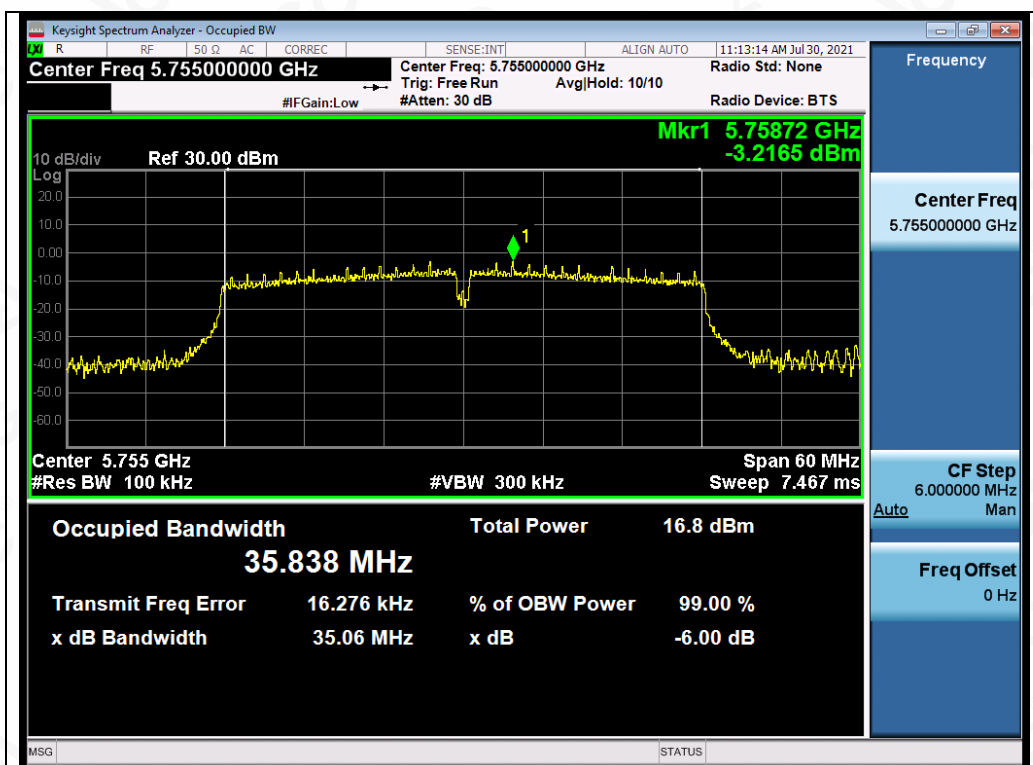
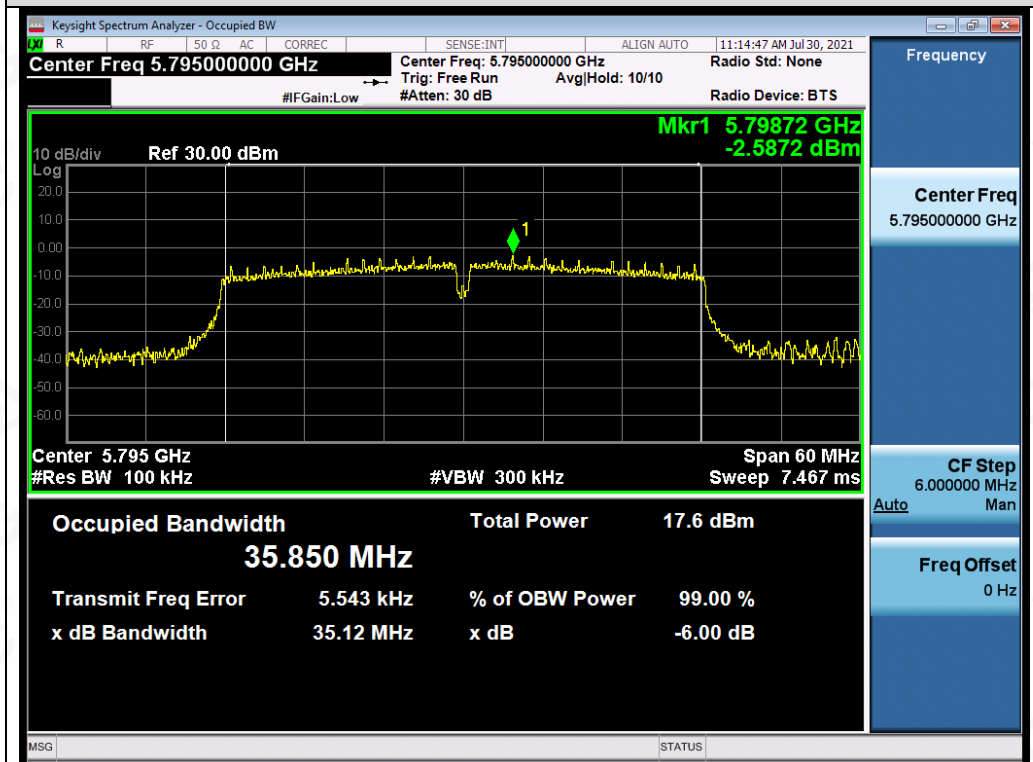




Test_Graph_802.11n40_ANT1_5755_MCS0_DTSBW



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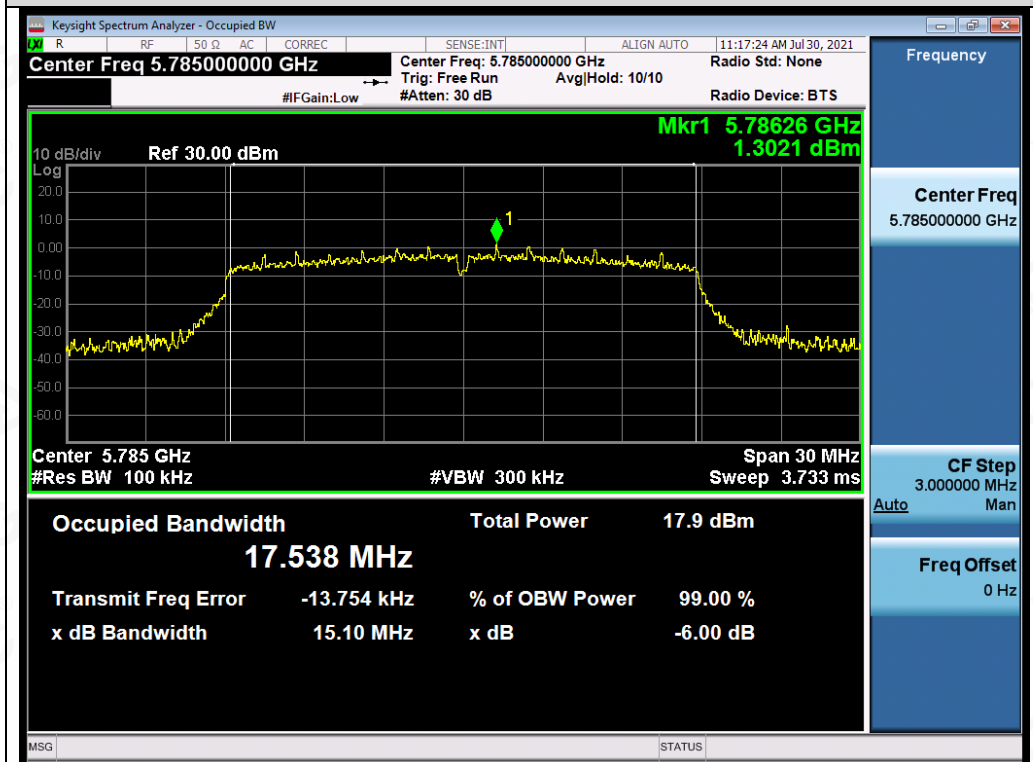
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Test_Graph_802.11ac20_ANT1_5745_MCS0_DTSBW



Test_Graph_802.11ac20_ANT1_5785_MCS0_DTSBW

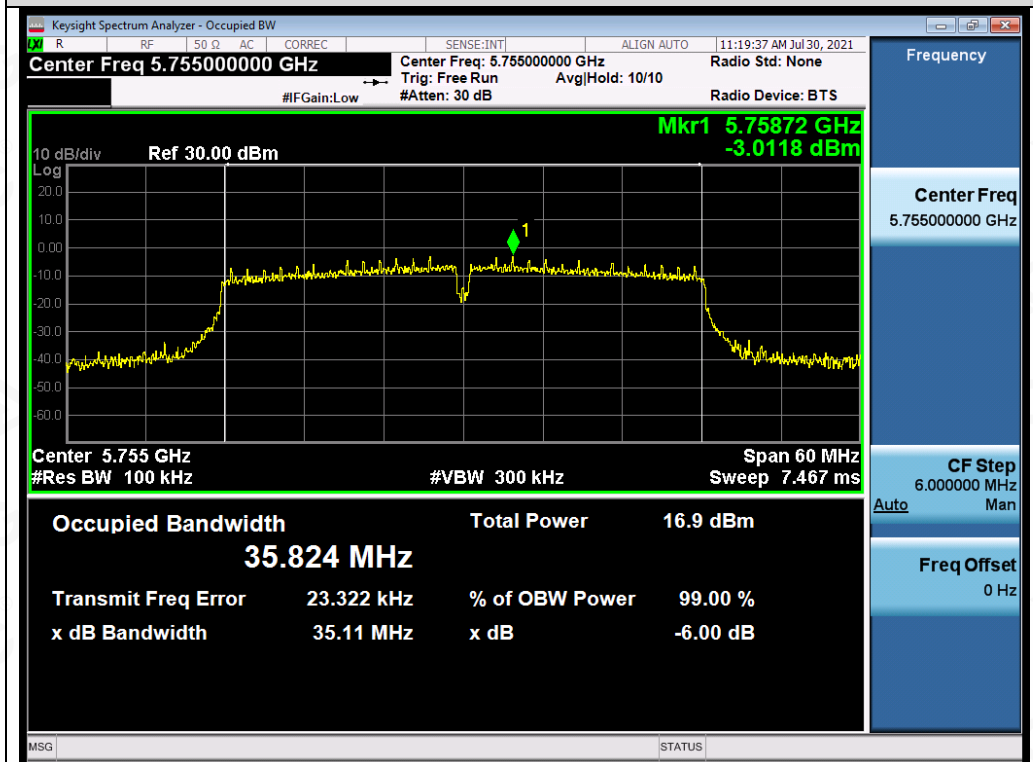
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Test_Graph_802.11ac20_ANT1_5825_MCS9_DTSBW

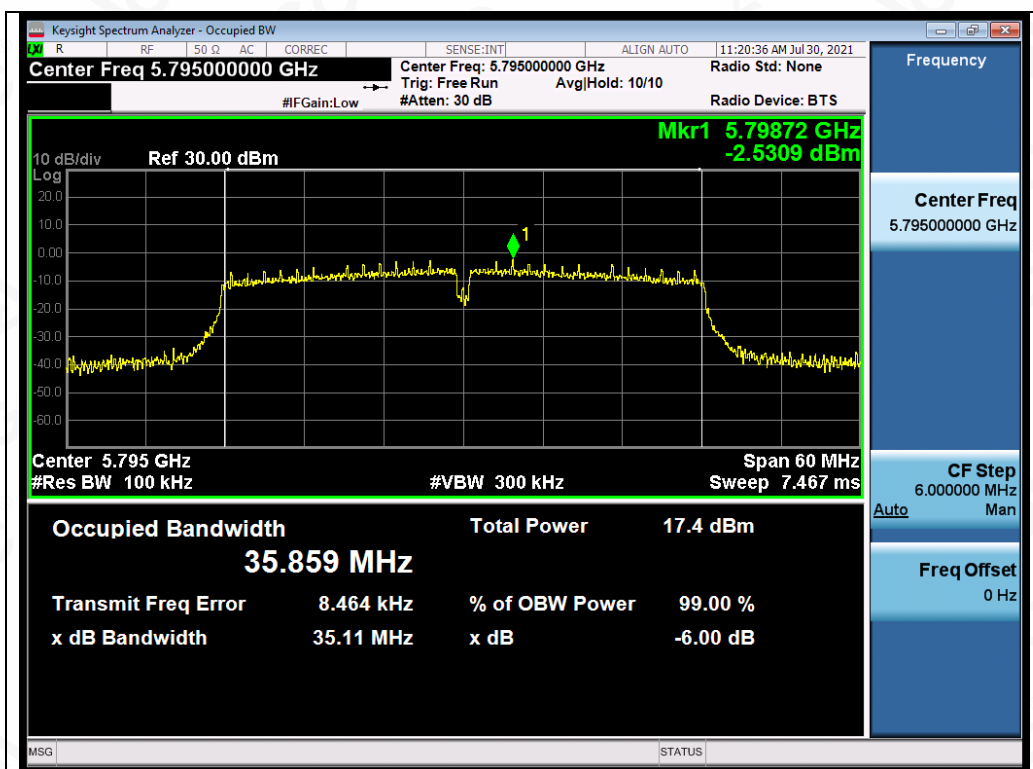


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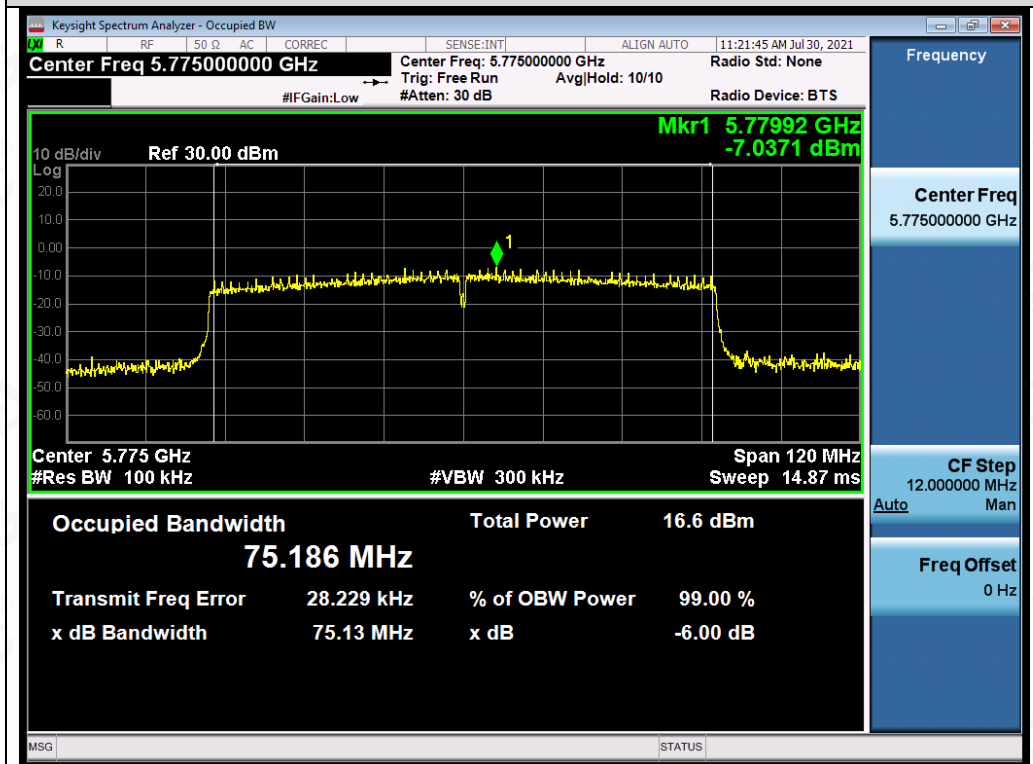
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Test_Graph_802.11ac40_ANT1_5795_MCS9_DTSBW



Test_Graph_802.11ac80_ANT1_5775_MCS9_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				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5180	1.981	11	Pass
	5200	1.766	11	Pass
	5240	2.399	11	Pass
802.11n20	5180	1.549	11	Pass
	5200	1.769	11	Pass
	5240	2.502	11	Pass
802.11n40	5190	-0.947	11	Pass
	5230	-0.543	11	Pass
802.11ac20	5180	1.687	11	Pass
	5200	1.725	11	Pass
	5240	2.426	11	Pass
802.11ac40	5190	-0.951	11	Pass
	5230	-0.595	11	Pass
802.11ac80	5210	-3.683	11	Pass

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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	3.017	11	Pass
	5300	3.183	11	Pass
	5320	3.544	11	Pass
802.11n20	5260	1.758	11	Pass
	5300	3.027	11	Pass
	5320	3.144	11	Pass
802.11n40	5270	-0.731	11	Pass
	5310	0.325	11	Pass
802.11ac20	5260	1.718	11	Pass
	5300	2.837	11	Pass
	5320	3.282	11	Pass
802.11ac40	5270	-1.002	11	Pass
	5310	0.246	11	Pass
802.11ac80	5290	-3.058	11	Pass

