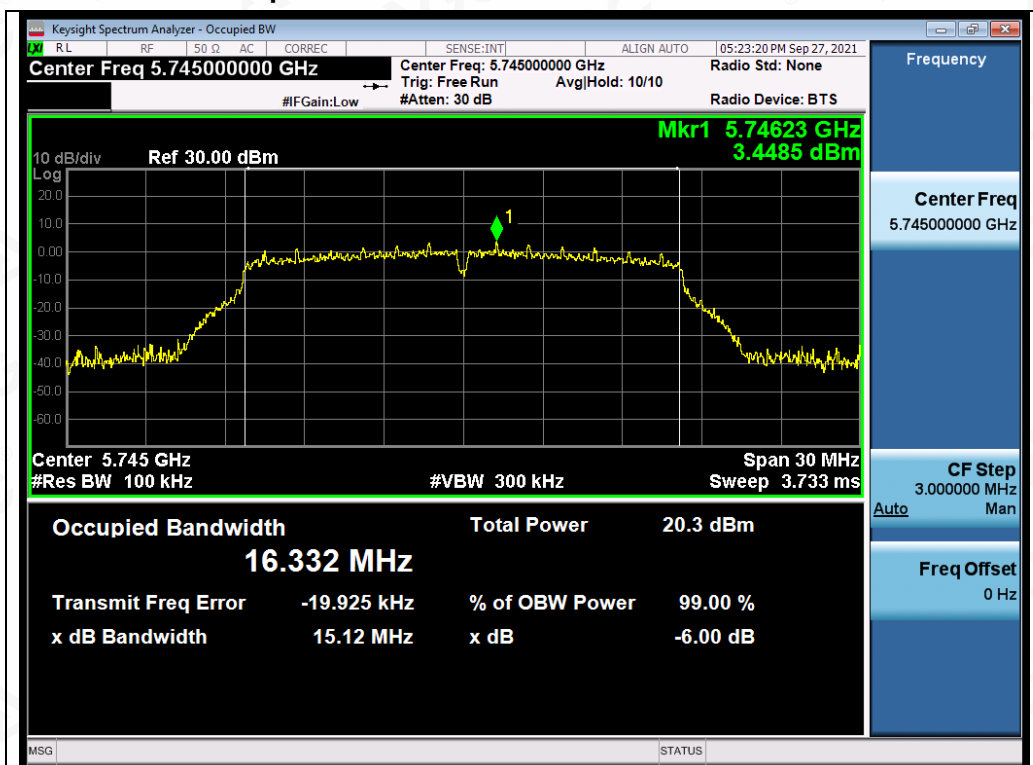
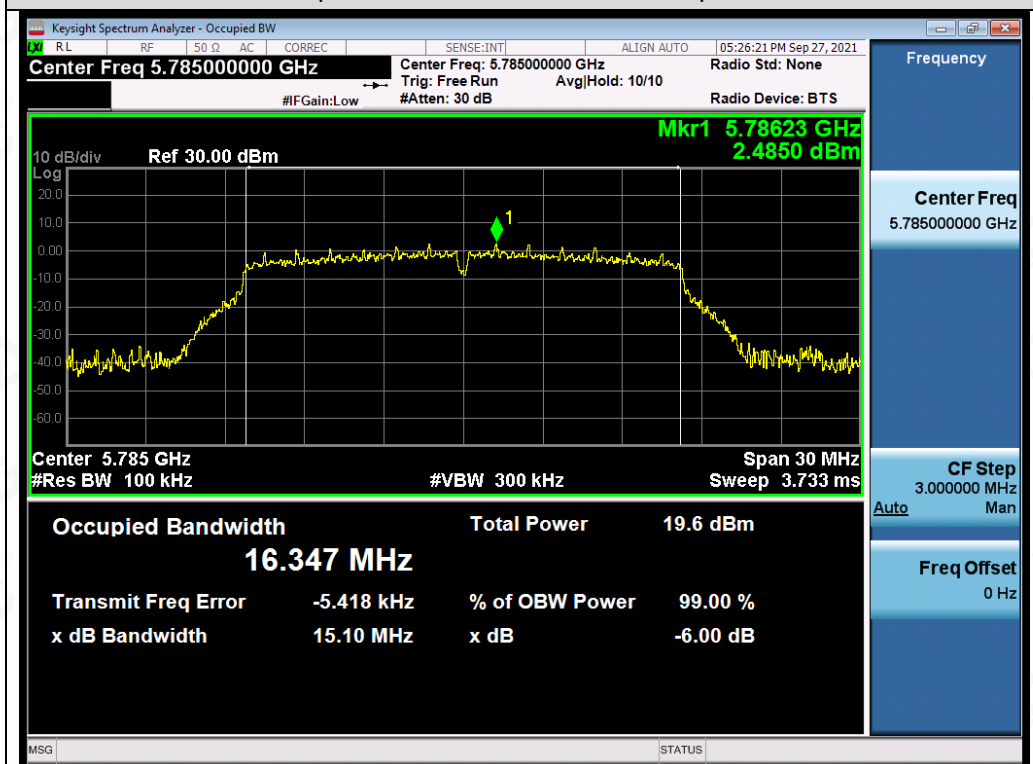


Test Graphs of DTS Bandwidth for band 5.725-5.85 GHz



Test_Graph_802.11a_ANT1_5745_6Mbps_DTSBW

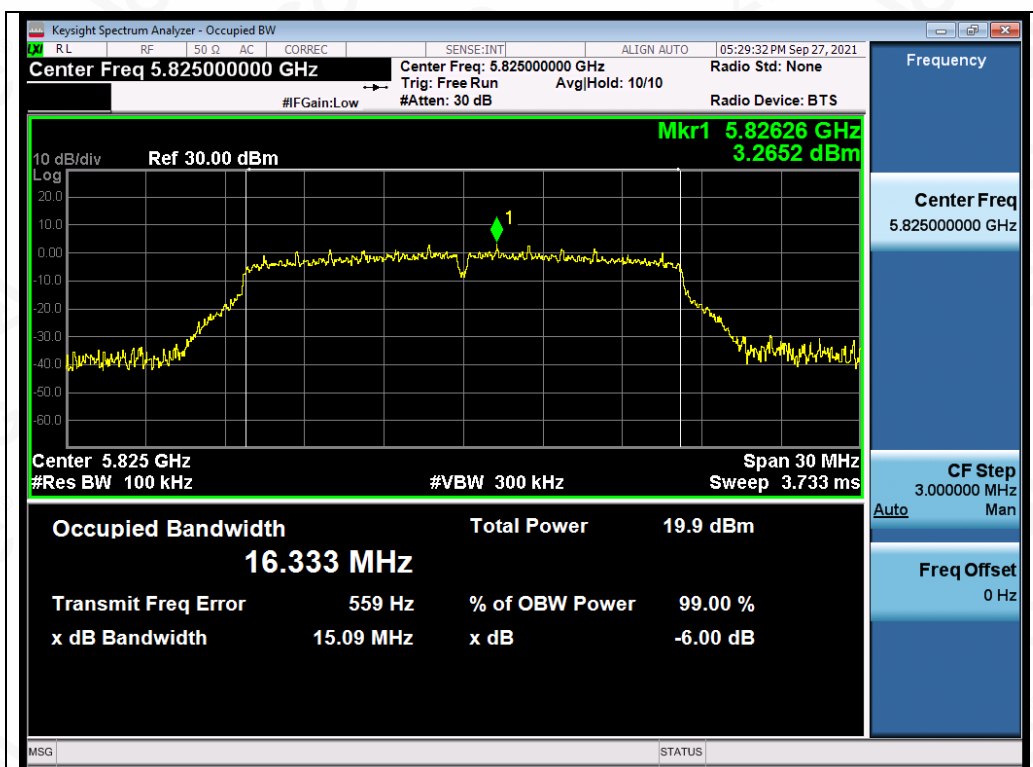


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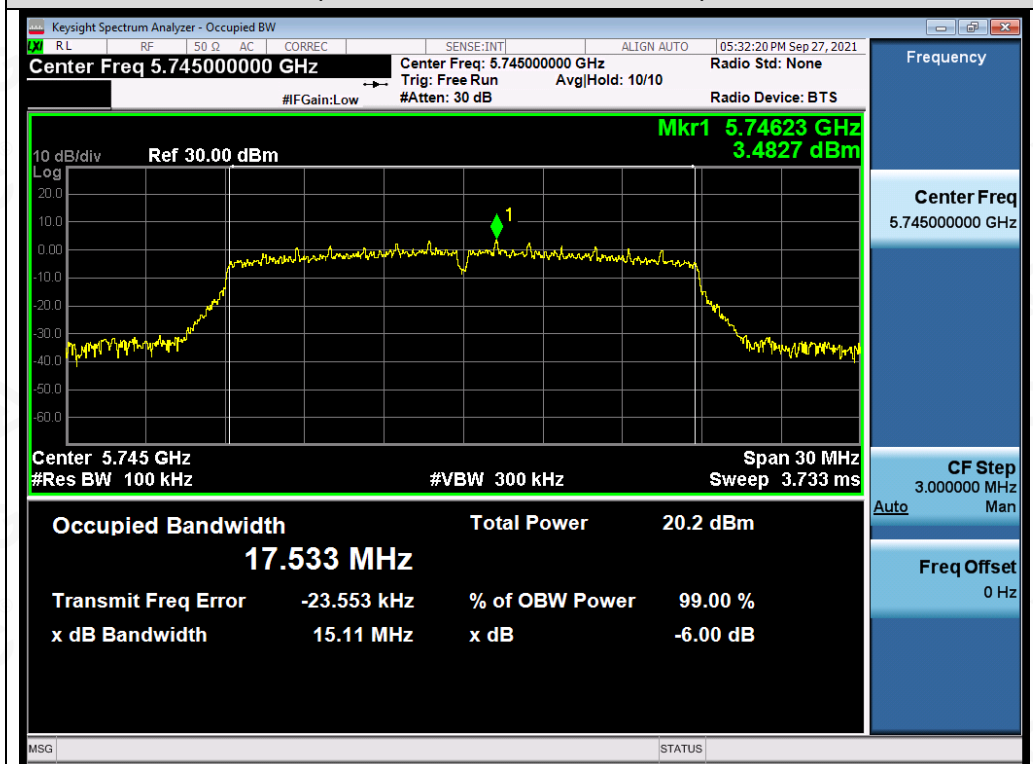
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Test_Graph_802.11a_ANT1_5825_6Mbps_DTSBW



Test_Graph_802.11n20_ANT1_5745_MCS0_DTSBW

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Test_Graph_802.11n20_ANT1_5785_MCS0_DTSBW

