77	30	Pass
802.11ac20	5180	4.73	30	Pass
	5200	4.68	30	Pass
	5240	4.49	30	Pass
802.11ac40	5190	4.85	30	Pass
	5230	4.49	30	Pass
802.11ac80	5210	4.54	30	Pass

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Test Data of Conducted Output Power for band 5.725-5.85 GHz-ANT 1				
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail
802.11a	5745	5.20	30	Pass
	5785	5.38	30	Pass
	5825	5.27	30	Pass
802.11n20	5745	4.98	30	Pass
	5785	5.09	30	Pass
	5825	5.25	30	Pass
802.11n40	5755	4.96	30	Pass
	5795	5.25	30	Pass
802.11ac20	5745	4.75	30	Pass
	5785	4.73	30	Pass
	5825	4.60	30	Pass
802.11ac40	5755	4.46	30	Pass
	5795	4.39	30	Pass
802.11ac80	5775	4.28	30	Pass

Test Data of Conducted Output Power for band 5.725-5.85 GHz-ANT 2				
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail
802.11a	5745	5.11	30	Pass
	5785	5.23	30	Pass
	5825	5.11	30	Pass
802.11n20	5745	4.81	30	Pass
	5785	5.04	30	Pass
	5825	5.19	30	Pass
802.11n40	5755	4.86	30	Pass
	5795	4.76	30	Pass
802.11ac20	5745	4.65	30	Pass
	5785	4.81	30	Pass
	5825	4.93	30	Pass
802.11ac40	5755	4.57	30	Pass
	5795	4.32	30	Pass
802.11ac80	5775	4.63	30	Pass

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Test Data of Conducted Output Power for band 5.15-5.25 GHz-ANT 1+ ANT 2				
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail
802.11a	5180	N/A	N/A	Pass
	5200	N/A	N/A	Pass
	5240	N/A	N/A	Pass
802.11n20	5180	8.20	30	Pass
	5200	7.98	30	Pass
	5240	7.74	30	Pass
802.11n40	5190	8.11	30	Pass
	5230	7.45	30	Pass
802.11ac20	5180	7.97	30	Pass
	5200	7.52	30	Pass
	5240	7.31	30	Pass
802.11ac40	5190	7.94	30	Pass
	5230	7.44	30	Pass
802.11ac80	5210	7.50	30	Pass

Note: The 802.11a mode can't support MIMO.

Test Data of Conducted Output Power for band 5.725-5.85 GHz-ANT 1+ ANT 2				
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail
802.11a	5745	N/A	N/A	Pass
	5785	N/A	N/A	Pass
	5825	N/A	N/A	Pass
802.11n20	5745	7.91	30	Pass
	5785	8.08	30	Pass
	5825	8.23	30	Pass
802.11n40	5755	7.92	30	Pass
	5795	8.02	30	Pass
802.11ac20	5745	7.71	30	Pass
	5785	7.78	30	Pass
	5825	7.78	30	Pass
802.11ac40	5755	7.53	30	Pass
	5795	7.37	30	Pass
802.11ac80	5775	7.47	30	Pass

Note: The 802.11a mode can't support MIMO.

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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 $\geq 3 \times$ 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:

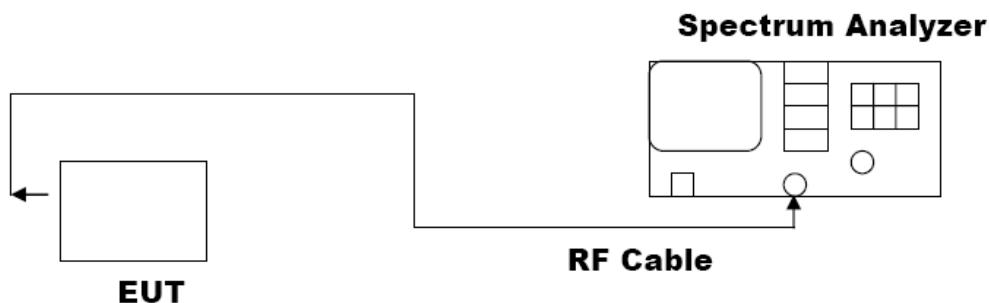
1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
3. Set Span = approximately 1.5 to 5 times the OBW, centered on a nominal channel
The nominal IF filter bandwidth (3 dB RBW) shall 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 > 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-ANT 1					
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	-26dB Bandwidth (MHz)	Limits (MHz)	Pass or Fail
802.11a	5180	16.493	20.735	N/A	Pass
	5200	16.537	21.706	N/A	Pass
	5240	16.540	21.647	N/A	Pass
802.11n20	5180	17.565	20.480	N/A	Pass
	5200	17.595	20.833	N/A	Pass
	5240	17.605	21.850	N/A	Pass
802.11n40	5190	36.019	48.815	N/A	Pass
	5230	36.091	48.925	N/A	Pass
802.11ac20	5180	17.559	19.990	N/A	Pass
	5200	17.591	22.084	N/A	Pass
	5240	17.596	20.794	N/A	Pass
802.11ac40	5190	35.970	48.553	N/A	Pass
	5230	36.044	51.055	N/A	Pass
802.11ac80	5210	76.005	115.338	N/A	Pass

Test Data of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz-ANT 2					
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	-26dB Bandwidth (MHz)	Limits (MHz)	Pass or Fail
802.11a	5180	16.498	20.808	N/A	Pass
	5200	16.533	21.502	N/A	Pass
	5240	16.565	21.657	N/A	Pass
802.11n20	5180	17.577	20.607	N/A	Pass
	5200	17.599	20.852	N/A	Pass
	5240	17.622	22.419	N/A	Pass
802.11n40	5190	36.056	47.066	N/A	Pass
	5230	36.091	52.273	N/A	Pass
802.11ac20	5180	17.570	20.645	N/A	Pass
	5200	17.596	20.681	N/A	Pass
	5240	17.632	22.522	N/A	Pass
802.11ac40	5190	35.965	48.798	N/A	Pass
	5230	36.025	50.003	N/A	Pass
802.11ac80	5210	76.035	114.791	N/A	Pass

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Test Data of Occupied Bandwidth and DTS Bandwidth for band 5.725-5.85 GHz-ANT 1					
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	DTS Bandwidth (MHz)	Limits (MHz)	Pass or Fail
802.11a	5745	16.487	15.077	0.5	Pass
	5785	16.490	15.101	0.5	Pass
	5825	16.467	15.016	0.5	Pass
802.11n20	5745	17.538	15.102	0.5	Pass
	5785	17.546	15.074	0.5	Pass
	5825	17.547	15.099	0.5	Pass
802.11n40	5755	36.008	35.080	0.5	Pass
	5795	35.998	35.099	0.5	Pass
802.11ac20	5745	17.537	15.061	0.5	Pass
	5785	17.530	15.063	0.5	Pass
	5825	17.550	15.097	0.5	Pass
802.11ac40	5755	35.952	35.095	0.5	Pass
	5795	35.929	35.073	0.5	Pass
802.11ac80	5775	75.913	76.329	0.5	Pass

Test Data of Occupied Bandwidth and DTS Bandwidth for band 5.725-5.85 GHz-ANT 2					
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	DTS Bandwidth (MHz)	Limits (MHz)	Pass or Fail
802.11a	5745	16.483	14.193	0.5	Pass
	5785	16.503	13.834	0.5	Pass
	5825	16.485	15.093	0.5	Pass
802.11n20	5745	17.536	15.093	0.5	Pass
	5785	17.541	15.045	0.5	Pass
	5825	17.551	15.055	0.5	Pass
802.11n40	5755	35.987	35.084	0.5	Pass
	5795	35.964	35.084	0.5	Pass
802.11ac20	5745	17.533	15.051	0.5	Pass
	5785	17.530	15.065	0.5	Pass
	5825	17.528	15.080	0.5	Pass
802.11ac40	5755	35.974	35.082	0.5	Pass
	5795	35.937	35.048	0.5	Pass
802.11ac80	5775	75.955	76.343	0.5	Pass

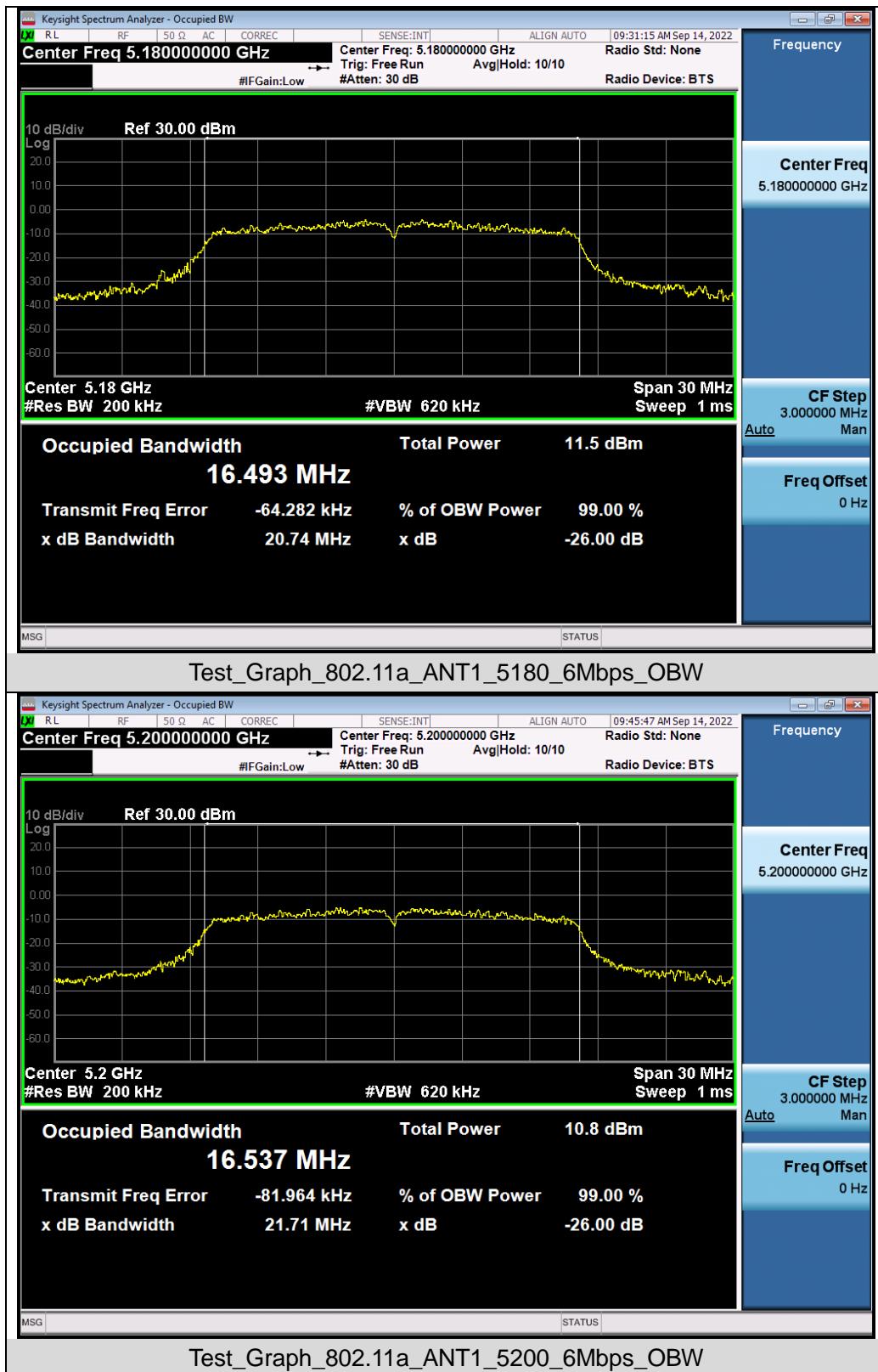
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Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz-ANT 1

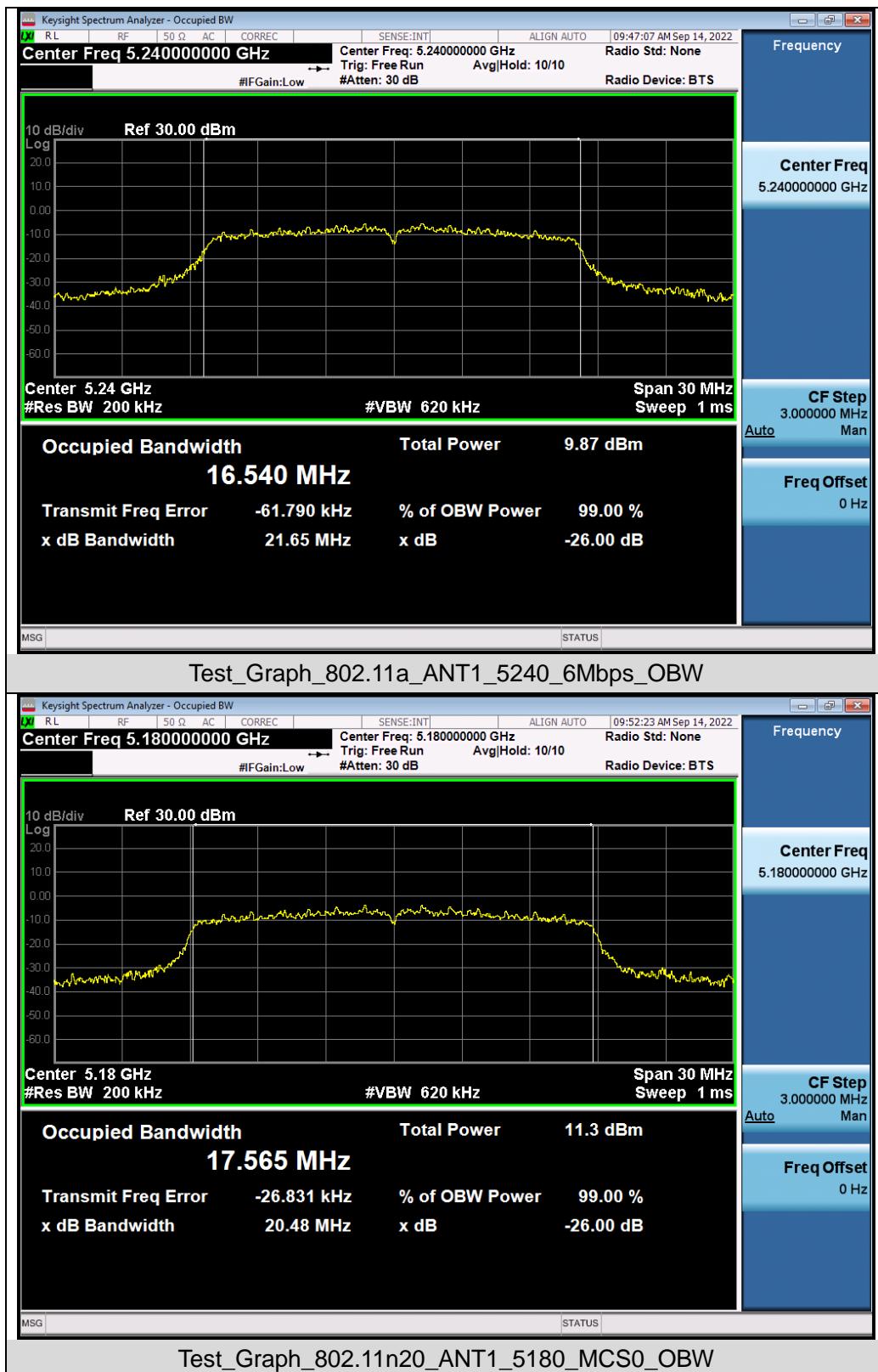


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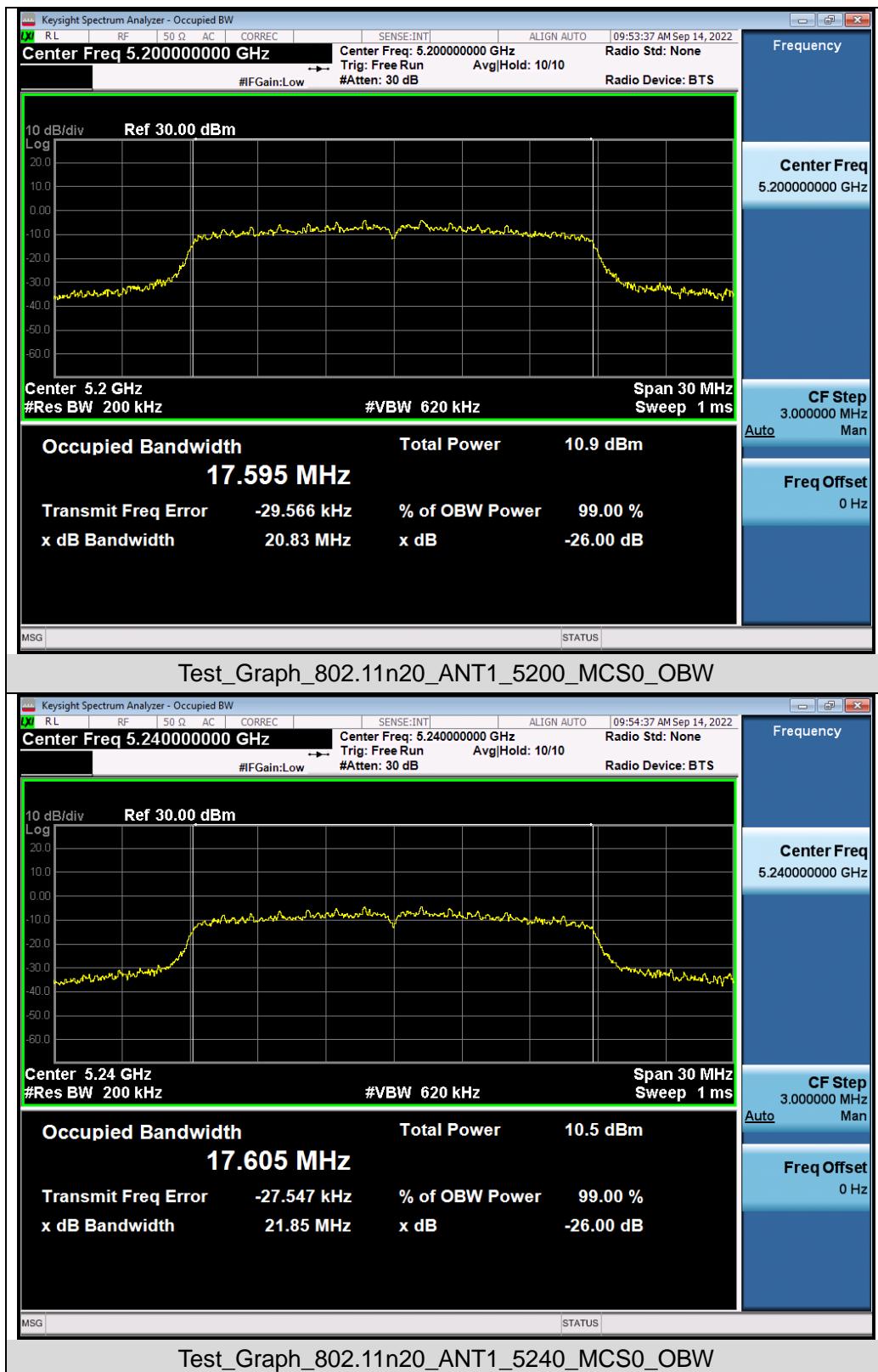