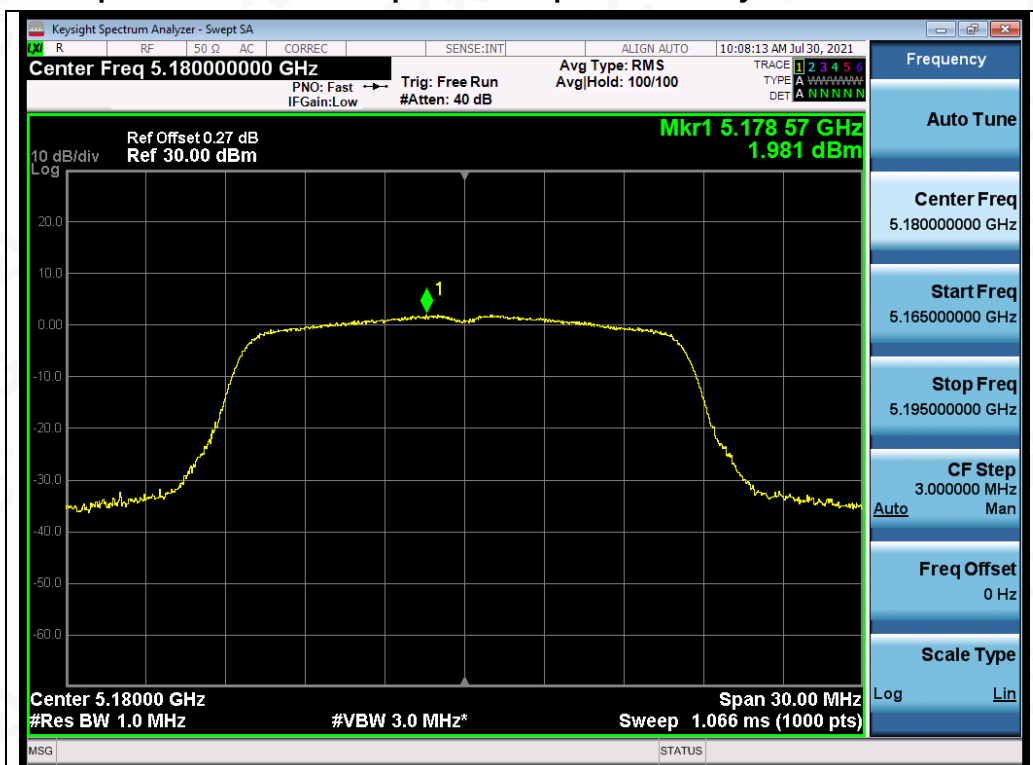
Test Data of Conducted Output Power Density for band 5.725-5.85 GHz				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
802.11a	5745	-0.038	30	Pass
	5785	0.220	30	Pass
	5825	1.156	30	Pass
802.11n20	5745	-0.070	30	Pass
	5785	0.142	30	Pass
	5825	0.555	30	Pass
802.11n40	5755	-3.499	30	Pass
	5795	-2.653	30	Pass
802.11ac20	5745	-0.535	30	Pass
	5785	0.074	30	Pass
	5825	0.717	30	Pass
802.11ac40	5755	-3.341	30	Pass
	5795	-2.861	30	Pass
802.11ac80	5775	-5.540	30	Pass

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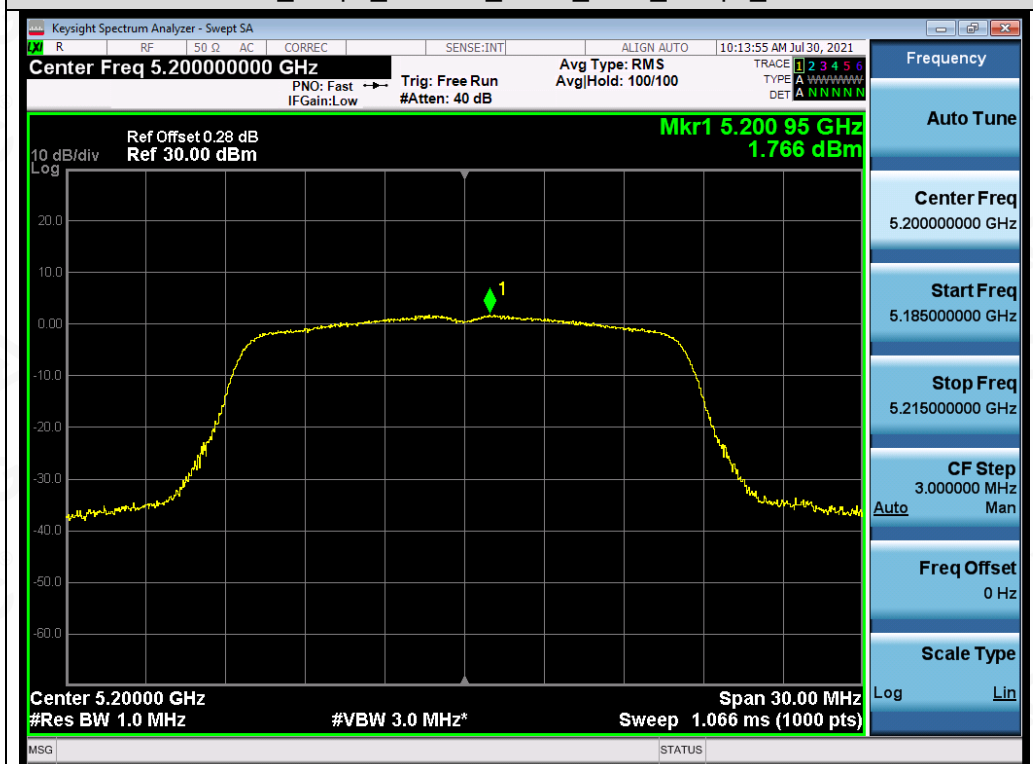
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Test Graphs of Conducted Output Power Spectral Density for band 5.15-5.25 GHz



Test_Graph_802.11a_ANT1_5180_6Mbps_PSD

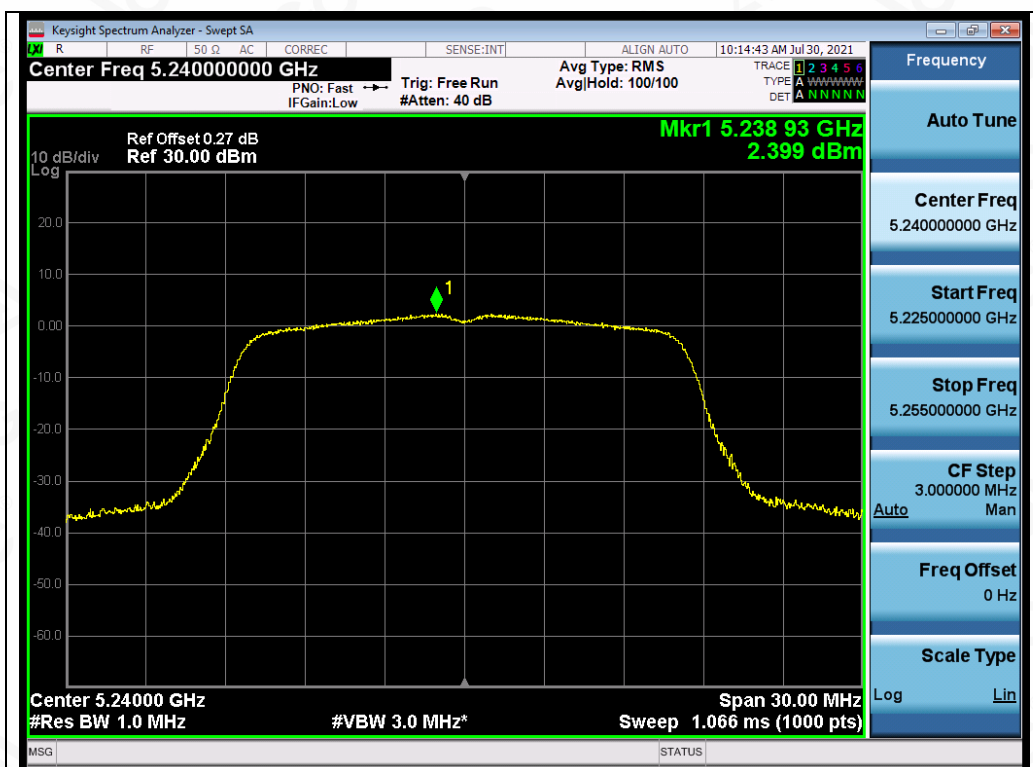


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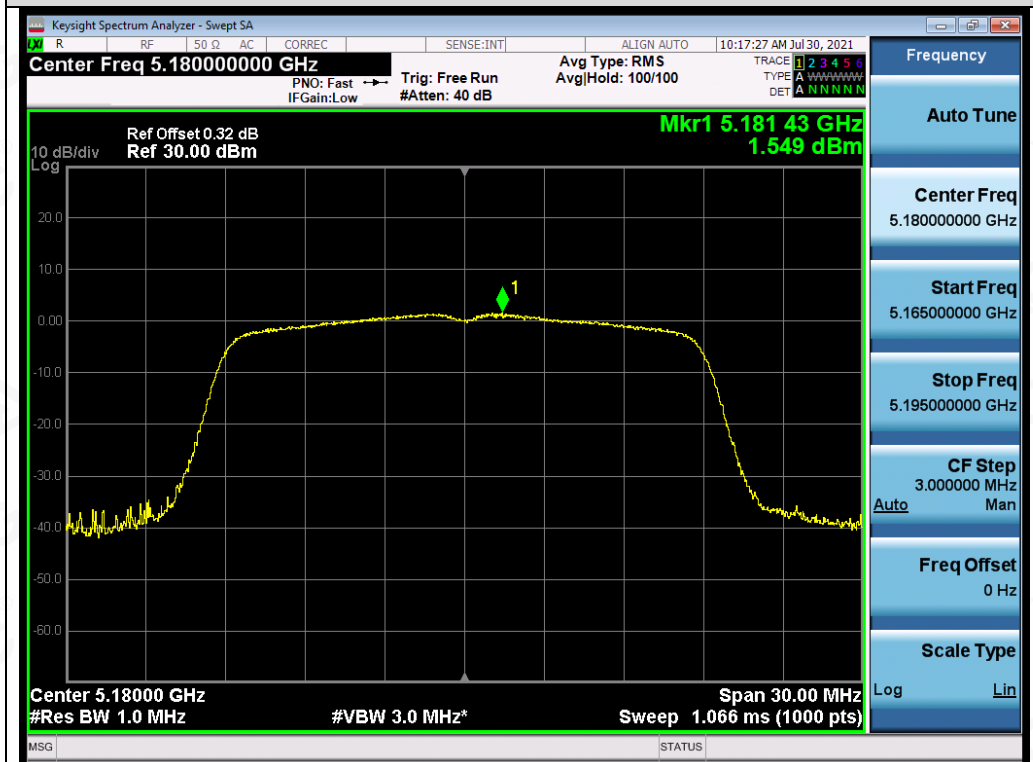
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Test_Graph_802.11a_ANT1_5240_6Mbps_PSD

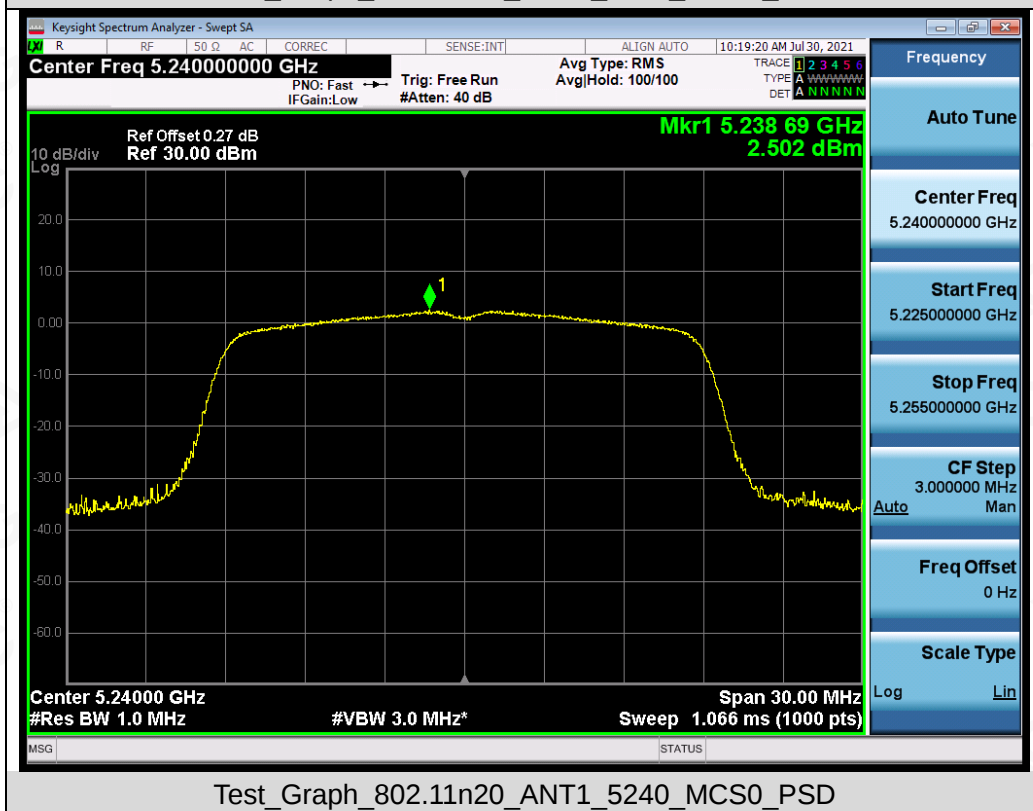
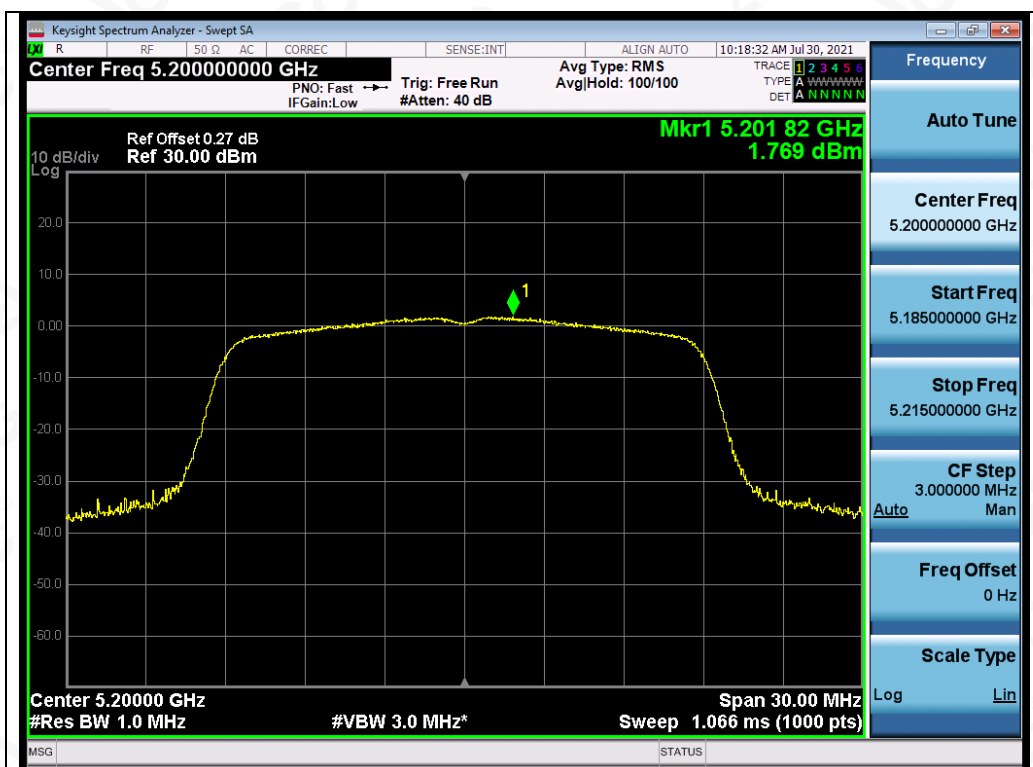