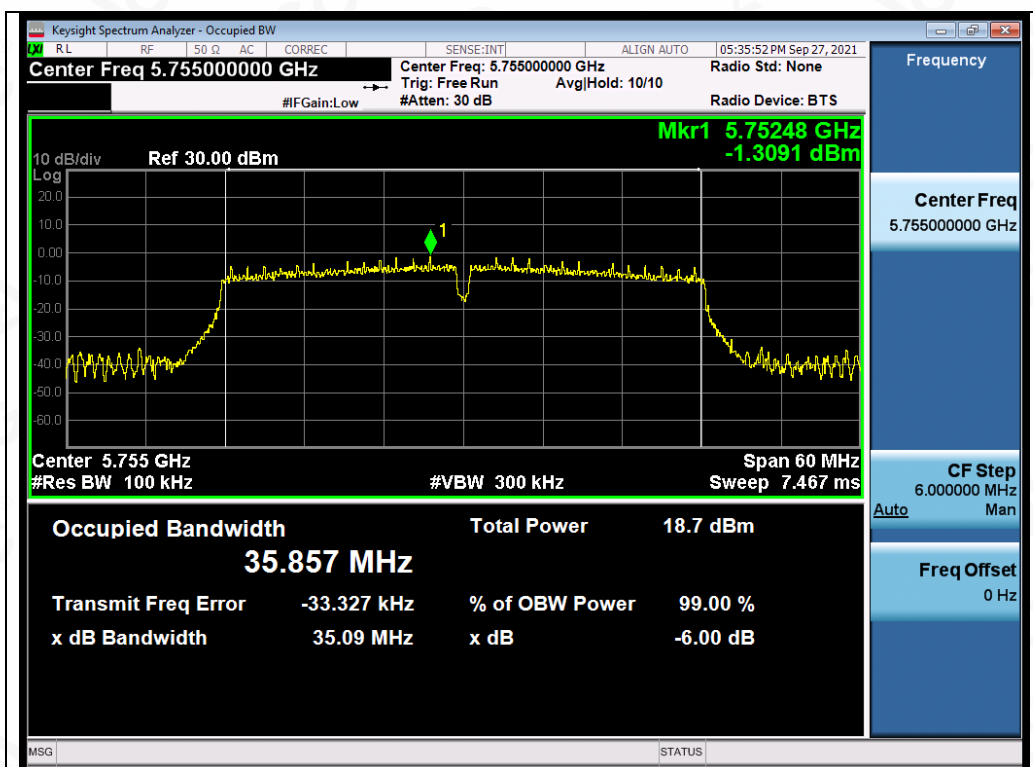


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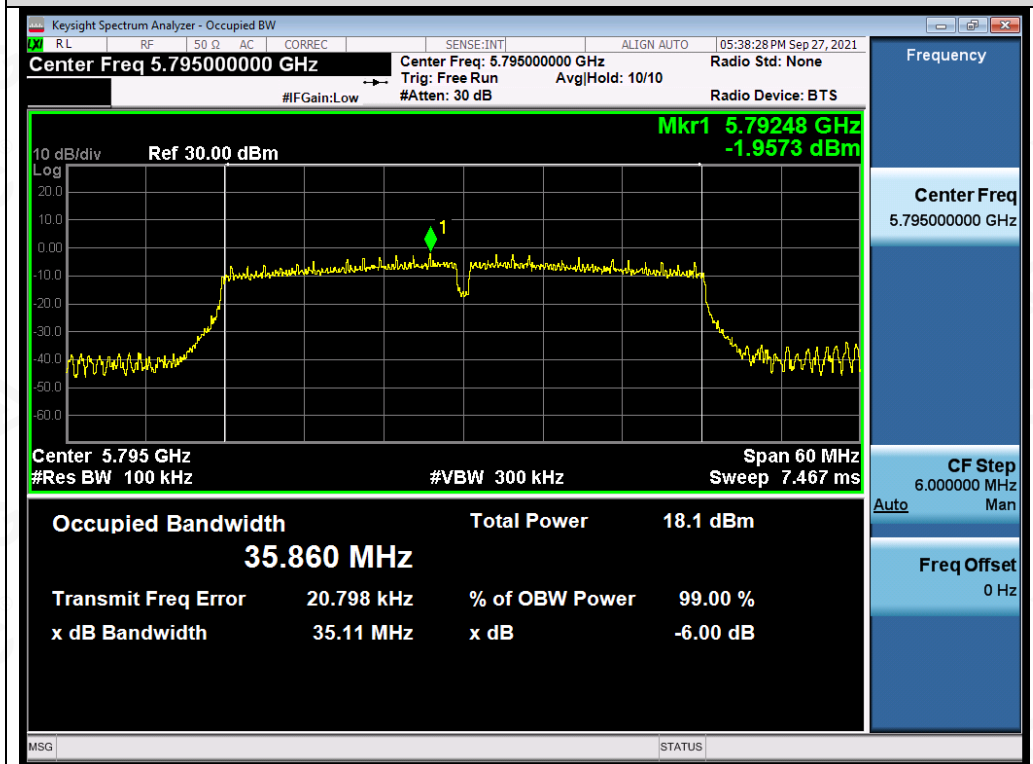
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Test_Graph_802.11n40_ANT1_5755_MCS0_DTSBW

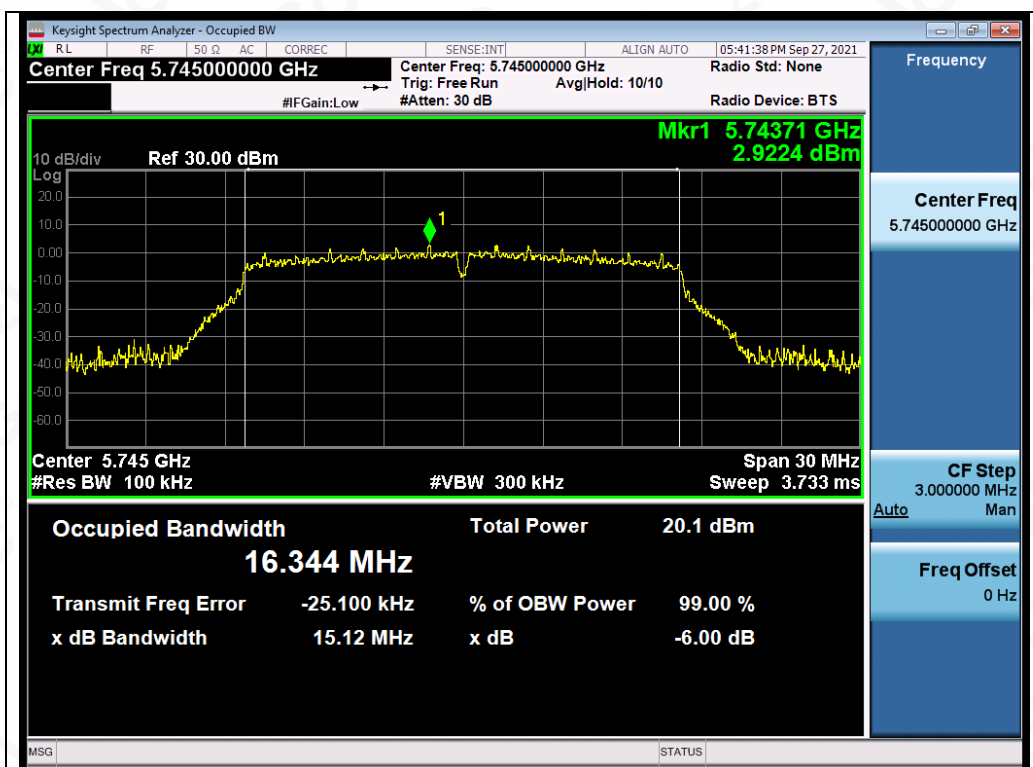


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Test_Graph_802.11a_ANT2_5745_6Mbps_DTSBW

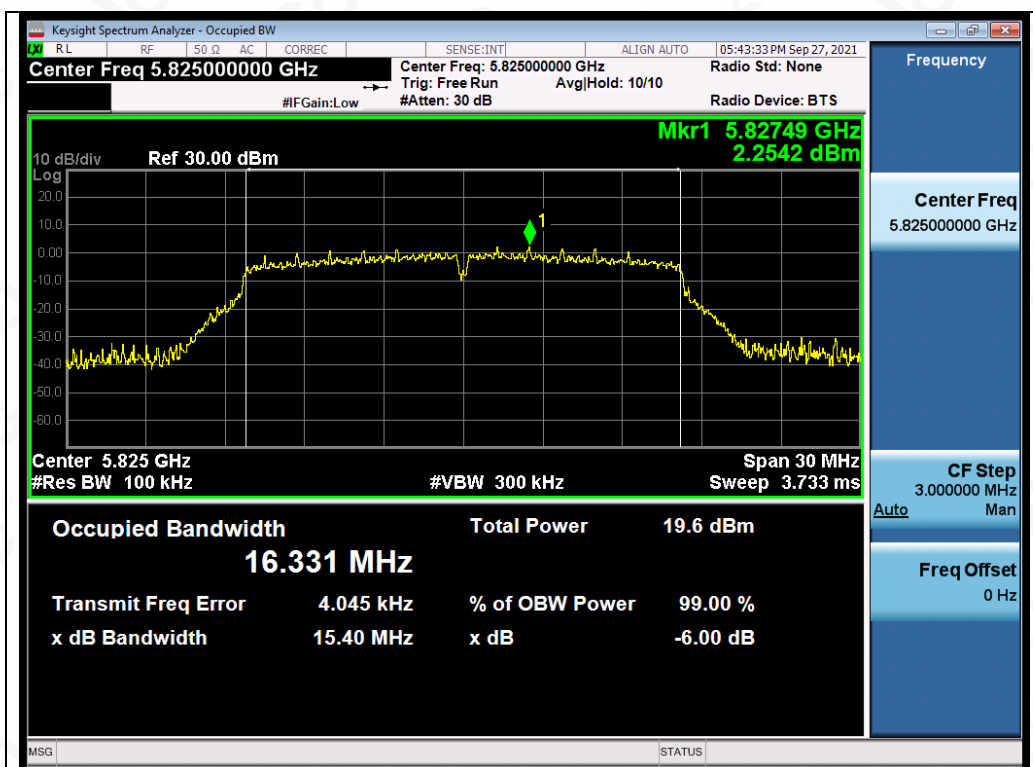


Test_Graph_802.11a_ANT2_5785_6Mbps_DTSBW

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Test_Graph_802.11a_ANT2_5825_6Mbps_DTSBW



Test_Graph_802.11n20_ANT2_5745_MCS0_DTSBW

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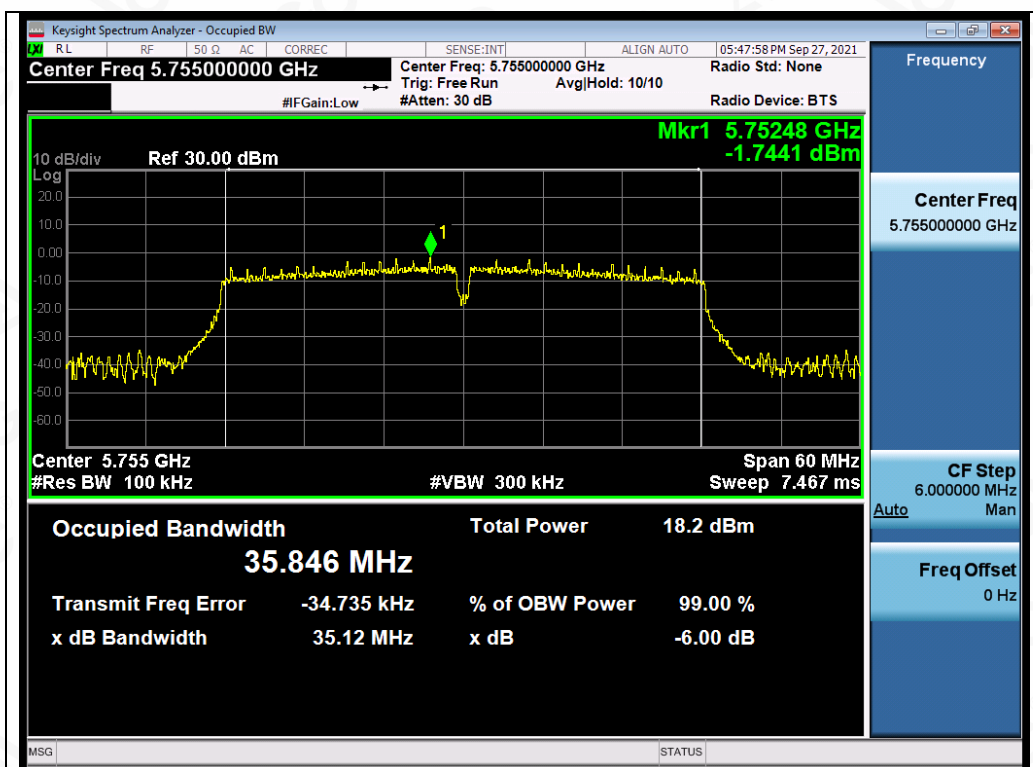


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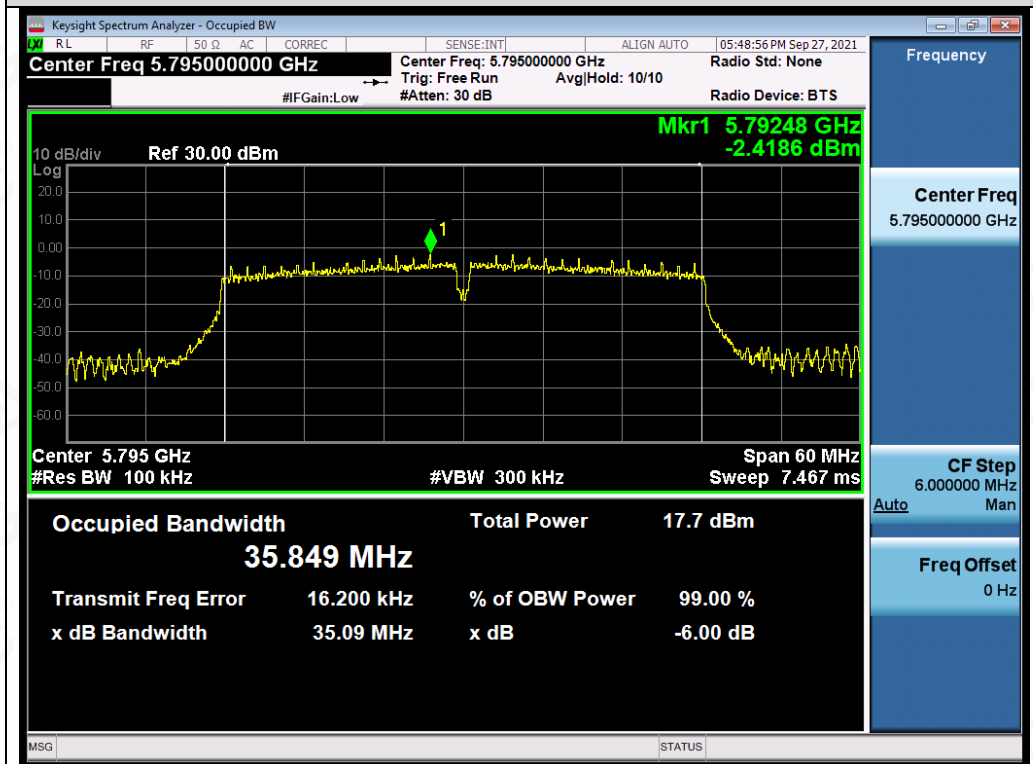
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Test_Graph_802.11n40_ANT2_5755_MCS0_DTSBW