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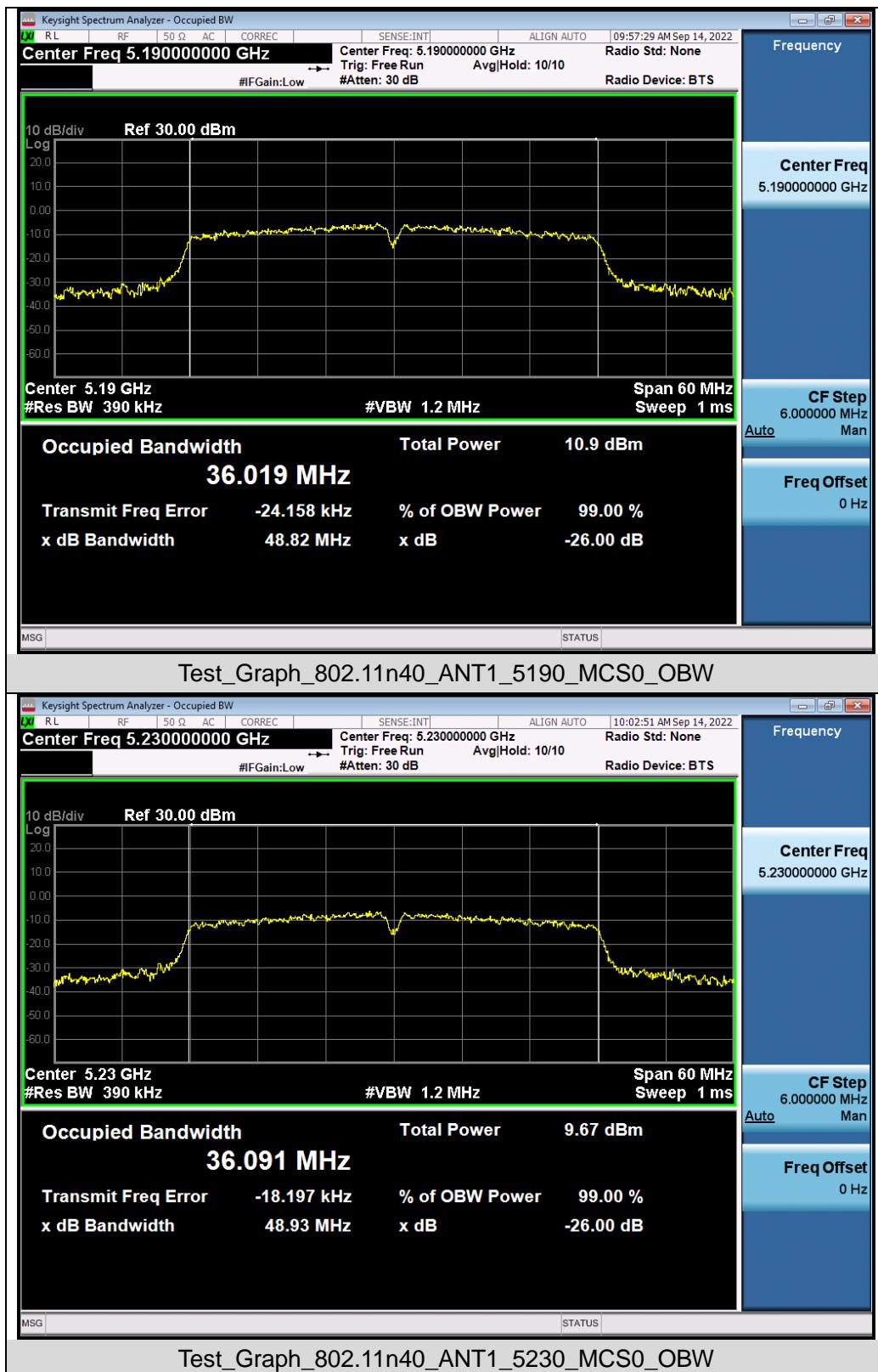


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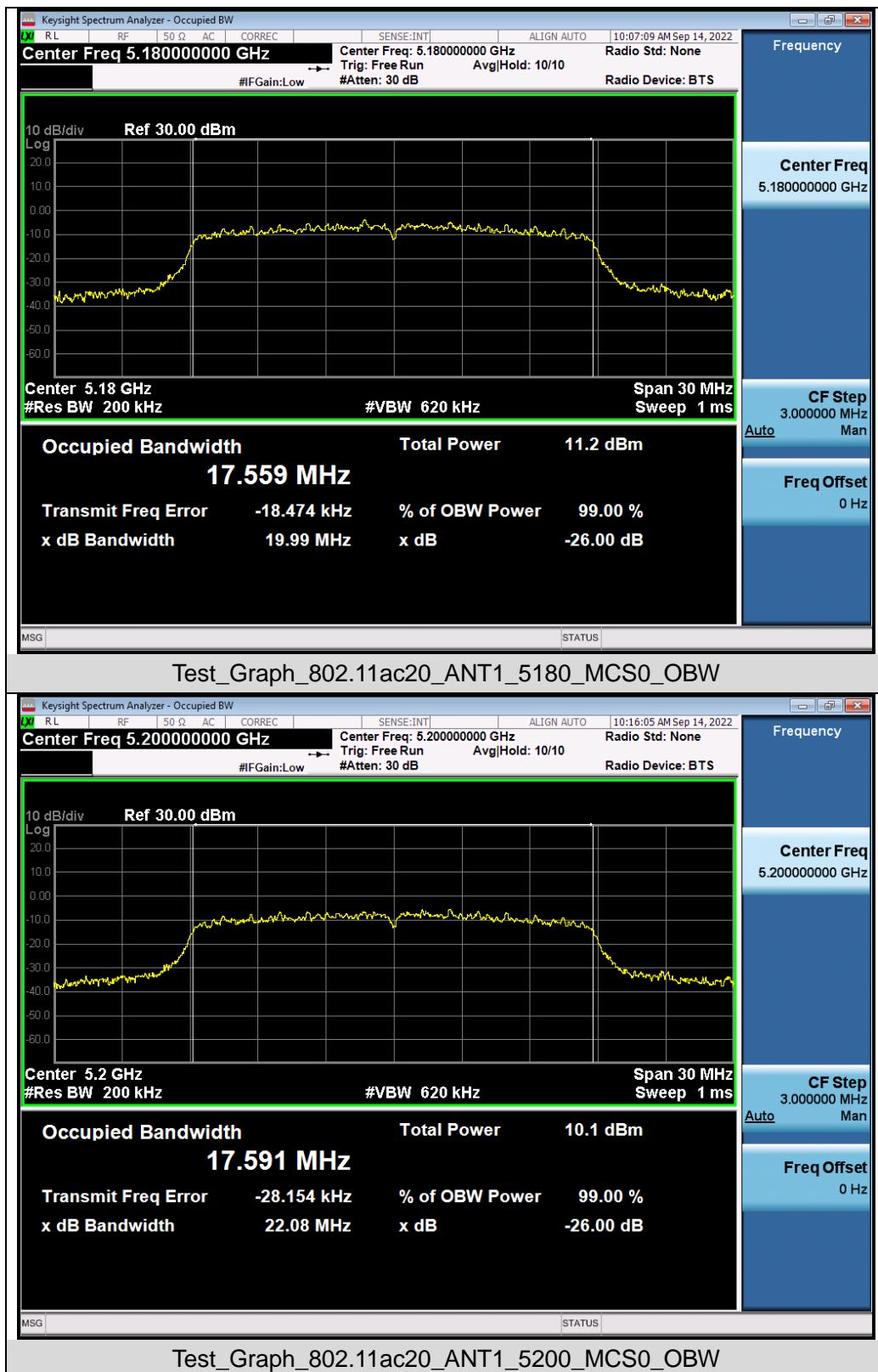


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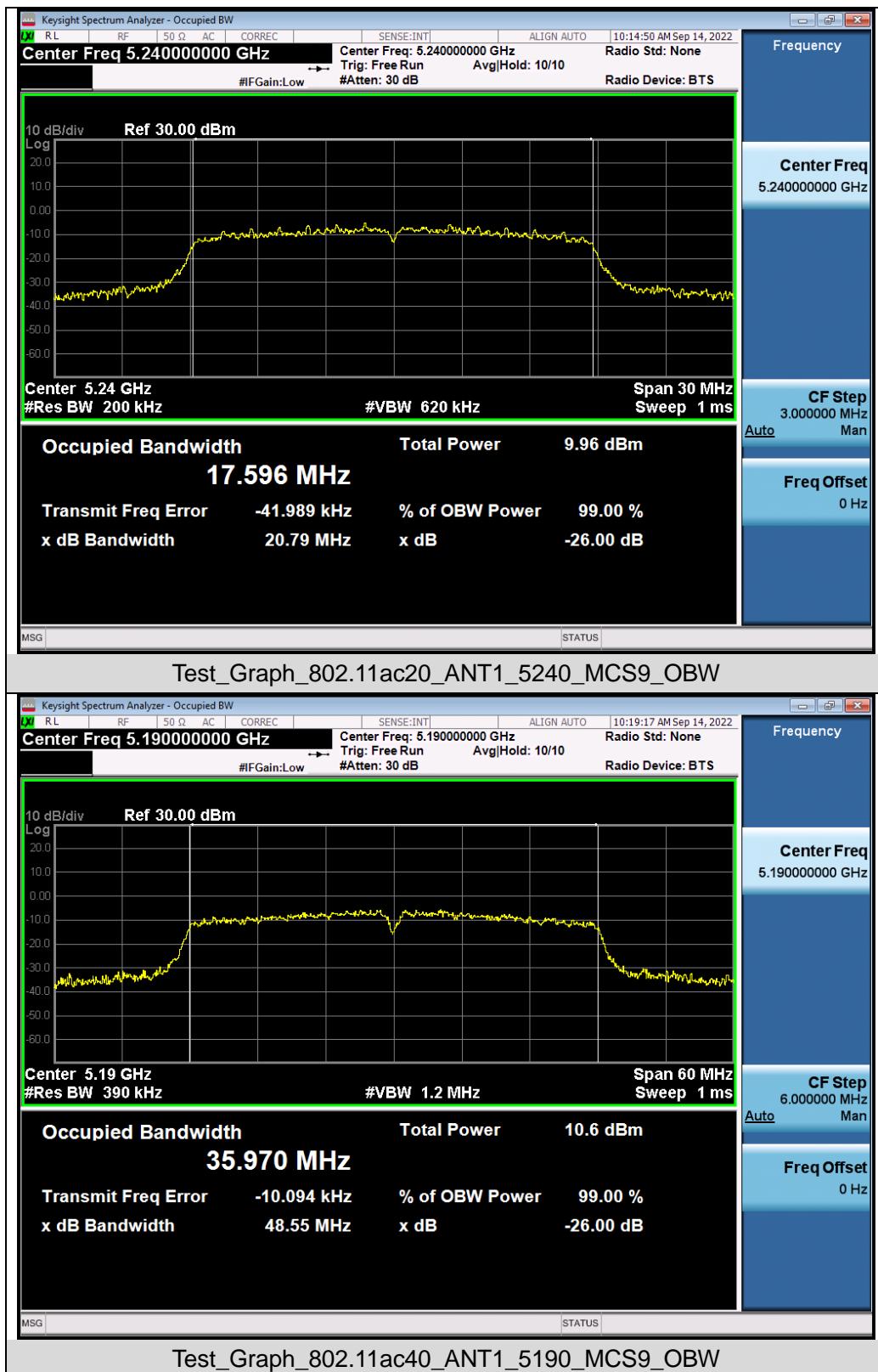


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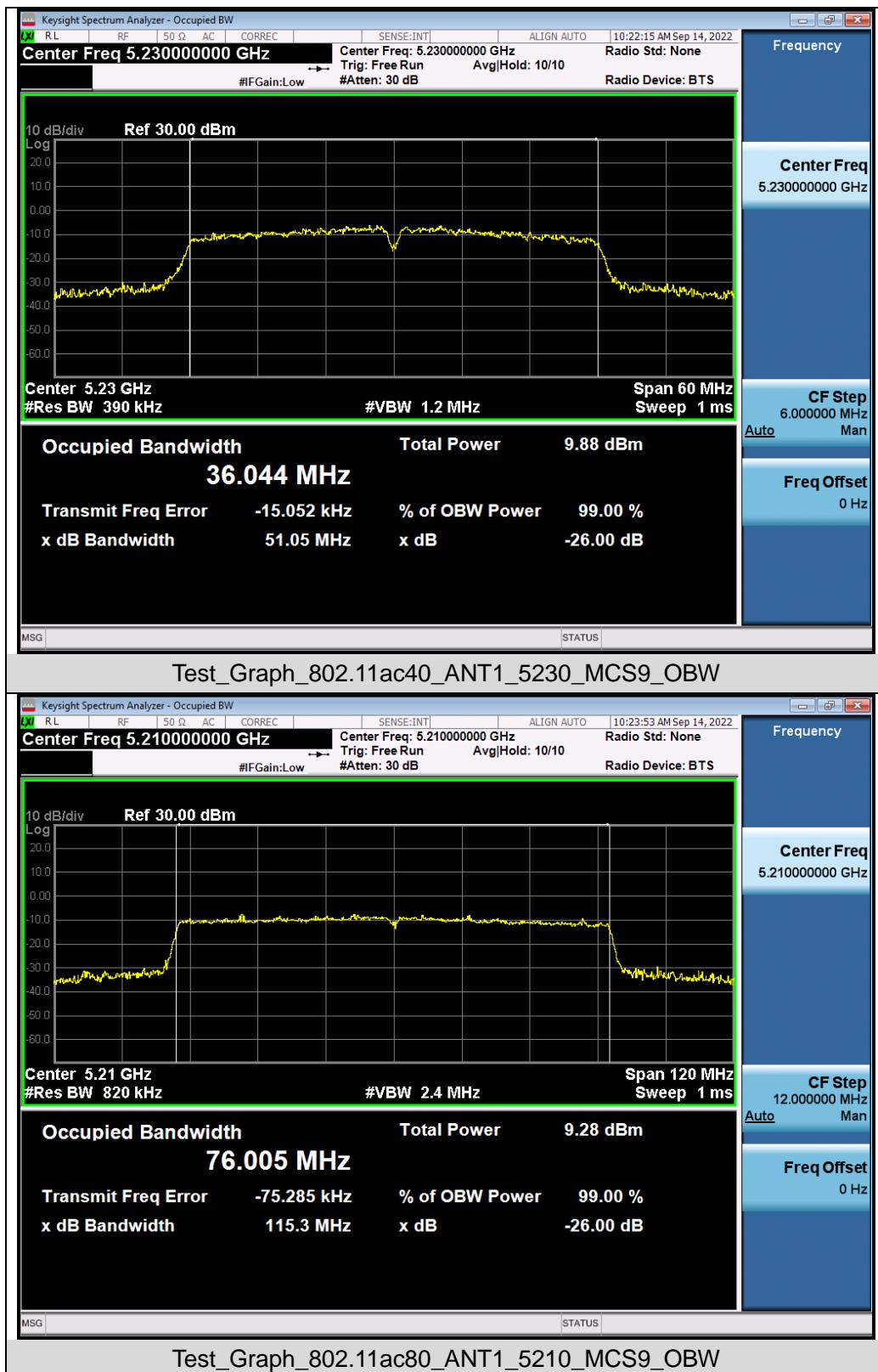