Test_Graph_802.11n20_ANT1_5180_MCS0_PSD

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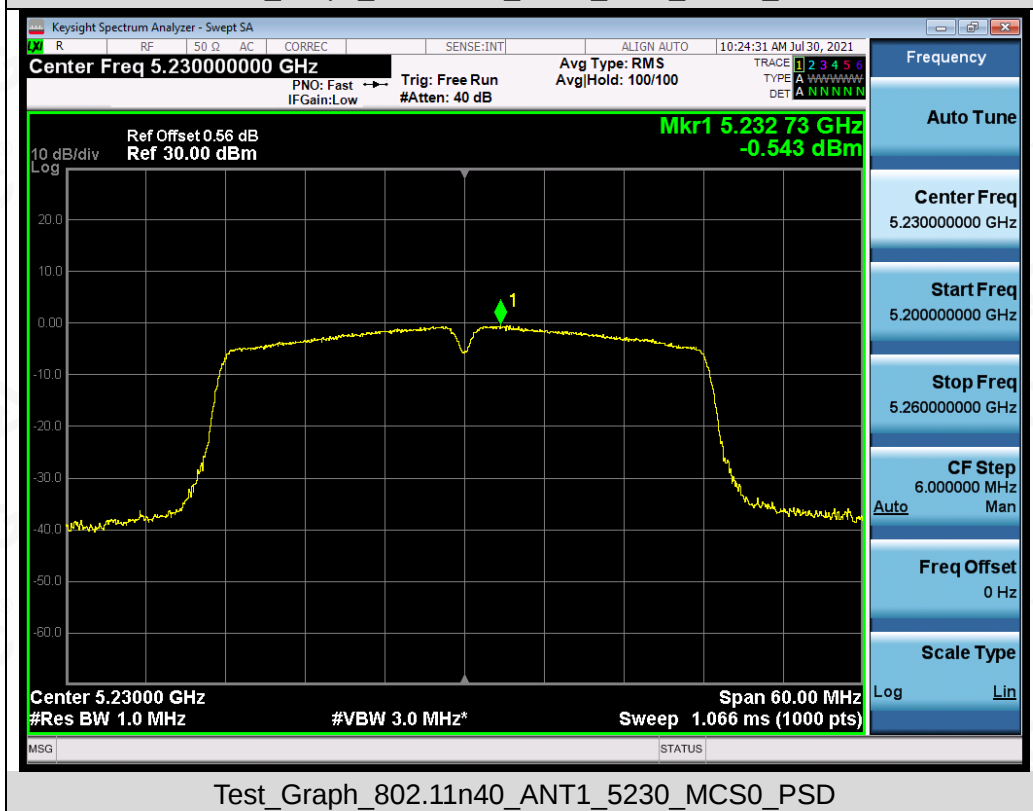
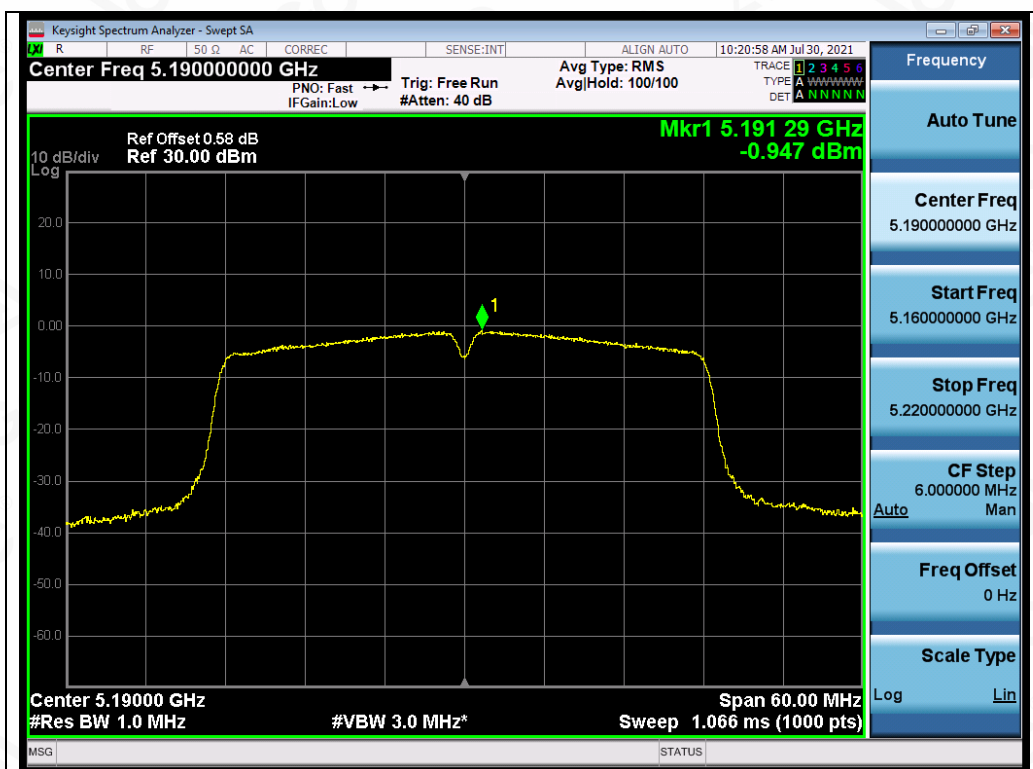




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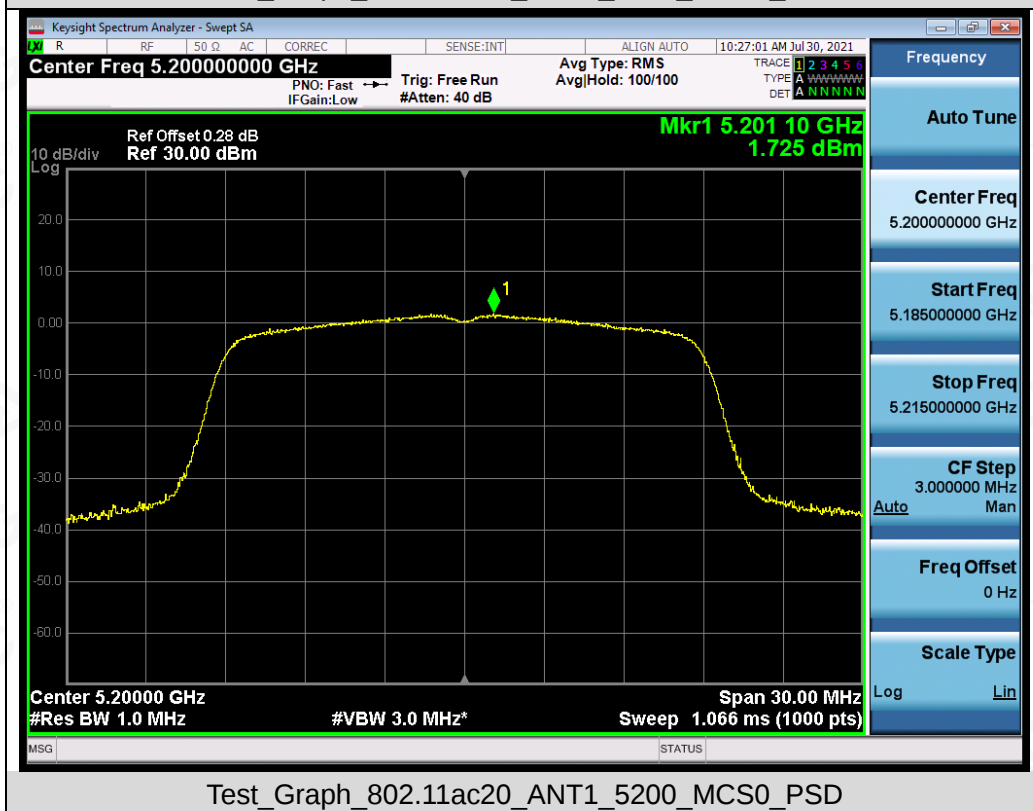
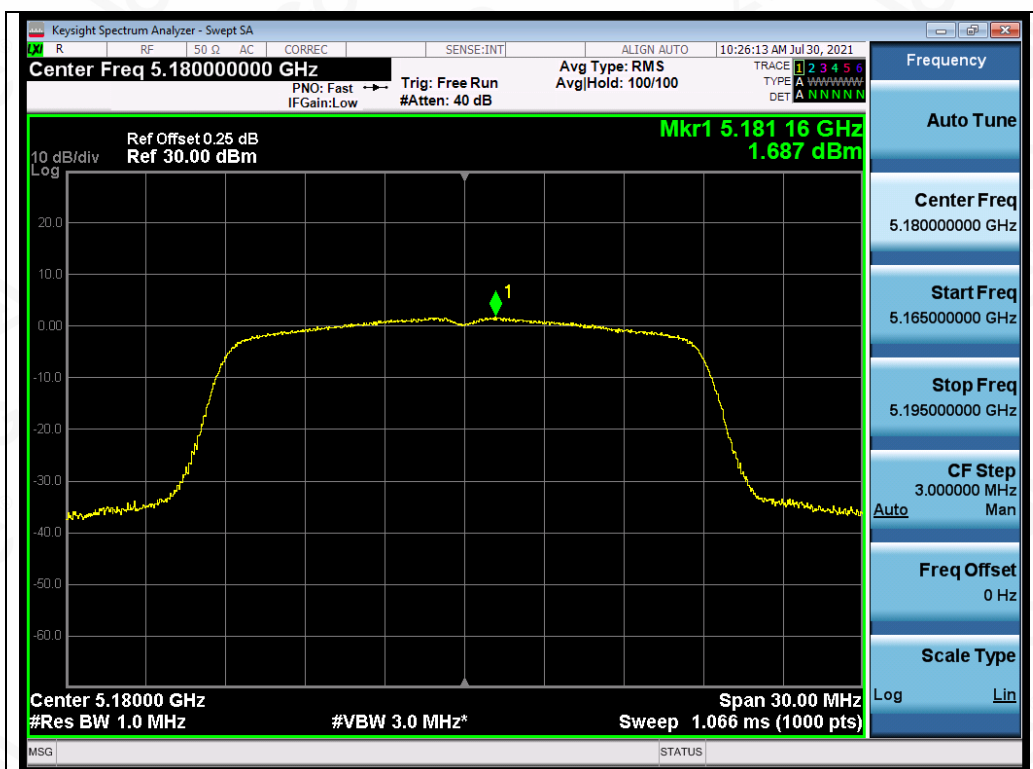




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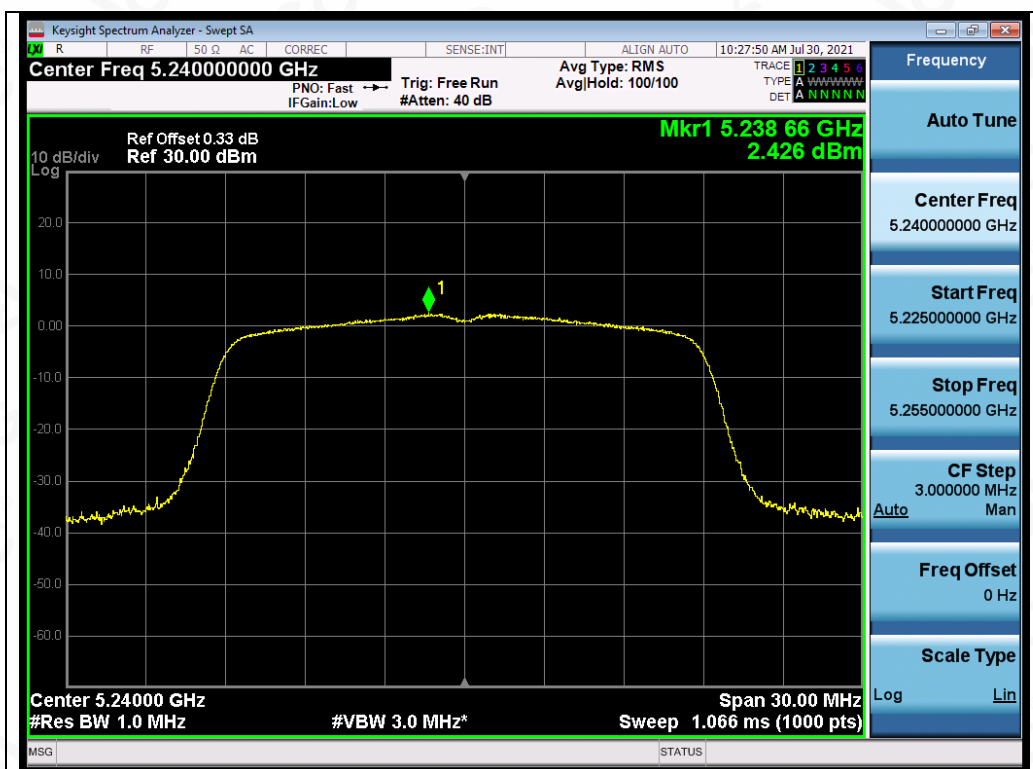




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Test_Graph_802.11ac20_ANT1_5240_MCS9_PSD

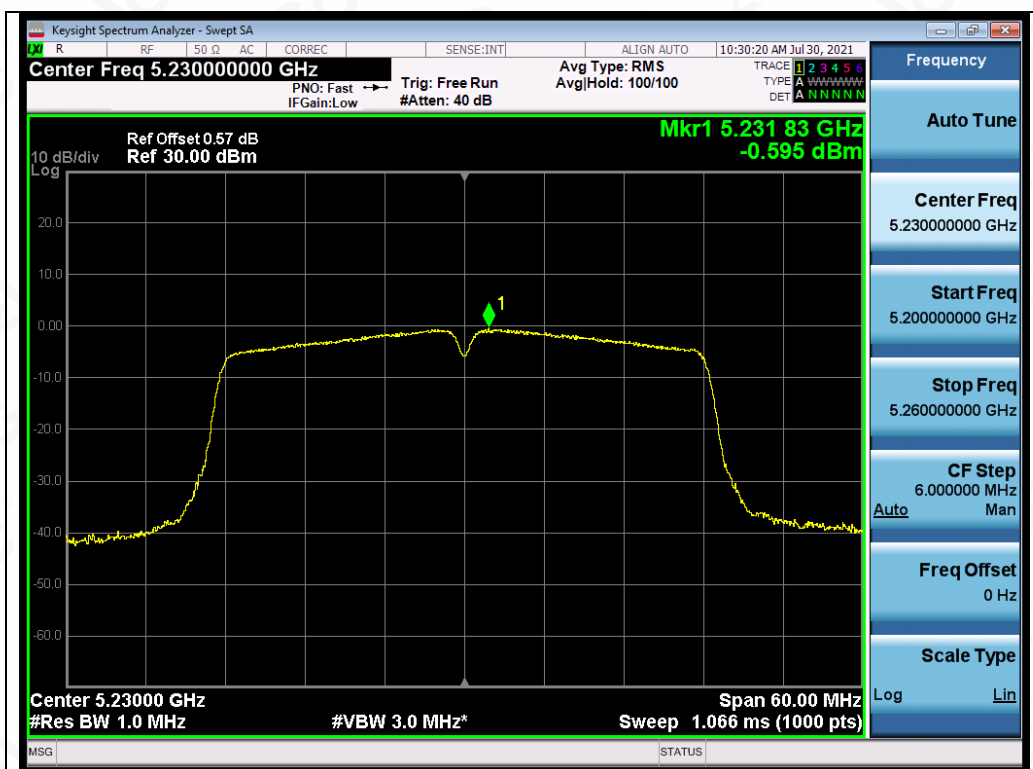


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Test_Graph_802.11ac40_ANT1_5230_MCS9_PSD