Test_Graph_802.11n40_ANT2_5795_MCS0_DTSBW

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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-antenna 1				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5180	4.262	11	Pass
	5200	5.150	11	Pass
	5240	4.729	11	Pass
802.11n20	5180	3.145	11	Pass
	5200	3.874	11	Pass
	5240	4.430	11	Pass
802.11n40	5190	-0.083	11	Pass
	5230	-0.023	11	Pass

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-antenna 2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5180	3.047	11	Pass
	5200	3.970	11	Pass
	5240	4.440	11	Pass
802.11n20	5180	2.561	11	Pass
	5200	3.519	11	Pass
	5240	4.363	11	Pass
802.11n40	5190	-0.442	11	Pass
	5230	-0.155	11	Pass

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Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-antenna 1+2				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11n20	5180	5.87	11	Pass
	5200	6.71	11	Pass
	5240	7.41	11	Pass
802.11n40	5190	2.75	11	Pass
	5230	2.92	11	Pass

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-antenna 1					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
802.11a	5745	-4.113	2.877	30	Pass
	5785	-4.950	2.040	30	Pass
	5825	-4.905	2.085	30	Pass
802.11n20	5745	-4.653	2.337	30	Pass
	5785	-5.304	1.686	30	Pass
	5825	-5.105	1.885	30	Pass
802.11n40	5755	-8.350	-1.360	30	Pass
	5795	-9.027	-2.037	30	Pass

Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-antenna 2					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
802.11a	5745	-4.591	2.399	30	Pass
	5785	-5.376	1.614	30	Pass
	5825	-5.011	1.979	30	Pass
802.11n20	5745	-4.727	2.263	30	Pass
	5785	-5.773	1.217	30	Pass
	5825	-5.330	1.660	30	Pass
802.11n40	5755	-8.811	-1.821	30	Pass
	5795	-9.755	-2.765	30	Pass

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Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-antenna 1+2					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
802.11n20	5745	-1.680	5.310	30	Pass
	5785	-2.522	4.468	30	Pass
	5825	-2.206	4.784	30	Pass
802.11n40	5755	-5.564	1.426	30	Pass
	5795	-6.365	0.625	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

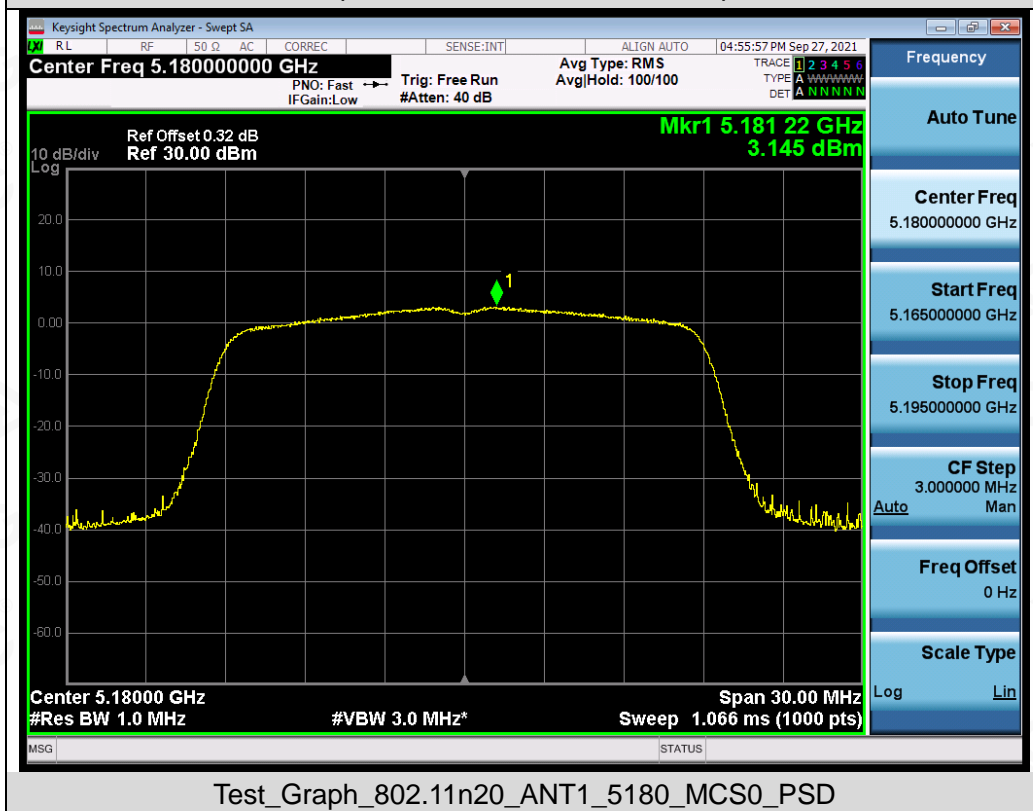
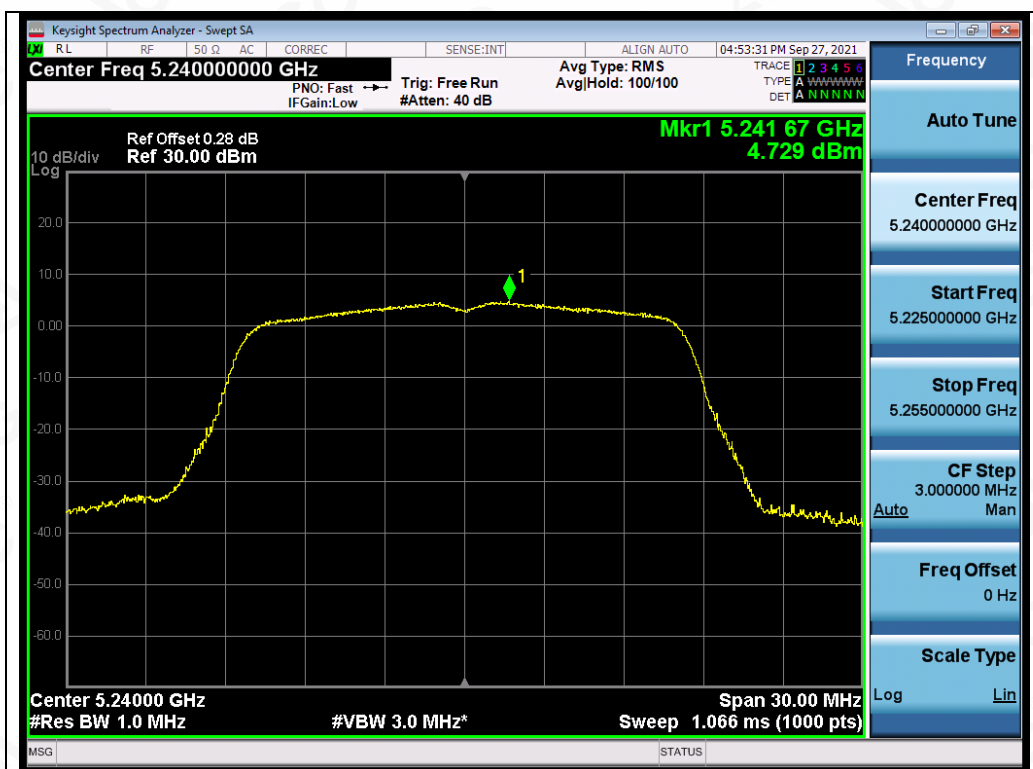


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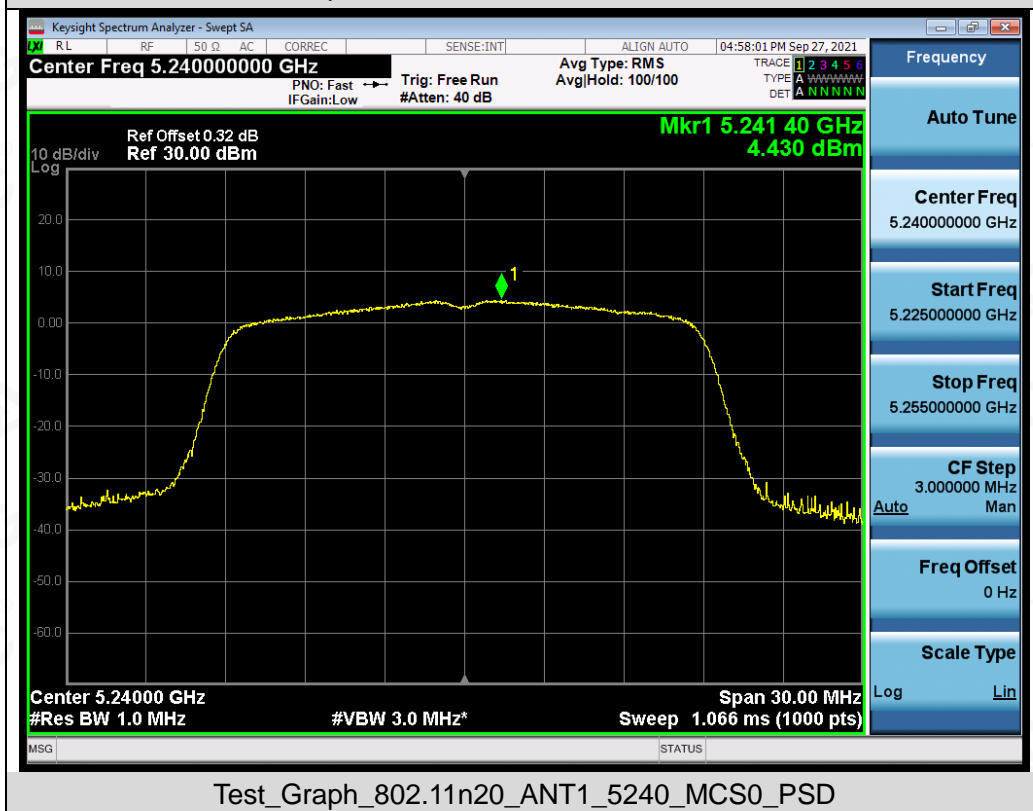
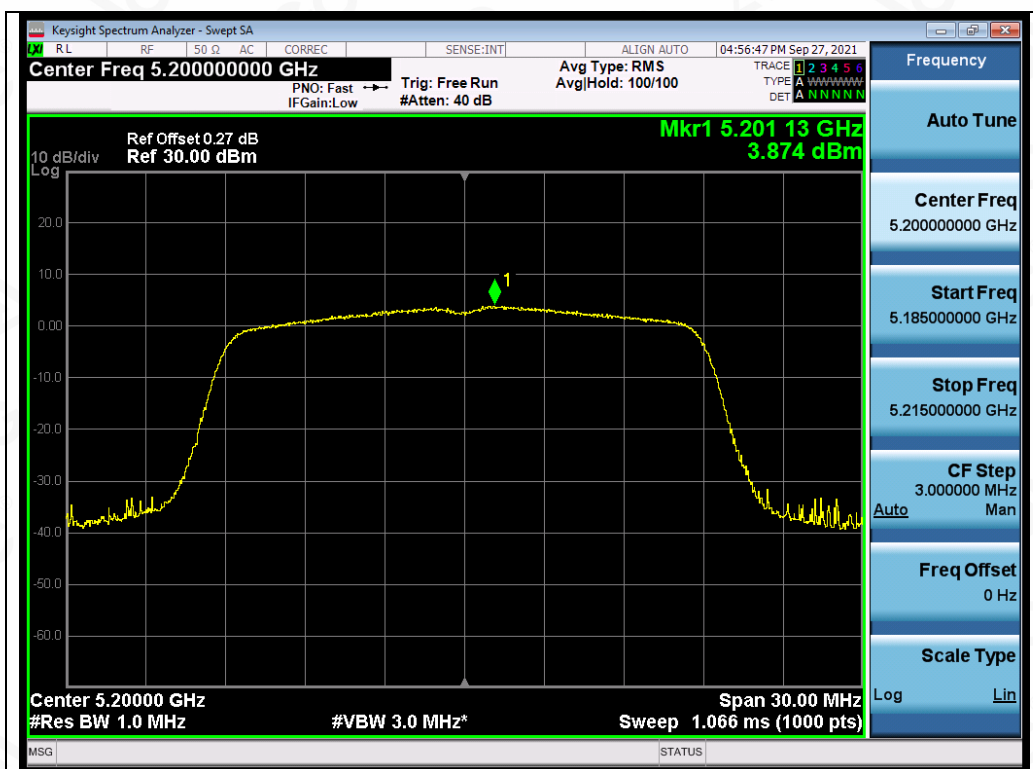




