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# FCC Test Report

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Report No.: AGC12845221006FE07

**FCC ID** : 2A9RD-SVBR01CL  
**APPLICATION PURPOSE** : Original Equipment  
**PRODUCT DESIGNATION** : Cleaning Robot  
**BRAND NAME** : Sveabot  
**MODEL NAME** : SVBR01CL  
**APPLICANT** : Sveabot Tek AB  
**DATE OF ISSUE** : Jan. 17, 2023  
**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	/	Jan. 17, 2023	Valid	Initial Release

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**1. VERIFICATION OF CONFORMITY**

<b>Applicant</b>	Sveabot Tek AB
<b>Address</b>	Hogmossevangen 11, SE-641 39, Katrineholm, Sweden
<b>Manufacturer</b>	Sveabot Tek AB
<b>Address</b>	Hogmossevangen 11, SE-641 39, Katrineholm, Sweden
<b>Factory</b>	FJ Dynamics Technology (Fujian) Co., Ltd.
<b>Address</b>	Unit 3, Yimei Zhineng Industrial Park, No. 30 Zhihui Avenue, Nanyu Town, Gaoxin District, Fuzhou City, Fujian Province, China
<b>Product Designation</b>	Cleaning Robot
<b>Brand Name</b>	Sveabot
<b>Test Model</b>	SVBR01CL
<b>Test Model</b>	Nov. 17, 2022
<b>Date of receipt of test item</b>	Nov. 21, 2022 to Jan. 17, 2023
<b>Deviation</b>	No any deviation from the test method
<b>Condition of Test Sample</b>	Normal
<b>Test Result</b>	Pass
<b>Report Template</b>	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)

Jan. 17, 2023

Reviewed By



Calvin Liu  
(Reviewer)

Jan. 17, 2023

Approved By



Max Zhang  
(Authorized Officer)

Jan. 17, 2023

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## 2. GENERAL INFORMATION

### 2.1. PRODUCT DESCRIPTION

The EUT is designed as “Cleaning Robot”. 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

<b>Equipment Type</b>	<input type="checkbox"/> Outdoor access points <input type="checkbox"/> Indoor access points <input type="checkbox"/> Fixed P2P access points <input checked="" type="checkbox"/> Client devices
<b>Operation Frequency</b>	<input checked="" type="checkbox"/> U-NII 1:5150MHz~5250MHz <input type="checkbox"/> U-NII 2A: 5250MHz~5350MHz <input type="checkbox"/> U-NII 2C:5470MHz~5725MHz <input checked="" type="checkbox"/> U-NII 3: 5725MHz~5850MHz
<b>DFS Design Type</b>	<input type="checkbox"/> Master <input type="checkbox"/> Slave with radar detection <input checked="" type="checkbox"/> Slave without radar detection
<b>TPC Function</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Hardware Version</b>	V1.0
<b>Software Version</b>	V1.0
<b>Test Frequency Range:</b>	For 802.11a/n-HT20-VHT20: 5180~5240MHz, 5745~5825MHz For 802.11n-HT40-HE 40: 5190~5230MHz, 5755~5795MHz For 802.11ac-VHT80-HE80: 5210MHz, 5775MHz
<b>Output Power</b>	IEEE 802.11a(HT20):12.53dBm; IEEE 802.11n(HT20):12.12dBm; IEEE802.11n(HT40):11.51dBm; IEEE 802.11ac(VHT20):11.15dBm; IEEE802.11ac(VHT40):9.95dBm; IEEE802.11ac(VHT80):9.57dBm
<b>Modulation</b>	802.11a/n:(64-QAM, 16-QAM, QPSK, BPSK) OFDM 802.11ac :(256-QAM, 64-QAM, 16-QAM, QPSK, BPSK) OFDM
<b>Data Rate</b>	802.11a: 6/9/12/18/24/36/48/54Mbps; 802.11n: up to 300Mbps; 802.11ac: up to 866.6Mbps;
<b>Number of channels</b>	7 channels of U-NII-1 Band 8 channels of U-NII-3 Band
<b>Antenna Designation</b>	FPC antenna (Comply with requirements of the FCC part 15.203)
<b>Antenna Gain</b>	3.41dBi
<b>Power Supply</b>	DC 50.4V by battery or DC 58.8V by adapter

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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), 802.11ax (HE20):**

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), 802.11ax (HE40):**

Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz

**1 channel is provided for 802.11ac (VHT80), 802.11ax (VHT80):**

Channel	Frequency	Channel	Frequency
42	5210 MHz	--	--

**For 5745~5825MHz:**

**5 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20) , 802.11ax (HE20):**

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) , 802.11ax (HE40):**

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

**1 channel is provided for 802.11ac (VHT80) , 802.11ax (HE80):**

Channel	Frequency	Channel	Frequency
155	5775 MHz	--	--

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

This submittal(s) (test report) is intended for **FCC ID: 2A9RD-SVBR01CL** 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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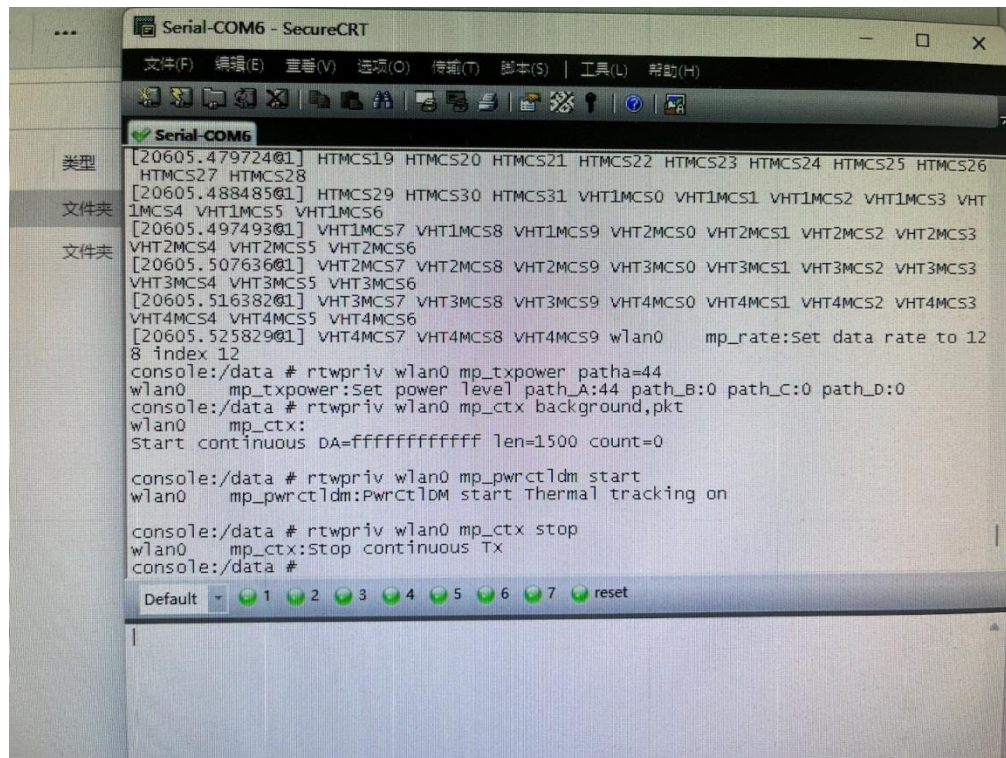
#### 4. DESCRIPTION OF TEST MODES

Mode	Available channel	Tested channel	Modulation	Date rate (Mbps)
802.11a/n/ac20	36,40,44,48, 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



```

Serial-COM6 - SecureCRT
文件(F) 编辑(E) 查看(V) 选项(O) 传输(T) 脚本(S) | 工具(L) 帮助(H)

Serial-COM6
类型 [20605.479724@1] HTMCS19 HTMCS20 HTMCS21 HTMCS22 HTMCS23 HTMCS24 HTMCS25 HTMCS26
HTMCS27 HTMCS28
[20605.488485@1] HTMCS29 HTMCS30 HTMCS31 VHT1MCS0 VHT1MCS1 VHT1MCS2 VHT1MCS3 VHT
1MCS4 VHT1MCS5 VHT1MCS6
[20605.497493@1] VHT1MCS7 VHT1MCS8 VHT1MCS9 VHT2MCS0 VHT2MCS1 VHT2MCS2 VHT2MCS3
VHT2MCS4 VHT2MCS5 VHT2MCS6
[20605.507636@1] VHT2MCS7 VHT2MCS8 VHT2MCS9 VHT3MCS0 VHT3MCS1 VHT3MCS2 VHT3MCS3
VHT3MCS4 VHT3MCS5 VHT3MCS6
[20605.516382@1] VHT3MCS7 VHT3MCS8 VHT3MCS9 VHT4MCS0 VHT4MCS1 VHT4MCS2 VHT4MCS3
VHT4MCS4 VHT4MCS5 VHT4MCS6
[20605.525829@1] VHT4MCS7 VHT4MCS8 VHT4MCS9 wlan0 mp_rate:Set data rate to 12
8 index 12
console:/data # rtwpriv wlan0 mp_txpower patha=44
wlan0 mp_txpower:Set power level path_A:44 path_B:0 path_C:0 path_D:0
console:/data # rtwpriv wlan0 mp_ctx background,pkt
wlan0 mp_ctx:
Start continuous DA=fffffffffff len=1500 count=0

console:/data # rtwpriv wlan0 mp_pwrctldm start
wlan0 mp_pwrctldm:PwrCtldm start Thermal tracking on

console:/data # rtwpriv wlan0 mp_ctx stop
wlan0 mp_ctx:Stop continuous Tx
console:/data #

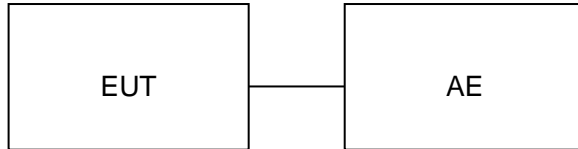
Default 1 2 3 4 5 6 7 reset
  
```

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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	Cleaning Robot	SVBR01CL	2A9RD-SVBR01CL	EUT
2	Bluetooth speaker	SRS-XB01	N/A	AE
3	Xiaomi router	R4A	N/A	AE
4	Adapter	FY58809500	Input: 100-240V, 50/60Hz, 7.5A Output: DC 58.8V, 9.5A	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

<b>Test Site</b>	Attestation of Global Compliance (Shenzhen) Co., Ltd
<b>Location</b>	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
<b>Designation Number</b>	CN1259
<b>FCC Test Firm Registration Number</b>	975832
<b>A2LA Cert. No.</b>	5054.02
<b>Description</b>	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, 2023
Test software	R&S	ES-K1	Ver V1.71	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	Aug. 04, 2022	Aug. 03, 2023
EXA Signal Analyzer	KEYSIGHT	N9020B	MY56101792	Aug. 04, 2022	Aug. 03, 2023
Power sensor	Aglient	U2021XA	MY54110007	Mar. 04, 2022	Mar. 02, 2023
5GHz Fliter	EM Electronics	5150-5880MHz	N/A	N/A	N/A
Attenuator	ZHINAN	E-002	N/A	Aug. 04, 2022	Aug. 03, 2024
Horn antenna	SCHWARZBECK	BBHA 9170	#768	Oct. 31, 2021	Oct. 30, 2023
Active loop antenna (9K-30MHz)	ZHINAN	ZN30900C	18051	Mar. 12, 2022	Mar. 21, 2024
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	Apr. 23, 2021	Apr. 22, 2023
Broadband Preamplifier	ETS LINDGREN	3117PA	00225134	Aug. 04, 2022	Aug. 03, 2024
ANTENNA	SCHWARZBECK	VULB9168	494	Jan. 08, 2021	Jan. 07, 2023
ANTENNA	SCHWARZBECK	VULB9168	494	Jan. 05, 2023	Jan. 04, 2025
Test software	Tonscend	JS32-RE	Ver.2.5	N/A	N/A

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## 7. MAXIMUM CONDUCTED OUTPUT POWER

### 7.1. MEASUREMENT PROCEDURE

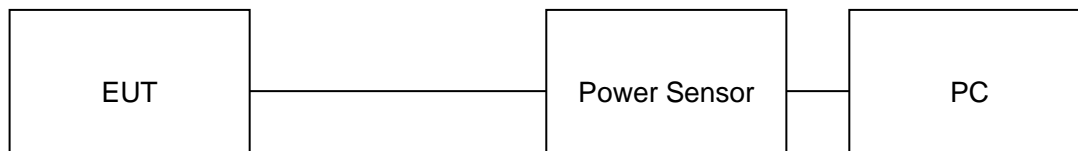
For average power test:

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	12.29	23.98	Pass
	5200	12.53	23.98	Pass
	5240	12.27	23.98	Pass
802.11n20	5180	12.12	23.98	Pass
	5200	11.93	23.98	Pass
	5240	12.10	23.98	Pass
802.11n40	5190	10.91	23.98	Pass
	5230	11.51	23.98	Pass
802.11ac20	5180	10.85	23.98	Pass
	5200	10.75	23.98	Pass
	5240	11.15	23.98	Pass
802.11ac40	5190	9.67	23.98	Pass
	5230	9.95	23.98	Pass
802.11ac80	5210	9.57	23.98	Pass

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	10.89	30	Pass
	5785	10.40	30	Pass
	5825	10.13	30	Pass
802.11n20	5745	10.52	30	Pass
	5785	10.78	30	Pass
	5825	10.06	30	Pass
802.11n40	5755	10.09	30	Pass
	5795	10.17	30	Pass
802.11ac20	5745	9.61	30	Pass
	5785	10.00	30	Pass
	5825	9.53	30	Pass
802.11ac40	5755	9.29	30	Pass
	5795	8.99	30	Pass
802.11ac80	5775	9.54	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  $\geq 3 \times$  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:

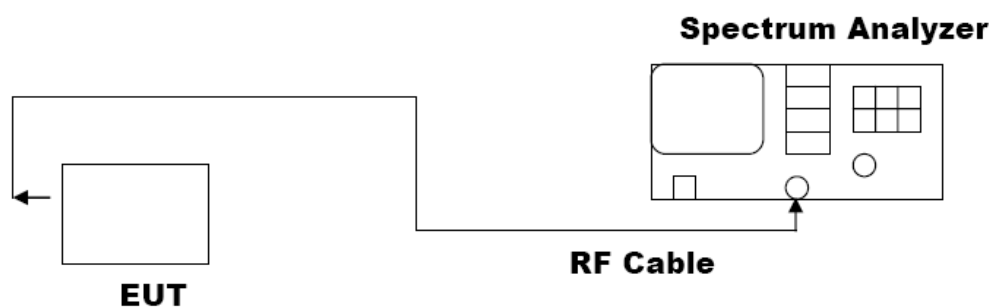
1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
3. Set Span = approximately 1.5 to 5 times the OBW, centered on a nominal channel  
The nominal IF filter bandwidth (3 dB RBW) shall 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

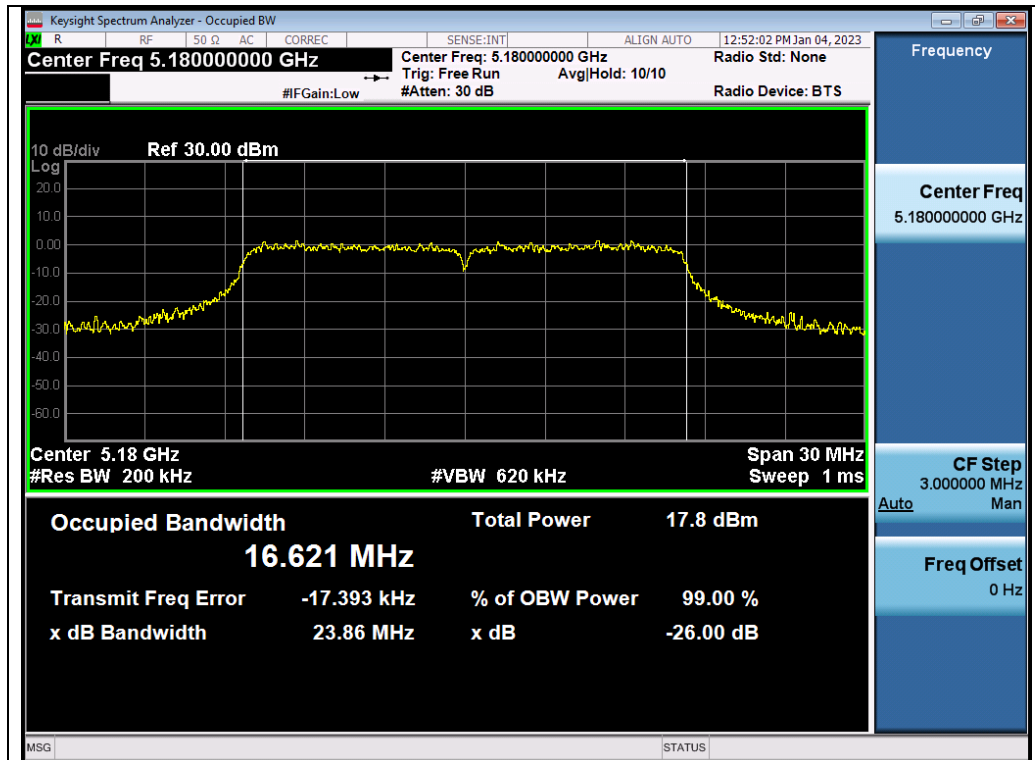
Test Data of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz					
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	-26dB Bandwidth (MHz)	Limits (MHz)	Pass or Fail
802.11a	5180	16.621	23.86	N/A	Pass
	5200	16.656	23.17	N/A	Pass
	5240	16.624	24.33	N/A	Pass
802.11n20	5180	17.672	21.05	N/A	Pass
	5200	17.653	21.66	N/A	Pass
	5240	17.702	24.58	N/A	Pass
802.11n40	5190	36.117	41.29	N/A	Pass
	5230	36.147	41.49	N/A	Pass
802.11ac20	5180	17.612	20.25	N/A	Pass
	5200	17.615	20.27	N/A	Pass
	5240	17.630	20.31	N/A	Pass
802.11ac40	5190	36.124	40.50	N/A	Pass
	5230	36.147	40.35	N/A	Pass
802.11ac80	5210	75.569	80.57	N/A	Pass

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	16.563	16.33	0.5	Pass
	5785	16.594	16.33	0.5	Pass
	5825	16.601	16.31	0.5	Pass
802.11n20	5745	17.631	17.01	0.5	Pass
	5785	17.660	17.01	0.5	Pass
	5825	17.626	17.28	0.5	Pass
802.11n40	5755	36.077	35.36	0.5	Pass
	5795	36.086	35.41	0.5	Pass
802.11ac20	5745	17.592	17.57	0.5	Pass
	5785	17.613	16.90	0.5	Pass
	5825	17.639	17.01	0.5	Pass
802.11ac40	5755	36.137	36.09	0.5	Pass
	5795	36.097	35.21	0.5	Pass
802.11ac80	5775	75.405	75.18	0.5	Pass

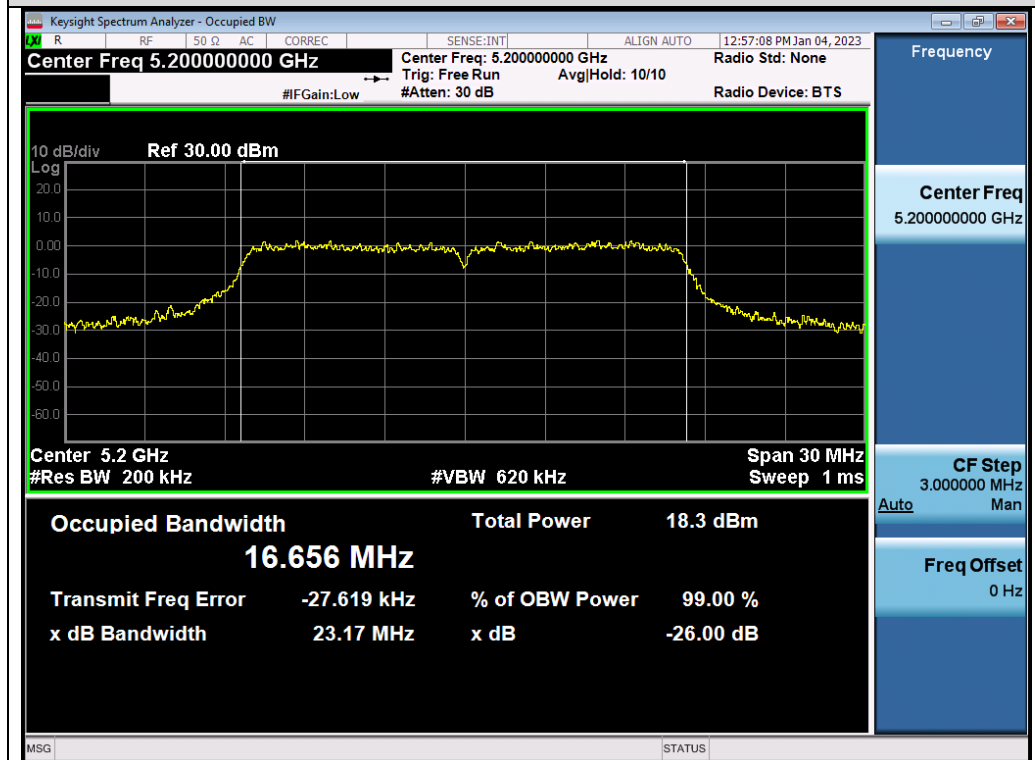
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### Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz

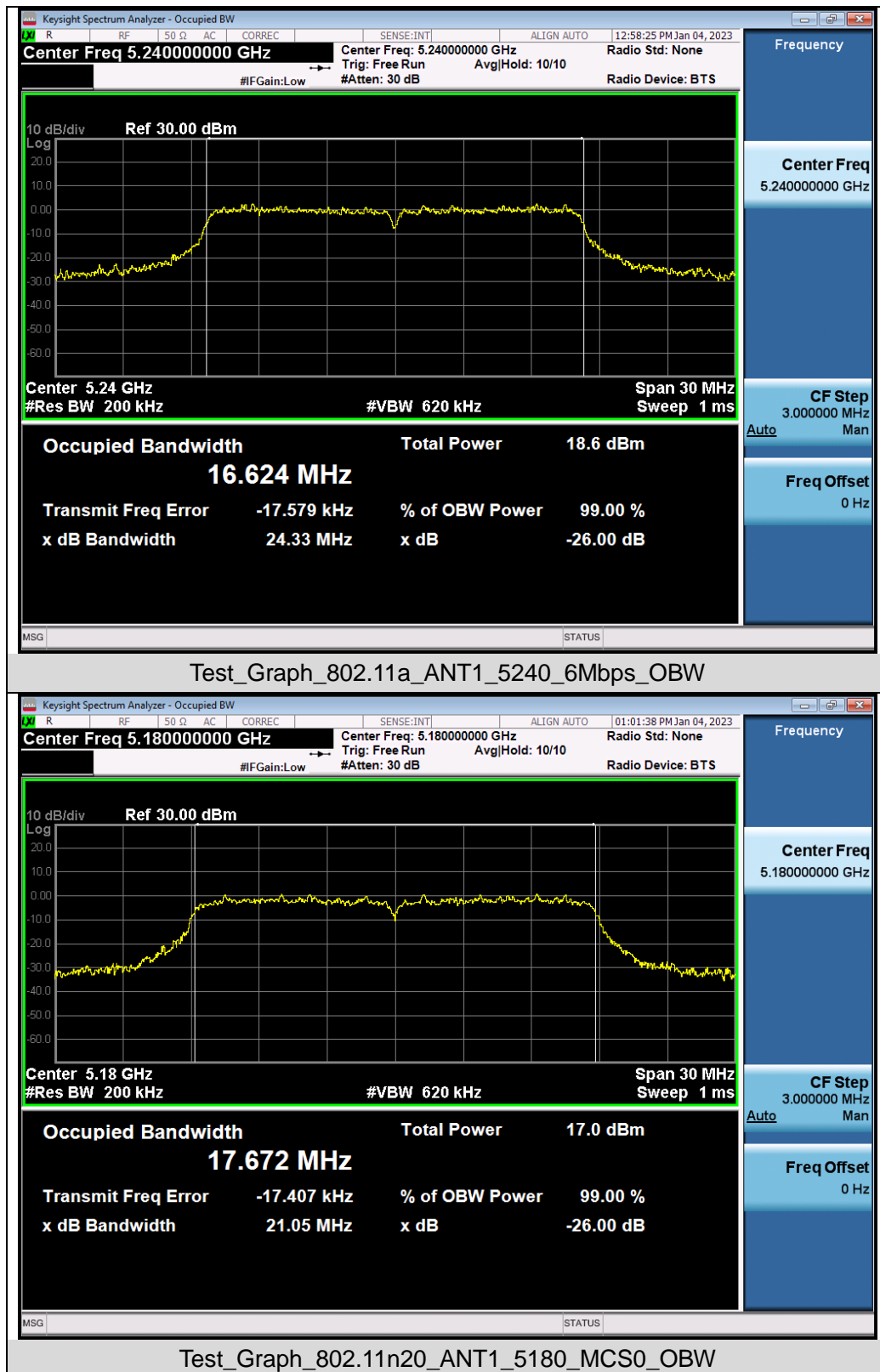


Test\_Graph\_802.11a\_ANT1\_5180\_6Mbps\_OBW

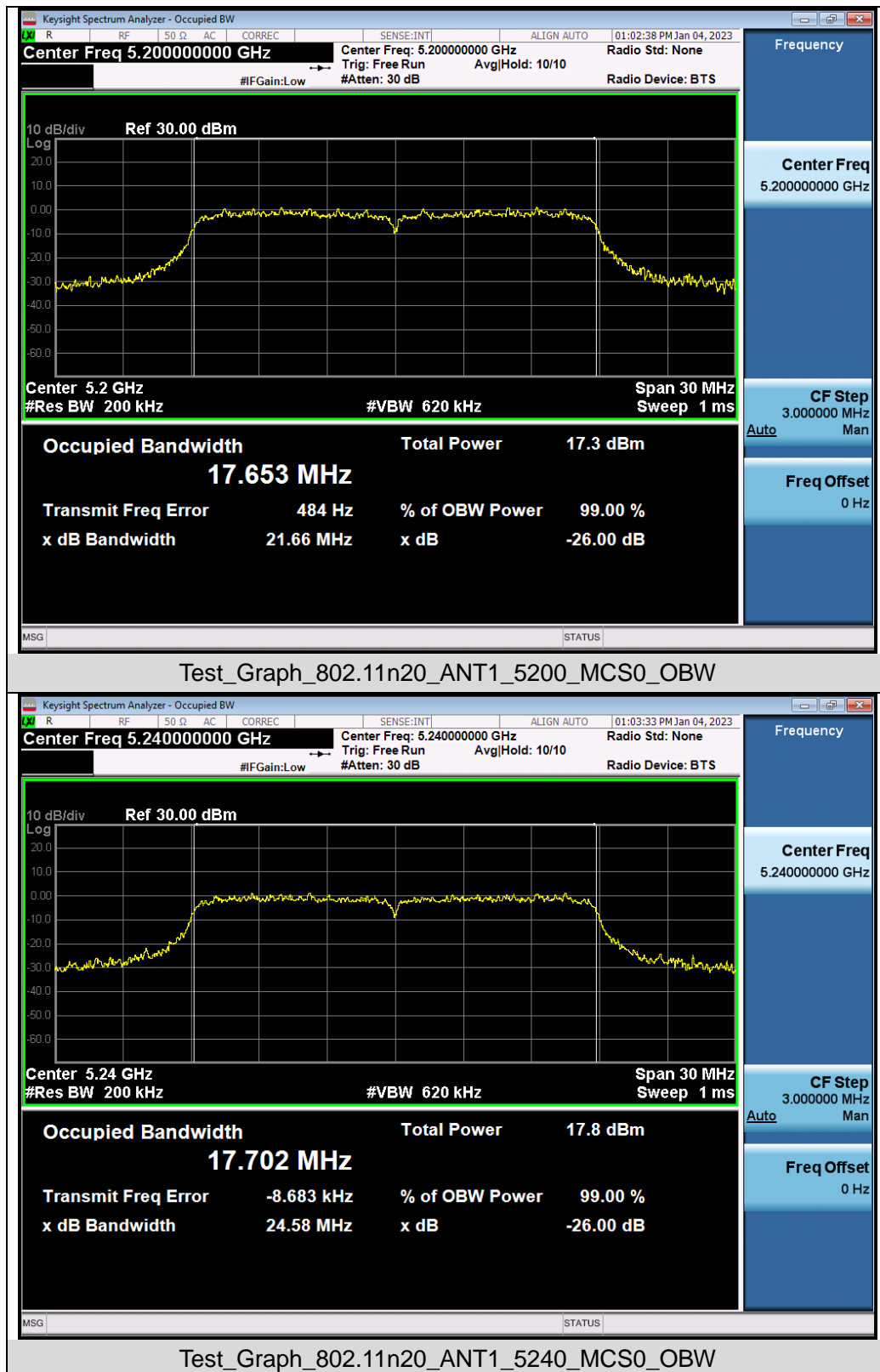


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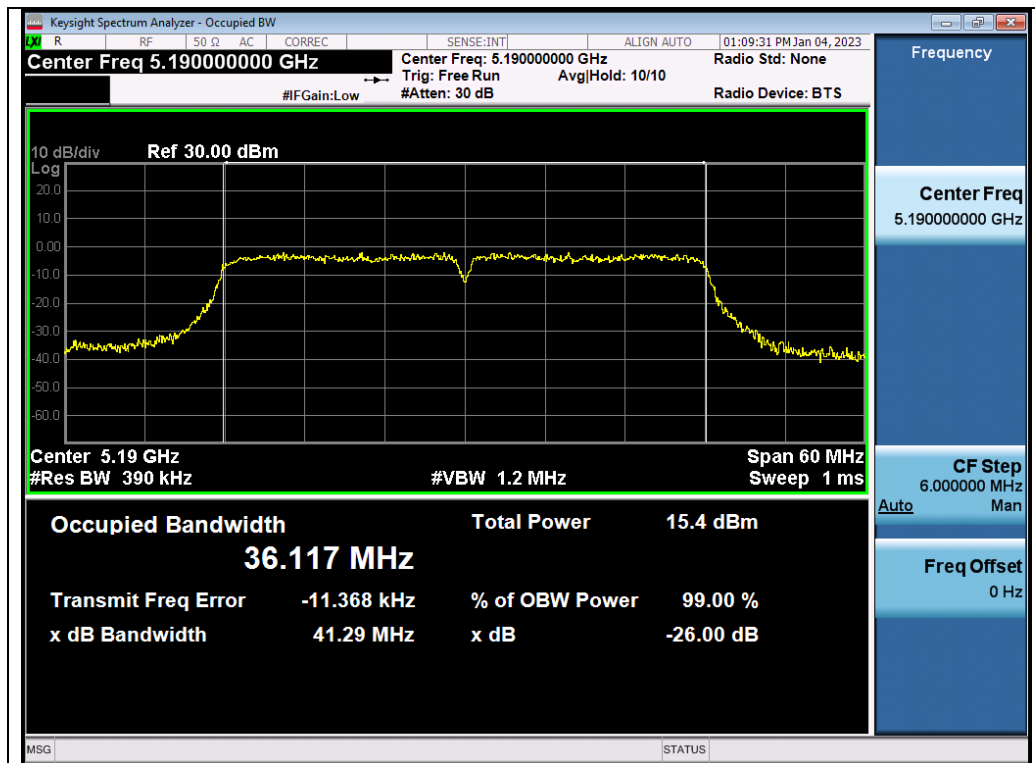
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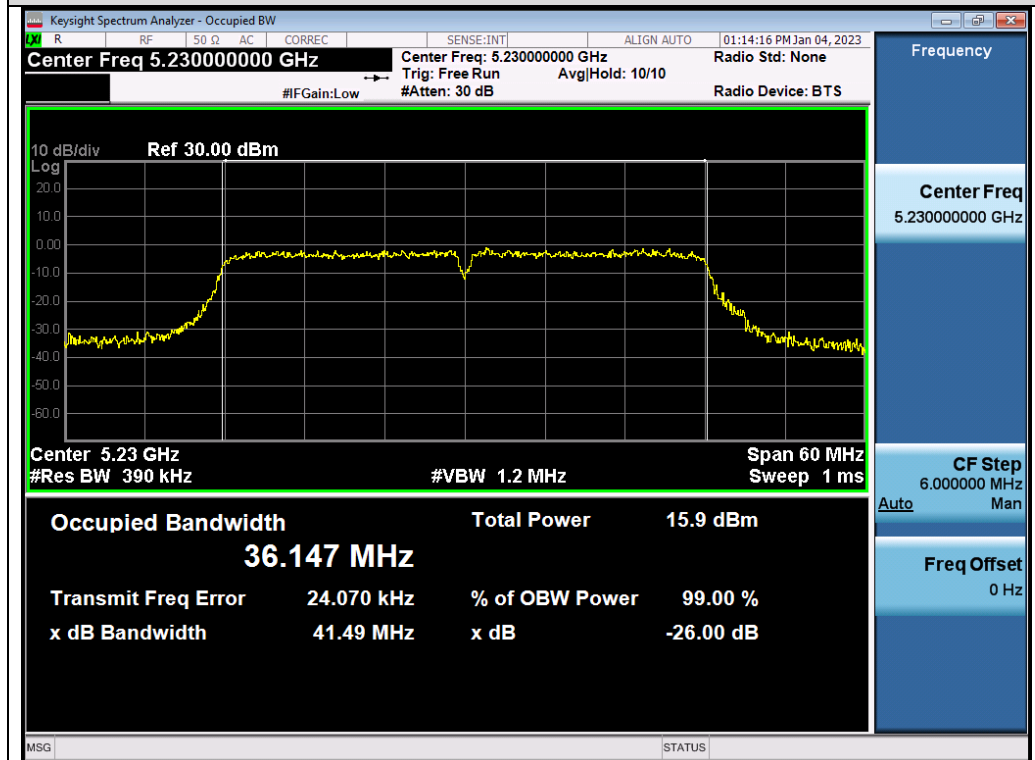
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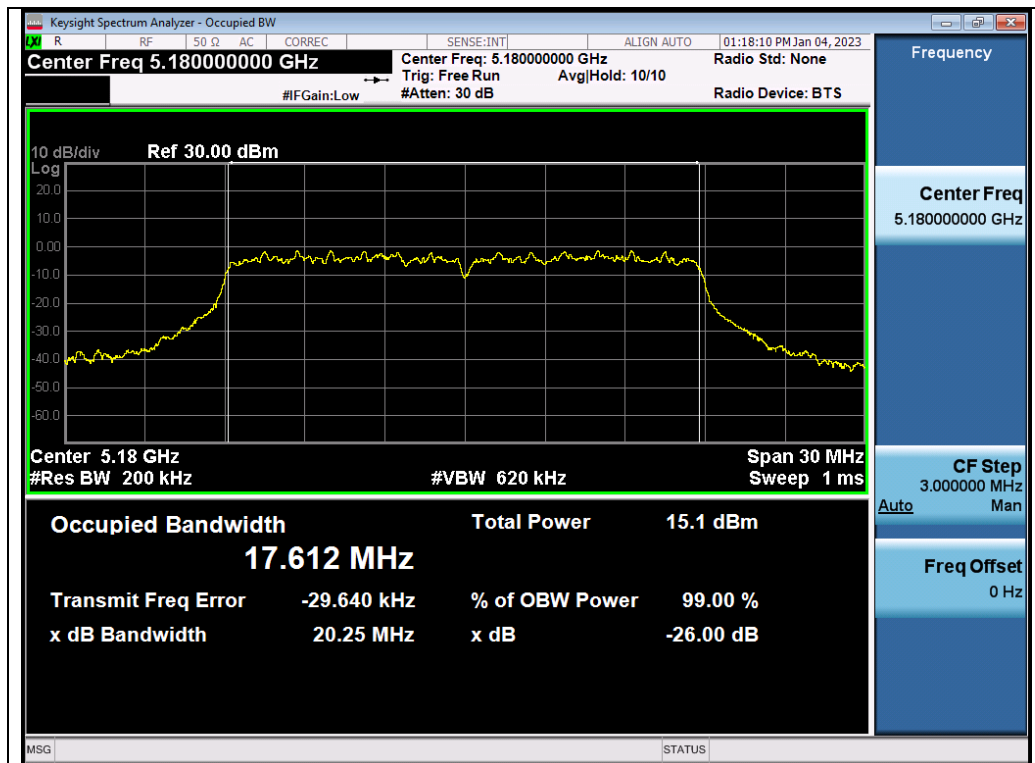


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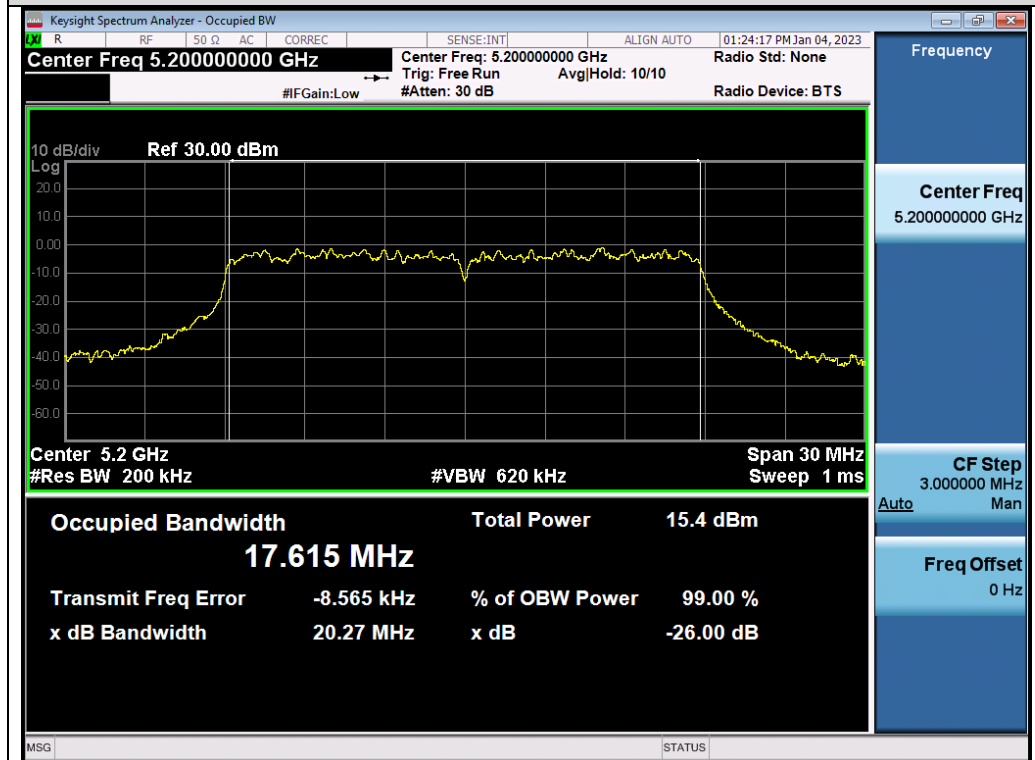


Test\_Graph\_802.11n40\_ANT1\_5230\_MCS0\_OBW

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Test\_Graph\_802.11ac20\_ANT1\_5180\_MCS0\_OBW

