FCC Test Report

Report No.: AGC02762220807FE06

FCC ID	:	2AL26-K6
APPLICATION PURPOSE	:	Original Equipment
PRODUCT DESIGNATION	:	Body Worn Camera
BRAND NAME	:	Reveal Media
MODEL NAME	:	K6
APPLICANT	:	Reveal Media Limited
DATE OF ISSUE	:	Oct. 13, 2022
STANDARD(S) **TEST PROCEDURE(S)**	:	FCC Part 15.407 KDB 789033 D02 v02r01
REPORT VERSION	:	V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd

REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Oct. 13, 2022	Valid	Initial Release

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1. VERIFICATION OF CONFORMITY

Applicant	Reveal Media Limited
Address	Riverview House, 20 Old Bridge Street, Hampton Wick, KT1 4BU, UNITED KINGDOM
Manufacturer	Reveal Media Hong Kong Ltd.
Address	6/F., Luk Kwok Centre, 72 Gloucester Road, Wan Chai, Hong Kong
Factory	Reveal Media Hong Kong Ltd.
Address	6/F., Luk Kwok Centre, 72 Gloucester Road, Wan Chai, Hong Kong
Product Designation	Body Worn Camera
Brand Name	Reveal Media
Test Model	K6
Date of receipt of test item	Aug. 17, 2022
Date of test	Aug. 17, 2022~Oct. 13, 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	Bibo Zhang	
	Bibo Zhang (Project Engineer)	Oct. 13, 2022
Reviewed By	Calvin Liu	
	Calvin Liu (Reviewer)	Oct. 13, 2022
Approved By	Max Zhang	
	Max Zhang Authorized Officer	Oct. 13, 2022

2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

The EUT is designed as “Body Worn Camera”. 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	☐ Outdoor access points ☐ Indoor access points ☐ Fixed P2P access points ☒ Client devices
Operation Frequency	☒ U-NII 1:5150MHz~5250MHz ☒ U-NII 2A: 5250MHz~5350MHz ☒ U-NII 2C:5470MHz~5725MHz ☒ U-NII 3: 5725MHz~5850MHz
DFS Design Type	☐ Master ☐ Slave with radar detection ☒ Slave without radar detection
TPC Function	☐ Yes ☒ No
Test Frequency Range	For 802.11a/n-HT20/ac-VHT20: 5180~5240MHz, 5260~5320MHz, 5500~5720MHz, 5745~5825MHz For 802.11n-HT40/ac-VHT40: 5190~5230MHz, 5270~5310MHz, 5510~5710MHz, 5755~5795MHz For 802.11ac-VHT80: 5210MHz, 5290MHz, 5530~5690MHz, 5775MHz
Max Average Power	IEEE 802.11a:12.81dBm; IEEE 802.11n-HT20:12.54dBm; IEEE 802.11n-HT40:12.48dBm; IEEE 802.11ac-VHT20:11.50dBm; IEEE 802.11ac-VHT40:11.41dBm; IEEE 802.11ac-VHT80:10.84dBm
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 868.8Mbps
Number of channels	7 channels of U-NII-1 Band 7 channels of U-NII-2A Band 21 channels of U-NII 2C Band 8 channels of U-NII-3 Band
Hardware Version	EP-VRM04MB-03
Software Version	V1.0
Antenna Designation	PIFA Antenna (Comply with requirements of the FCC part 15.203)
Antenna Gain	1.82dBi
Power Supply	DC 3.8V 4500Mah by battery

2.2. TABLE OF CARRIER FREQUENCYS

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 5500~5720MHz:

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

Channel	Frequency	Channel	Frequency
100	5500 MHz	124	5620 MHz
104	5520 MHz	128	5640 MHz
108	5540 MHz	132	5660 MHz
112	5560 MHz	136	5680 MHz
116	5580 MHz	140	5700 MHz
120	5600 MHz	144	5720 MHz

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

Channel	Frequency	Channel	Frequency
102	5510 MHz	126	5630 MHz
110	5550 MHz	134	5670 MHz
118	5590 MHz	142	5710 MHz

3 channel is provided for 802.11ac (VHT80):

Channel	Frequency	Channel	Frequency
106	5530 MHz	122	5610 MHz
138	5690 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	--	--

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

This submittal(s) (test report) is intended for **FCC ID: 2AL26-K6** 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 ±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 = ±3.1 dB
Uncertainty of Radiated Emission below 1GHz	U_c = ±4.0 dB
Uncertainty of Radiated Emission above 1GHz	U_c = ±4.8 dB
Uncertainty of total RF power, conducted	U_c = ±0.8 dB
Uncertainty of RF power density, conducted	U_c = ±2.6 dB
Uncertainty of spurious emissions, conducted	U_c = ±2 %
Uncertainty of Occupied Channel Bandwidth	U_c = ±2 %

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:

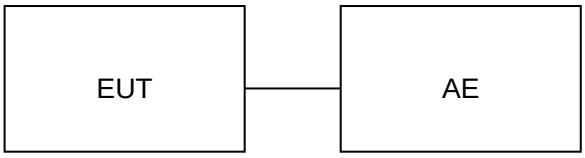
1. The EUT has been set to operate continuously on tested channel individually, and the EUT is operating at its maximum duty cycle>or equal 98%.
2. All modes under which configure applicable have been tested and the worst mode test data recording in the test report, if no other mode data.

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	Body Worn Camera	K6	2AL26-K6	EUT
2	Battery	IBR036GA	DC 3.8V 4500mAH	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

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	Aug. 04, 2022	Aug. 03, 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	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	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. 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
Broadband Preamplifier	ETS LINDGREN	3117PA	00225134	Sep. 01, 2022	Aug. 31, 2023
ANTENNA	SCHWARZBECK	VULB9168	494	Jan. 08, 2021	Jan. 07, 2023
Test software	Tonscend	JS32-RE	Ver.2.5	N/A	N/A

7. MAXIMUM CONDUCTED OUTPUT POWER

7.1. MEASUREMENT PROCEDURE

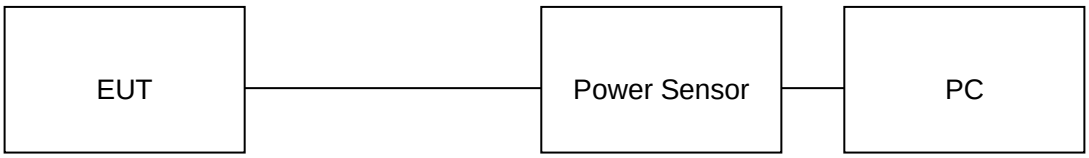
For average power test:

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



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	**12.81**	24	Pass
	5200	12.32	24	Pass
	5240	12.09	24	Pass
802.11n20	5180	12.54	24	Pass
	5200	12.16	24	Pass
	5240	11.87	24	Pass
802.11n40	5190	12.48	24	Pass
	5230	11.44	24	Pass
802.11ac20	5180	11.80	24	Pass
	5200	11.50	24	Pass
	5240	11.12	24	Pass
802.11ac40	5190	11.41	24	Pass
	5230	10.95	24	Pass
802.11ac80	5210	10.84	24	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	11.95	24	Pass
	5300	11.55	24	Pass
	5320	11.51	24	Pass
802.11n20	5260	11.58	24	Pass
	5300	11.22	24	Pass
	5320	11.17	24	Pass
802.11n40	5270	11.46	24	Pass
	5310	11.54	24	Pass
802.11ac20	5260	11.20	24	Pass
	5300	10.98	24	Pass
	5320	10.87	24	Pass
802.11ac40	5270	10.60	24	Pass
	5310	10.70	24	Pass
802.11ac80	5290	10.67	24	Pass

Test Data of Conducted Output Power for band 5.47-5.725 GHz				
Test Mode	Test Channel (MHz)	Average Power (dBm)	Limits (dBm)	Pass or Fail
802.11a	5500	11.98	24	Pass
	5600	11.52	24	Pass
	5700	11.39	24	Pass
802.11n20	5500	11.75	24	Pass
	5600	11.27	24	Pass
	5700	10.90	24	Pass
802.11n40	5510	11.53	24	Pass
	5590	11.17	24	Pass
802.11ac20	5670	11.02	24	Pass
	5500	11.14	24	Pass
	5600	10.87	24	Pass
802.11ac40	5700	10.49	24	Pass
	5510	10.34	24	Pass
802.11ac80	5610	9.65	24	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	11.21	30	Pass
	5785	11.08	30	Pass
	5825	10.95	30	Pass
802.11n20	5745	10.97	30	Pass
	5785	10.66	30	Pass
	5825	10.59	30	Pass
802.11n40	5755	10.43	30	Pass
	5795	10.14	30	Pass
802.11ac20	5745	10.15	30	Pass
	5785	10.11	30	Pass
	5825	9.97	30	Pass
802.11ac40	5755	9.88	30	Pass
	5795	9.78	30	Pass
802.11ac80	5775	9.74	30	Pass

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 ≥3*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:

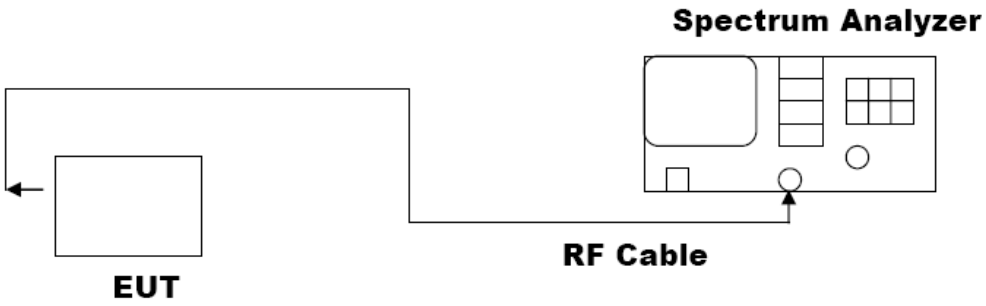
1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
3. Set Span = approximately 1.5 to 5 times the OBW, centered on a nominal channel
   The nominal IF filter bandwidth (3 dB RBW) shall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



8.3. LIMITS AND MEASUREMENT RESULTS

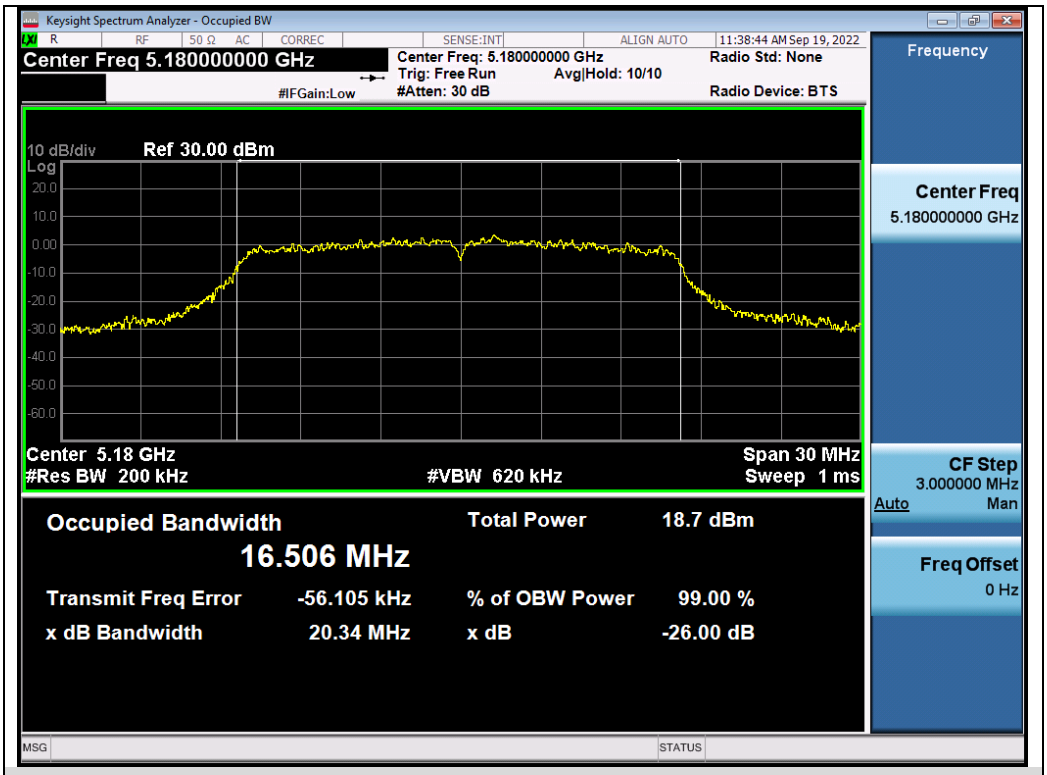
Test Data of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz					
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	-26dB Bandwidth (MHz)	Limits (MHz)	Pass or Fail
802.11a	5180	16.506	20.345	N/A	Pass
	5200	16.507	20.504	N/A	Pass
	5240	16.493	20.589	N/A	Pass
802.11n20	5180	17.548	19.893	N/A	Pass
	5200	17.584	20.428	N/A	Pass
	5240	17.583	20.830	N/A	Pass
802.11n40	5190	35.990	47.134	N/A	Pass
	5230	36.044	49.134	N/A	Pass
802.11ac20	5180	17.577	19.991	N/A	Pass
	5200	17.567	20.829	N/A	Pass
	5240	17.591	20.784	N/A	Pass
802.11ac40	5190	35.934	42.988	N/A	Pass
	5230	35.973	48.778	N/A	Pass
802.11ac80	5210	75.956	103.775	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	16.471	21.002	N/A	Pass
	5300	16.476	20.345	N/A	Pass
	5320	16.436	20.209	N/A	Pass
802.11n20	5260	17.579	20.782	N/A	Pass
	5300	17.567	20.312	N/A	Pass
	5320	17.551	19.894	N/A	Pass
802.11n40	5270	36.049	48.971	N/A	Pass
	5310	35.964	42.909	N/A	Pass
802.11ac20	5260	17.579	20.343	N/A	Pass
	5300	17.552	20.222	N/A	Pass
	5320	17.539	19.942	N/A	Pass
802.11ac40	5270	36.030	48.392	N/A	Pass
	5310	35.964	46.169	N/A	Pass
802.11ac80	5290	75.998	108.735	N/A	Pass

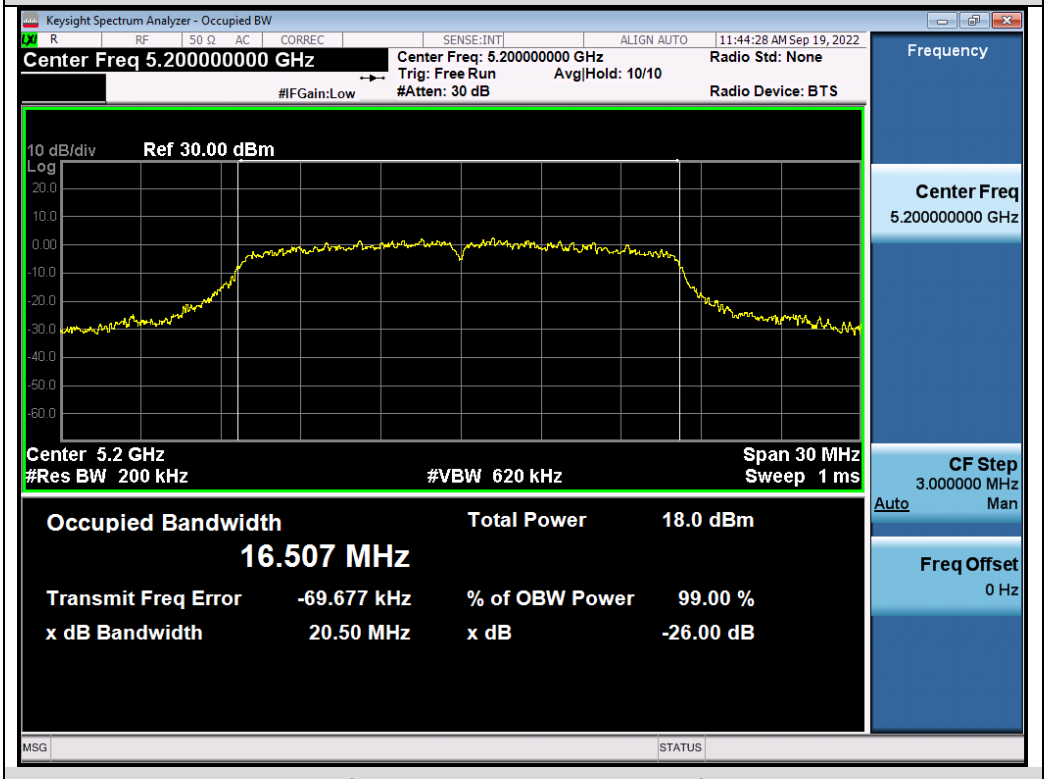
Test Data of Occupied Bandwidth and -26dB Bandwidth for band 5.47-5.325 GHz					
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	-26dB Bandwidth (MHz)	Limits (MHz)	Pass or Fail
802.11a	5500	16.461	19.912	N/A	Pass
	5600	16.437	20.204	N/A	Pass
	5700	16.475	20.250	N/A	Pass
802.11n20	5500	17.489	19.789	N/A	Pass
	5600	17.519	19.967	N/A	Pass
	5700	17.521	19.860	N/A	Pass
802.11n40	5510	35.886	40.607	N/A	Pass
	5590	35.936	40.783	N/A	Pass
	5670	35.936	42.047	N/A	Pass
802.11ac20	5500	17.490	19.776	N/A	Pass
	5600	17.498	19.813	N/A	Pass
	5700	17.521	19.956	N/A	Pass
802.11ac40	5510	35.896	40.623	N/A	Pass
	5590	35.897	40.410	N/A	Pass
802.11ac80	5610	76.059	100.675	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	16.508	15.097	0.5	Pass
	5785	16.495	15.038	0.5	Pass
	5825	16.473	15.325	0.5	Pass
802.11n20	5745	17.526	15.056	0.5	Pass
	5785	17.518	15.085	0.5	Pass
	5825	17.518	15.090	0.5	Pass
802.11n40	5755	35.922	35.088	0.5	Pass
	5795	35.915	35.083	0.5	Pass
802.11ac20	5745	17.534	15.026	0.5	Pass
	5785	17.523	15.024	0.5	Pass
	5825	17.511	15.082	0.5	Pass
802.11ac40	5755	35.897	35.039	0.5	Pass
	5795	35.886	35.026	0.5	Pass
802.11ac80	5775	75.611	75.716	0.5	Pass

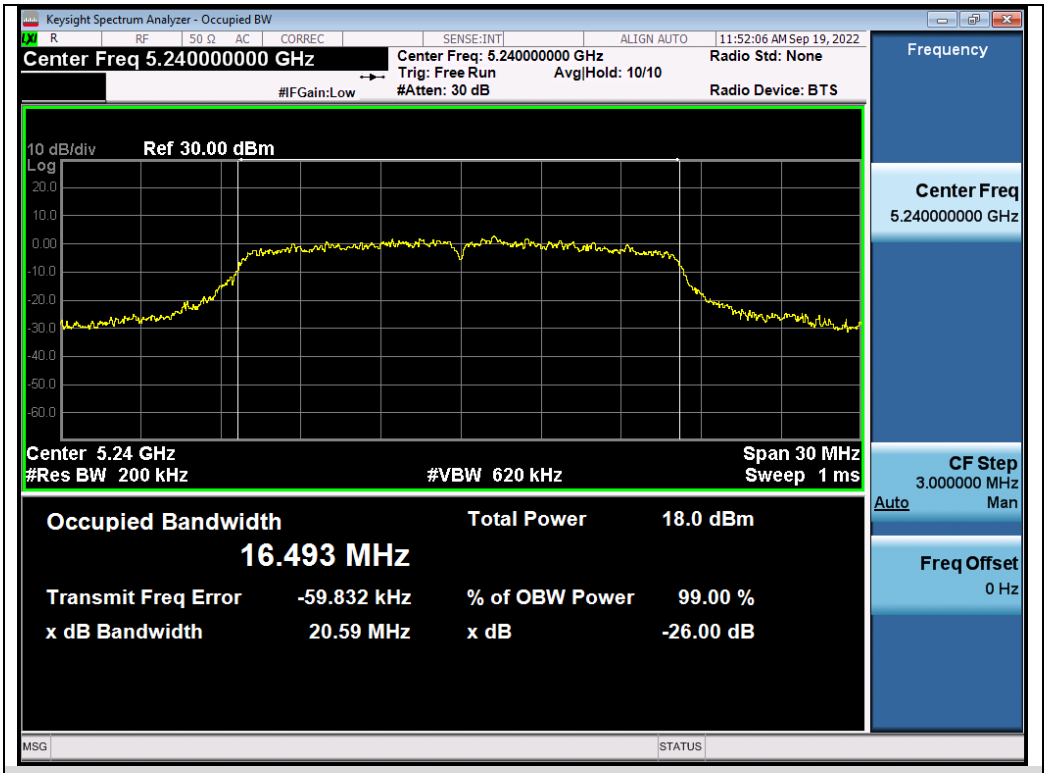
Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.15-5.25 GHz