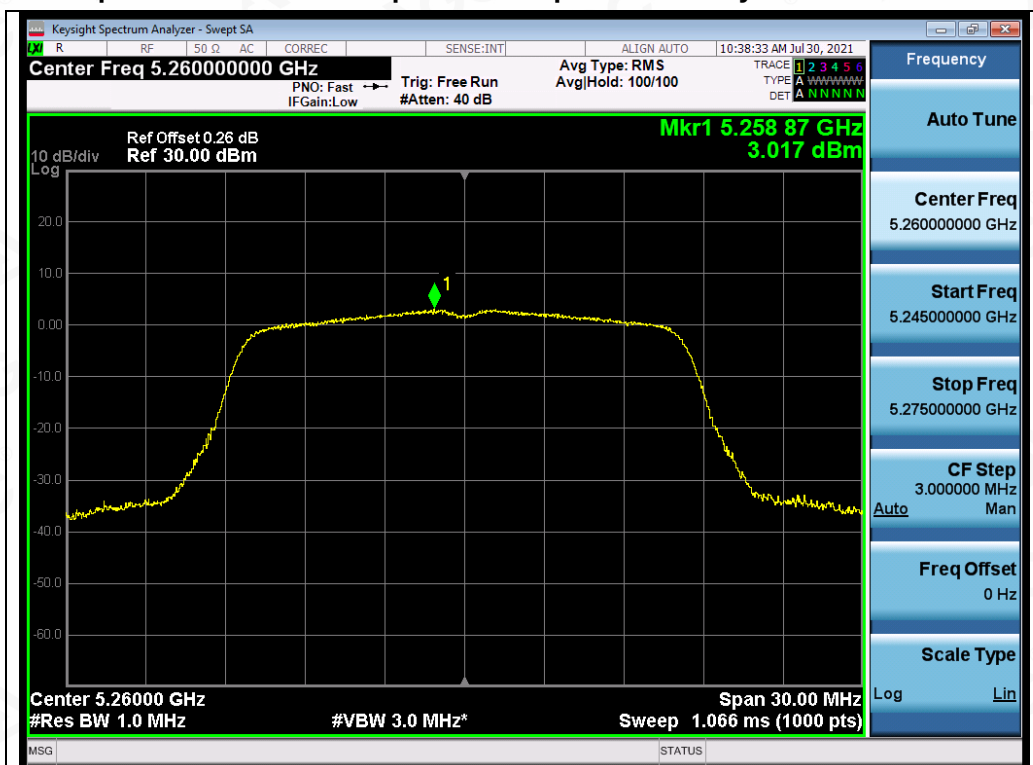
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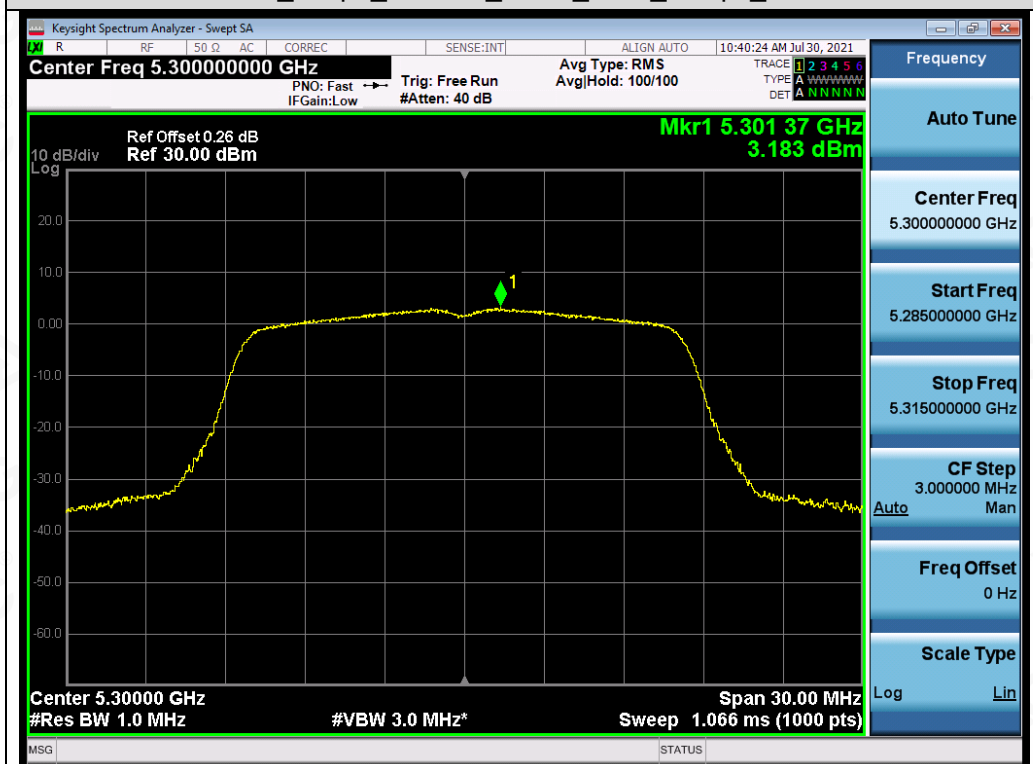
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Test Graphs of Conducted Output Power Spectral Density for band 5.25-5.35 GHz



Test_Graph_802.11a_ANT1_5260_6Mbps_PSD

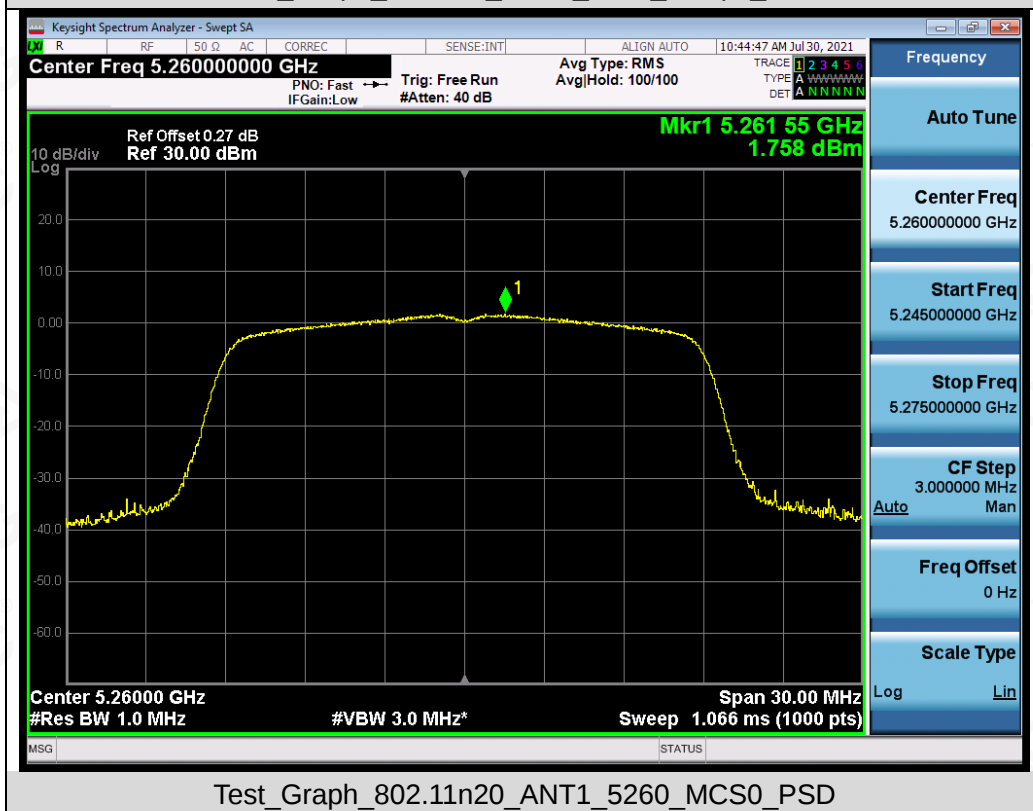


Test_Graph_802.11a_ANT1_5300_6Mbps_PSD

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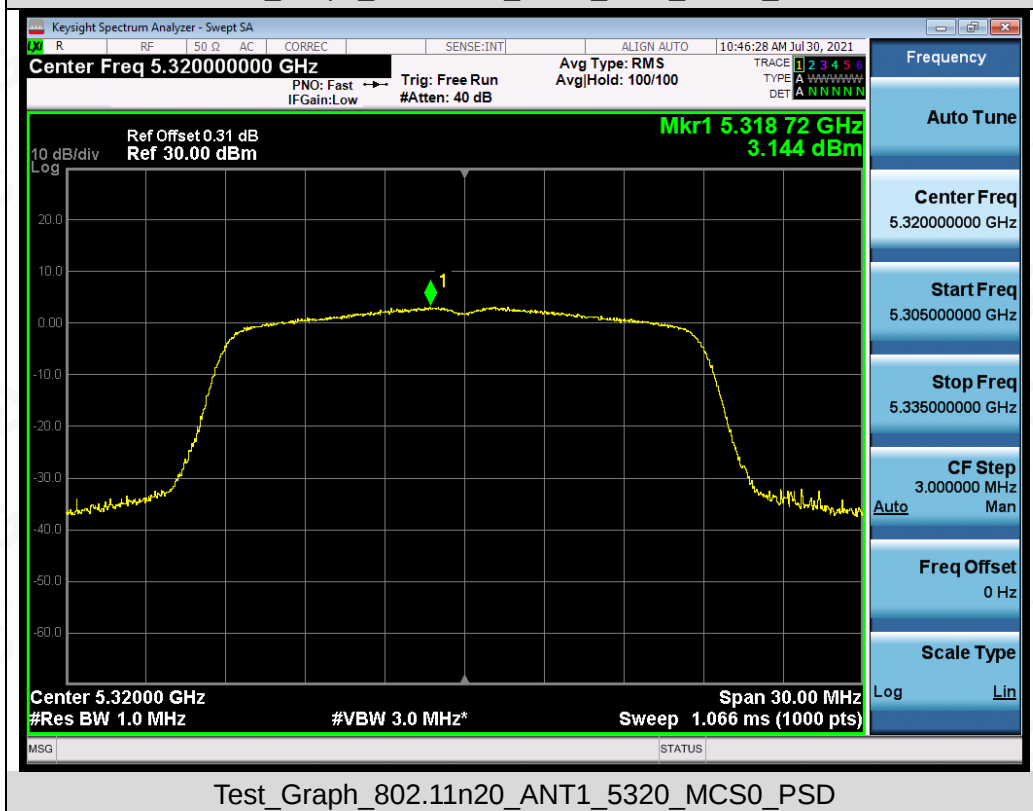




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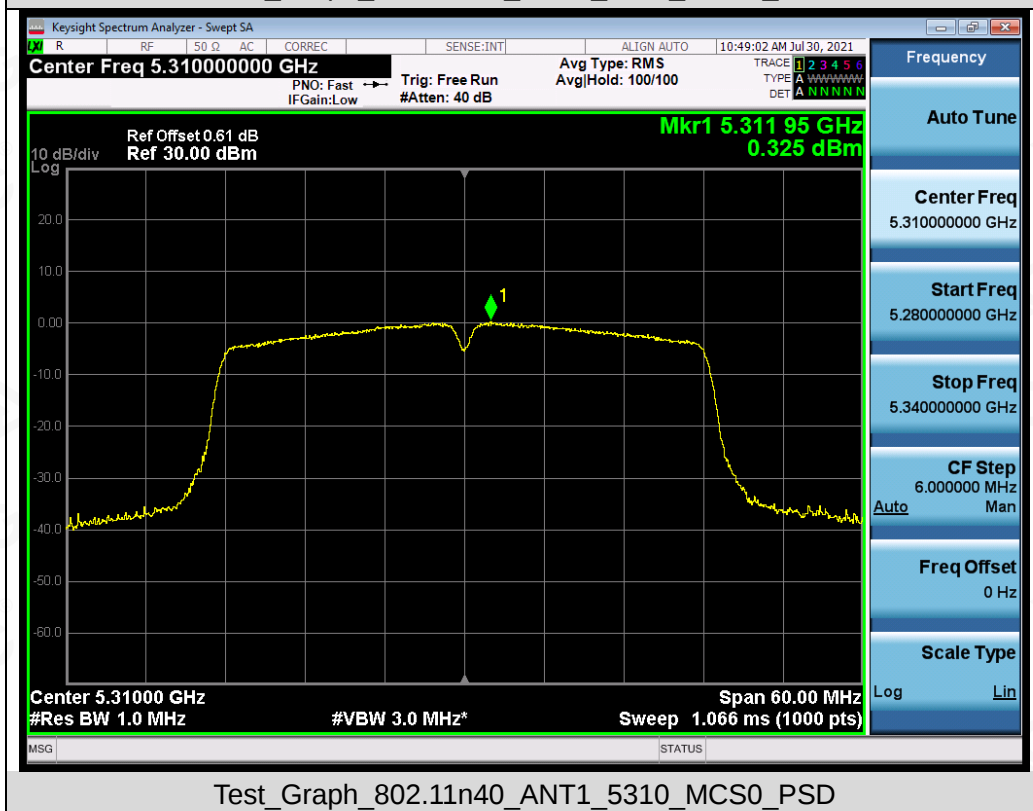
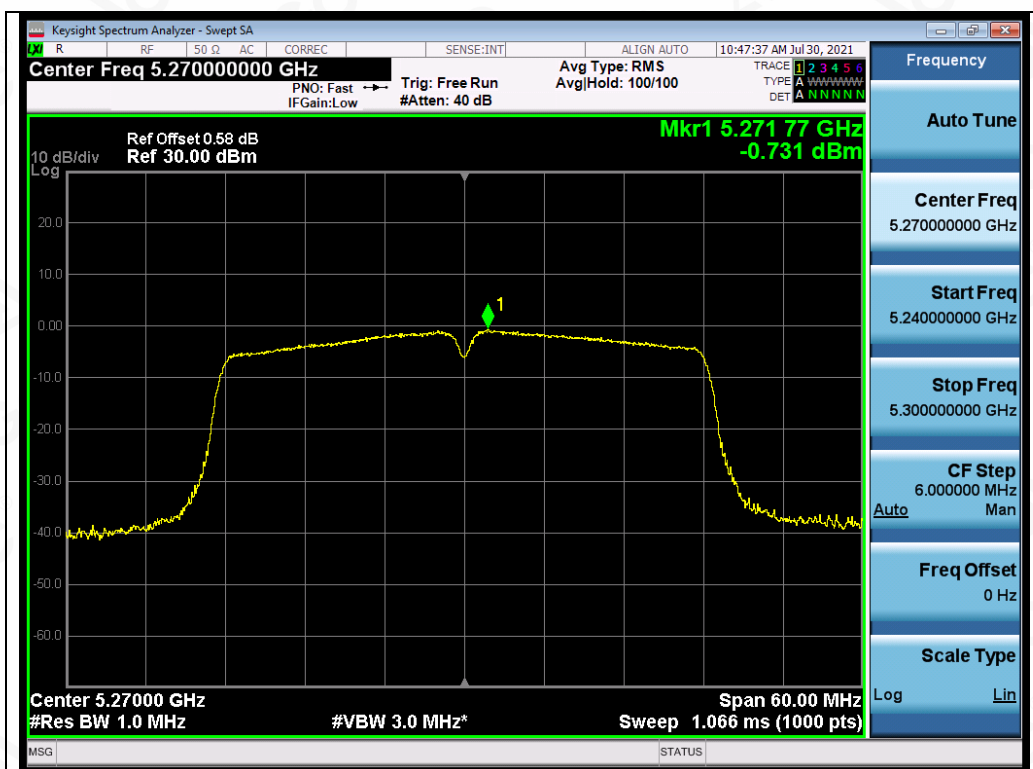




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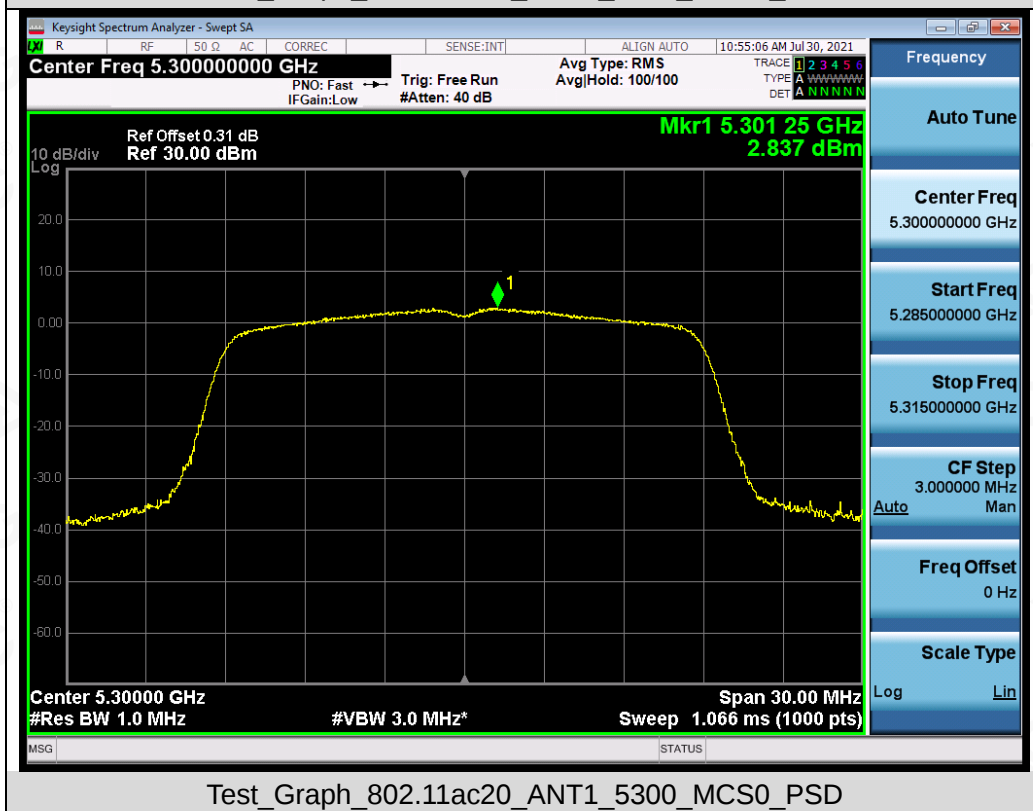