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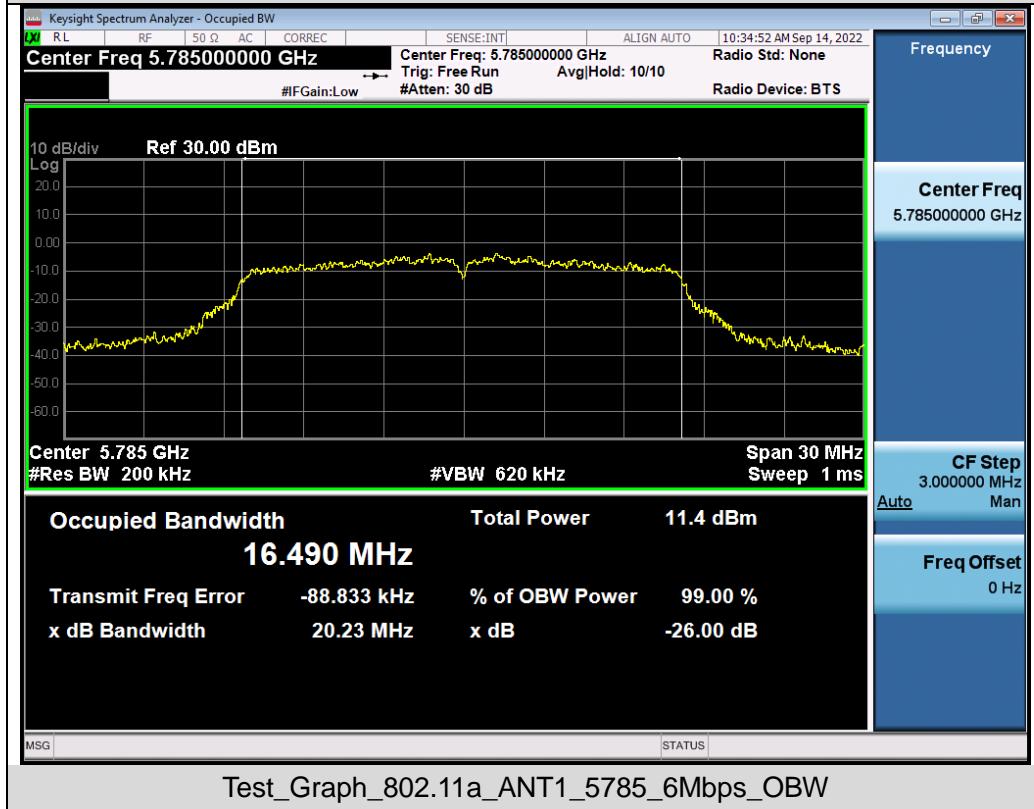
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Test Graphs of Occupied Bandwidth for band 5.725-5.85 GHz



Test_Graph_802.11a_ANT1_5745_6Mbps_OBW



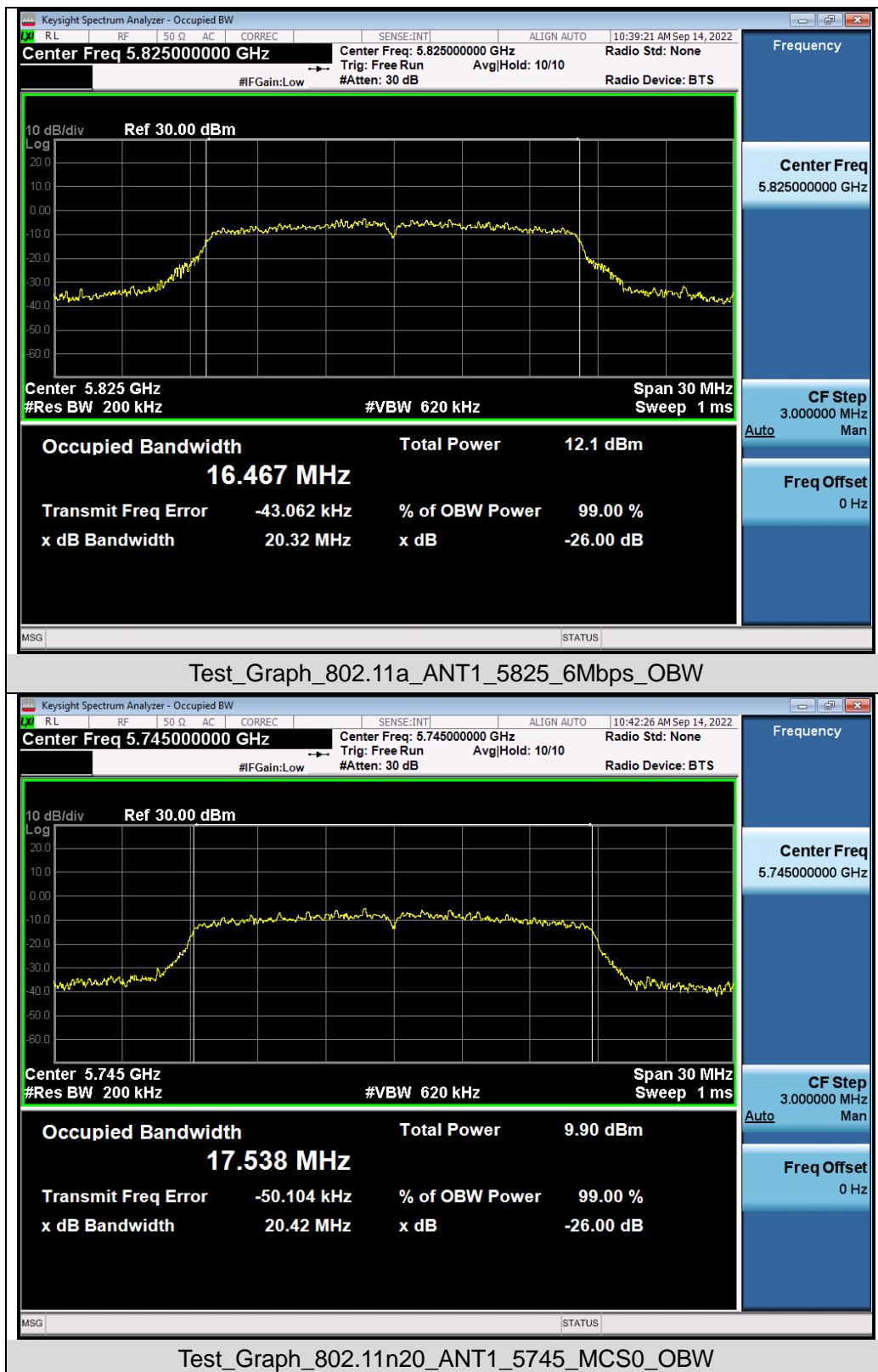
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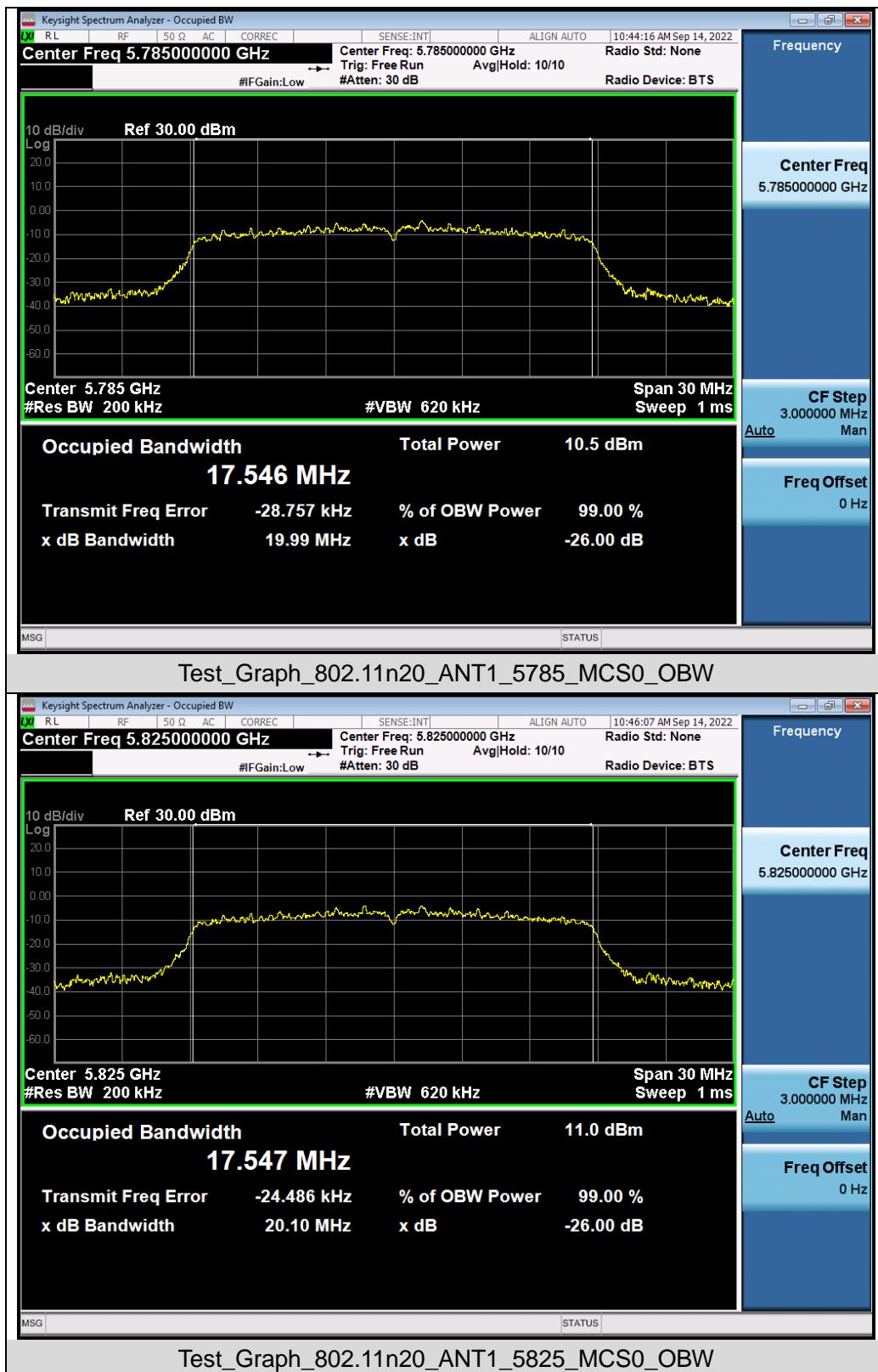


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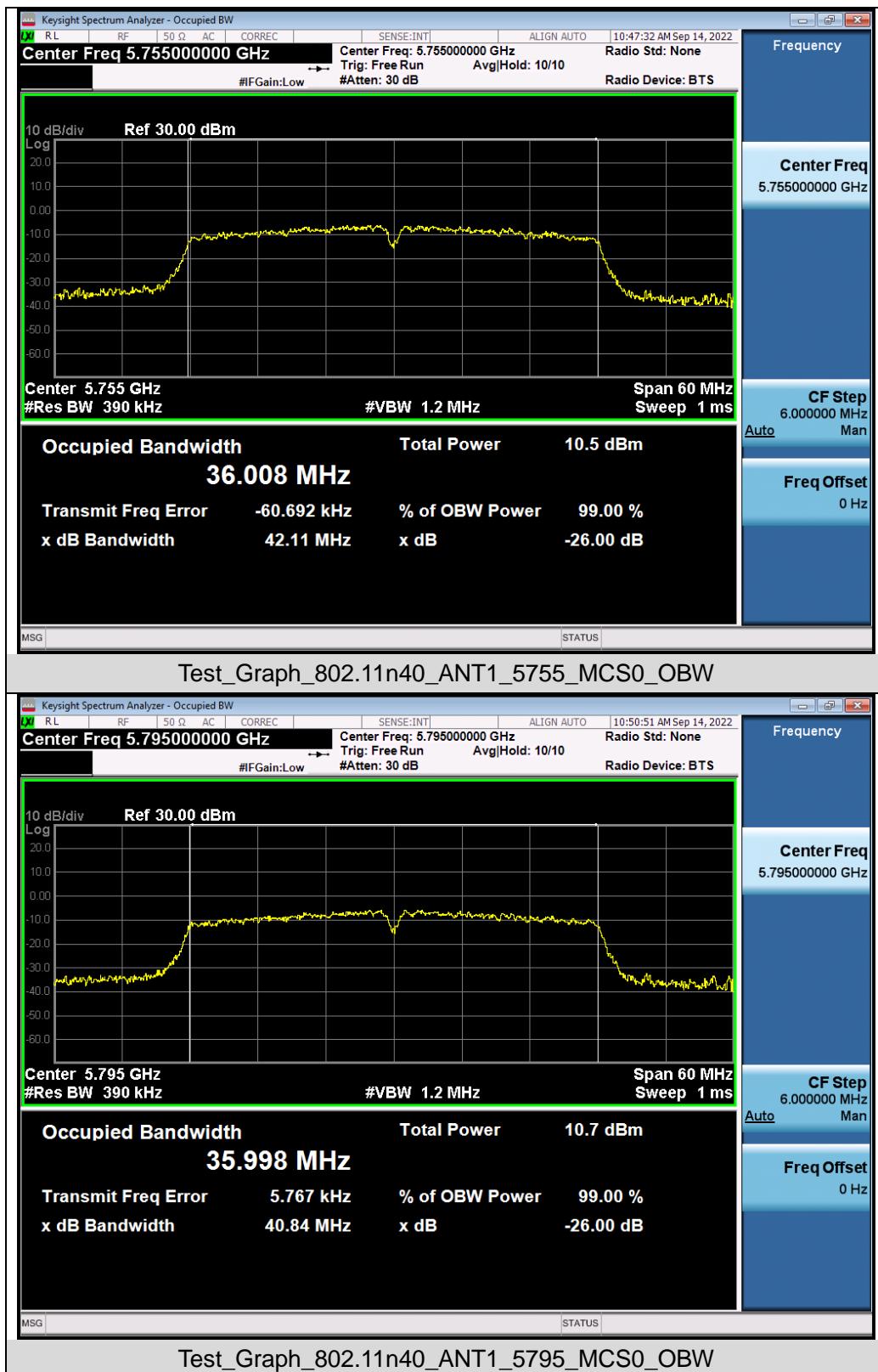


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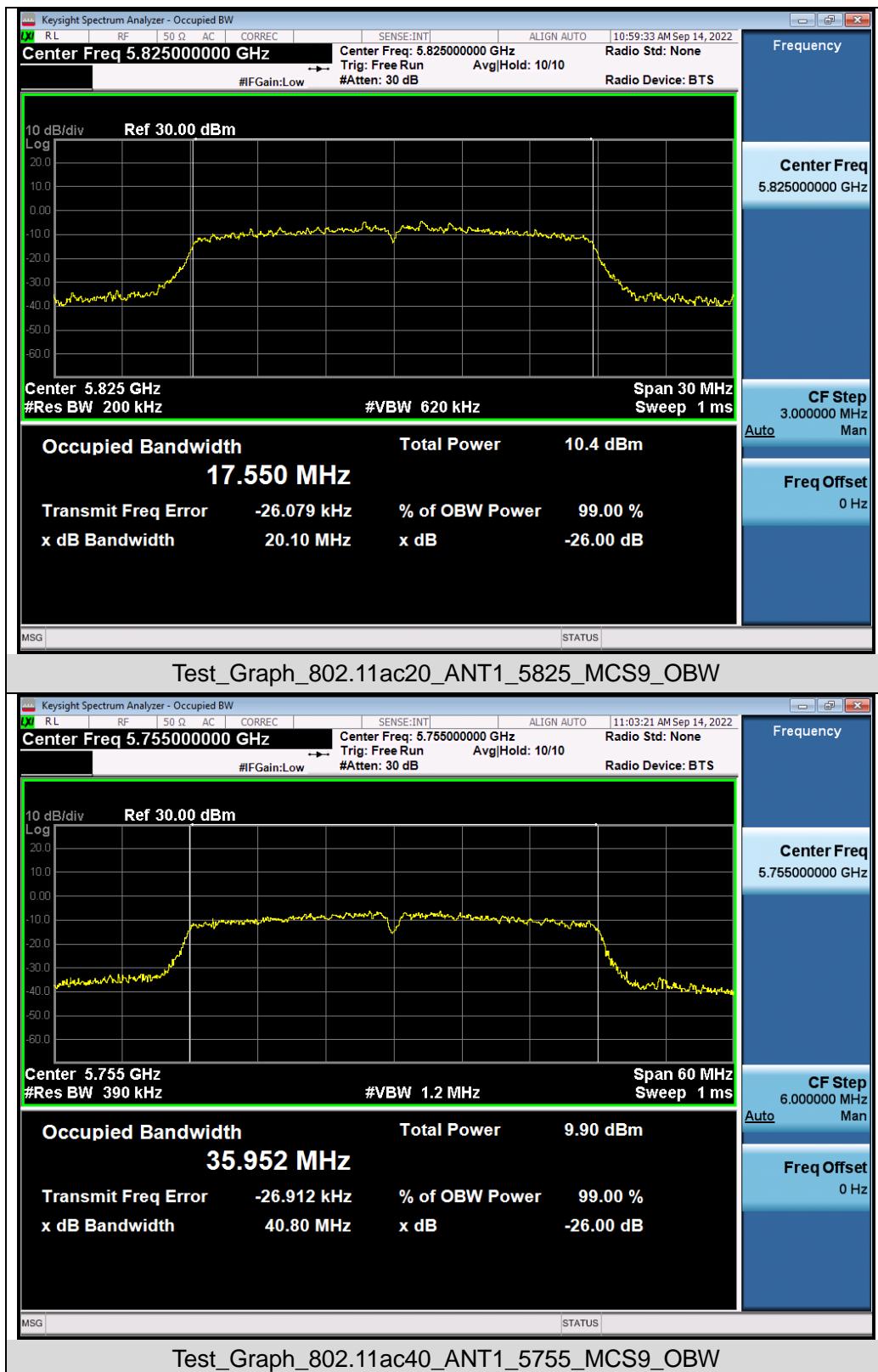