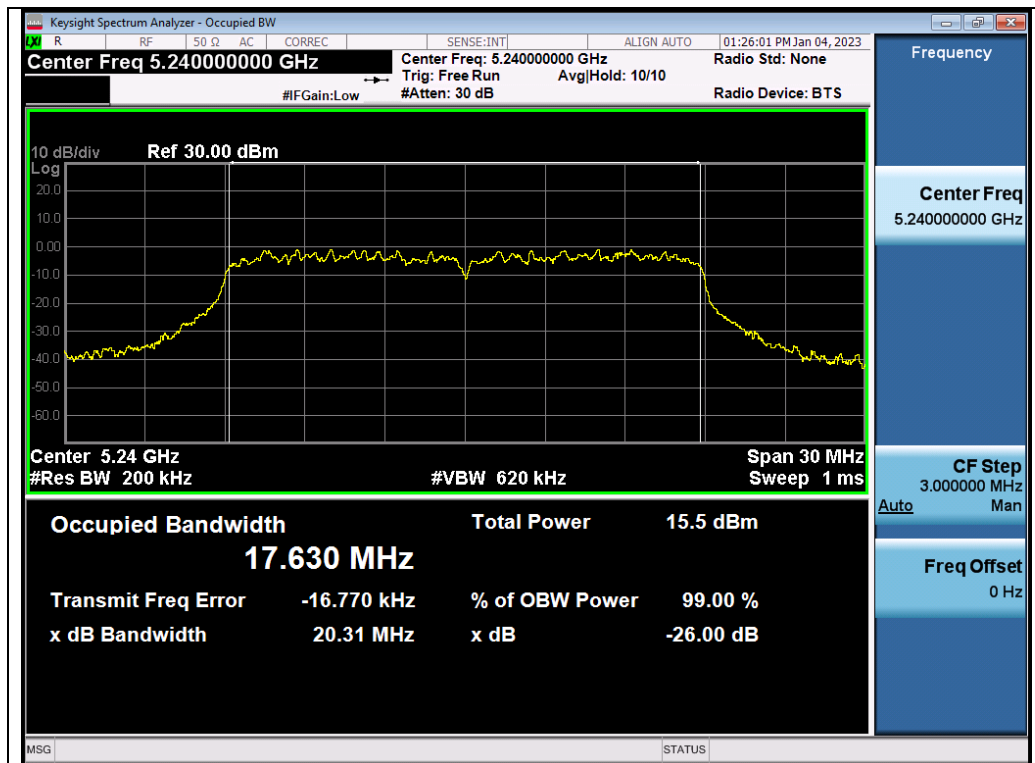


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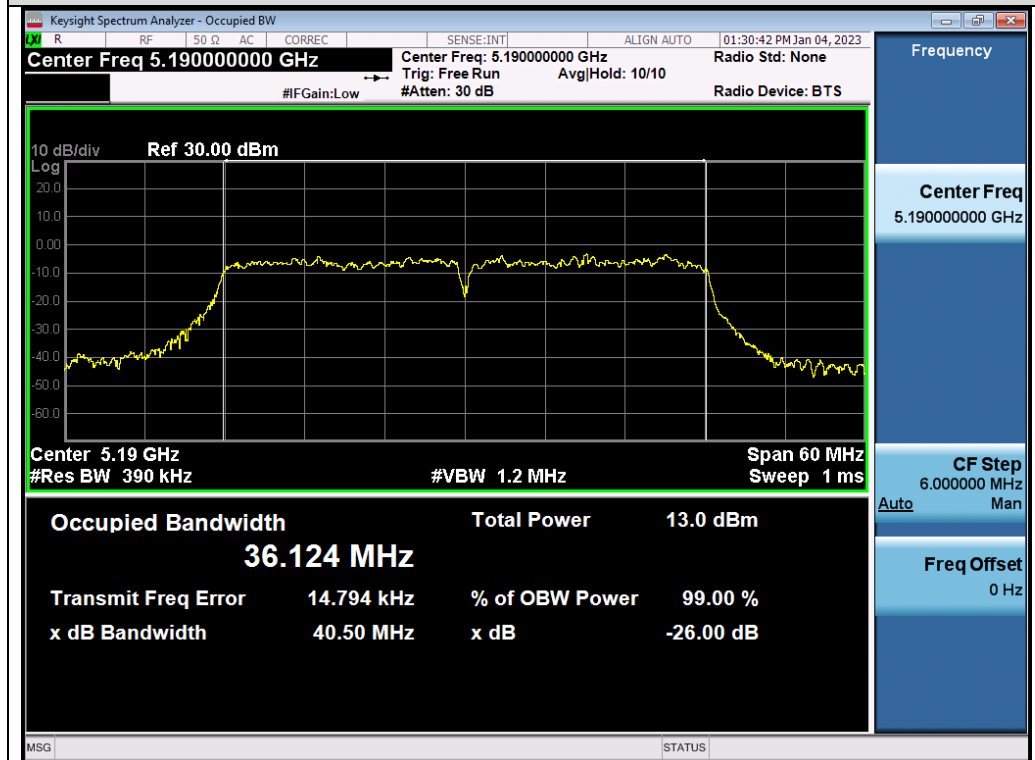
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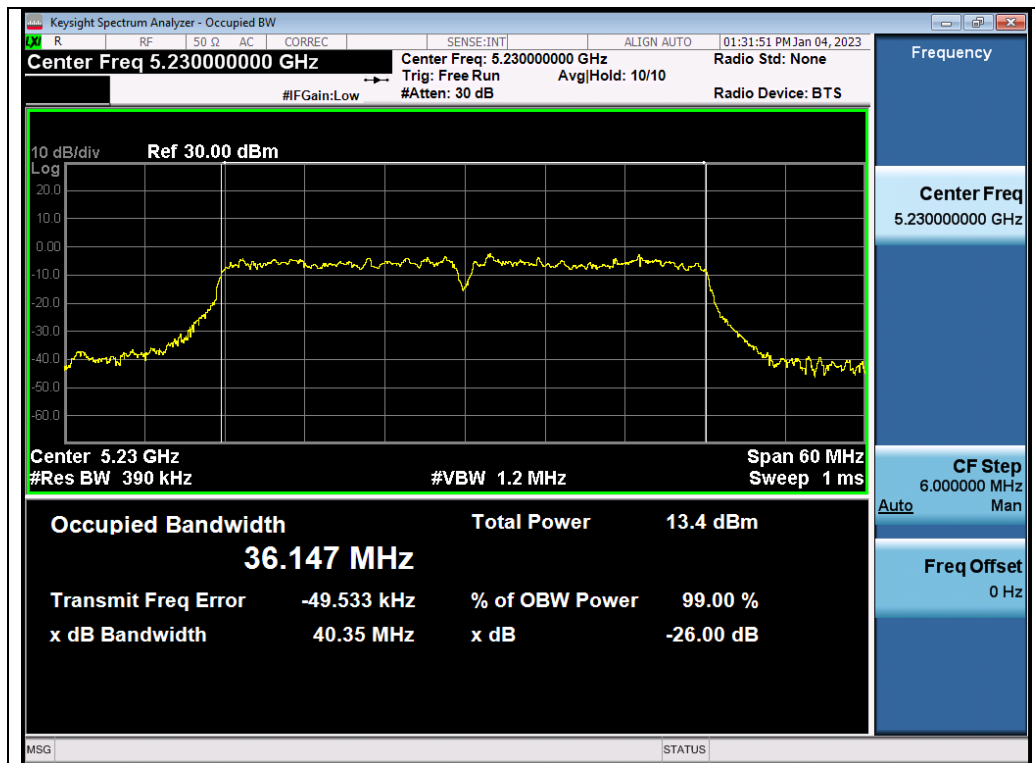


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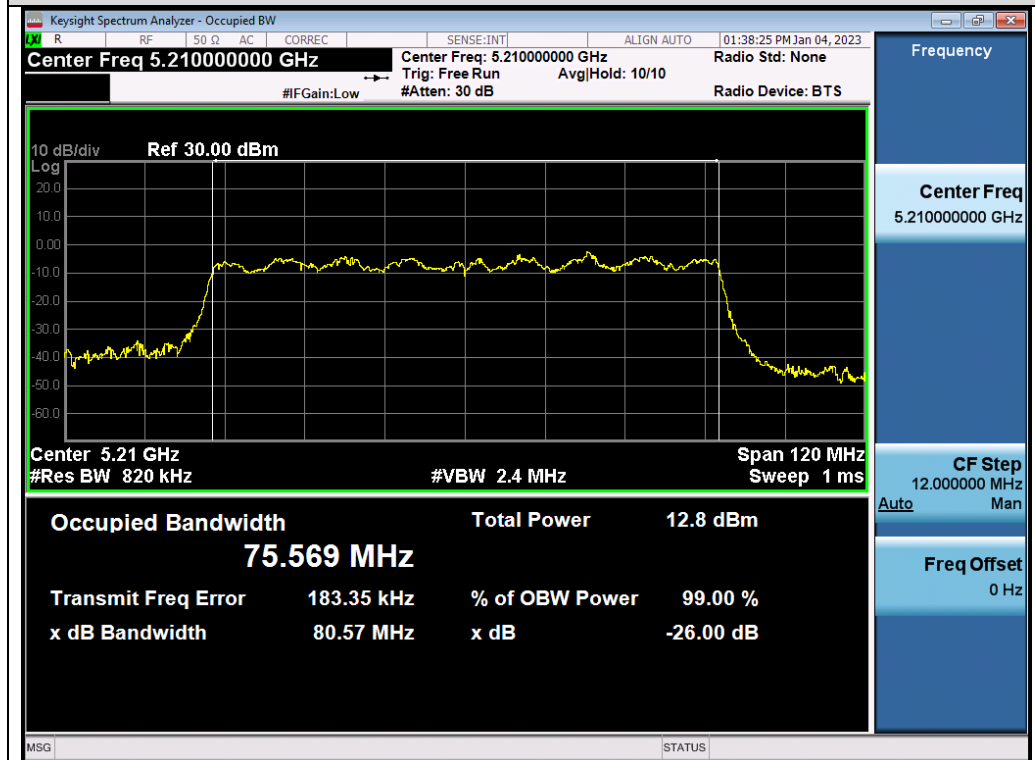


Test\_Graph\_802.11ac40\_ANT1\_5190\_MCS9\_OBW

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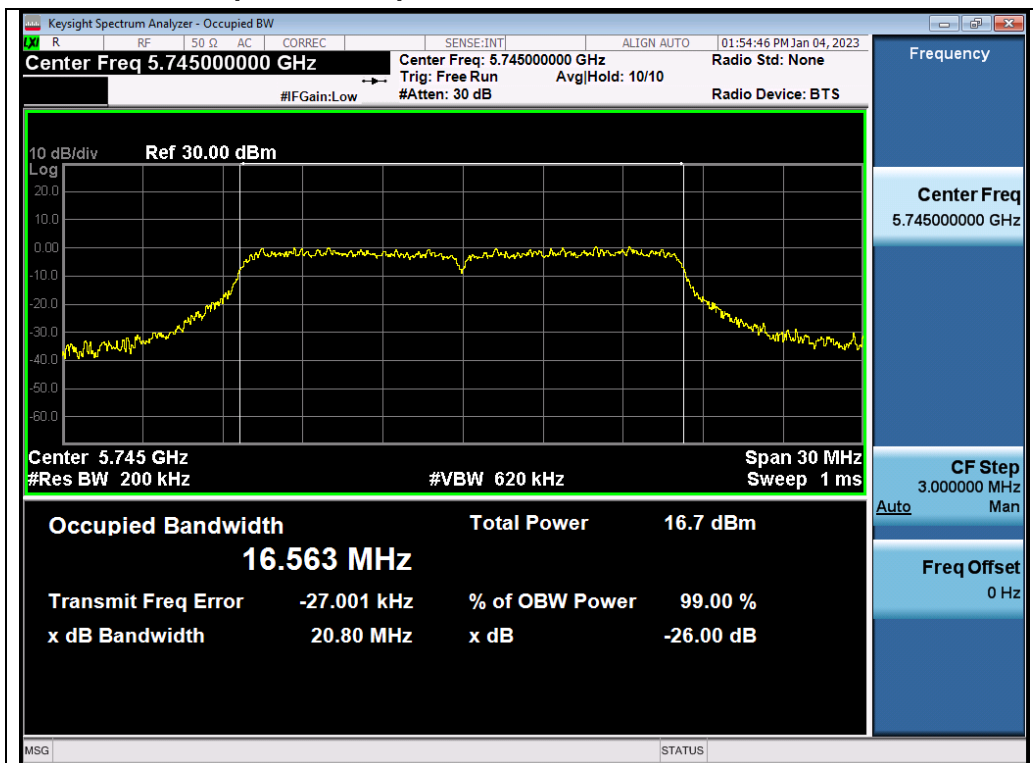
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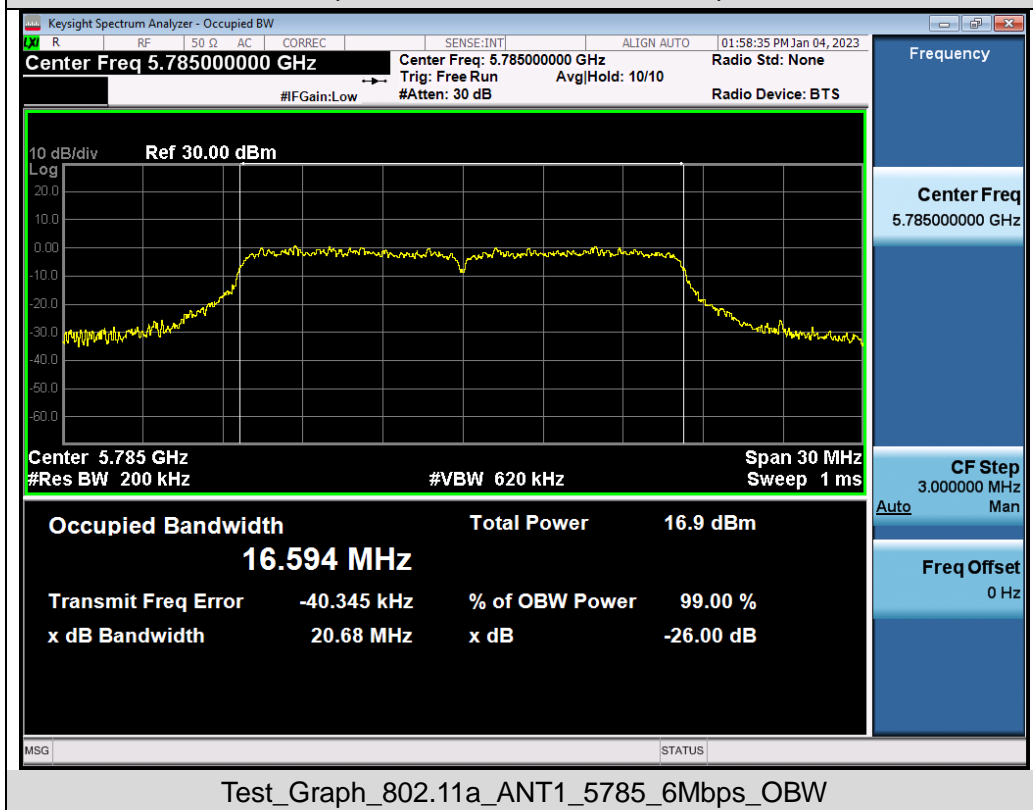
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### Test Graphs of Occupied Bandwidth for band 5.725-5.85 GHz



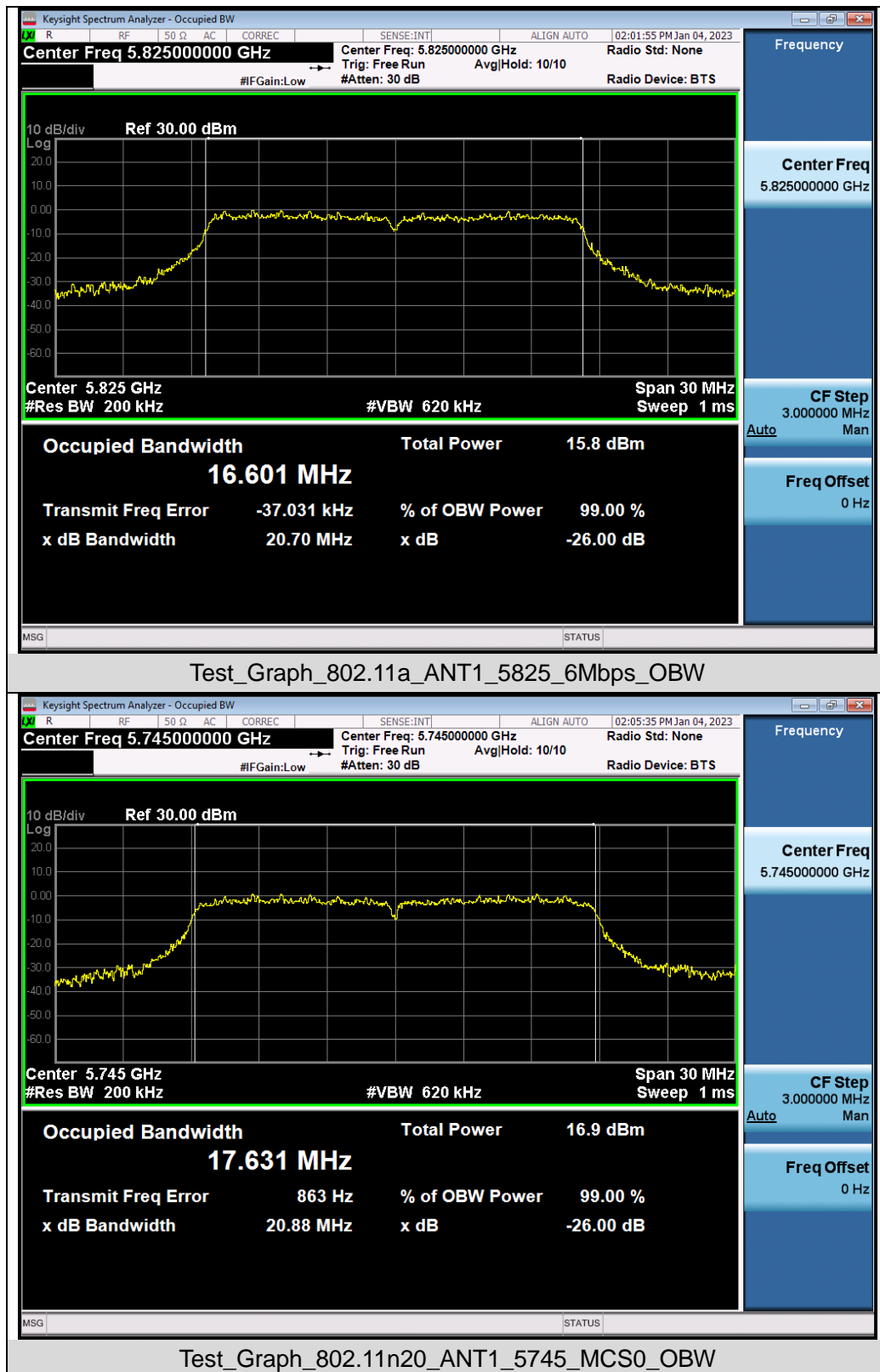
Test\_Graph\_802.11a\_ANT1\_5745\_6Mbps\_OBW



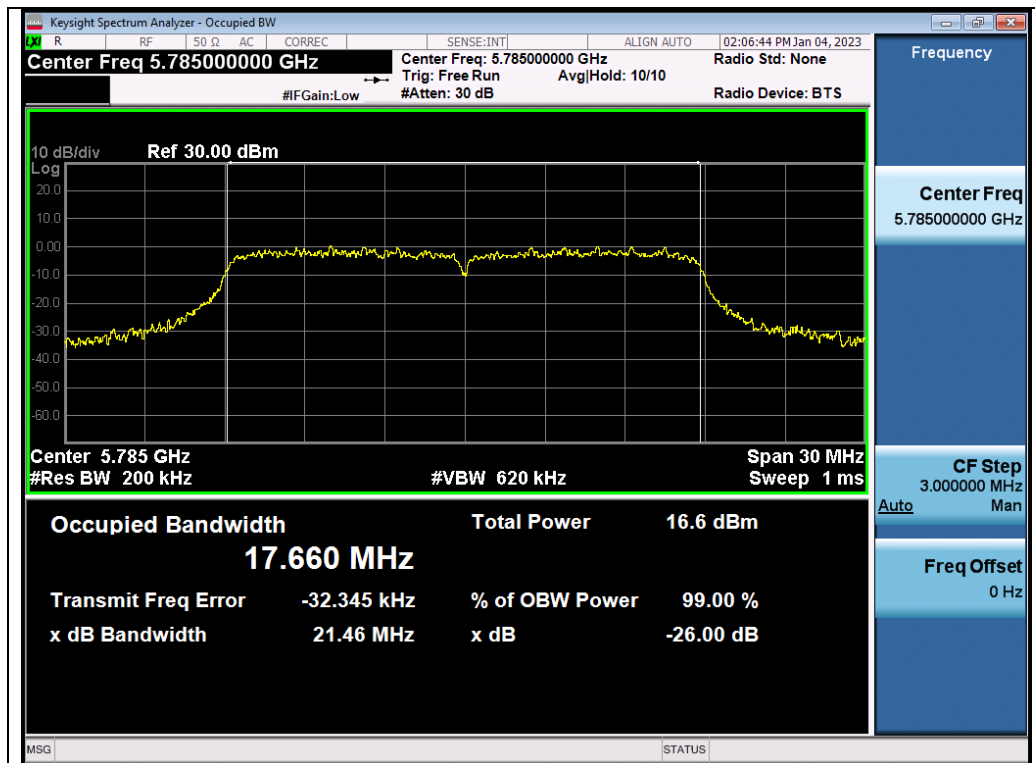
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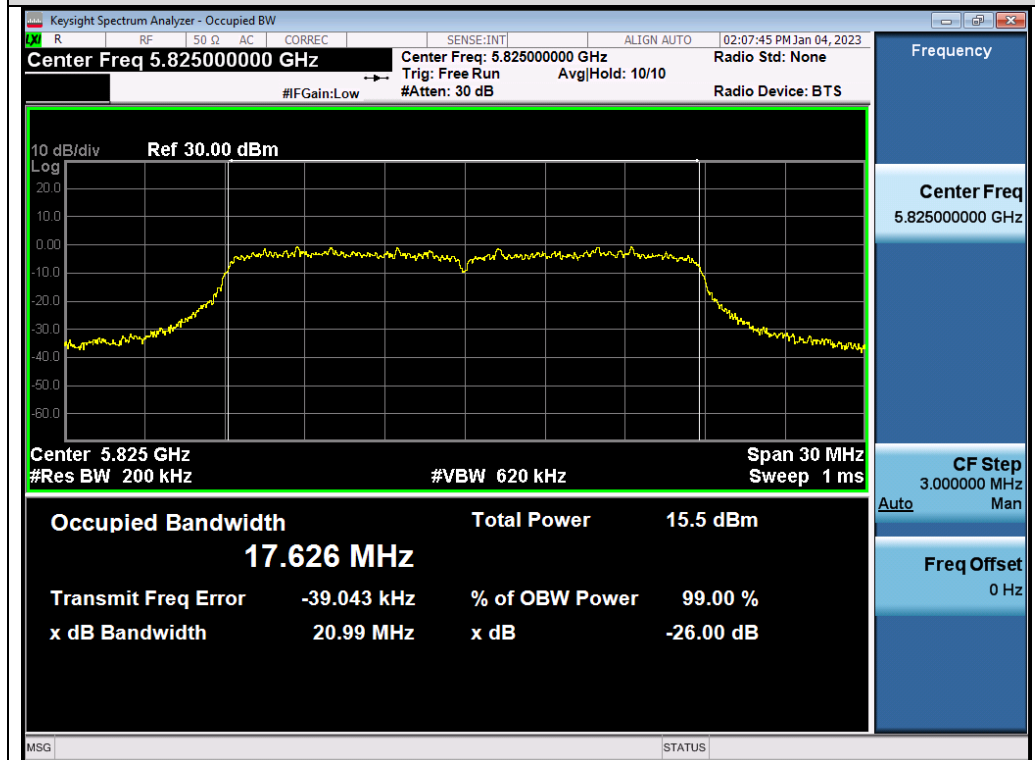