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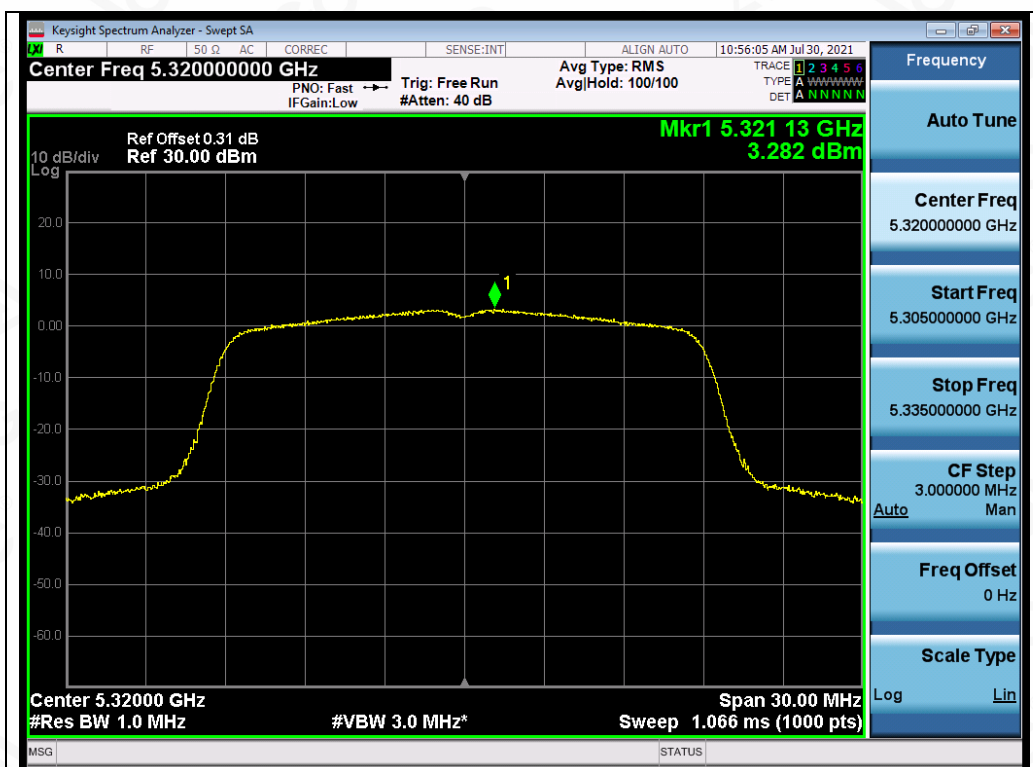




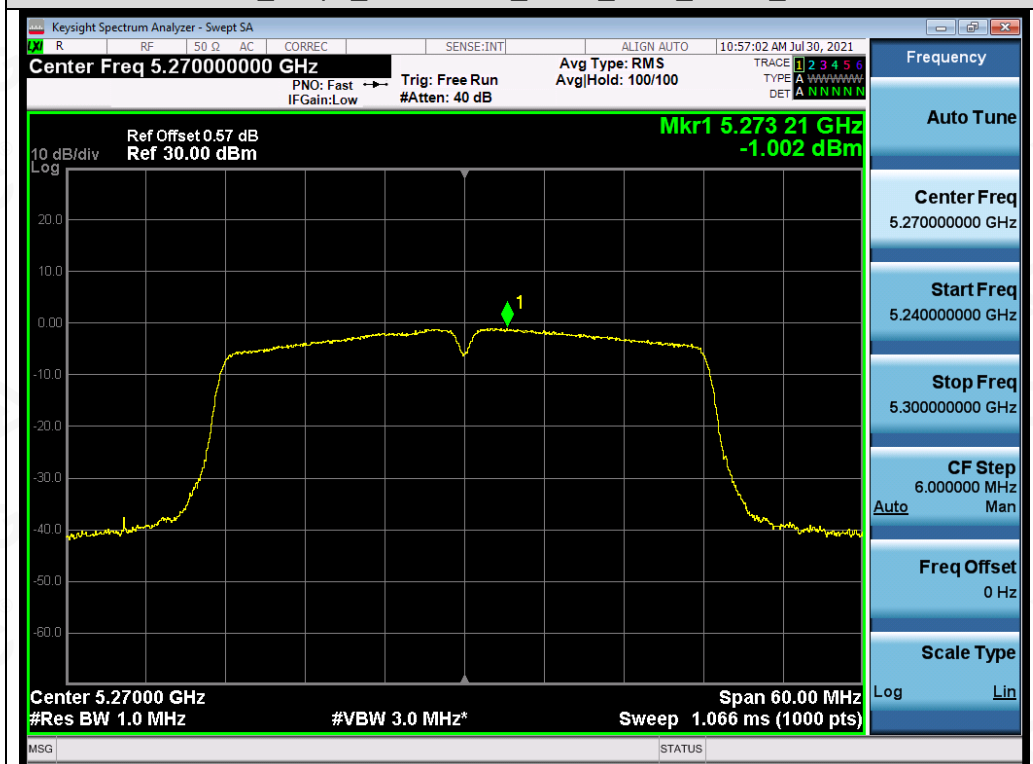
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Test_Graph_802.11ac20_ANT1_5320_MCS9_PSD

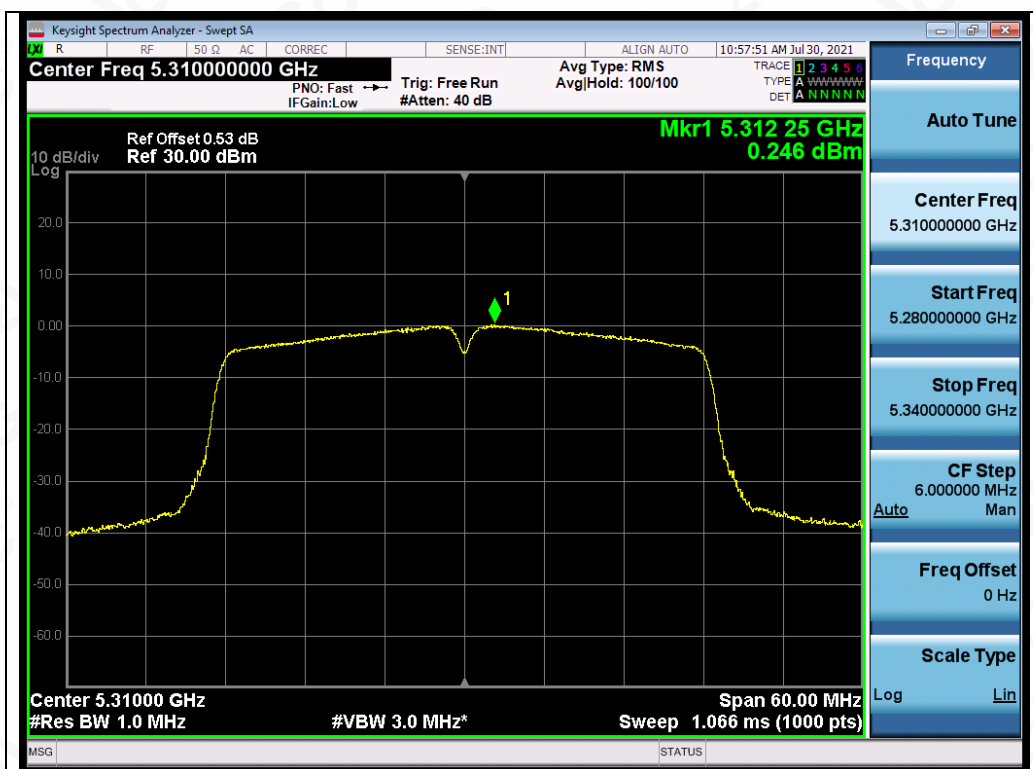


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Test_Graph_802.11ac40_ANT1_5310_MCS9_PSD



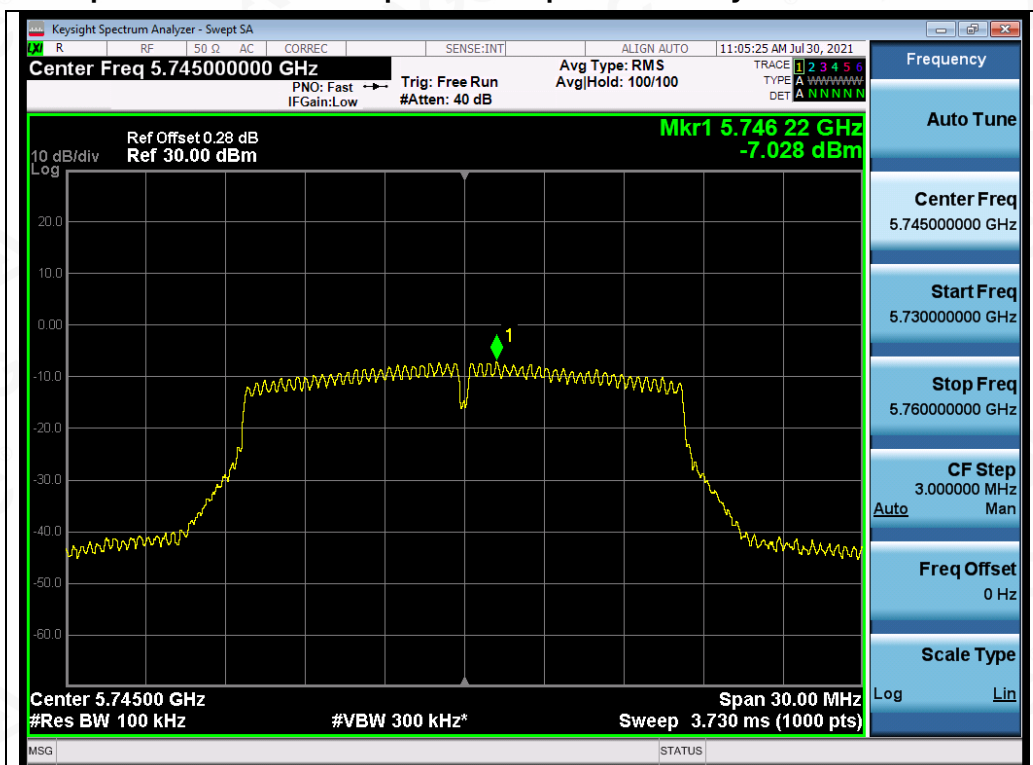
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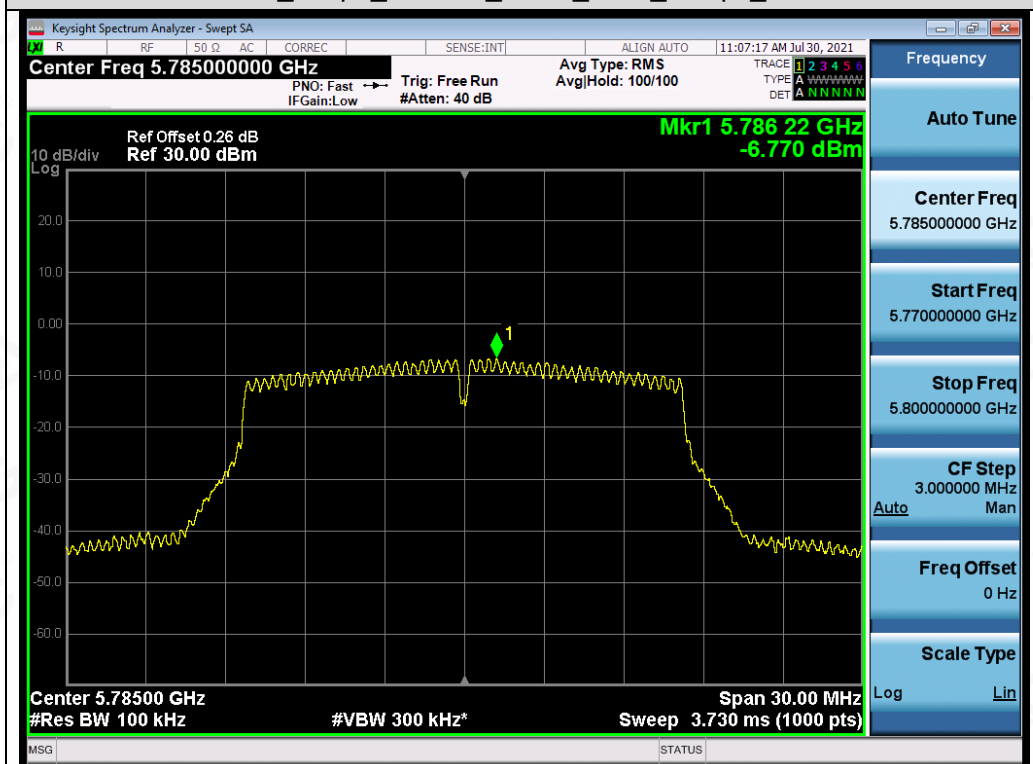
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Test Graphs of Conducted Output Power Spectral Density for band 5.725-5.85 GHz



Test_Graph_802.11a_ANT1_5745_6Mbps_PSD

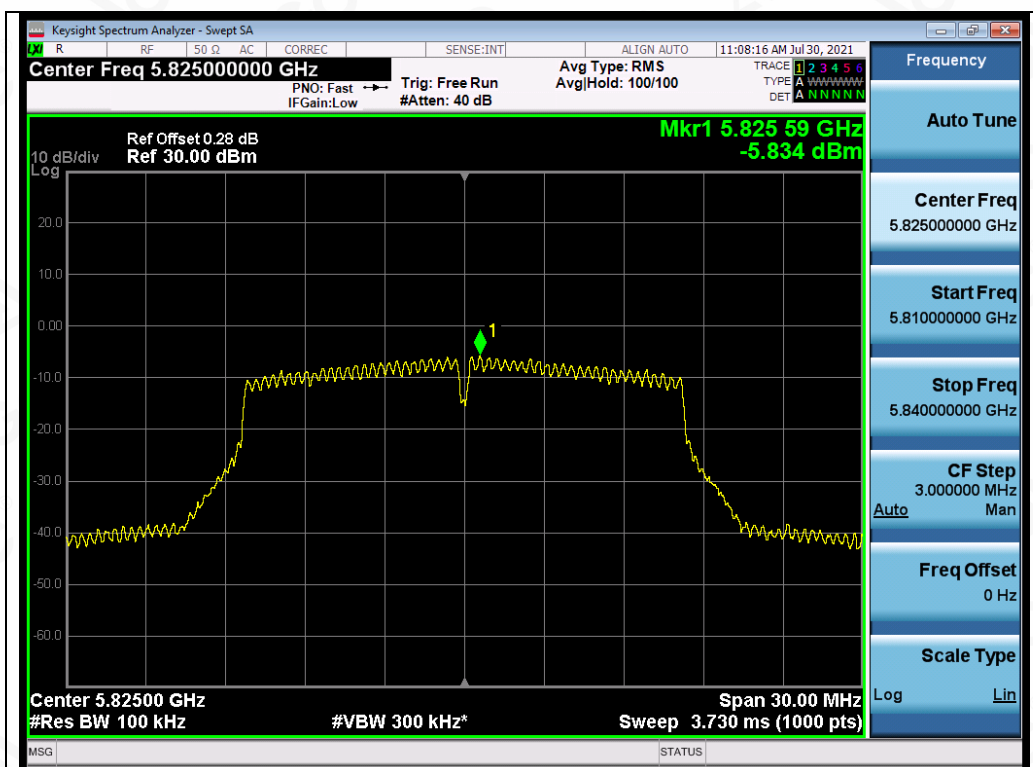


Test_Graph_802.11a_ANT1_5785_6Mbps_PSD

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Test_Graph_802.11a_ANT1_5825_6Mbps_PSD



Test_Graph_802.11n20_ANT1_5745_MCS0_PSD

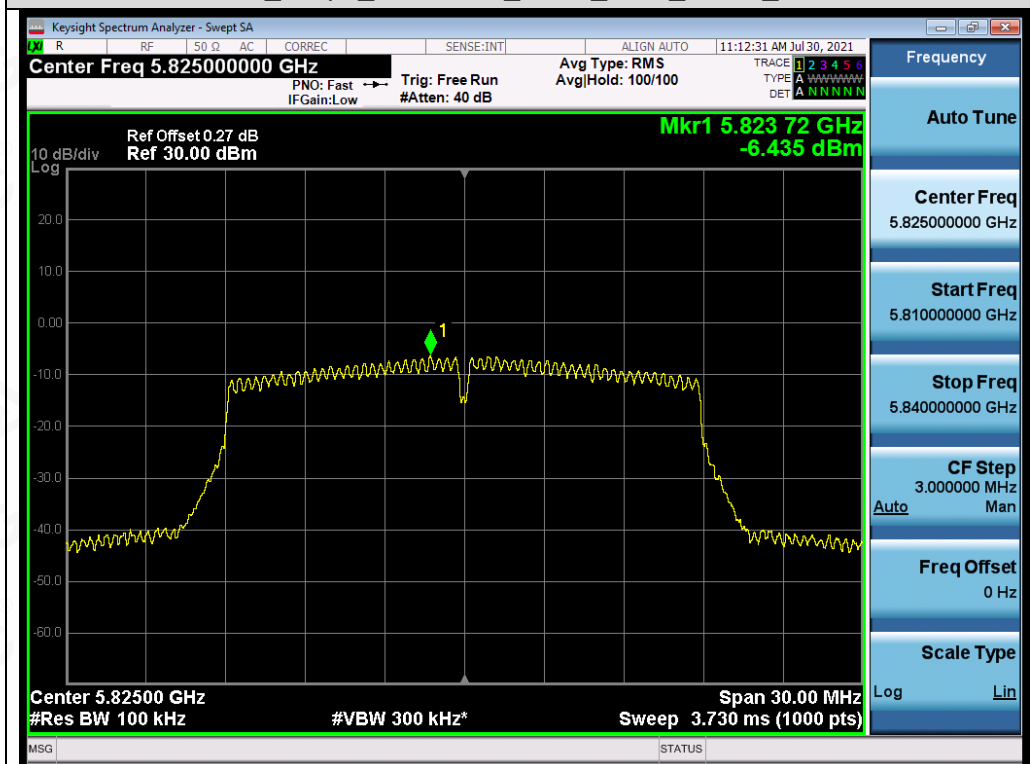
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Test_Graph_802.11n20_ANT1_5785_MCS0_PSD