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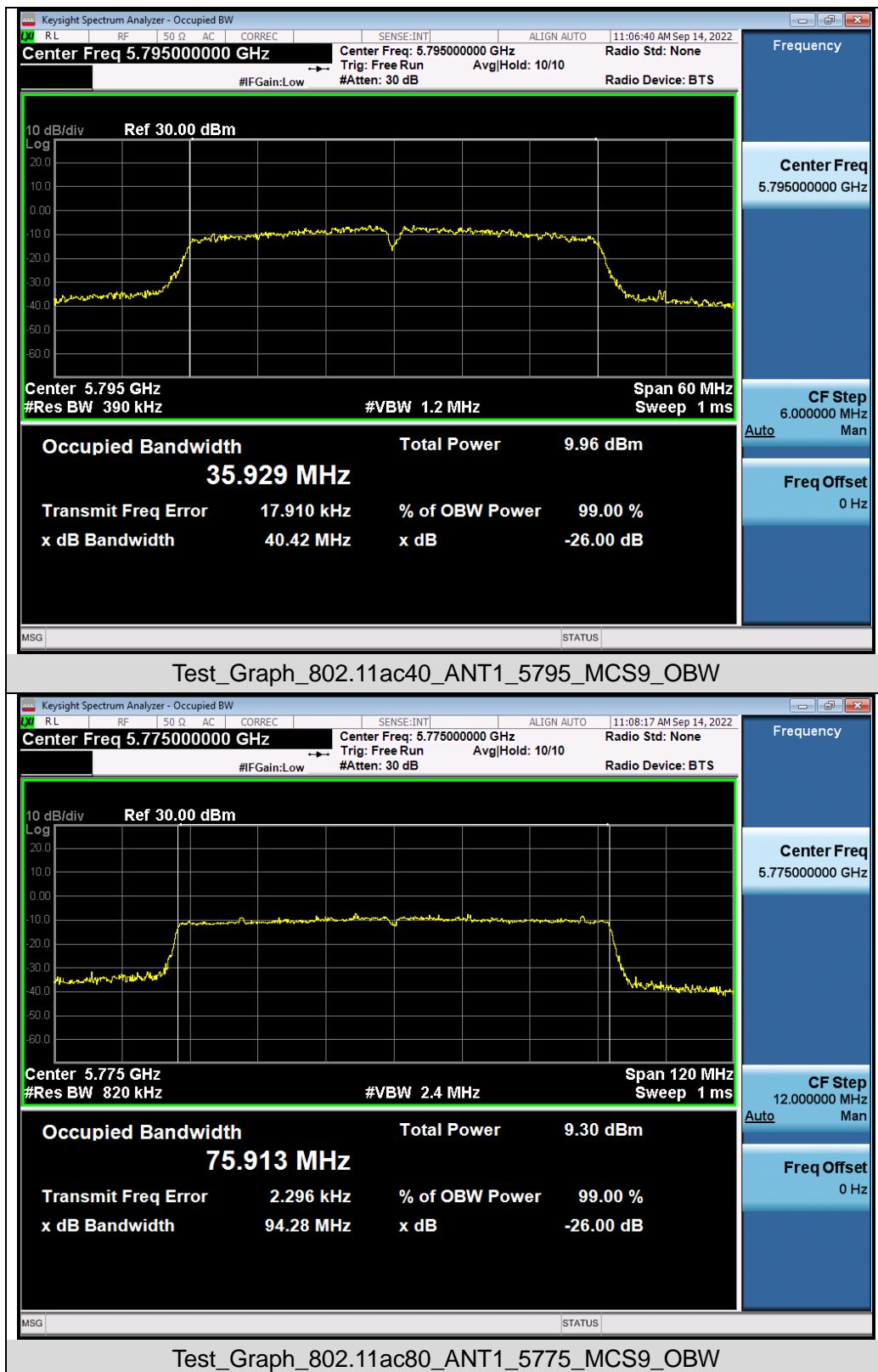


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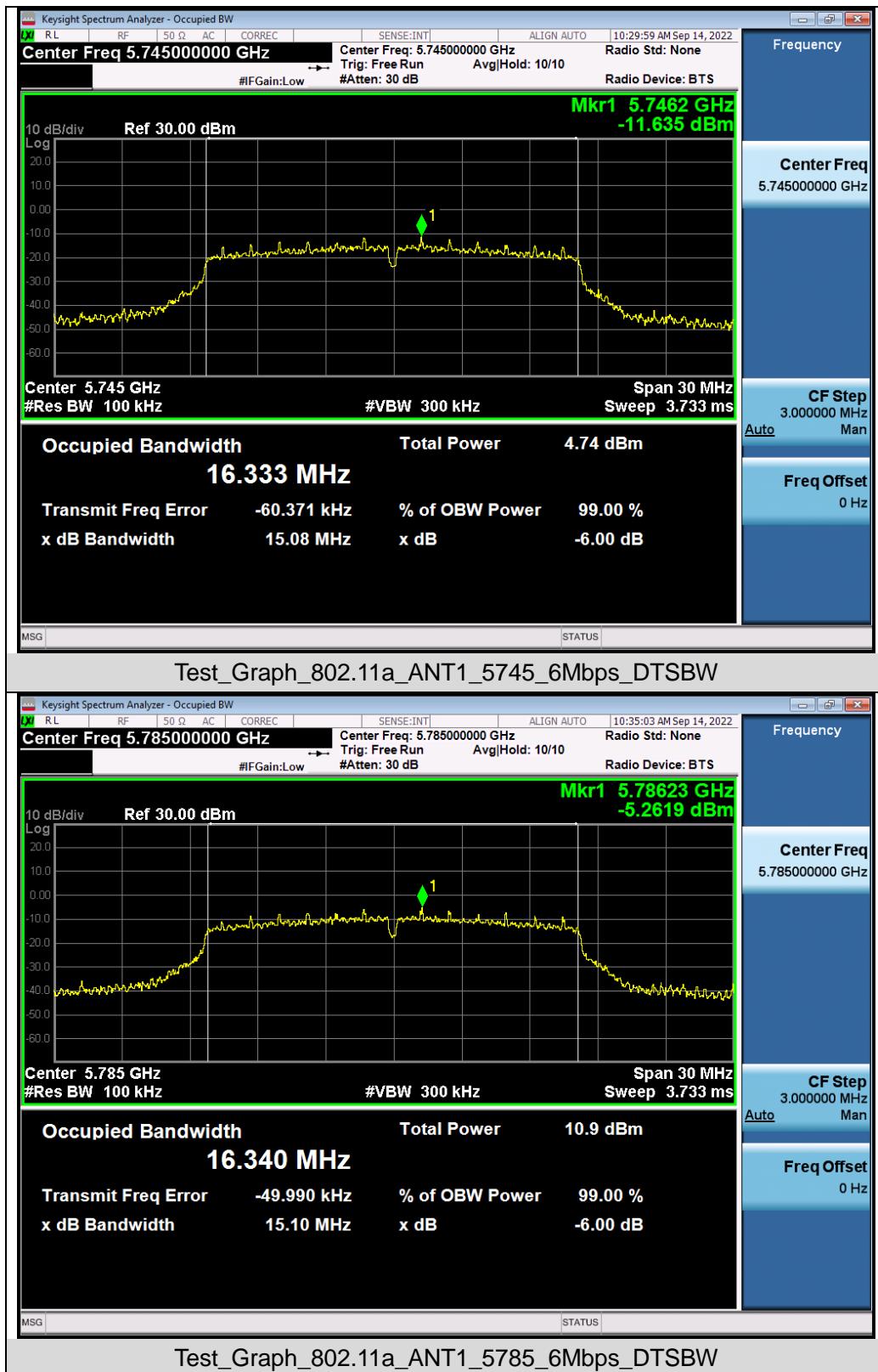
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Test Graphs of DTS Bandwidth for band 5.725-5.85 GHz

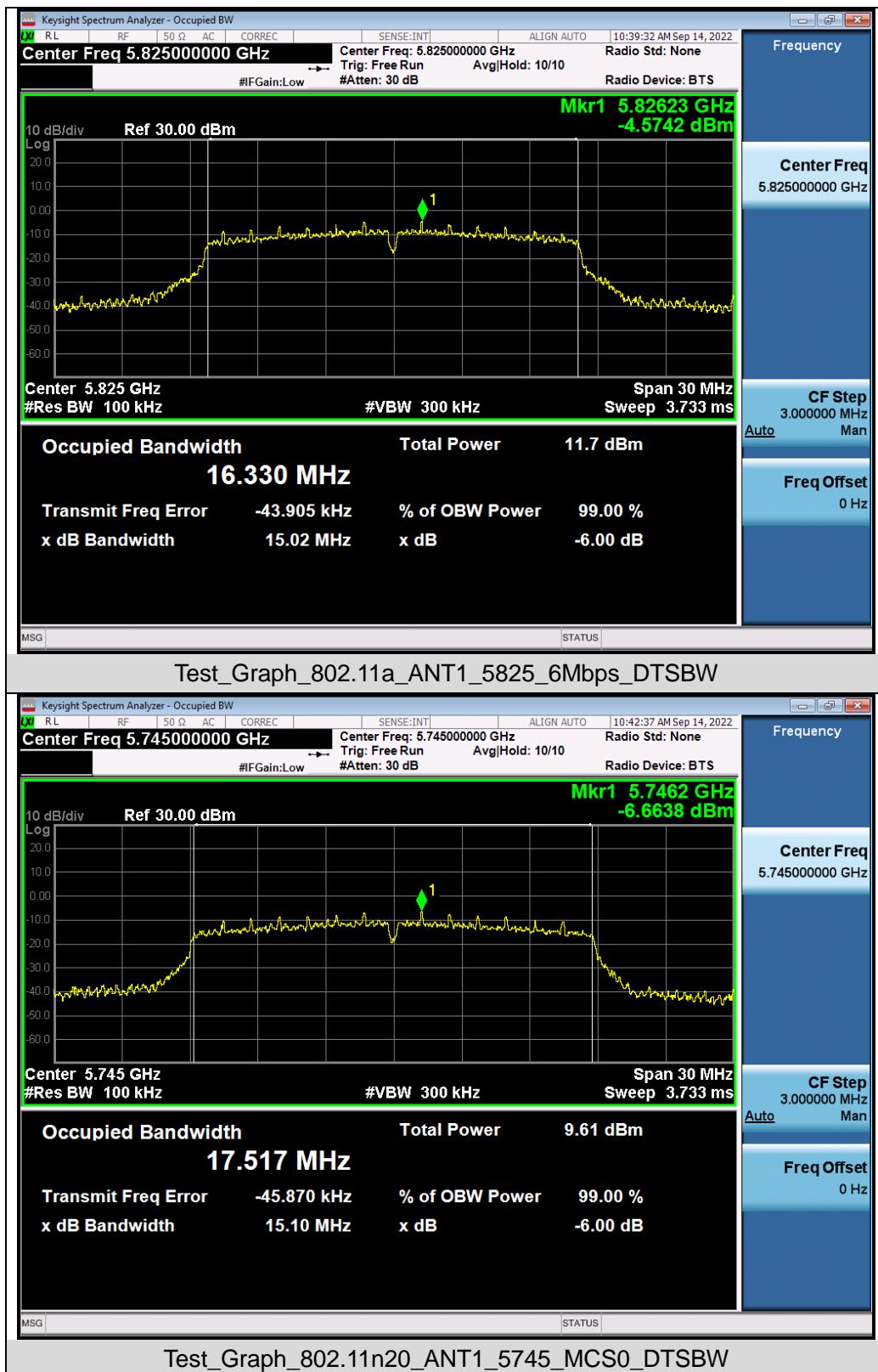


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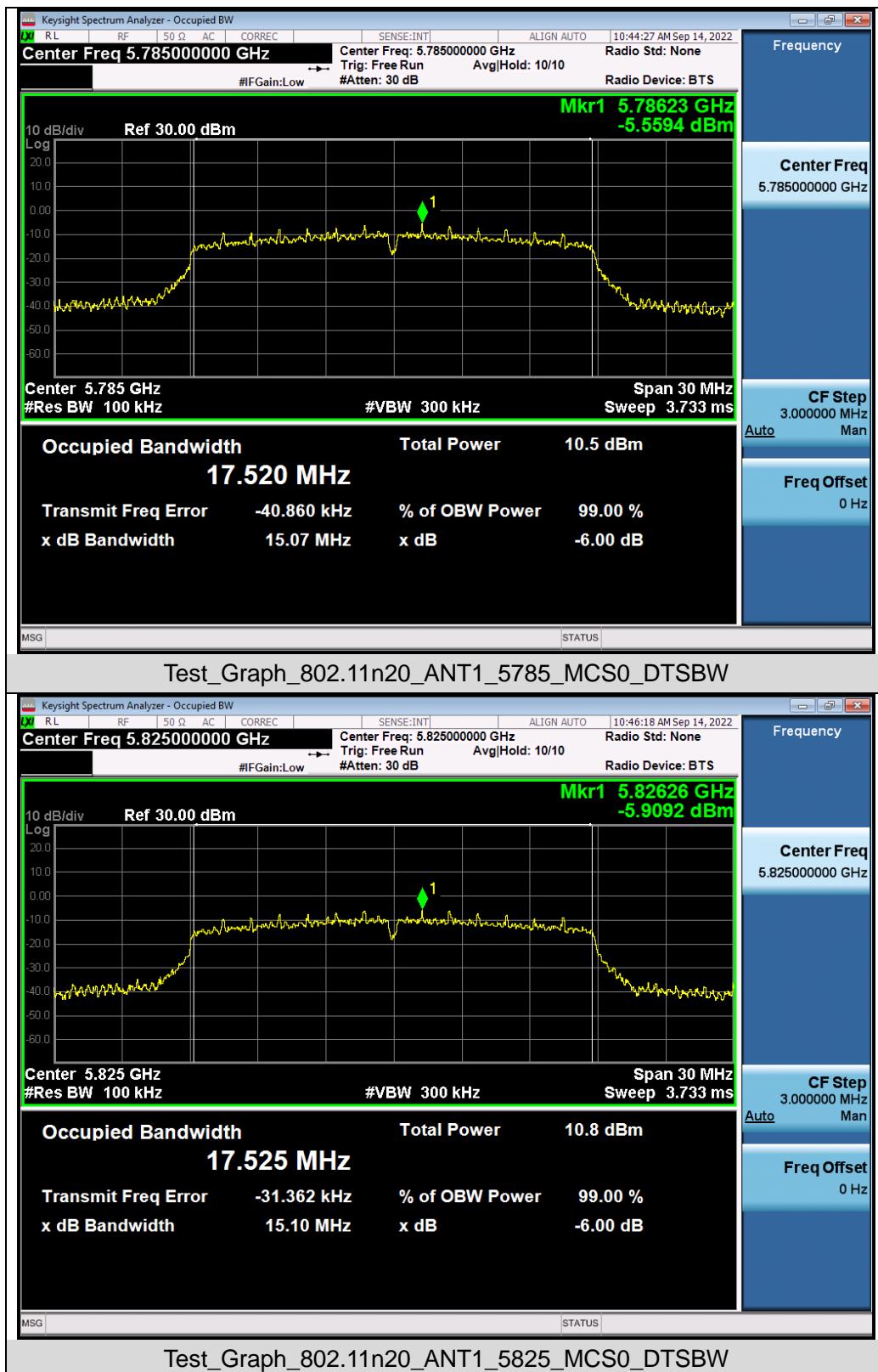


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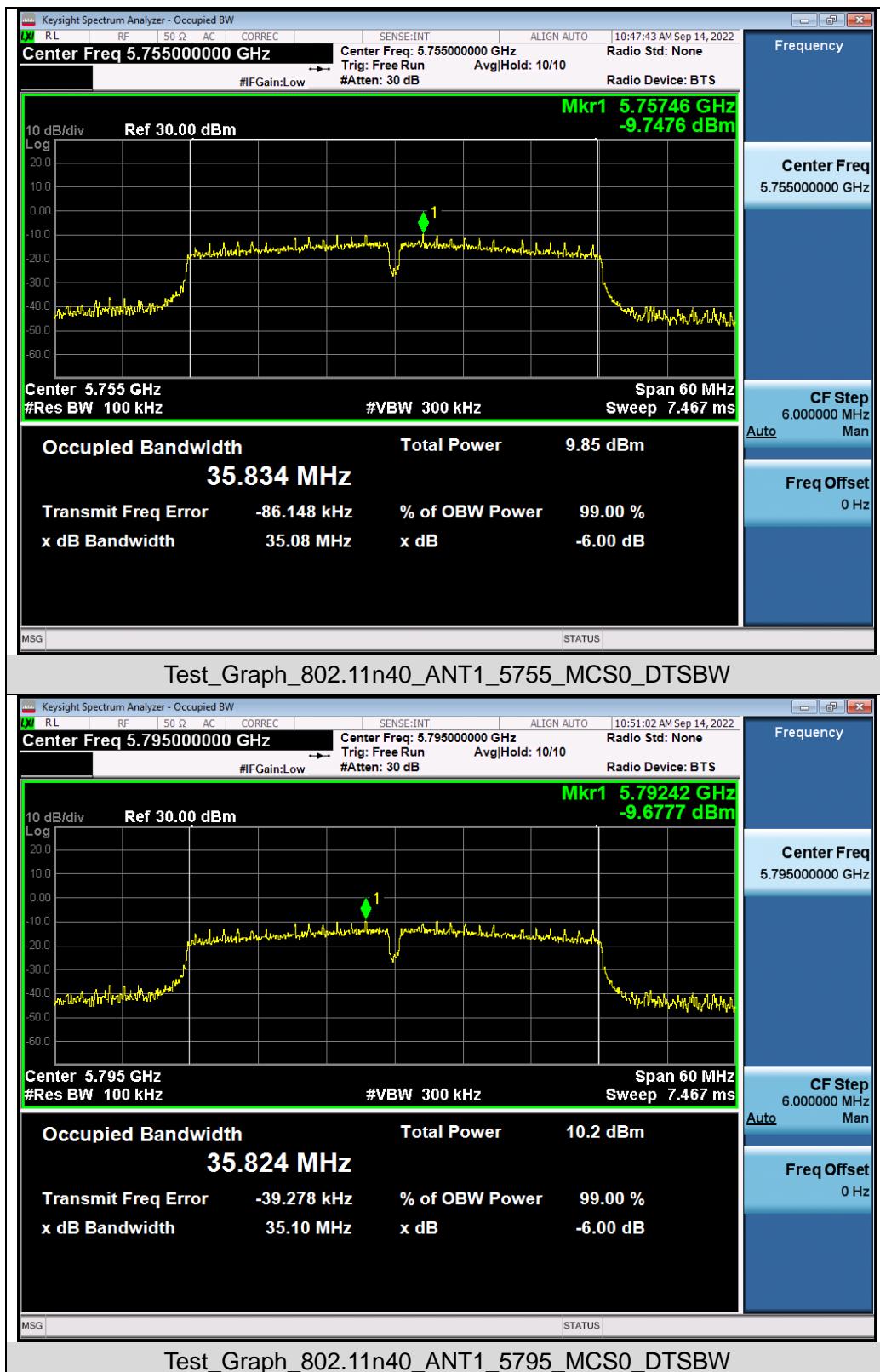