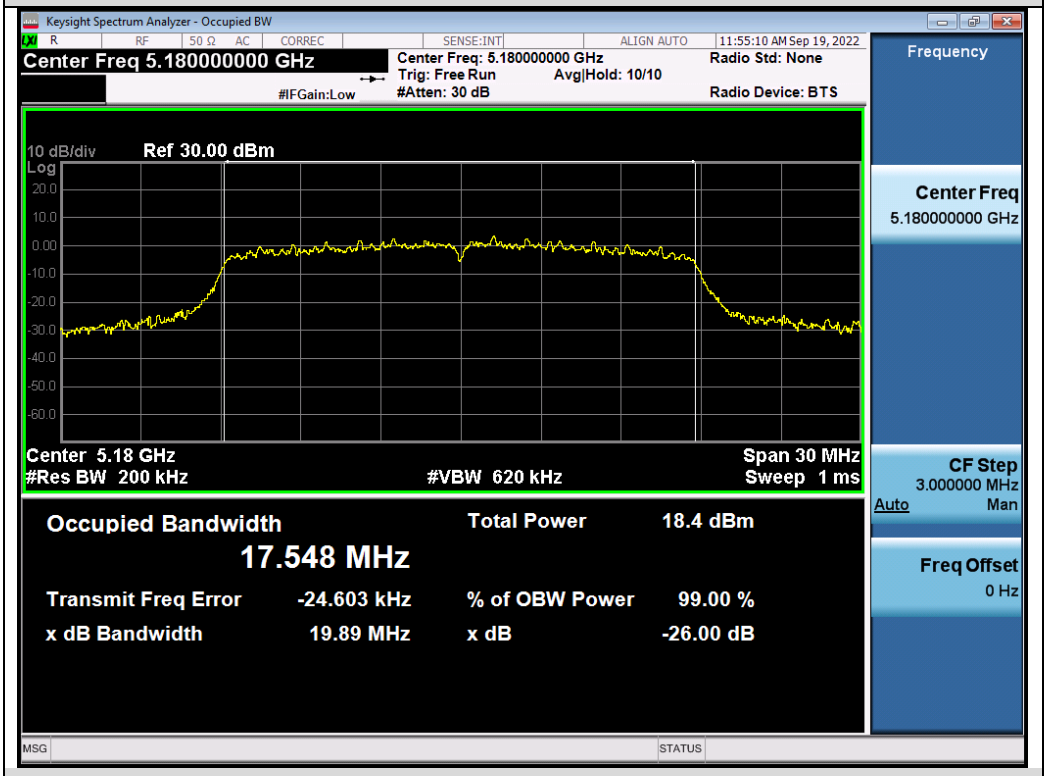
Test_Graph_802.11a_ANT1_5180_6Mbps_OBW



Test_Graph_802.11a_ANT1_5200_6Mbps_OBW

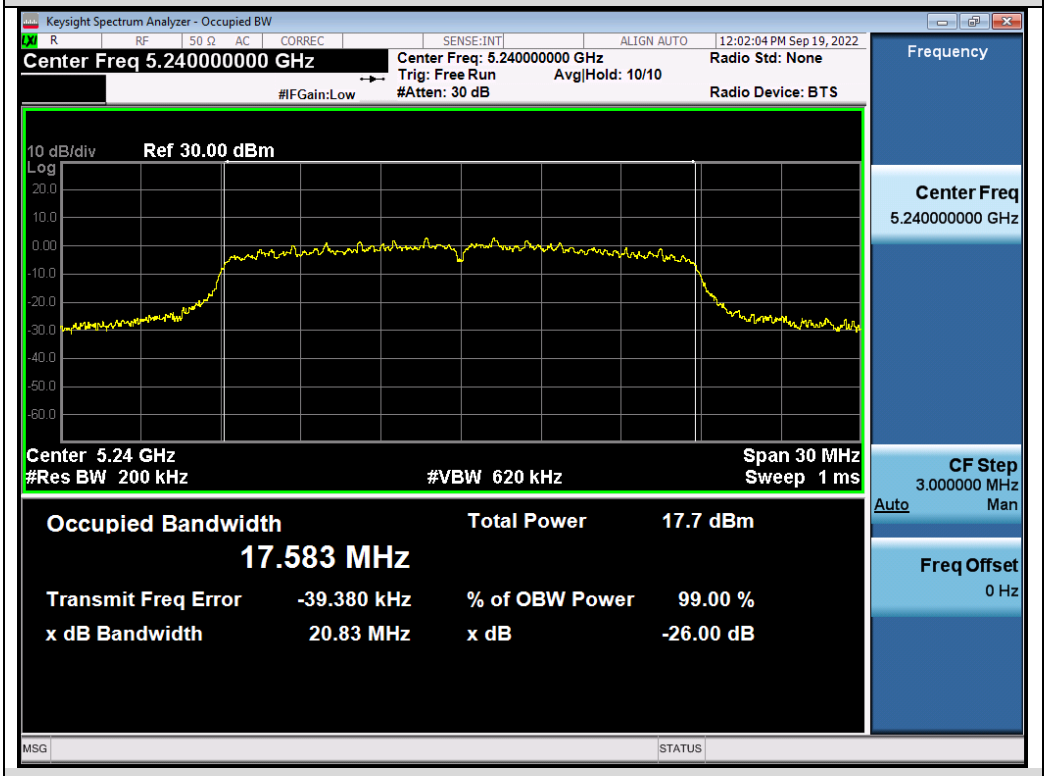


Test_Graph_802.11a_ANT1_5240_6Mbps_OBW

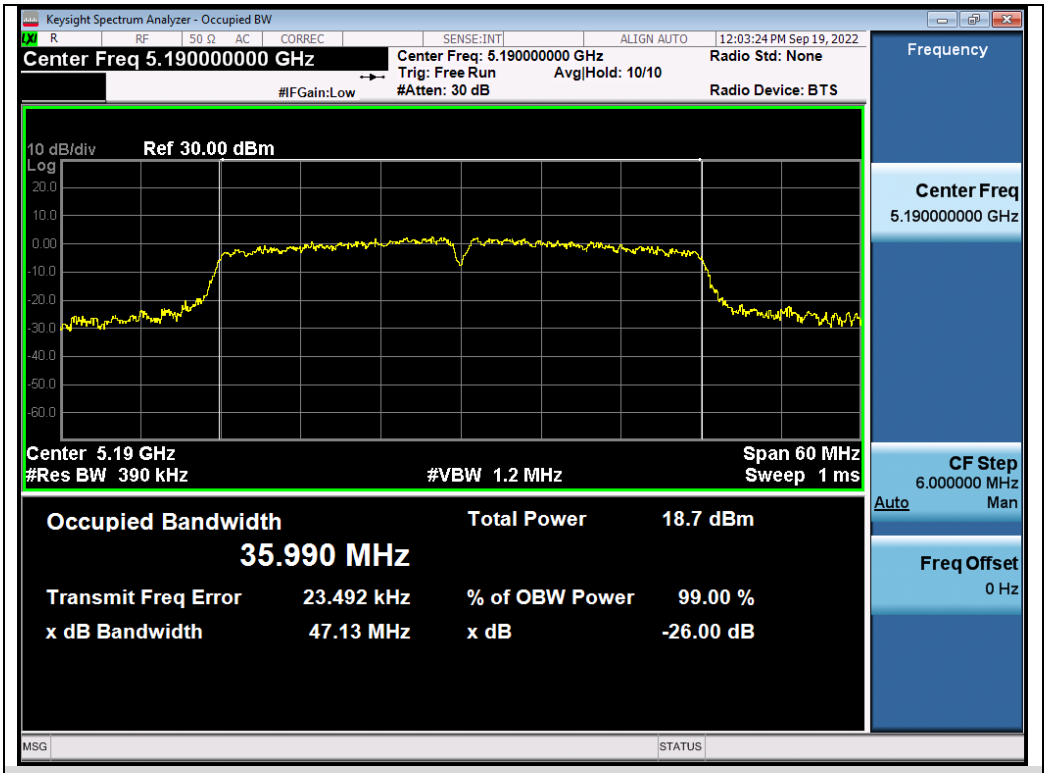


Test_Graph_802.11n20_ANT1_5180_MCS0_OBW

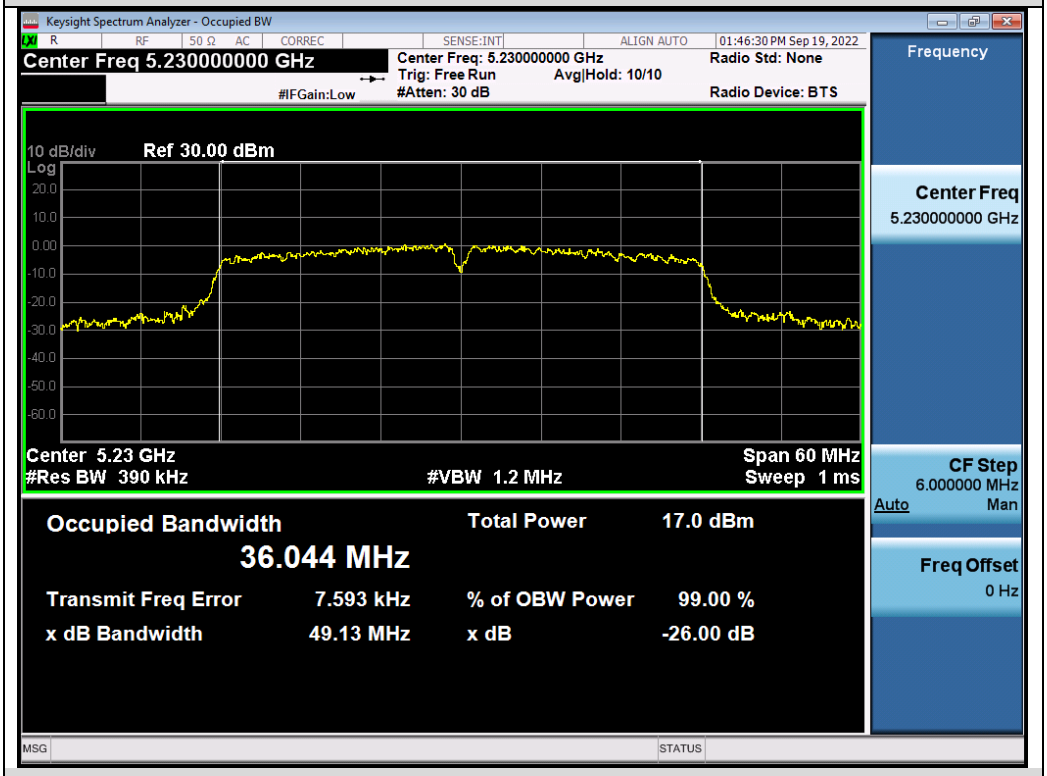
Test_Graph_802.11n20_ANT1_5200_MCS0_OBW



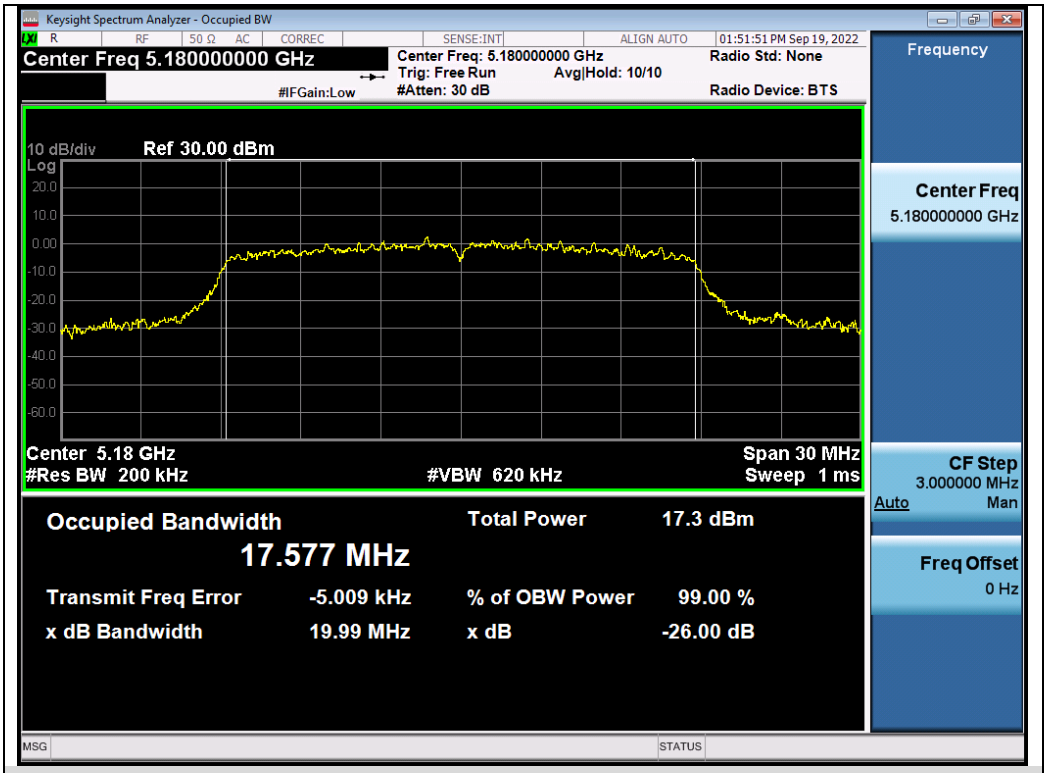
Test_Graph_802.11n20_ANT1_5240_MCS0_OBW



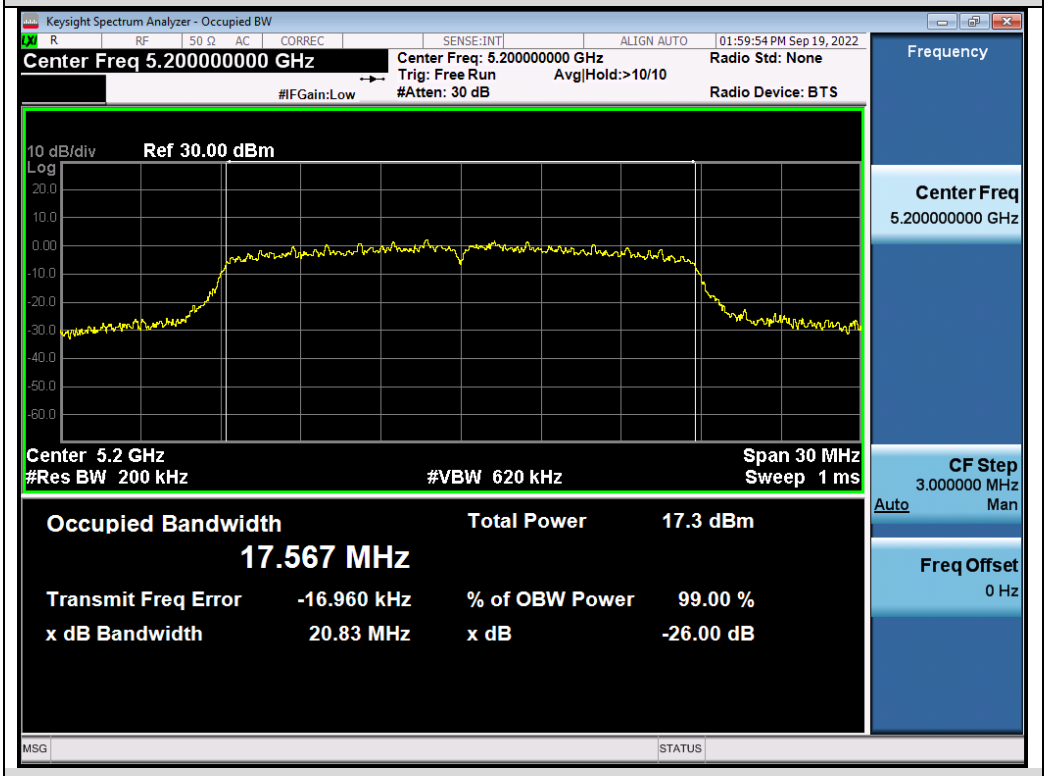
Test_Graph_802.11n40_ANT1_5190_MCS0_OBW



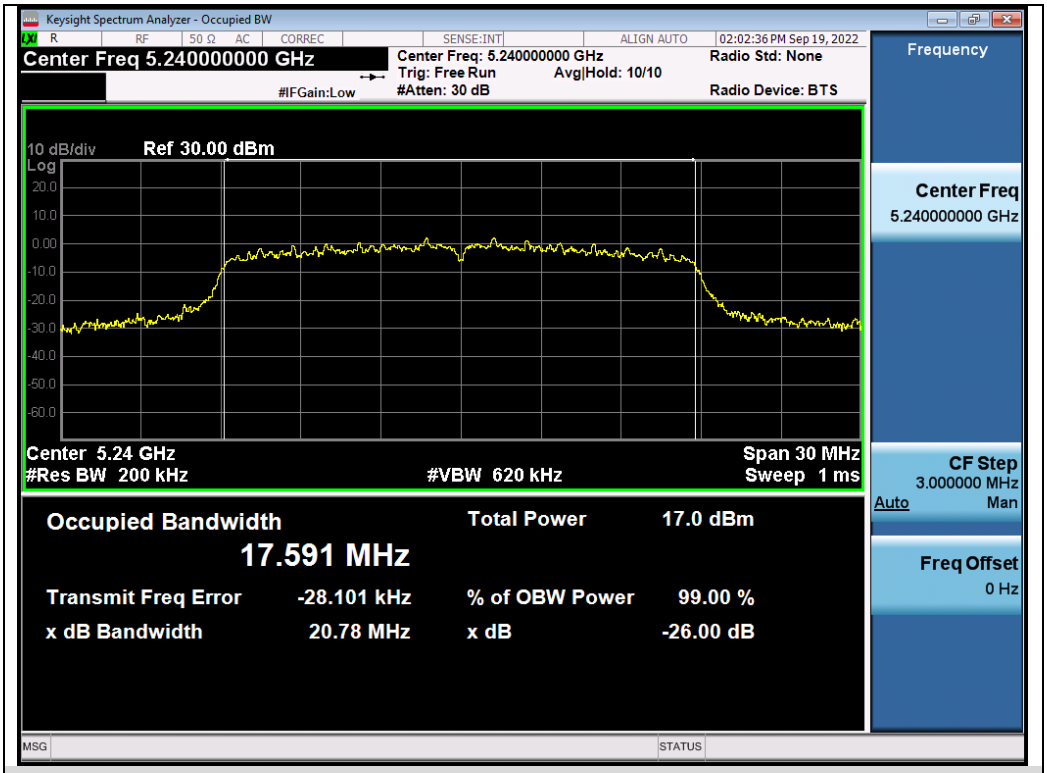
Test_Graph_802.11n40_ANT1_5230_MCS0_OBW



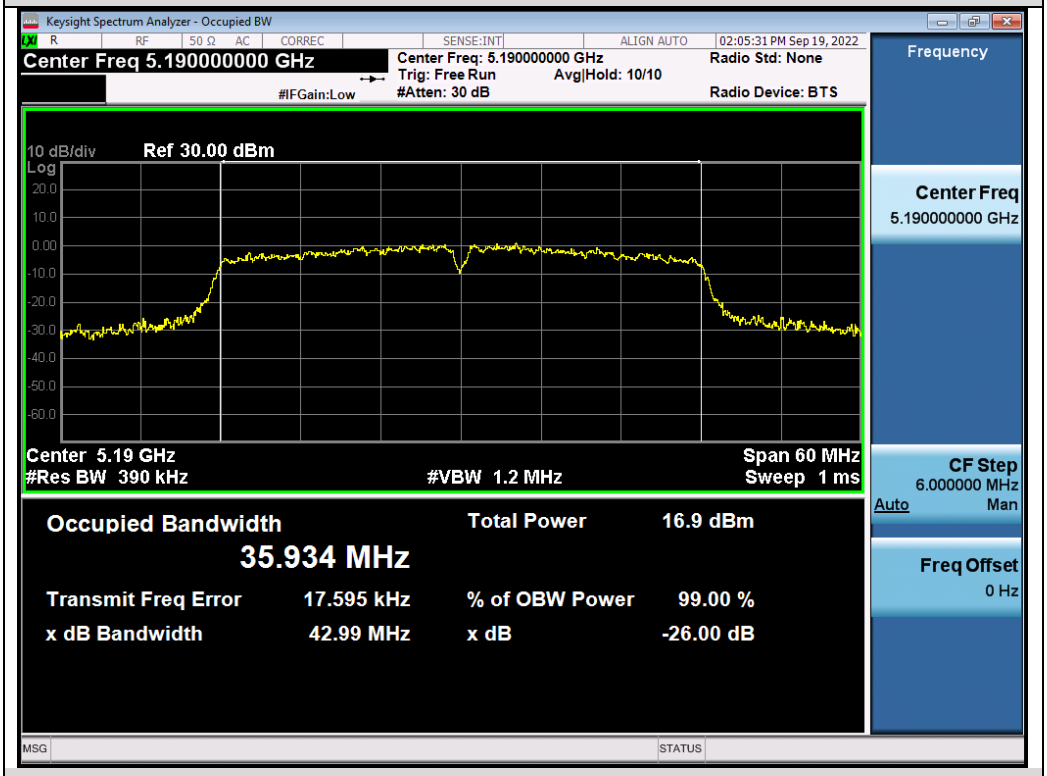
Test_Graph_802.11ac20_ANT1_5180_MCS0_OBW



