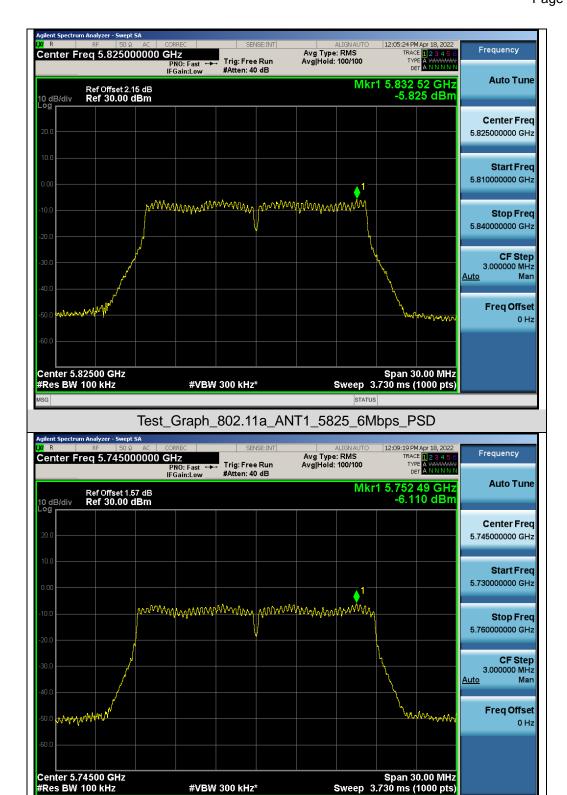


Test Graphs of Conducted Output Power Spectral Density for band 5.725-5.85 GHz



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Test_Graph_802.11n20_ANT1_5745_MCS0_PSD





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Test_Graph_802.11n20_ANT1_5825_MCS0_PSD

#VBW 300 kHz*

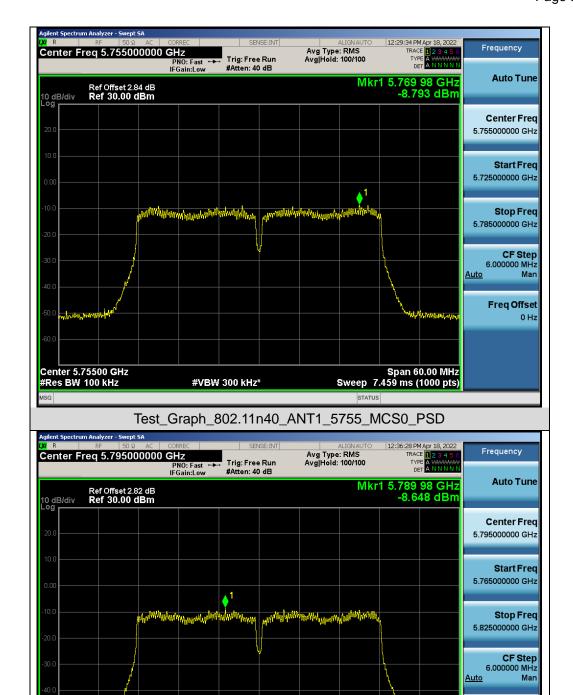
Span 30.00 MHz Sweep 3.730 ms (1000 pts)

Center 5.82500 GHz #Res BW 100 kHz

Freq Offset

Span 60.00 MHz Sweep 7.459 ms (1000 pts)





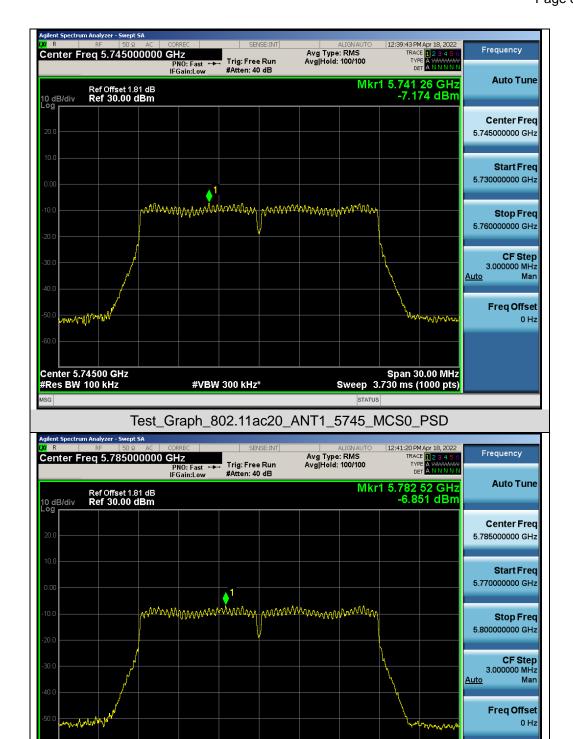
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Test_Graph_802.11n40_ANT1_5795_MCS0_PSD