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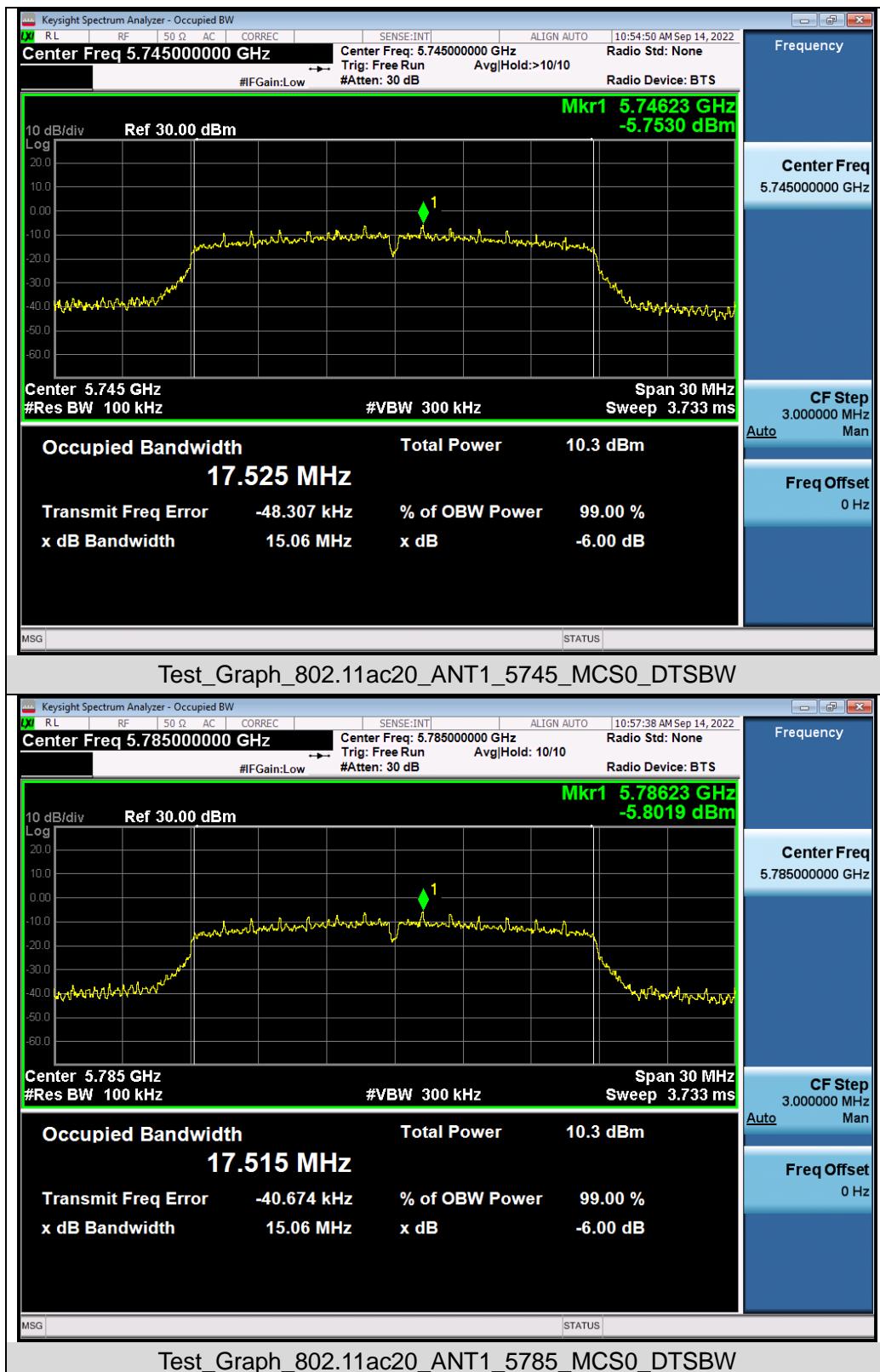


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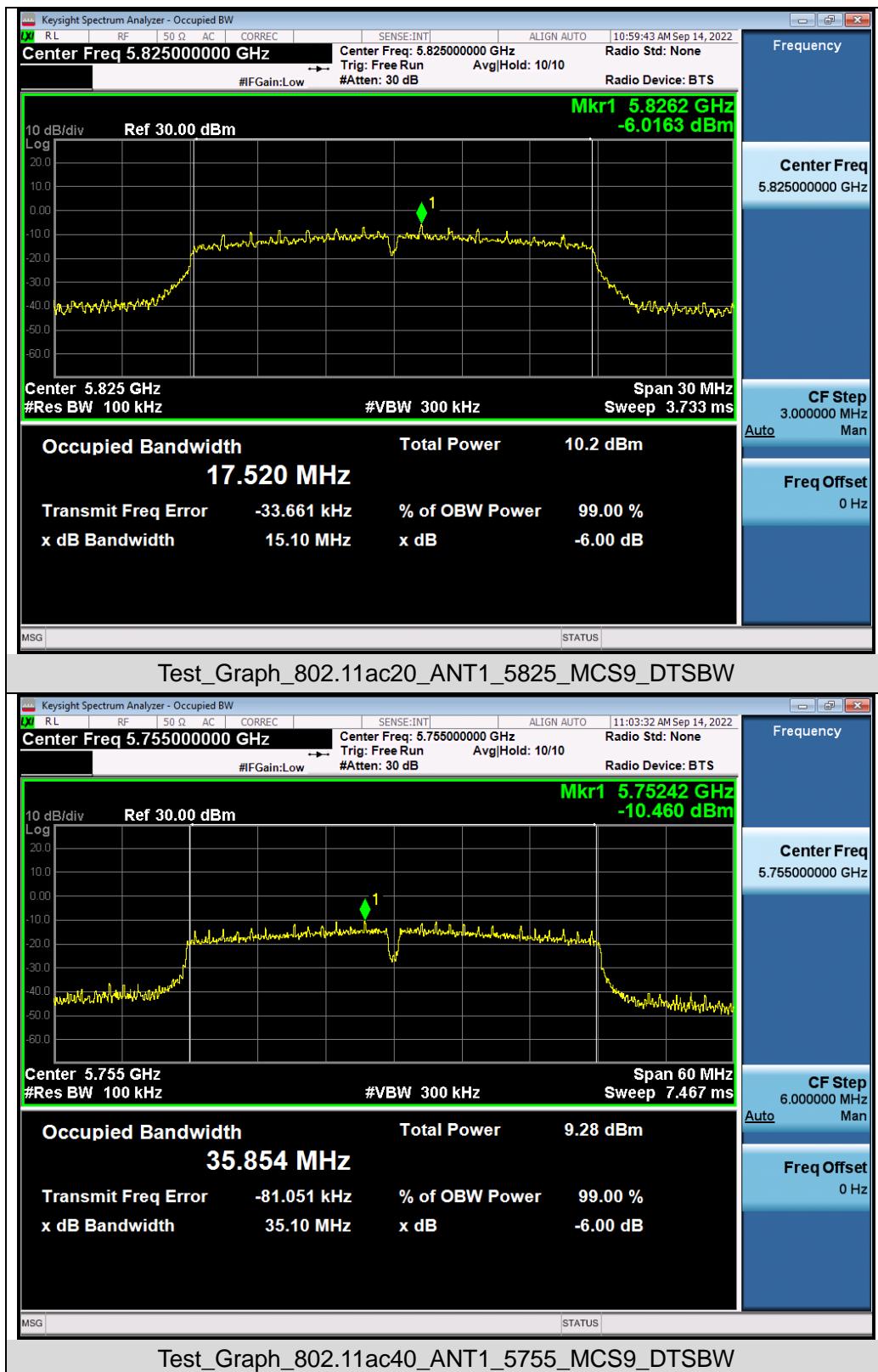


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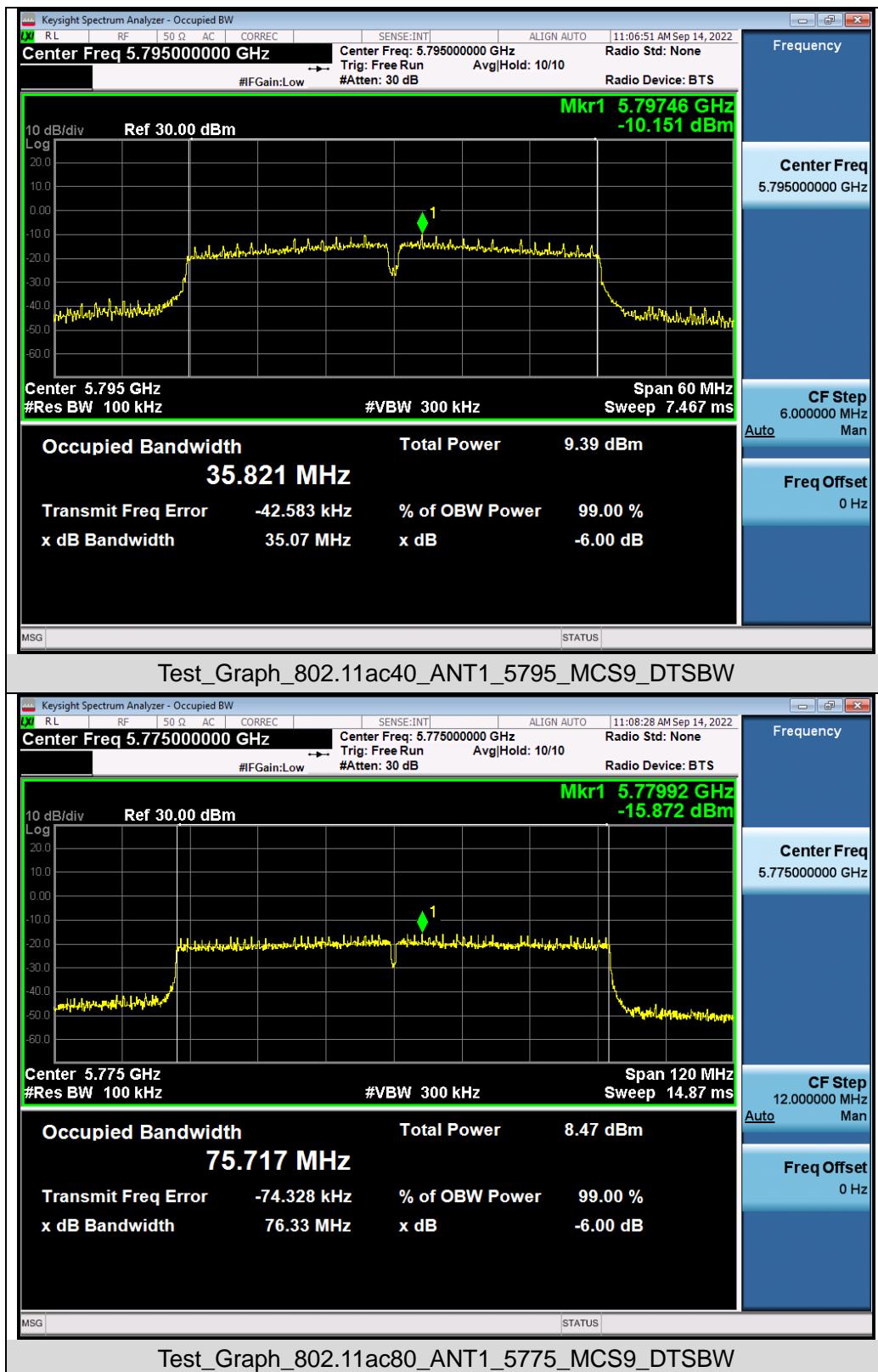


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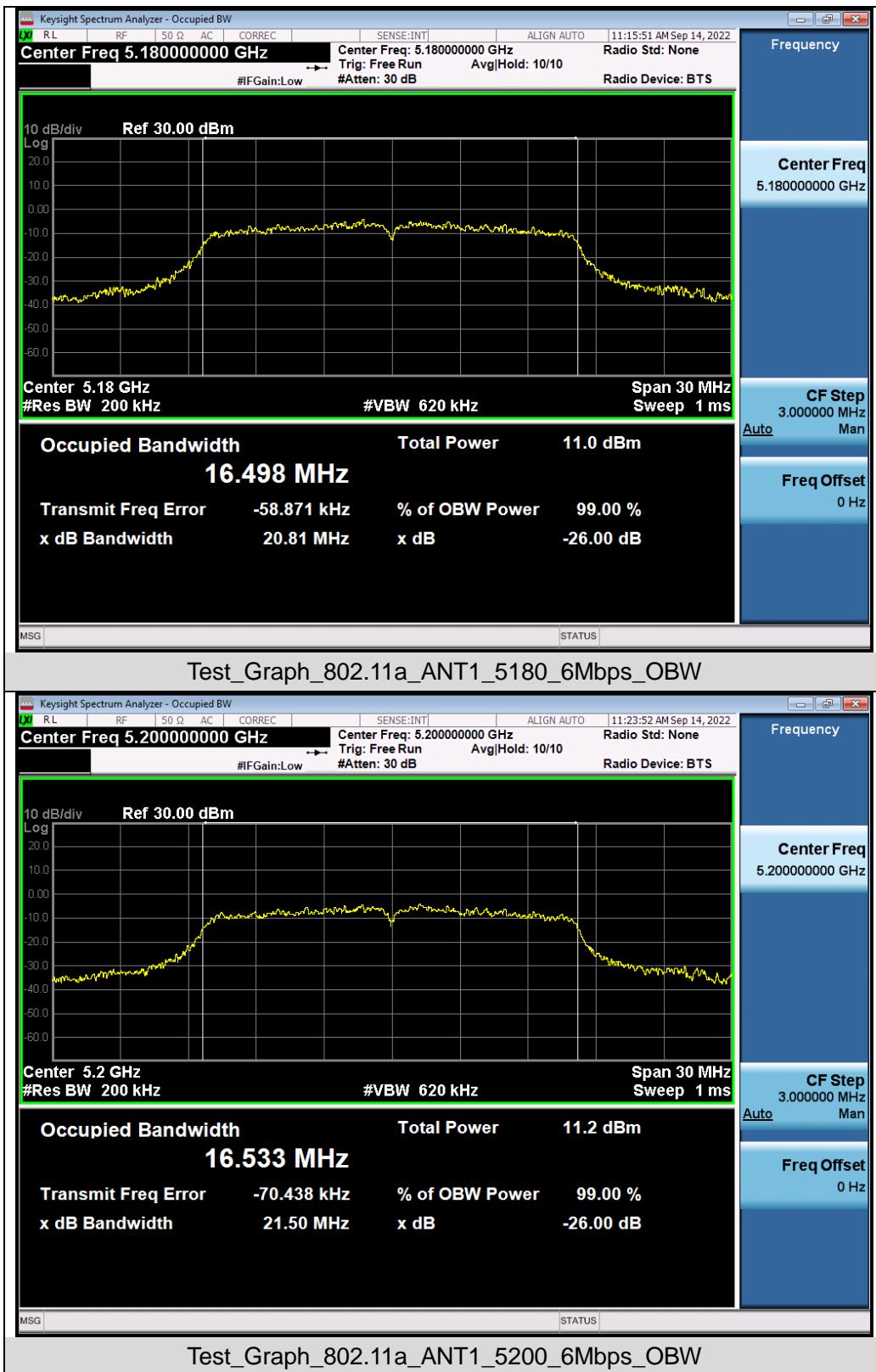
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Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz-ANT 2