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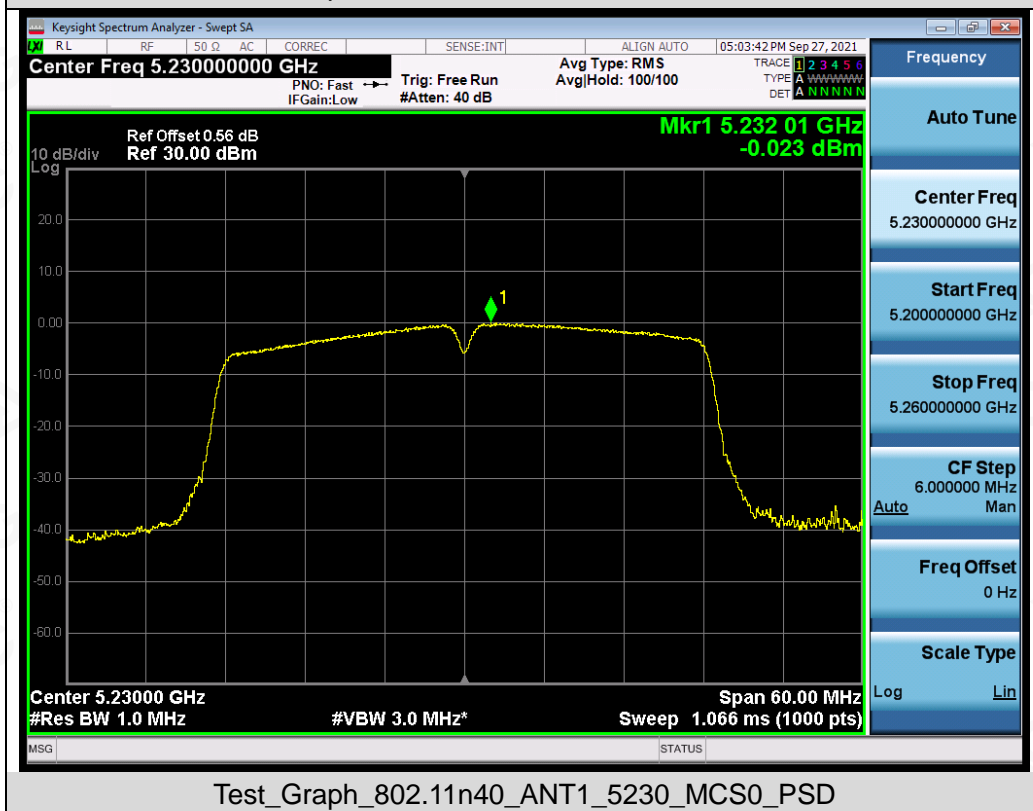
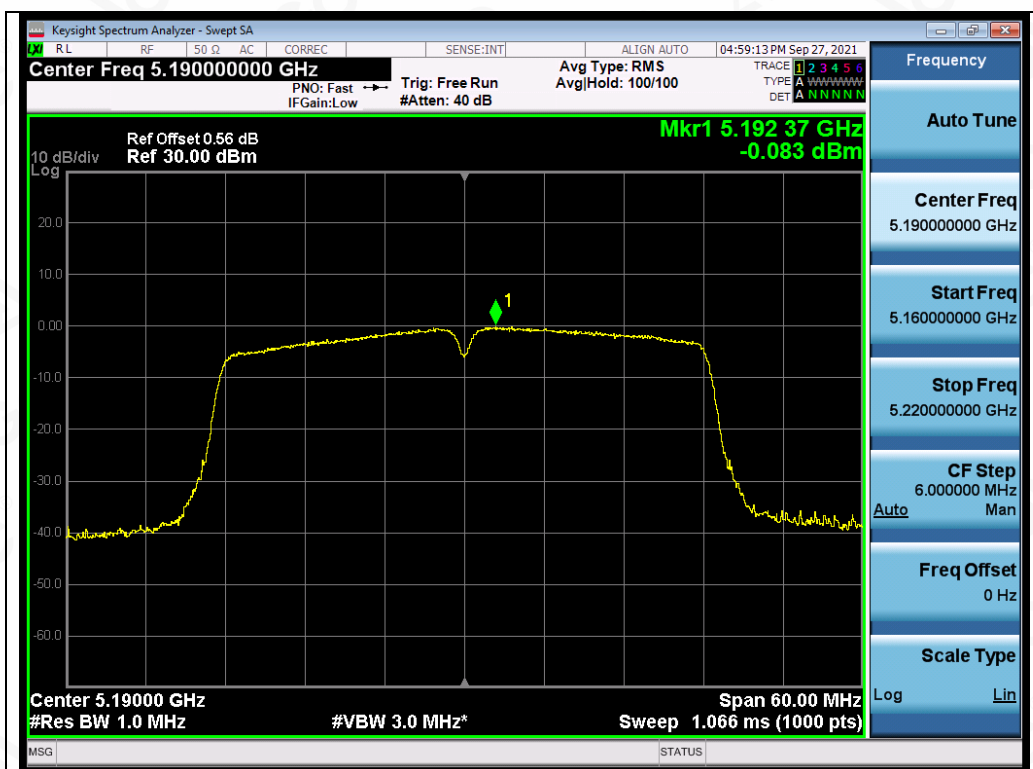




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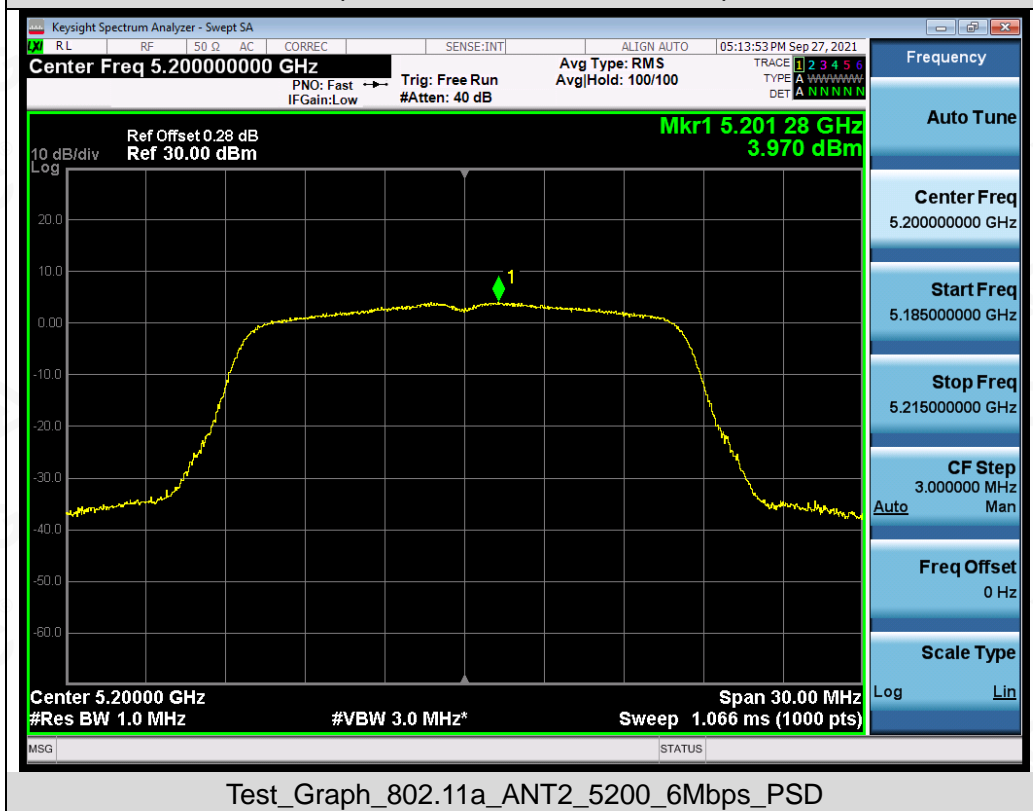




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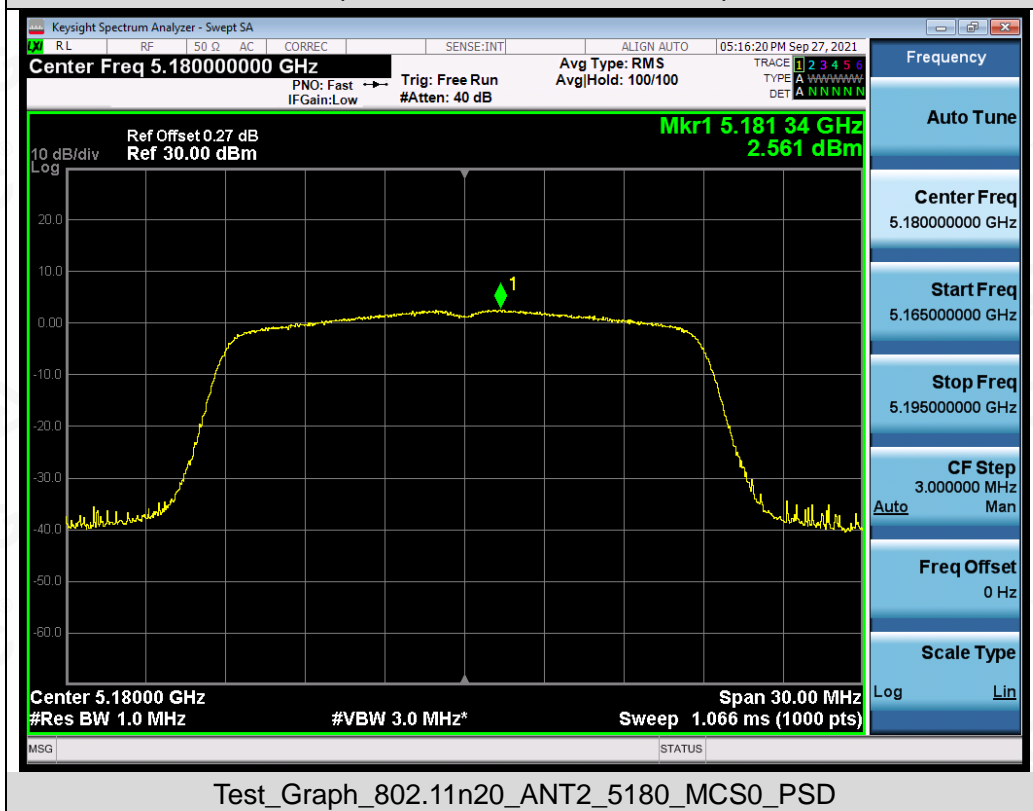
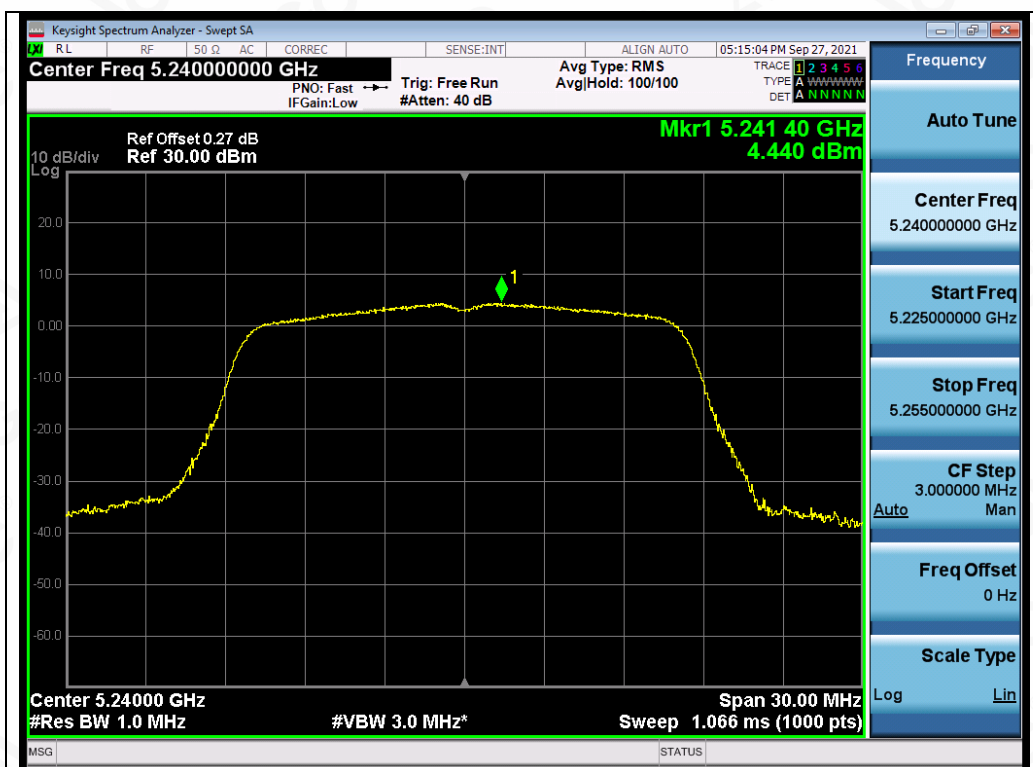