#VBW 300 kHz*

Center 5.79500 GHz #Res BW 100 kHz





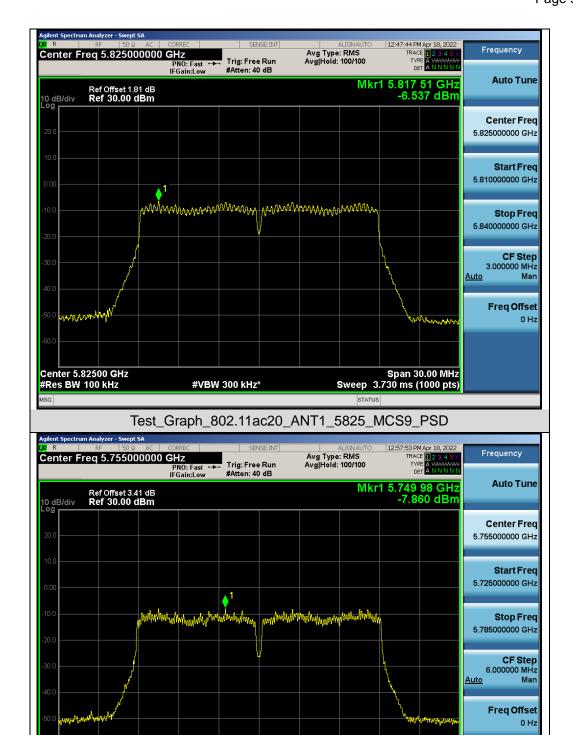
Test_Graph_802.11ac20_ANT1_5785_MCS0_PSD

#VBW 300 kHz*

Span 30.00 MHz Sweep 3.730 ms (1000 pts)

Center 5.78500 GHz #Res BW 100 kHz





Test_Graph_802.11ac40_ANT1_5755_MCS9_PSD

#VBW 300 kHz*

Span 60.00 MHz Sweep 7.459 ms (1000 pts)

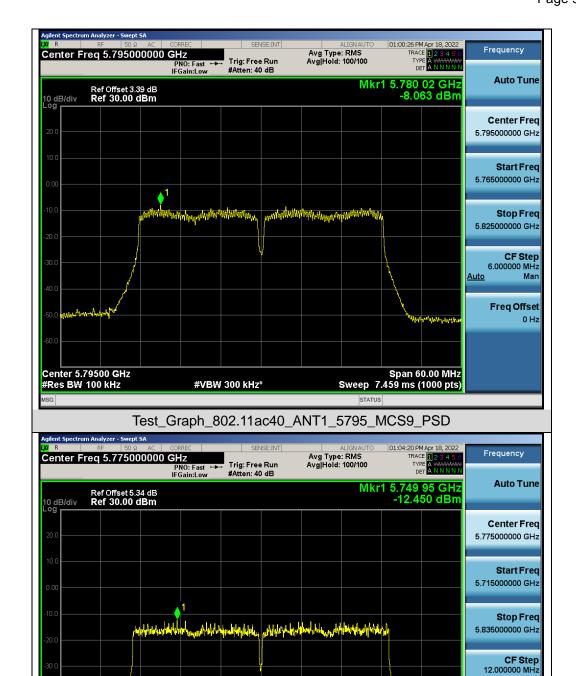
Center 5.75500 GHz #Res BW 100 kHz

Auto

Span 120.0 MHz Sweep 14.85 ms (1000 pts) Man

Freq Offset





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Test_Graph_802.11ac80_ANT1_5775_MCS9_PSD

#VBW 300 kHz*

Center 5.77500 GHz #Res BW 100 kHz



Report No.: AGC10232220302FE06

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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

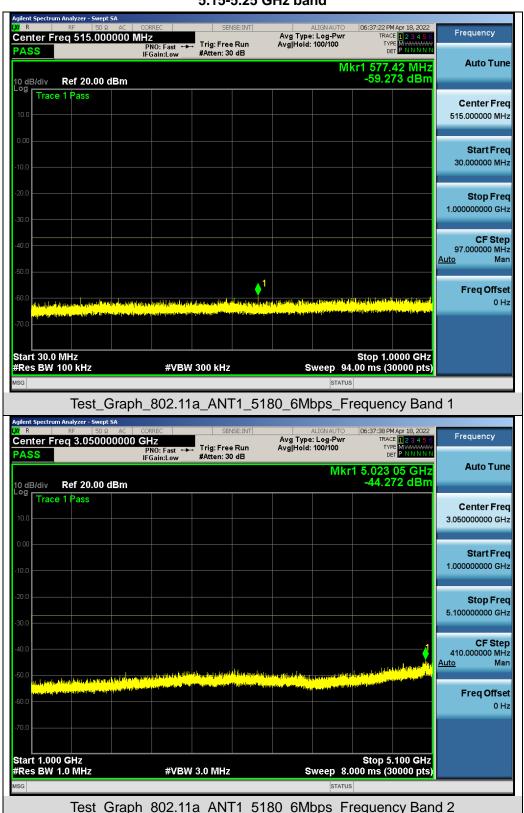
LIMITS AND MEASUREMENT RESULT		
Applicable Limits	Measurement Result	
	Test channel	Criteri
-27dBm/MHz	5150MHz-5250MH	PASS
All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above	Z	17100
or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band 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-5850MH z	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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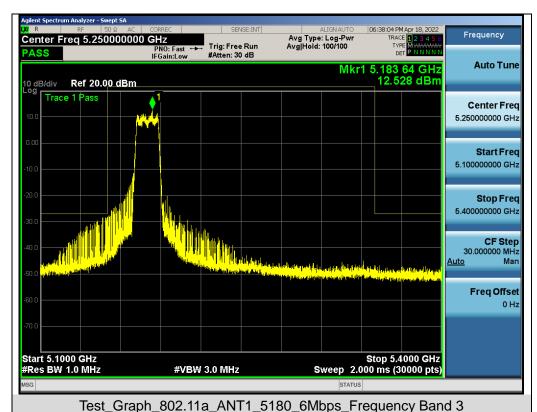


