

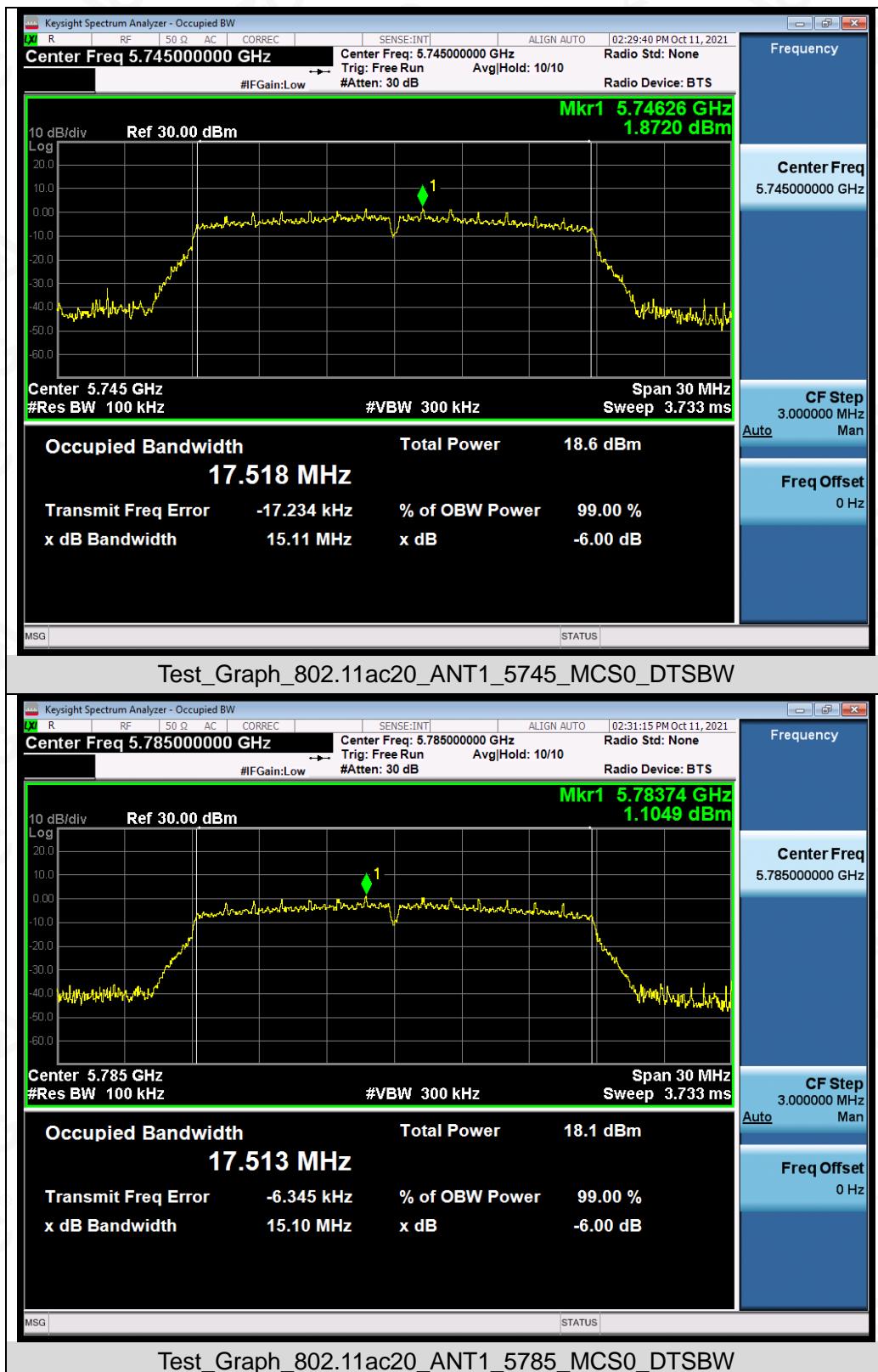
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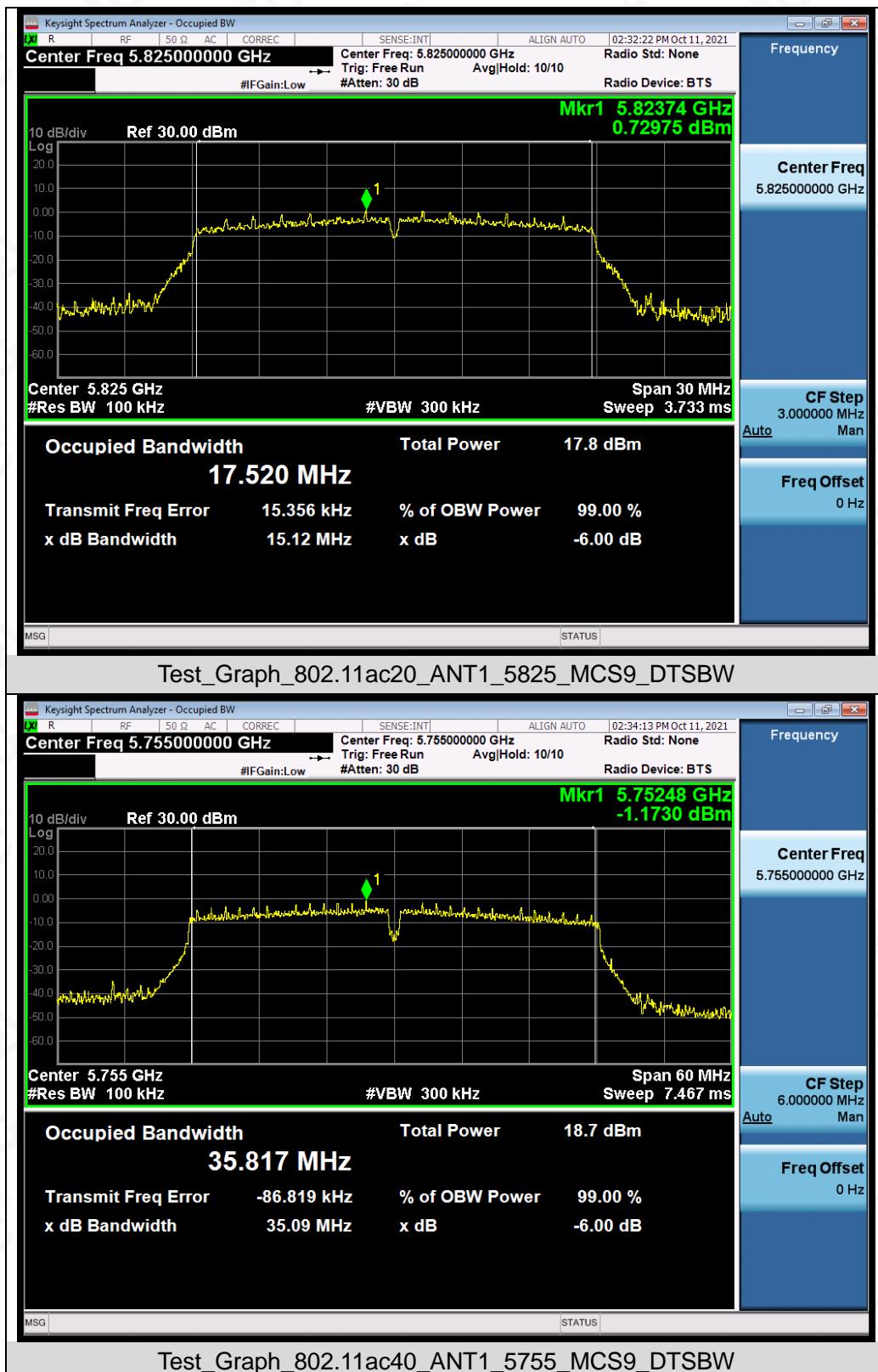
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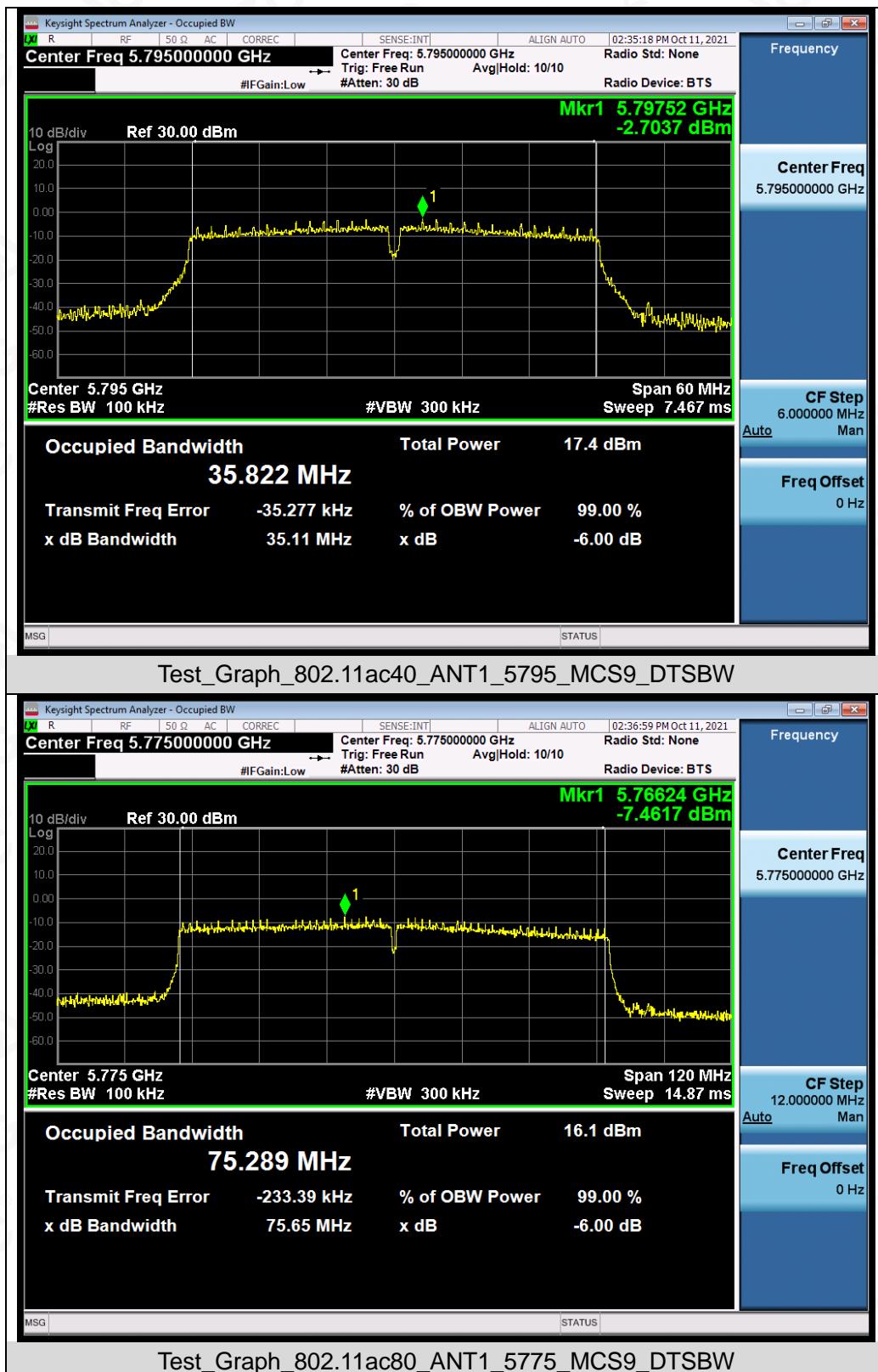
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9. MAXIMUM CONDUCTED OUTPUT AVERAGE POWER SPECTRAL DENSITY**9.1. MEASUREMENT PROCEDURE**

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	5.370	11	Pass
	5200	4.873	11	Pass
	5240	5.260	11	Pass
802.11n20	5180	3.127	11	Pass
	5200	3.349	11	Pass
	5240	4.914	11	Pass
802.11n40	5190	0.390	11	Pass