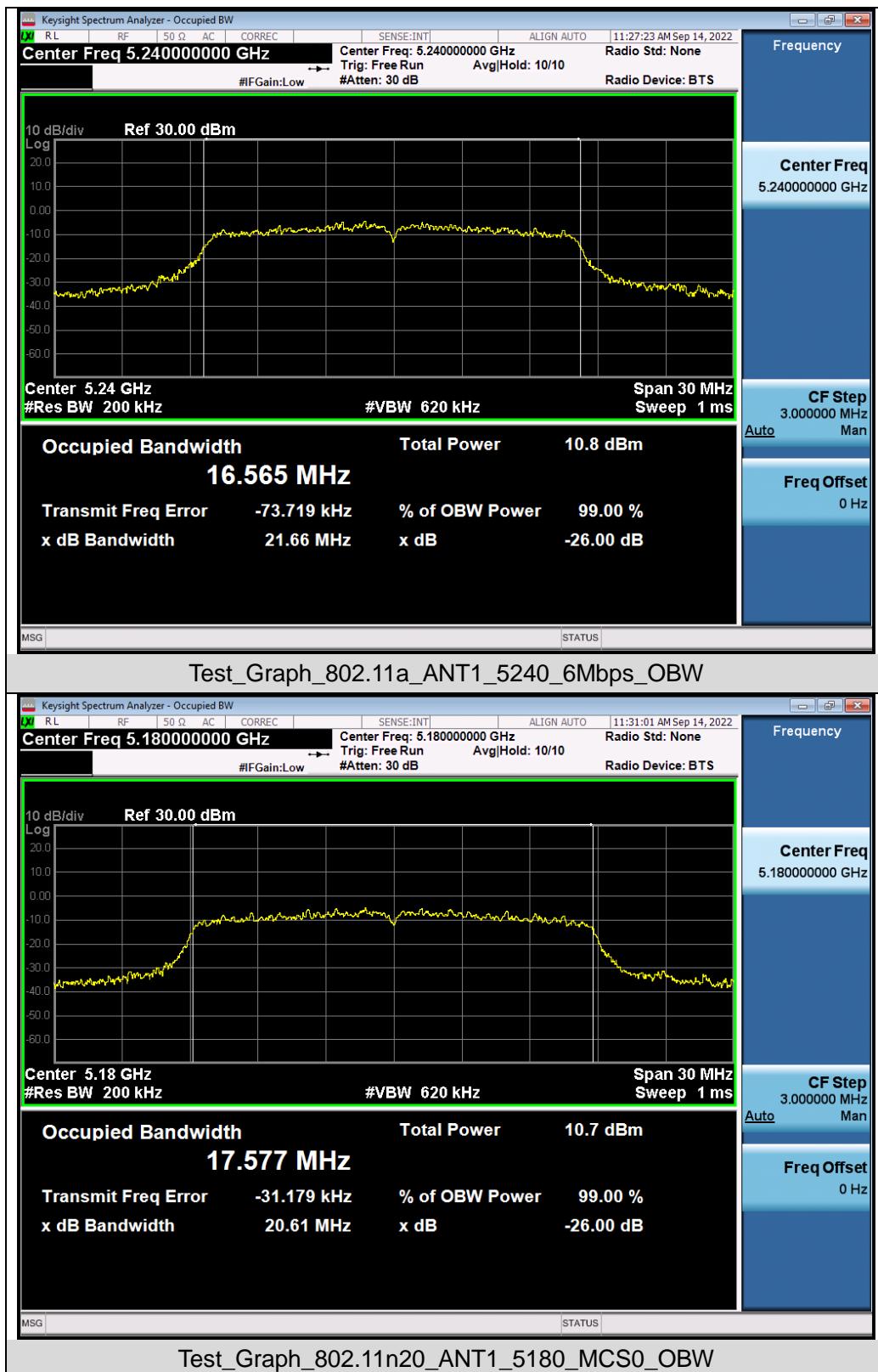


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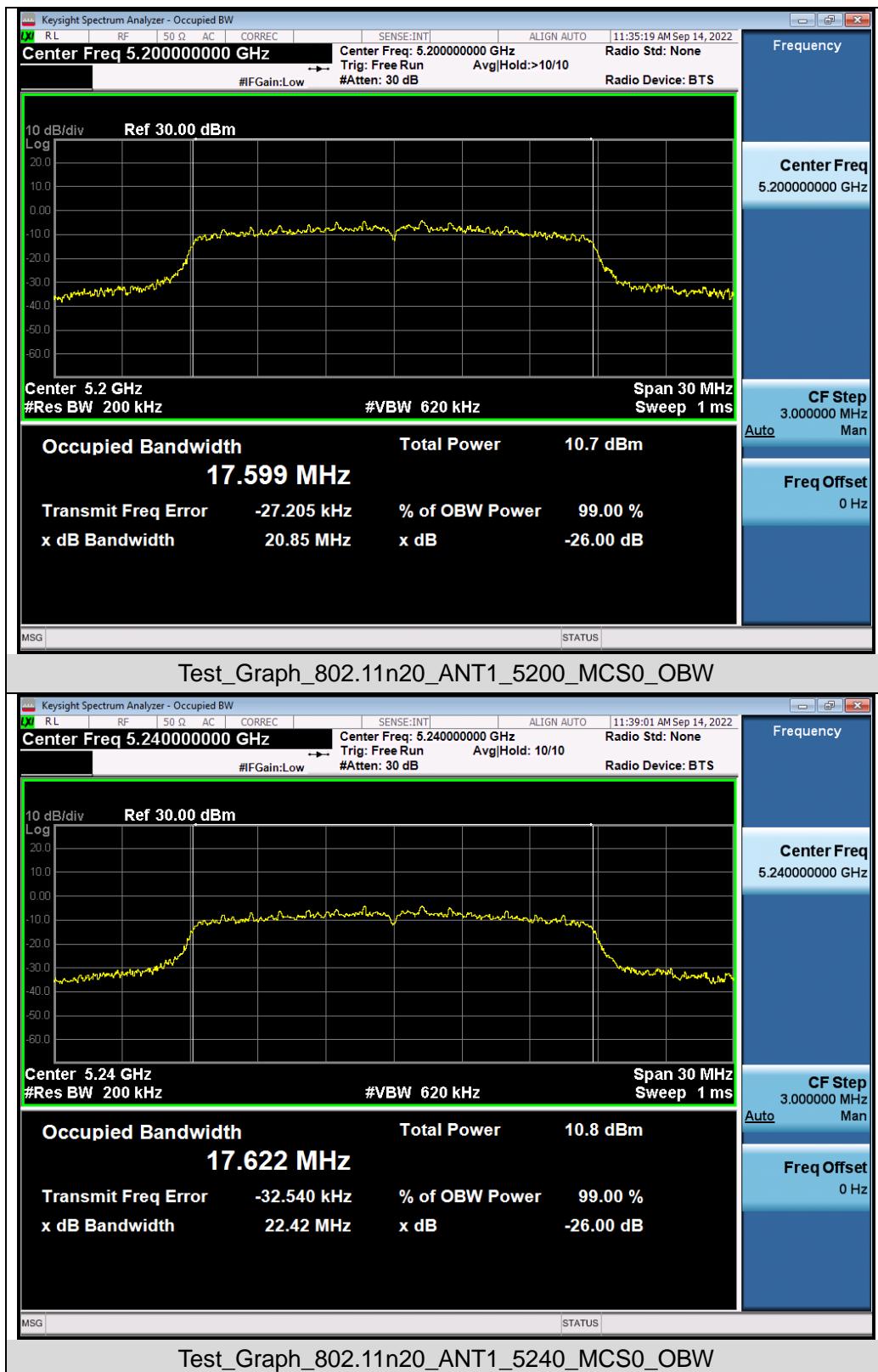


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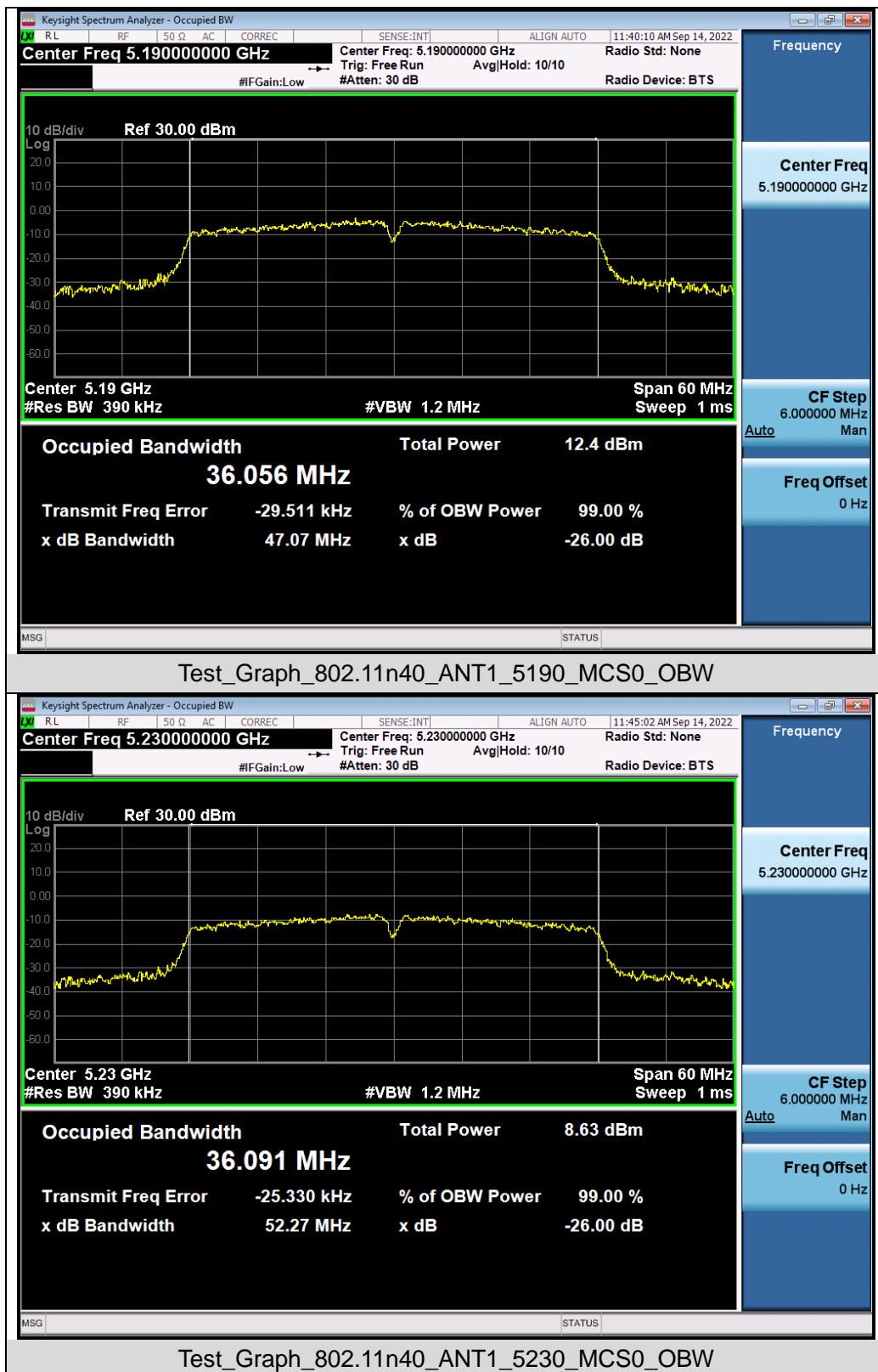


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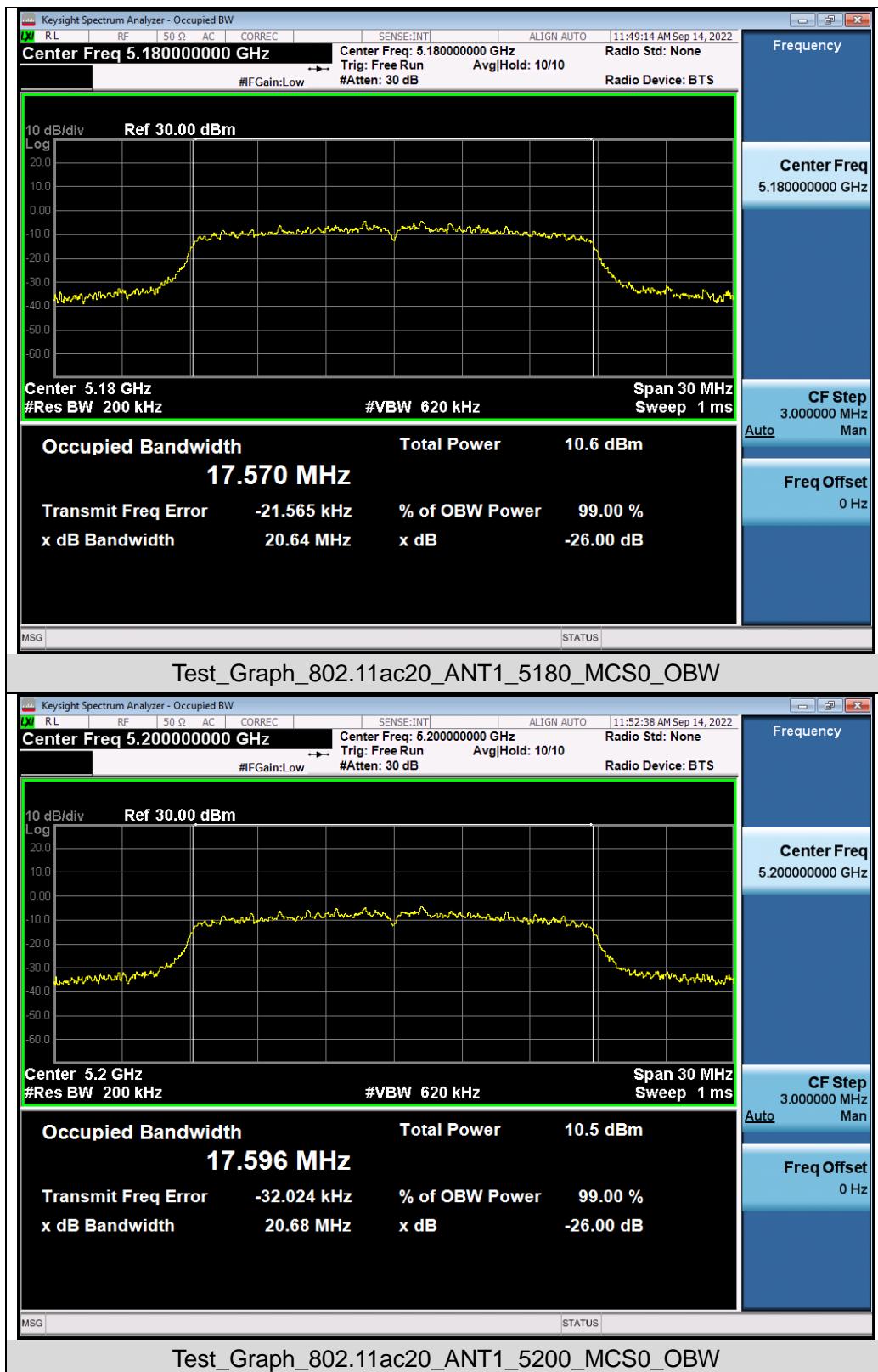


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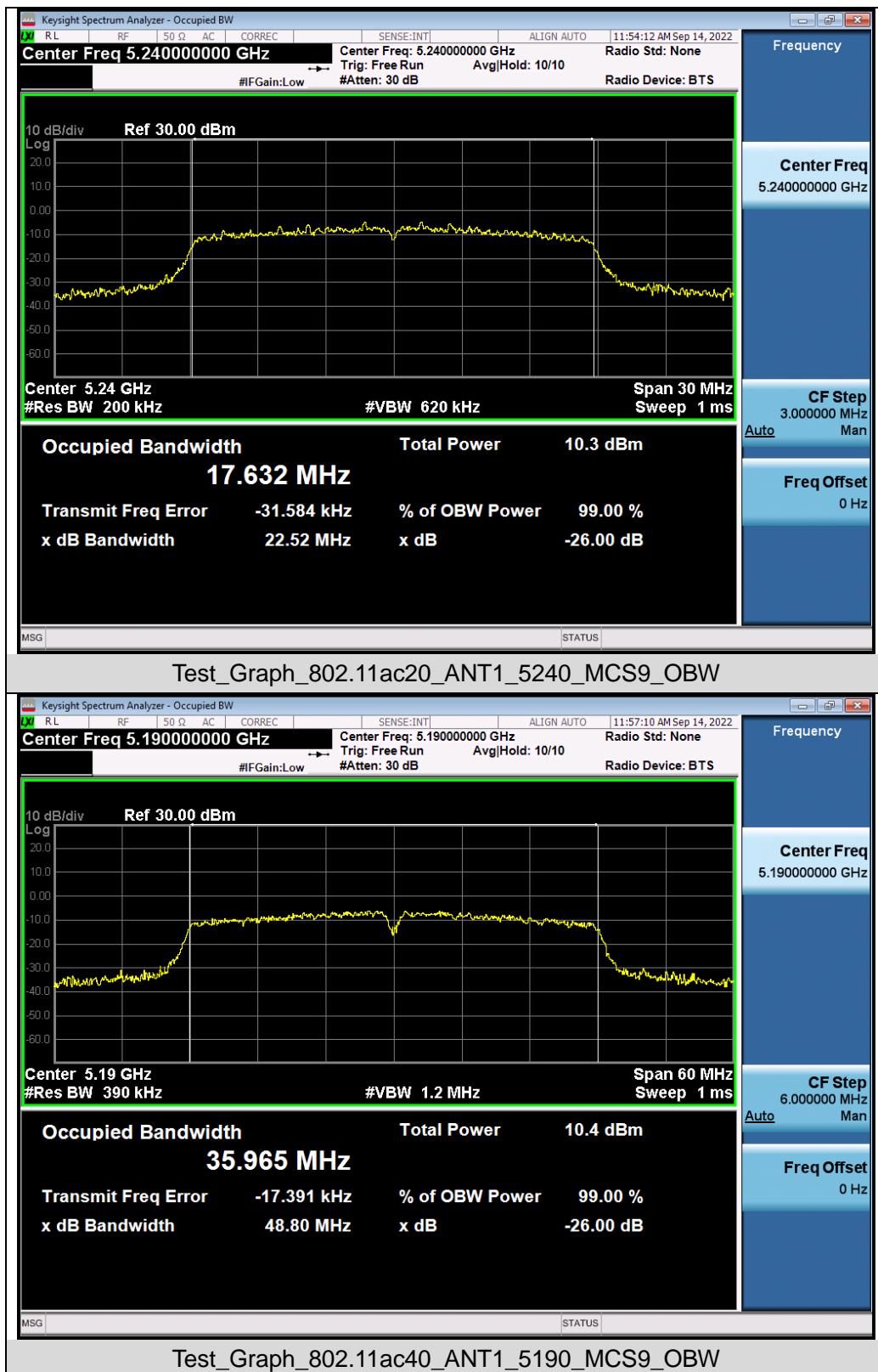