Test Graphs of Spurious Emissions outside of the 5.15-5.35 GHz band for transmitters operating in the 5.15-5.25 GHz band



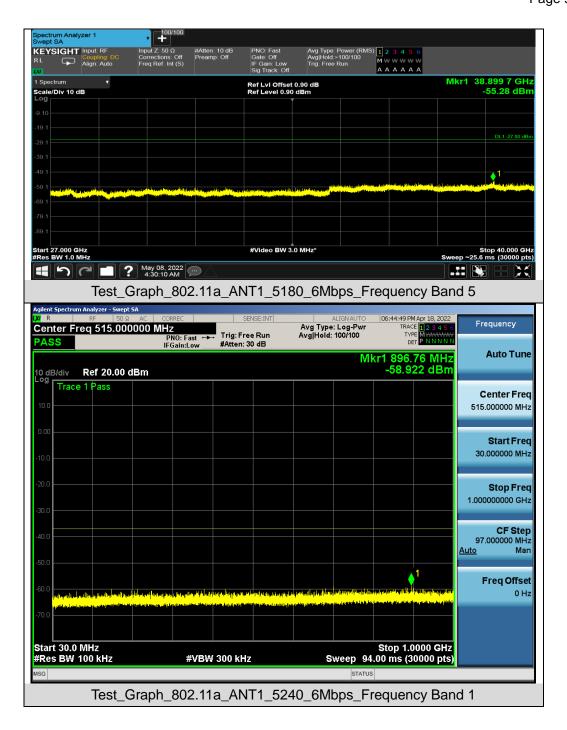
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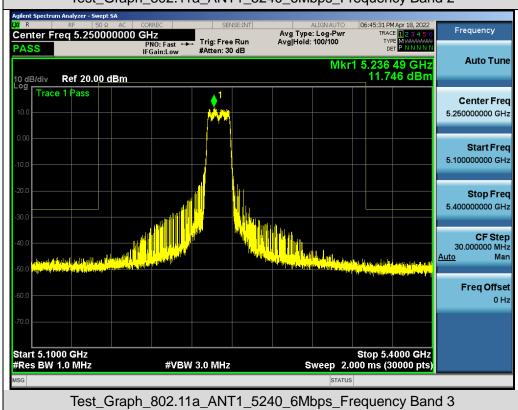
06:38:30 PM Apr 18, 2022 Frequency Center Freq 16.200000000 GHz Trig: Free Run #Atten: 30 dB PNO: Fast →→ IFGain:Low PASS **Auto Tune** Mkr1 25.332 4 GHz -37.620 dBm 10 dB/div Ref 20.00 dBm Trace 1 Center Frea 16.200000000 GHz Start Freq 5 400000000 GHz Stop Frea 27.000000000 GHz 2.160000000 GHz Man Auto Freq Offset Start 5.40 GHz #Res BW 1.0 MHz Stop 27.00 GHz Sweep 56.00 ms (30000 pts) #VBW 3.0 MHz Test_Graph_802.11a_ANT1_5180_6Mbps_Frequency Band 4