Test_Graph_802.11ac20_ANT1_5200_MCS0_OBW

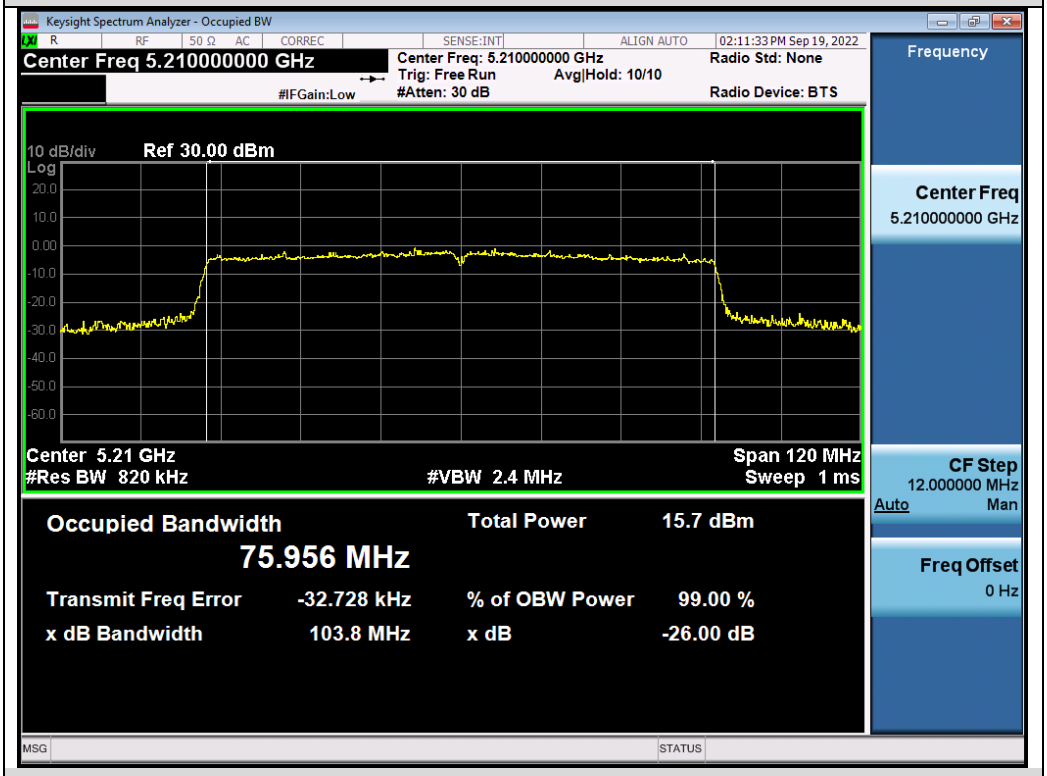


Test_Graph_802.11ac20_ANT1_5240_MCS9_OBW



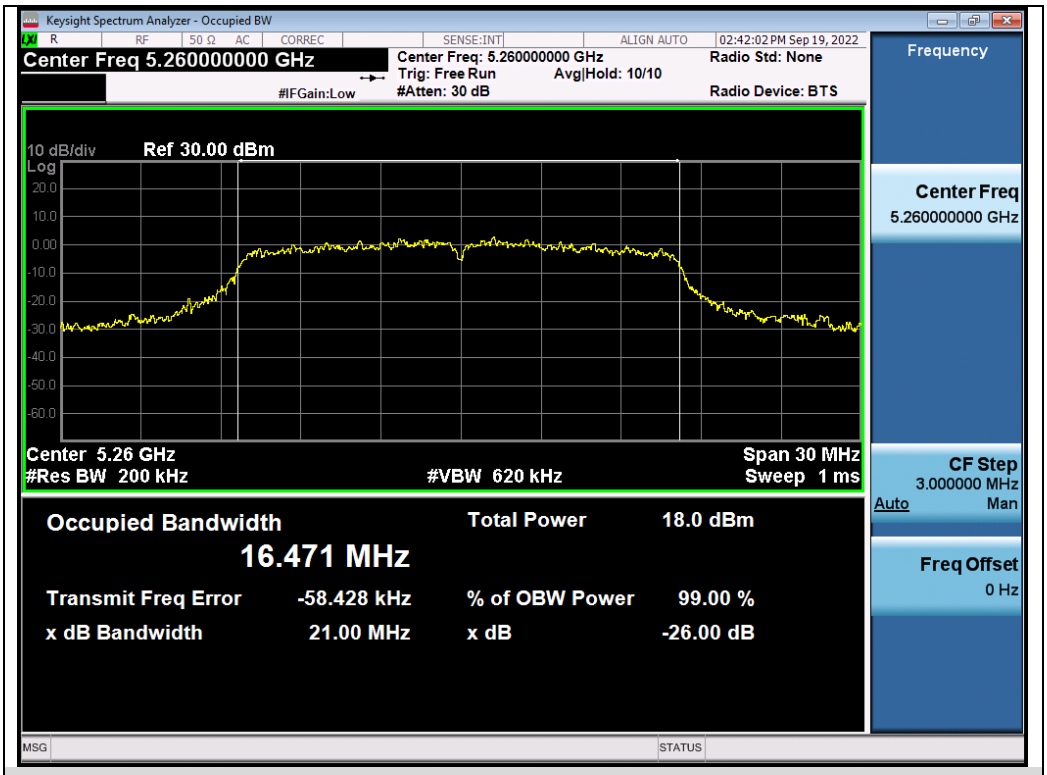
Test_Graph_802.11ac40_ANT1_5190_MCS9_OBW

