

Test_Graph_802.11ac20_ANT1_5700_MCS9_PSD

#VBW 3.0 MHz*

Span 30.00 MHz Sweep 1.066 ms (1000 pts)

Center 5.70000 GHz #Res BW 1.0 MHz









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Test_Graph_802.11ac80_ANT1_5530_MCS9_PSD

#VBW 3.0 MHz*

g/Inspection
The test results
If the test report.

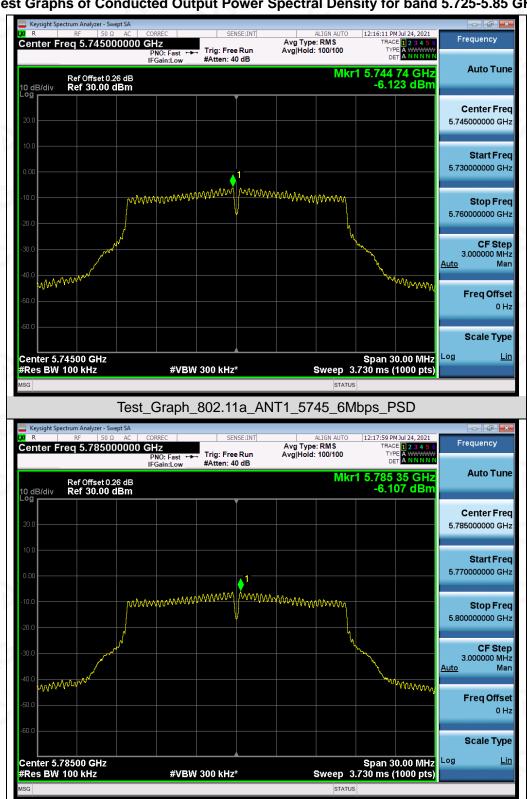




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Test Graphs of Conducted Output Power Spectral Density for band 5.725-5.85 GHz



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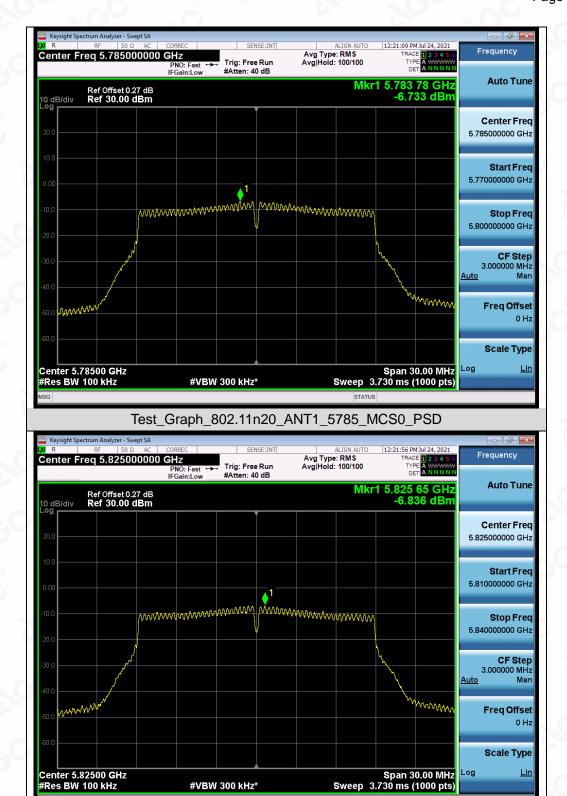
Test_Graph_802.11a_ANT1_5785_6Mbps_PSD