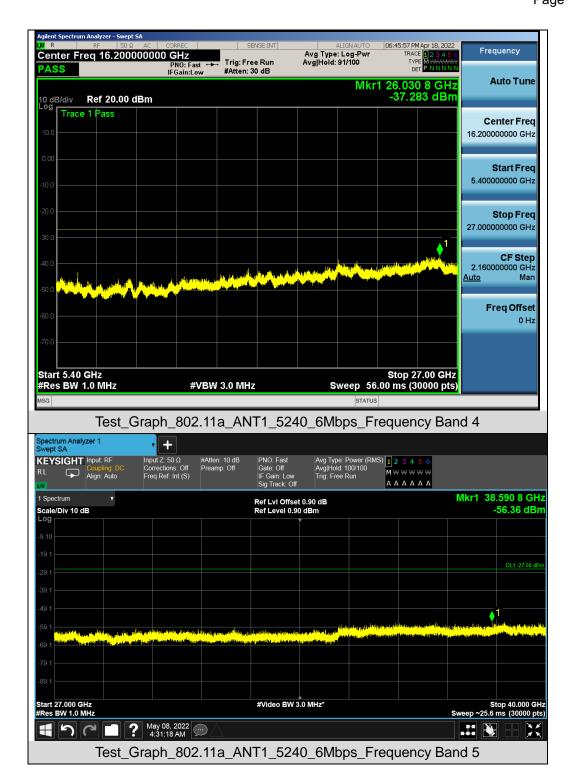




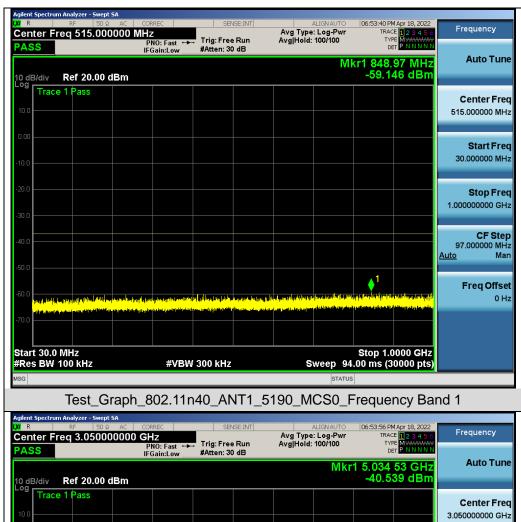




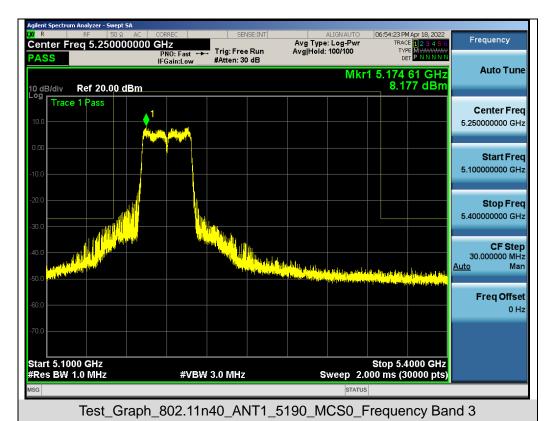










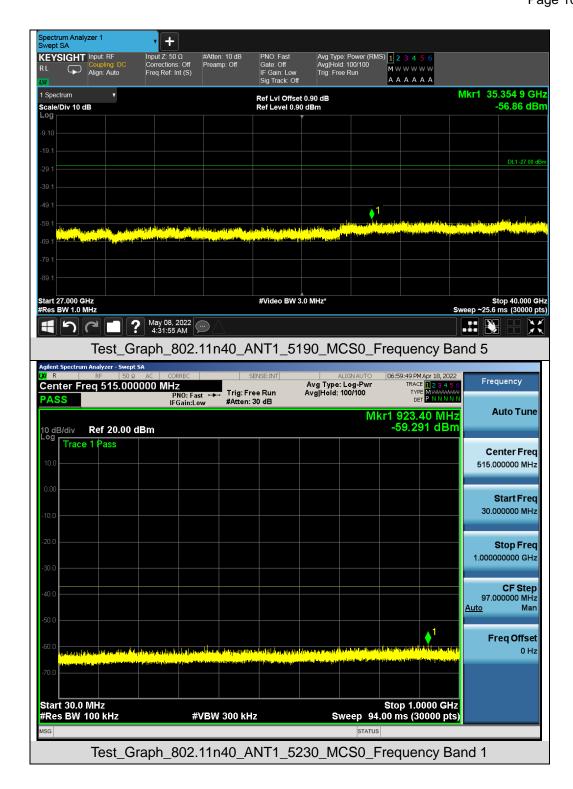


06:54:48 PM Apr 18, 2022 Avg Type: Log-Pwr Avg|Hold: 92/100 Frequency Center Freq 16.200000000 GHz Trig: Free Run #Atten: 30 dB PNO: Fast →→ IFGain:Low PASS **Auto Tune** Mkr1 26.070 4 GHz -36.722 dBm 10 dB/div Ref 20.00 dBm Trace 1 Center Frea 16.200000000 GHz Start Freq 5 400000000 GHz Stop Frea 27.000000000 GHz 2.160000000 GHz Man Auto Freq Offset Start 5.40 GHz #Res BW 1.0 MHz Stop 27.00 GHz Sweep 56.00 ms (30000 pts) #VBW 3.0 MHz

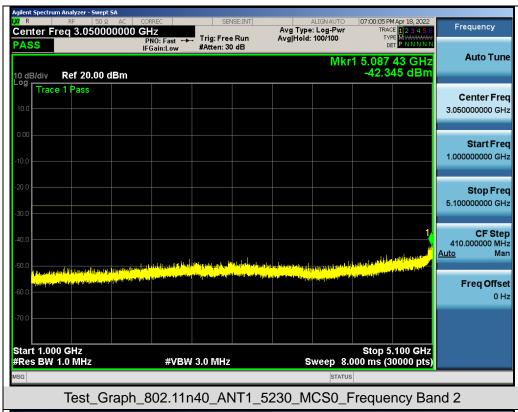
Test_Graph_802.11n40_ANT1_5190_MCS0_Frequency Band 4

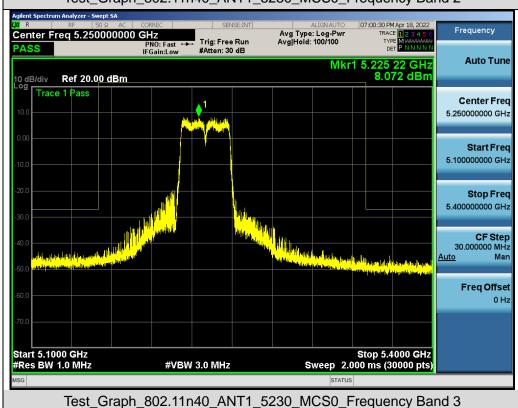
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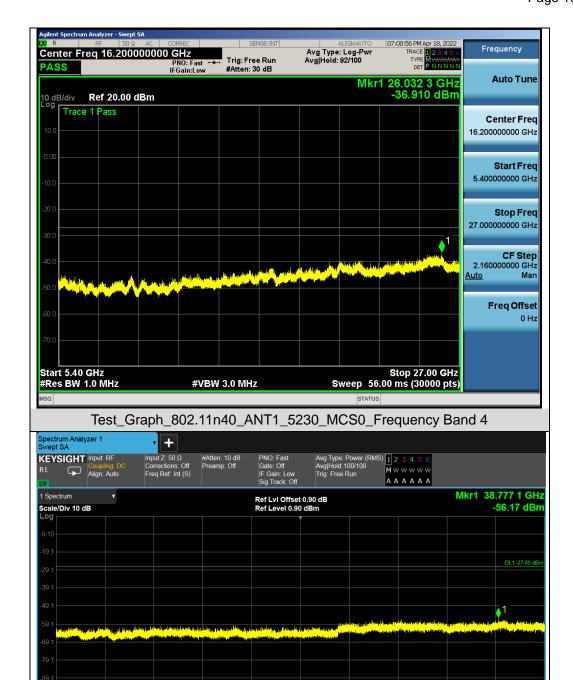