Test_Graph_802.11ac40_ANT1_5230_MCS9_OBW

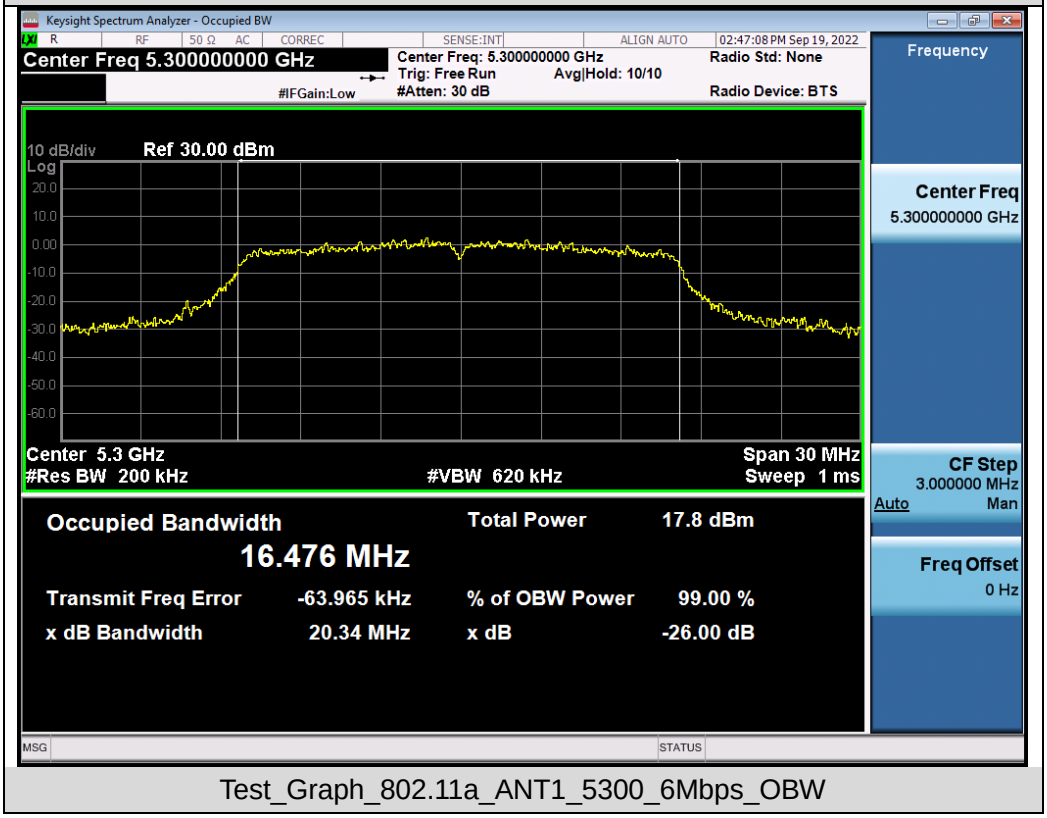


Test_Graph_802.11ac80_ANT1_5210_MCS9_OBW

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

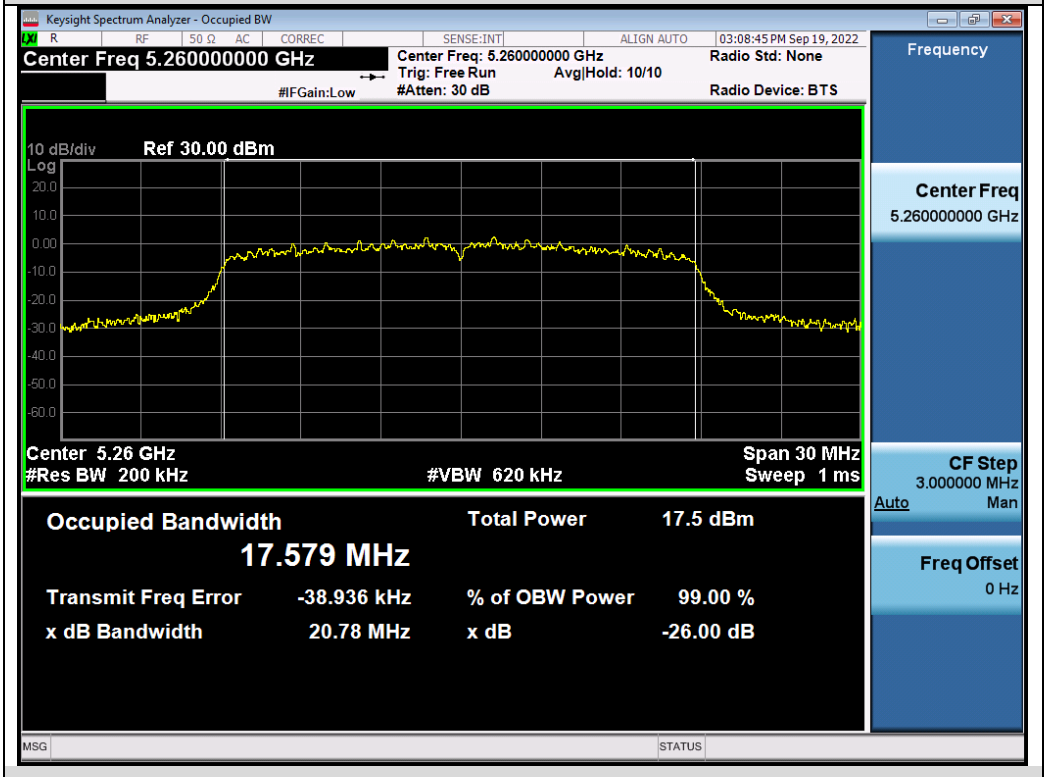


Test_Graph_802.11a_ANT1_5260_6Mbps_OBW

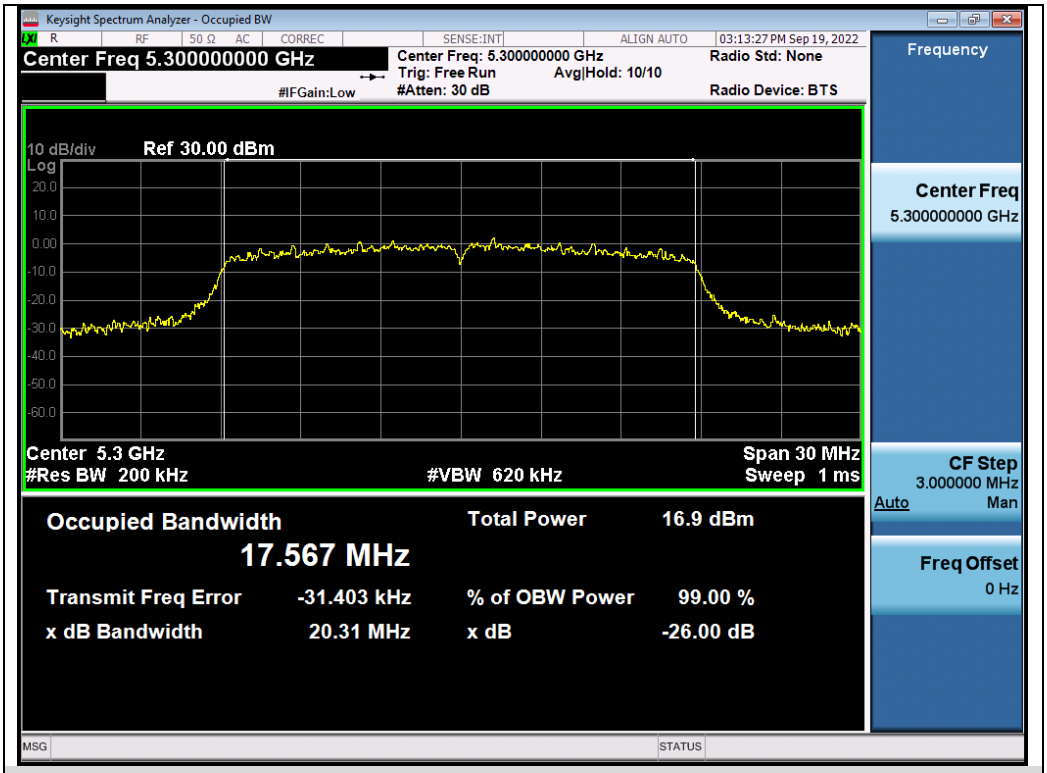


Test_Graph_802.11a_ANT1_5300_6Mbps_OBW

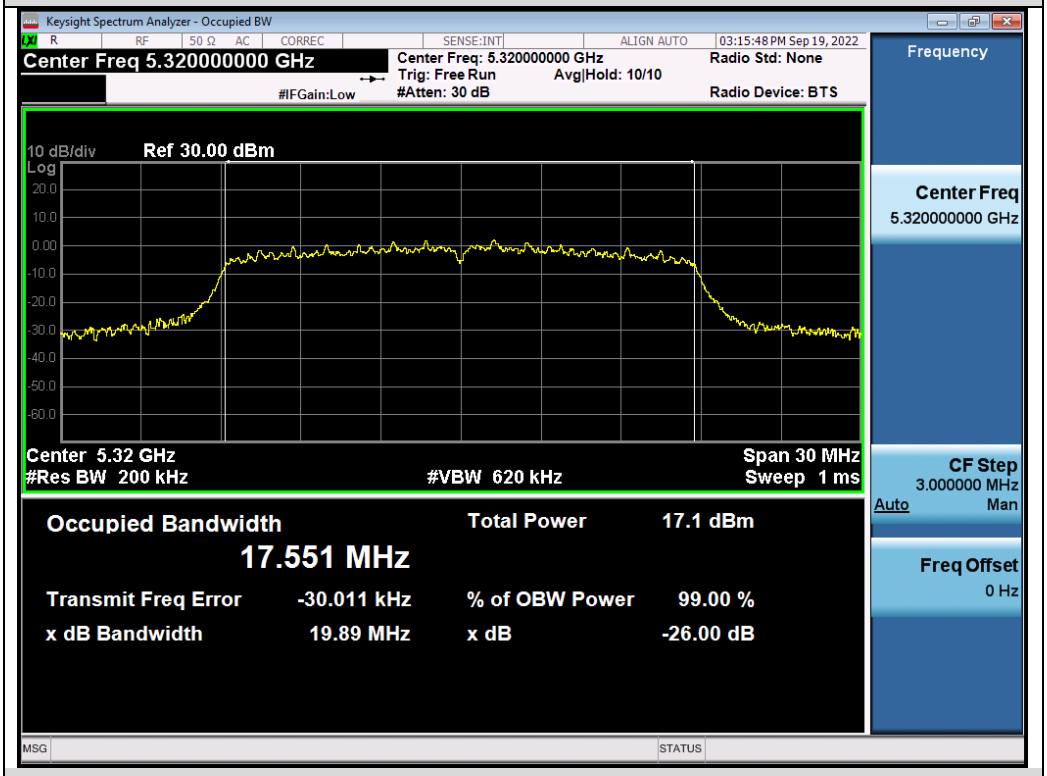
Test_Graph_802.11a_ANT1_5320_6Mbps_OBW



Test_Graph_802.11n20_ANT1_5260_MCS0_OBW

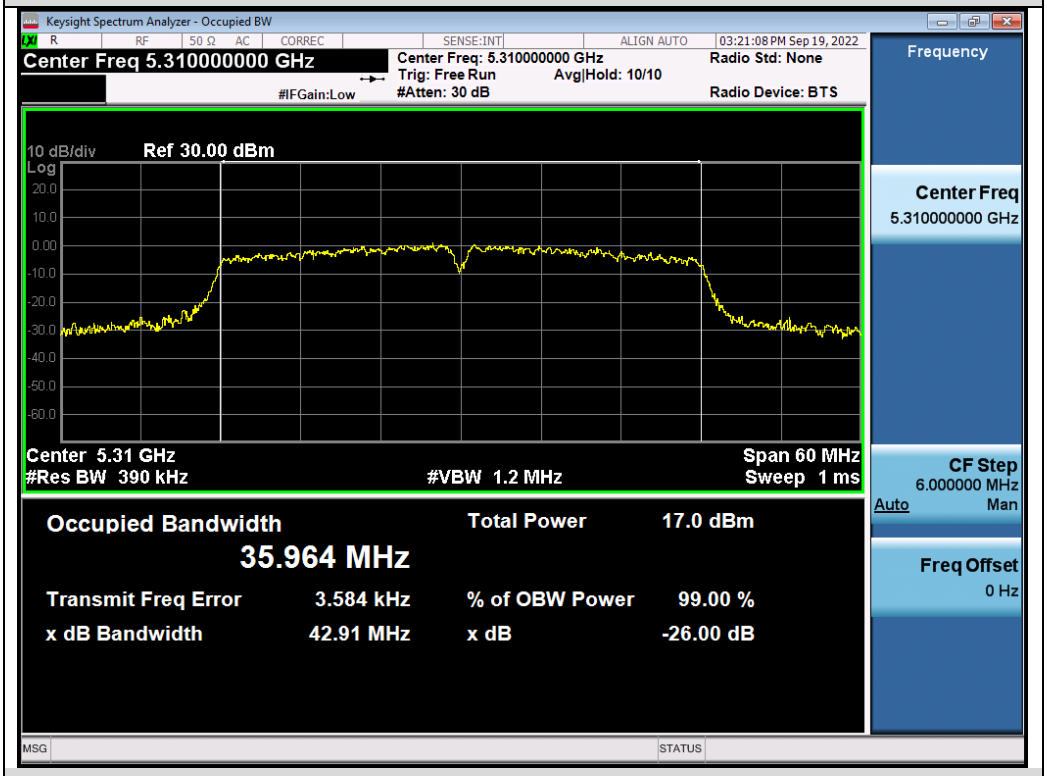


Test_Graph_802.11n20_ANT1_5300_MCS0_OBW

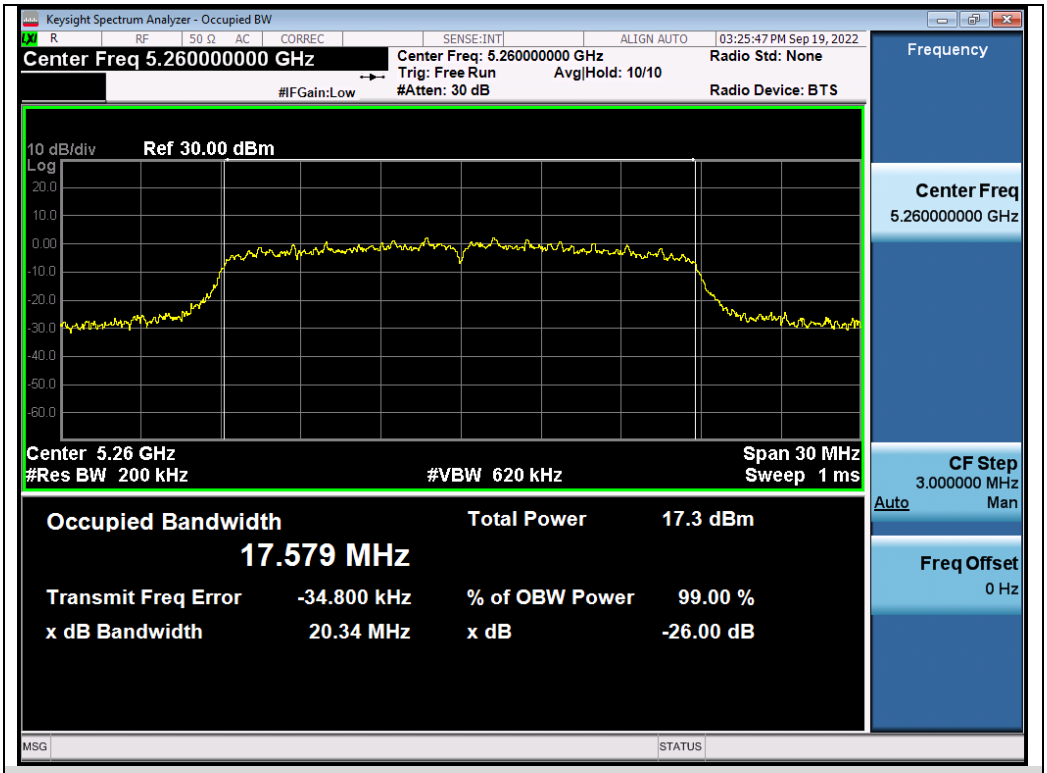


Test_Graph_802.11n20_ANT1_5320_MCS0_OBW

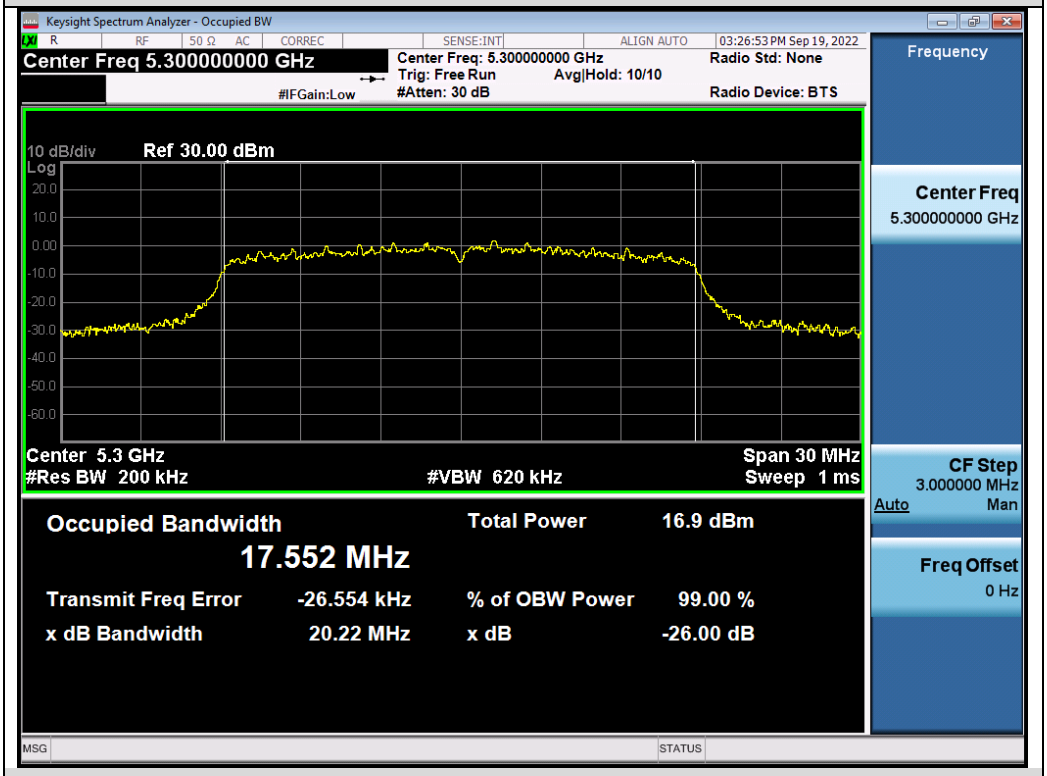
Test_Graph_802.11n40_ANT1_5270_MCS0_OBW



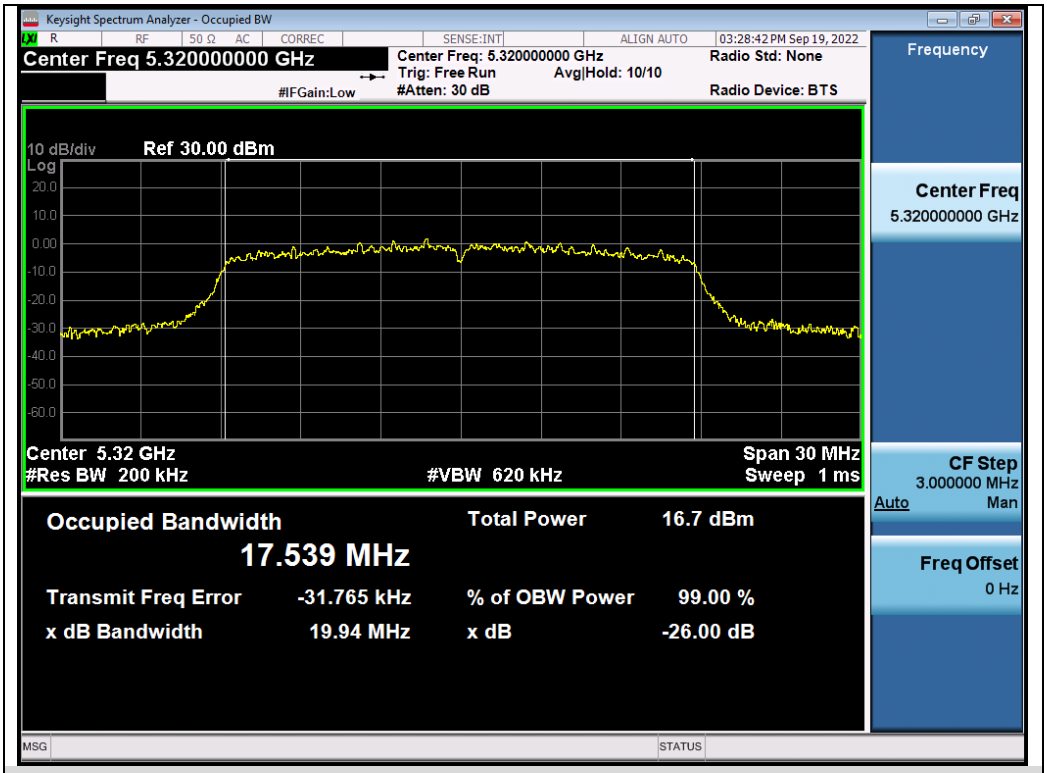
Test_Graph_802.11n40_ANT1_5310_MCS0_OBW



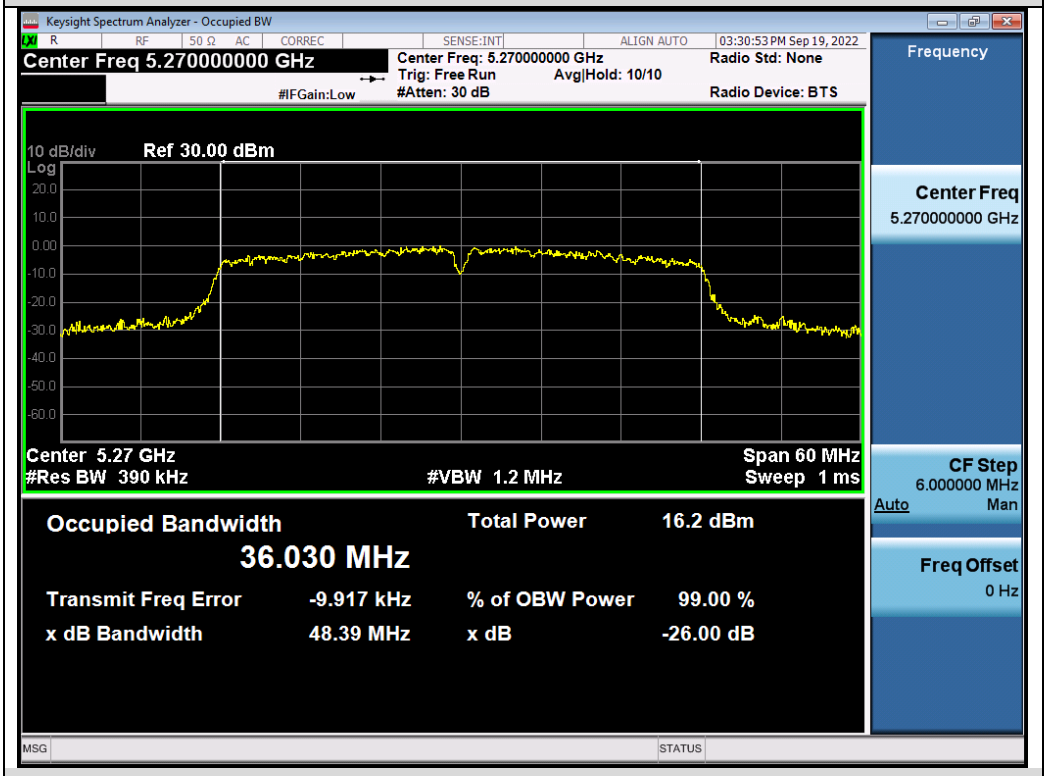
Test_Graph_802.11ac20_ANT1_5260_MCS0_OBW



Test_Graph_802.11ac20_ANT1_5300_MCS0_OBW

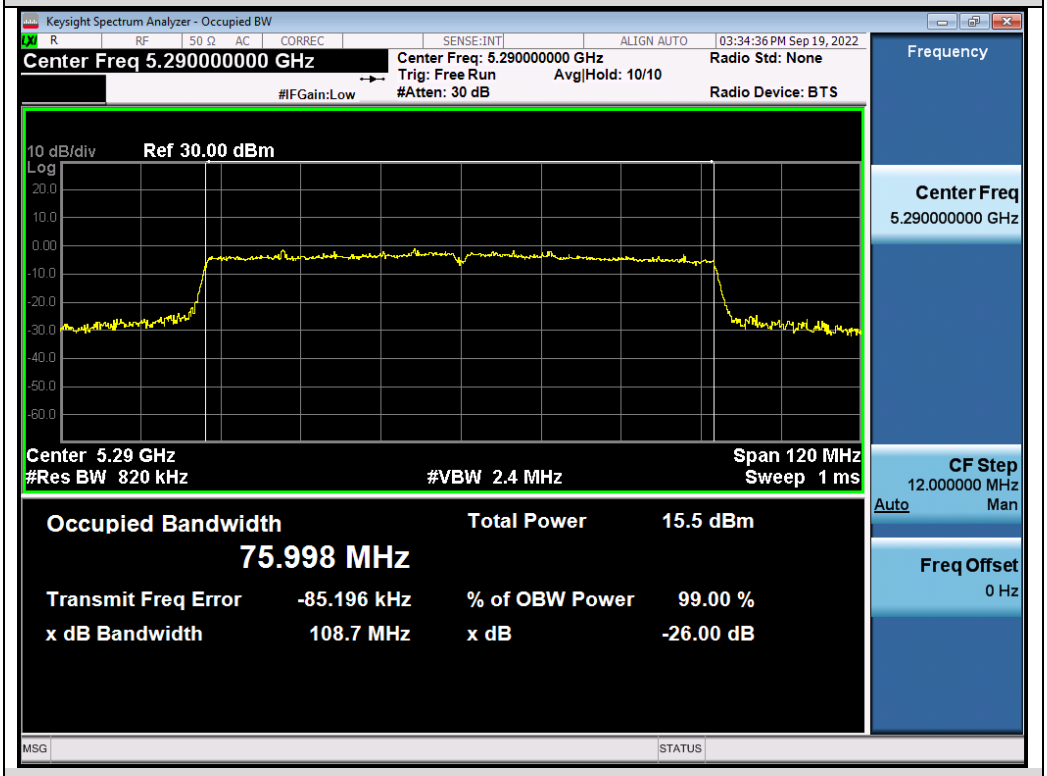


Test_Graph_802.11ac20_ANT1_5320_MCS9_OBW



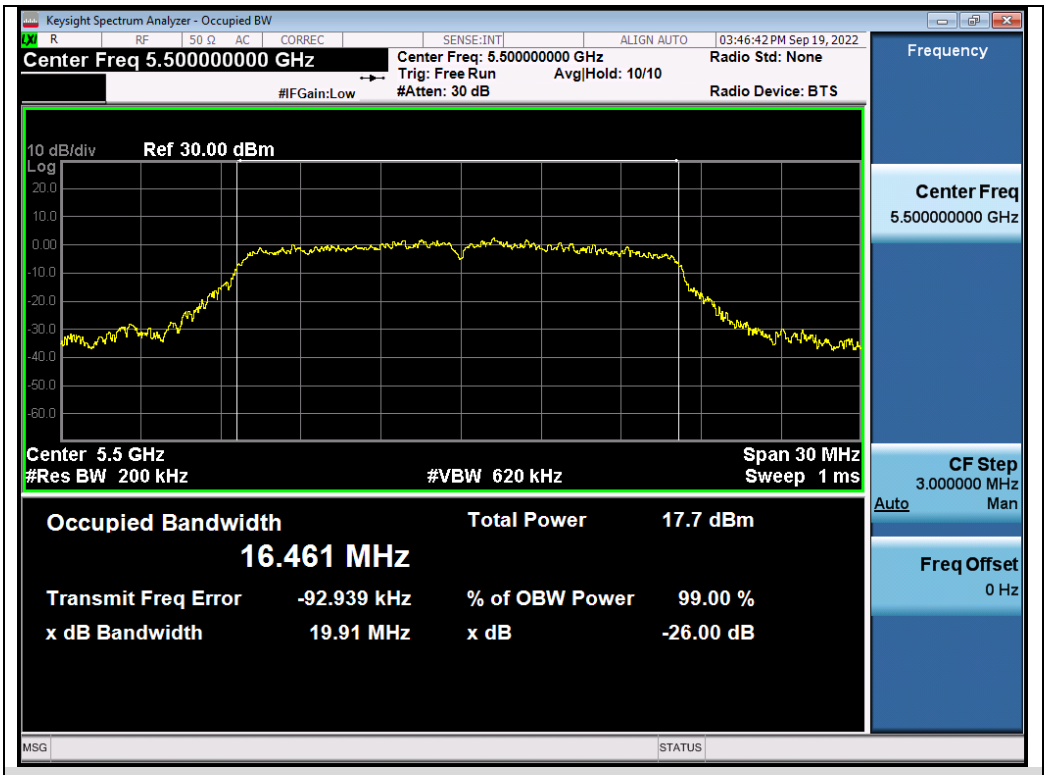
Test_Graph_802.11ac40_ANT1_5270_MCS9_OBW

Test_Graph_802.11ac40_ANT1_5310_MCS9_OBW

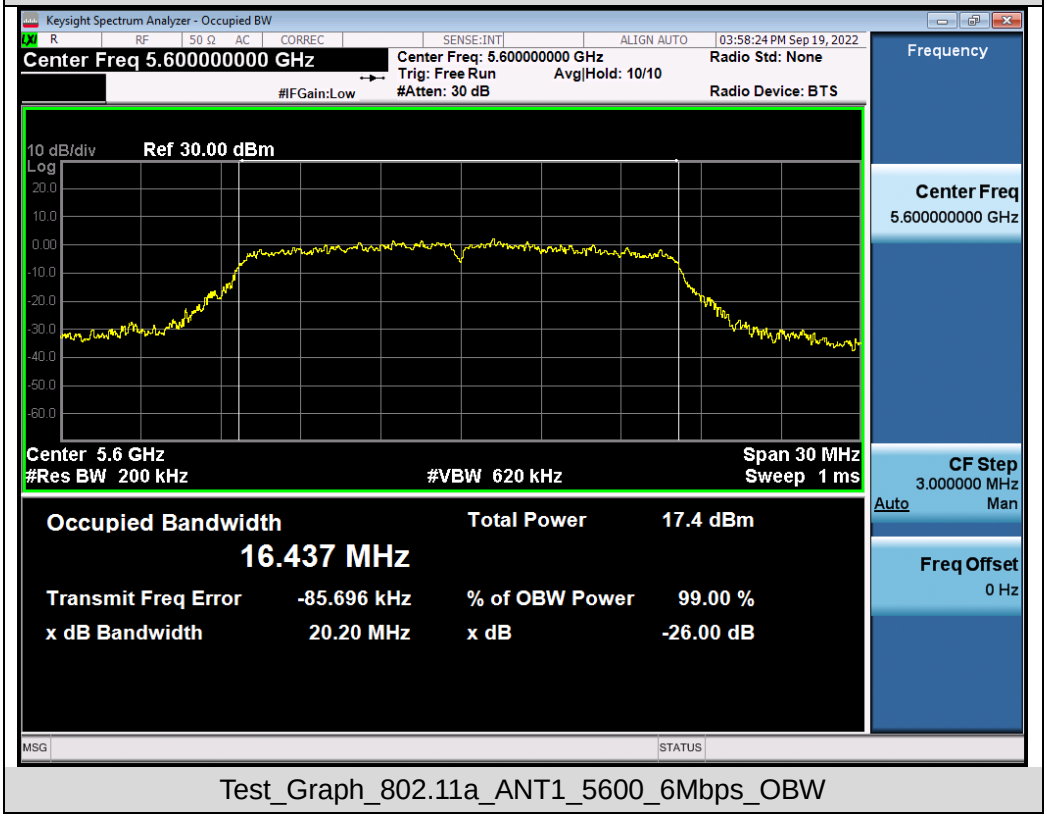


Test_Graph_802.11ac80_ANT1_5290_MCS9_OBW

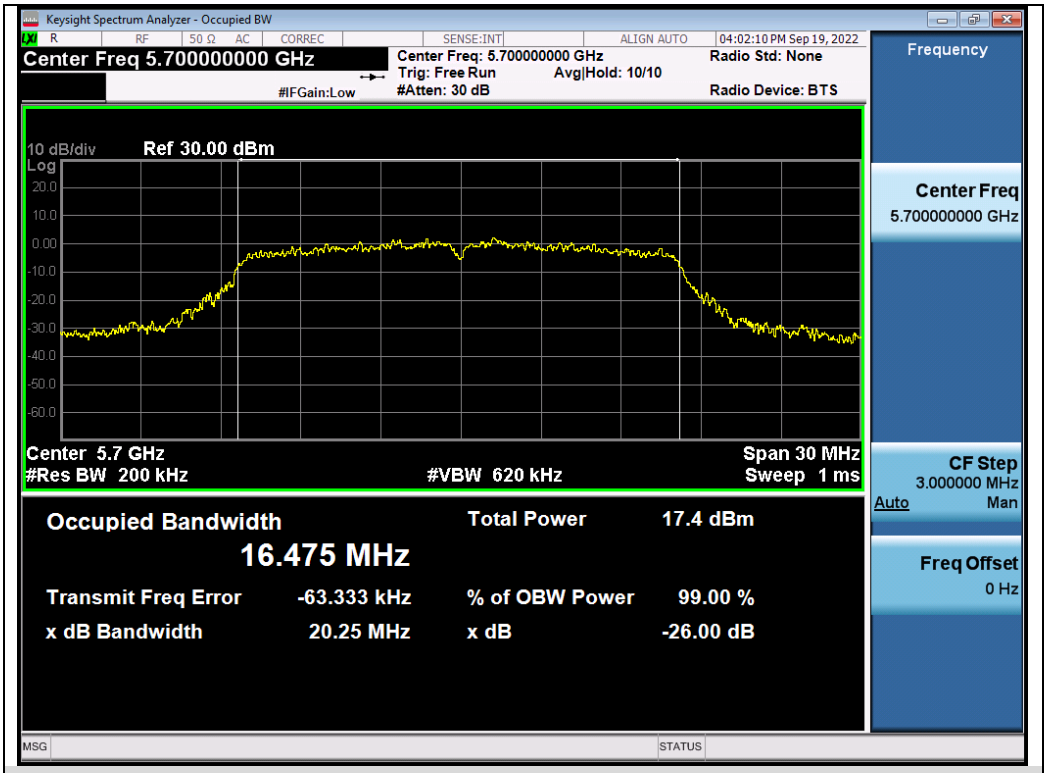
Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.470-5.725 GHz