	5230	-0.386	11	Pass
802.11ac20	5180	2.866	11	Pass
	5200	3.214	11	Pass
	5240	3.577	11	Pass
802.11ac40	5190	-0.939	11	Pass
	5230	0.565	11	Pass
802.11ac80	5210	-2.796	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	5.053	11	Pass
	5300	4.744	11	Pass
	5320	4.498	11	Pass
802.11n20	5260	4.415	11	Pass
	5300	4.504	11	Pass
	5320	4.264	11	Pass
802.11n40	5270	0.487	11	Pass
	5310	-0.035	11	Pass
802.11ac20	5260	2.390	11	Pass
	5300	2.426	11	Pass
	5320	2.055	11	Pass
802.11ac40	5270	-0.230	11	Pass
	5310	-0.441	11	Pass
802.11ac80	5290	-3.187	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	-4.913	2.077	30	Pass
	5785	-5.333	1.657	30	Pass
	5825	-5.58	1.410	30	Pass
802.11n20	5745	-5.354	1.636	30	Pass
	5785	-6.107	0.883	30	Pass
	5825	-6.596	0.394	30	Pass
802.11n40	5755	-8.61	-1.620	30	Pass
	5795	-9.104	-2.114	30	Pass
802.11ac20	5745	-6.303	0.687	30	Pass
	5785	-6.671	0.319	30	Pass
	5825	-7.081	-0.091	30	Pass
802.11ac40	5755	-8.312	-1.322	30	Pass
	5795	-9.751	-2.761	30	Pass
802.11ac80	5775	-13.145	-6.155	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

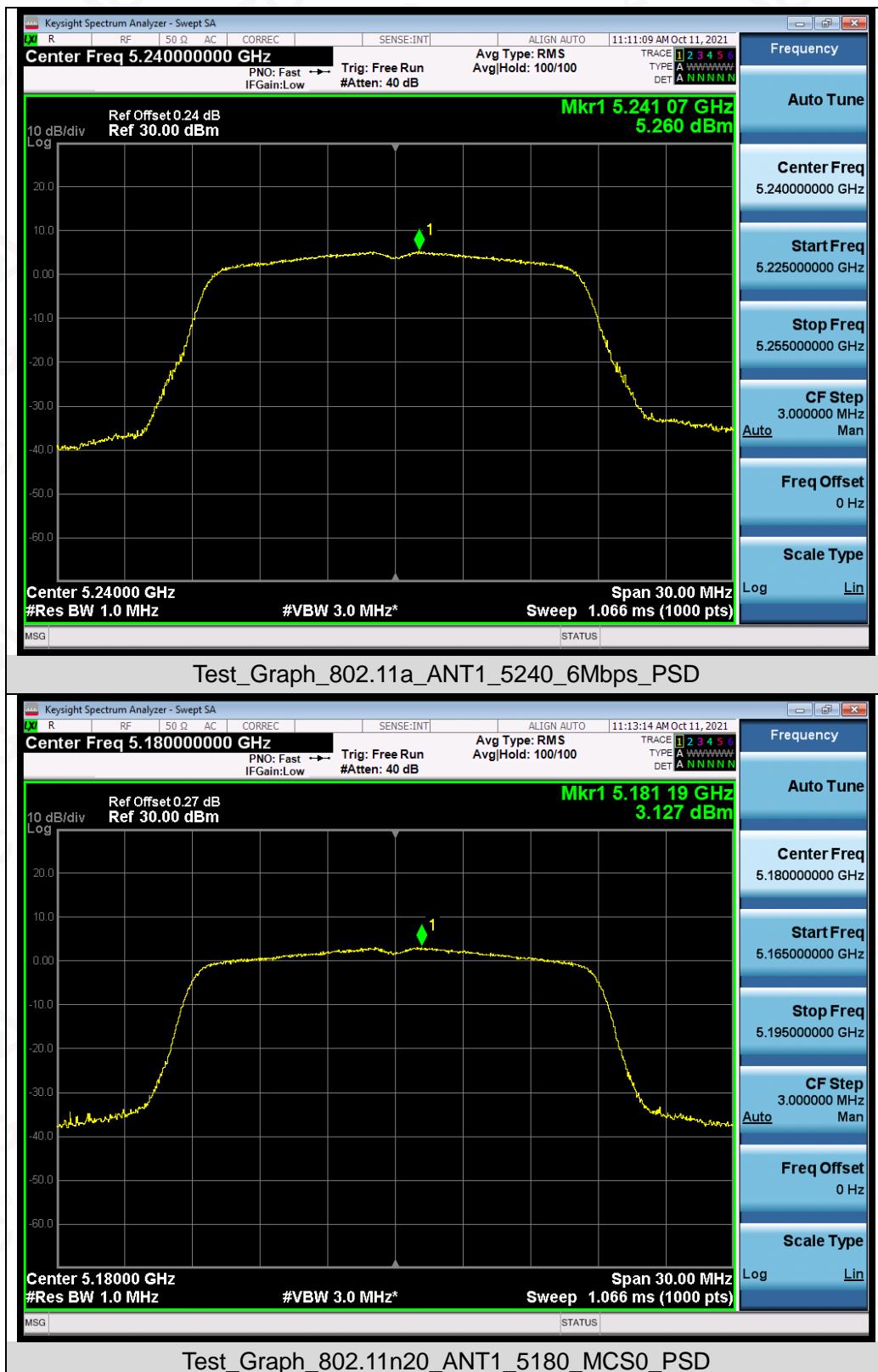
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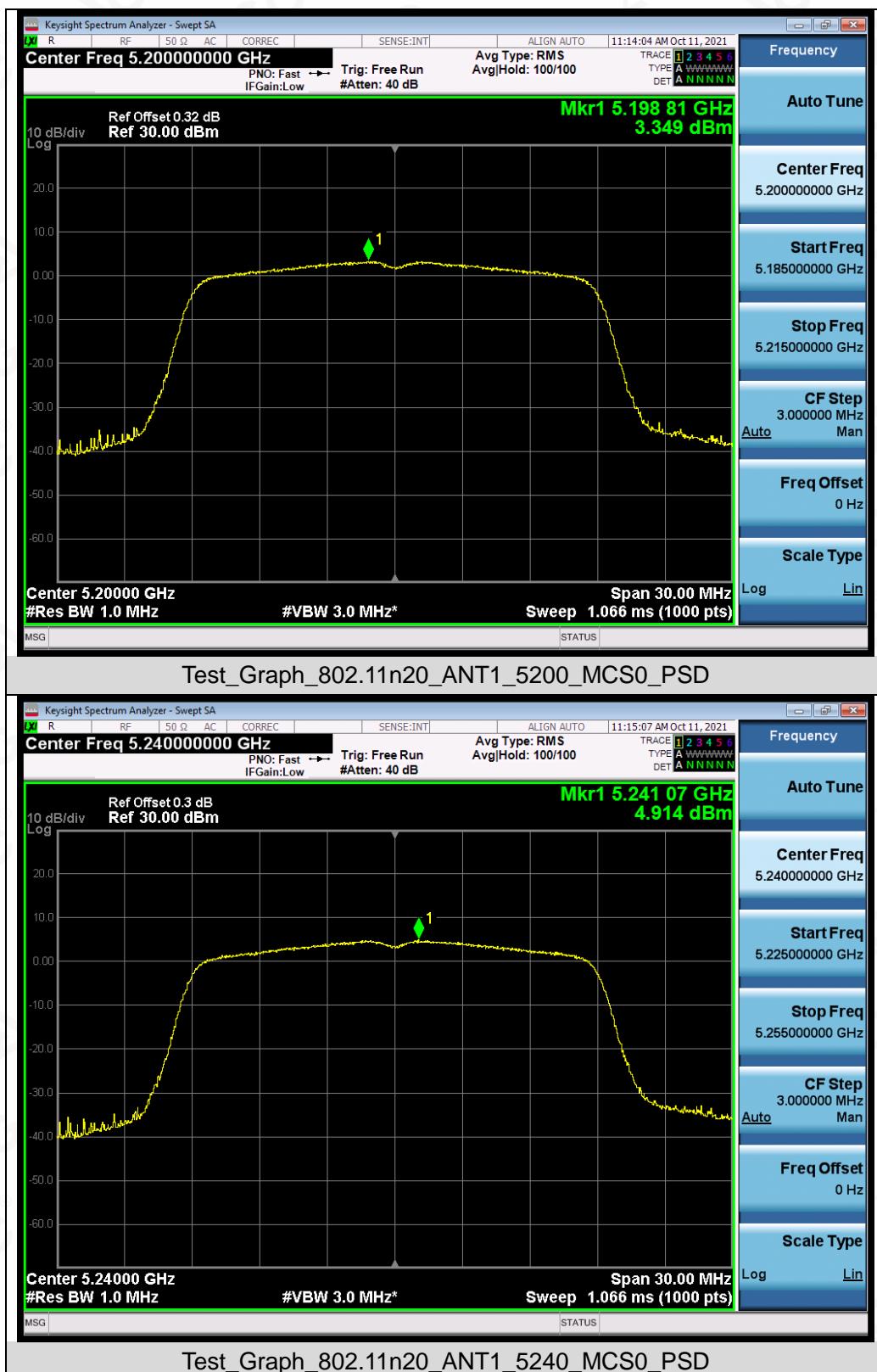