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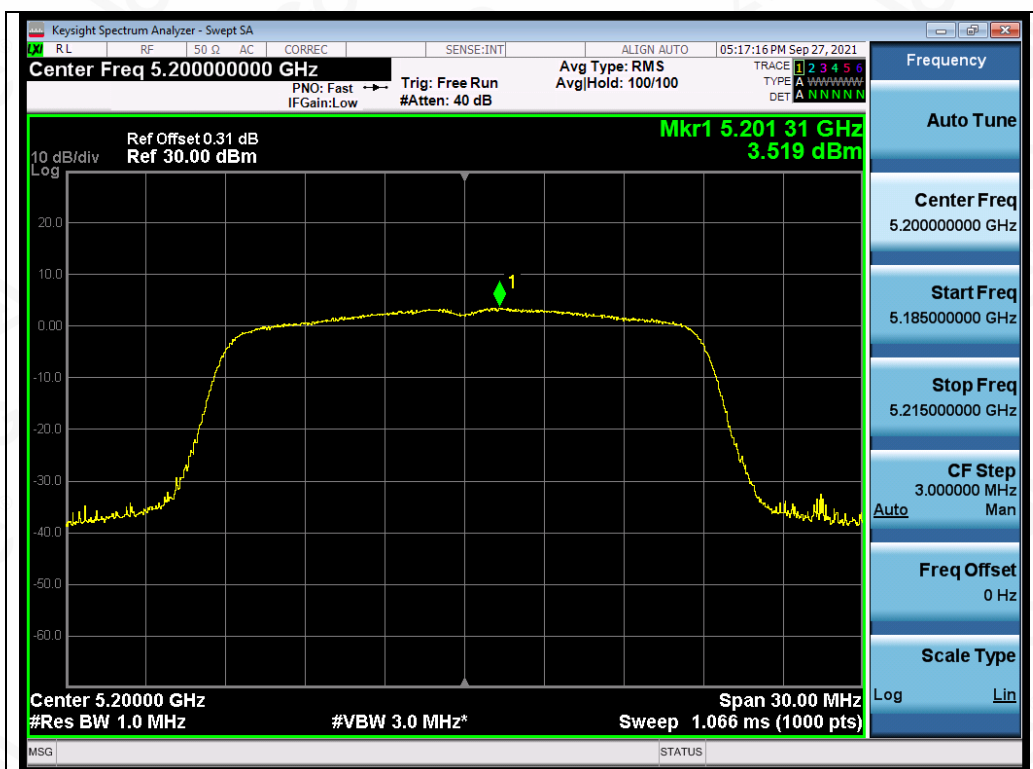




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Test_Graph_802.11n20_ANT2_5200_MCS0_PSD

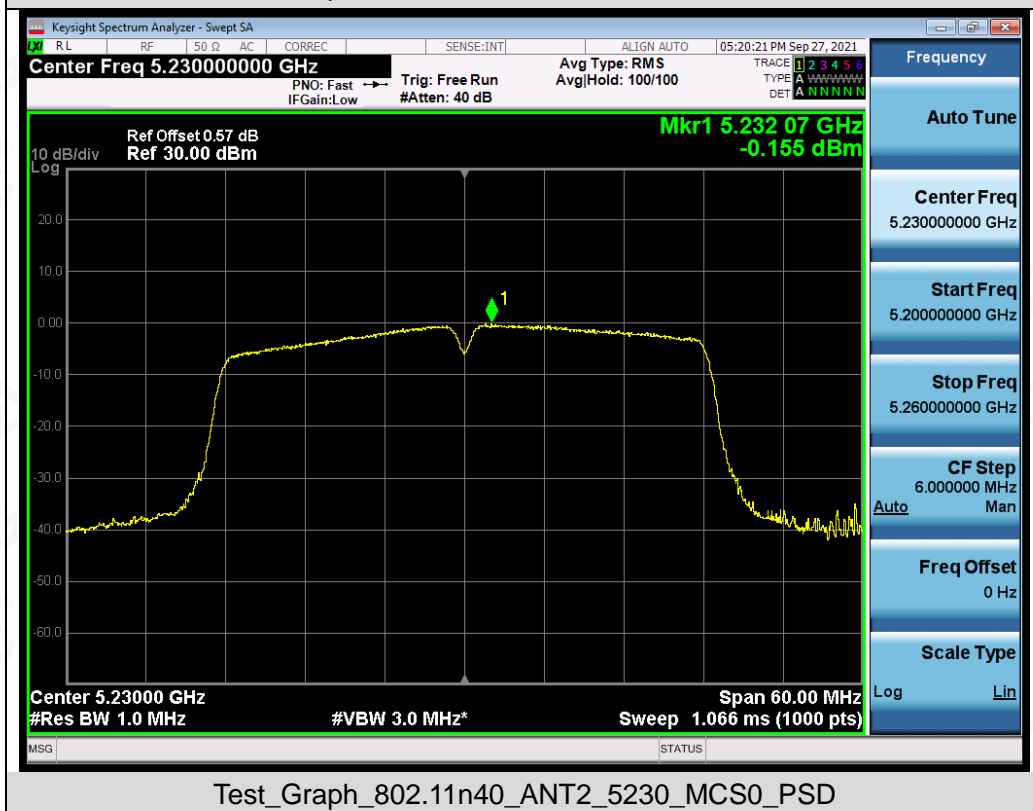
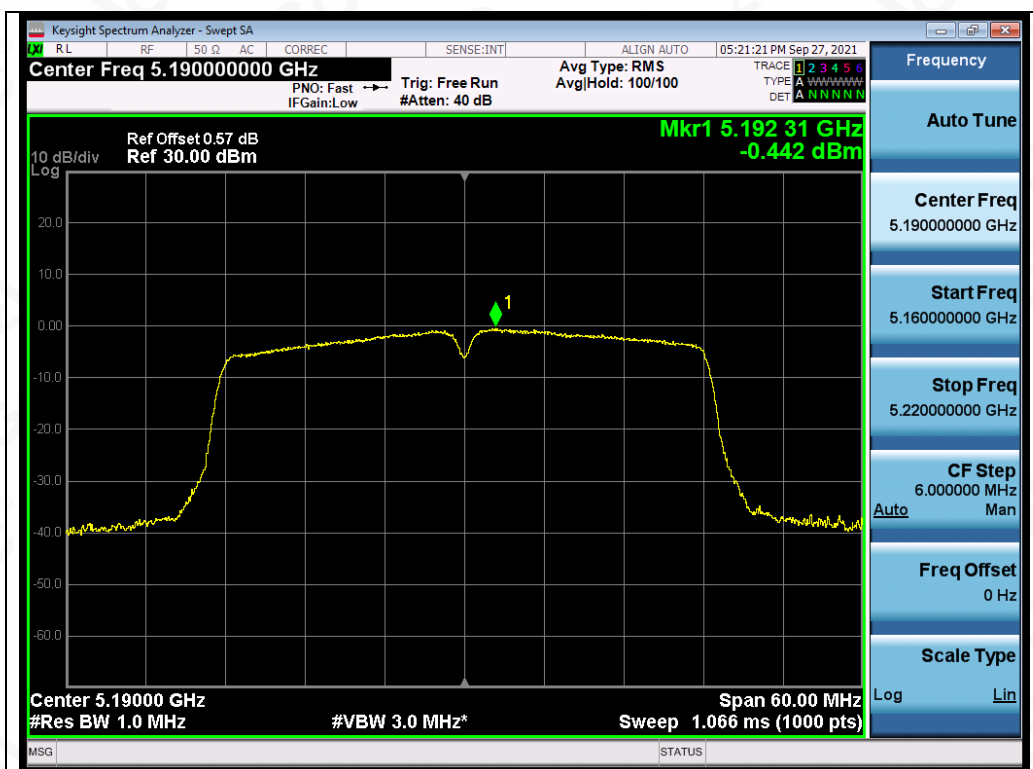


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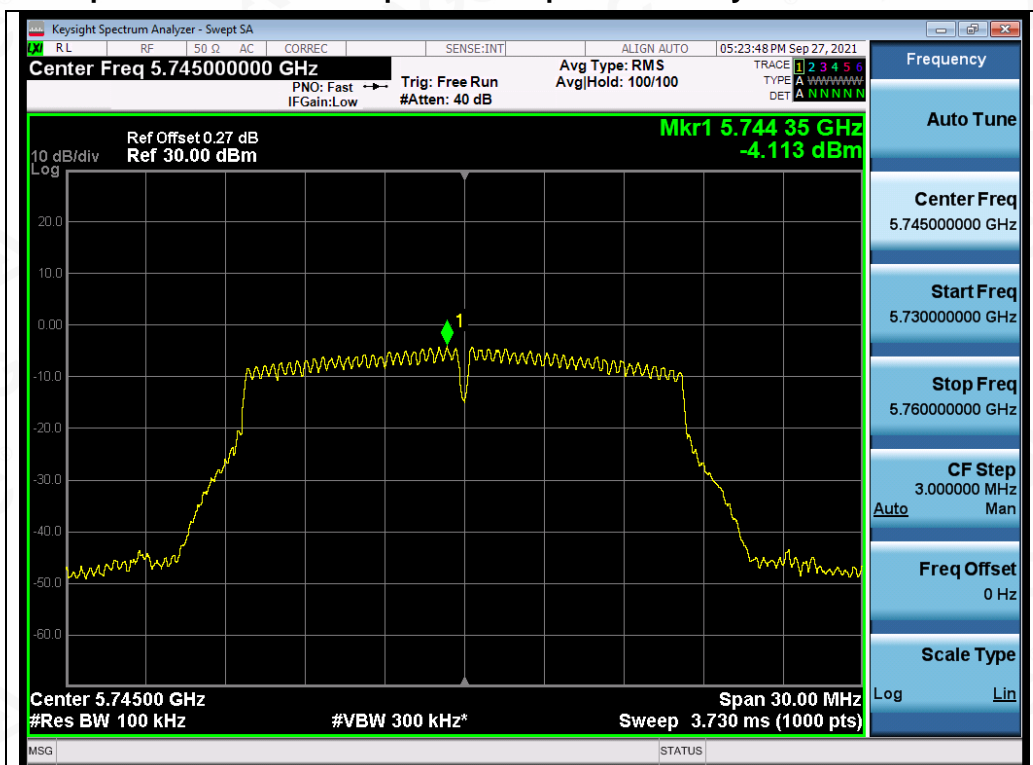


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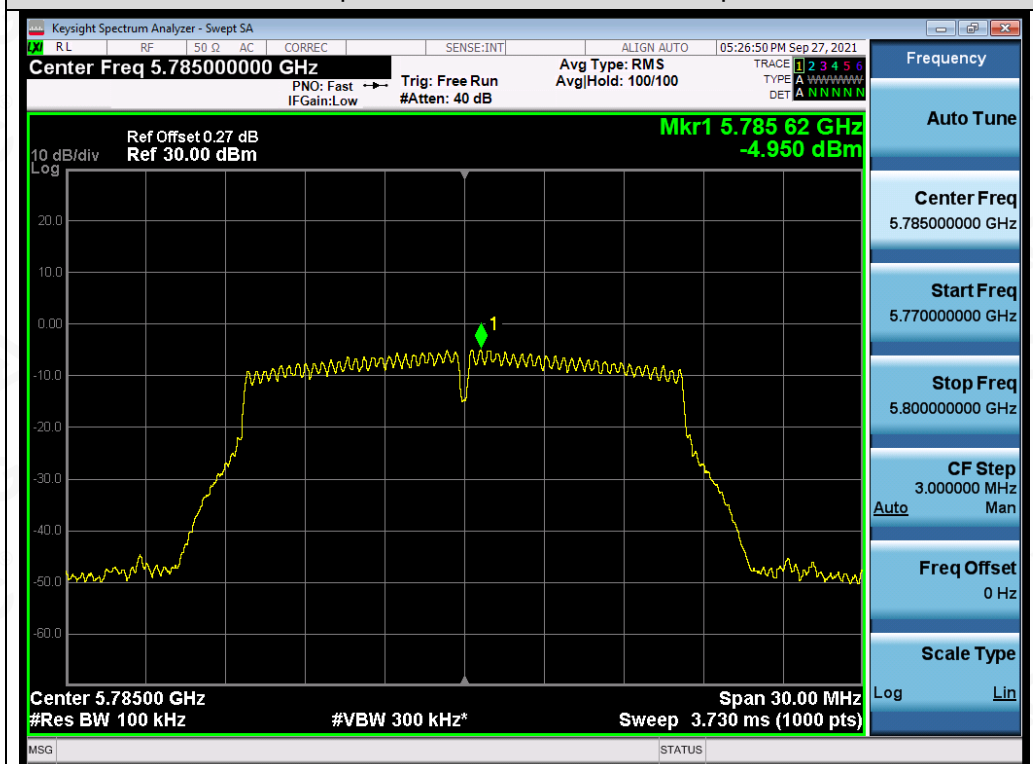
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Test Graphs of Conducted Output Power Spectral Density for band 5.725-5.85 GHz