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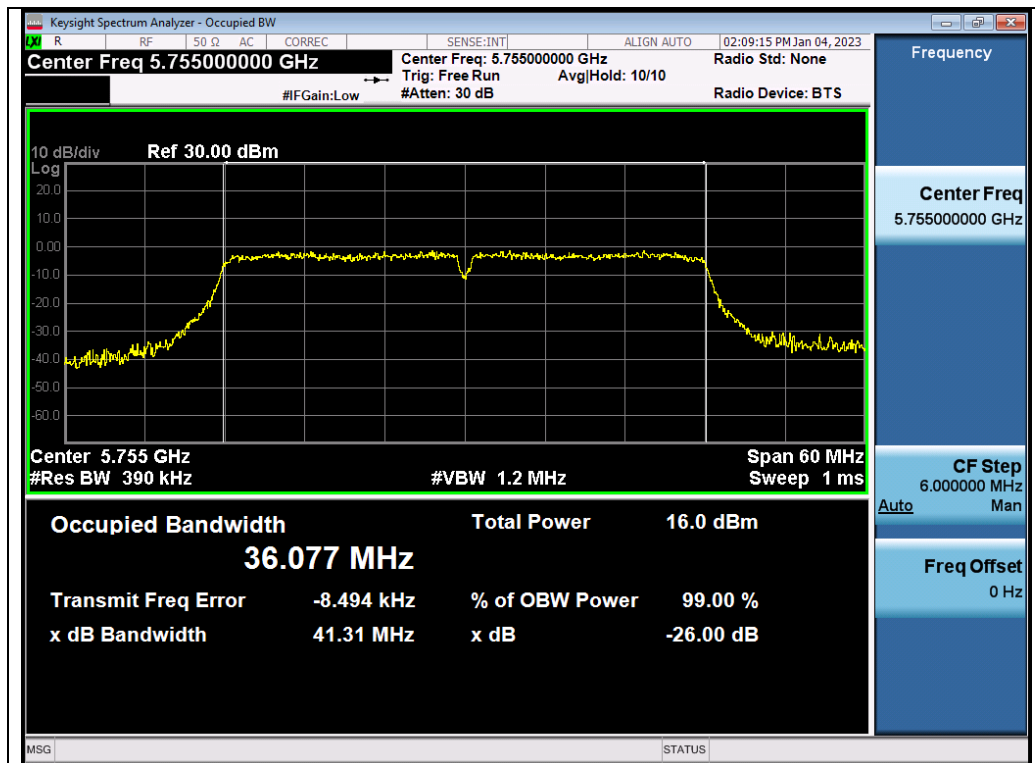


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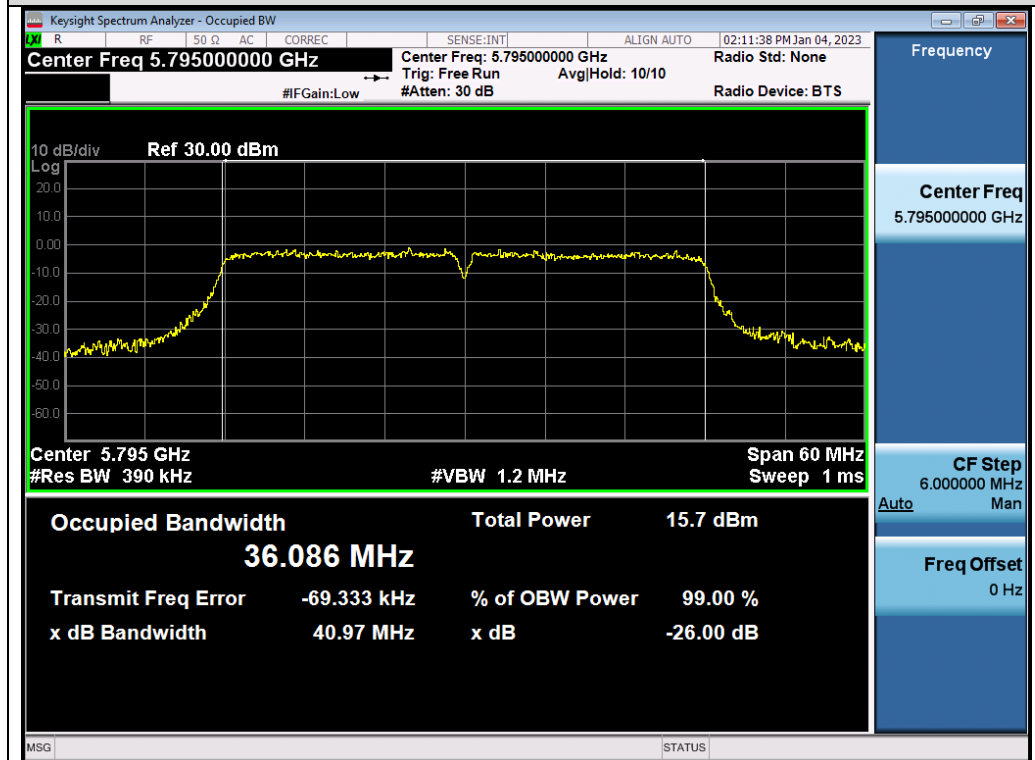


Test\_Graph\_802.11n20\_ANT1\_5825\_MCS0\_OBW

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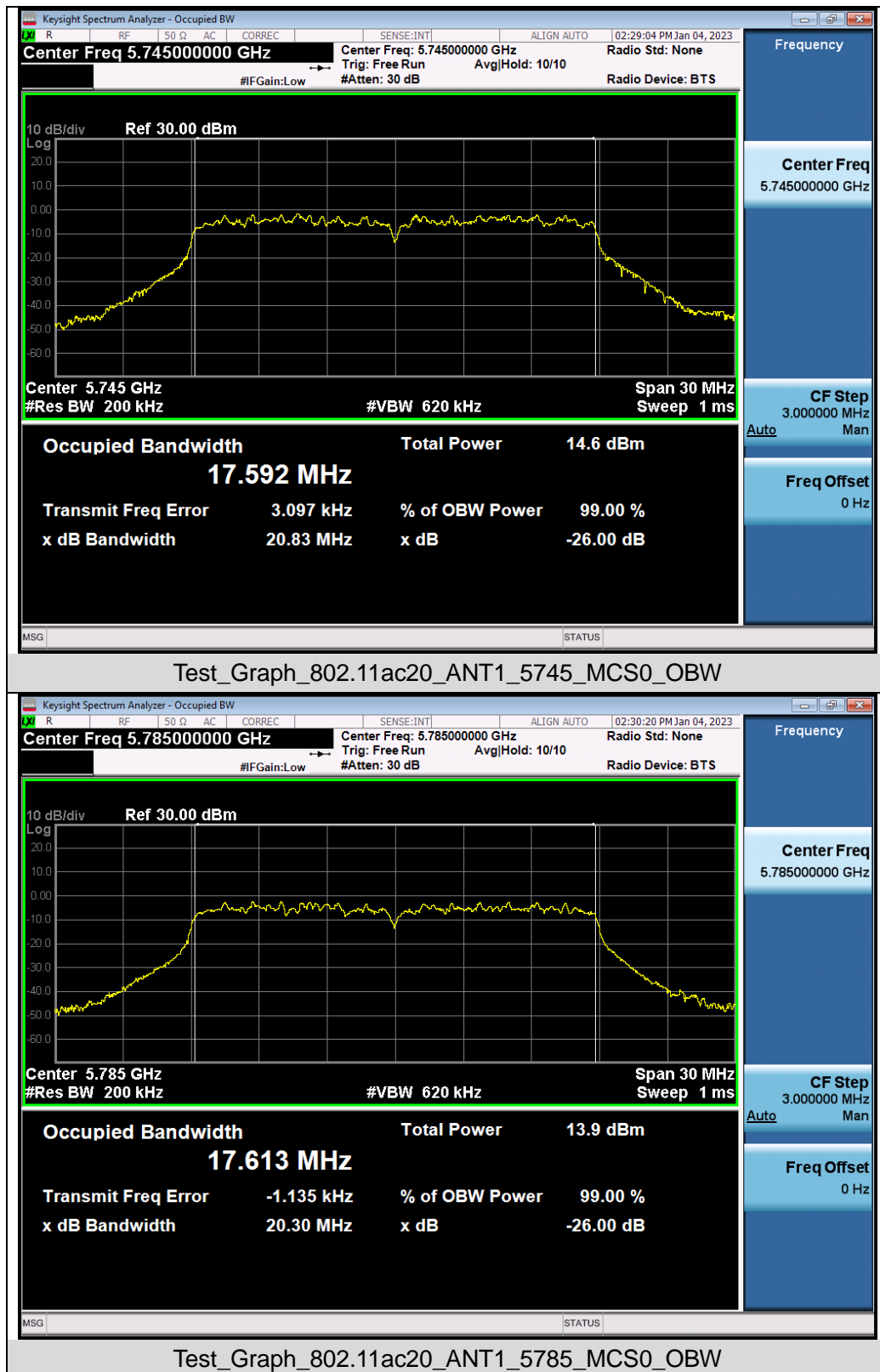


Test\_Graph\_802.11n40\_ANT1\_5755\_MCS0\_OBW



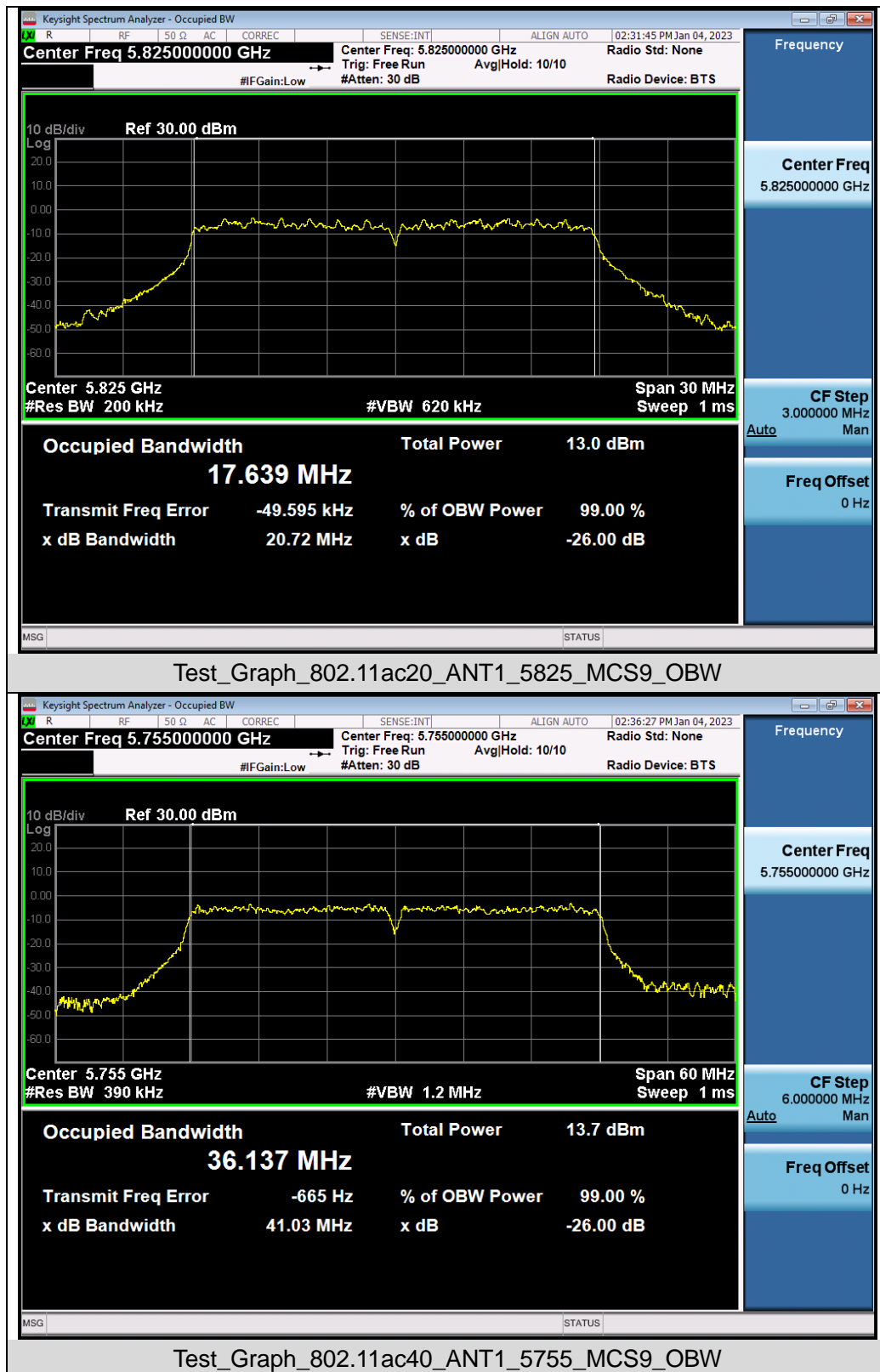
Test\_Graph\_802.11n40\_ANT1\_5795\_MCS0\_OBW

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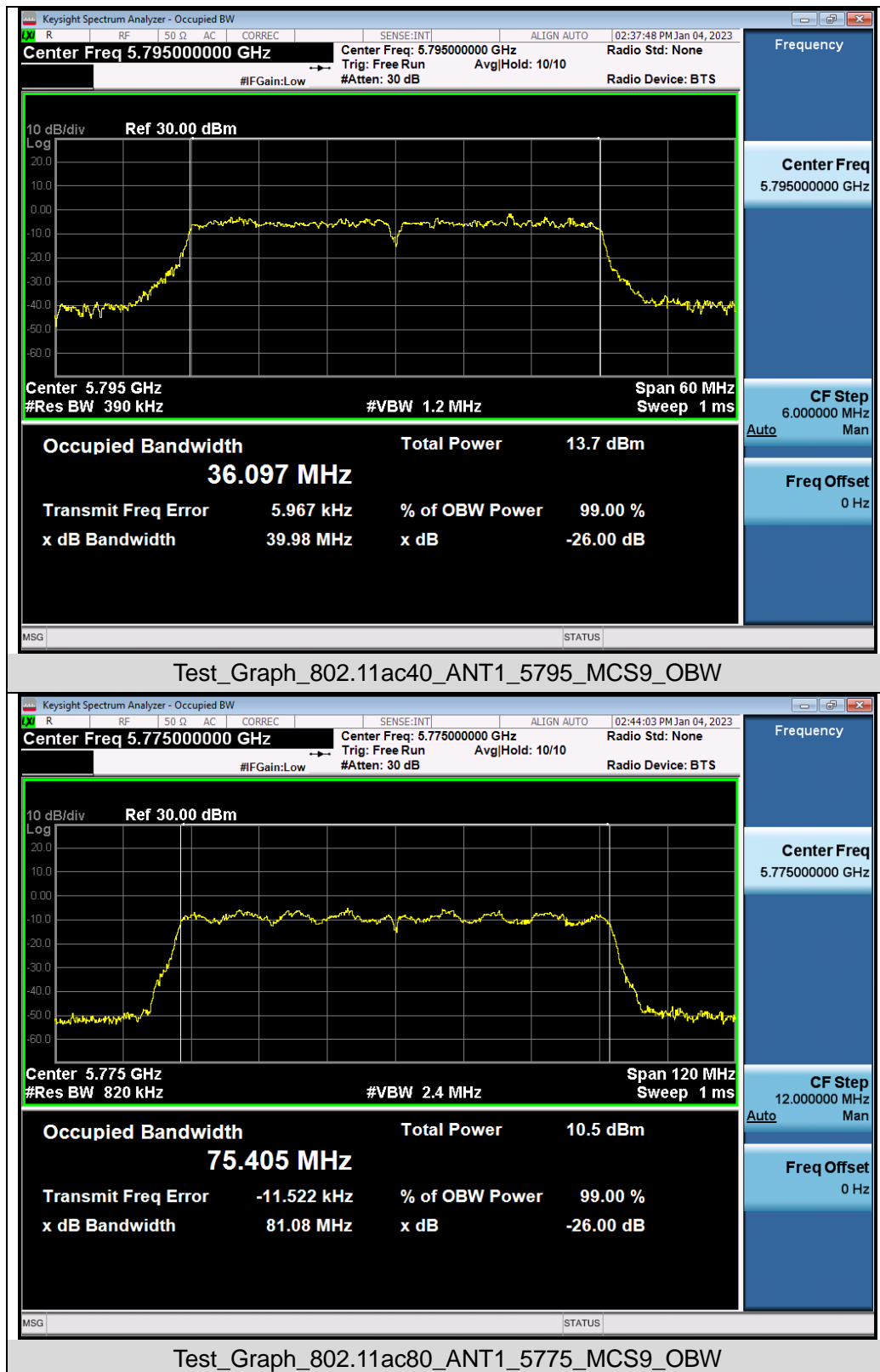
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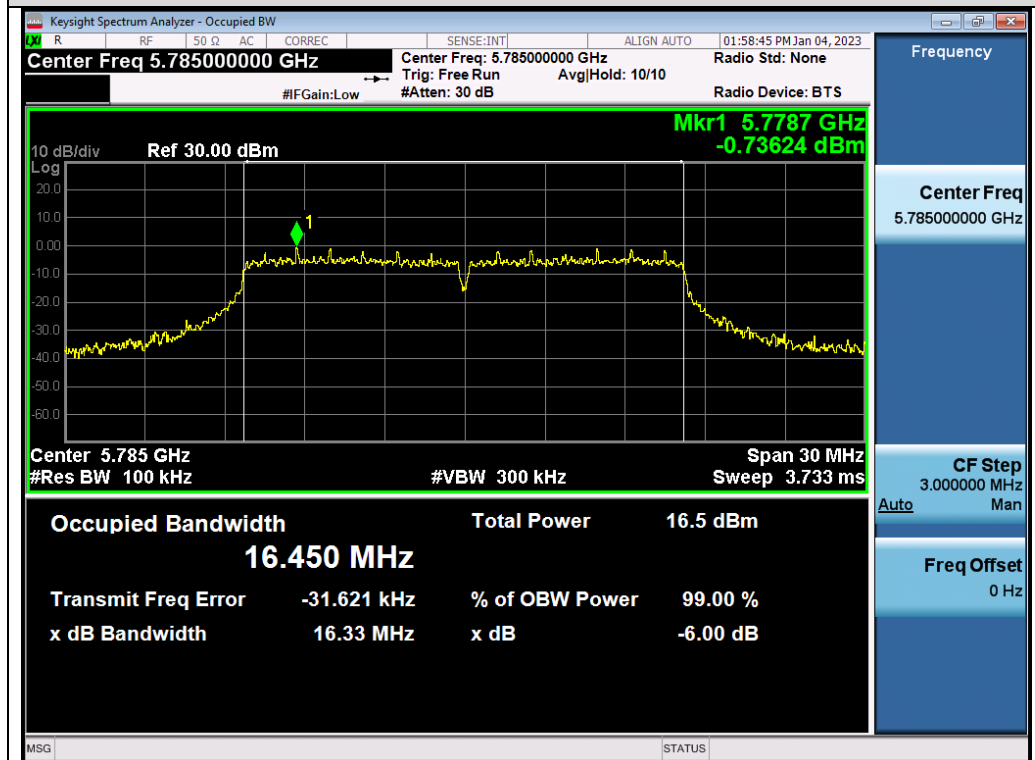
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### Test Graphs of DTS Bandwidth for band 5.725-5.85 GHz