Stop 40.000 GHz Sweep ~25.6 ms (30000 pts)





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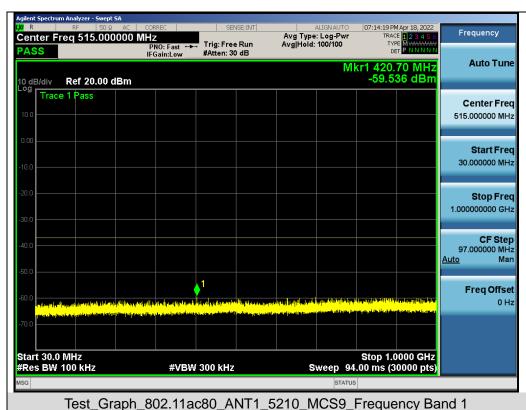
#Video BW 3.0 MHz*

Test_Graph_802.11n40_ANT1_5230_MCS0_Frequency Band 5

Start 27.000 GHz #Res BW 1.0 MHz

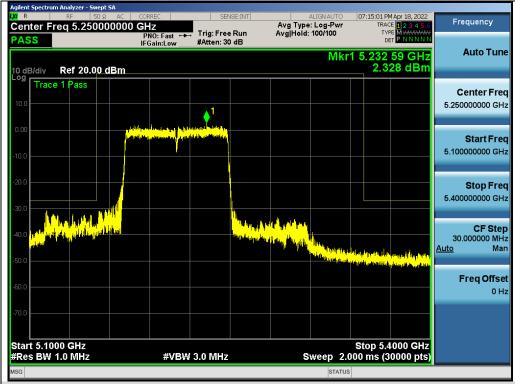
Tel: +86-755 2523 4088 E-mail: agc@agccert.com Web: http://www.agccert.com/





07:14:35 PM Apr 18, 2022 Avg Type: Log-Pw Avg|Hold: 100/100 Frequency Center Freq 3.050000000 GHz Trig: Free Run #Atten: 30 dB PNO: Fast →→ IFGain:Low PASS **Auto Tune** Mkr1 5.058 59 GHz -36.760 dBm 10 dB/div Ref 20.00 dBm Trace 1 Center Frea 3.050000000 GHz Start Freq 1 000000000 GHz Stop Frea 5.100000000 GHz **CF Step** 410.000000 MHz Man Auto Freq Offset Start 1.000 GHz #Res BW 1.0 MHz Stop 5.100 GHz Sweep 8.000 ms (30000 pts) #VBW 3.0 MHz Test_Graph_802.11ac80_ANT1_5210_MCS9_Frequency Band 2