Test_Graph_802.11a_ANT1_5745_6Mbps_PSD

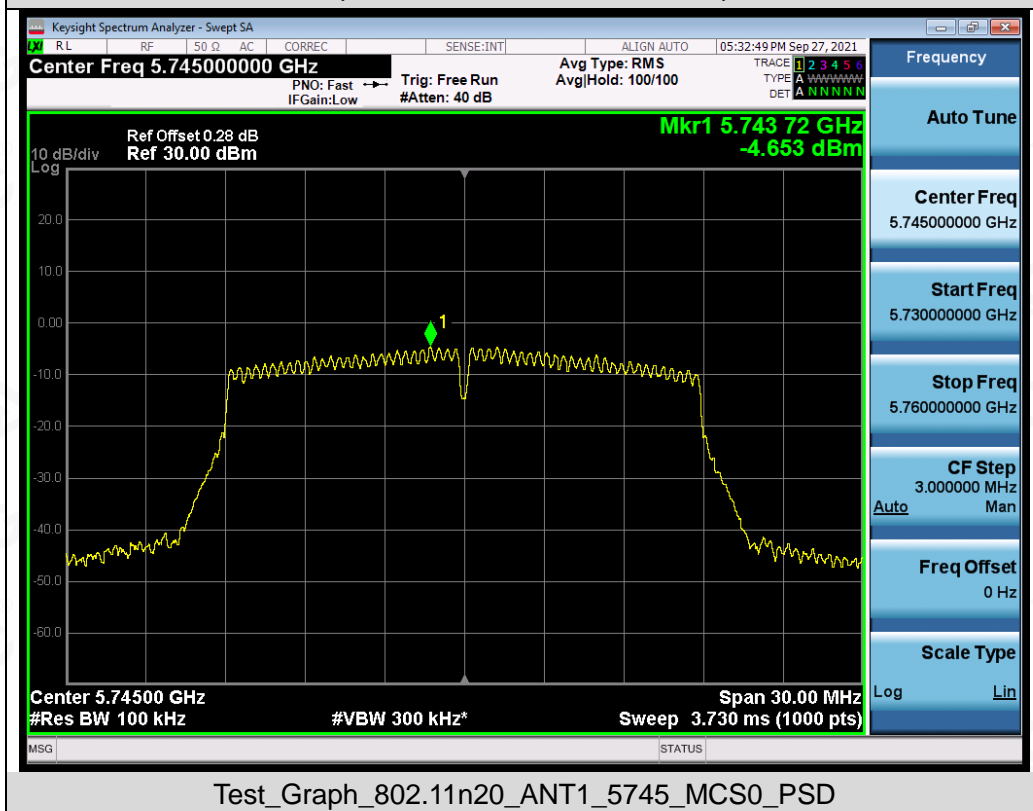


Test_Graph_802.11a_ANT1_5785_6Mbps_PSD

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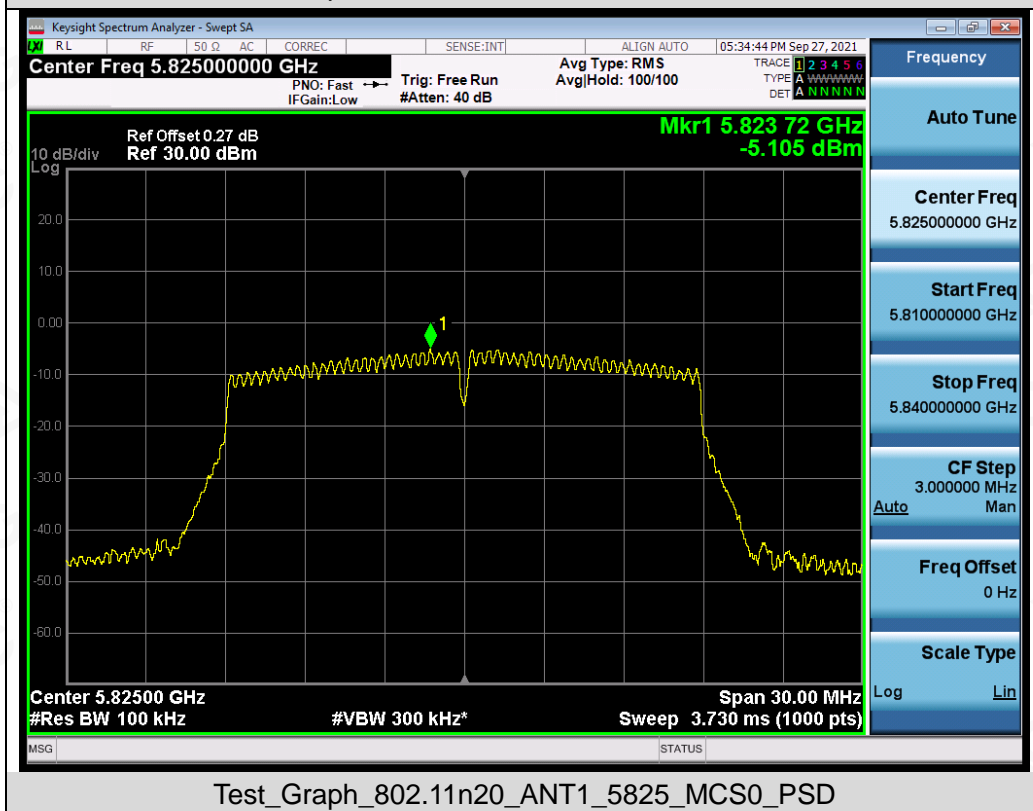
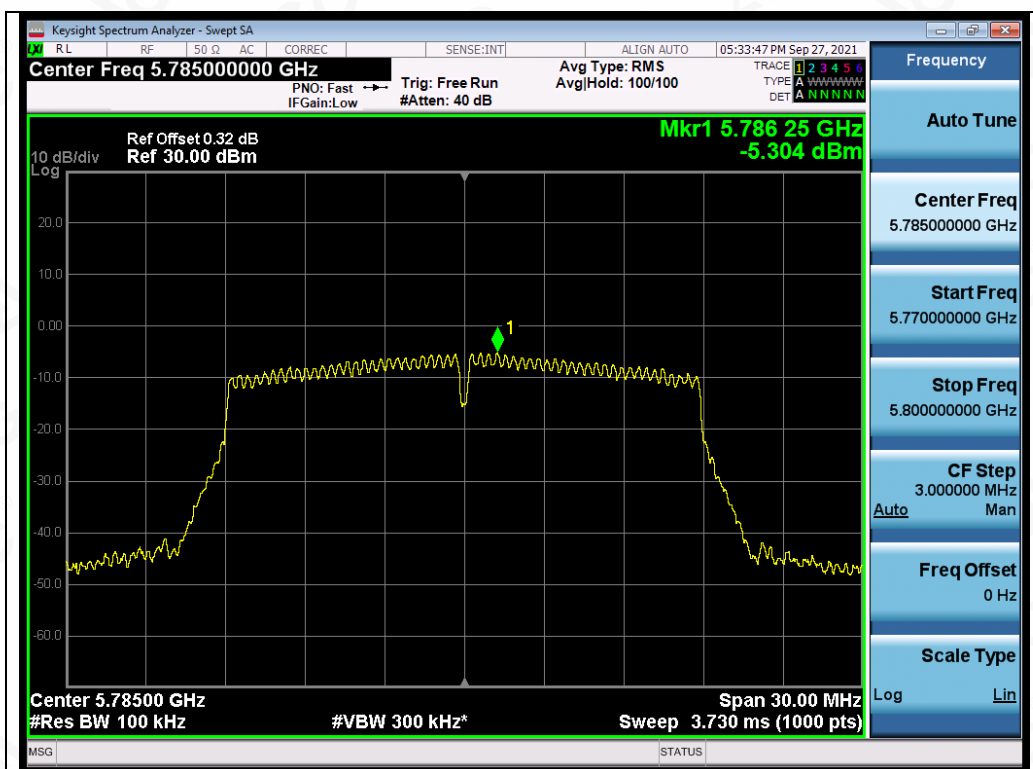




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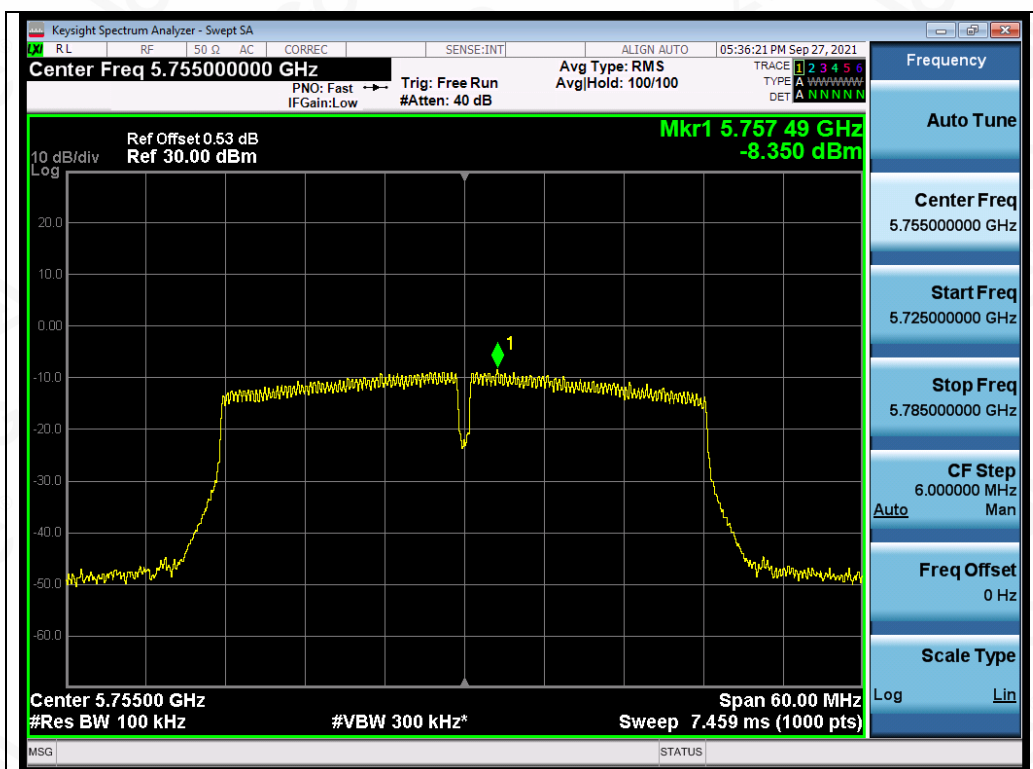




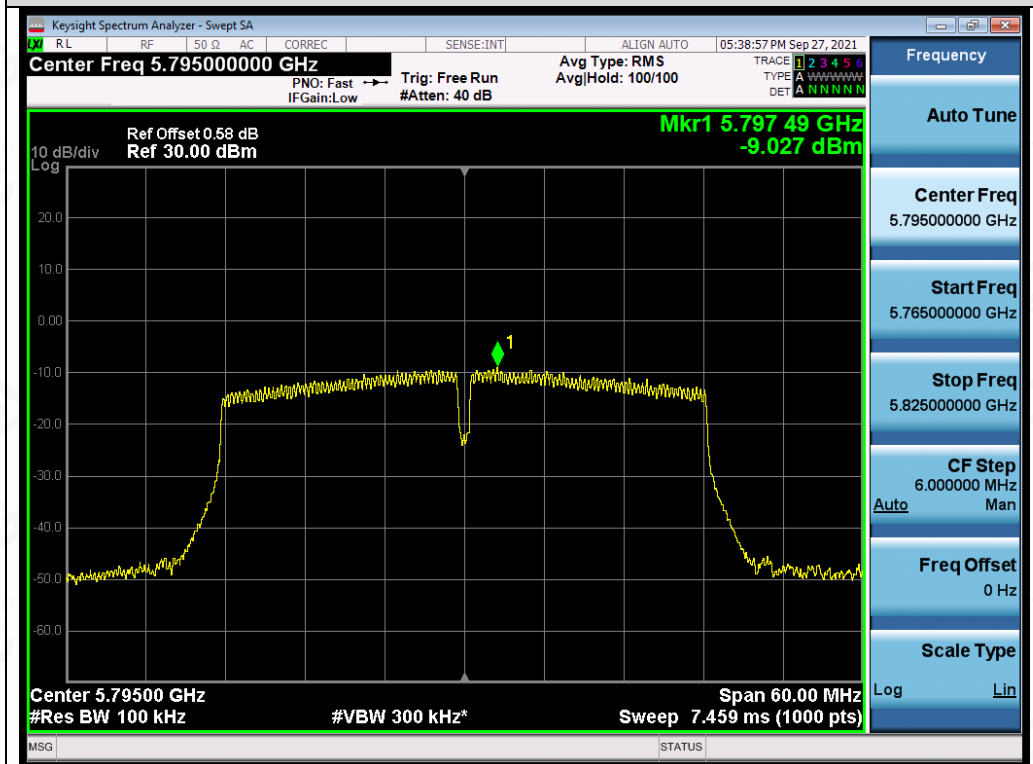
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Test_Graph_802.11n40_ANT1_5755_MCS0_PSD