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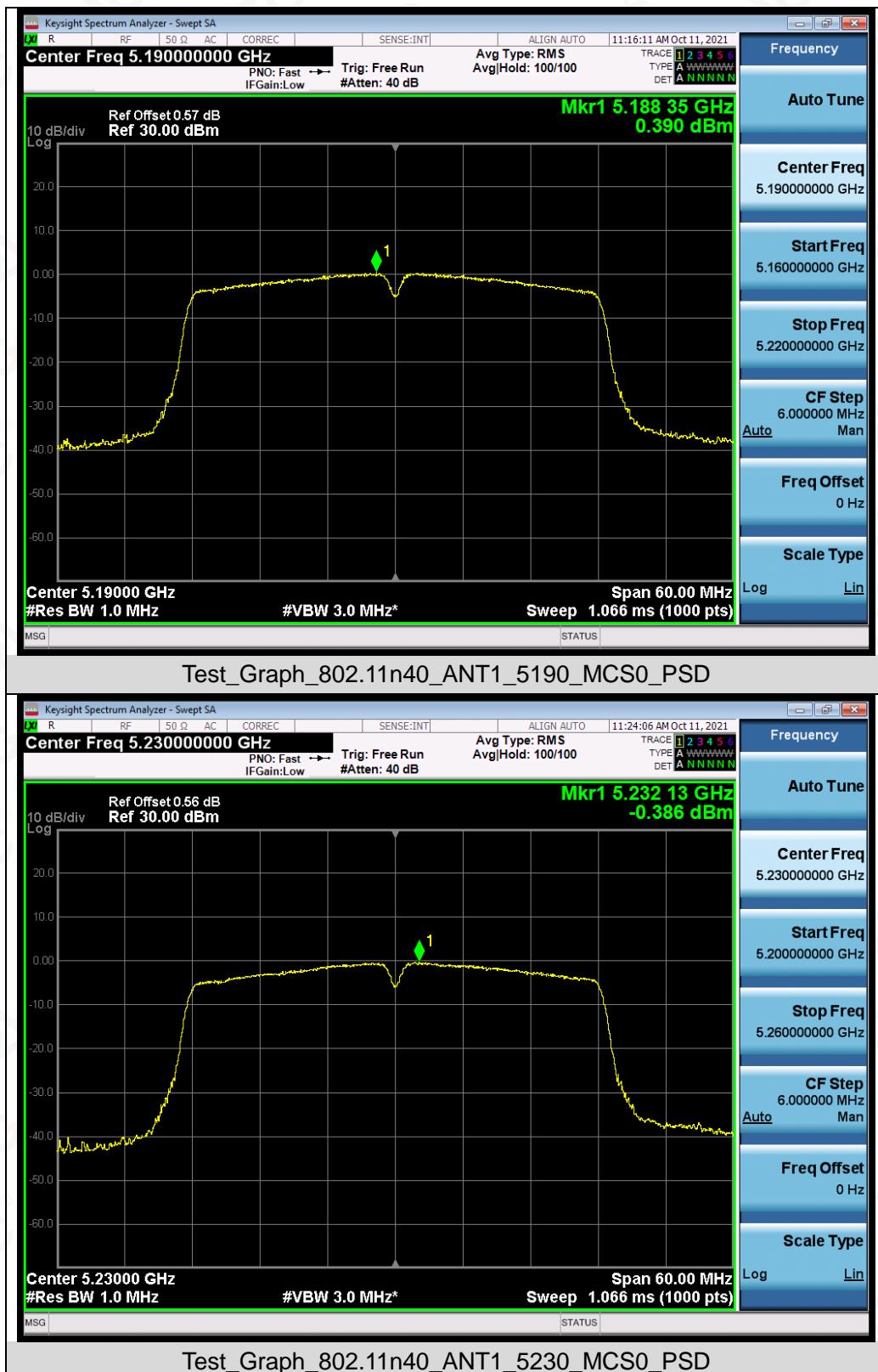
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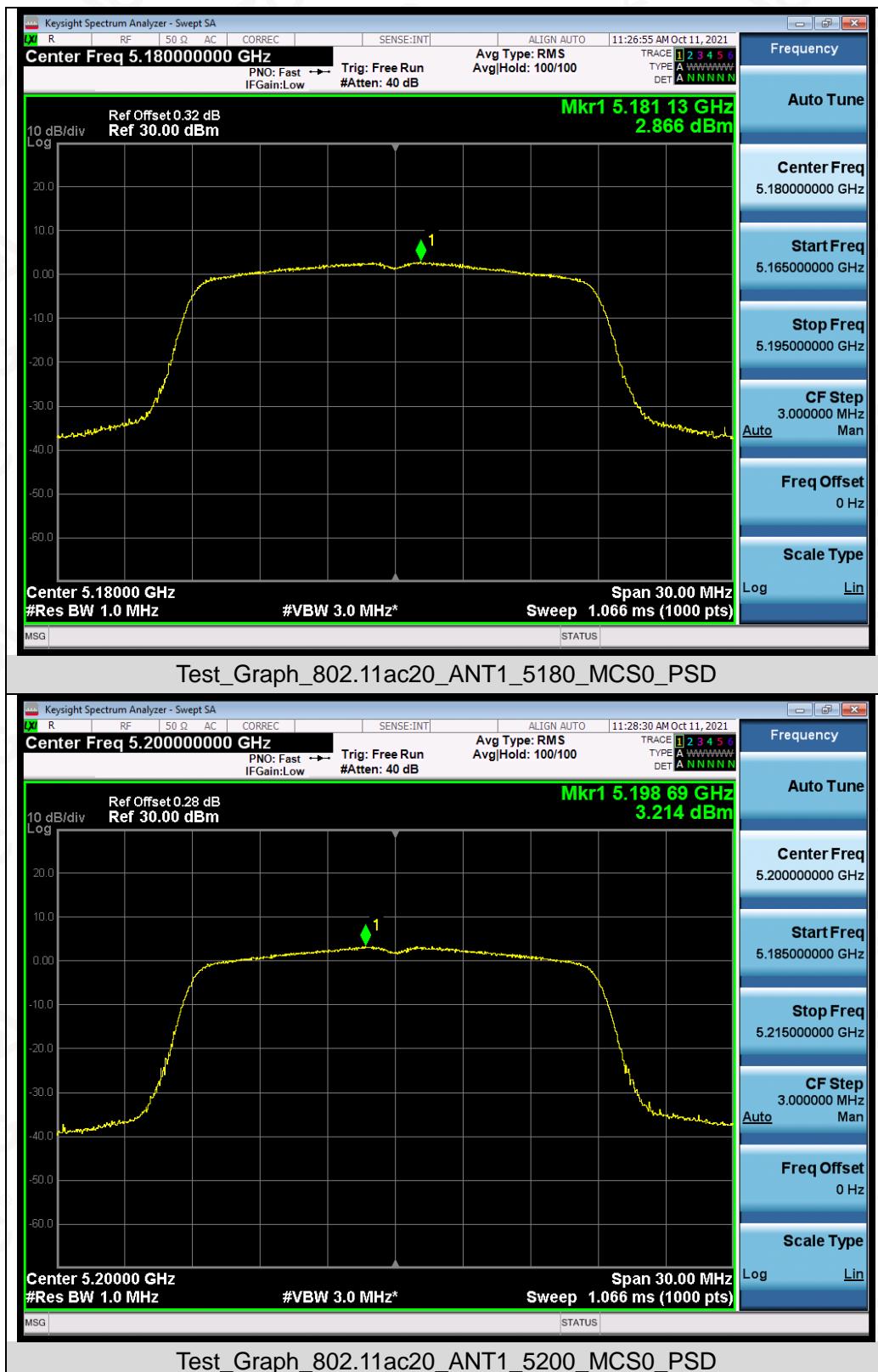
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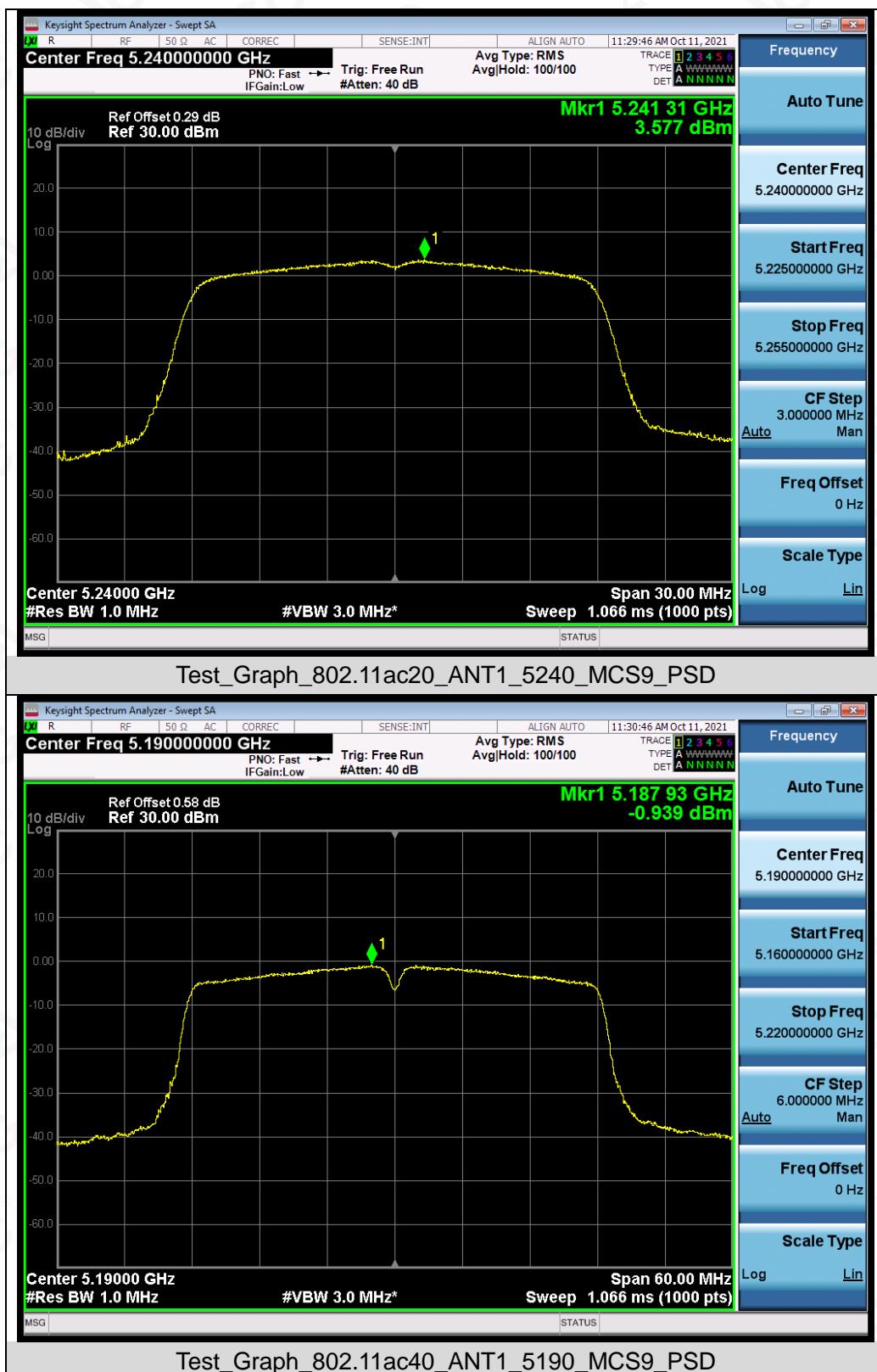
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Test Graphs of Conducted Output Power Spectral Density for band 5.25-5.35 GHz



Test_Graph_802.11a_ANT1_5260_6Mbps_PSD



Test_Graph_802.11a_ANT1_5300_6Mbps_PSD

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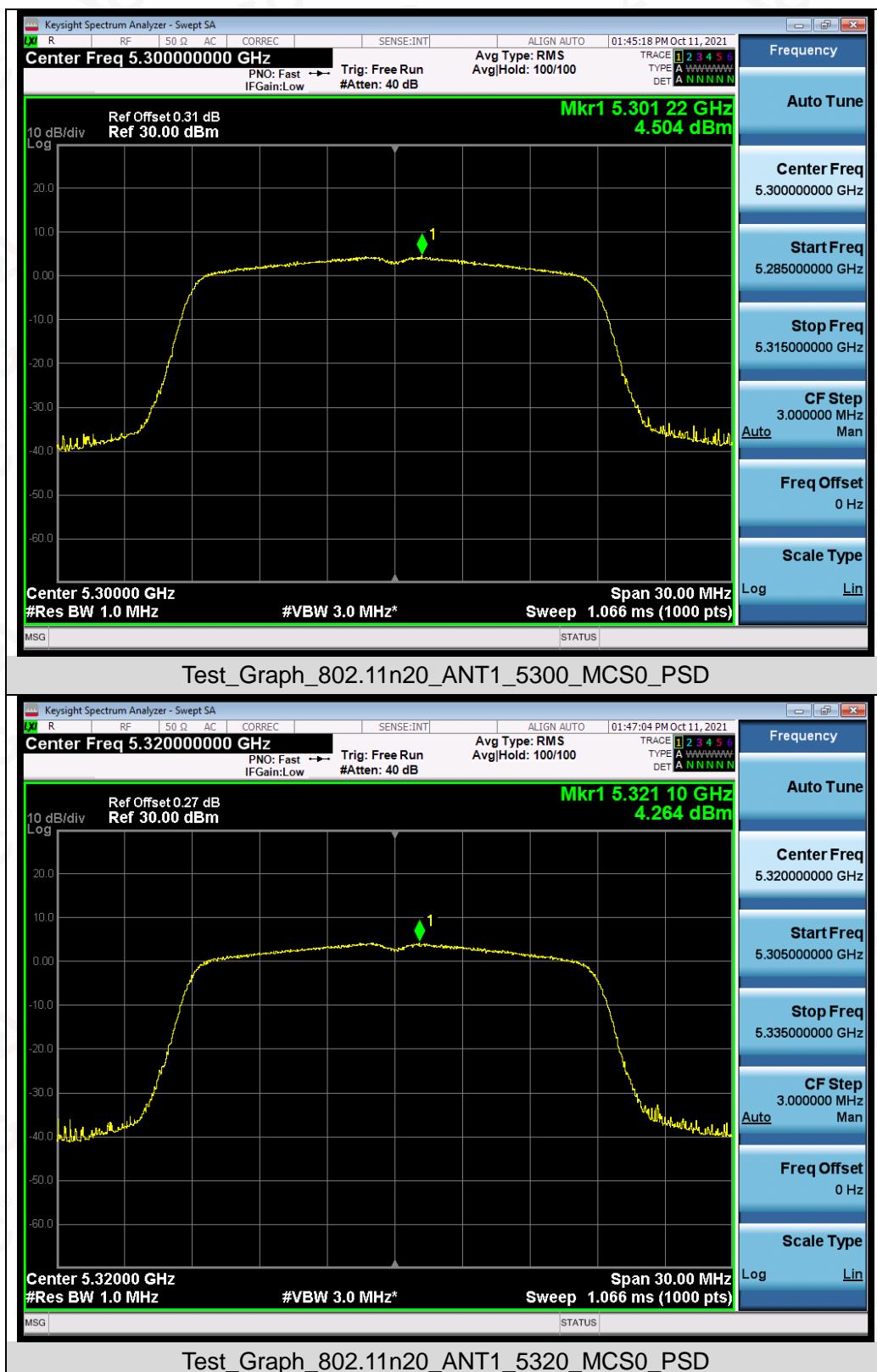