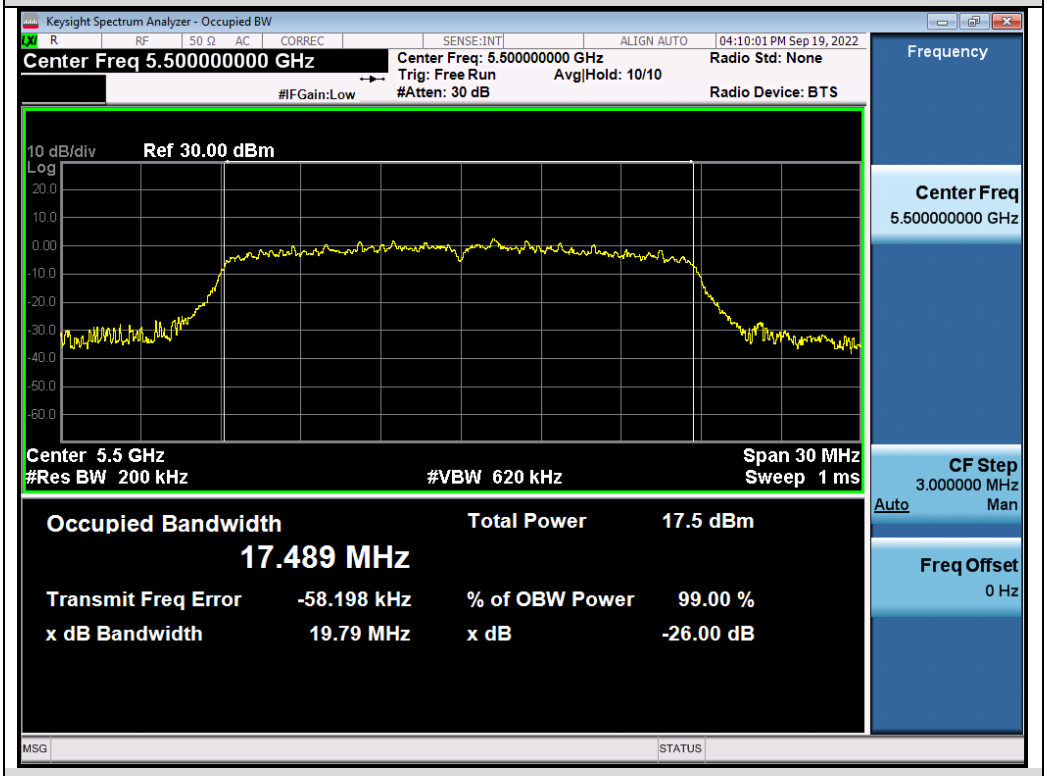
Test_Graph_802.11a_ANT1_5500_6Mbps_OBW



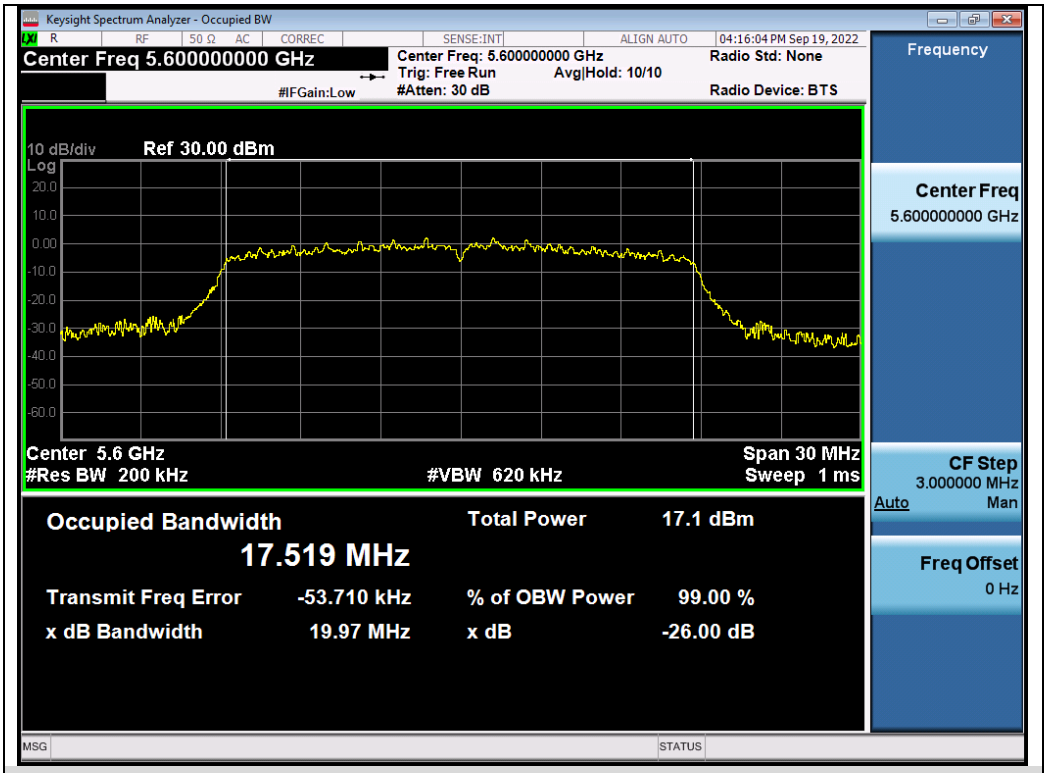
Test_Graph_802.11a_ANT1_5600_6Mbps_OBW



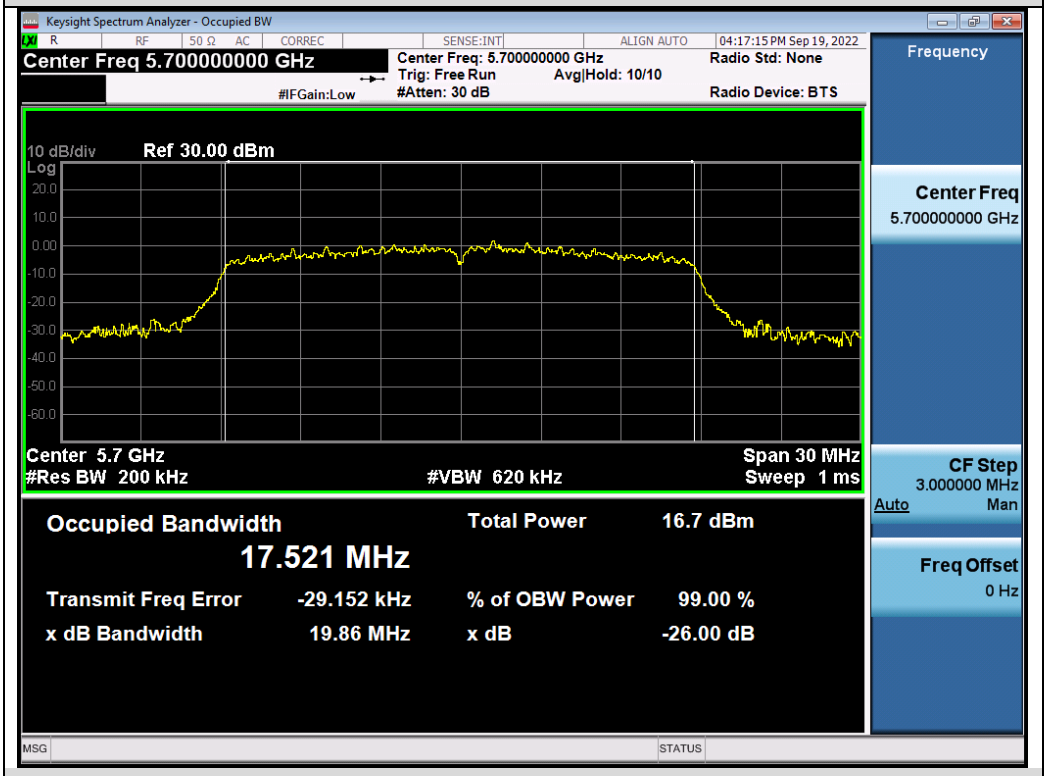
Test_Graph_802.11a_ANT1_5700_6Mbps_OBW



Test_Graph_802.11n20_ANT1_5500_MCS0_OBW

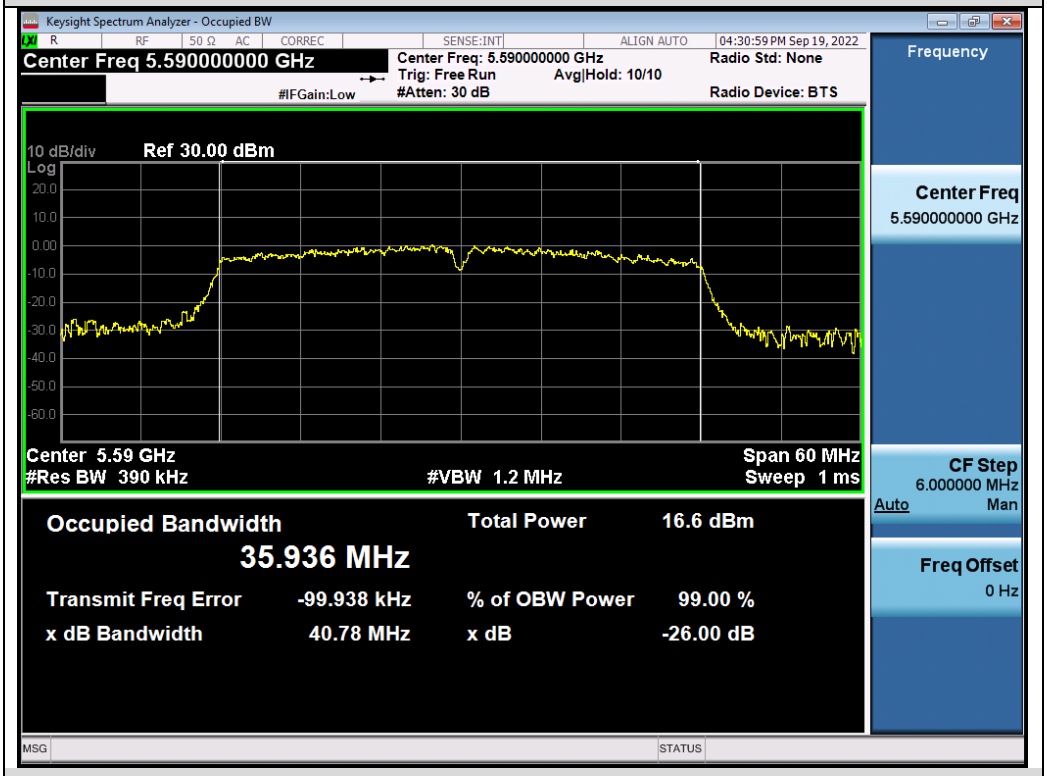


Test_Graph_802.11n20_ANT1_5600_MCS0_OBW



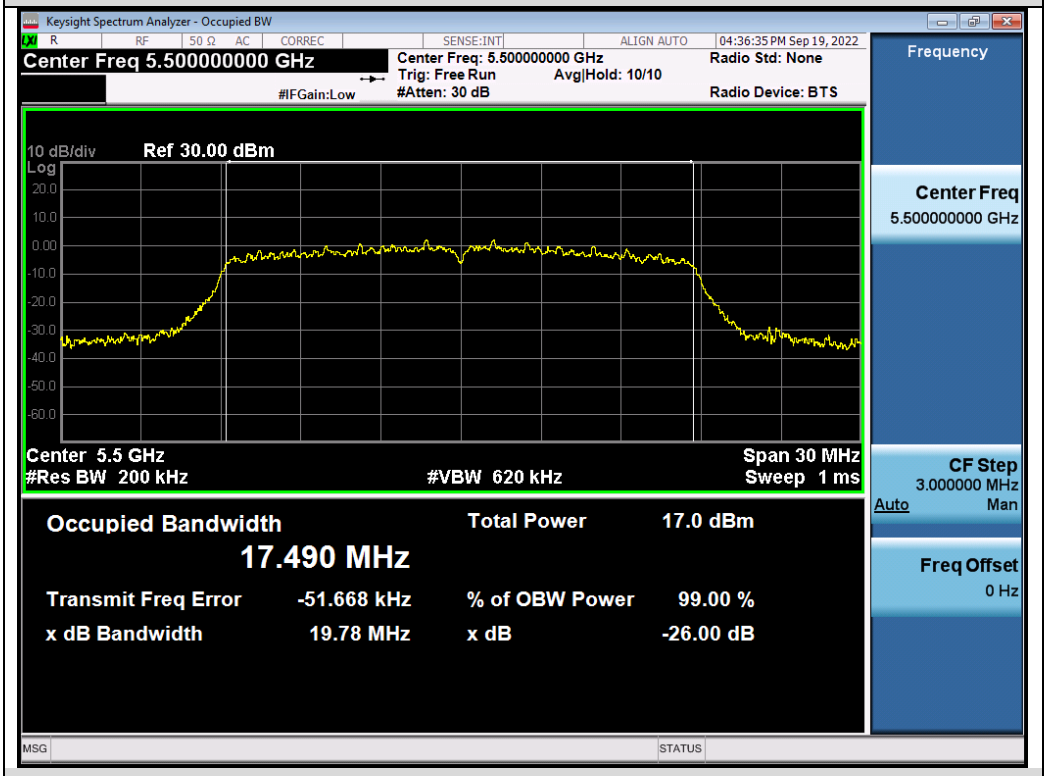
Test_Graph_802.11n20_ANT1_5700_MCS0_OBW

Test_Graph_802.11n40_ANT1_5510_MCS0_OBW



Test_Graph_802.11n40_ANT1_5590_MCS0_OBW

Test_Graph_802.11n40_ANT1_5670_MCS0_OBW



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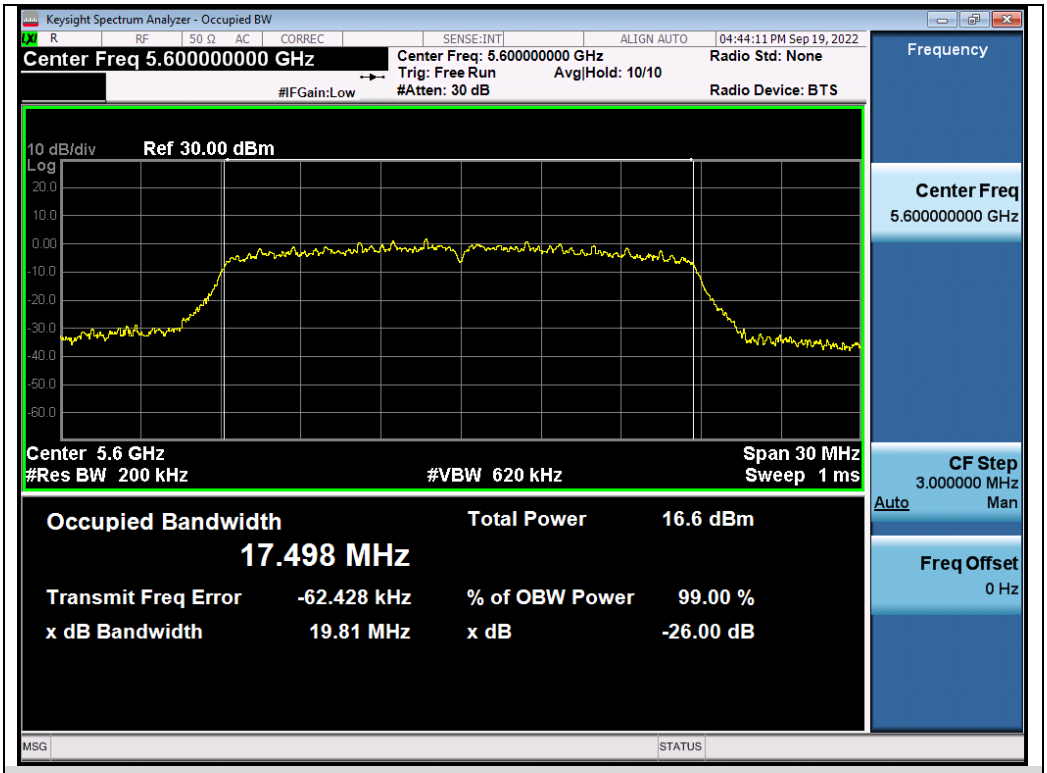
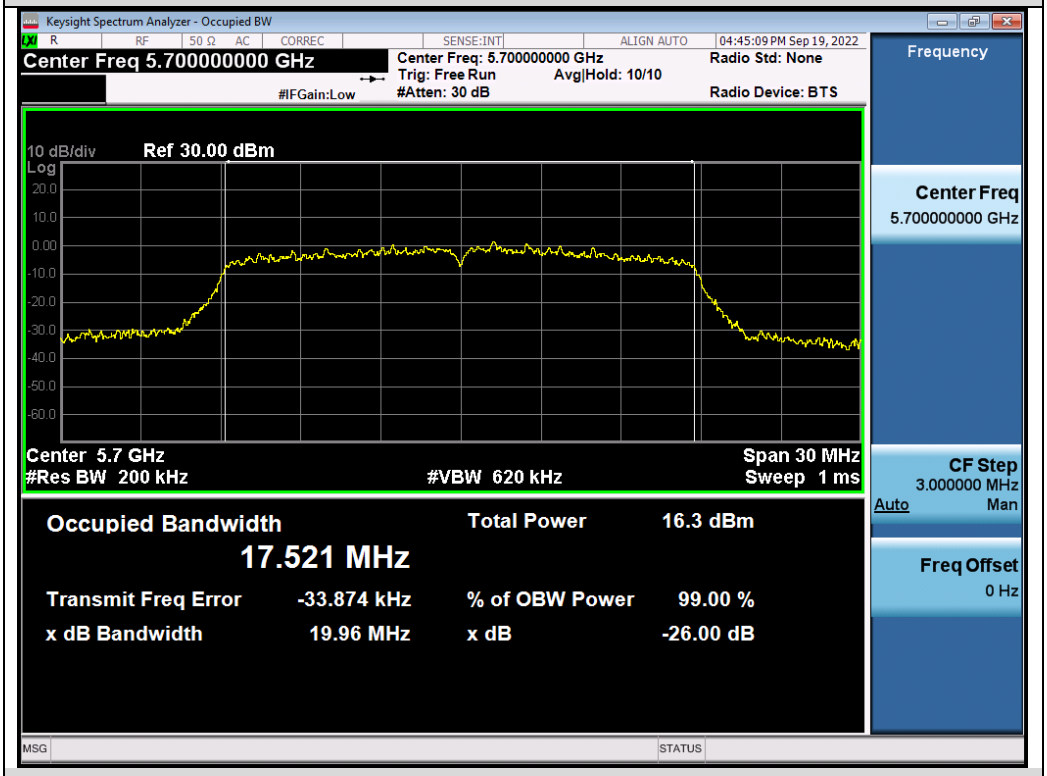
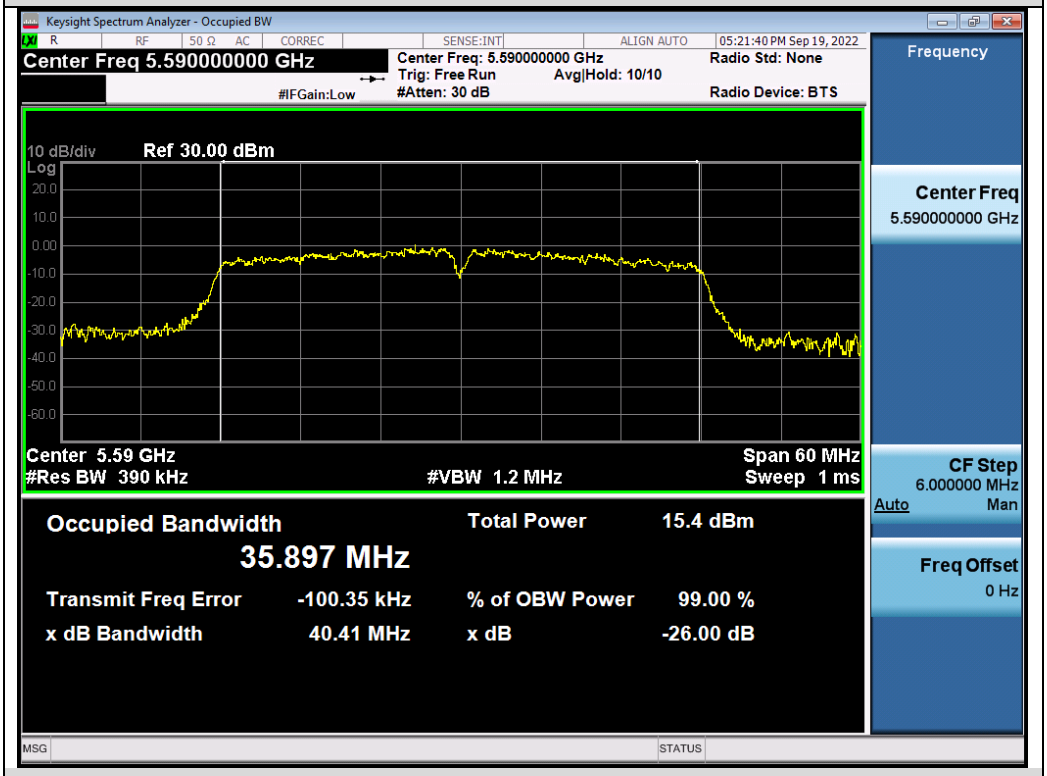


Test_Graph_802.11ac20_ANT1_5600_MCS0_OBW



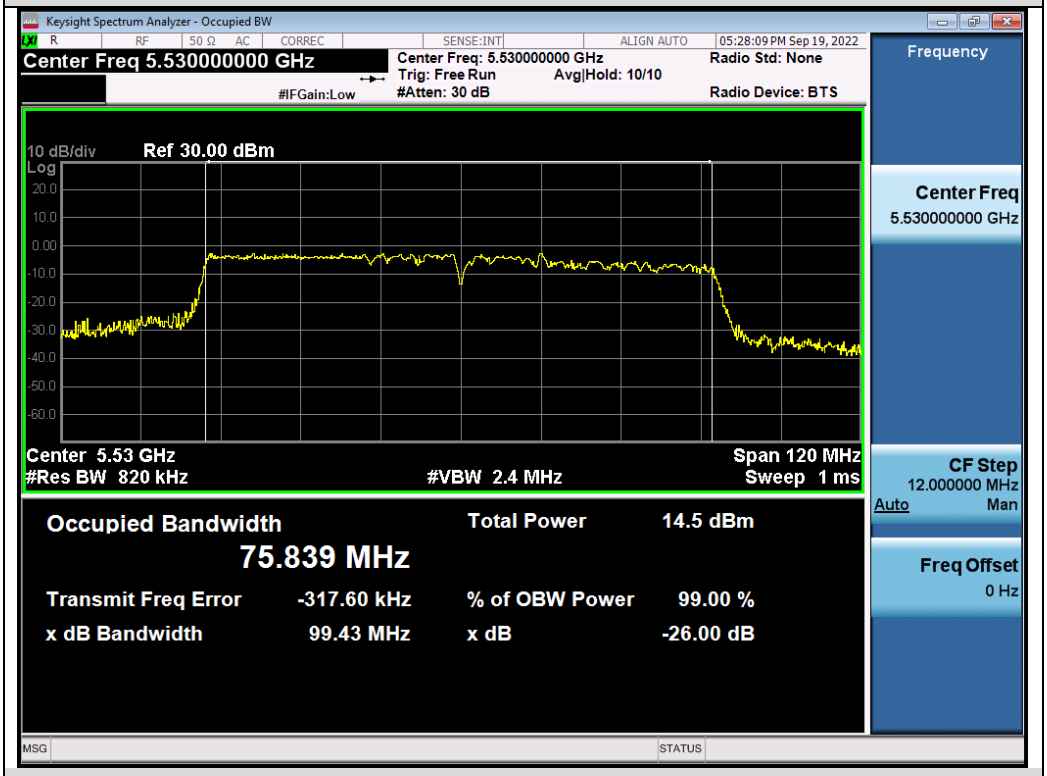
Test_Graph_802.11ac20_ANT1_5700_MCS9_OBW

Test_Graph_802.11ac40_ANT1_5510_MCS9_OBW

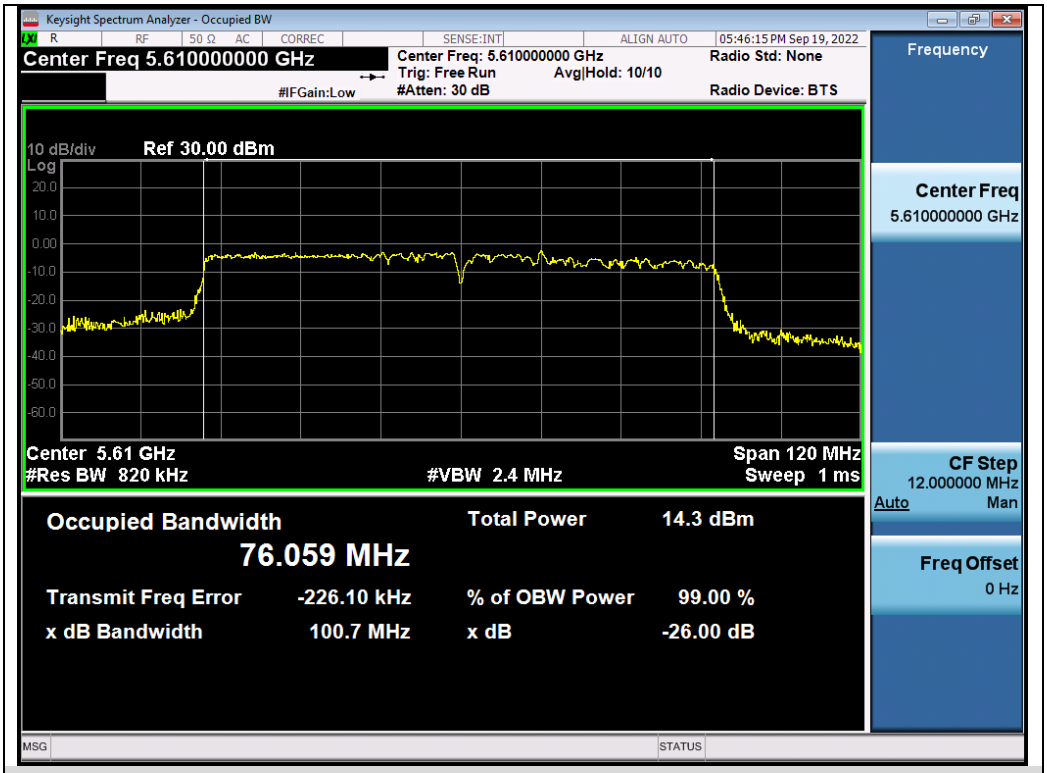


Test_Graph_802.11ac40_ANT1_5590_MCS9_OBW

Test_Graph_802.11ac40_ANT1_5670_MCS9_OBW

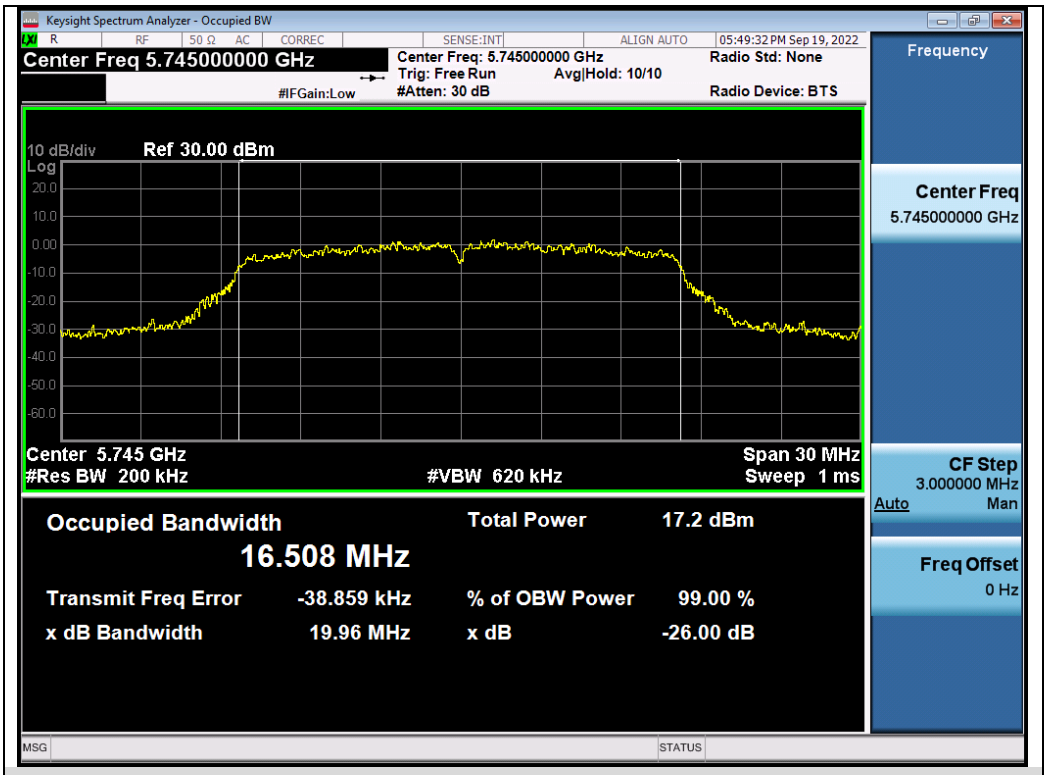


Test_Graph_802.11ac80_ANT1_5530_MCS9_OBW



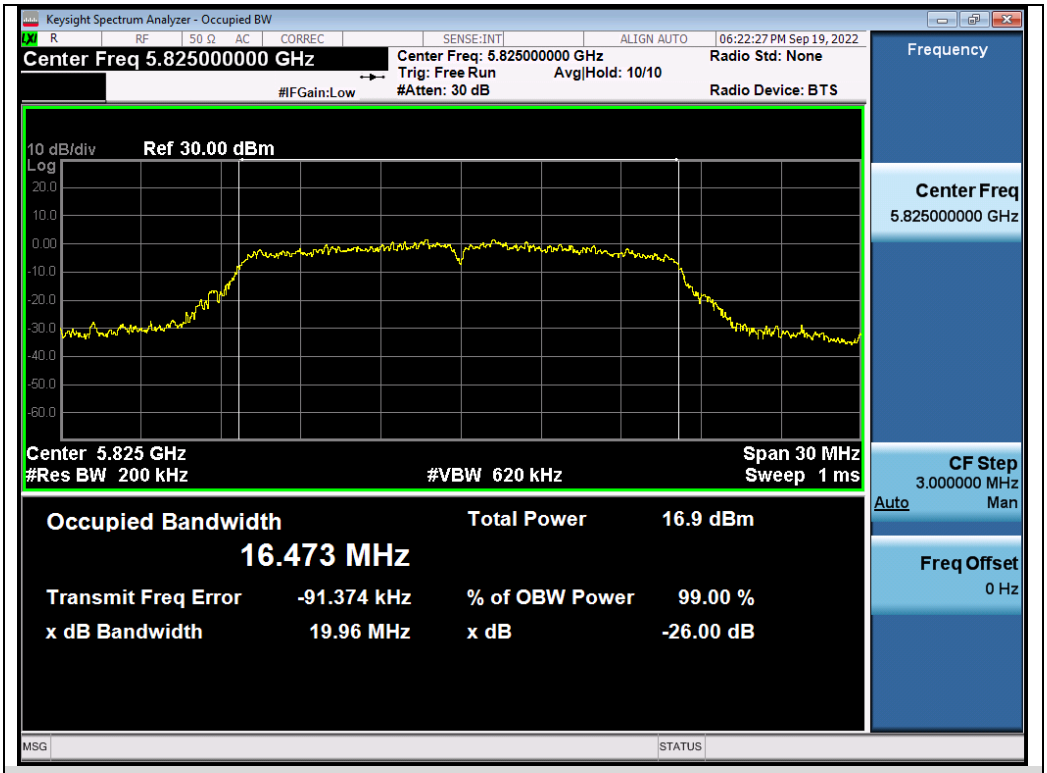
Test_Graph_802.11ac80_ANT1_5610_MCS9_OBW