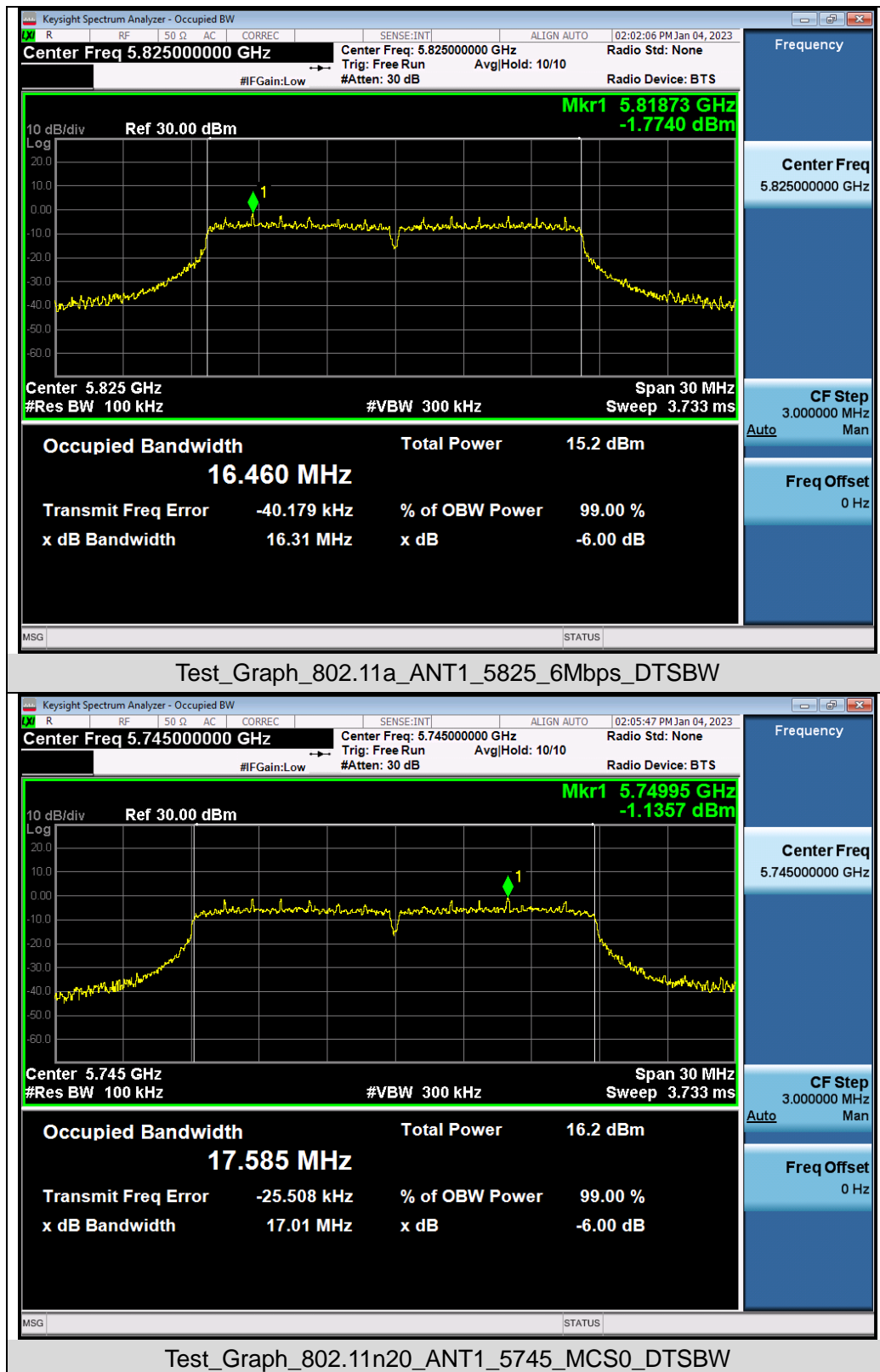


Test\_Graph\_802.11a\_ANT1\_5745\_6Mbps\_DTBSW



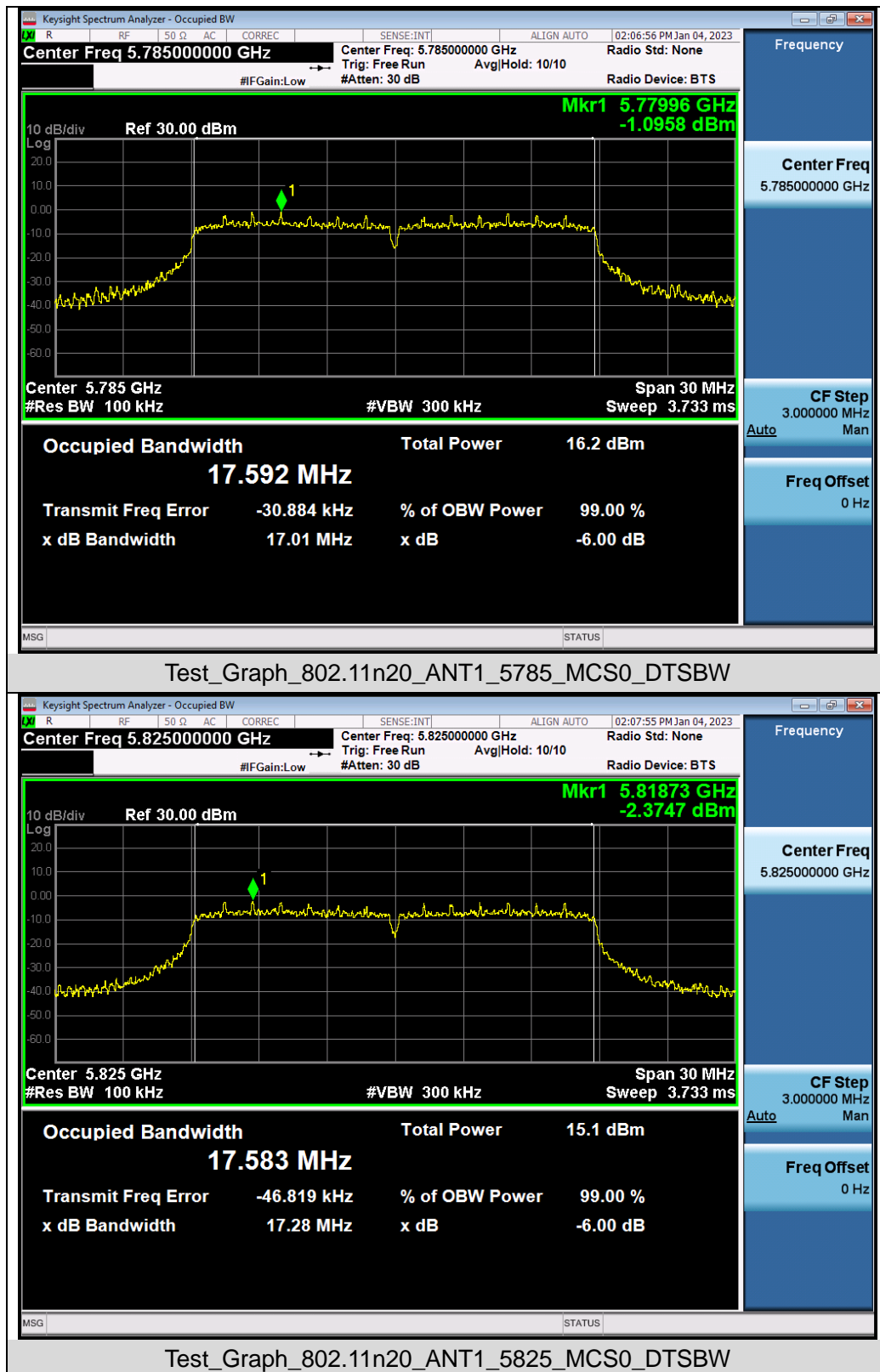
Test\_Graph\_802.11a\_ANT1\_5785\_6Mbps\_DTBSW

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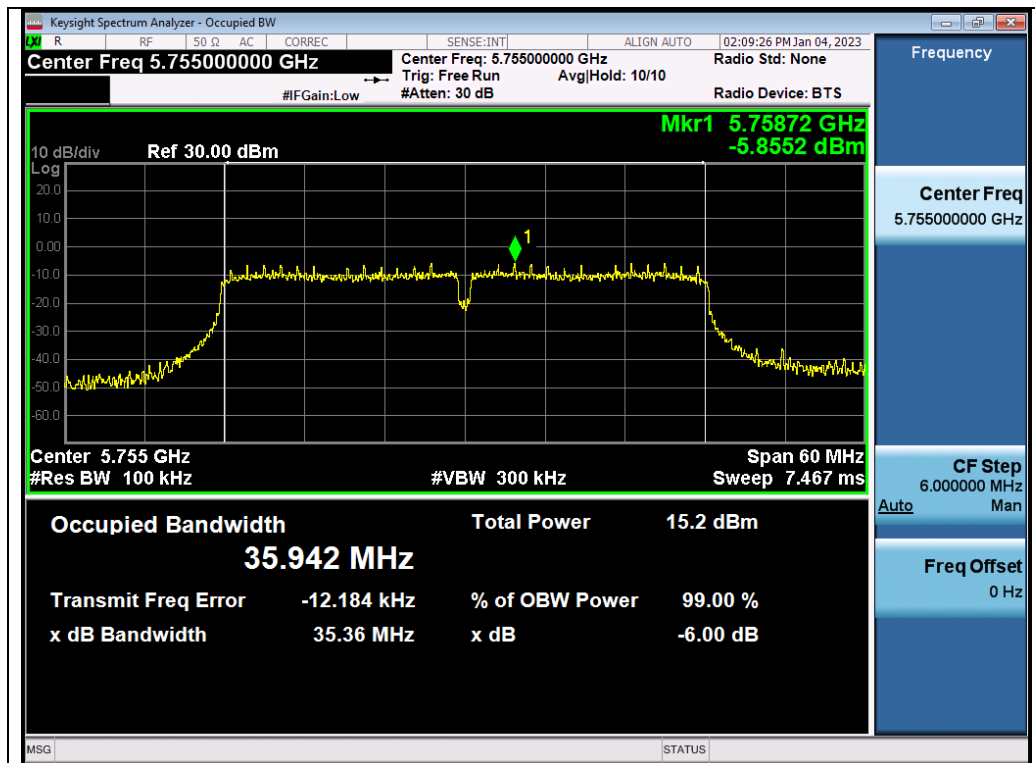


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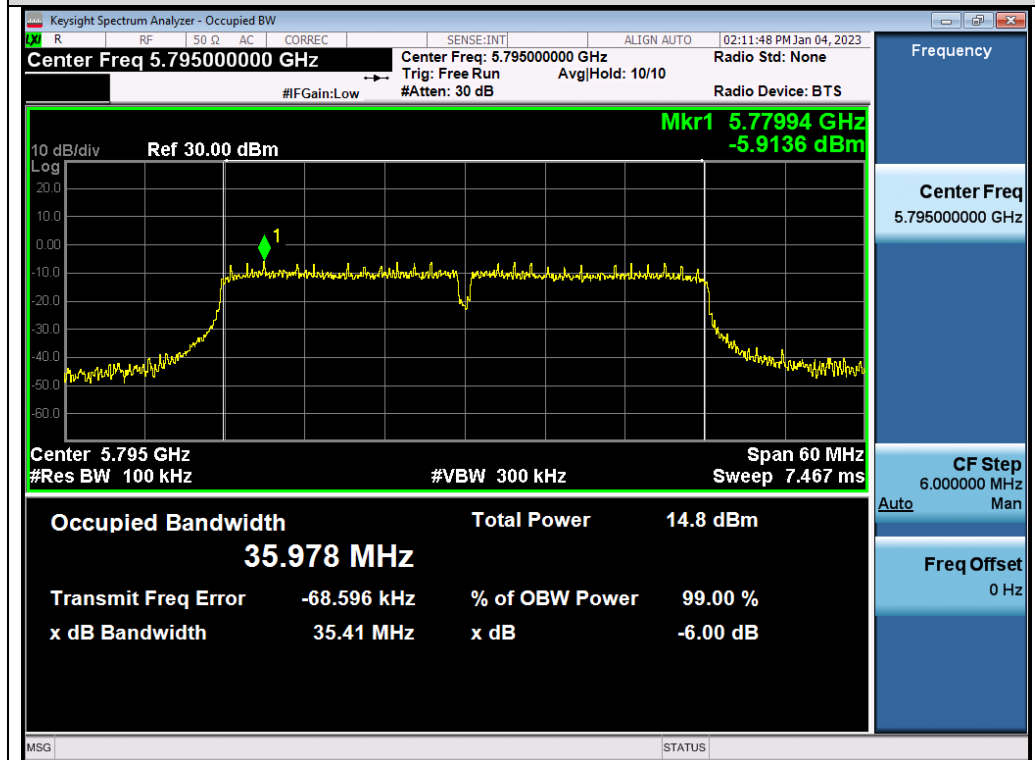




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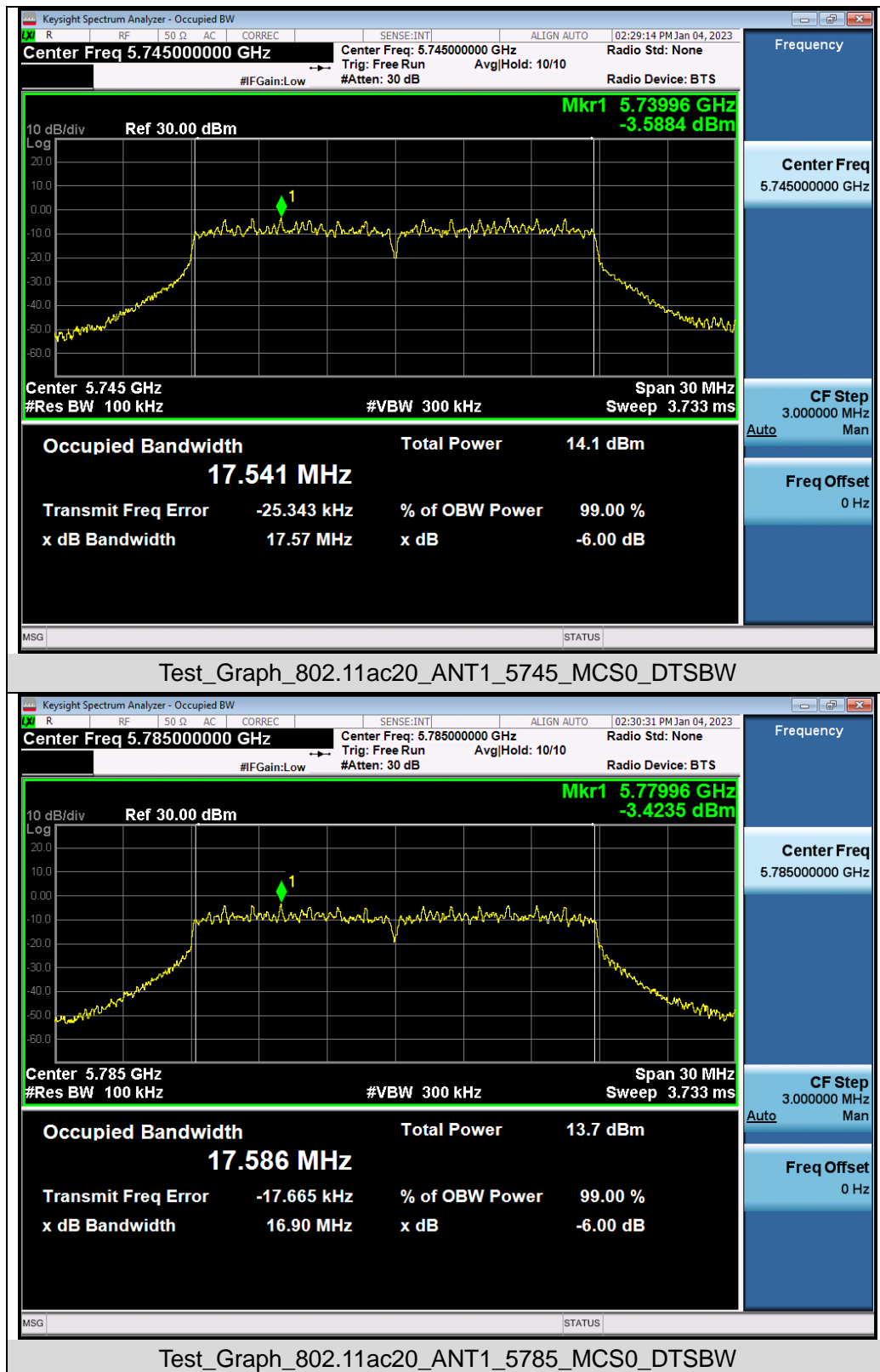


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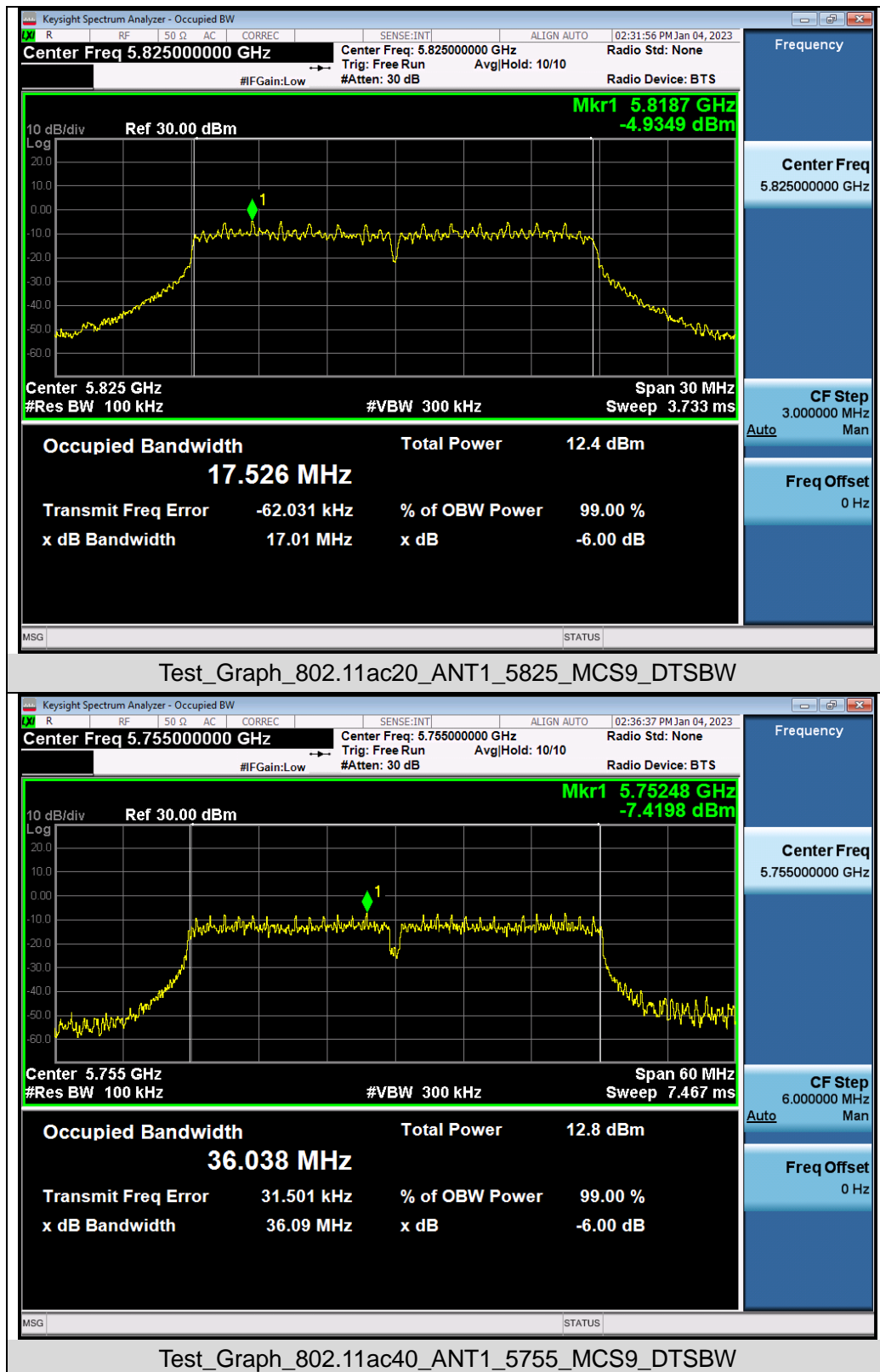
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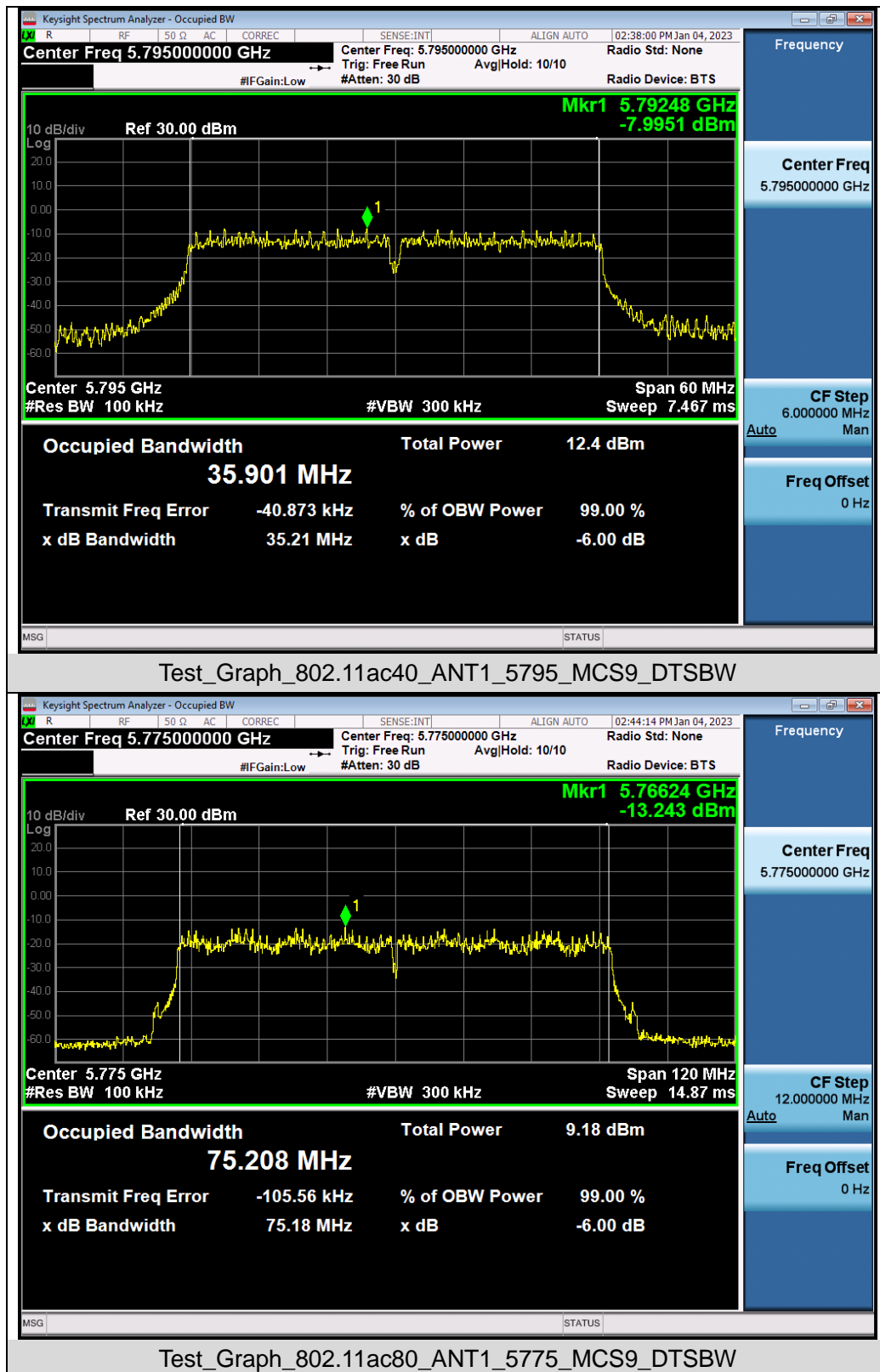
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## 9. MAXIMUM CONDUCTED OUTPUT AVERAGE POWER SPECTRAL DENSITY