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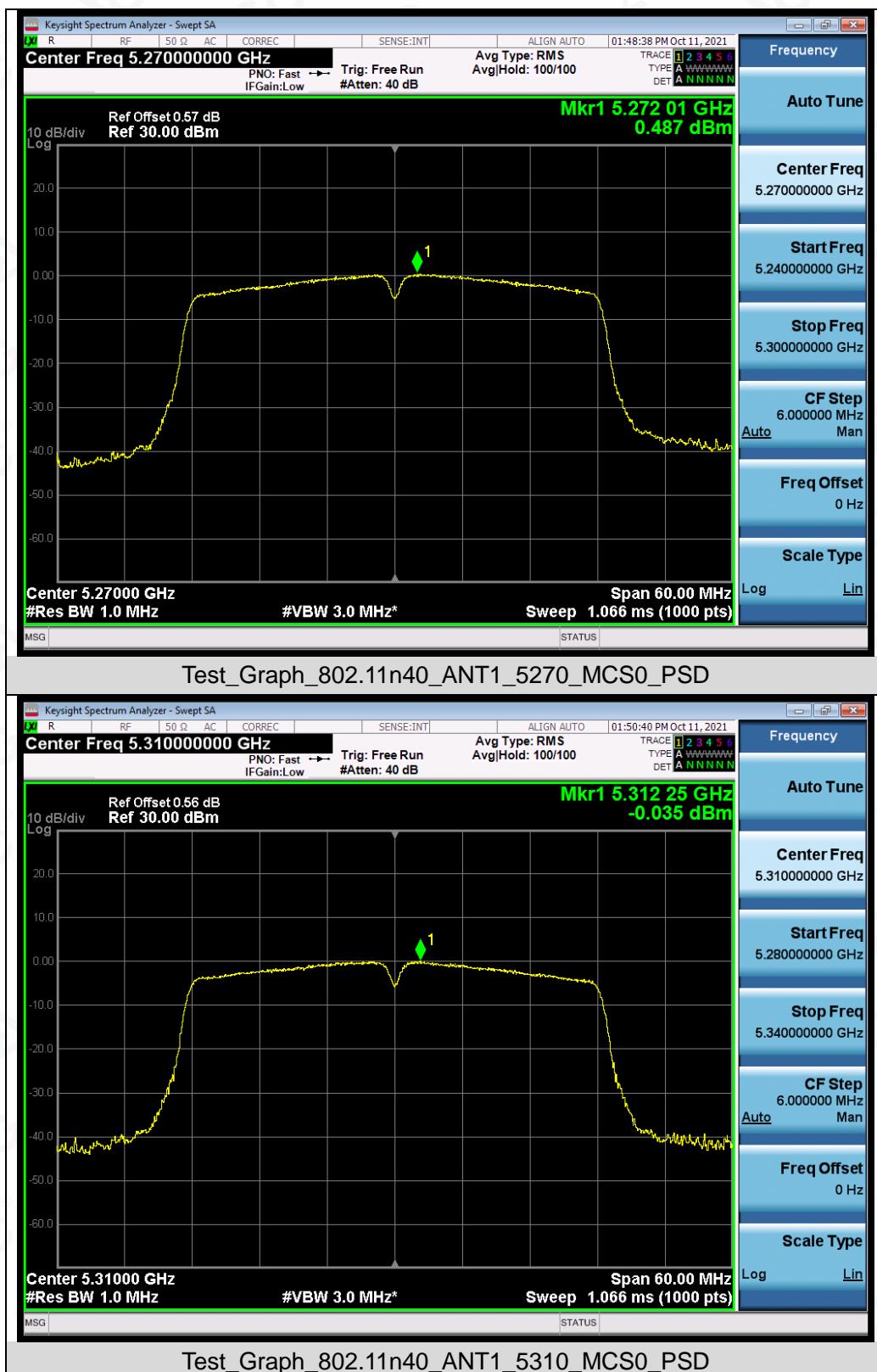
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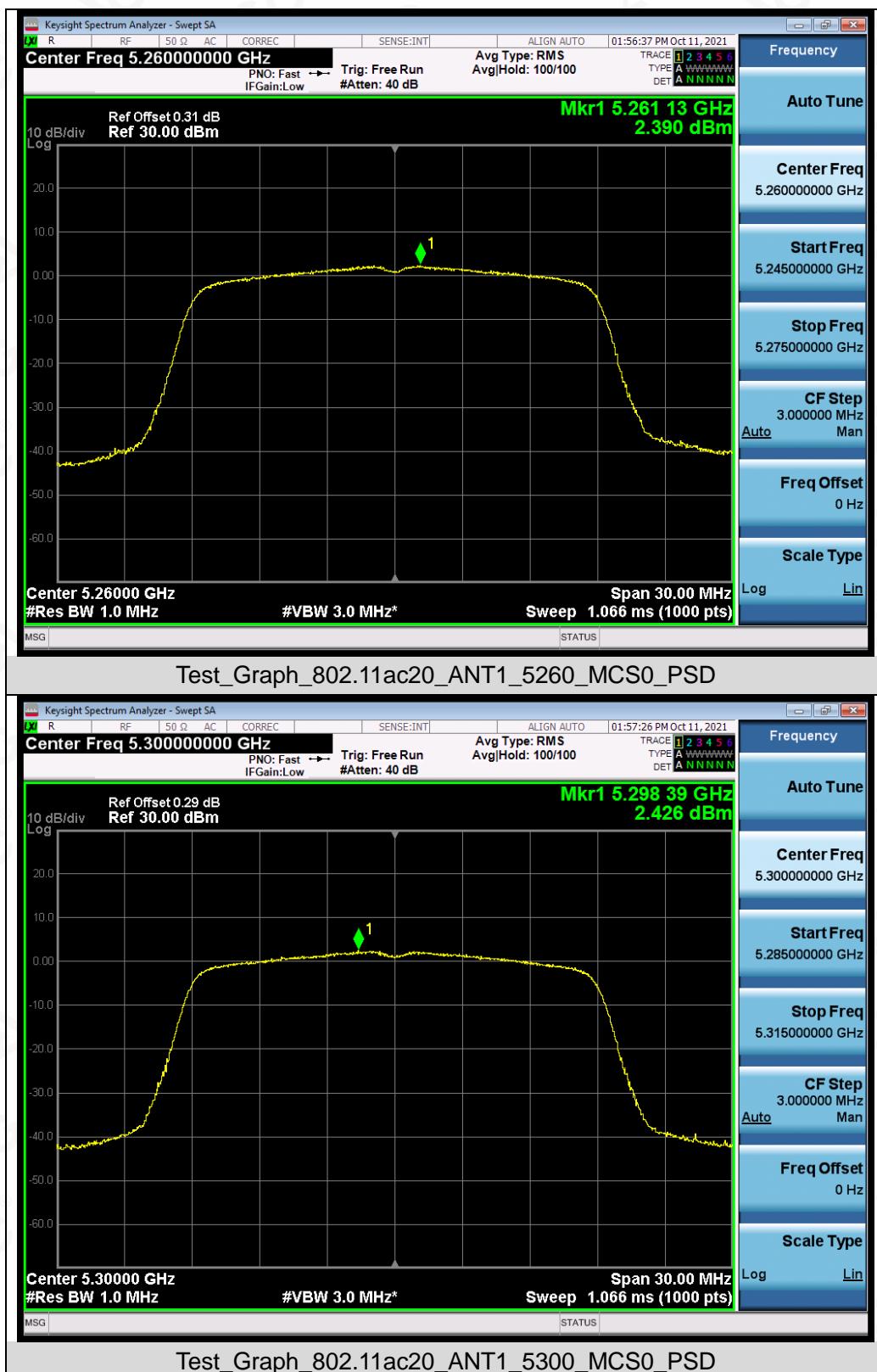
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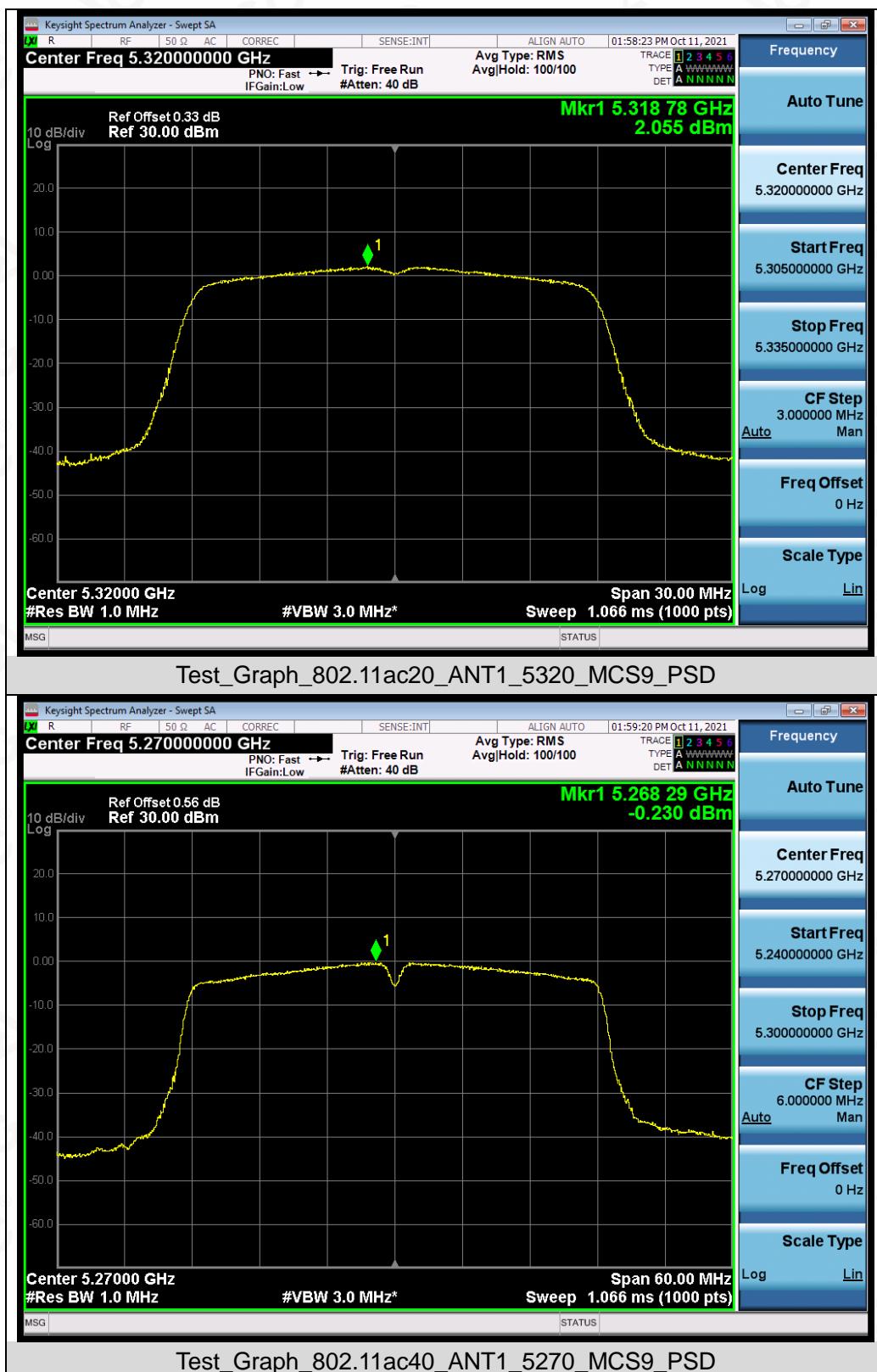
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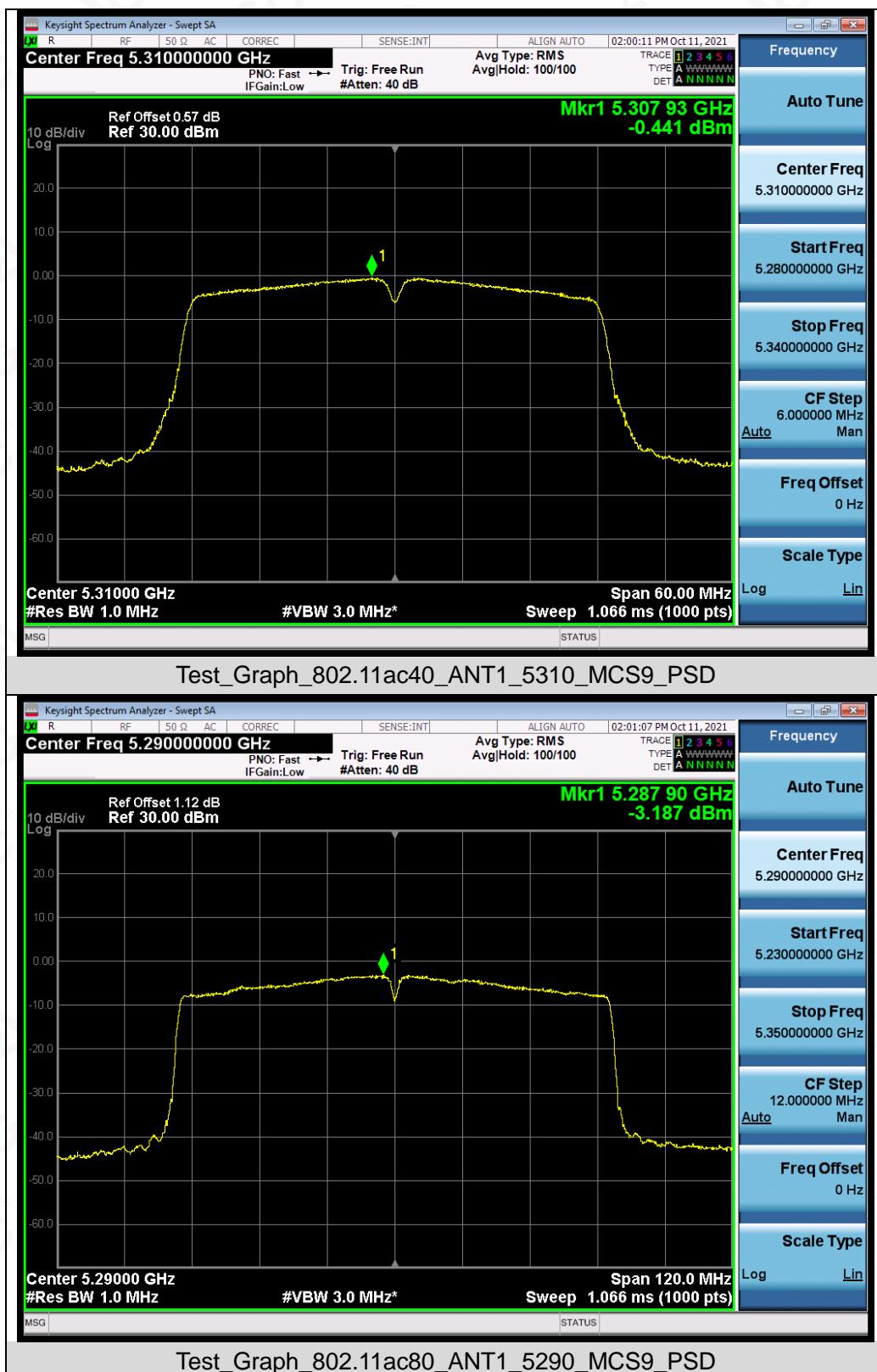
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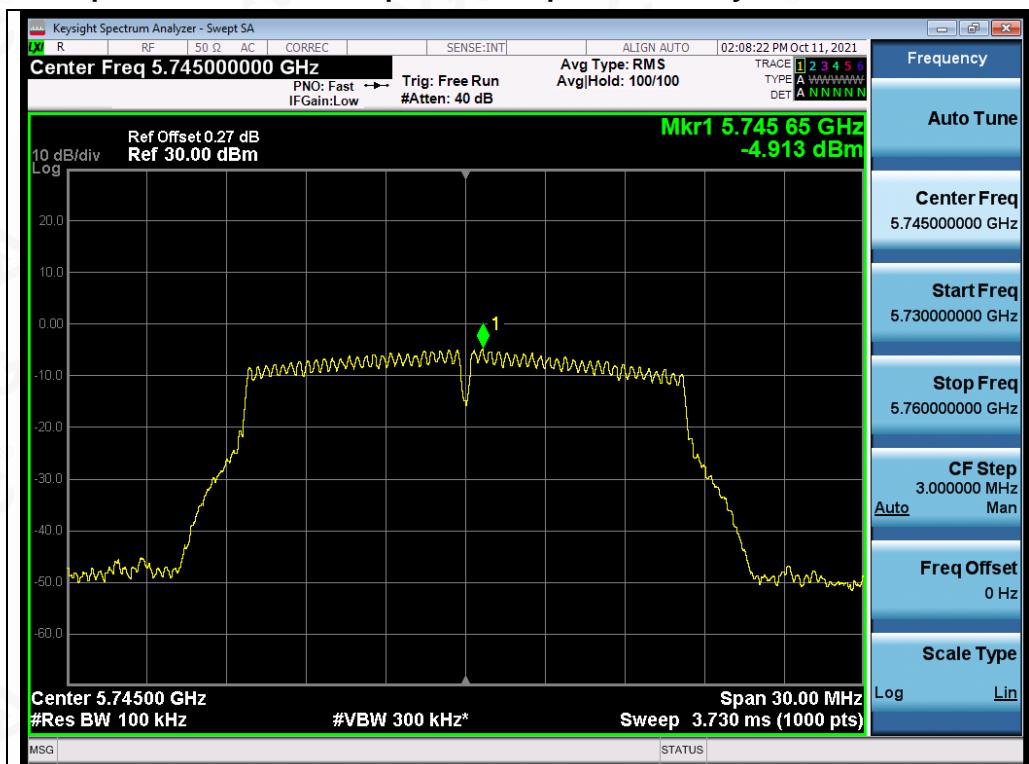
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Test Graphs of Conducted Output Power Spectral Density for band 5.725-5.85 GHz