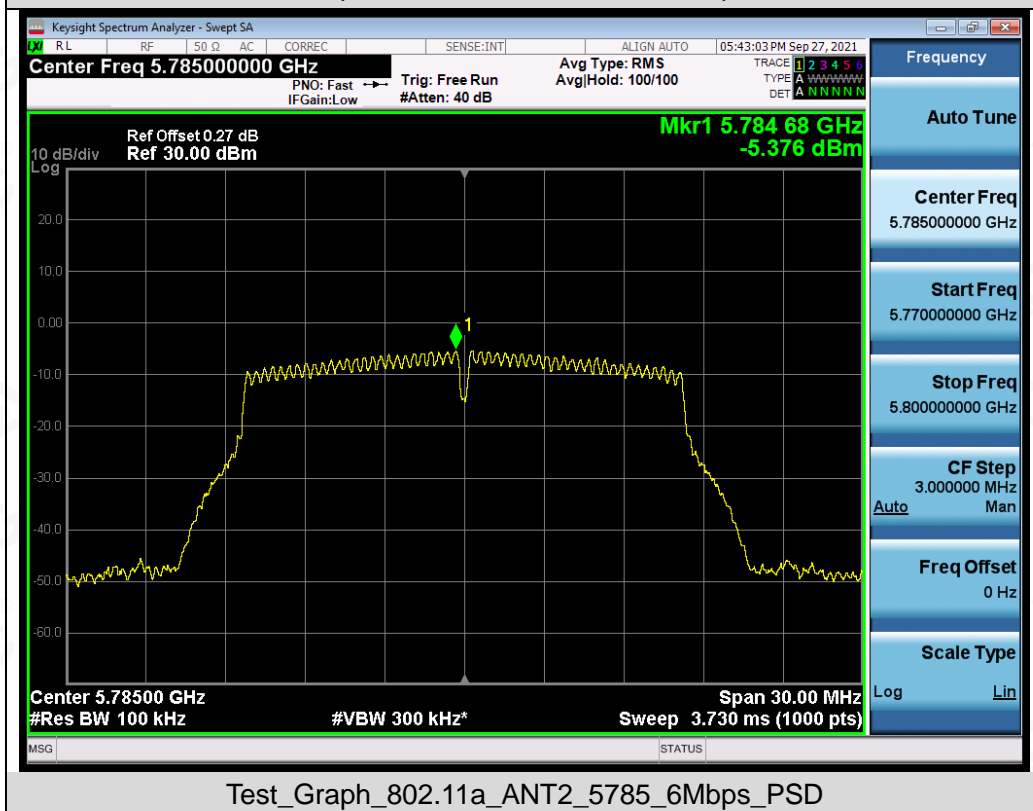
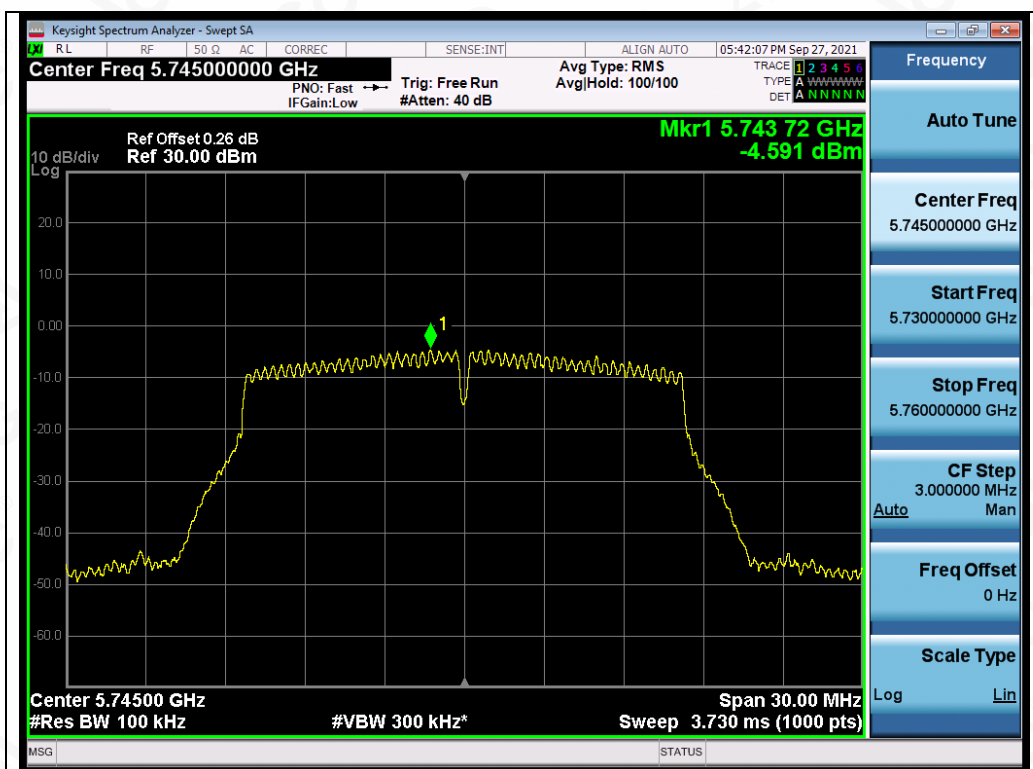


Test_Graph_802.11n40_ANT1_5795_MCS0_PSD

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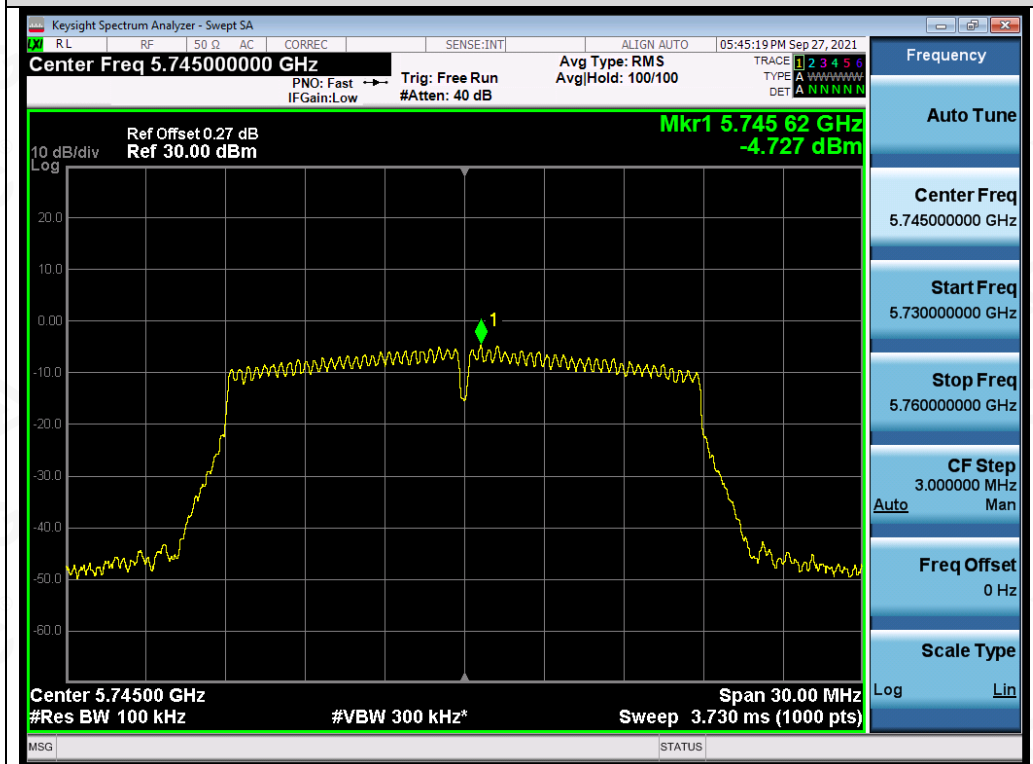
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Test_Graph_802.11a_ANT2_5825_6Mbps_PSD

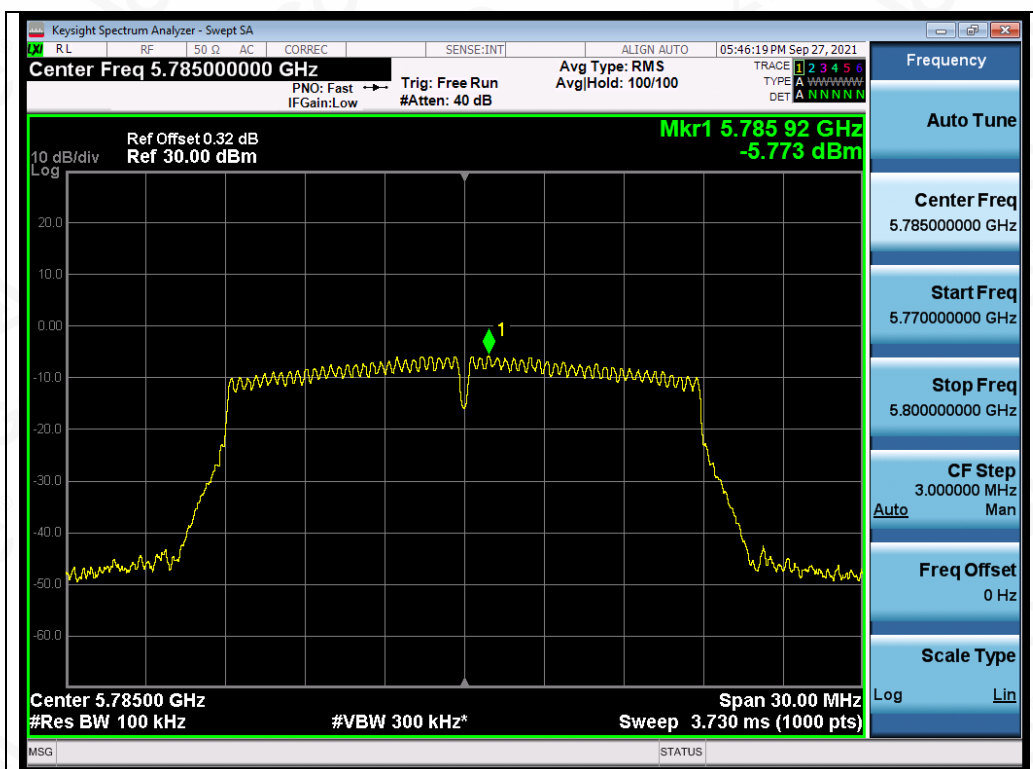


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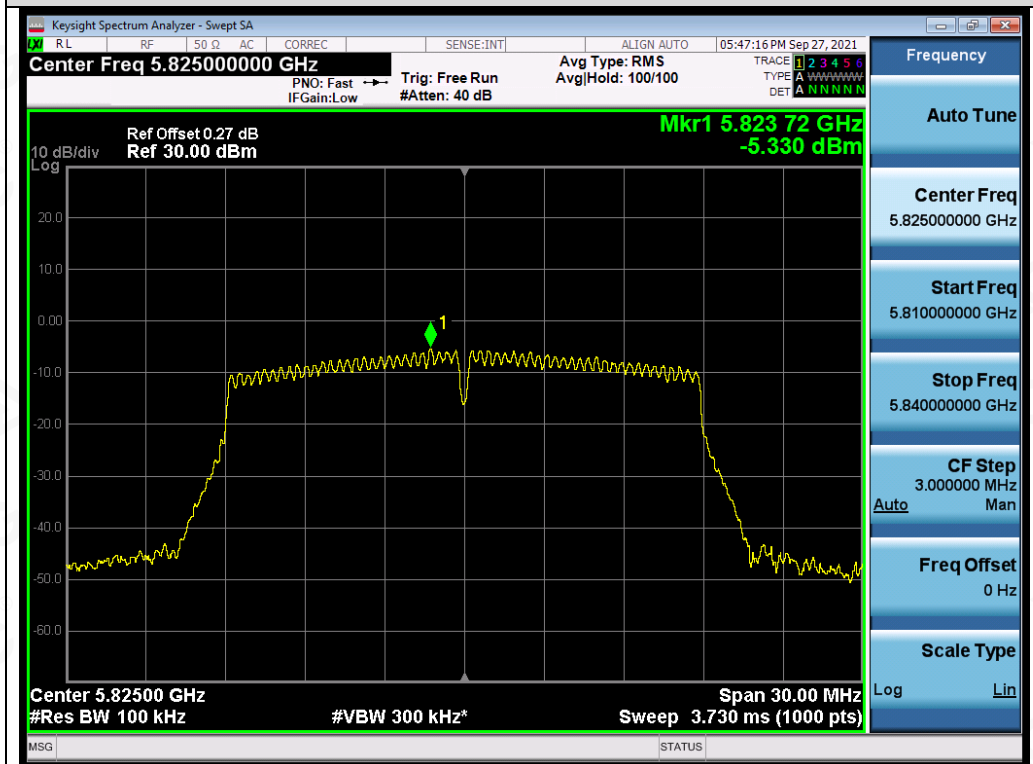
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Test_Graph_802.11n20_ANT2_5785_MCS0_PSD