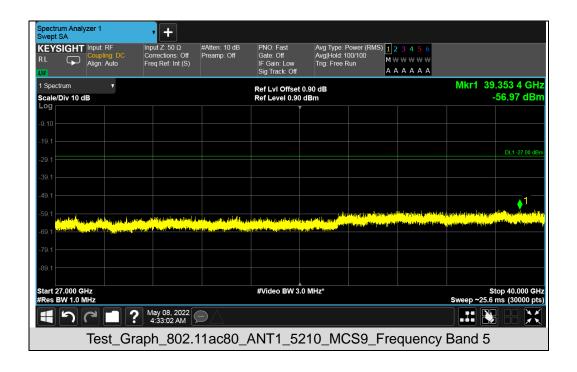




Test_Graph_802.11ac80_ANT1_5210_MCS9_Frequency Band 3

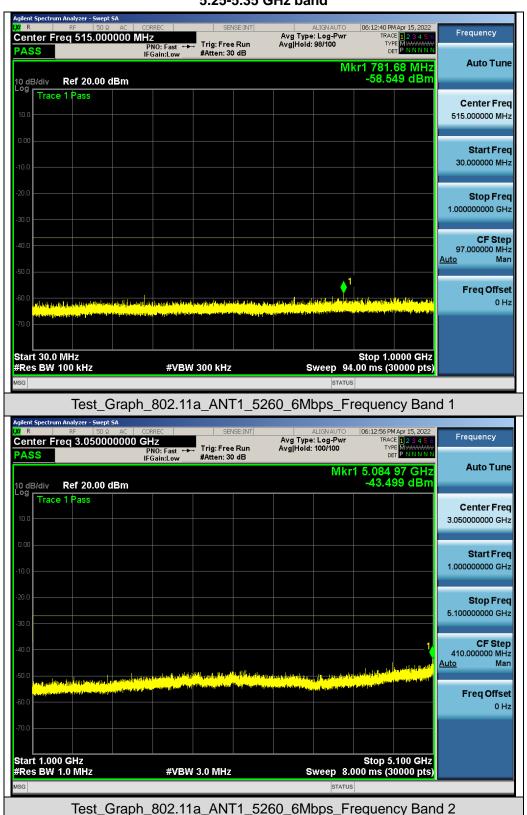






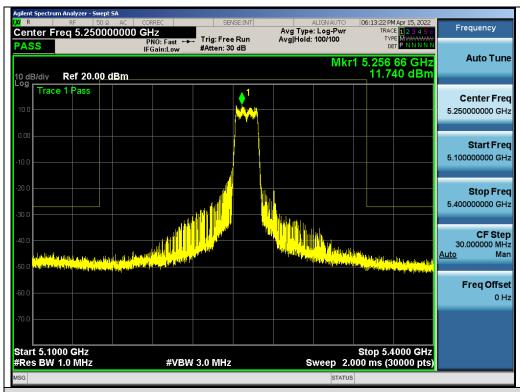


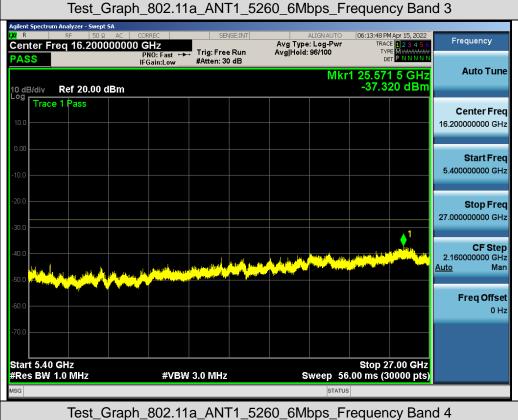
Test Graphs of Spurious Emissions outside of the 5.15-5.35 GHz band for transmitters operating in the 5.25-5.35 GHz band



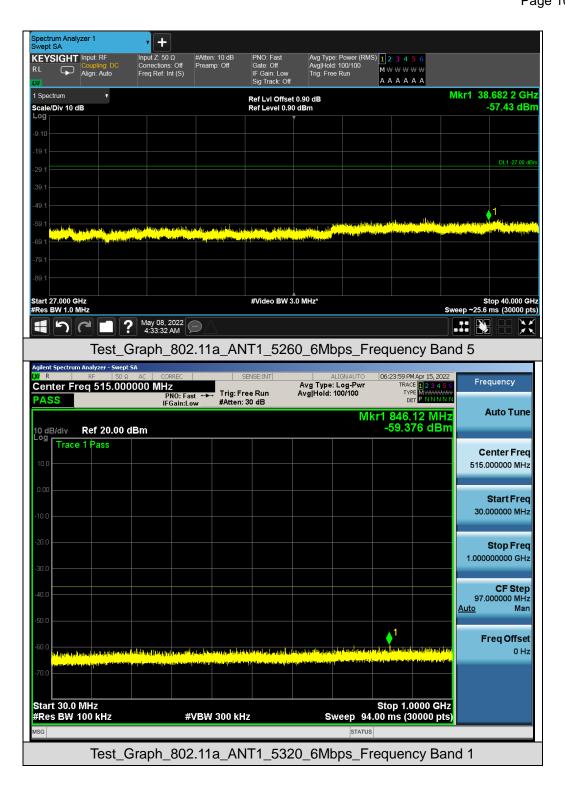
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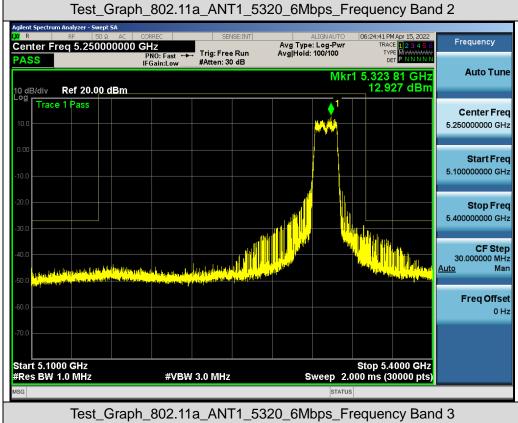