Test_Graph_802.11a_ANT1_5745_6Mbps_PSD



Test_Graph_802.11a_ANT1_5785_6Mbps_PSD

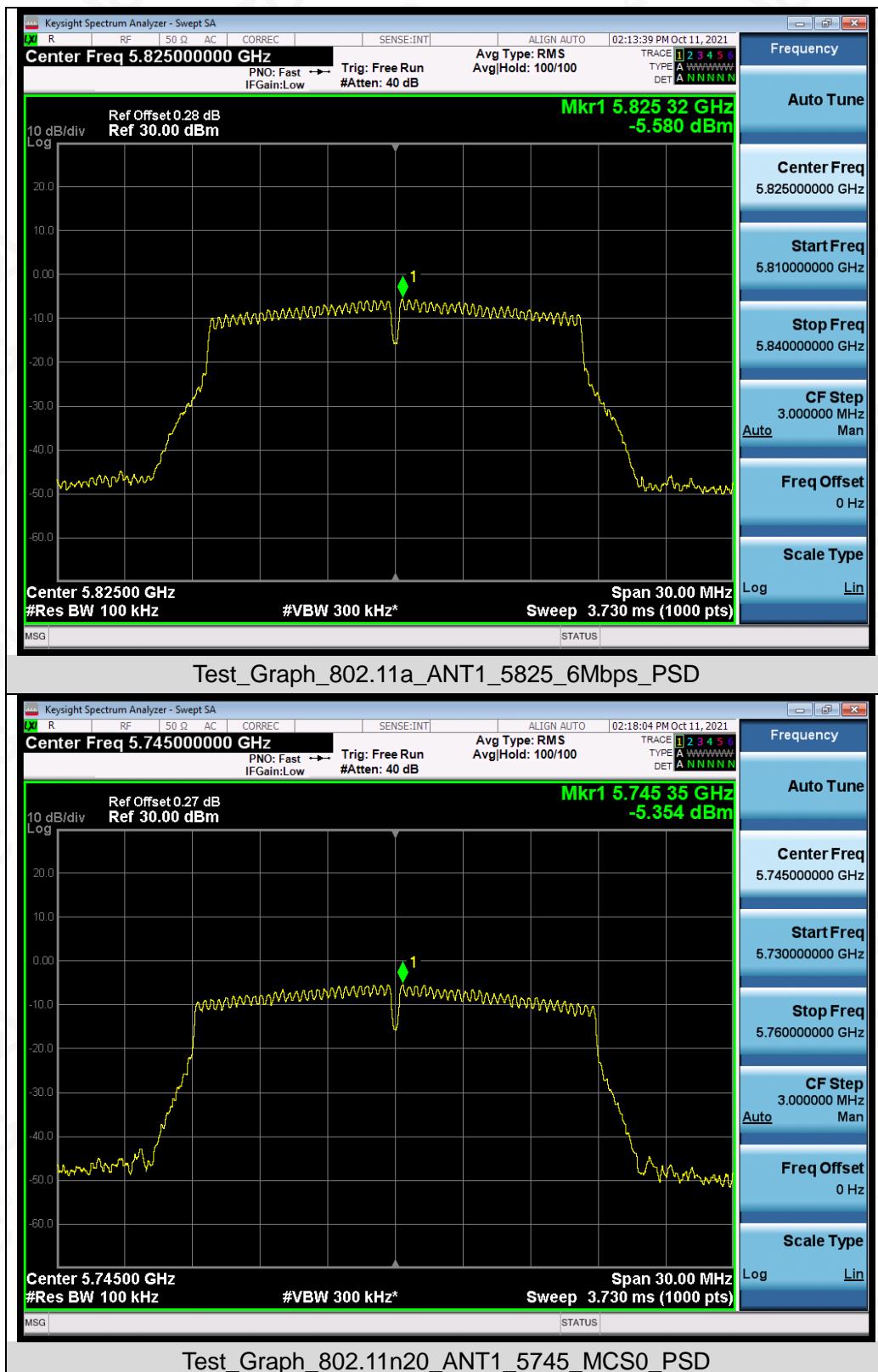
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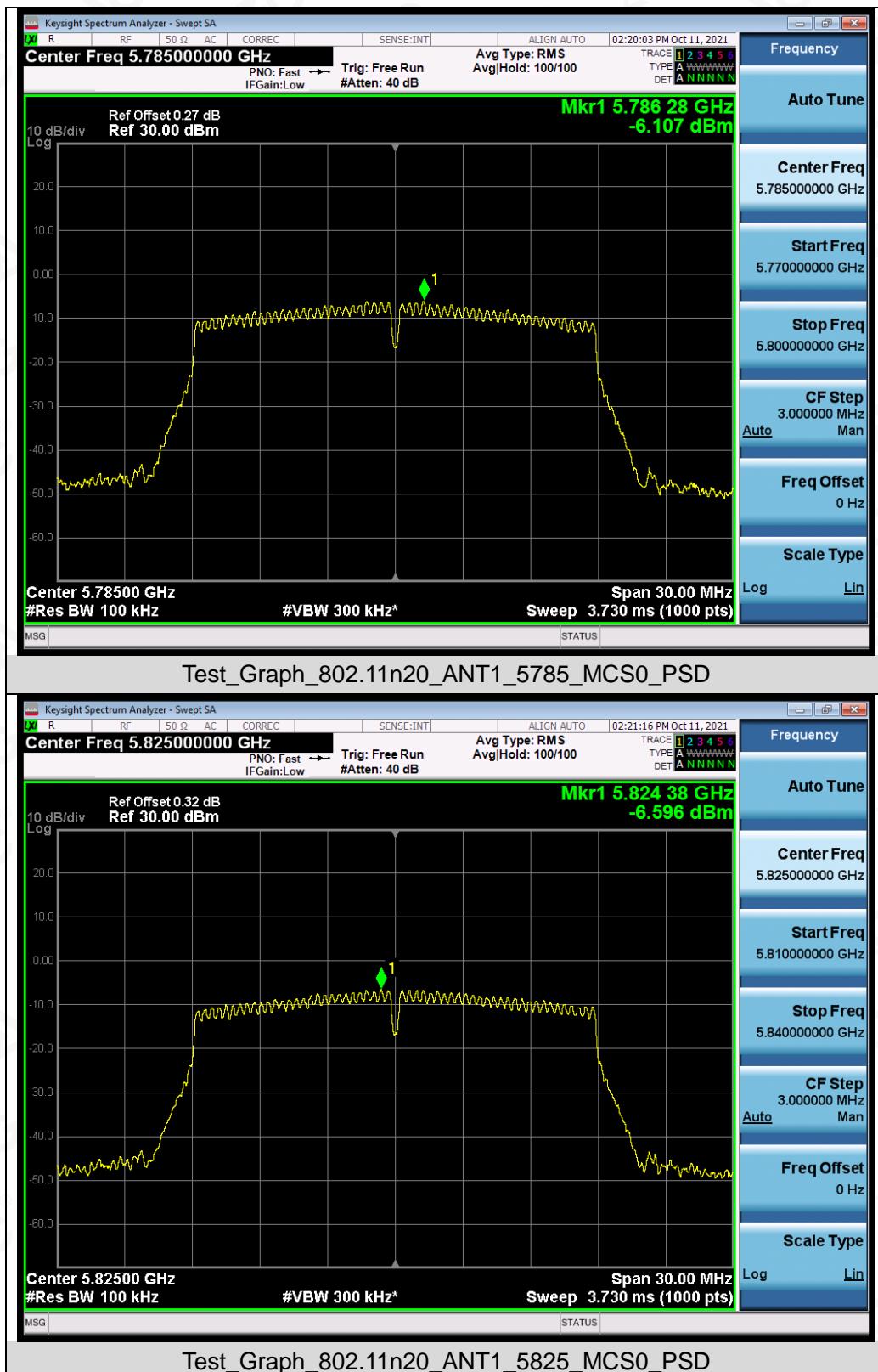
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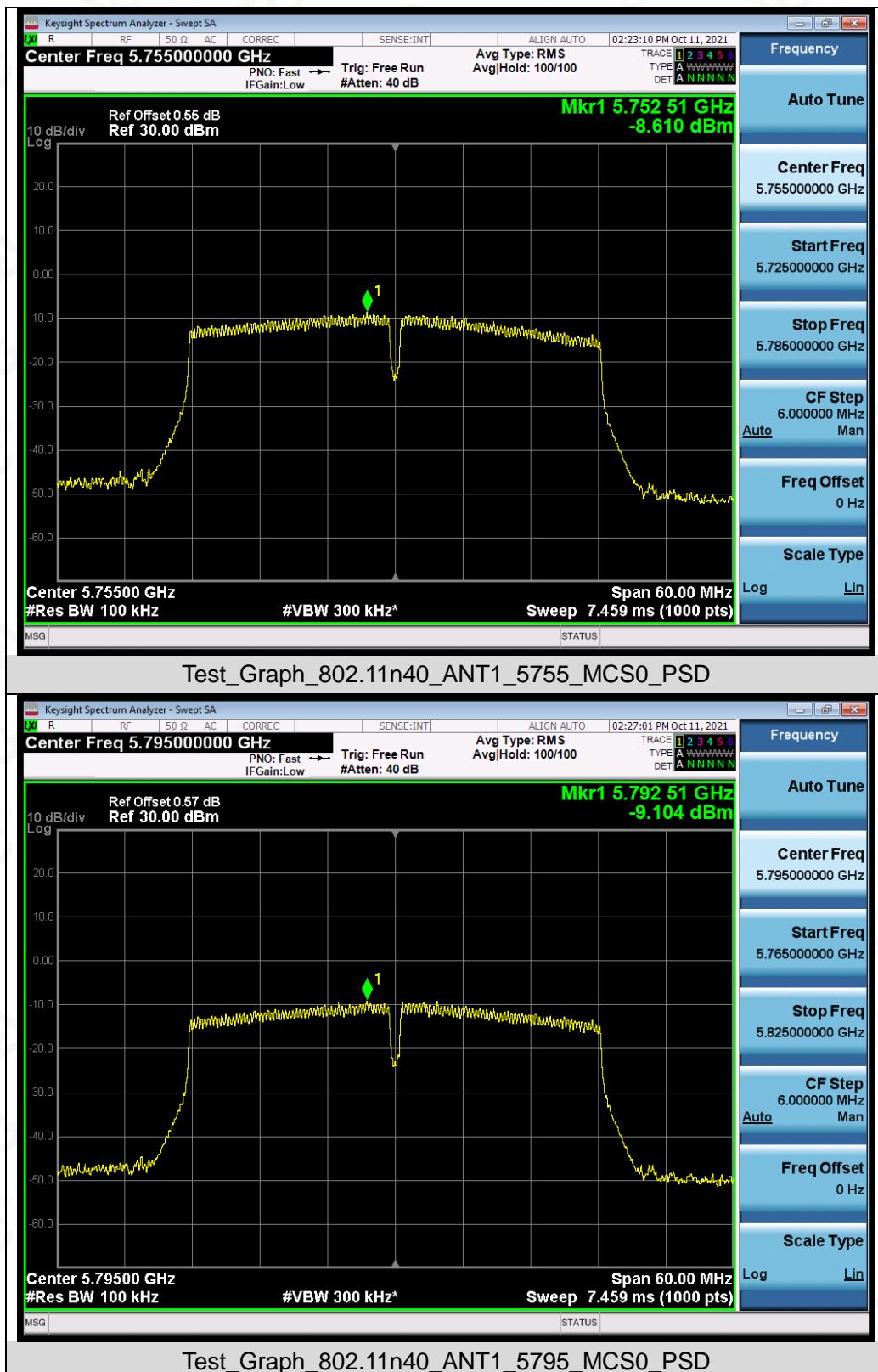
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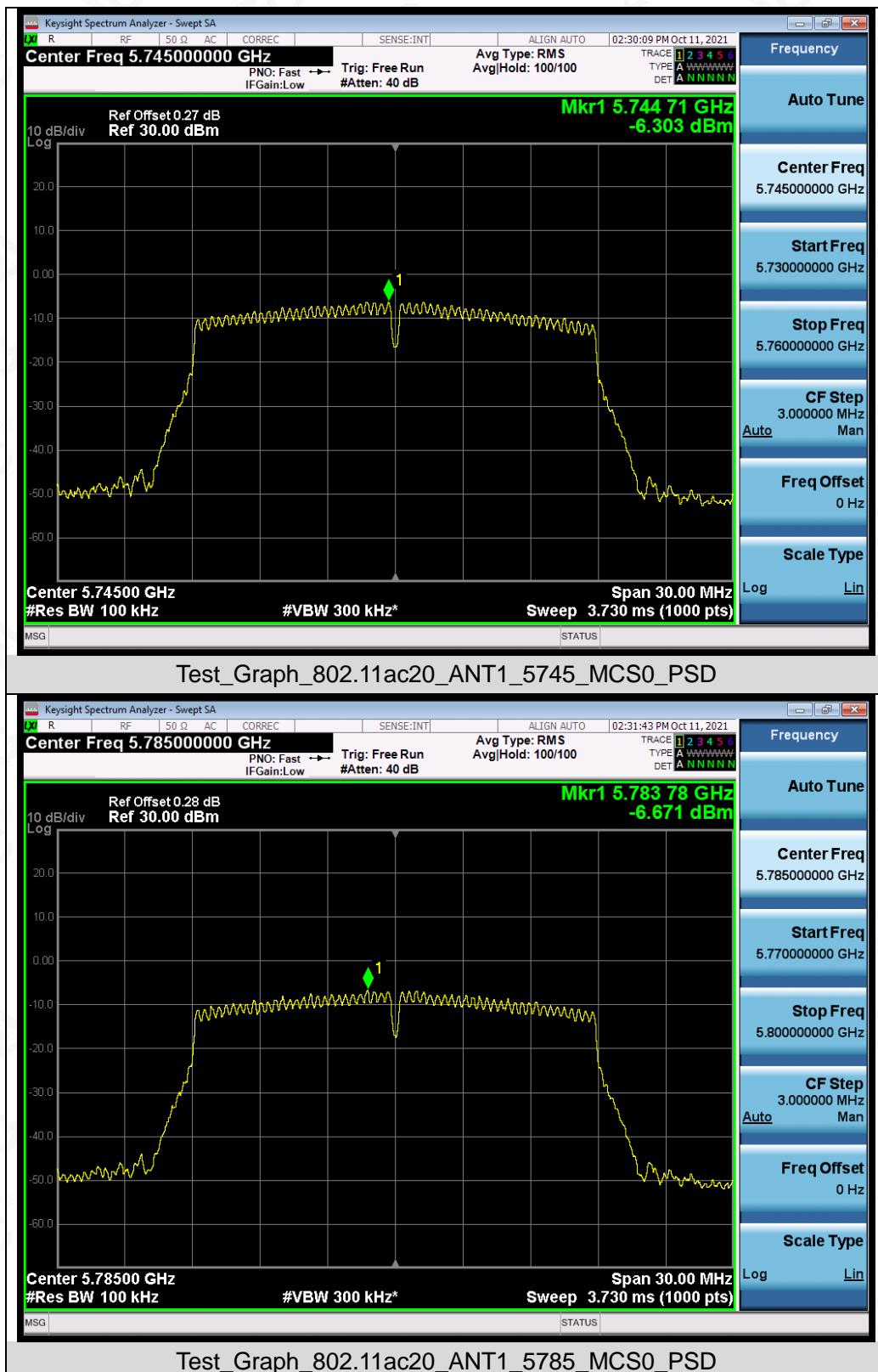
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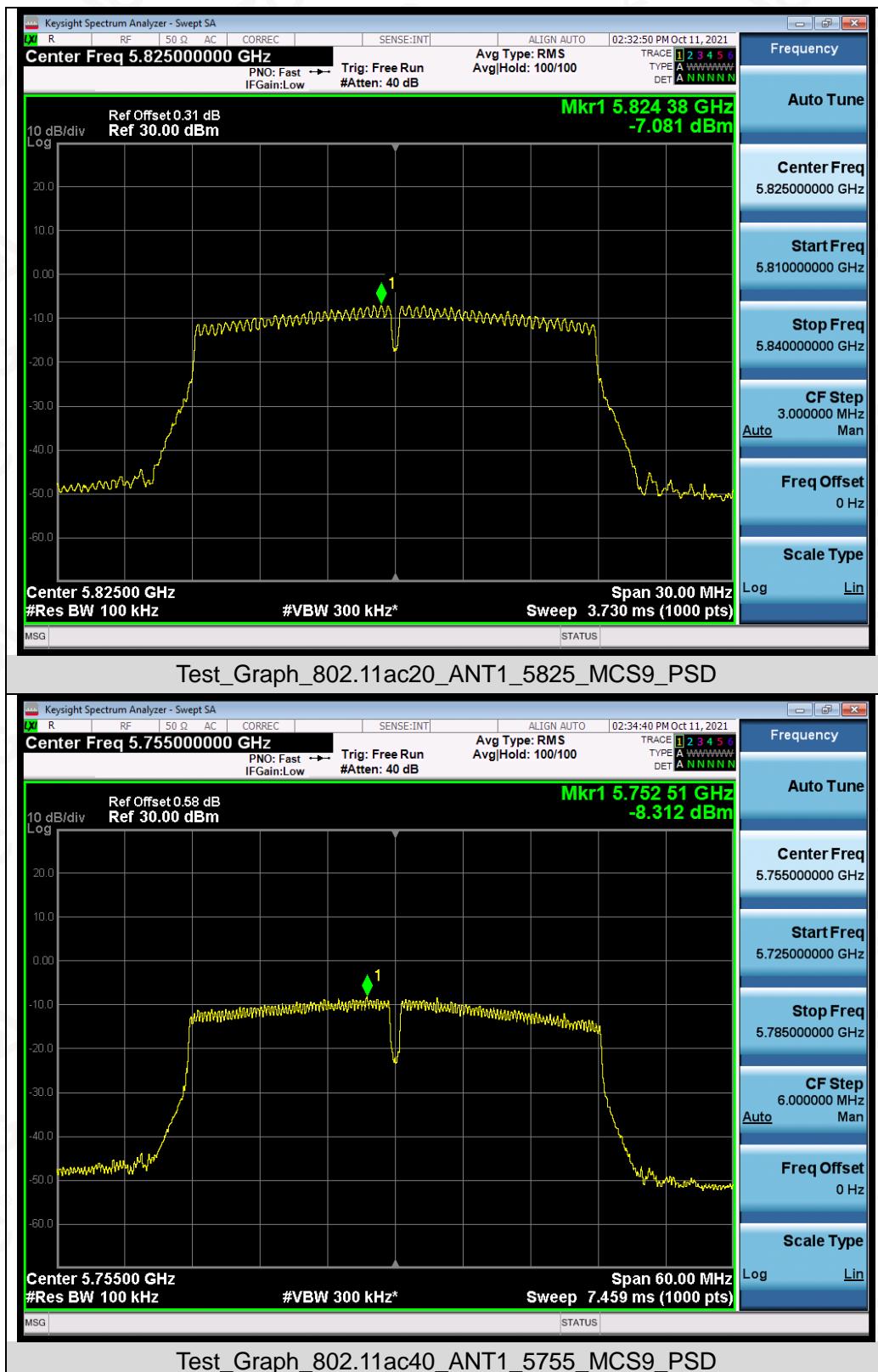