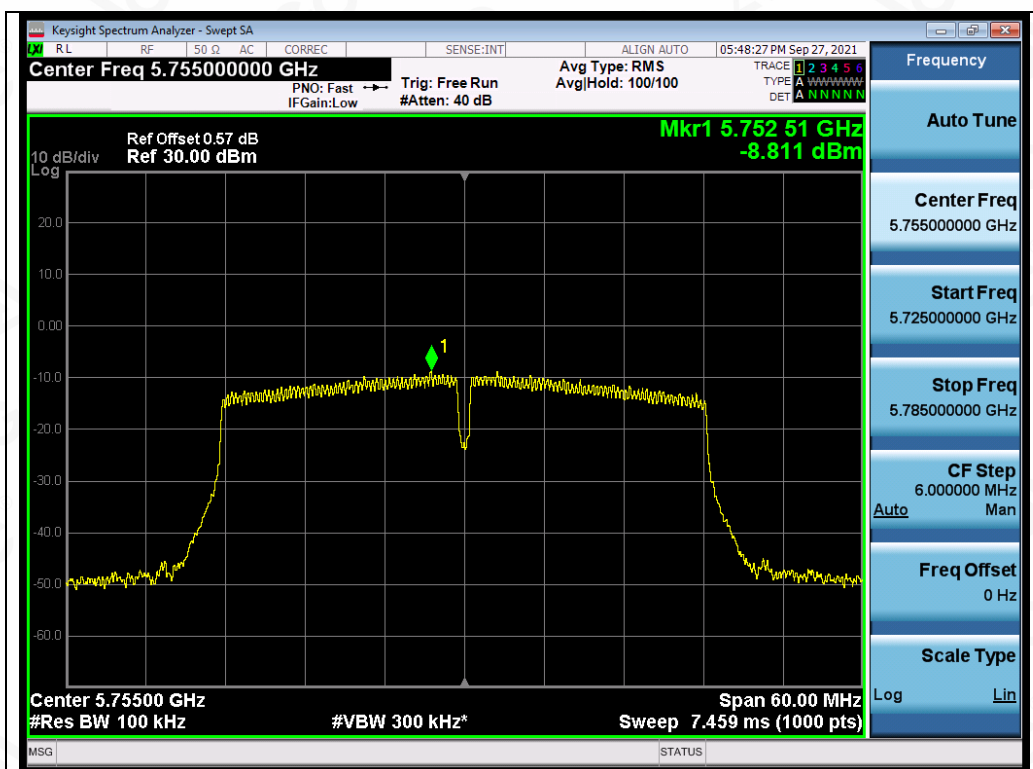


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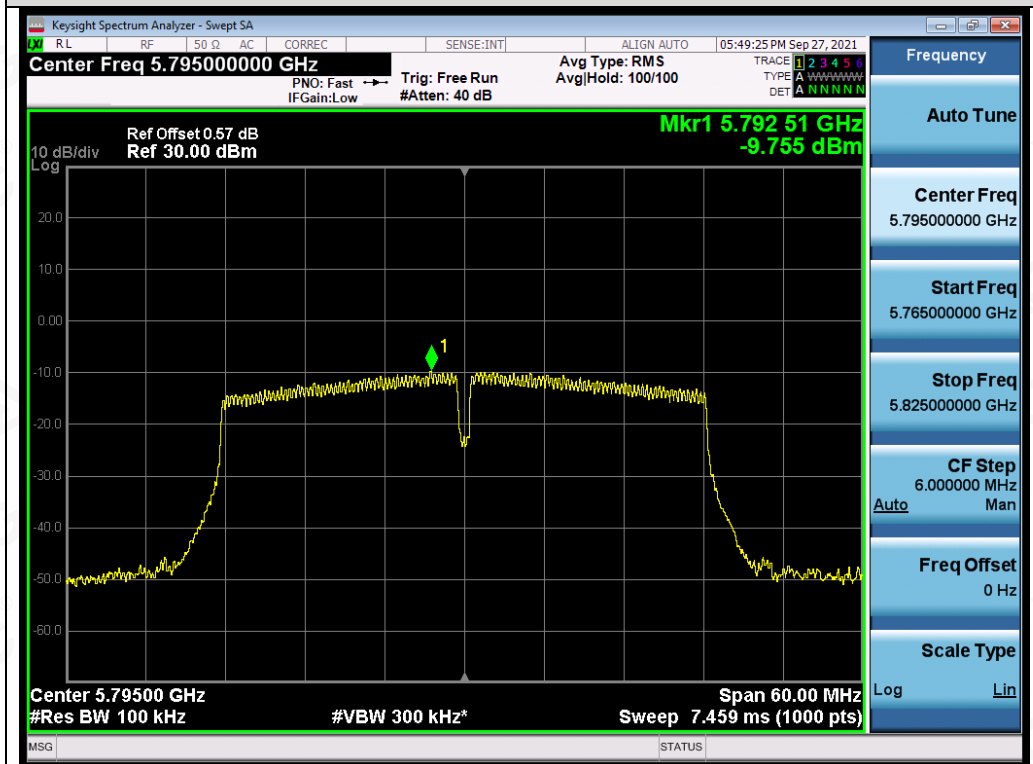
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Test_Graph_802.11n40_ANT2_5755_MCS0_PSD



Test_Graph_802.11n40_ANT2_5795_MCS0_PSD

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10. CONDUCTED SPURIOUS EMISSION

10.1. MEASUREMENT PROCEDURE

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 SPA Trace 1 Max hold, then View.

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

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

The same as described in section 8.2.

10.3. MEASUREMENT EQUIPMENT USED

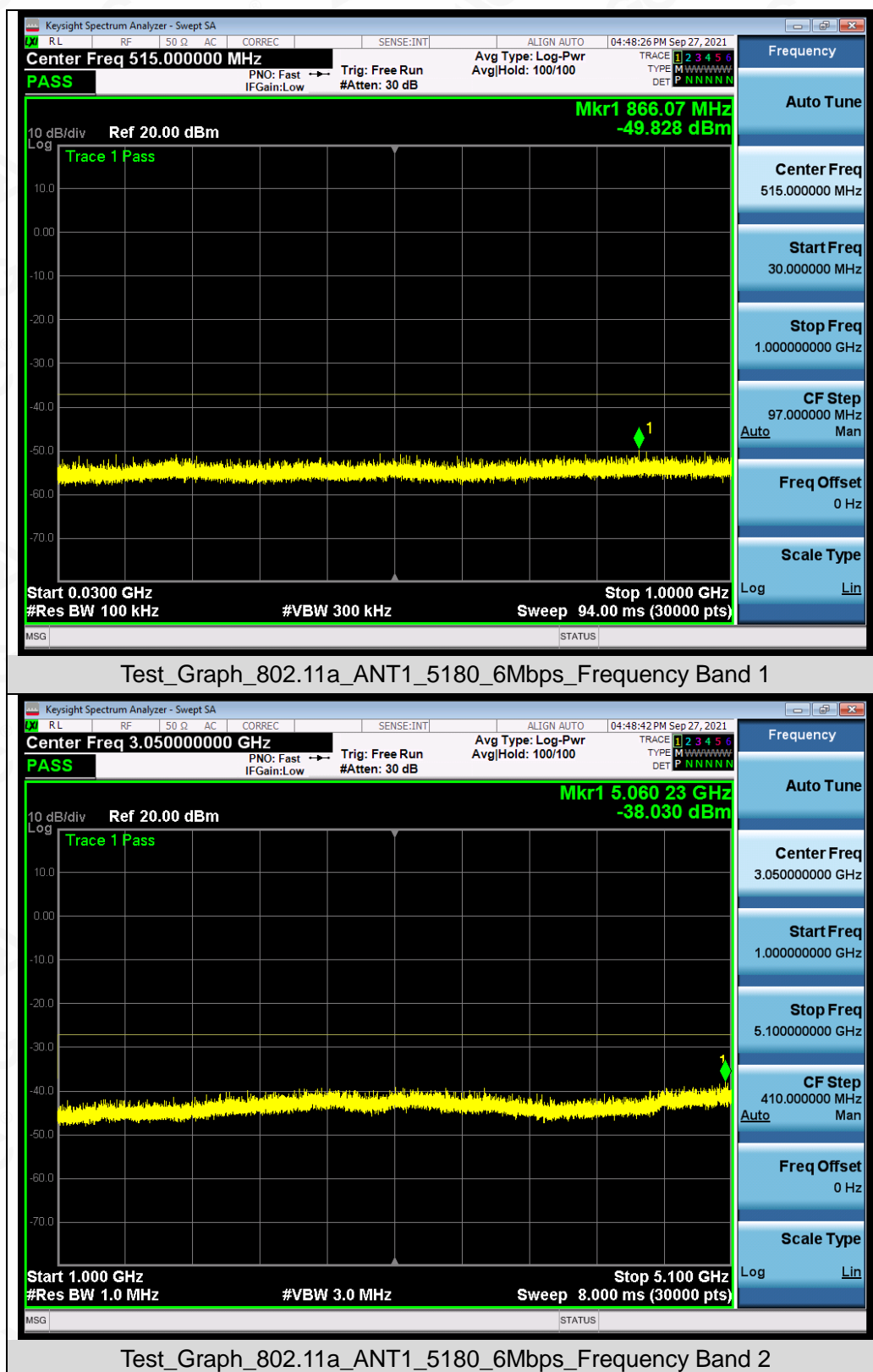
The same as described in section 6.

10.4. LIMITS AND MEASUREMENT RESULT

LIMITS AND MEASUREMENT RESULT		
Applicable Limits	Measurement Result	
	Test channel	Criteria
-27dBm/MHz	5150MHz-5250MHz	PASS
All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.	5725MHz-5850MHz	PASS

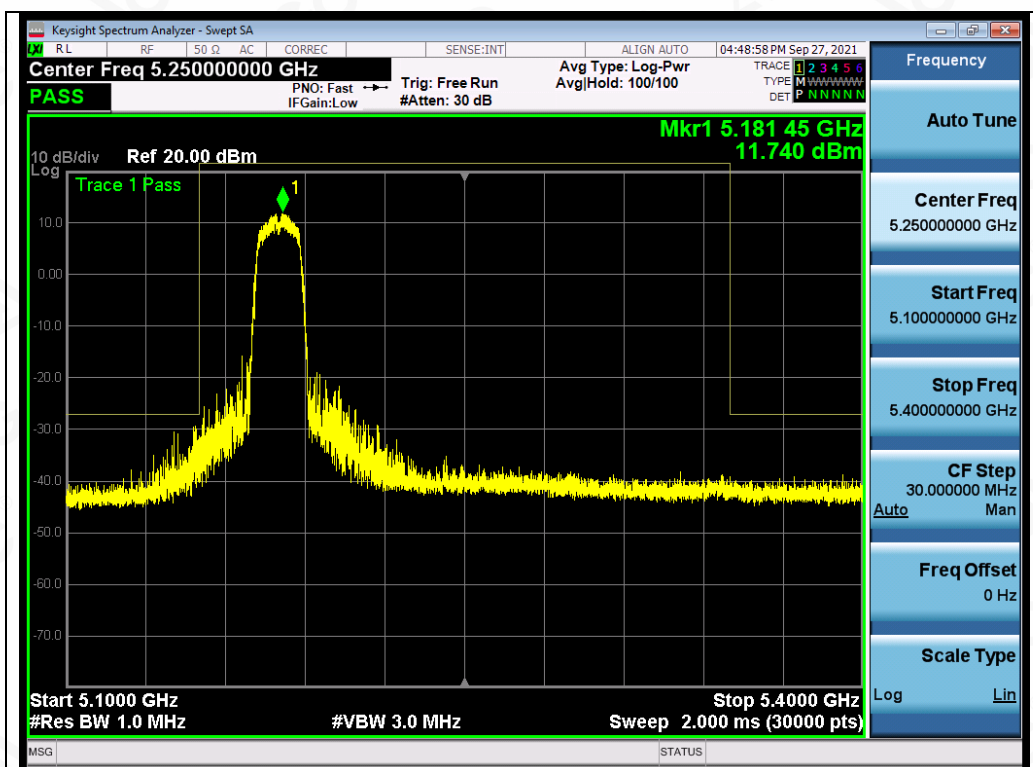
Note: All the 20MHz bandwidth modulation had been tested, the 802.11a20 was the worst case and record in his test report. All the 40MHz bandwidth modulation had been tested, the 802.11N40 was the worst case and record in his test report. All the 80MHz bandwidth modulation had been tested, the 802.11AC80 was the worst case and record in his test report.

Test Graphs of Spurious Emissions outside of the 5.15-5.35 GHz band for transmitters operating in the 5.15-5.25 GHz band



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Test_Graph_802.11a_ANT1_5180_6Mbps_Frequency Band 3



Test_Graph_802.11a_ANT1_5180_6Mbps_Frequency Band 4

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