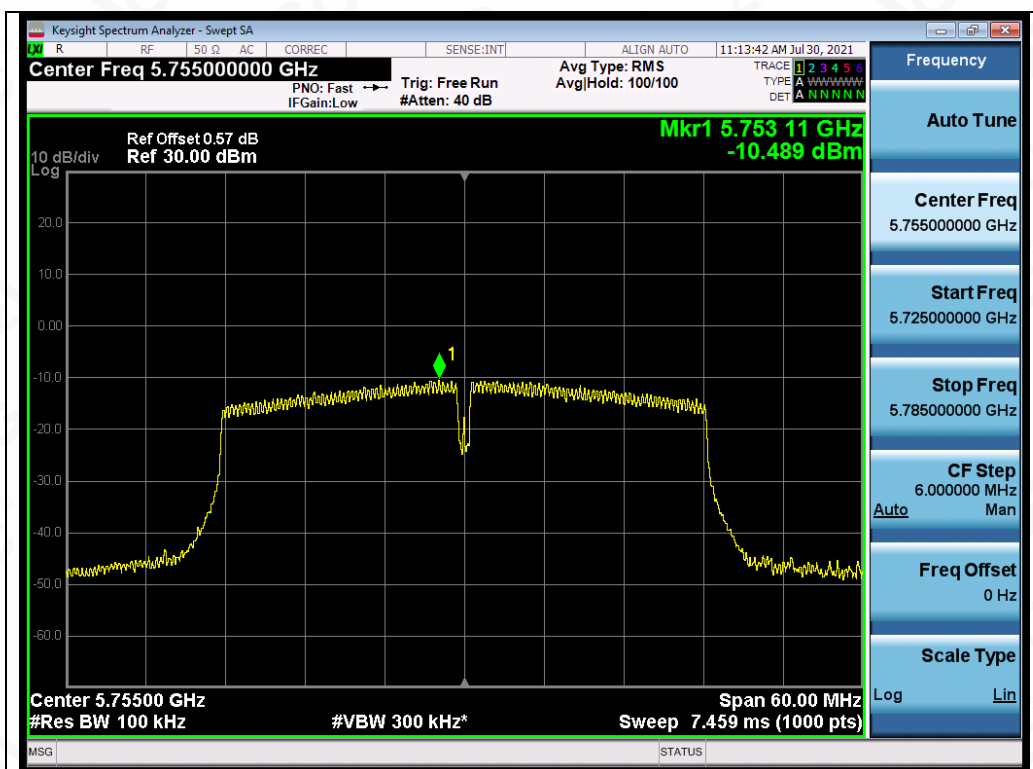


Test_Graph_802.11n20_ANT1_5825_MCS0_PSD

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Test_Graph_802.11n40_ANT1_5755_MCS0_PSD

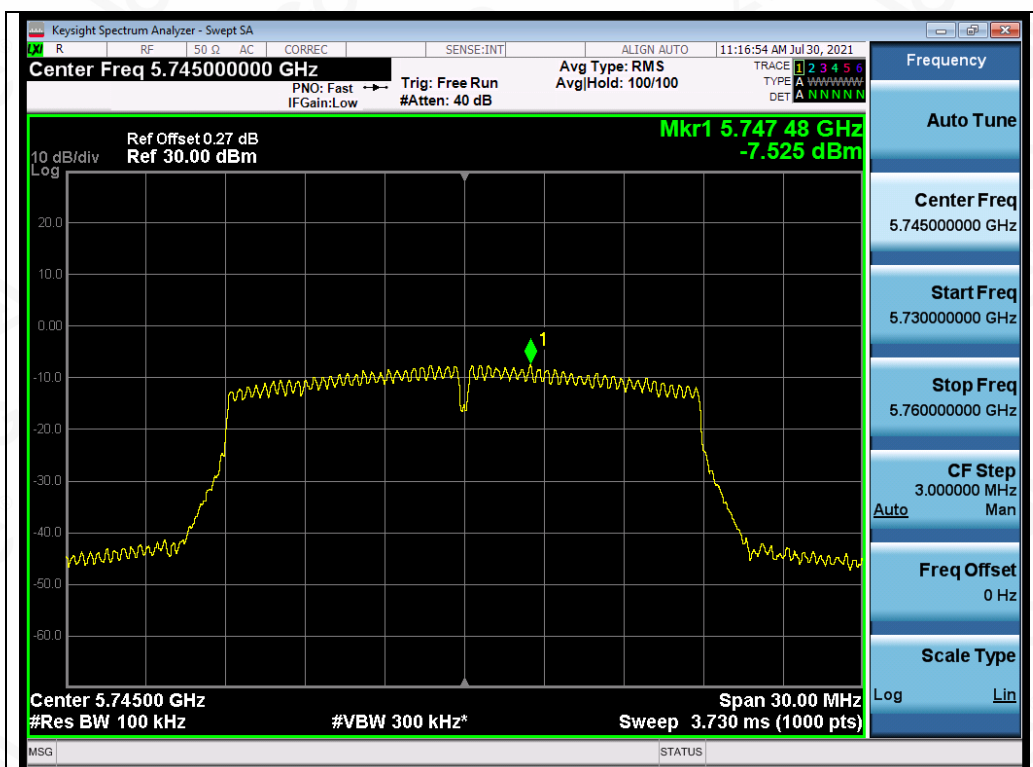


Test_Graph_802.11n40_ANT1_5795_MCS0_PSD

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Test_Graph_802.11ac20_ANT1_5745_MCS0_PSD

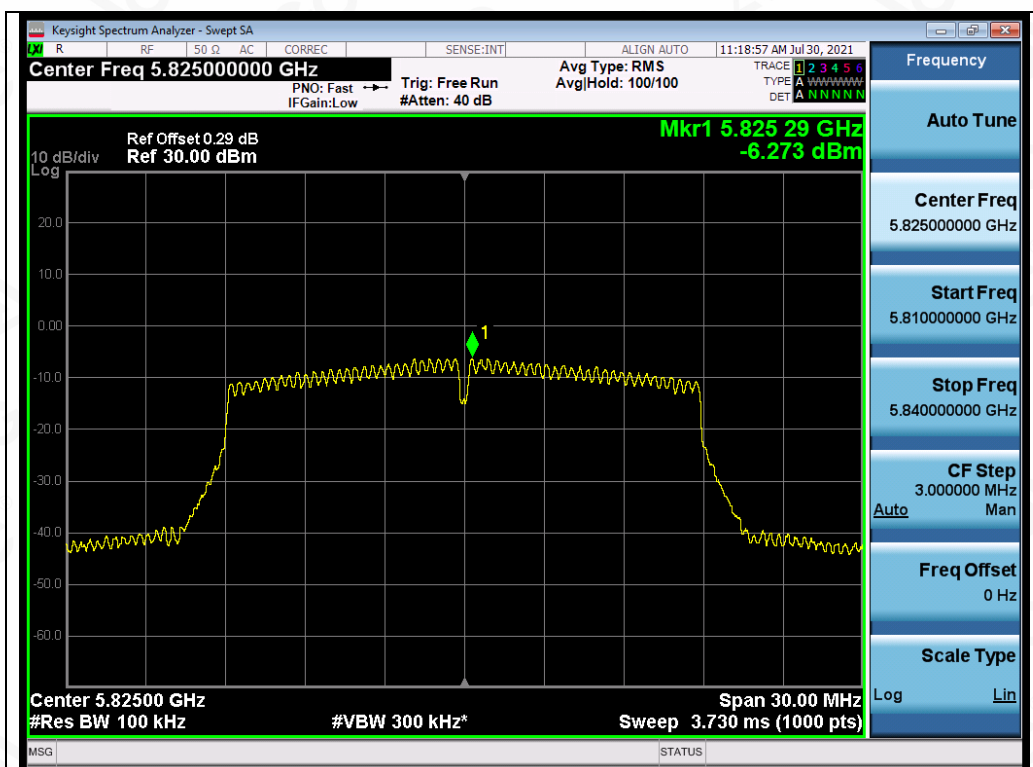


Test_Graph_802.11ac20_ANT1_5785_MCS0_PSD

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Test_Graph_802.11ac20_ANT1_5825_MCS9_PSD

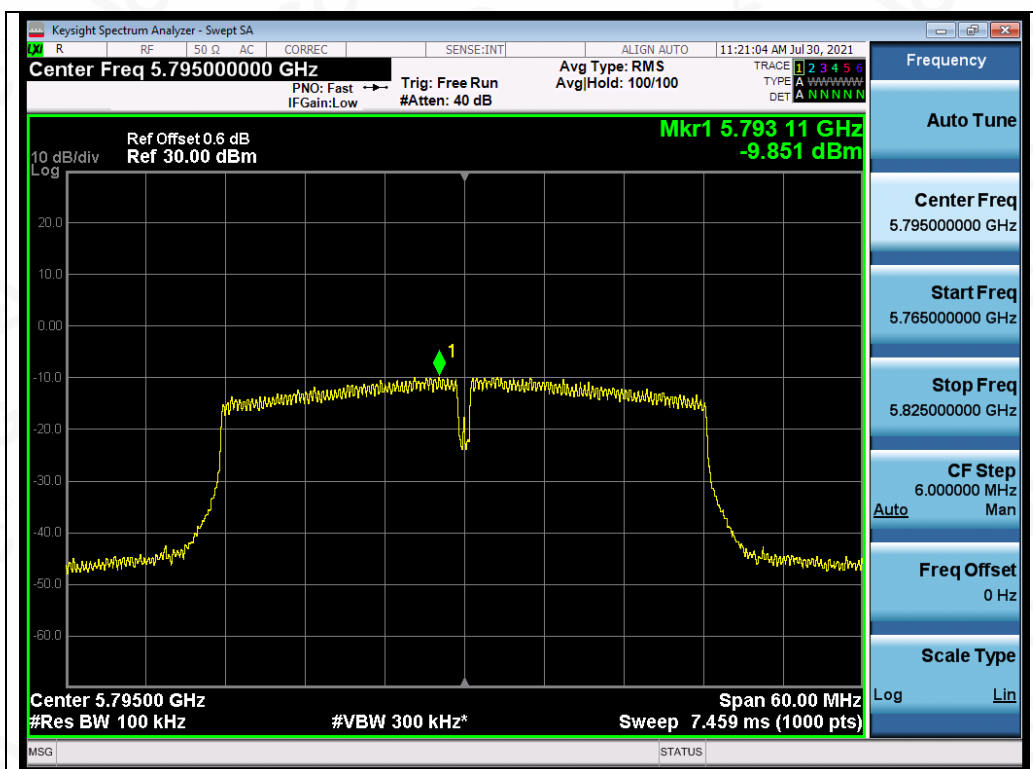


Test_Graph_802.11ac40_ANT1_5755_MCS9_PSD

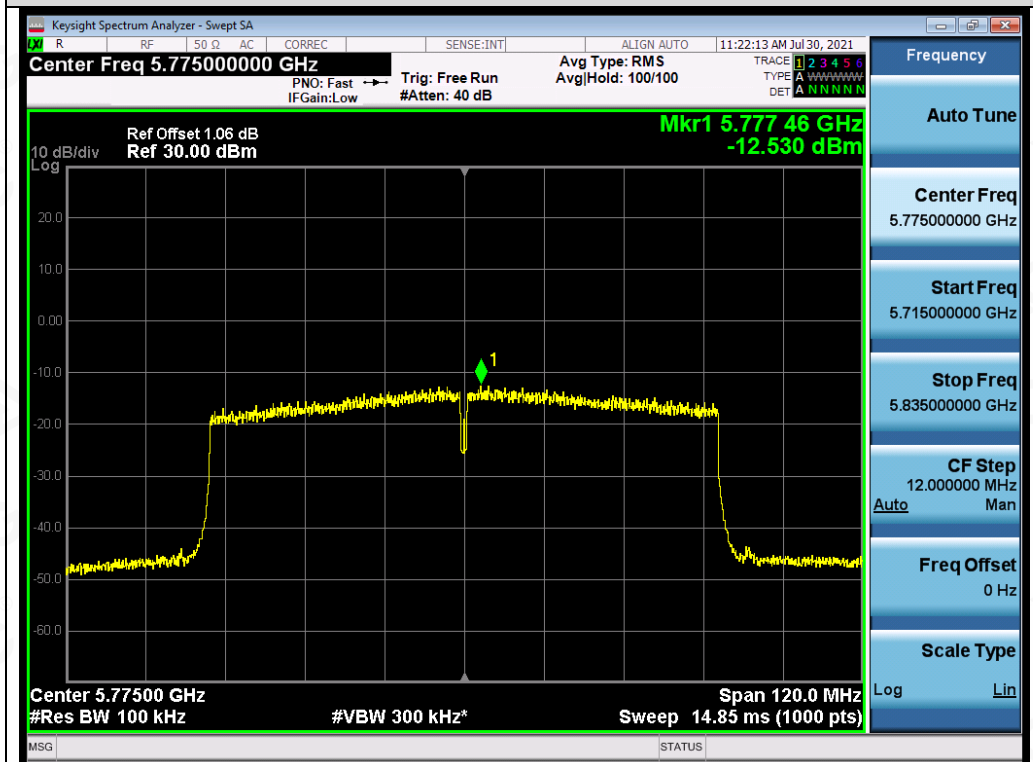
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Test_Graph_802.11ac40_ANT1_5795_MCS9_PSD



Test_Graph_802.11ac80_ANT1_5775_MCS9_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

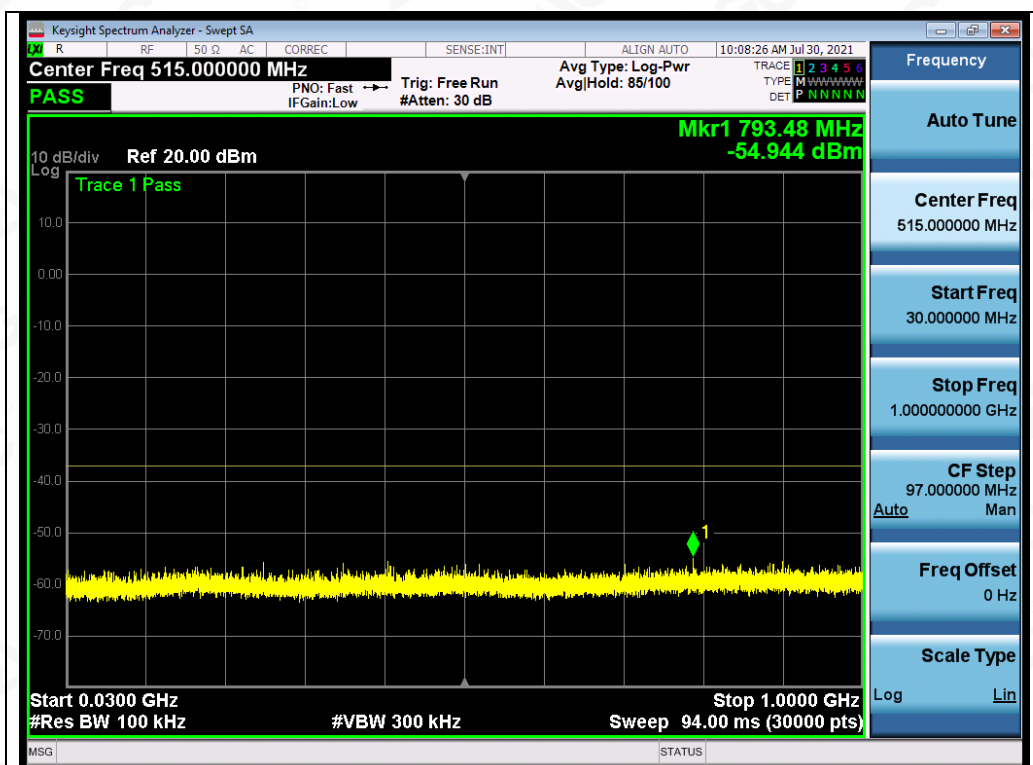
Note: All the 20MHz bandwidth modulation had been tested, the 802.11a20 was the worst case and record in his test report. All the 40MHz bandwidth modulation had been tested, the 802.11N40 was the worst case and record in his test report. All the 80MHz bandwidth modulation had been tested, the 802.11AC80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