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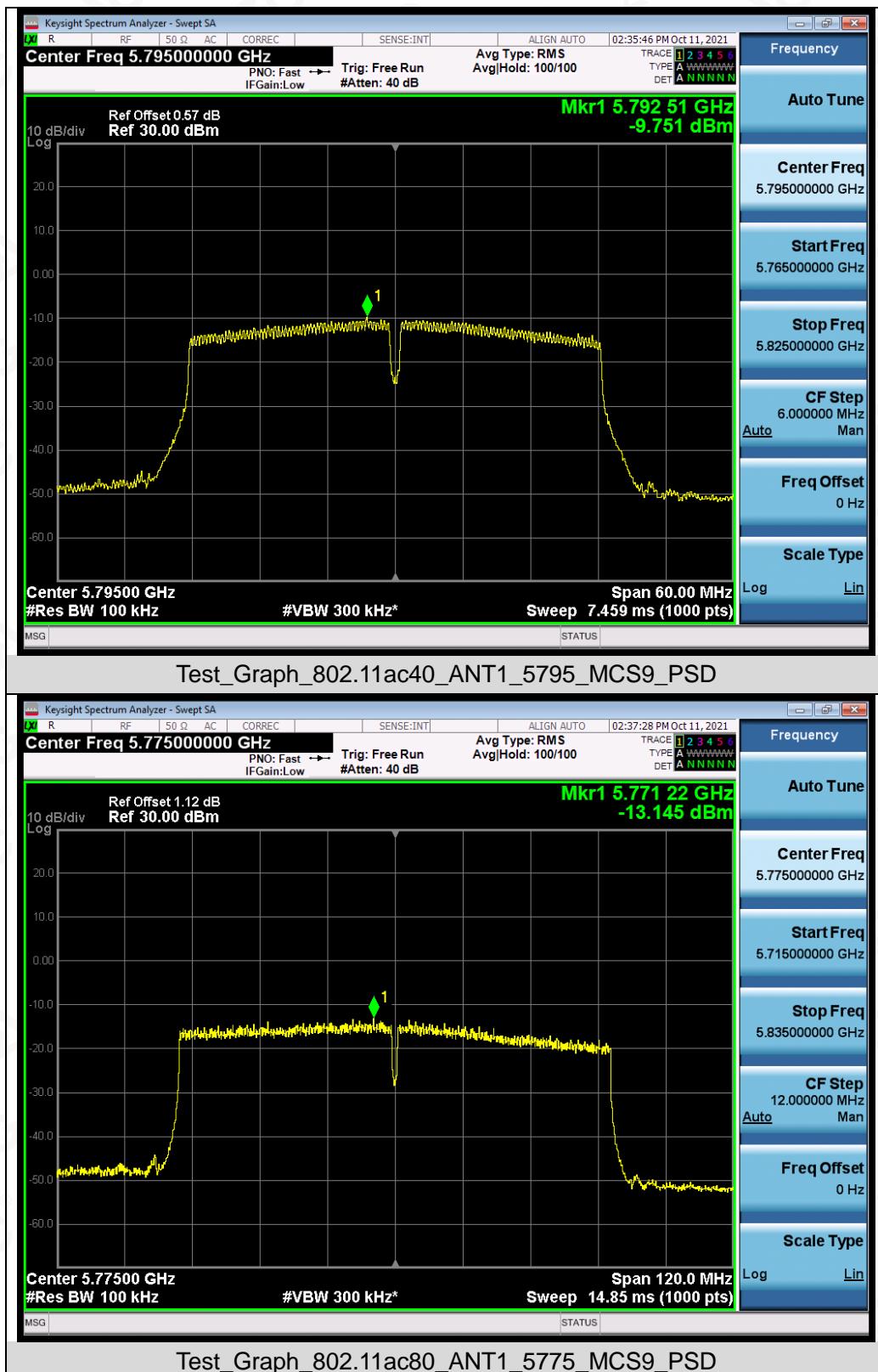
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10. CONDUCTED SPURIOUS EMISSION

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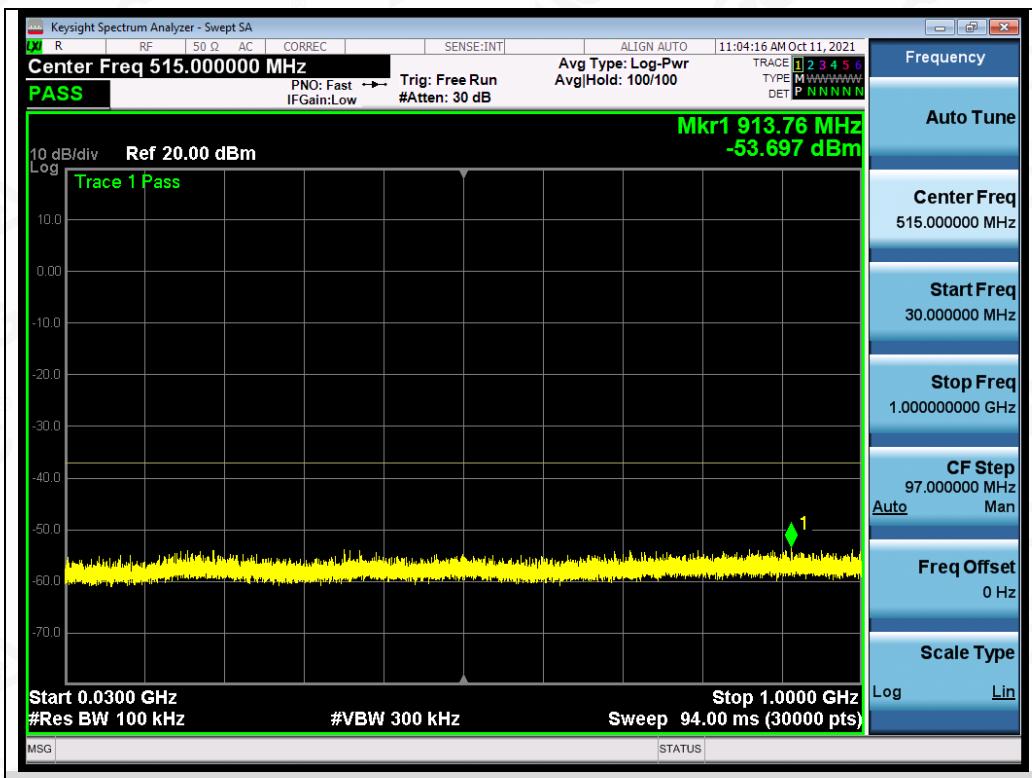
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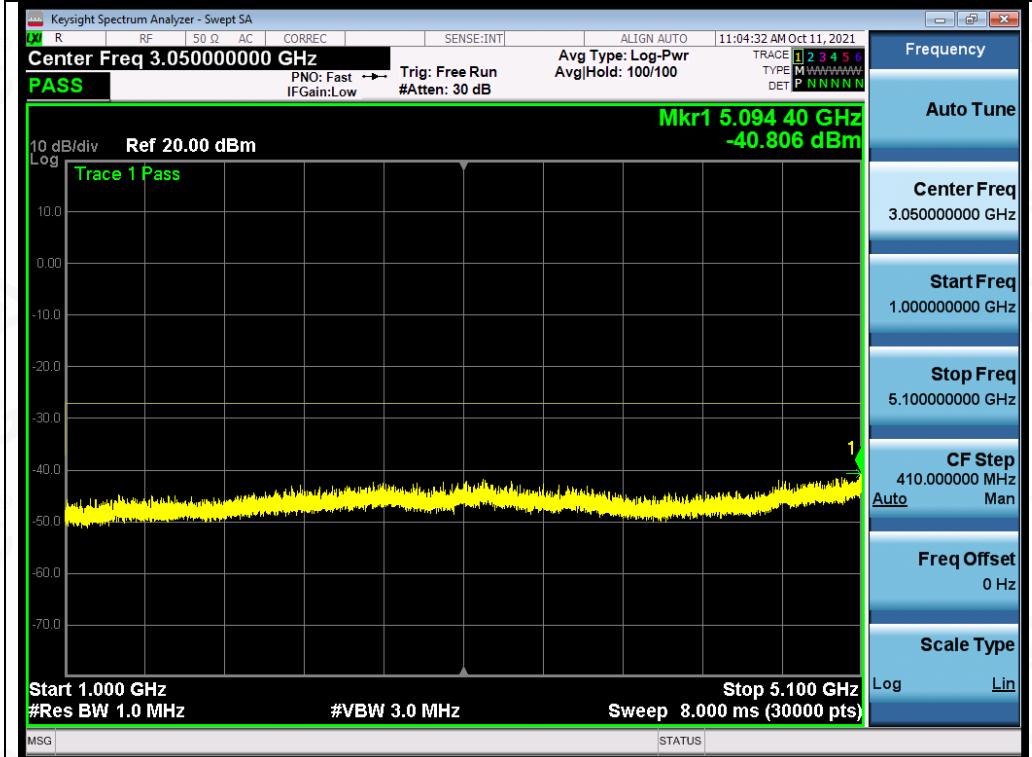
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Test Graphs of Spurious Emissions outside of the 5.15-5.35 GHz band for transmitters operating in the 5.15-5.25 GHz band



Test_Graph_802.11a_ANT1_5180_6Mbps_Frequency Band 1



Test_Graph_802.11a_ANT1_5180_6Mbps_Frequency Band 2