Test_Graph_802.11n20_ANT1_5745_MCS0_PSD





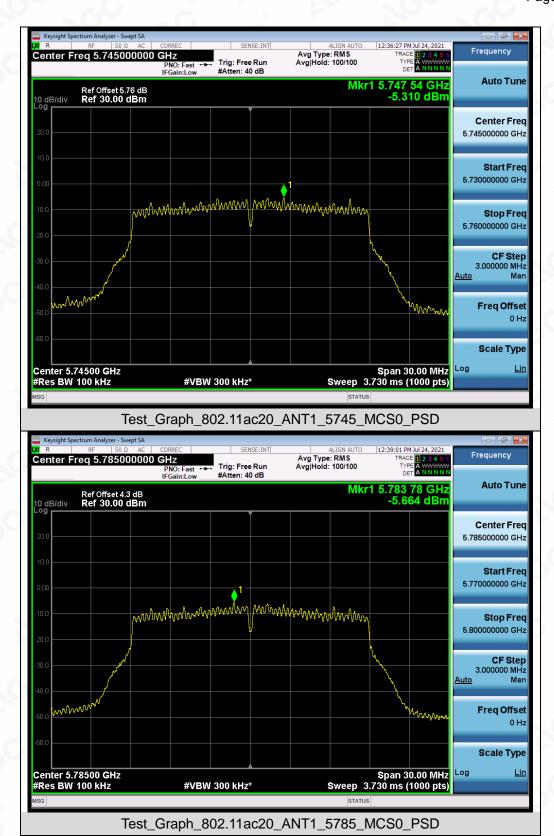
Test_Graph_802.11n20_ANT1_5825_MCS0_PSD



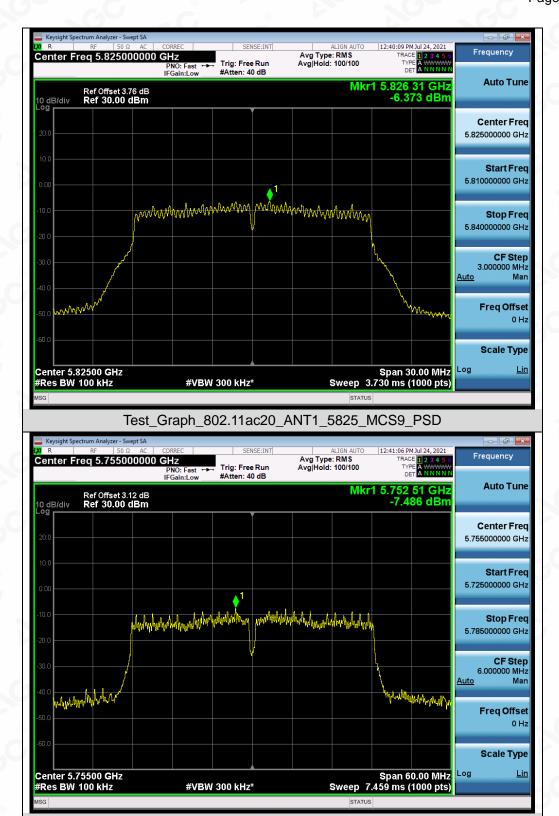






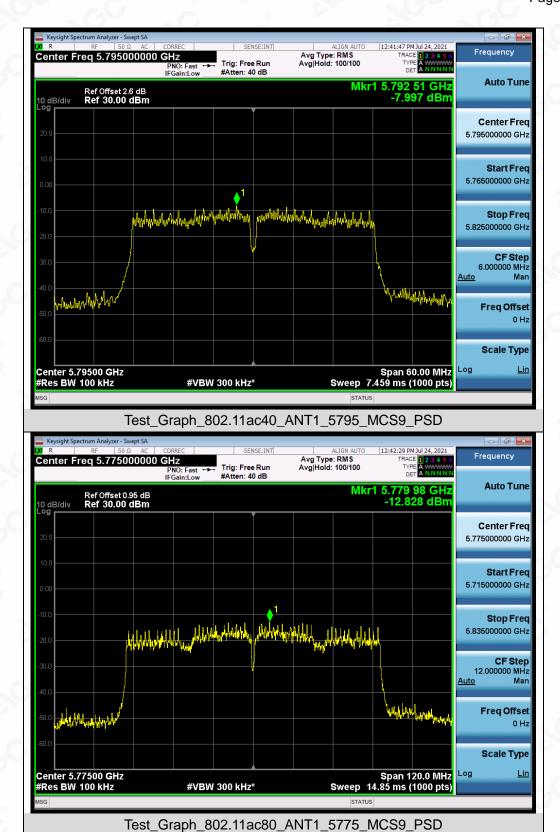






Test_Graph_802.11ac40_ANT1_5755_MCS9_PSD







Report No.: AGC11563210703FE06

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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.

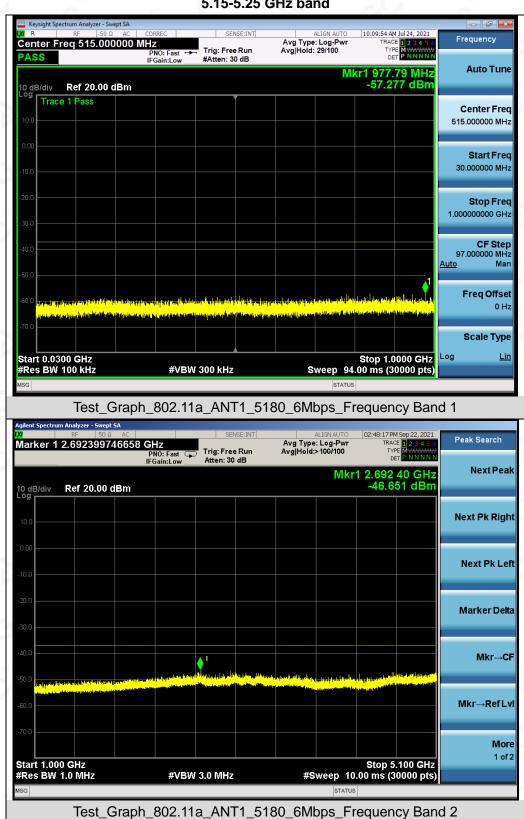
10.4. LIMITS AND MEASUREMENT RESULT

LIMITS AND MEASUREMENT RESULT		
Applicable Limits	Measurement Result	
	Test channel	Criteri a
-27dBm/MHz	5150MHz-5250MH z	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, 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