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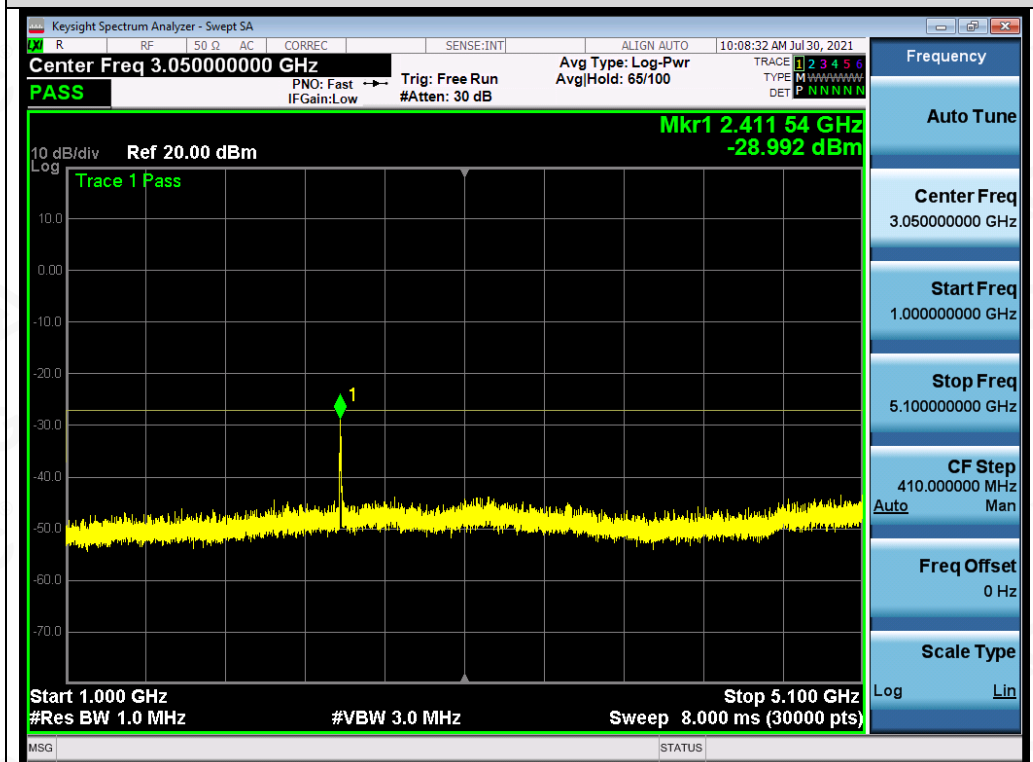
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Test Graphs of Spurious Emissions outside of the 5.15-5.35 GHz band for transmitters operating in the 5.15-5.25 GHz band



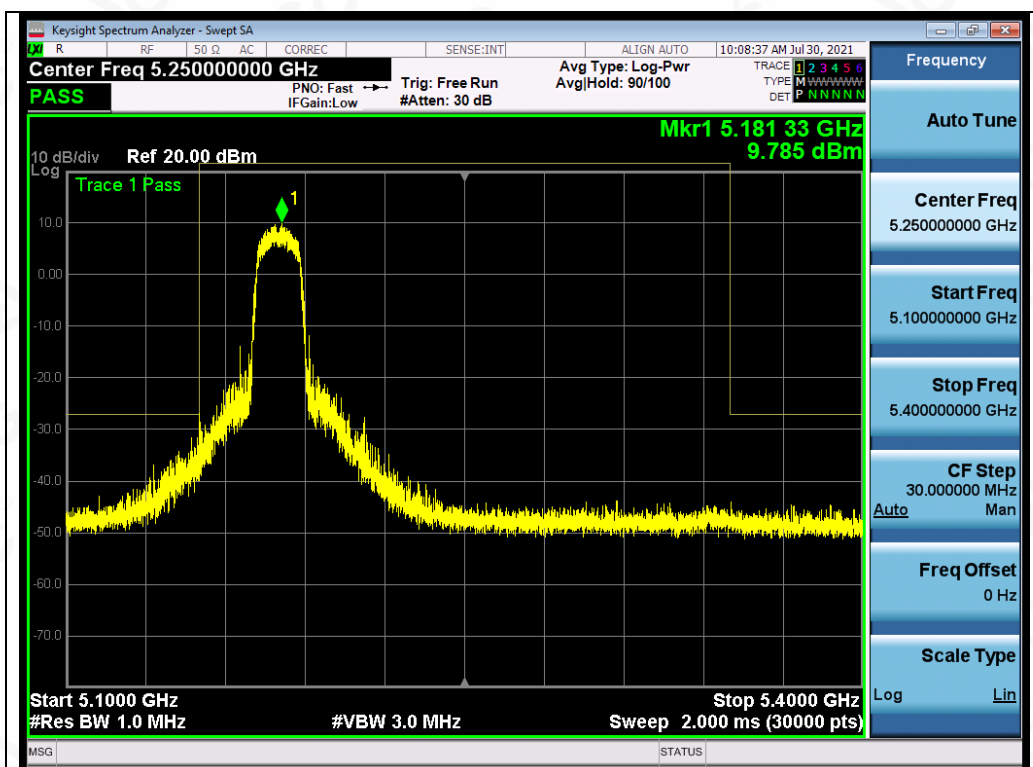
Test_Graph_802.11a_ANT1_5180_6Mbps_Frequency Band 1



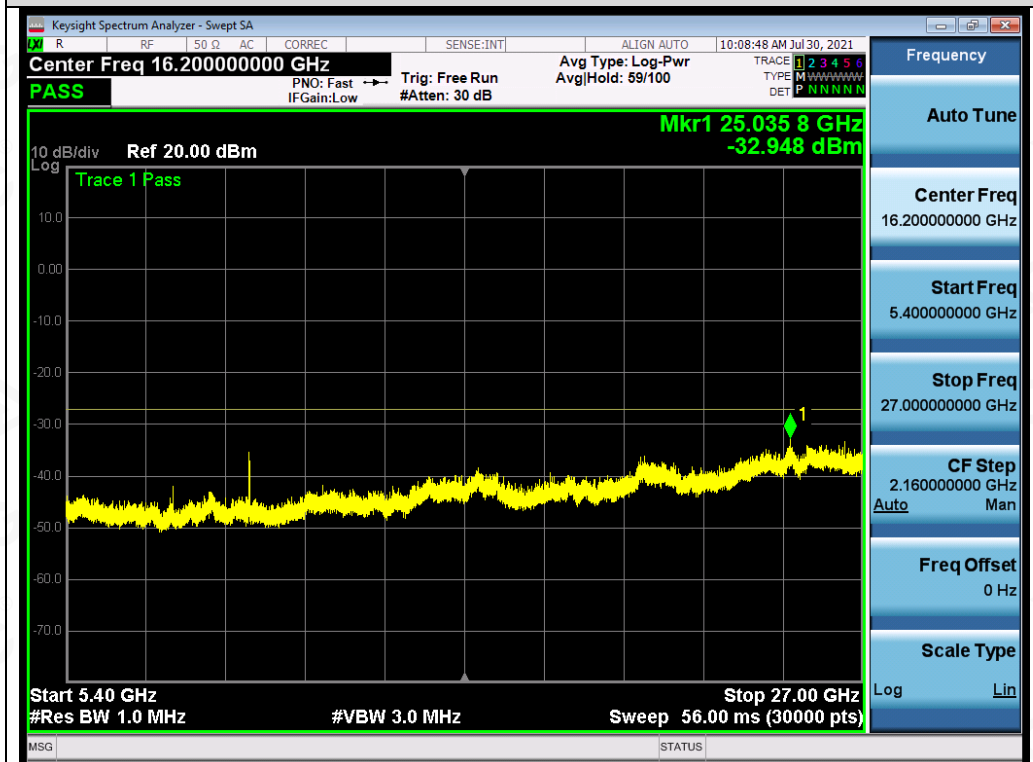
Test_Graph_802.11a_ANT1_5180_6Mbps_Frequency Band 2

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Test_Graph_802.11a_ANT1_5180_6Mbps_Frequency Band 3

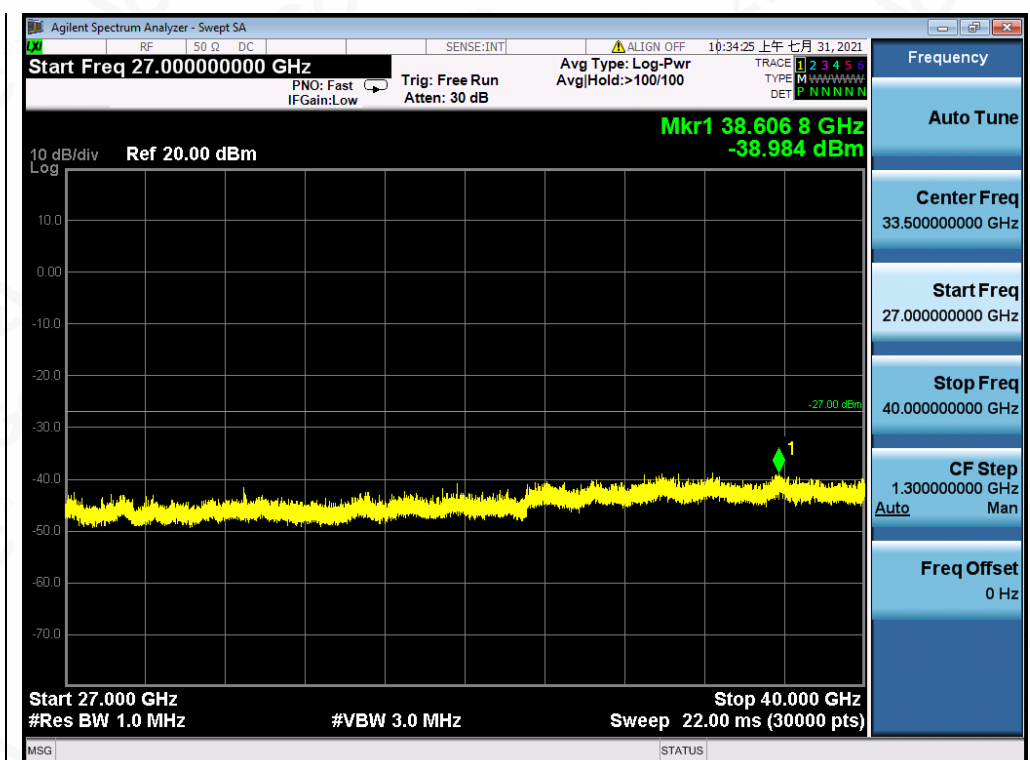


Test_Graph_802.11a_ANT1_5180_6Mbps_Frequency Band 4

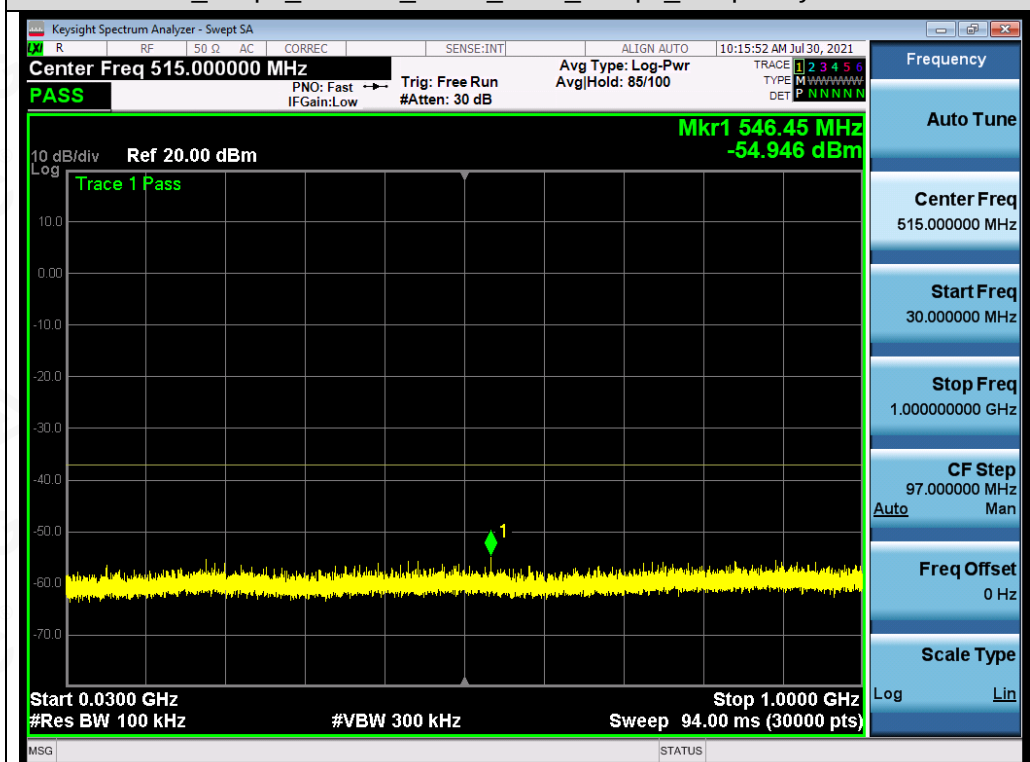
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Test Graph 802.11a ANT1 5180 6Mbps Frequency Band 5

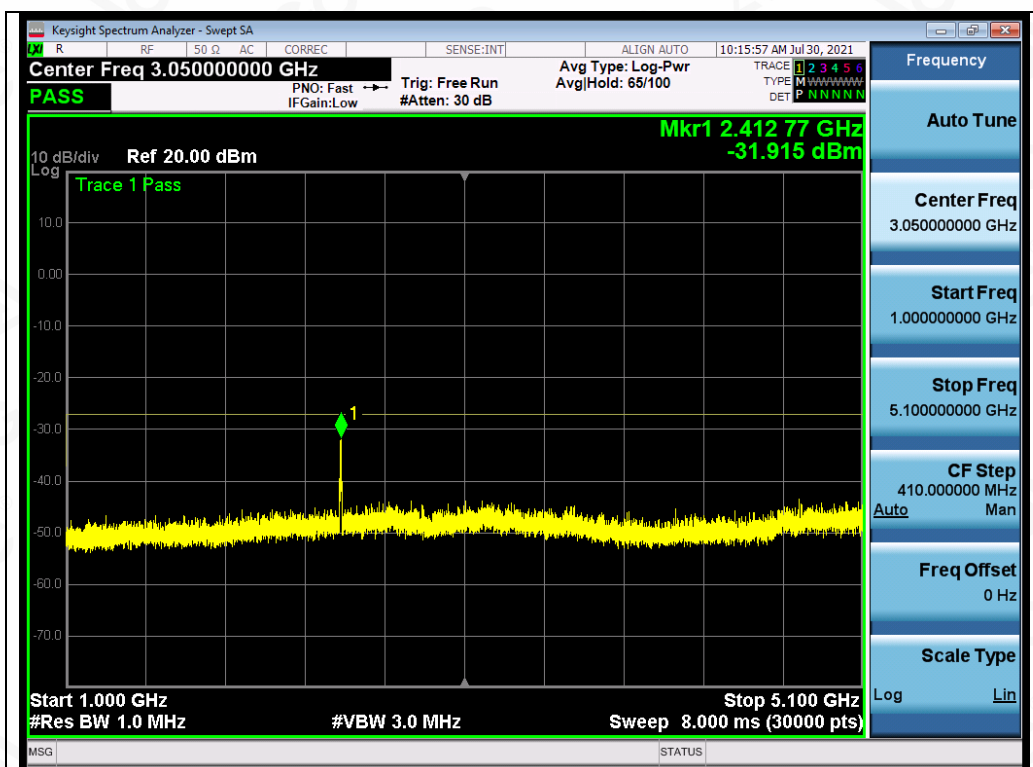


Test Graph 802.11a ANT1 5240 6Mbps Frequency Band 1

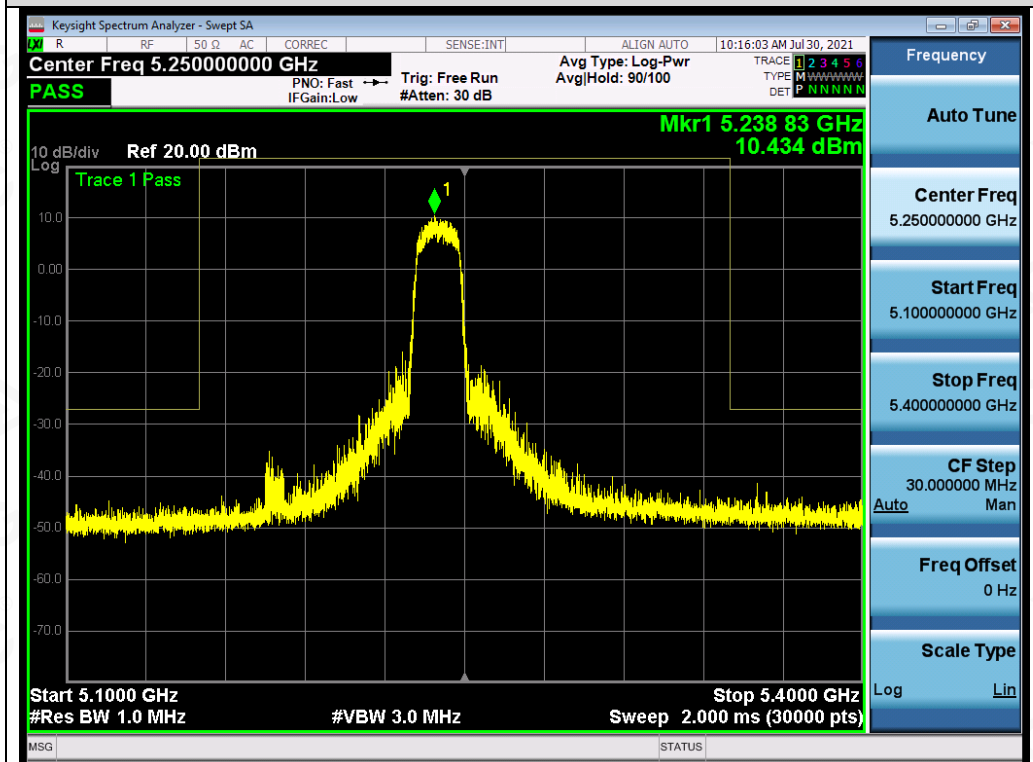
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Test_Graph_802.11a_ANT1_5240_6Mbps_Frequency Band 2