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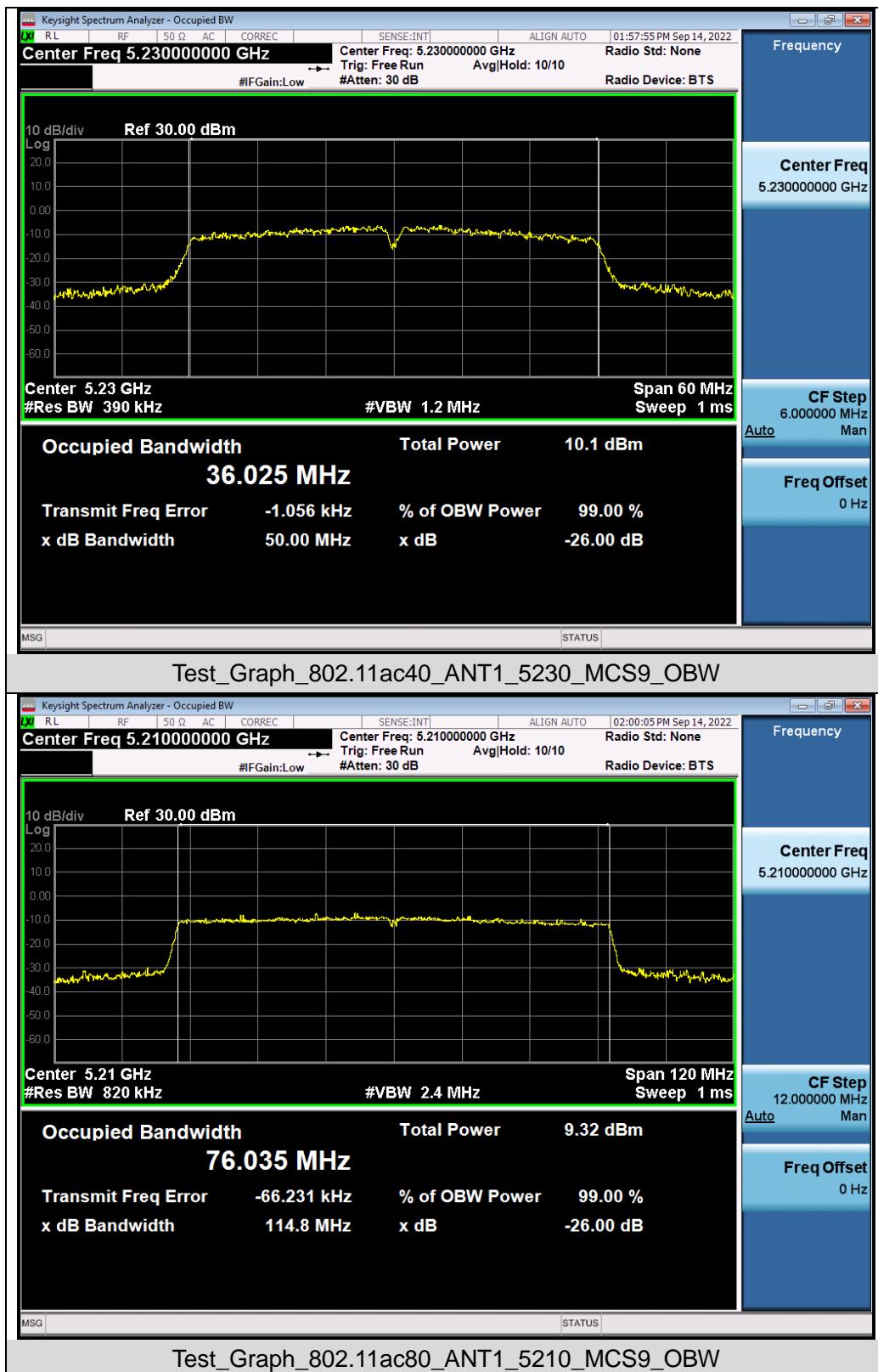


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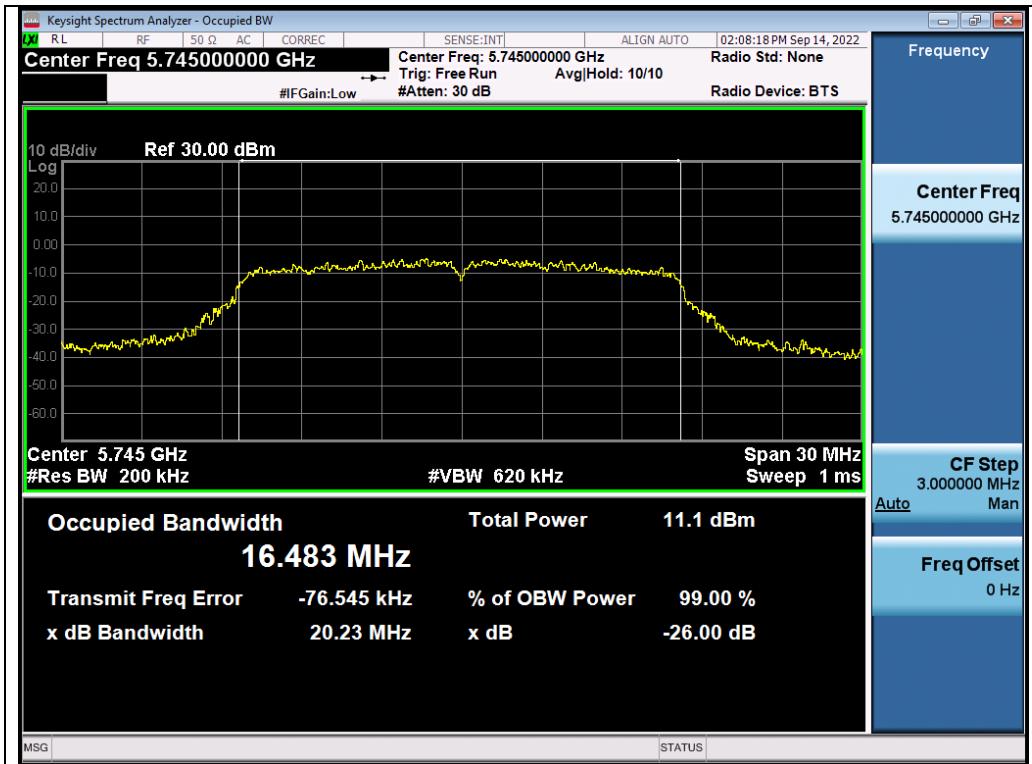
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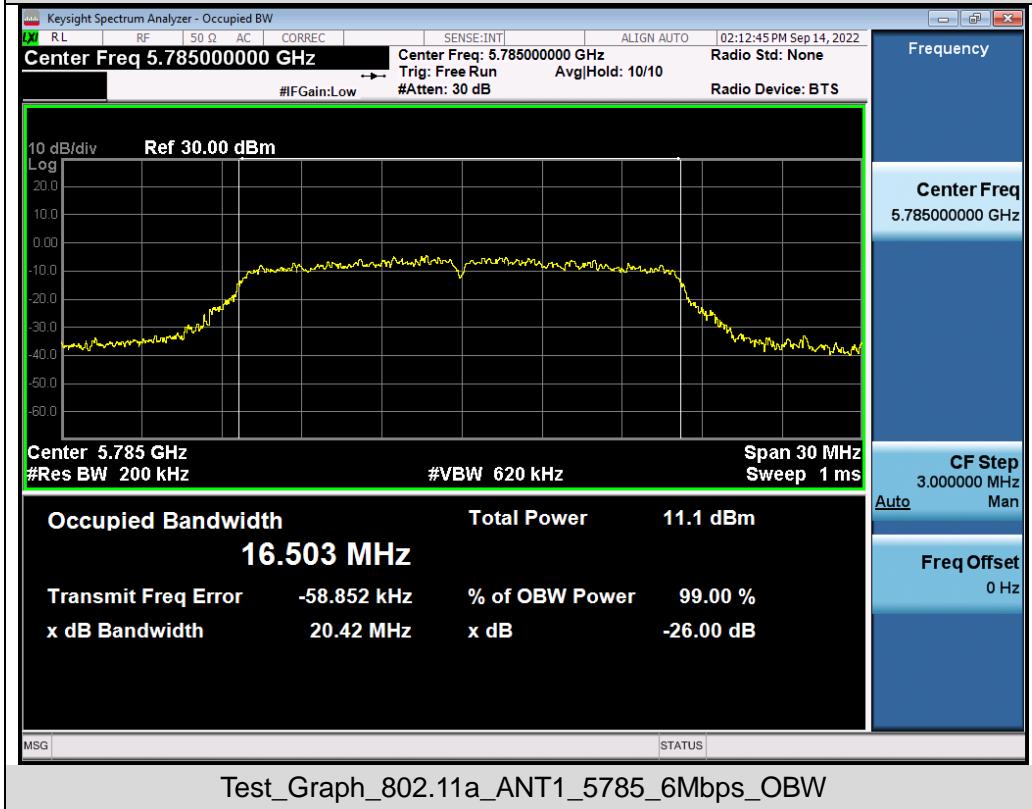
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Test Graphs of Occupied Bandwidth for band 5.725-5.85 GHz



Test_Graph_802.11a_ANT1_5745_6Mbps_OBW



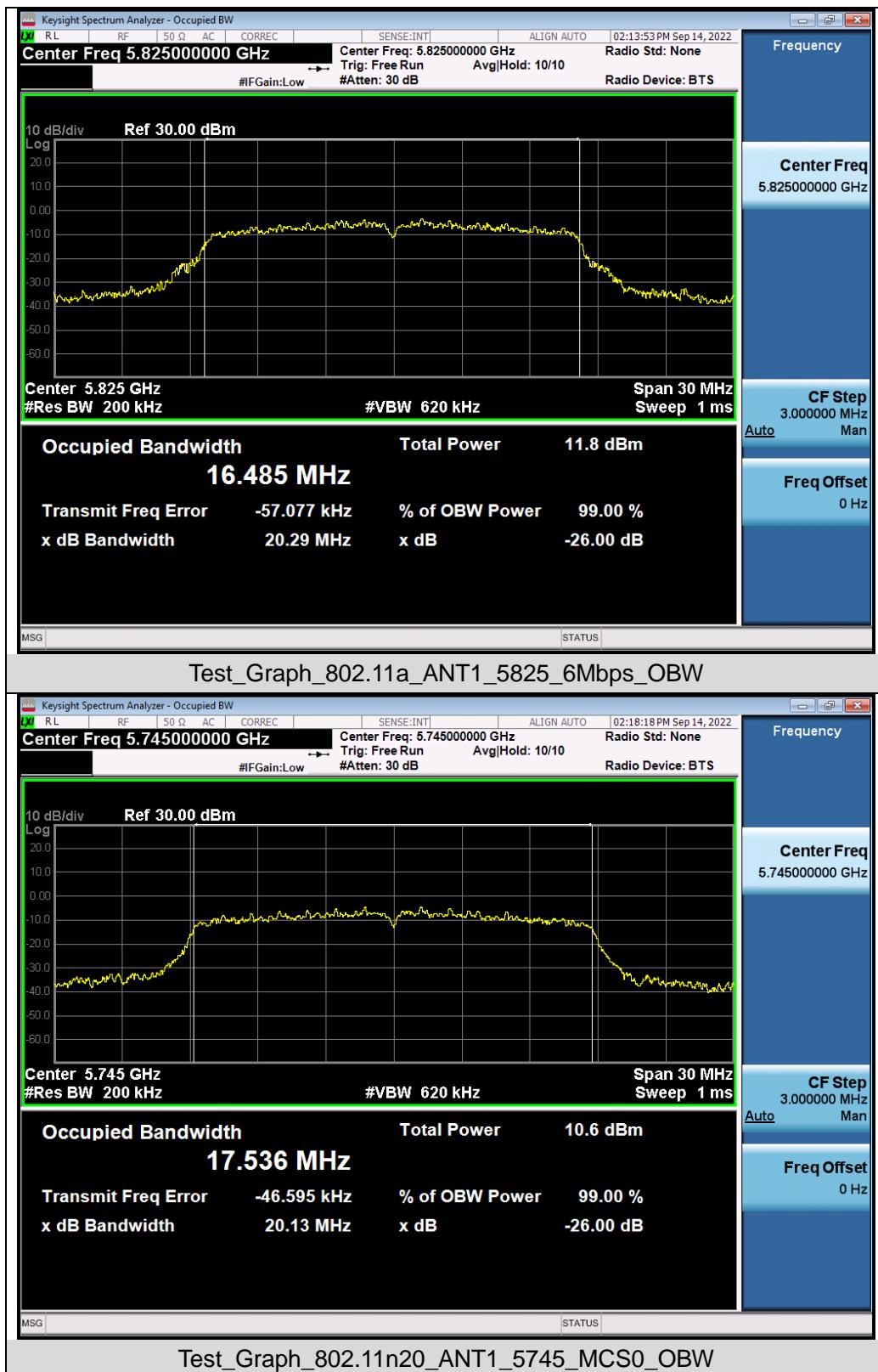
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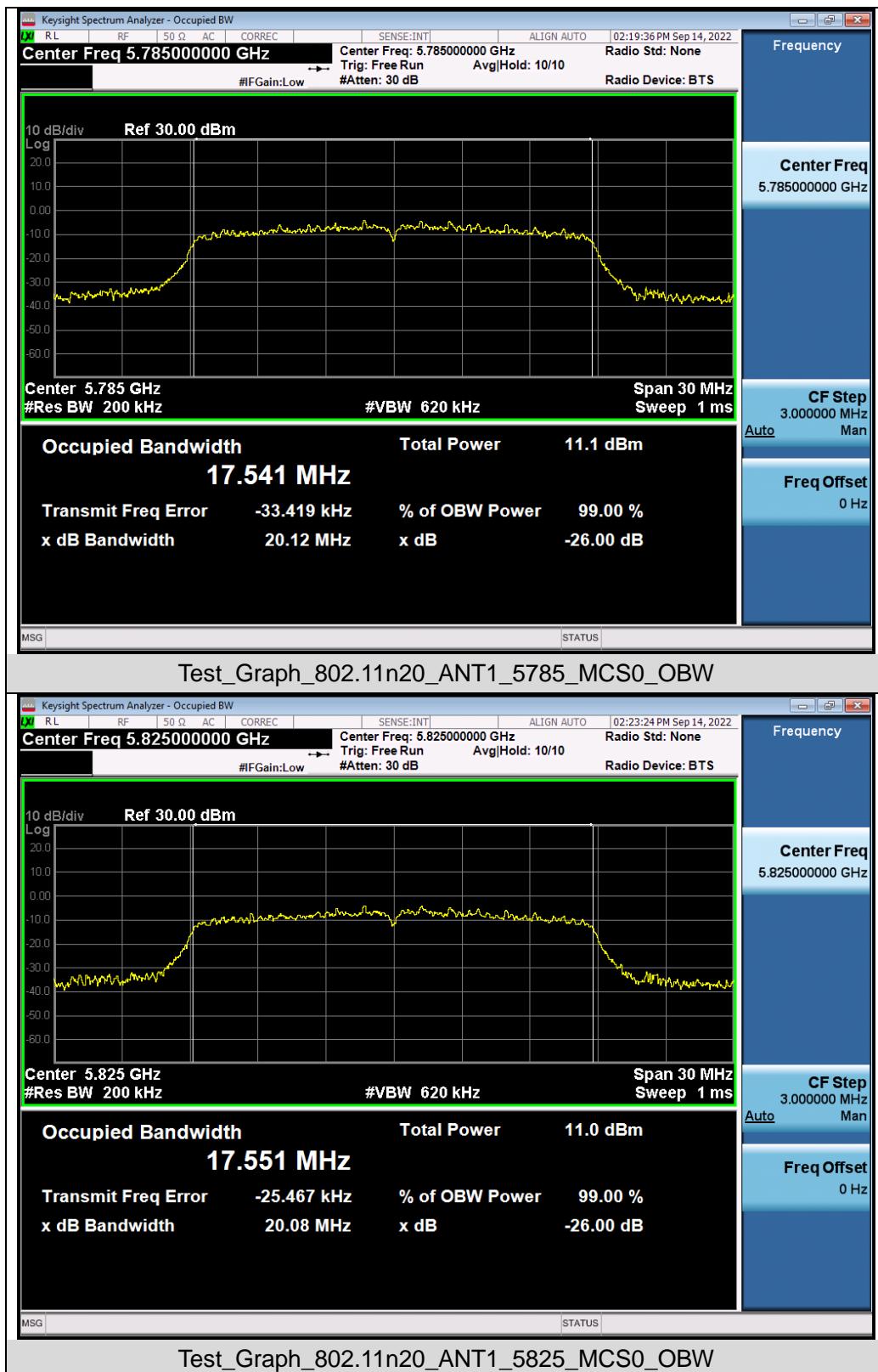