### 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.

### 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	1.282	11	Pass
	5200	1.679	11	Pass
	5240	1.344	11	Pass
802.11n20	5180	0.966	11	Pass
	5200	0.723	11	Pass
	5240	0.800	11	Pass
802.11n40	5190	-3.391	11	Pass
	5230	-2.682	11	Pass
802.11ac20	5180	-0.049	11	Pass
	5200	-0.451	11	Pass
	5240	-0.059	11	Pass
802.11ac40	5190	-4.074	11	Pass
	5230	-3.838	11	Pass
802.11ac80	5210	-5.596	11	Pass

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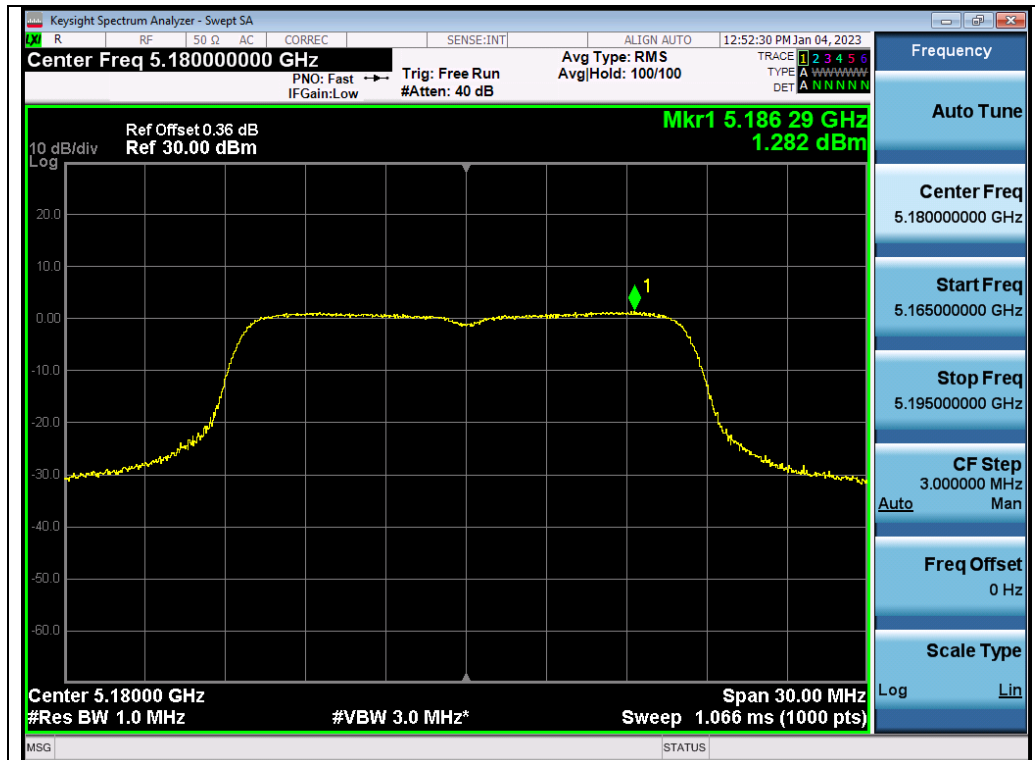
Test Data of Conducted Output Power Density for band 5.725-5.85 GHz					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
802.11a	5745	-9.202	-2.212	30	Pass
	5785	-9.381	-2.391	30	Pass
	5825	-9.565	-2.575	30	Pass
802.11n20	5745	-9.752	-2.762	30	Pass
	5785	-9.108	-2.118	30	Pass
	5825	-10.148	-3.158	30	Pass
802.11n40	5755	-13.061	-6.071	30	Pass
	5795	-12.562	-5.572	30	Pass
802.11ac20	5745	-8.807	-1.817	30	Pass
	5785	-8.160	-1.170	30	Pass
	5825	-8.662	-1.672	30	Pass
802.11ac40	5755	-11.563	-4.573	30	Pass
	5795	-11.706	-4.716	30	Pass
802.11ac80	5775	-12.943	-5.953	30	Pass

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

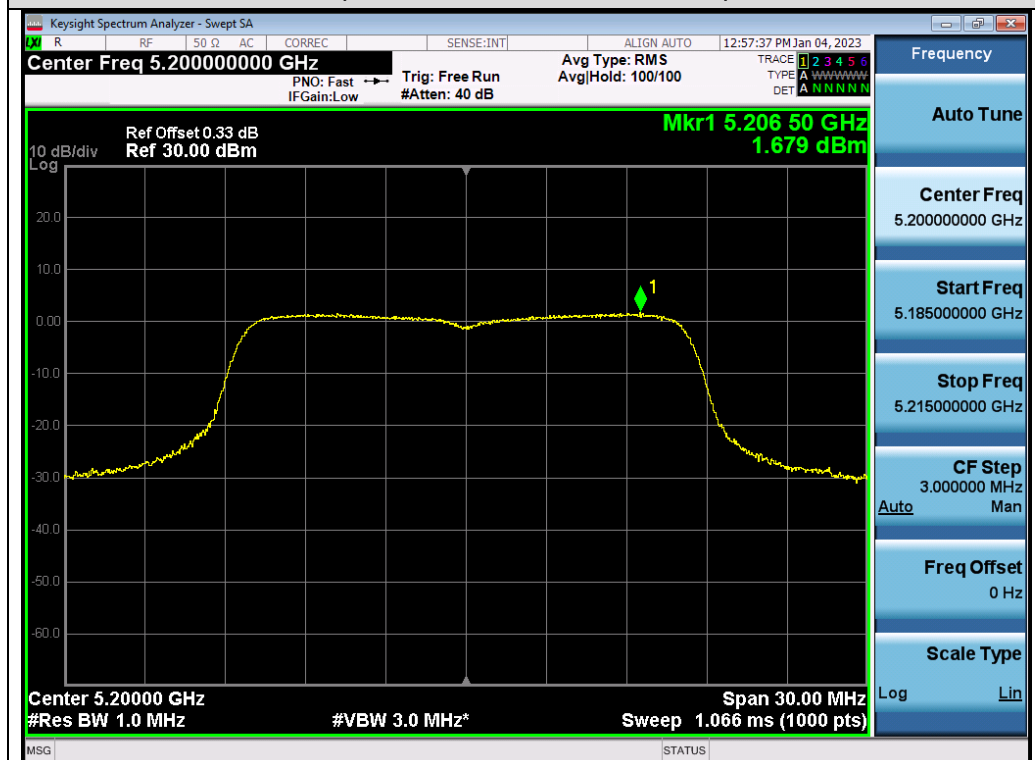
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### Test Graphs of Conducted Output Power Spectral Density for band 5.15-5.25 GHz



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

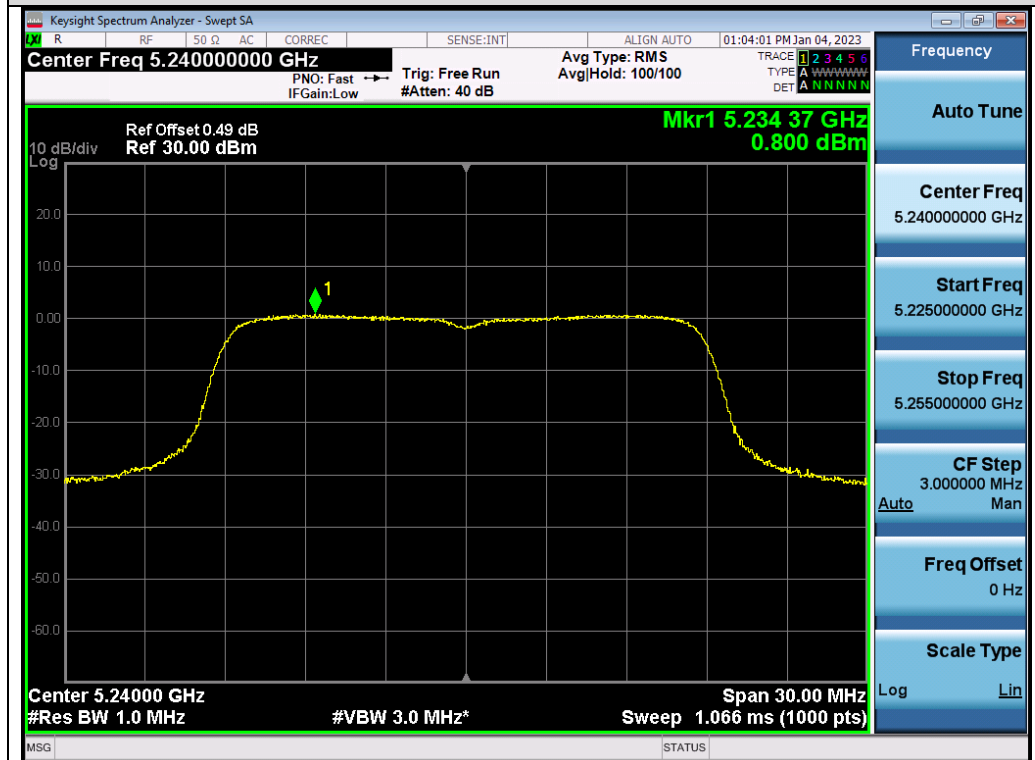


Test\_Graph\_802.11n20\_ANT1\_5180\_MCS0\_PSD

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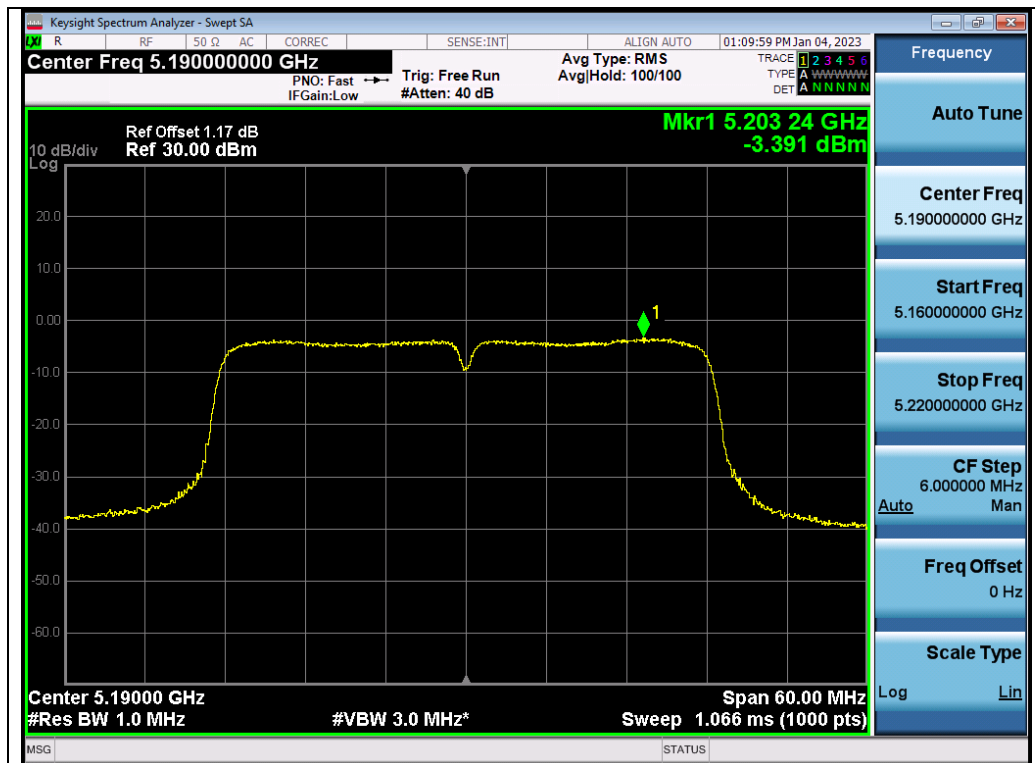
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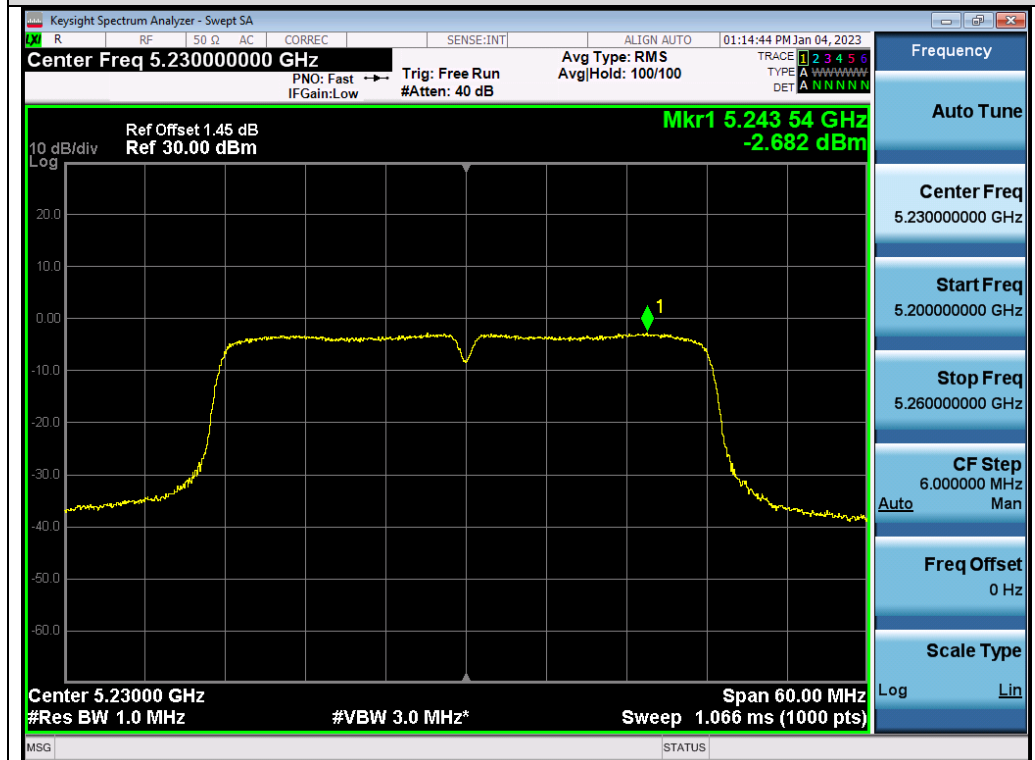
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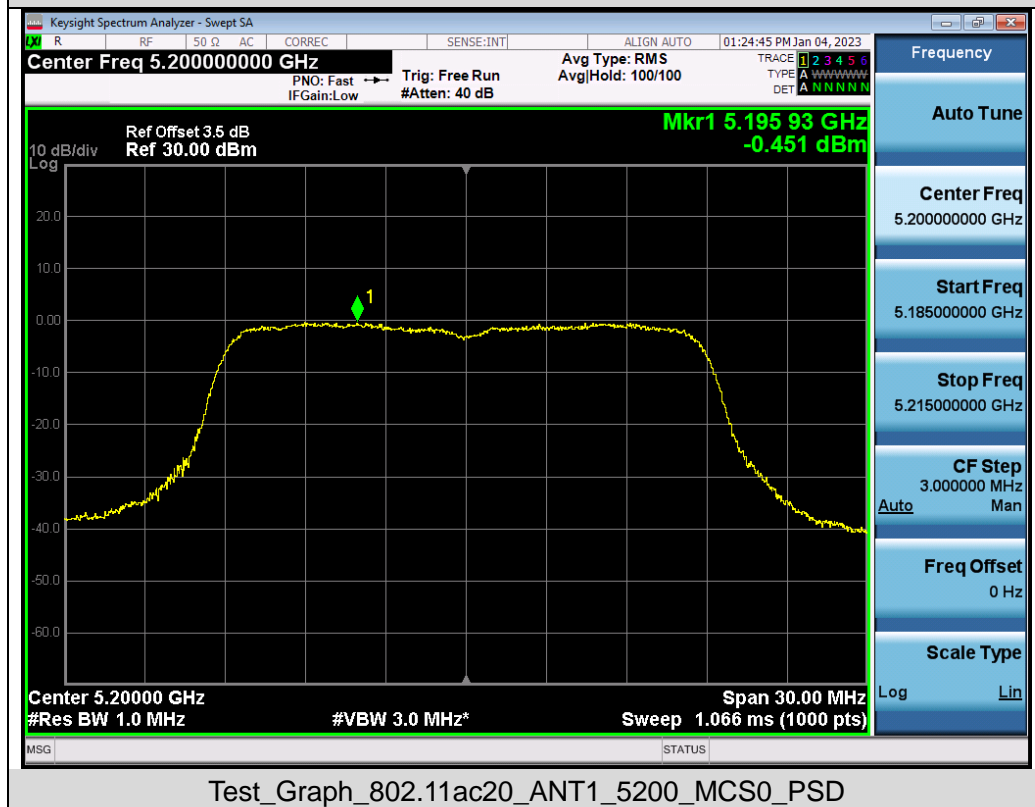
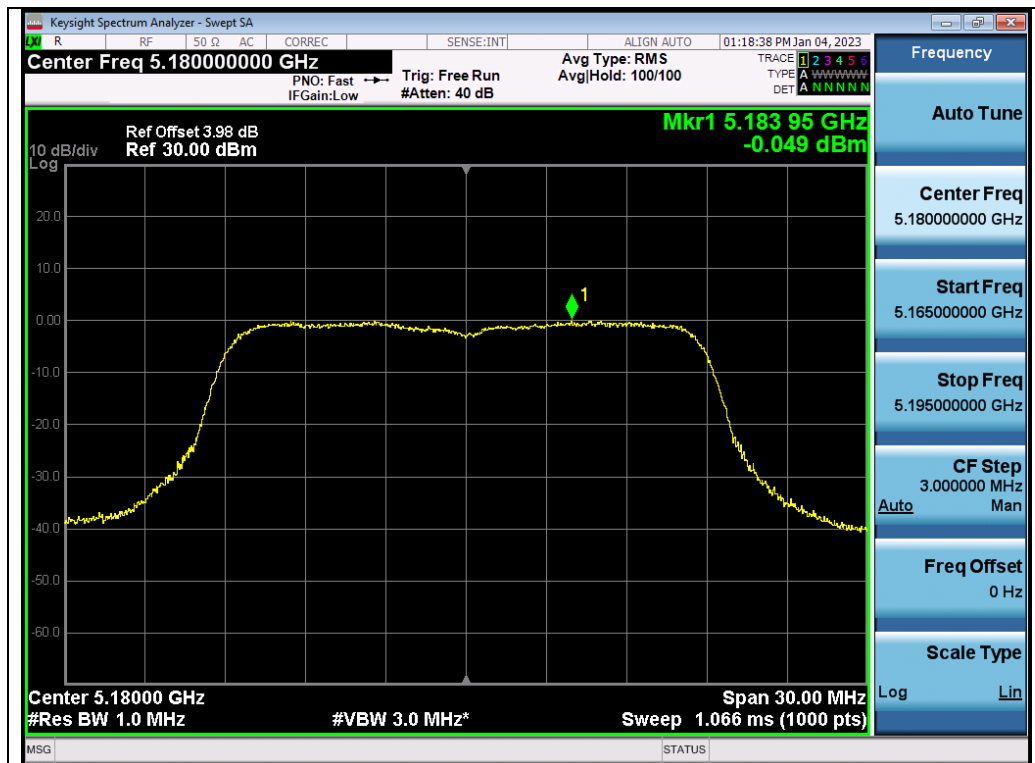