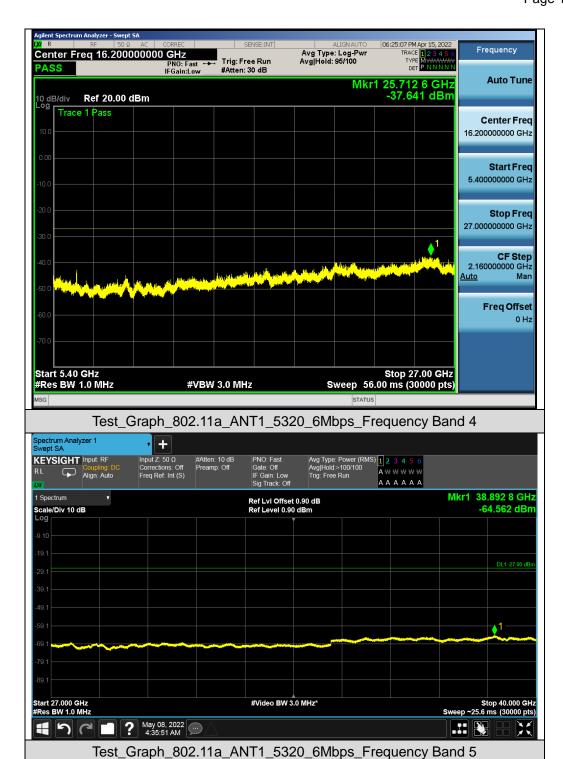




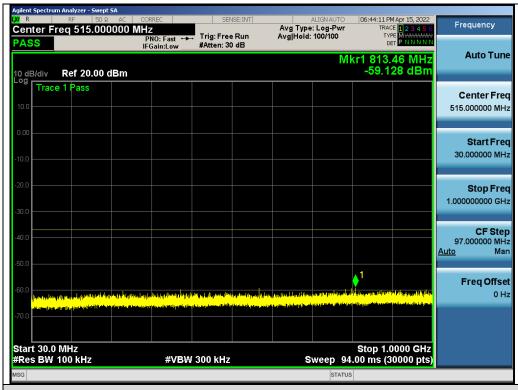


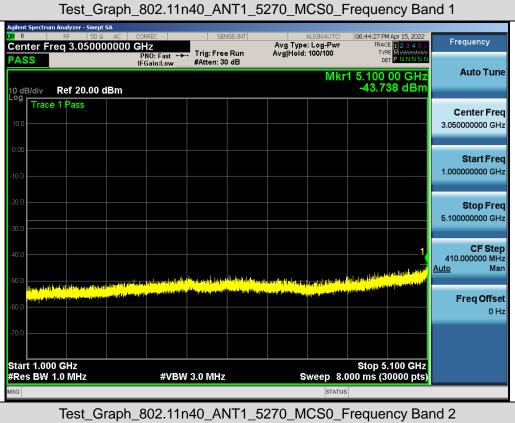






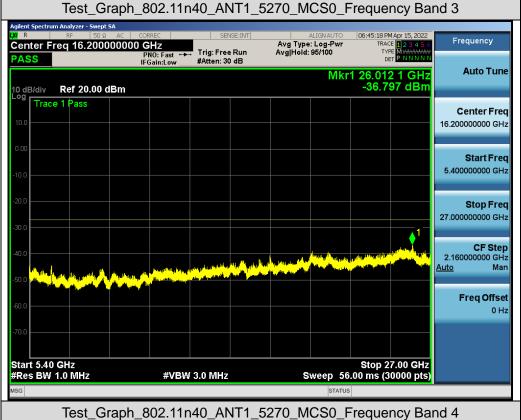




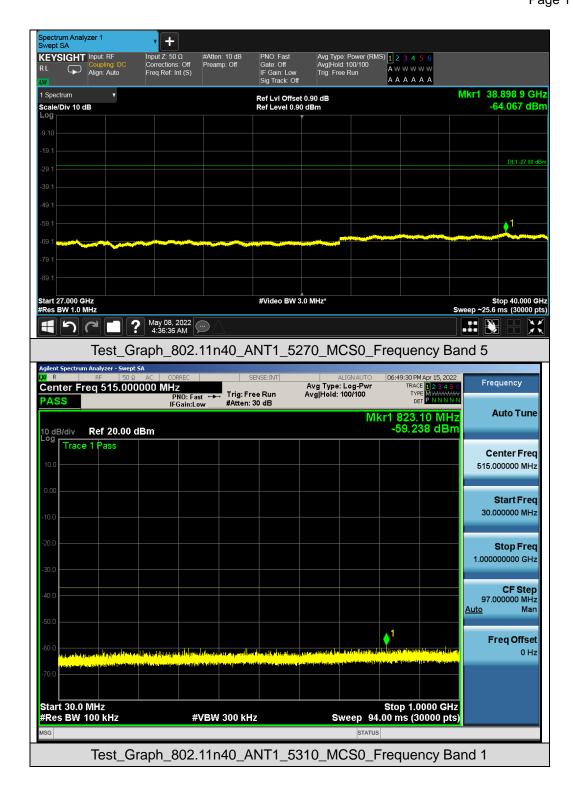




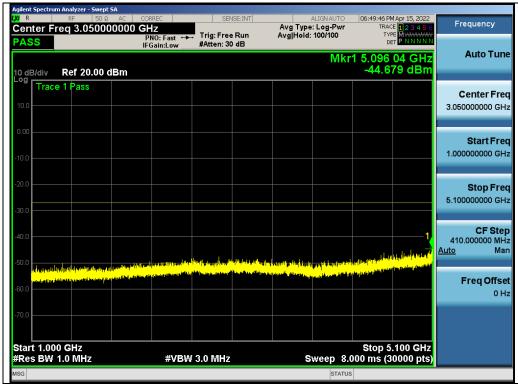


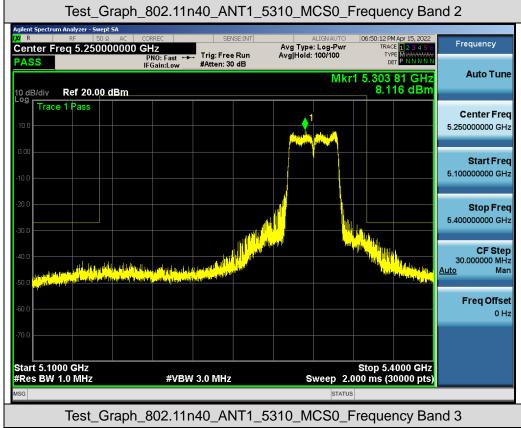




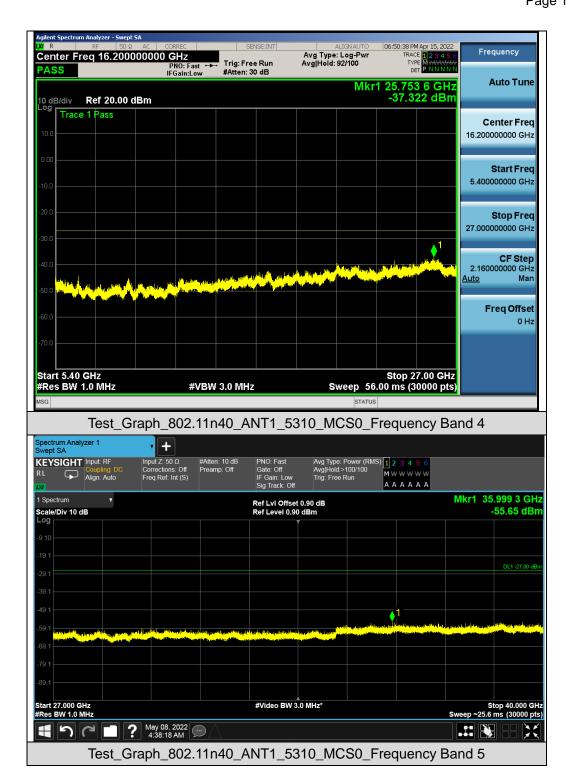




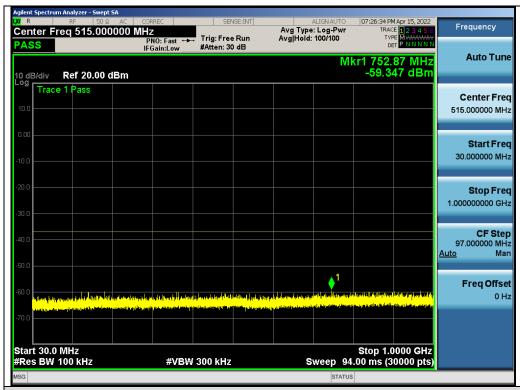


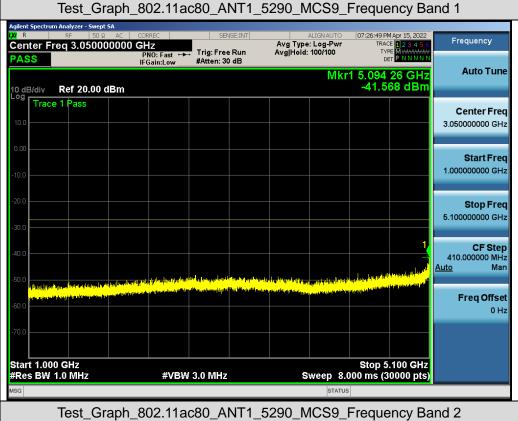