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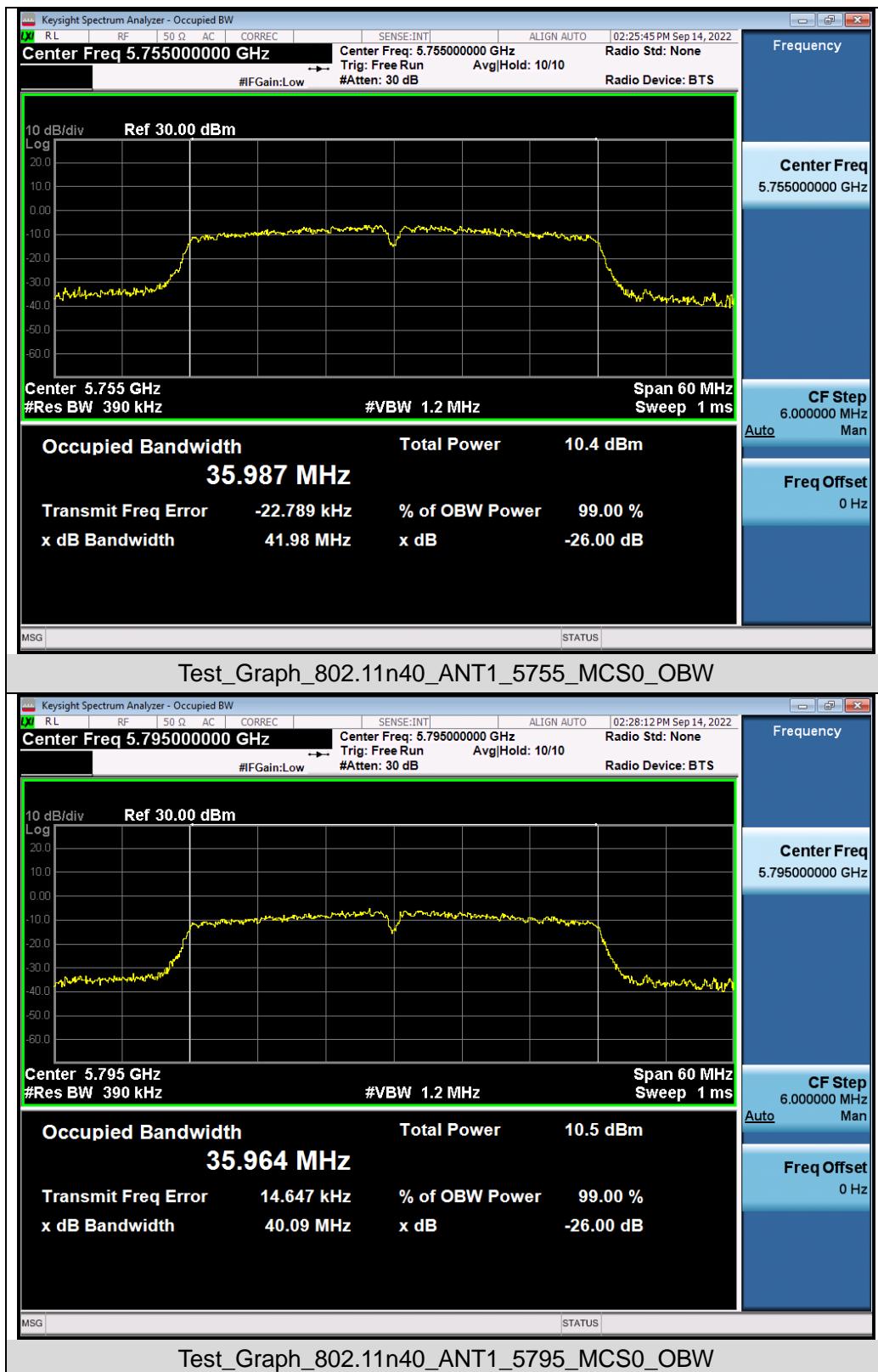


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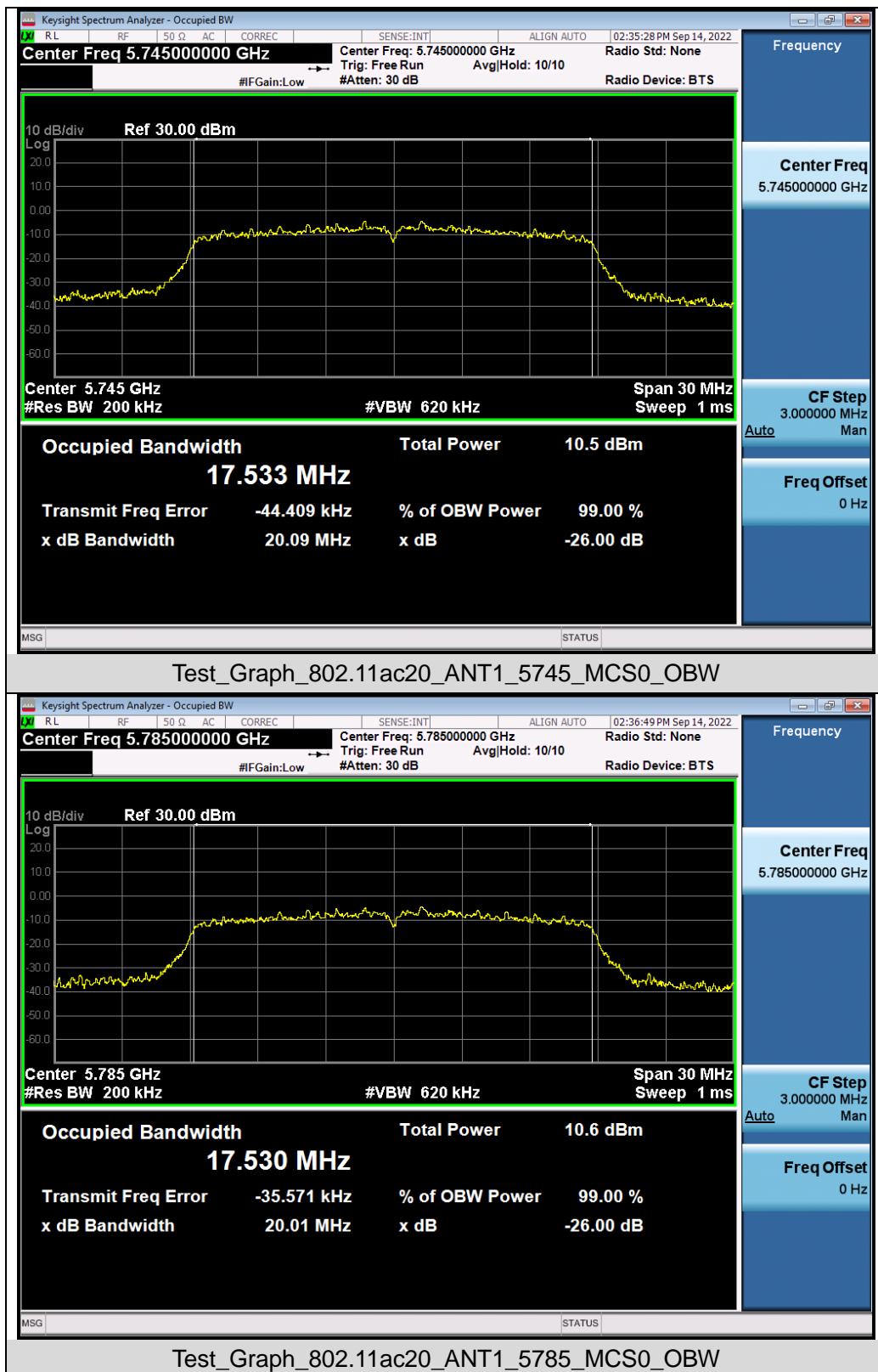


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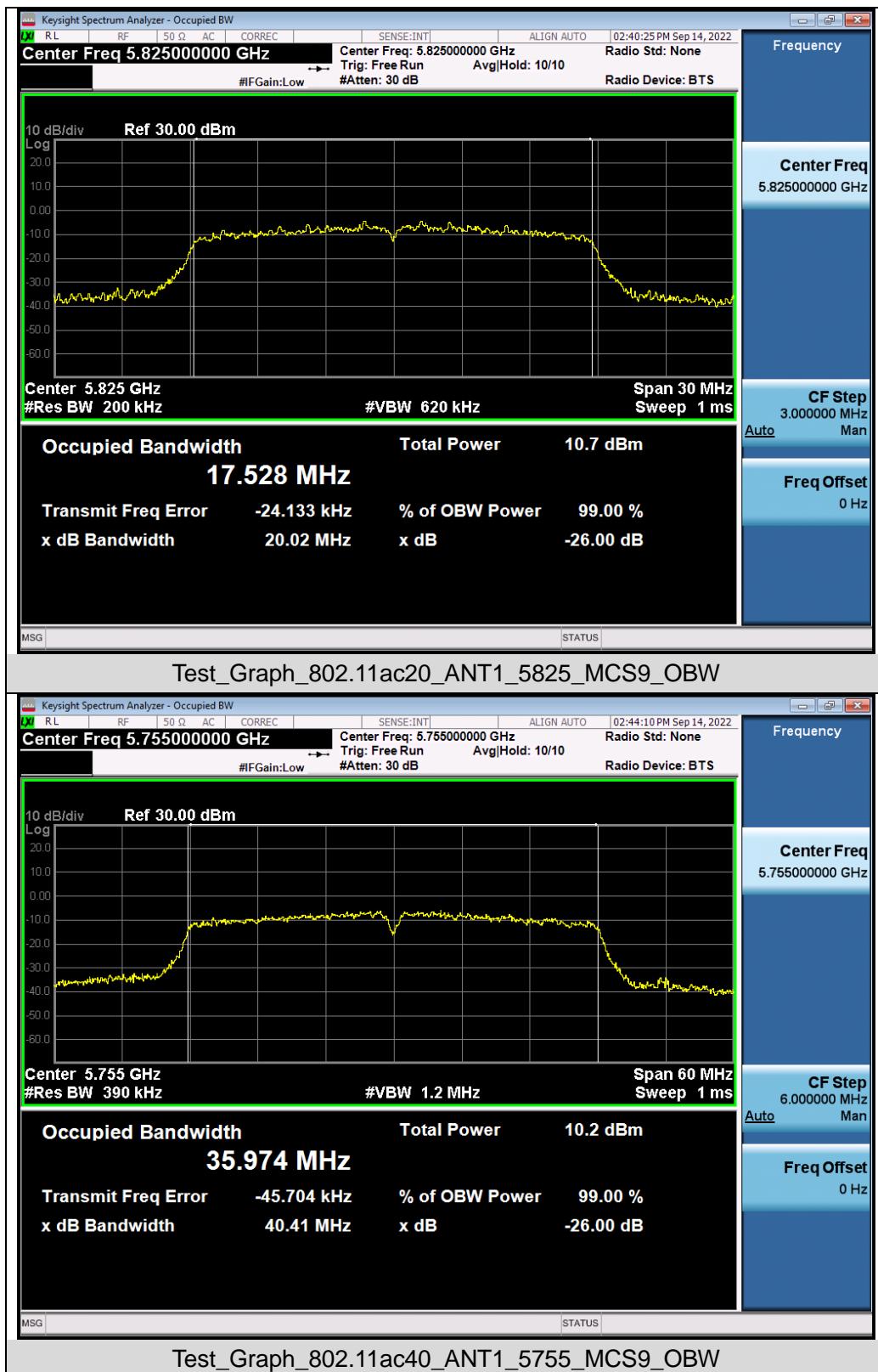


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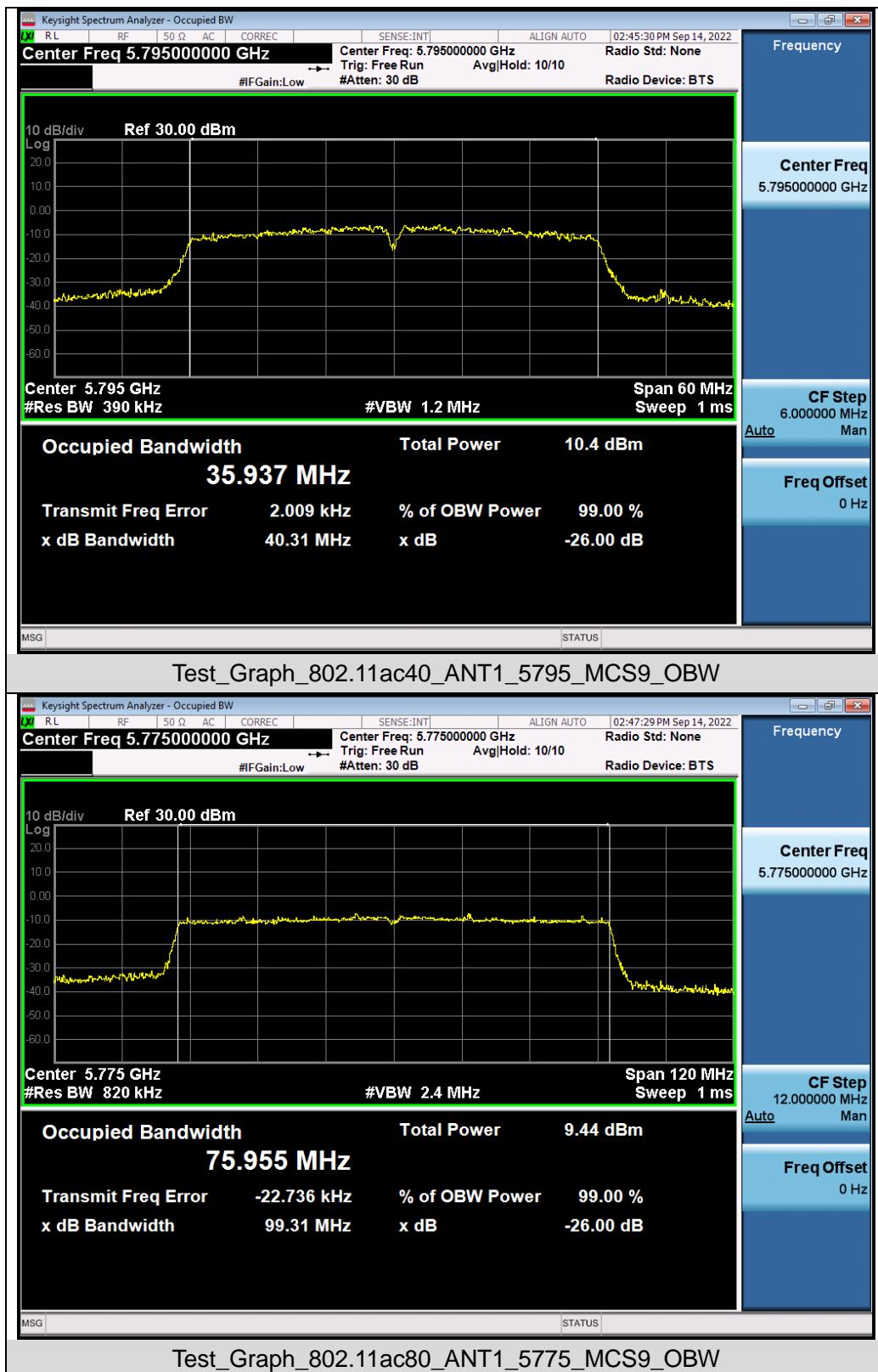


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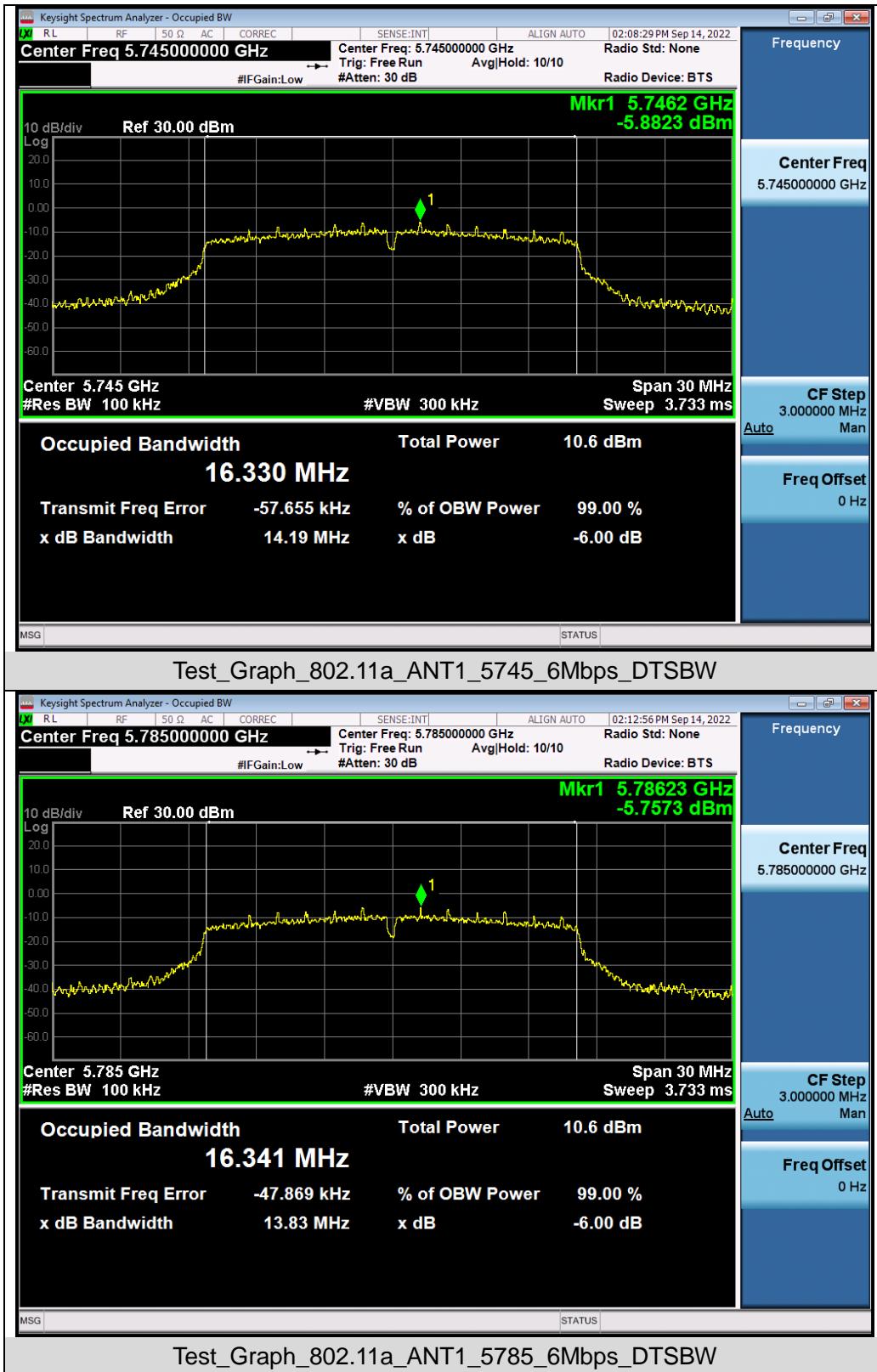
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Test Graphs of DTS Bandwidth for band 5.725-5.85 GHz



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