Test\_Graph\_802.11n40\_ANT1\_5190\_MCS0\_PSD



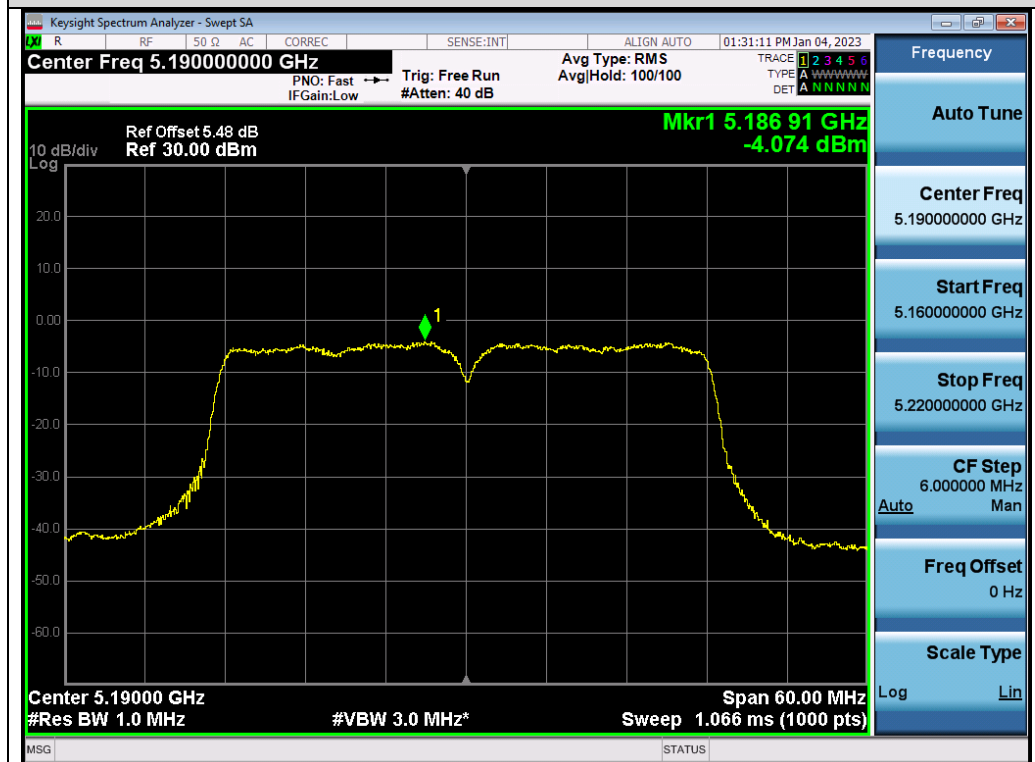
Test\_Graph\_802.11n40\_ANT1\_5230\_MCS0\_PSD

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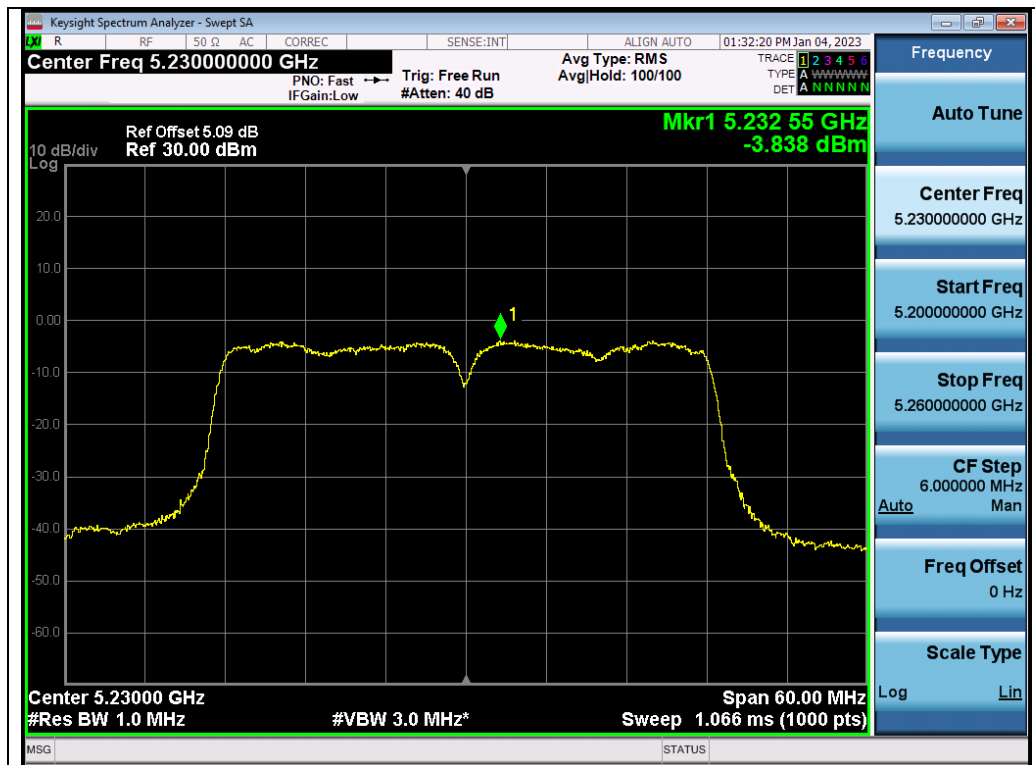
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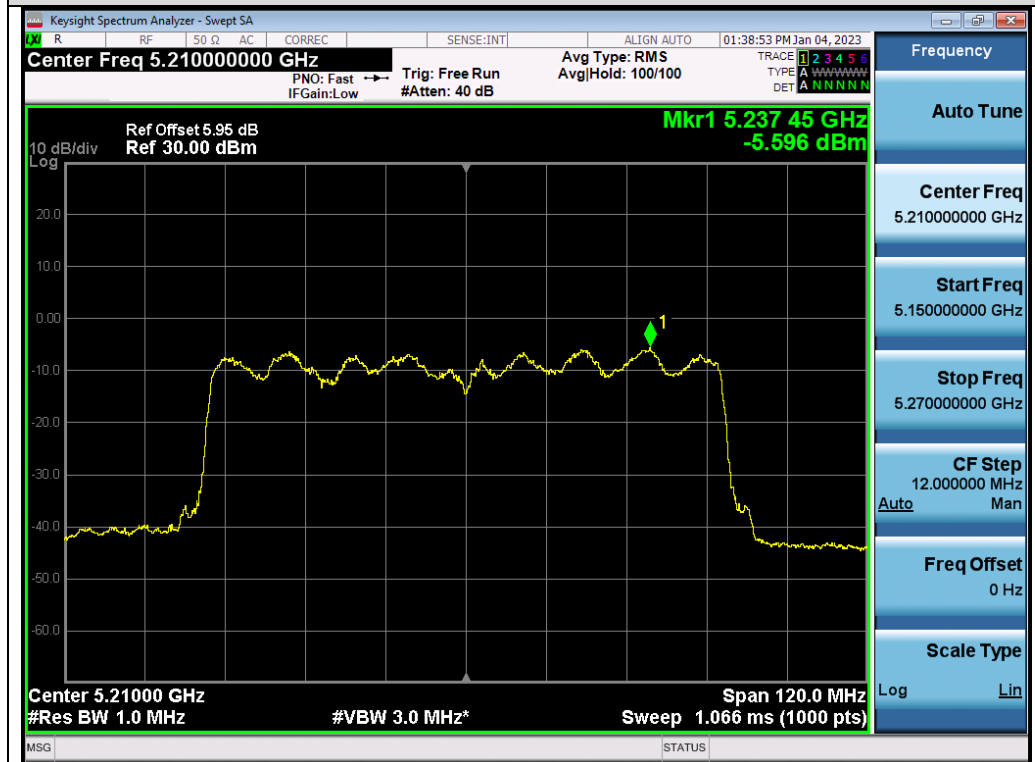


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Test\_Graph\_802.11ac40\_ANT1\_5230\_MCS9\_PSD

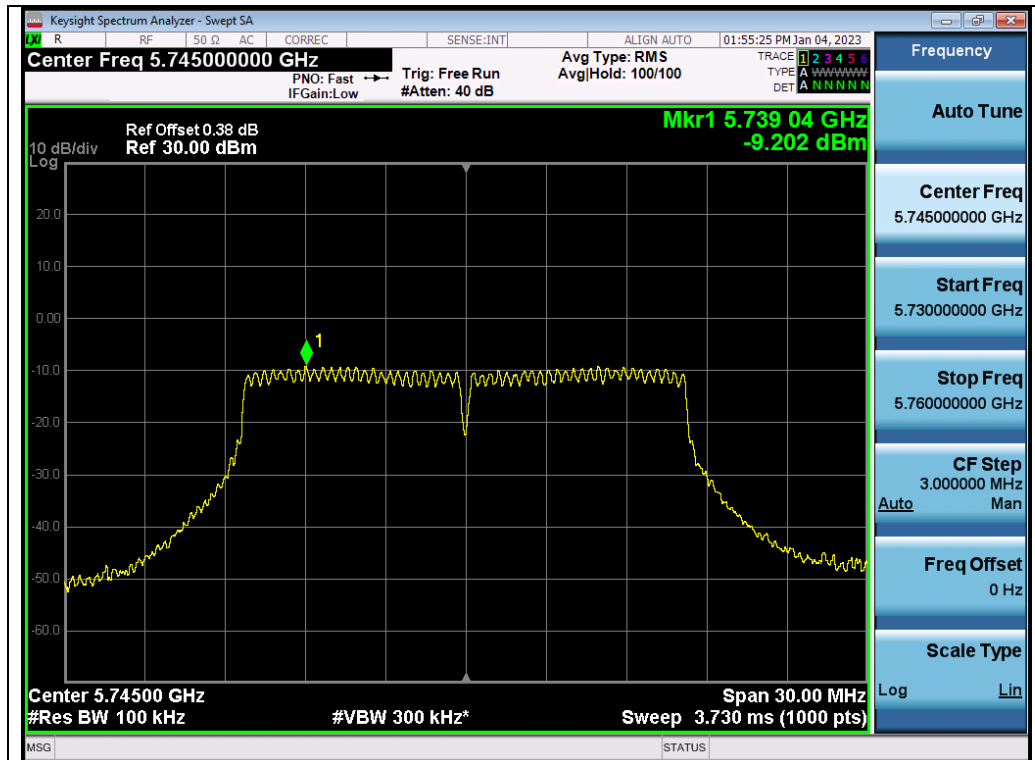


Test\_Graph\_802.11ac80\_ANT1\_5210\_MCS9\_PSD

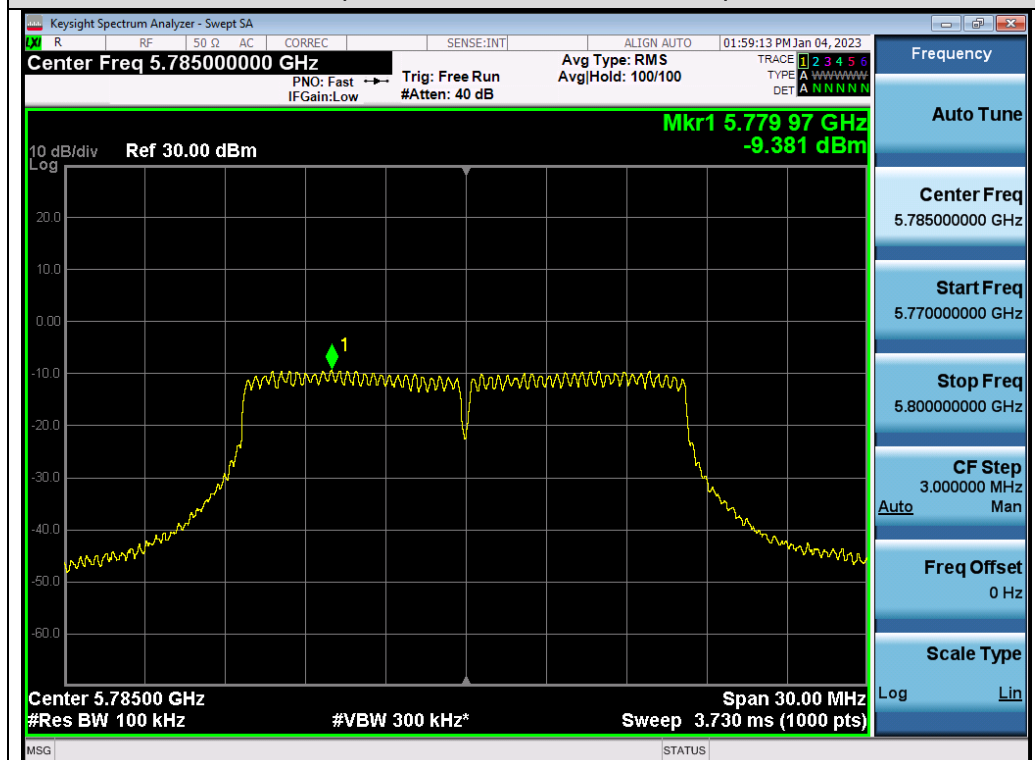
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### Test Graphs of Conducted Output Power Spectral Density for band 5.725-5.85 GHz

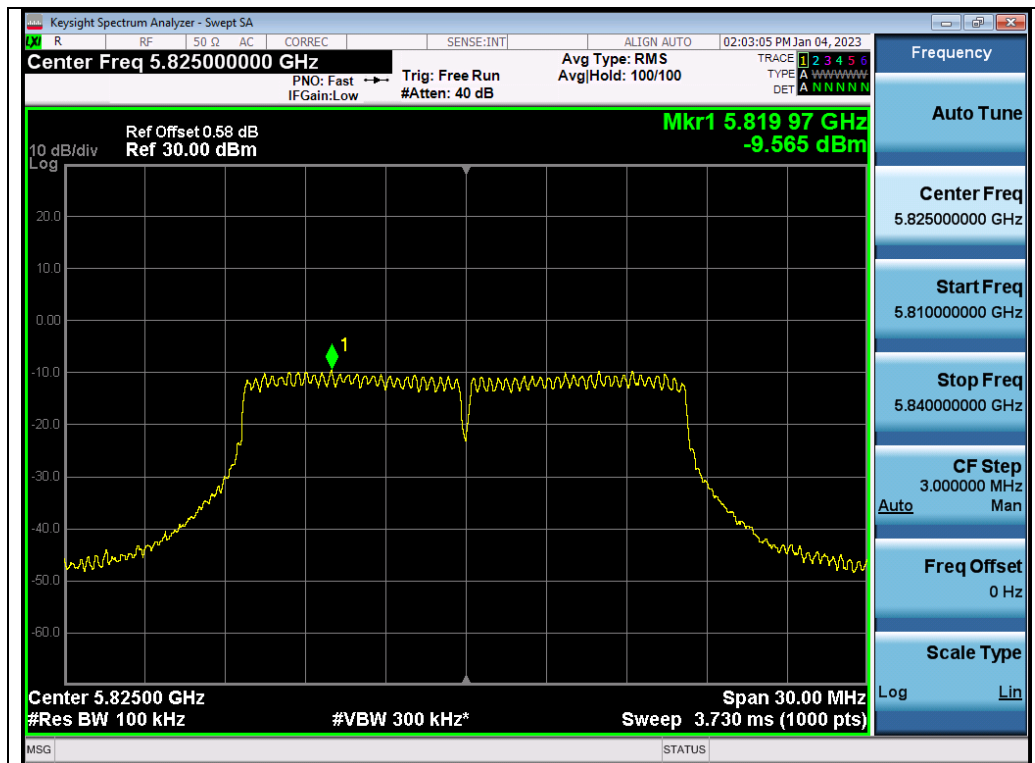


Test\_Graph\_802.11a\_ANT1\_5745\_6Mbps\_PSD

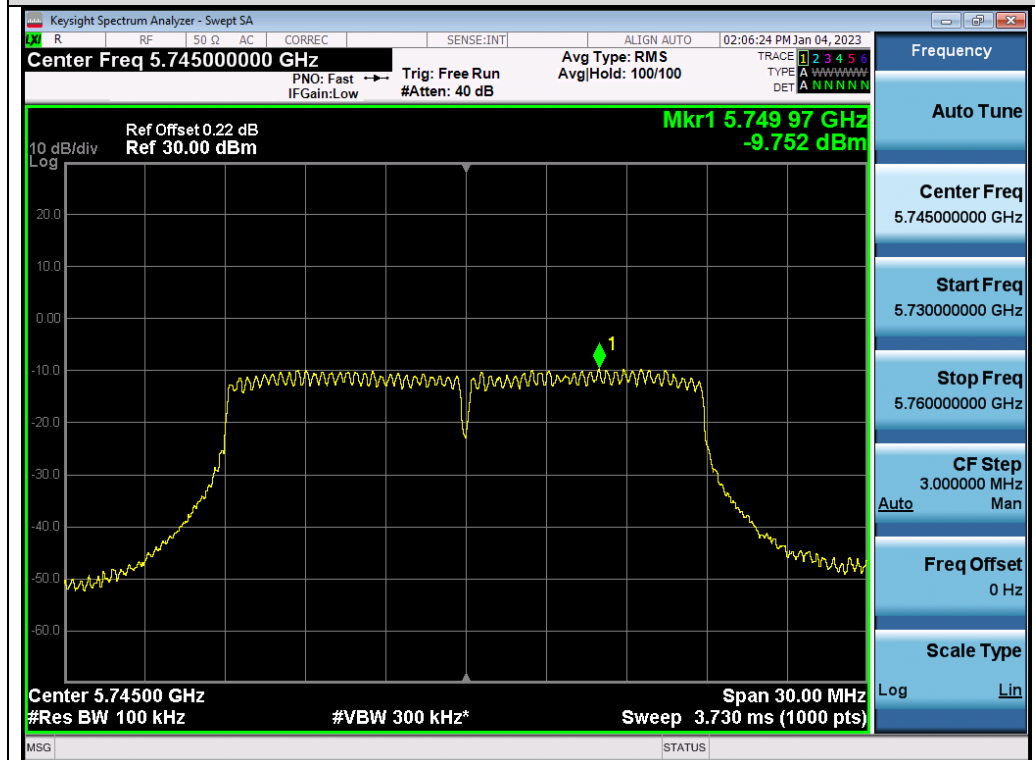


Test\_Graph\_802.11a\_ANT1\_5785\_6Mbps\_PSD

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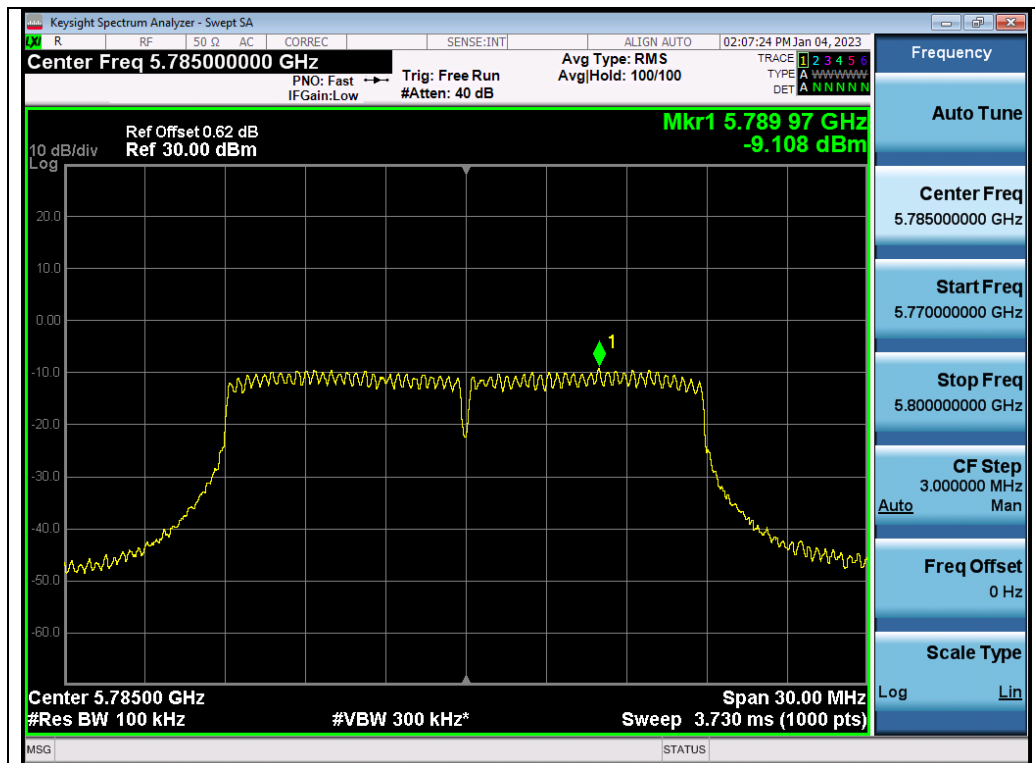