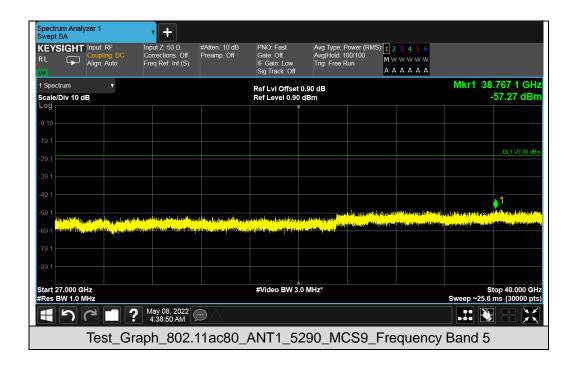


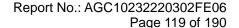






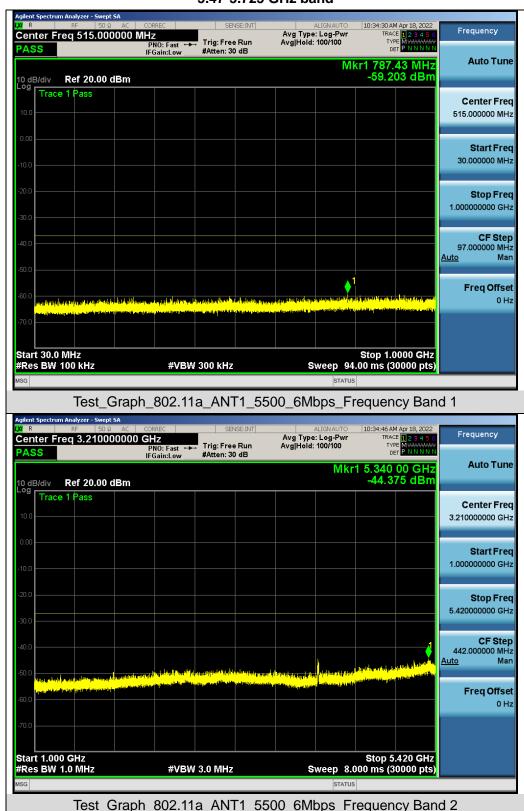






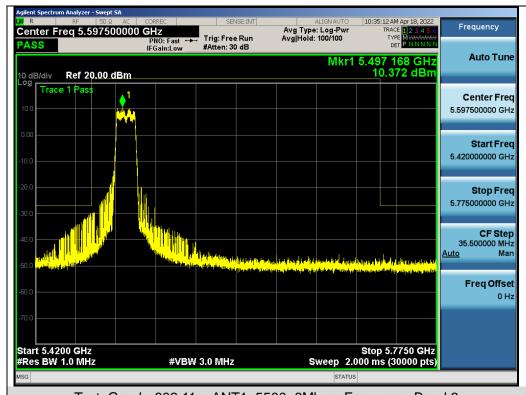


Test Graphs of Spurious Emissions outside of the 5.47-5.725 GHz band for transmitters operating in the 5.47-5.725 GHz band



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Test_Graph_802.11a_ANT1_5500_6Mbps_Frequency Band 3