Test Graphs of Occupied Bandwidth for band 5.725-5.85 GHz

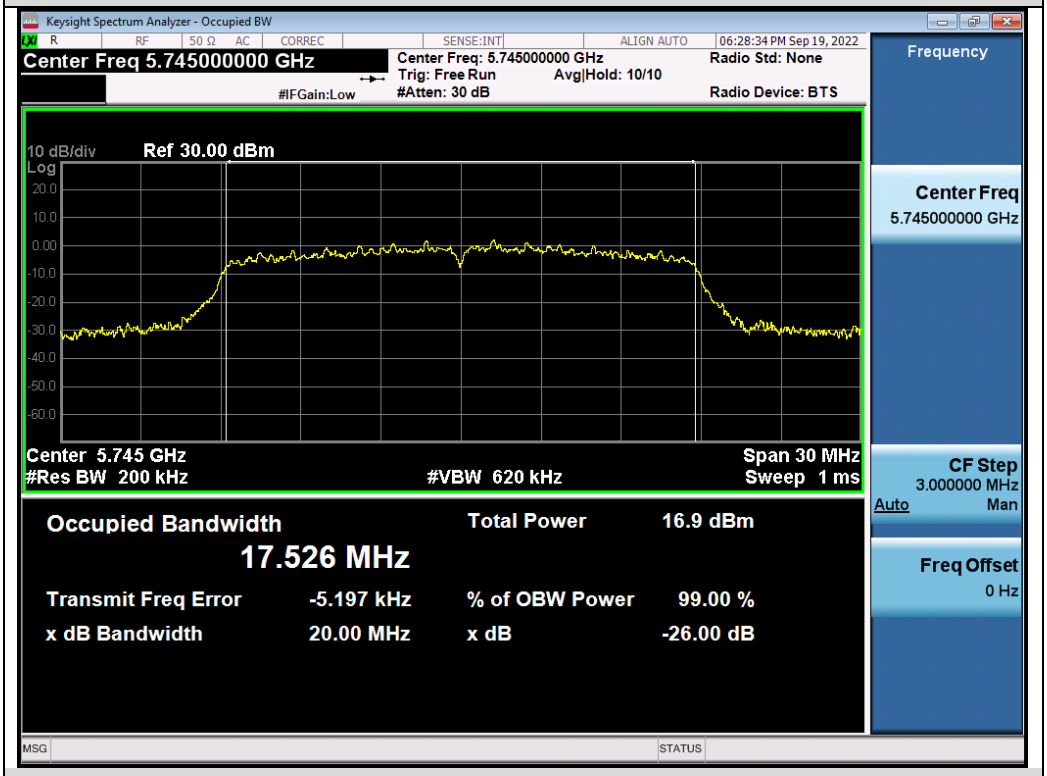


Test_Graph_802.11a_ANT1_5745_6Mbps_OBW

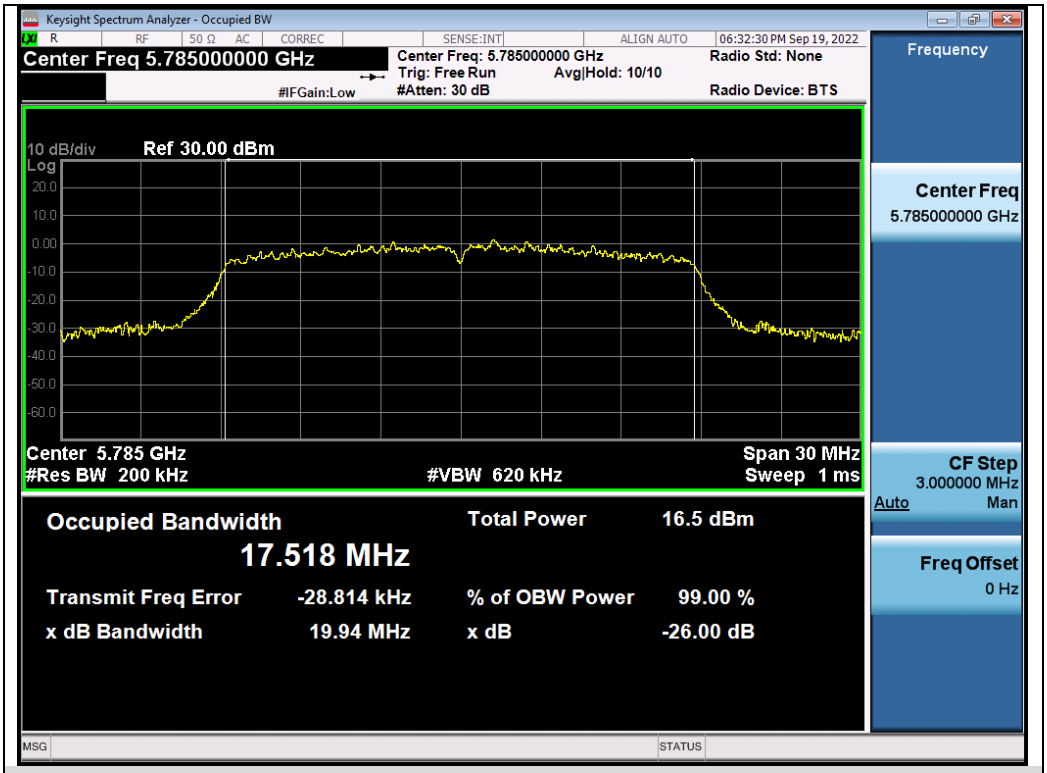
Test_Graph_802.11a_ANT1_5785_6Mbps_OBW



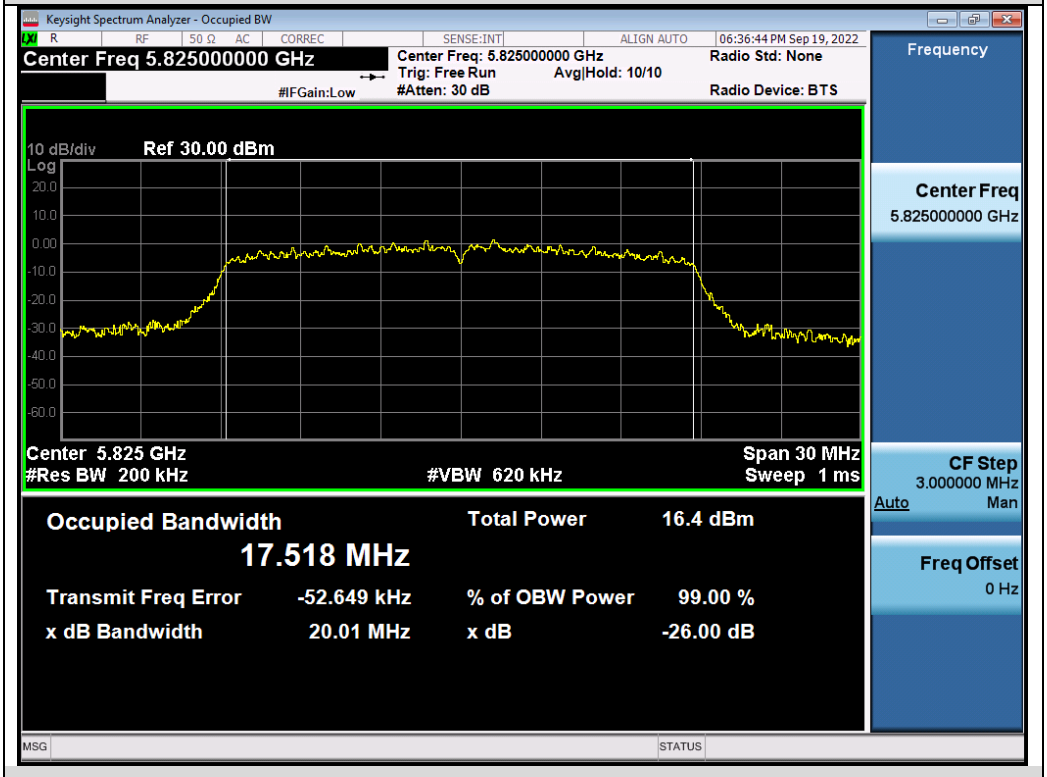
Test_Graph_802.11a_ANT1_5825_6Mbps_OBW



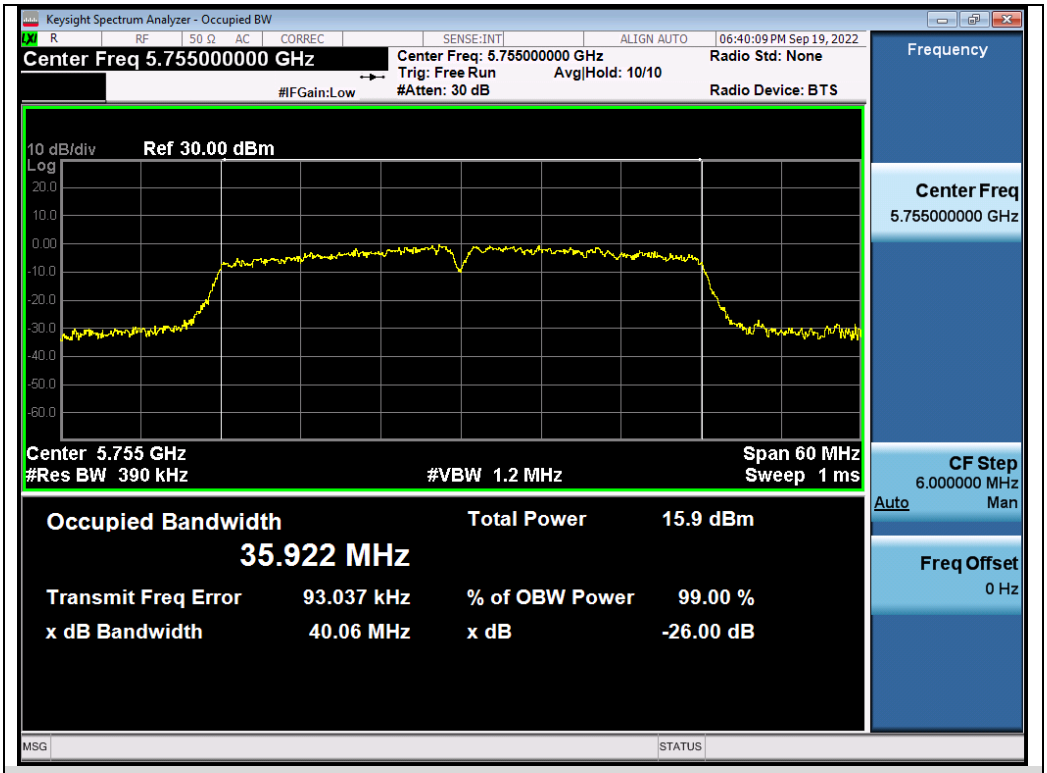
Test_Graph_802.11n20_ANT1_5745_MCS0_OBW



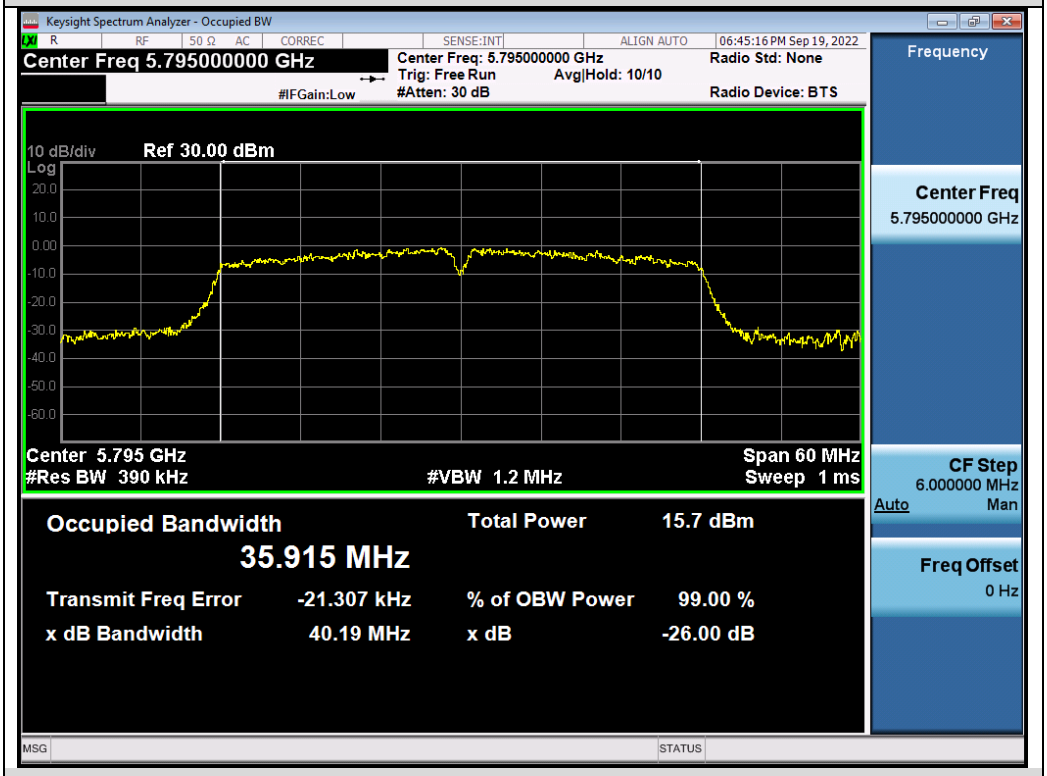
Test_Graph_802.11n20_ANT1_5785_MCS0_OBW



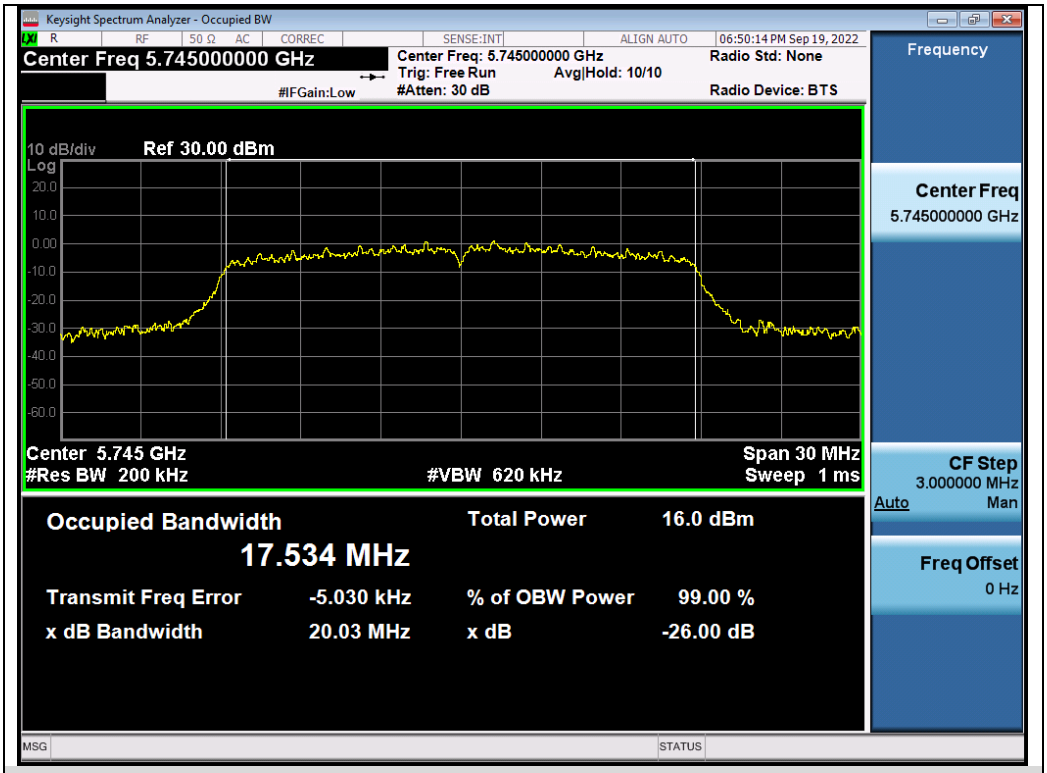
Test_Graph_802.11n20_ANT1_5825_MCS0_OBW



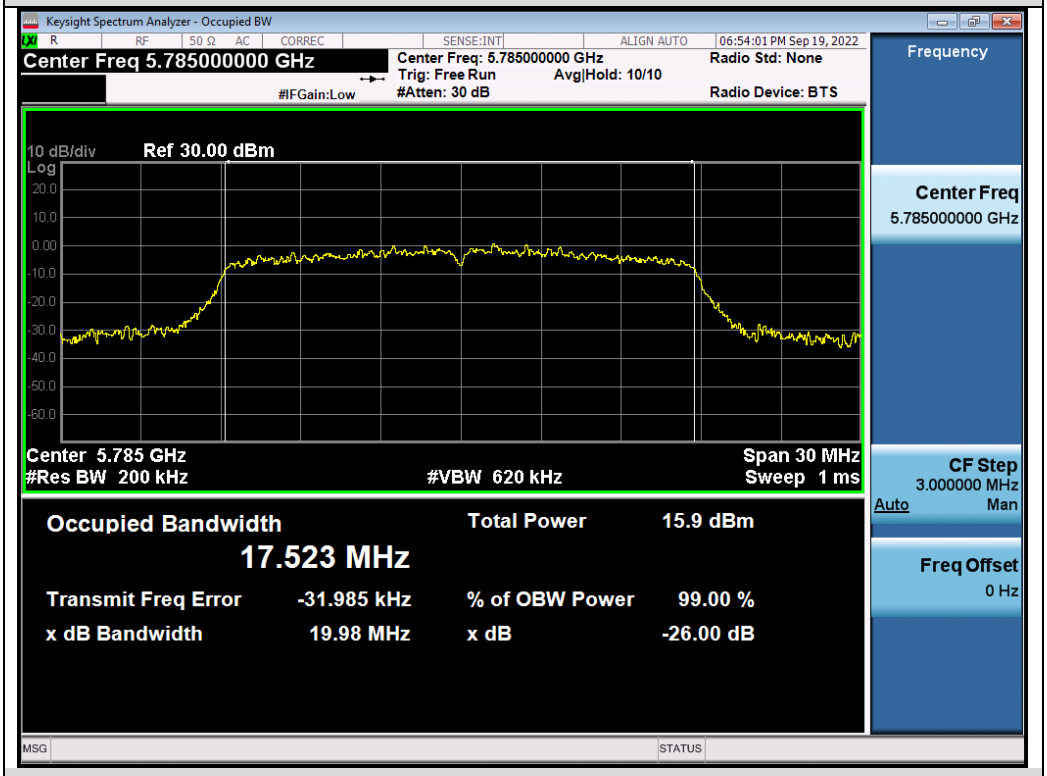
Test_Graph_802.11n40_ANT1_5755_MCS0_OBW



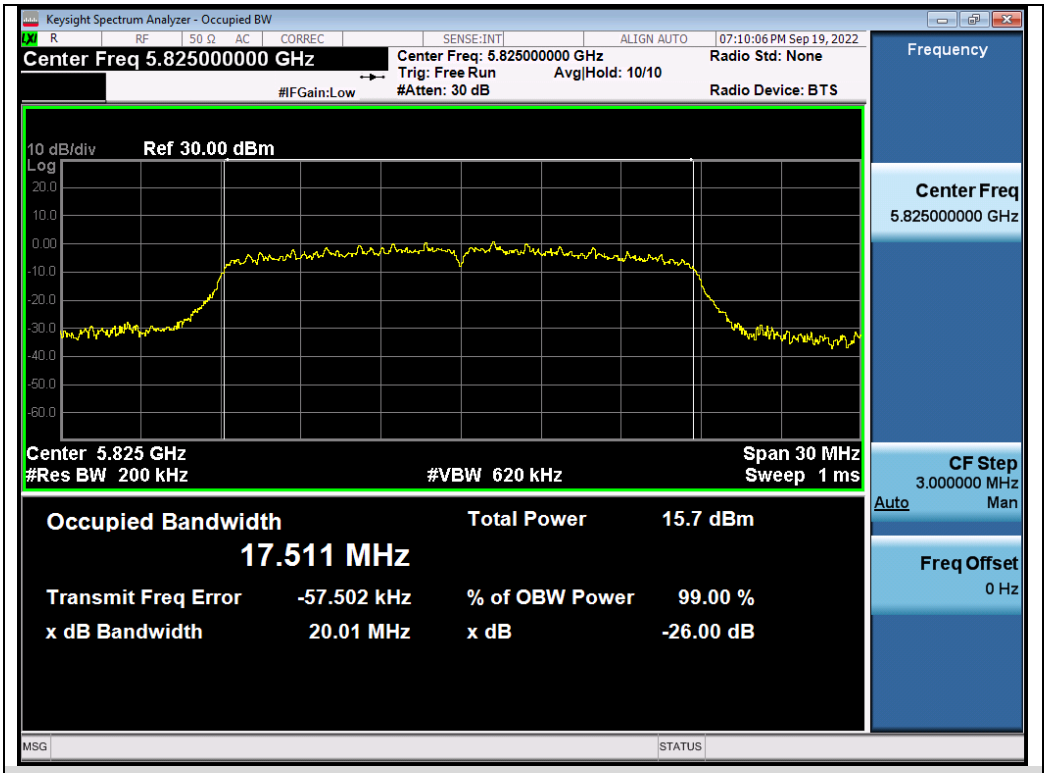