Test\_Graph\_802.11a\_ANT1\_5825\_6Mbps\_PSD

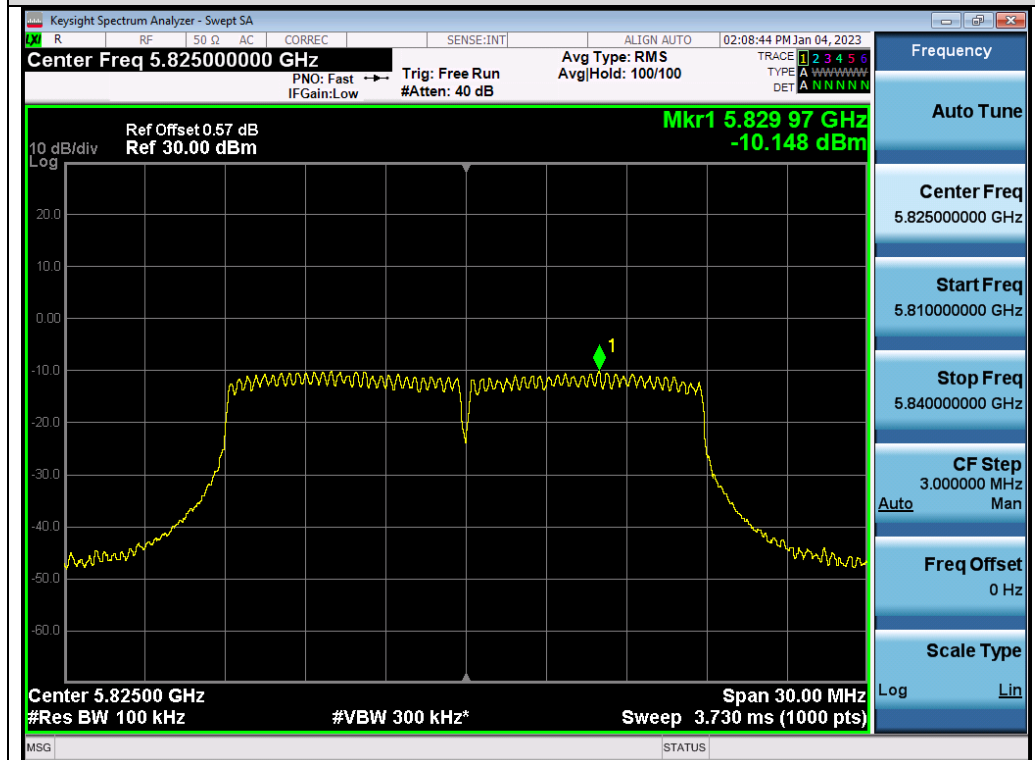


Test\_Graph\_802.11n20\_ANT1\_5745\_MCS0\_PSD

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Test\_Graph\_802.11n20\_ANT1\_5785\_MCS0\_PSD



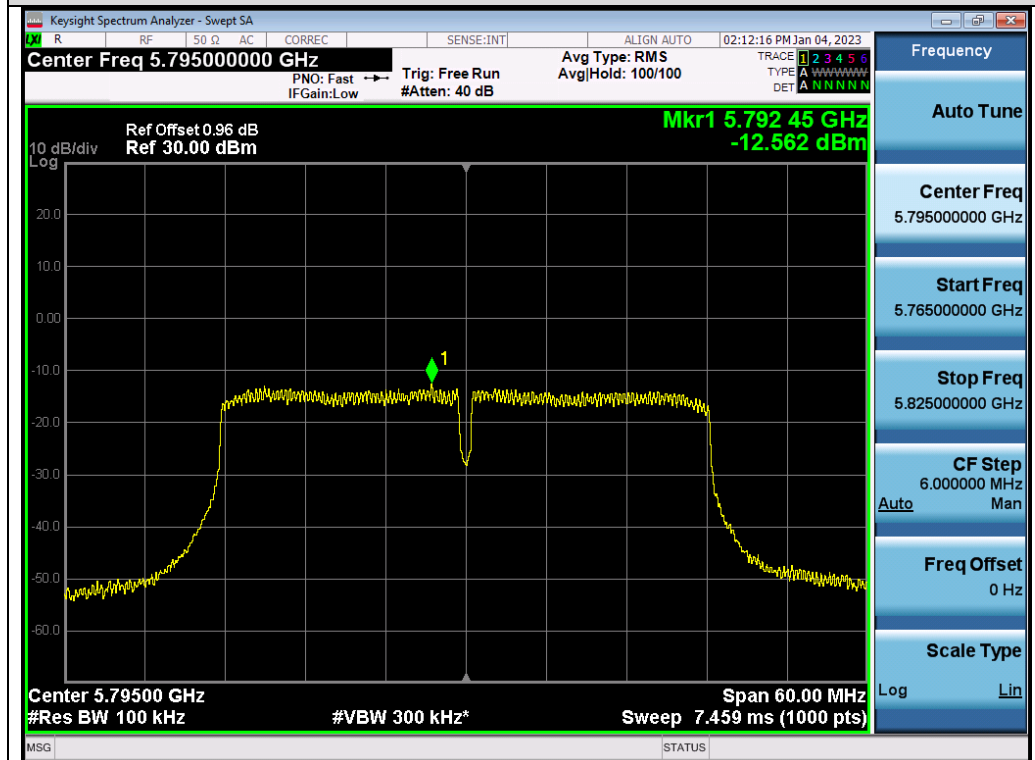
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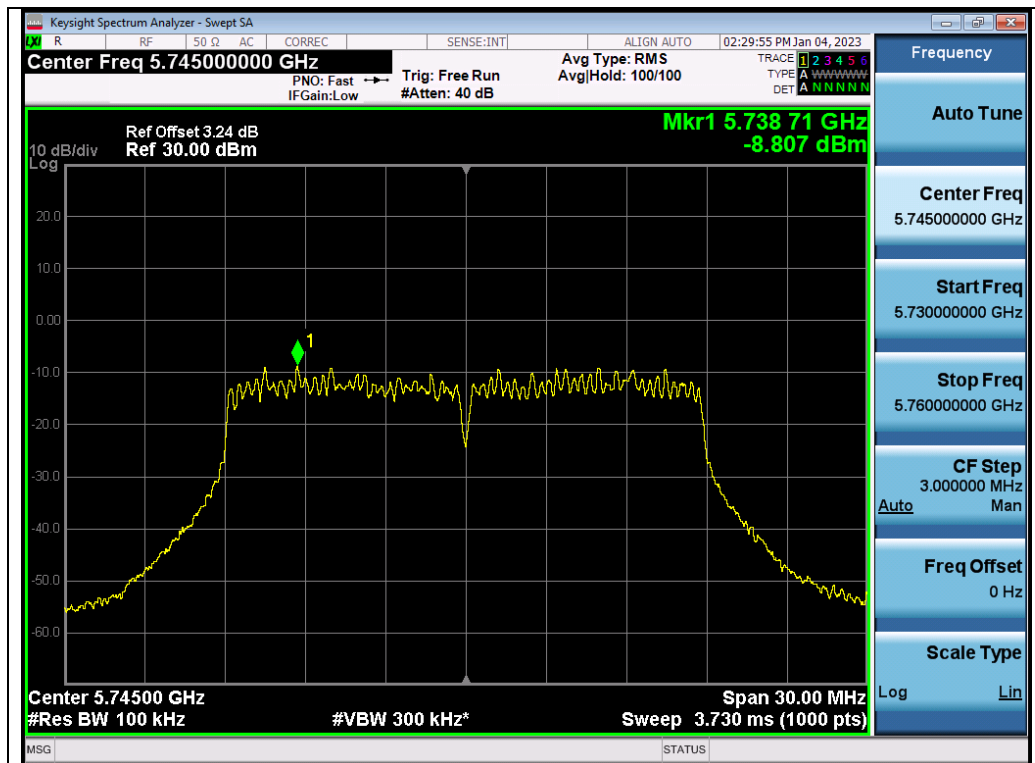


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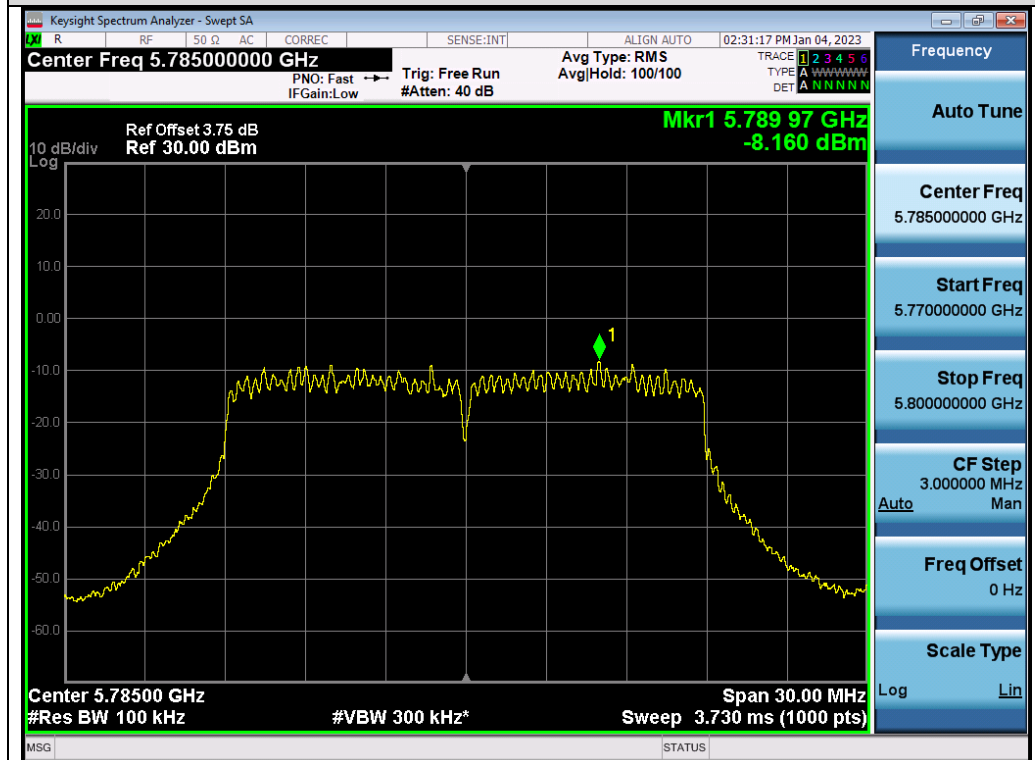


Test\_Graph\_802.11n40\_ANT1\_5795\_MCS0\_PSD

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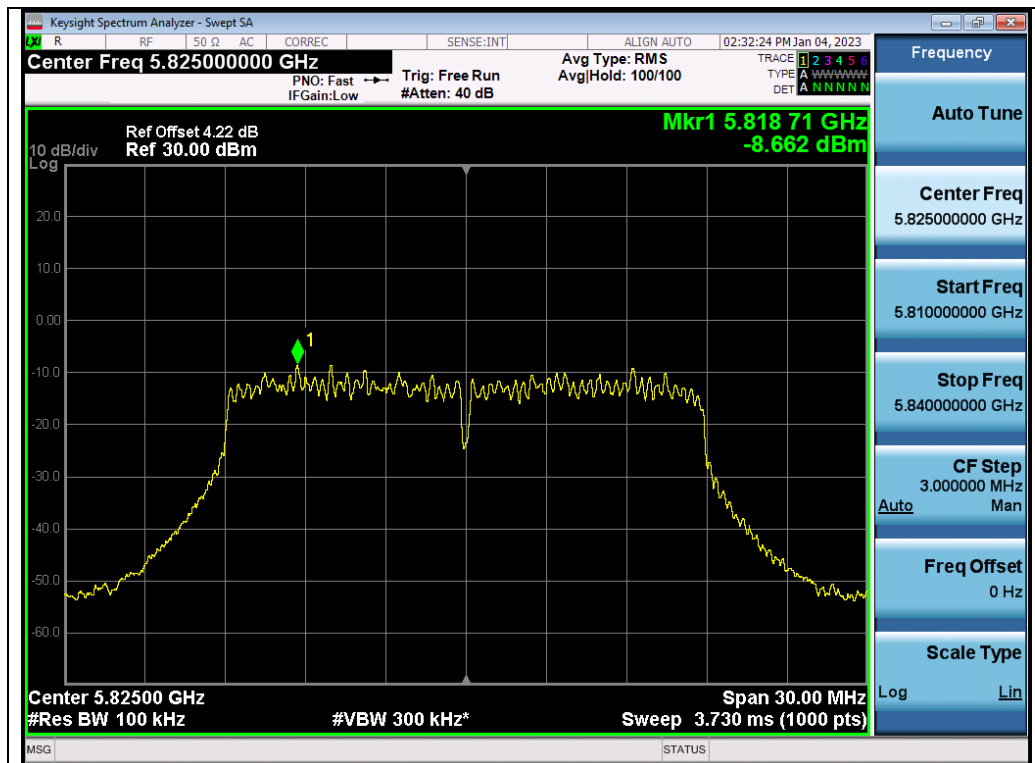
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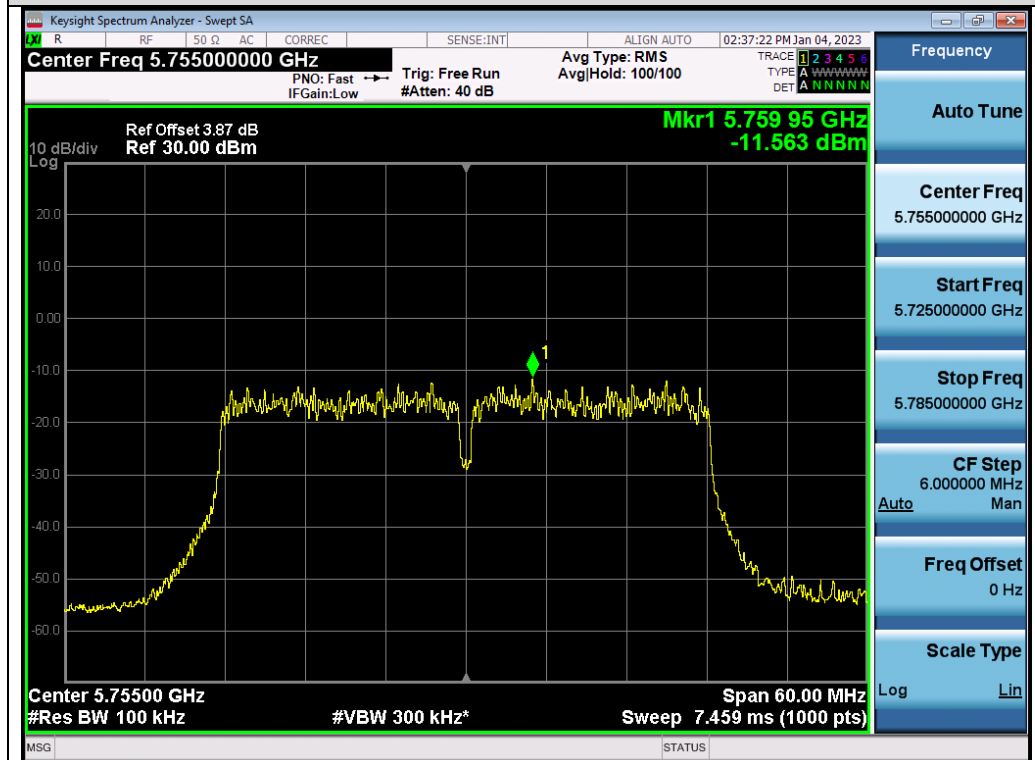
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Test\_Graph\_802.11ac20\_ANT1\_5825\_MCS9\_PSD

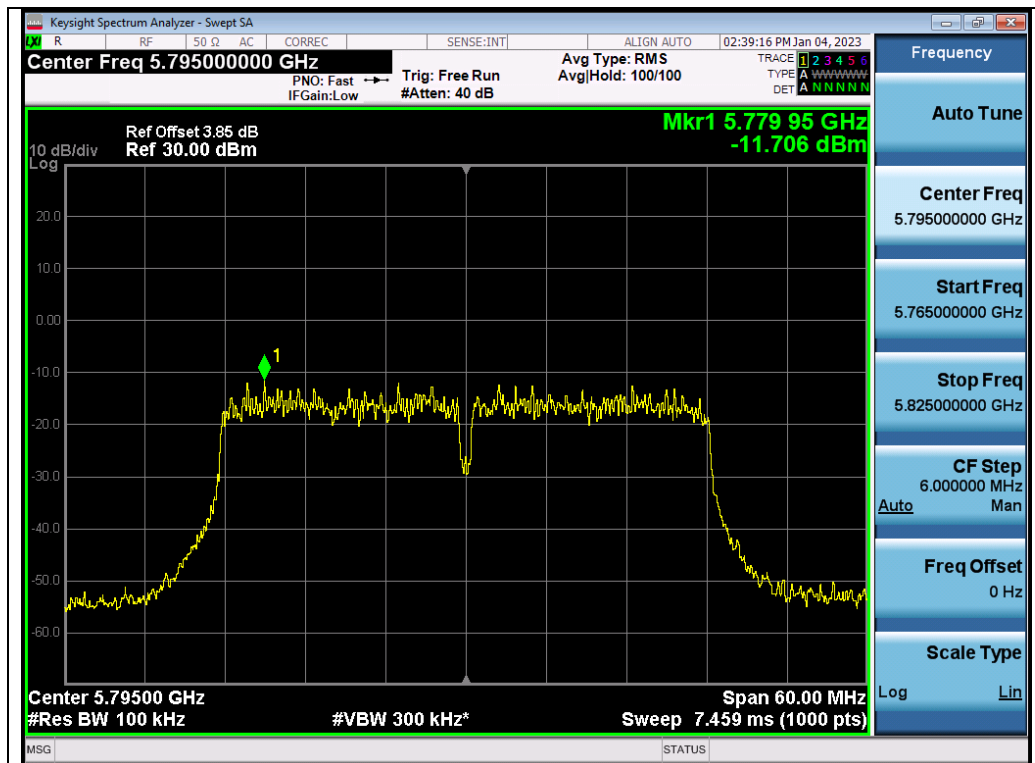


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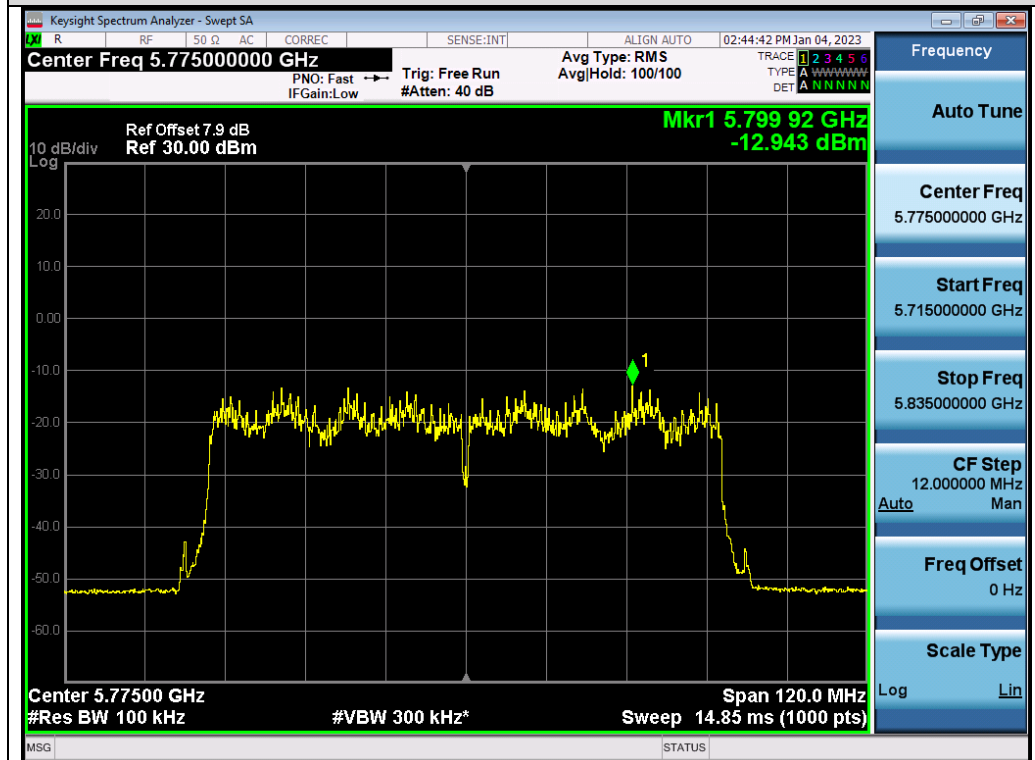
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Test\_Graph\_802.11ac80\_ANT1\_5775\_MCS9\_PSD

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