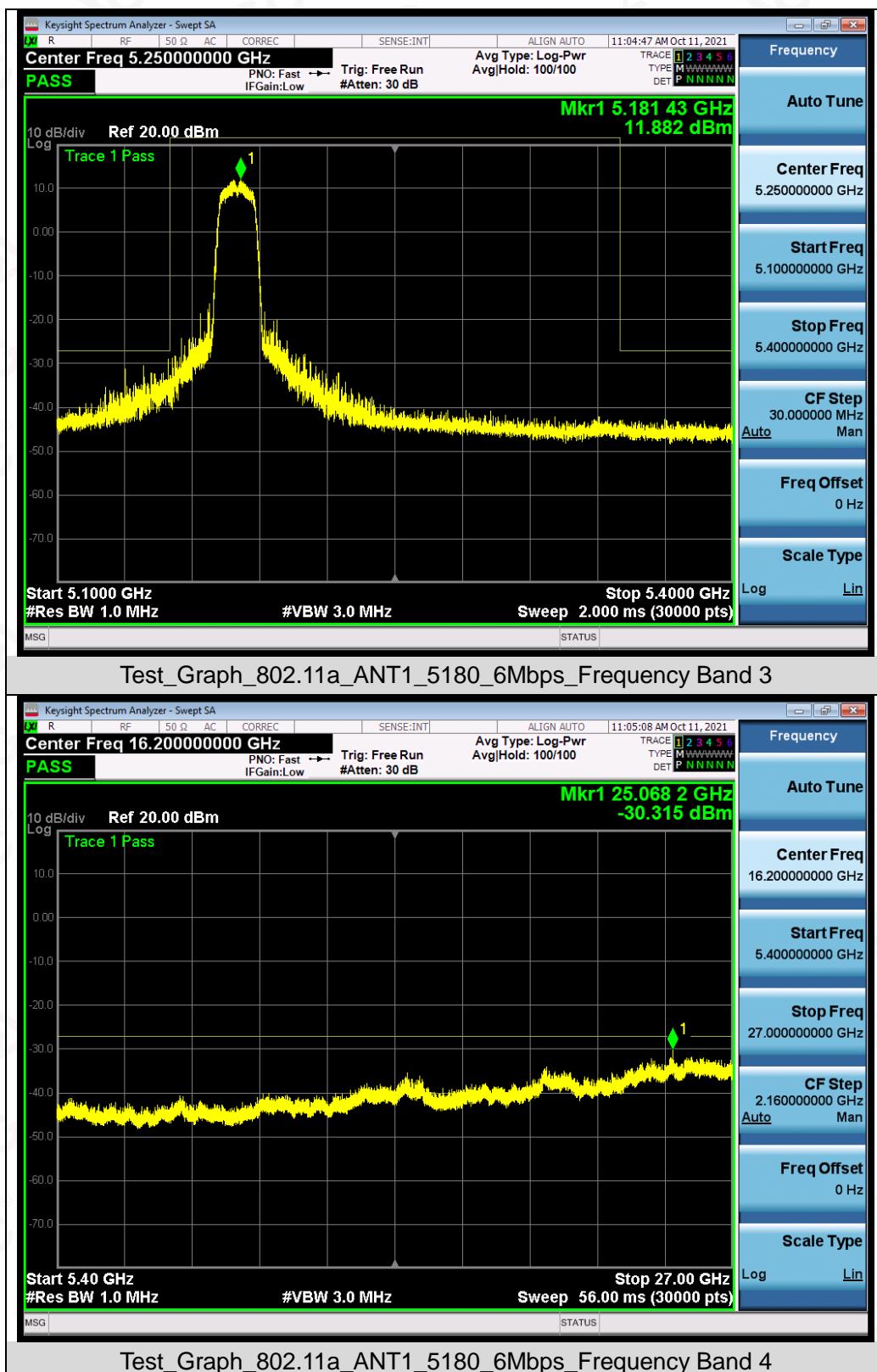
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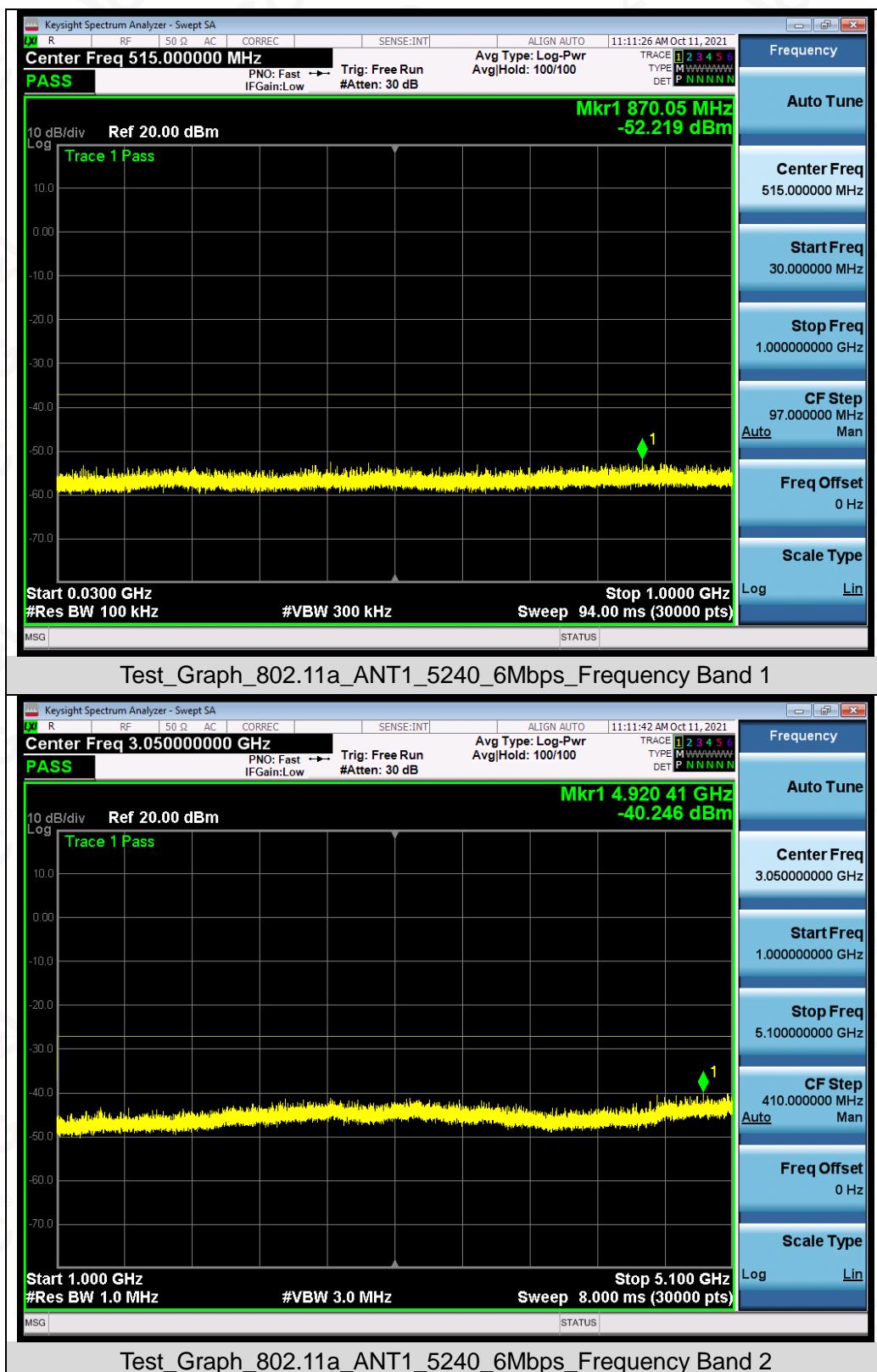
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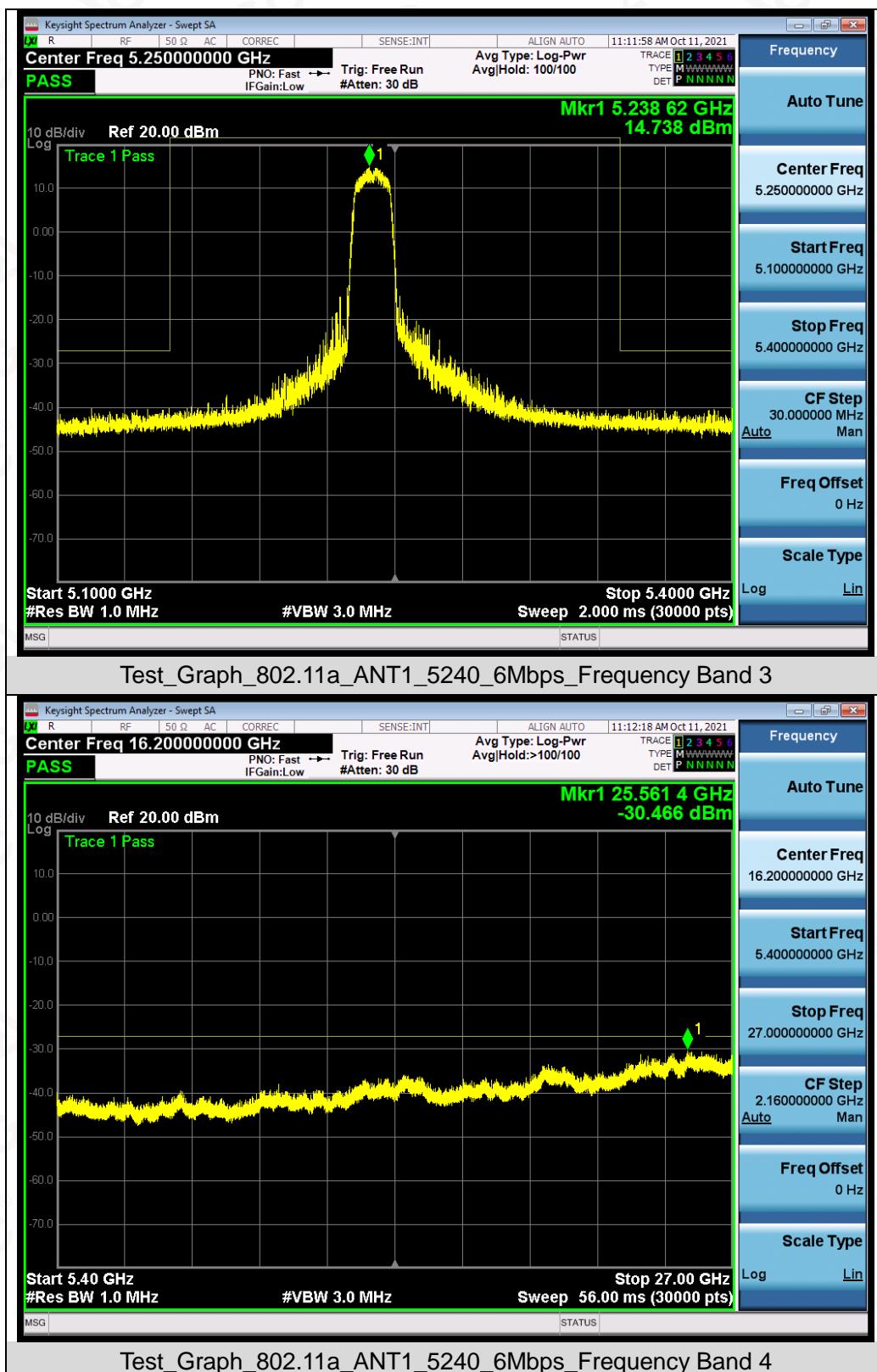
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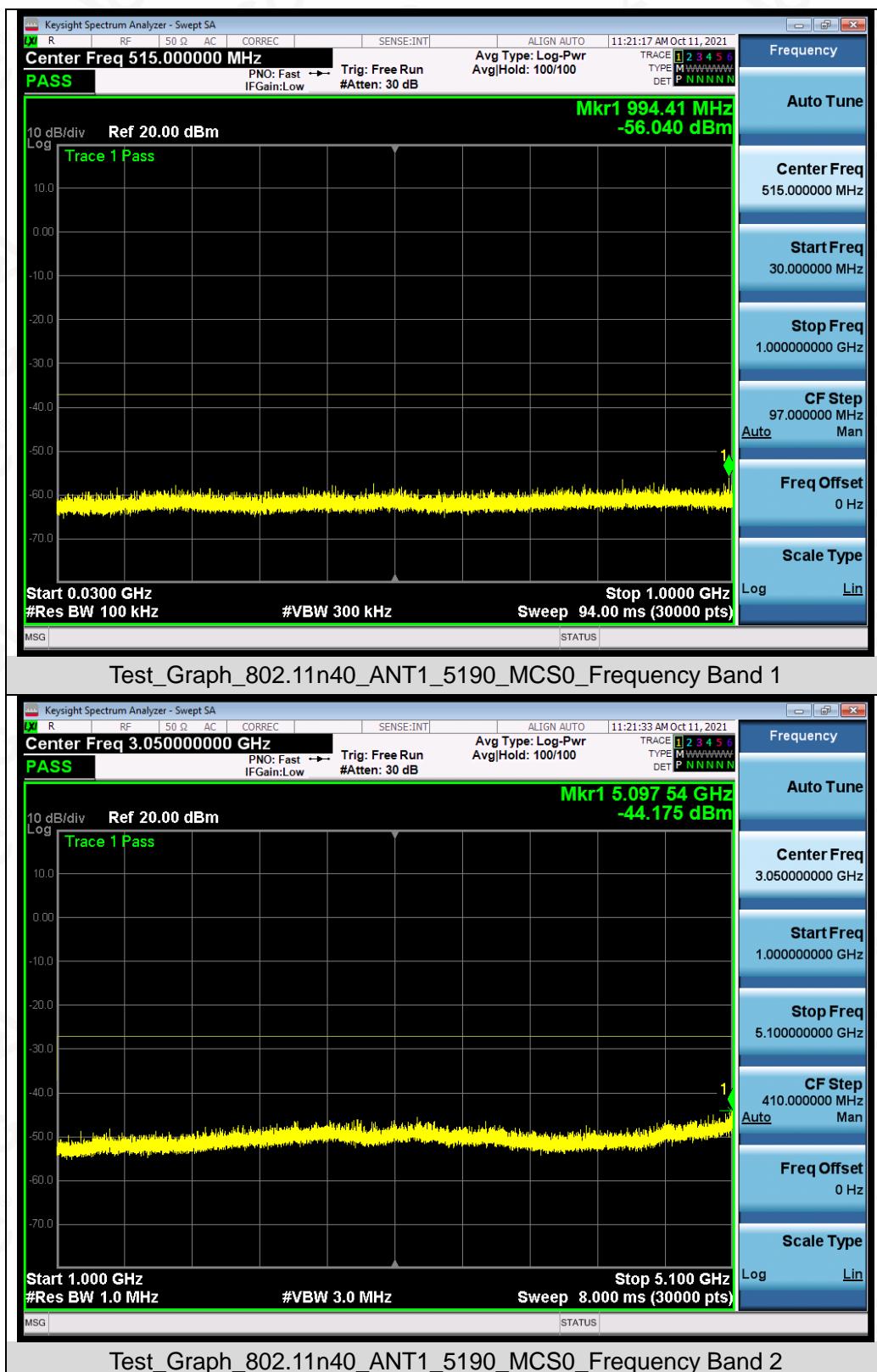
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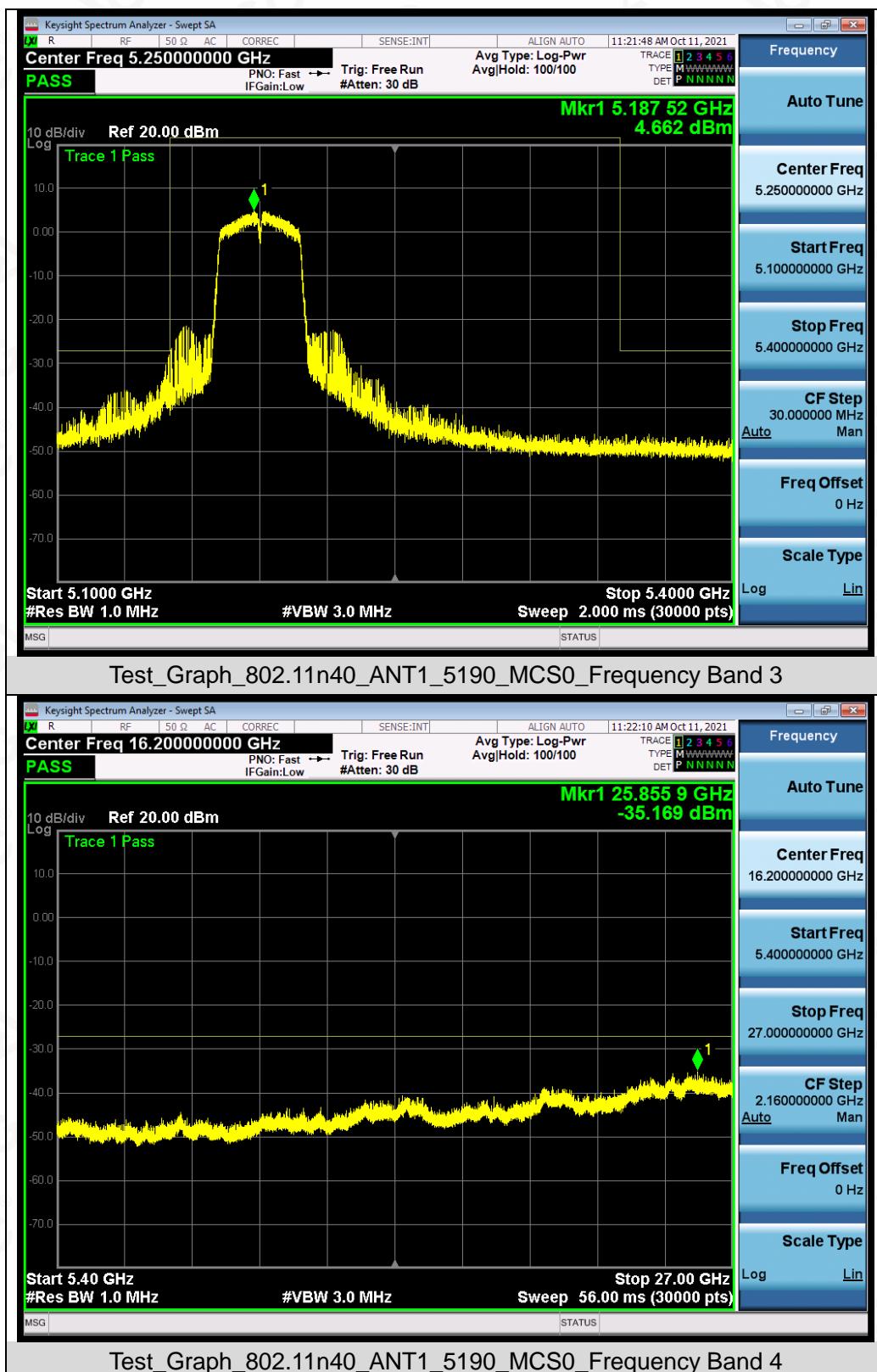
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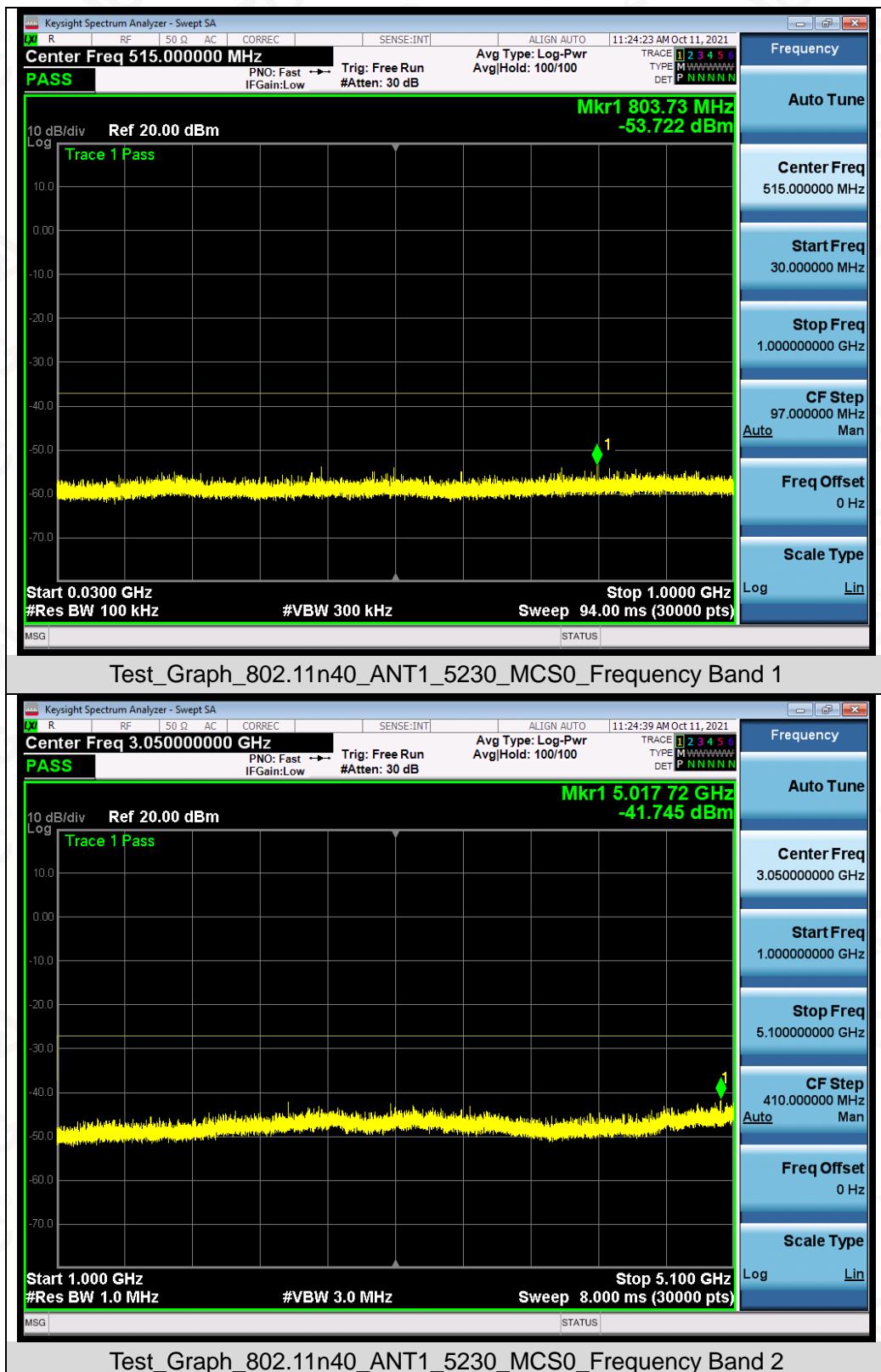
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