Test_Graph_802.11n40_ANT1_5795_MCS0_OBW



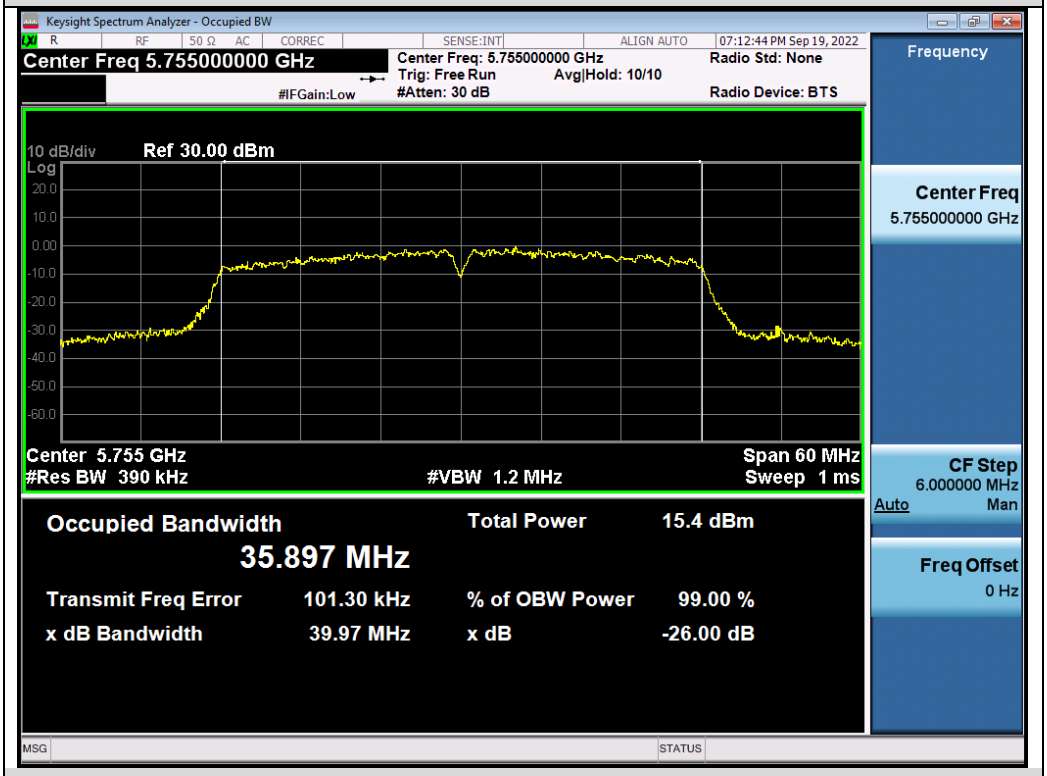
Test_Graph_802.11ac20_ANT1_5745_MCS0_OBW



Test_Graph_802.11ac20_ANT1_5785_MCS0_OBW

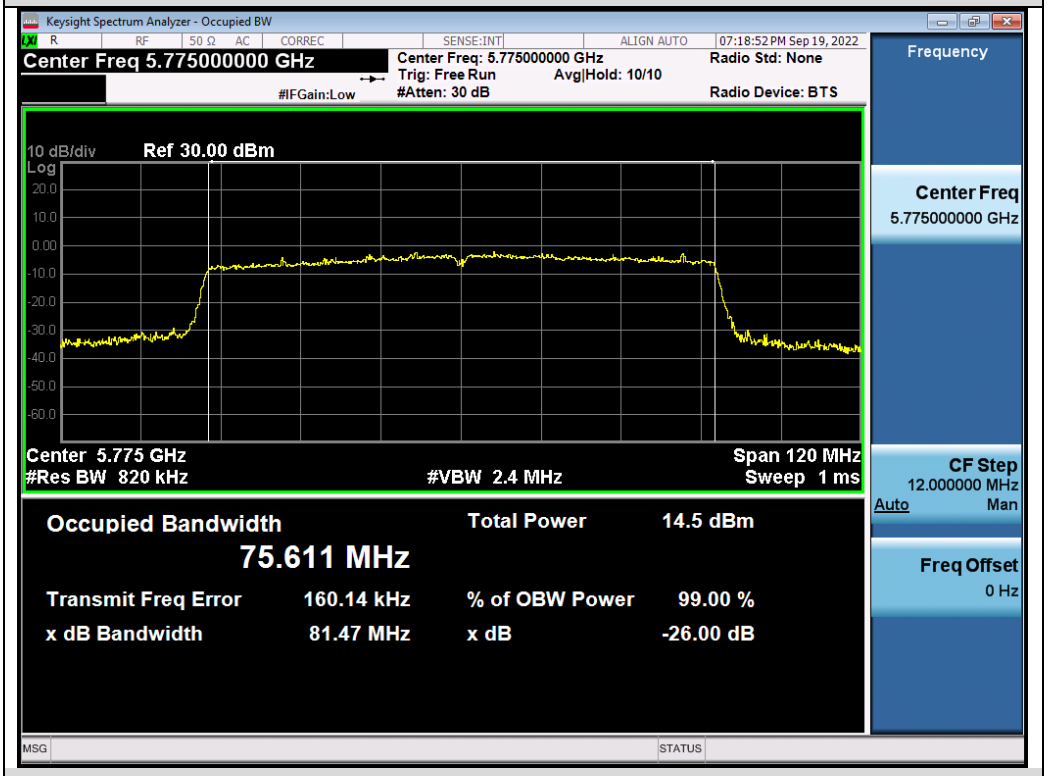


Test_Graph_802.11ac20_ANT1_5825_MCS9_OBW



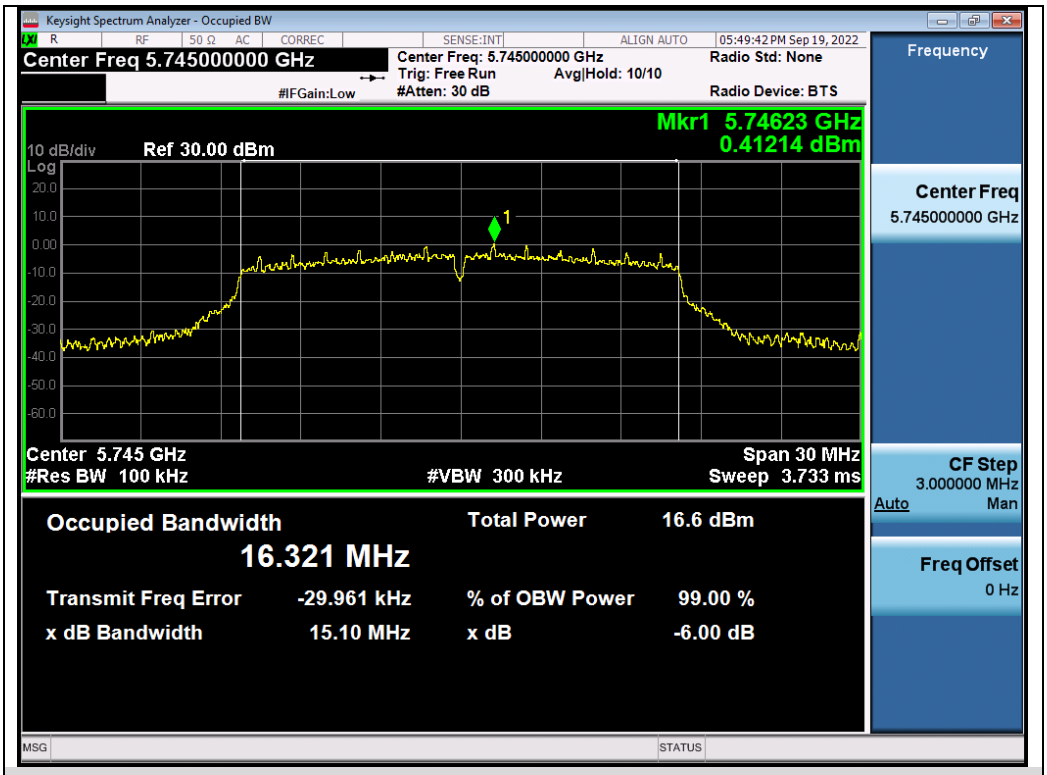
Test_Graph_802.11ac40_ANT1_5755_MCS9_OBW

Test_Graph_802.11ac40_ANT1_5795_MCS9_OBW

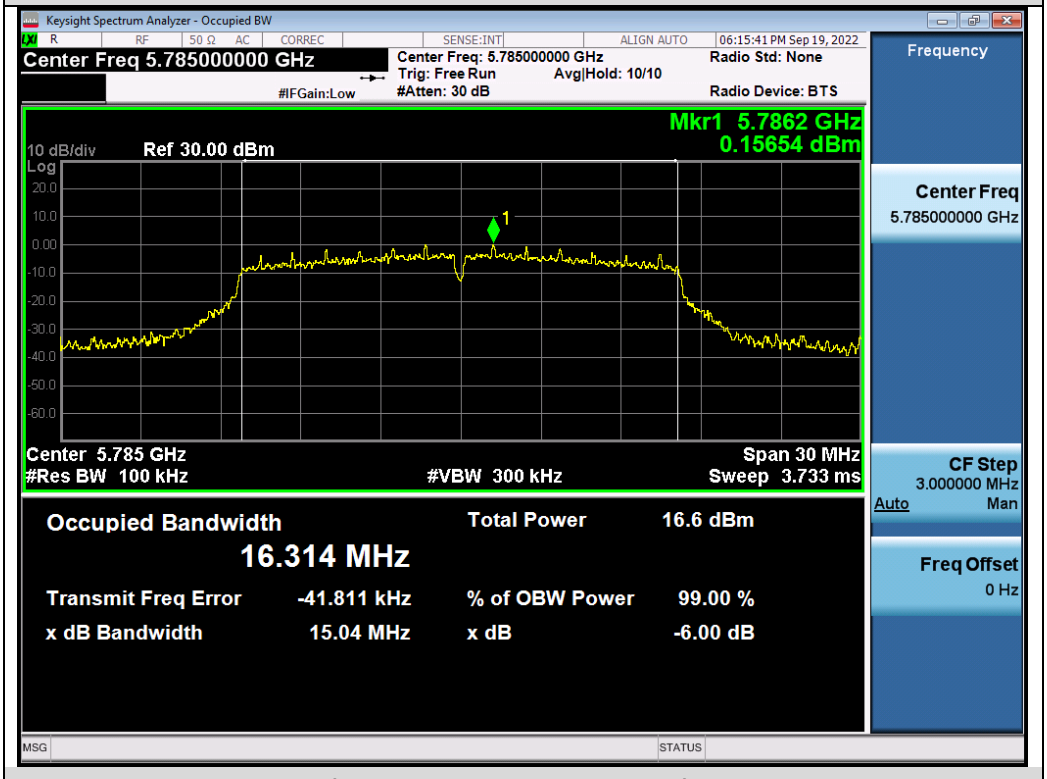


Test_Graph_802.11ac80_ANT1_5775_MCS9_OBW

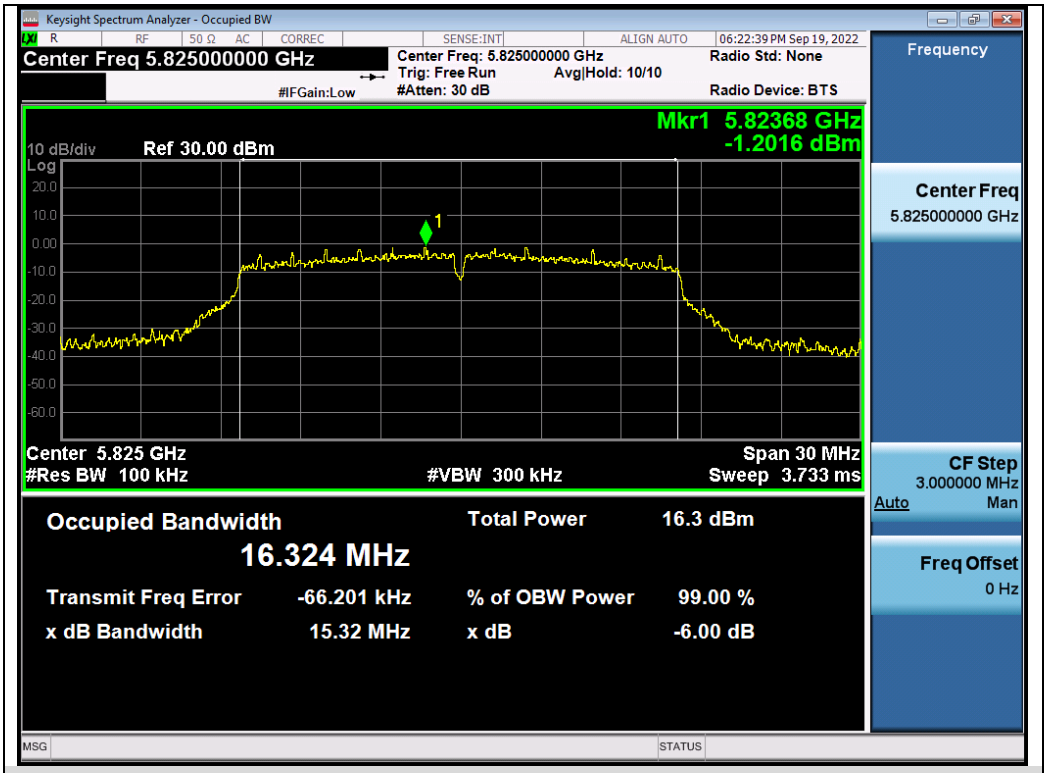
Test Graphs of DTS Bandwidth for band 5.725-5.85 GHz



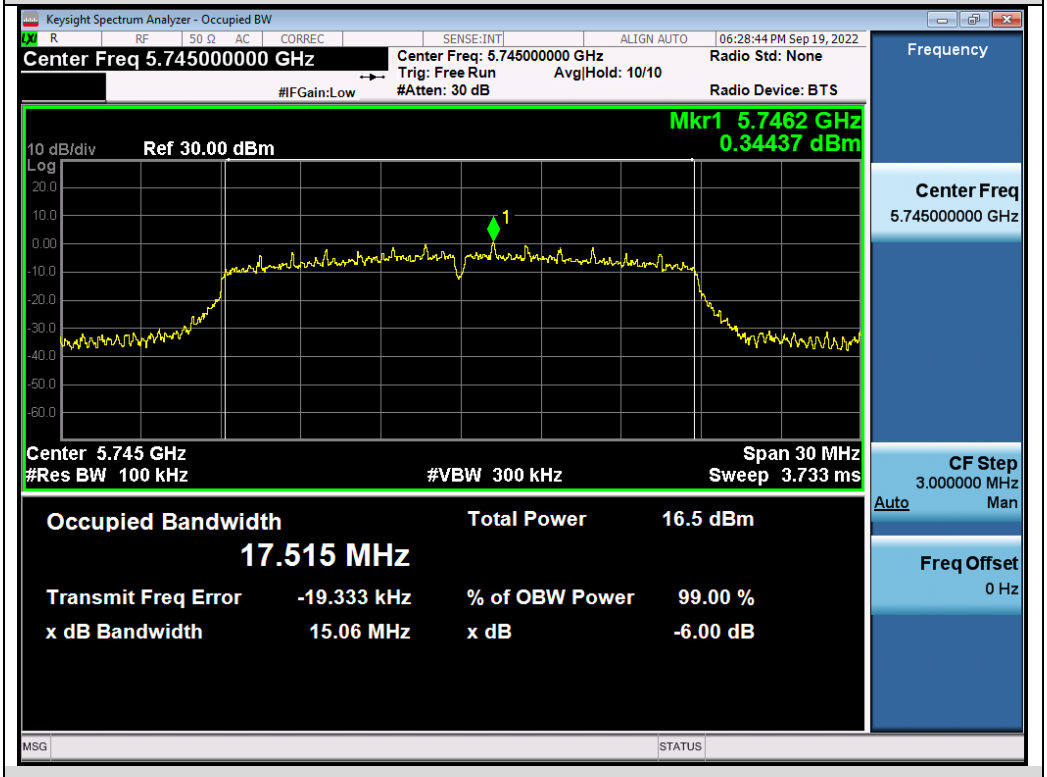
Test_Graph_802.11a_ANT1_5745_6Mbps_DTSBW