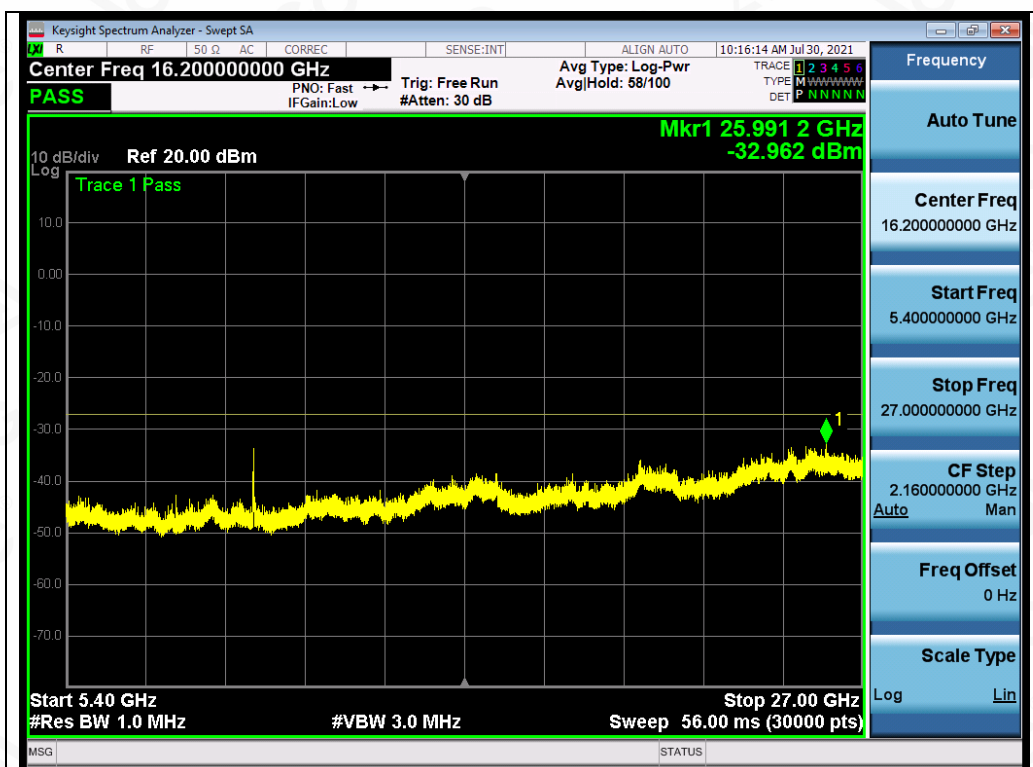


Test_Graph_802.11a_ANT1_5240_6Mbps_Frequency Band 3

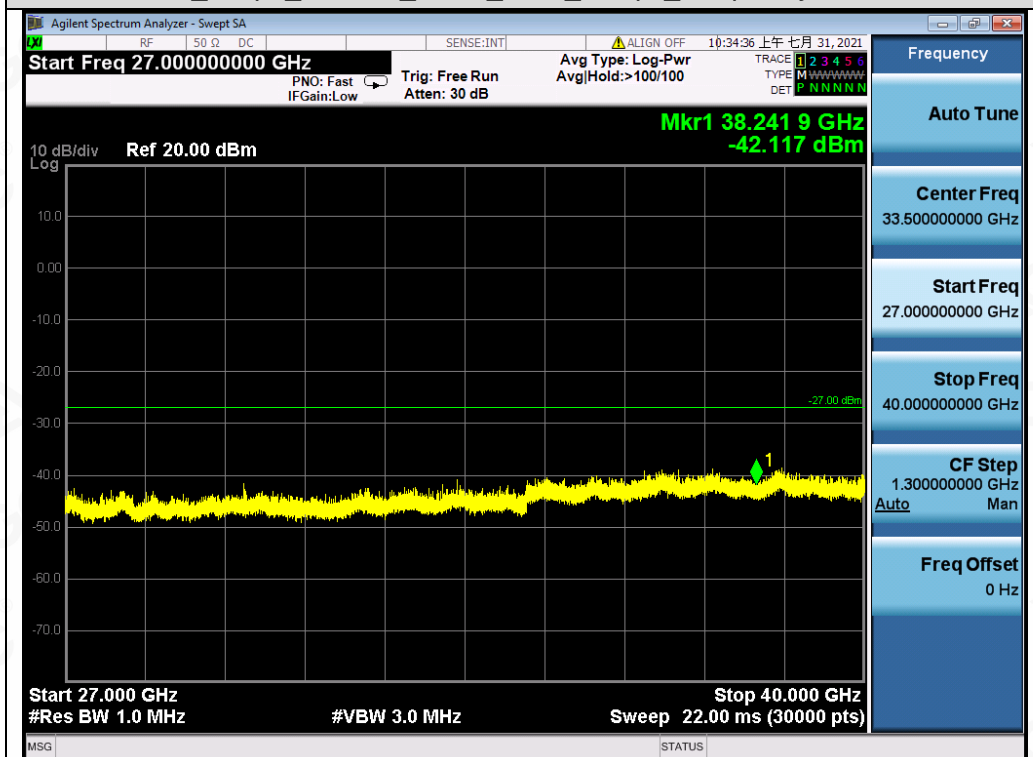
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Test_Graph_802.11a_ANT1_5240_6Mbps_Frequency Band 4

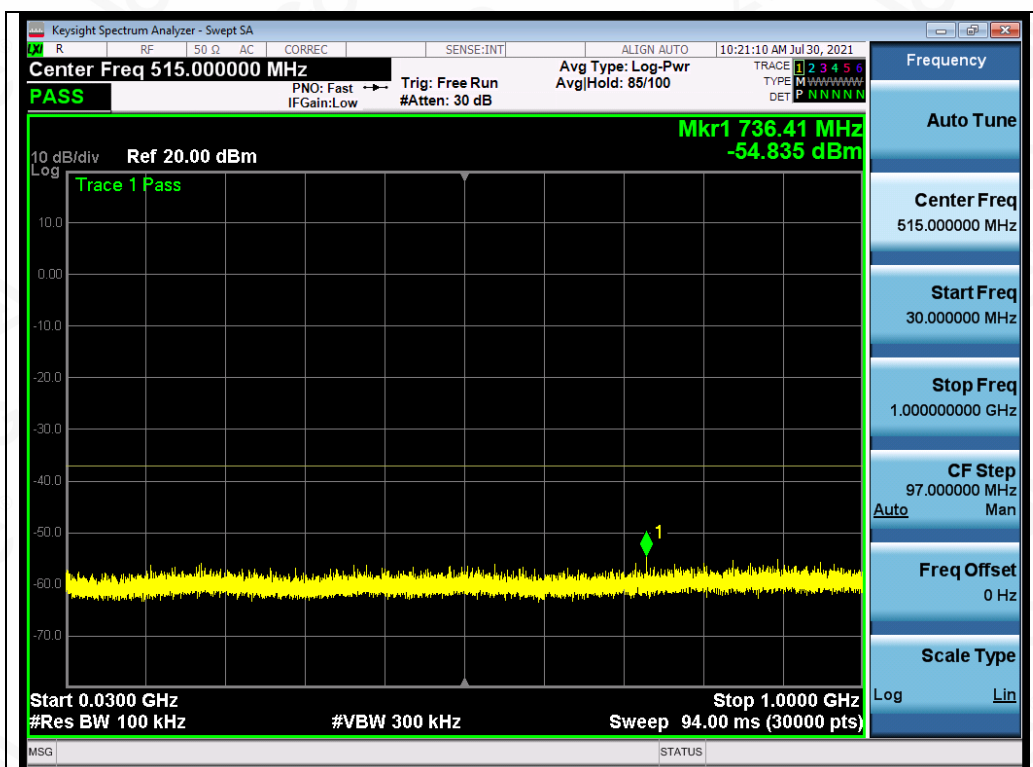


Test_Graph_802.11a_ANT1_5240_6Mbps_Frequency Band 5

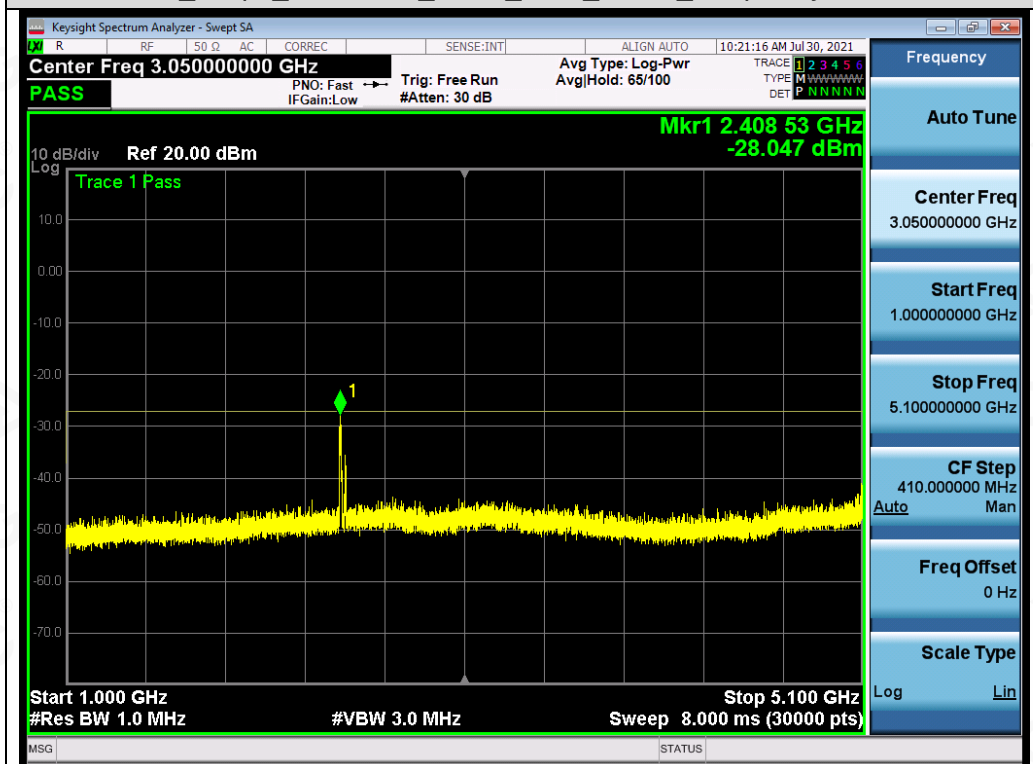
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Test_Graph_802.11n40_ANT1_5190_MCS0_Frequency Band 1

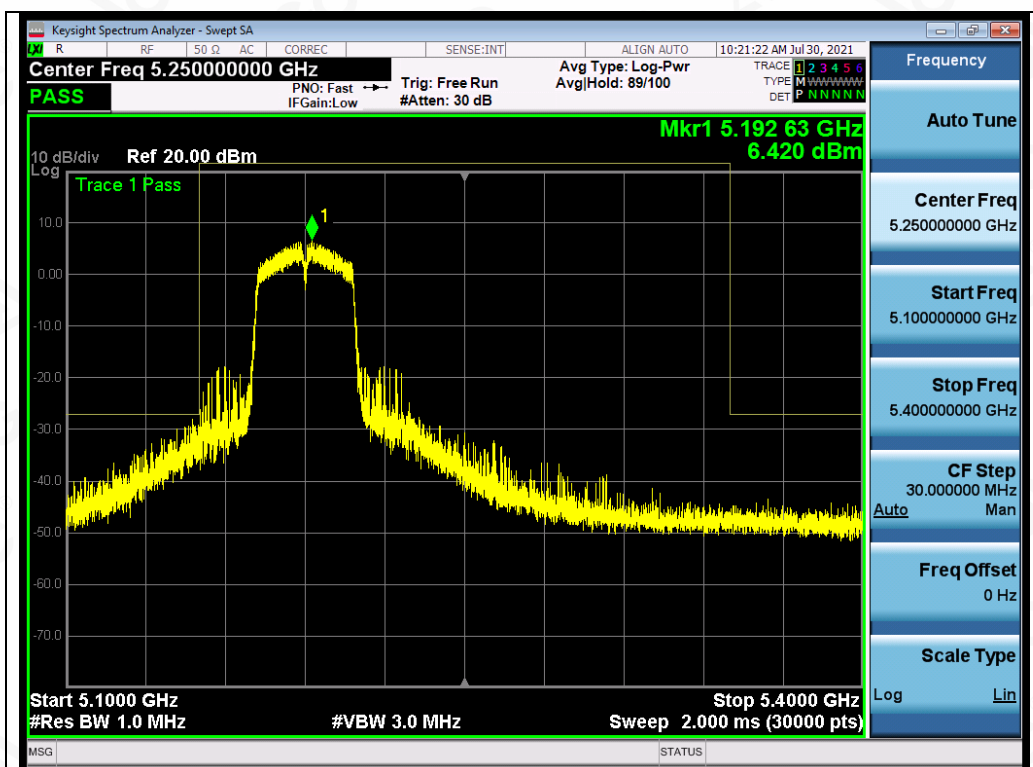


Test_Graph_802.11n40_ANT1_5190_MCS0_Frequency Band 2

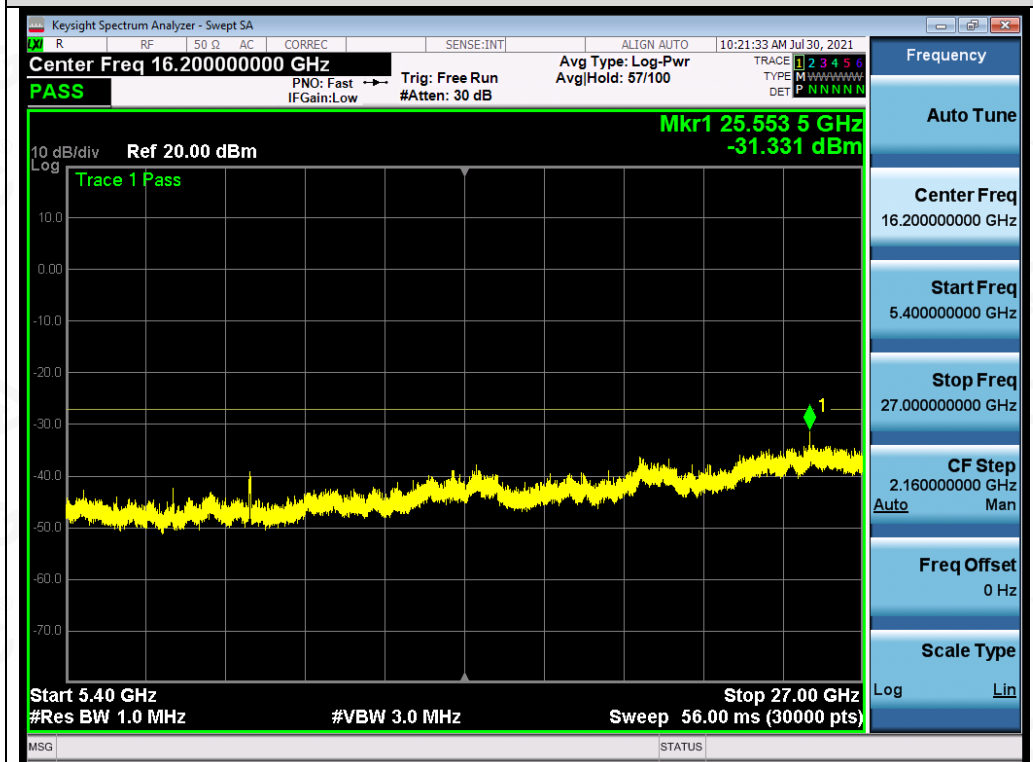
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Test_Graph_802.11n40_ANT1_5190_MCS0_Frequency Band 3



Test_Graph_802.11n40_ANT1_5190_MCS0_Frequency Band 4

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