Test_Graph_802.11a_ANT1_5785_6Mbps_DTSBW

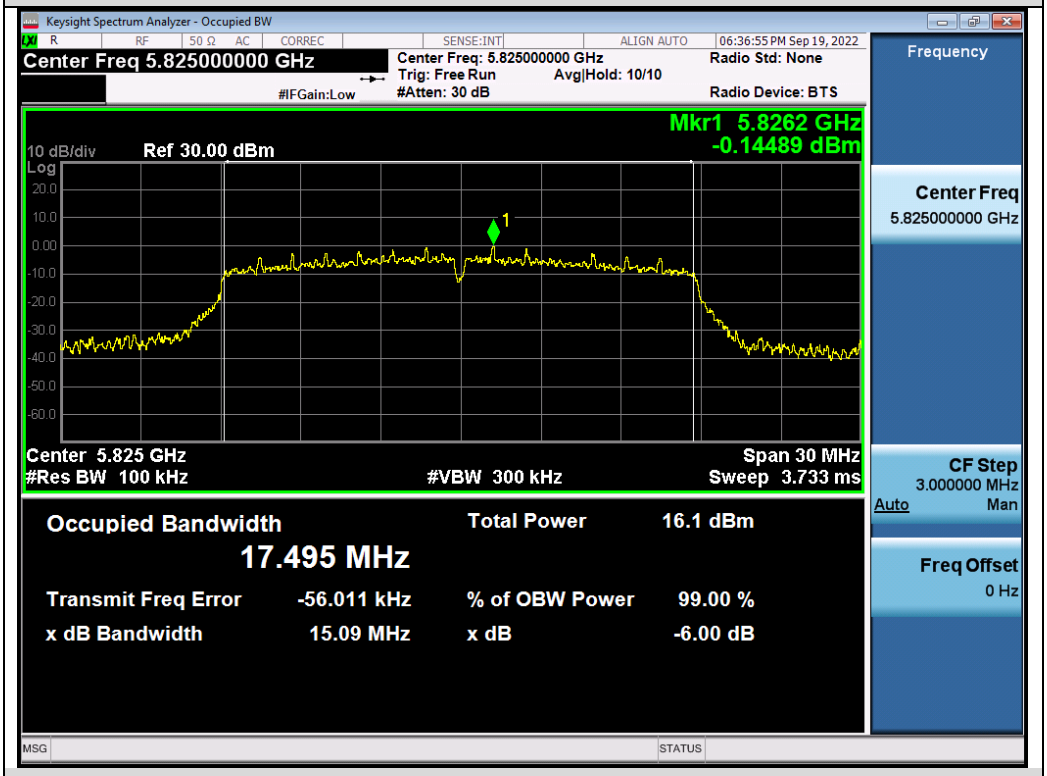


Test_Graph_802.11a_ANT1_5825_6Mbps_DTSBW

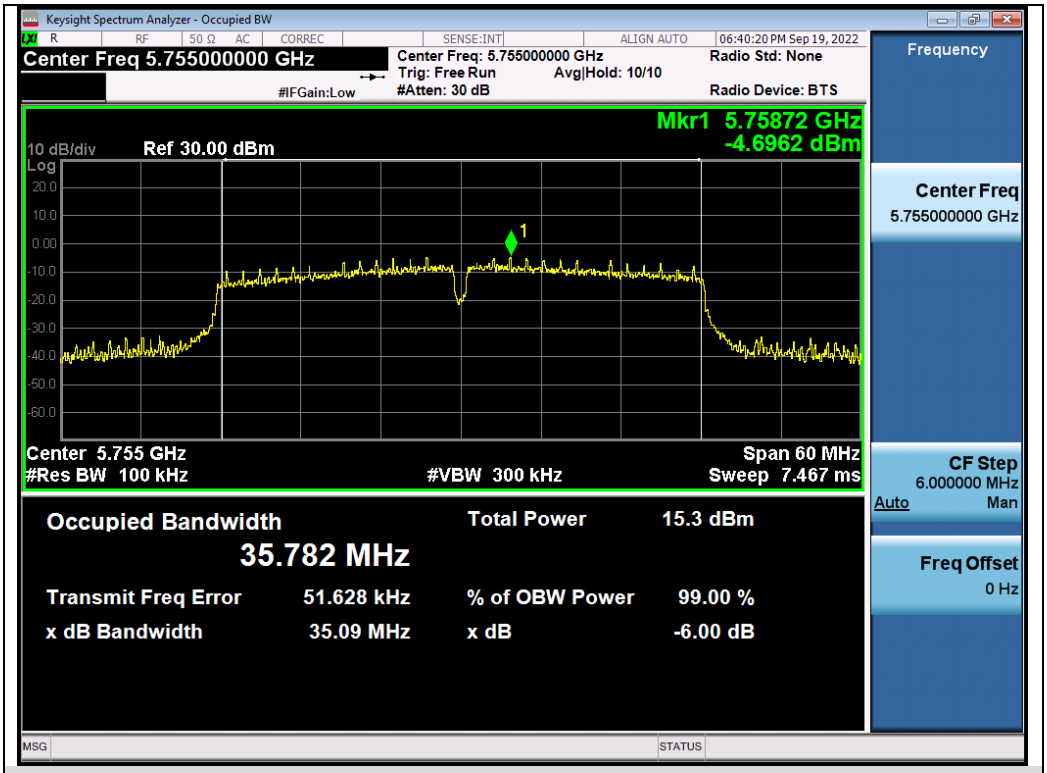


Test_Graph_802.11n20_ANT1_5745_MCS0_DTSBW

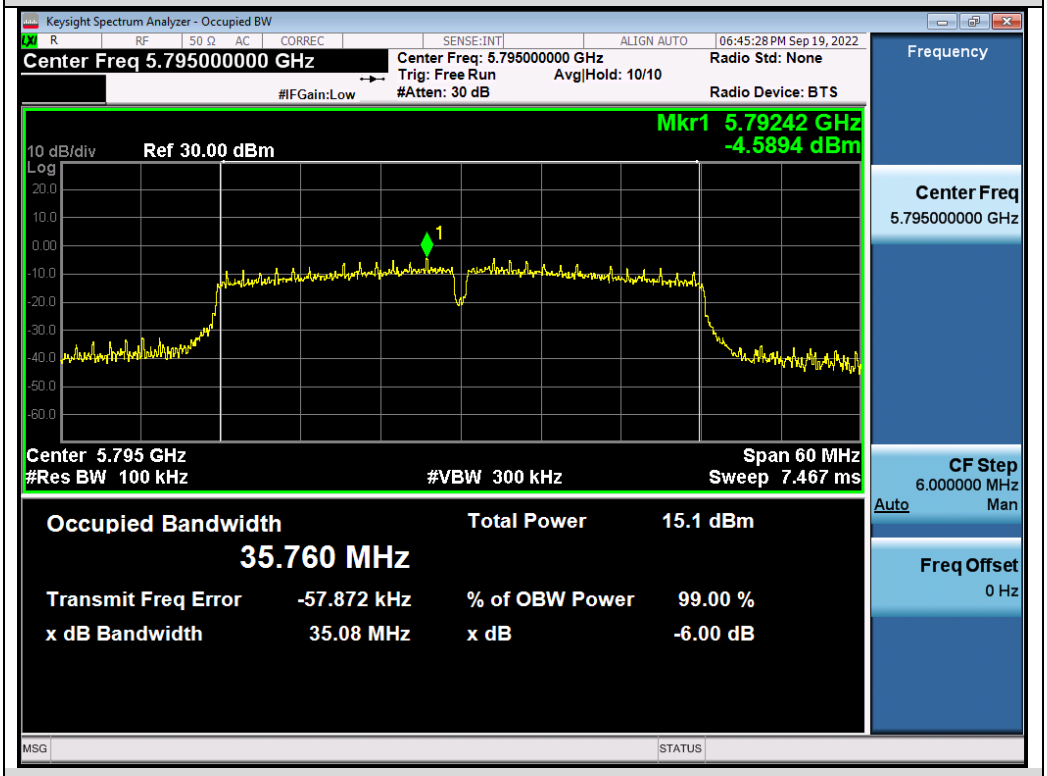
Test_Graph_802.11n20_ANT1_5785_MCS0_DTSBW



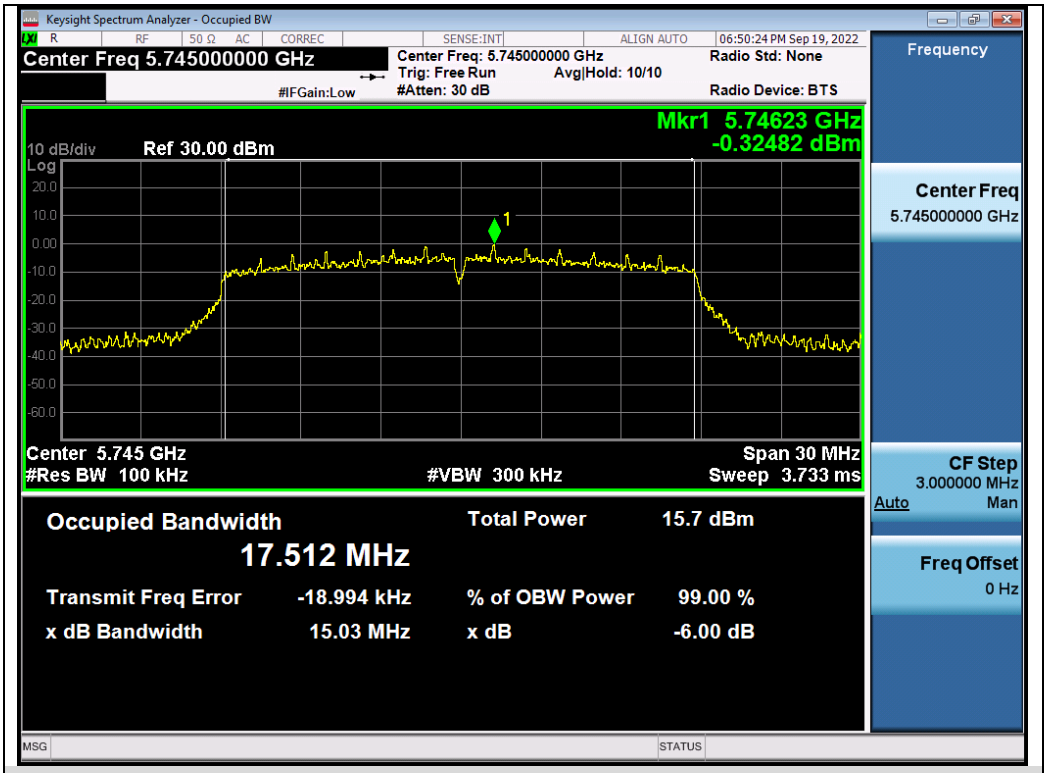
Test_Graph_802.11n20_ANT1_5825_MCS0_DTSBW



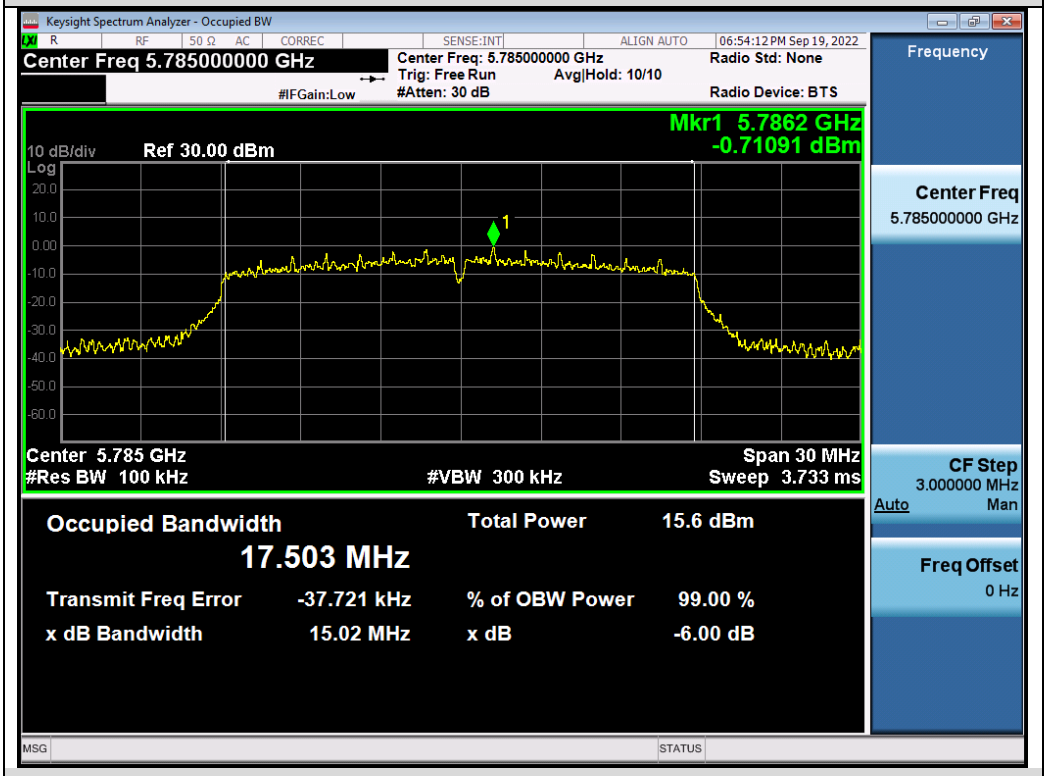
Test_Graph_802.11n40_ANT1_5755_MCS0_DTSBW



Test_Graph_802.11n40_ANT1_5795_MCS0_DTSBW

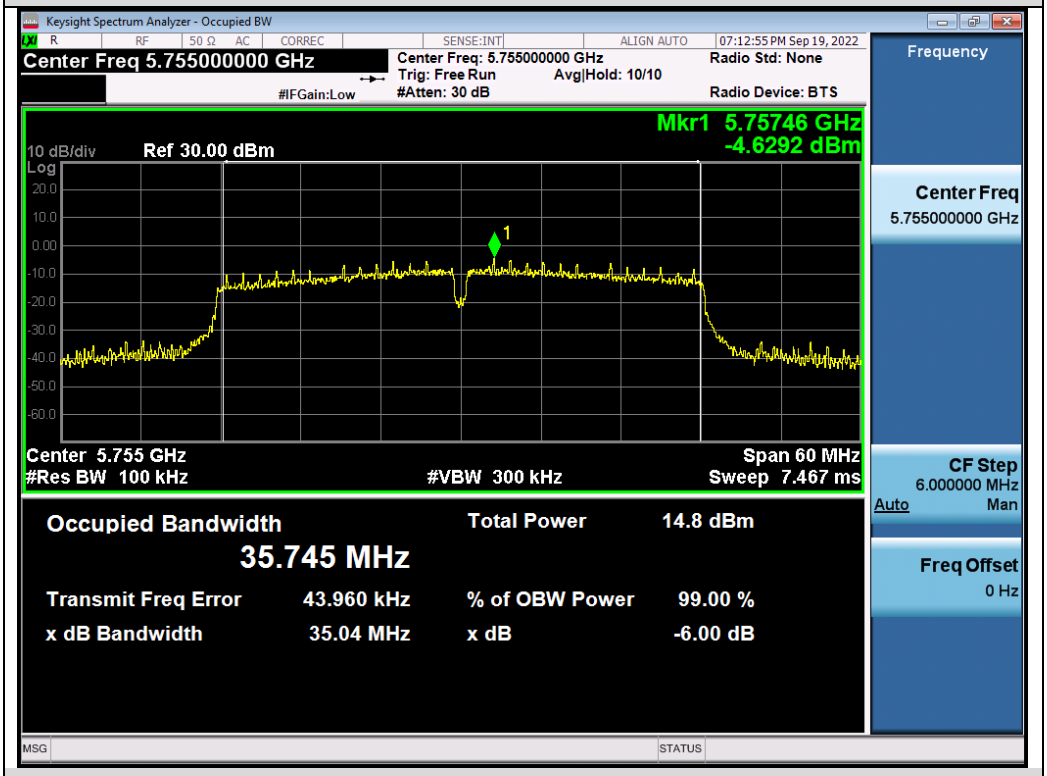


Test_Graph_802.11ac20_ANT1_5745_MCS0_DTSBW

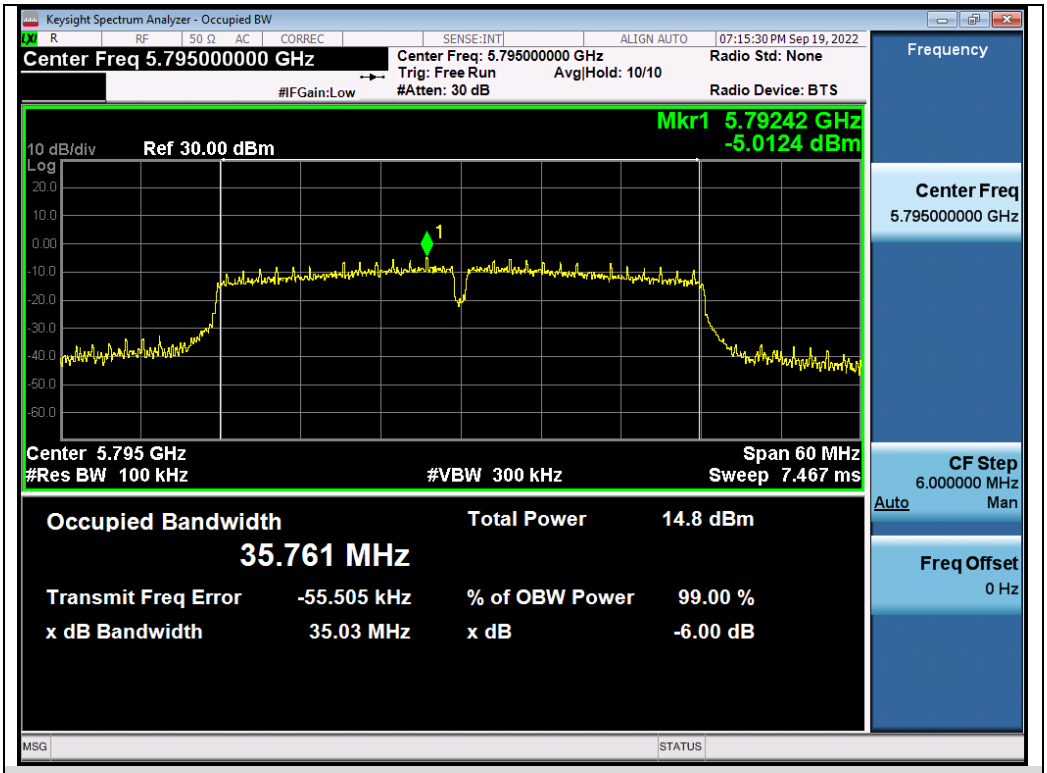


Test_Graph_802.11ac20_ANT1_5785_MCS0_DTSBW

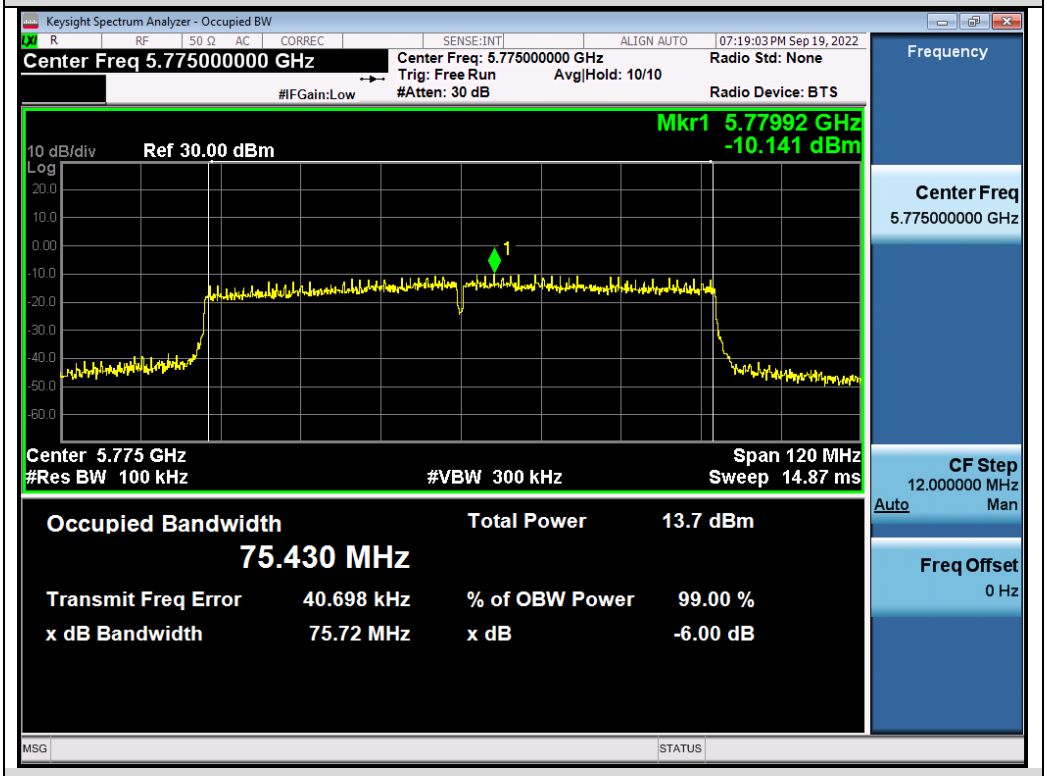
Test_Graph_802.11ac20_ANT1_5825_MCS9_DTSBW



Test_Graph_802.11ac40_ANT1_5755_MCS9_DTSBW



Test_Graph_802.11ac40_ANT1_5795_MCS9_DTSBW



Test_Graph_802.11ac80_ANT1_5775_MCS9_DTSBW

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	2.916	11	Pass
	5200	2.405	11	Pass
	5240	2.204	11	Pass
802.11n20	5180	2.500	11	Pass
	5200	2.262	11	Pass
	5240	1.790	11	Pass
802.11n40	5190	-0.647	11	Pass
	5230	-1.730	11	Pass
802.11ac20	5180	1.628	11	Pass
	5200	1.350	11	Pass
	5240	1.115	11	Pass
802.11ac40	5190	-1.782	11	Pass
	5230	-2.206	11	Pass
802.11ac80	5210	-5.858	11	Pass

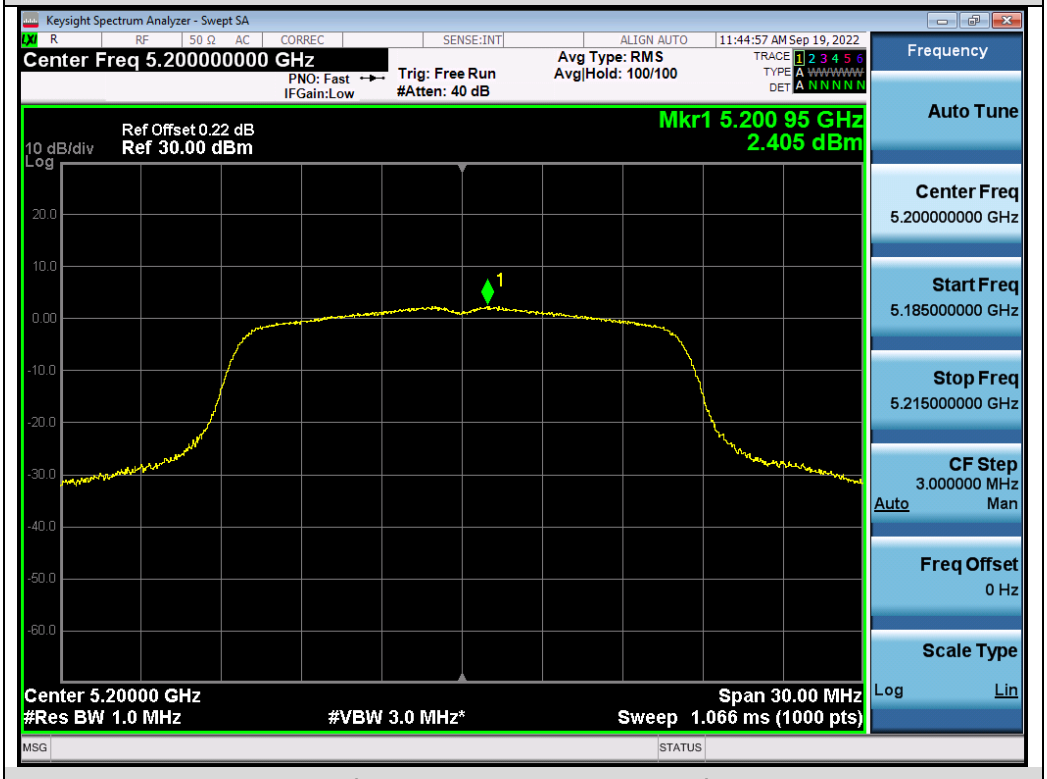
Test Data of Conducted Output Power Density for band 5.25-5.35 GHz				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5260	2.008	11	Pass
	5300	1.582	11	Pass
	5320	1.319	11	Pass
802.11n20	5260	1.346	11	Pass
	5300	0.993	11	Pass
	5320	1.194	11	Pass
802.11n40	5270	-1.667	11	Pass
	5310	-1.525	11	Pass
802.11ac20	5260	0.915	11	Pass
	5300	0.961	11	Pass
	5320	0.798	11	Pass
802.11ac40	5270	-2.600	11	Pass
	5310	-2.382	11	Pass
802.11ac80	5290	-6.154	11	Pass

Test Data of Conducted Output Power Density for band 5.47-5.725 GHz				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5500	2.153	11	Pass
	5600	1.672	11	Pass
	5700	1.438	11	Pass
802.11n20	5500	1.556	11	Pass
	5600	1.045	11	Pass
	5700	0.725	11	Pass
802.11n40	5510	-1.456	11	Pass
	5590	-2.029	11	Pass
802.11ac20	5670	-2.119	11	Pass
	5500	0.890	11	Pass
	5600	0.688	11	Pass
802.11ac40	5700	0.360	11	Pass
	5510	-2.690	11	Pass
802.11ac80	5610	-7.096	11	Pass

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
802.11a	5745	-0.595	30	Pass
	5785	-0.875	30	Pass
	5825	-0.892	30	Pass
802.11n20	5745	-1.237	30	Pass
	5785	-1.478	30	Pass
	5825	-1.189	30	Pass
802.11n40	5755	-4.399	30	Pass
	5795	-4.975	30	Pass
802.11ac20	5745	-1.877	30	Pass
	5785	-1.867	30	Pass
	5825	-2.117	30	Pass
802.11ac40	5755	-5.377	30	Pass
	5795	-5.546	30	Pass
802.11ac80	5775	-8.712	30	Pass

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

Test_Graph_802.11a_ANT1_5240_6Mbps_PSD

Test_Graph_802.11n20_ANT1_5180_MCS0_PSD

Test_Graph_802.11n20_ANT1_5200_MCS0_PSD

Test_Graph_802.11n20_ANT1_5240_MCS0_PSD