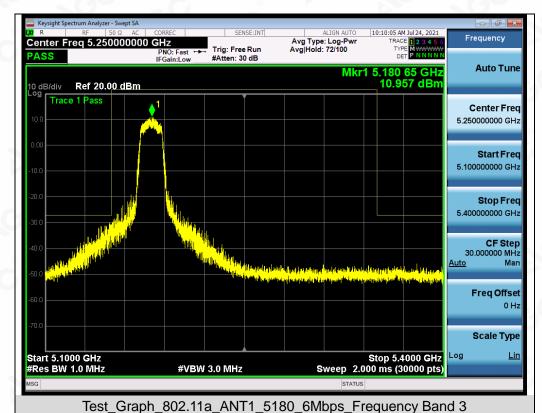
Note: All the 20MHz bandwidth modulation had been tested, the 802.11a20 was the worst case and record in his test report. All the 40MHz bandwidth modulation had been tested, the 802.11N40 was the worst case and record in his test report. All the 80MHz bandwidth modulation had been tested, the 802.11AC80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



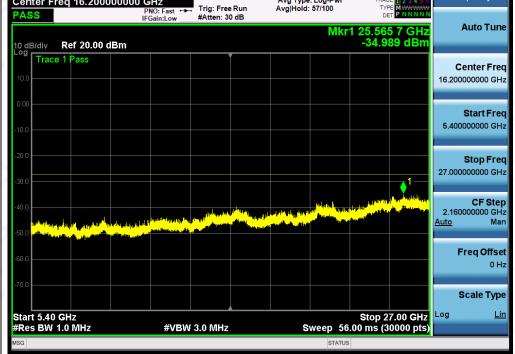
Test Graphs of Spurious Emissions outside of the 5.15-5.35 GHz band for transmitters operating in the 5.15-5.25 GHz band





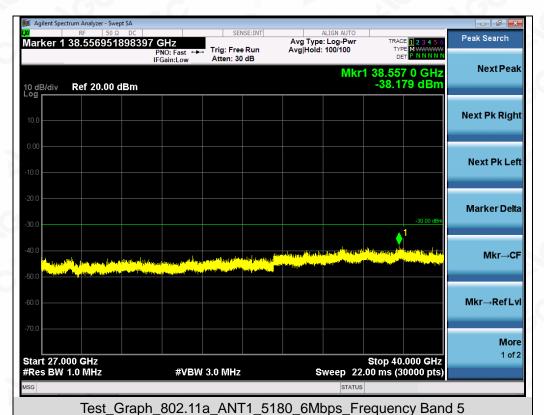


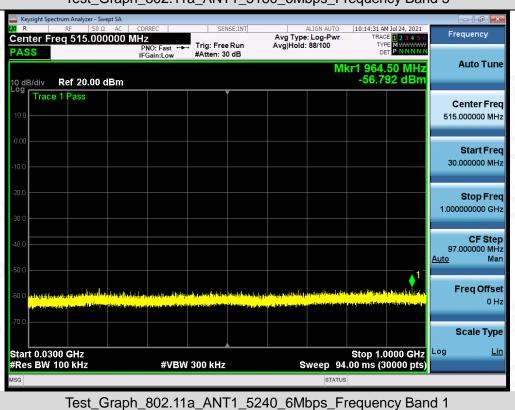




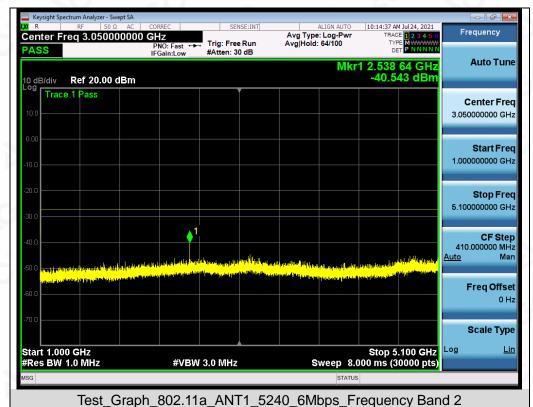
Test_Graph_802.11a_ANT1_5180_6Mbps_Frequency Band 4

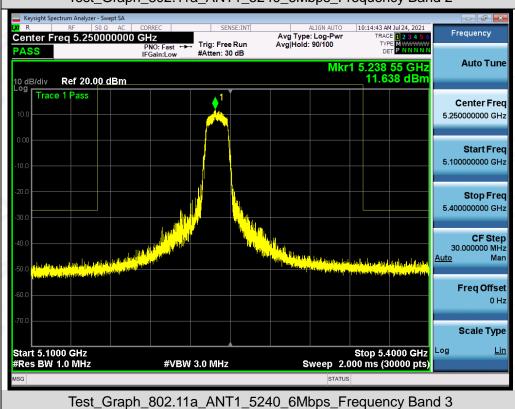












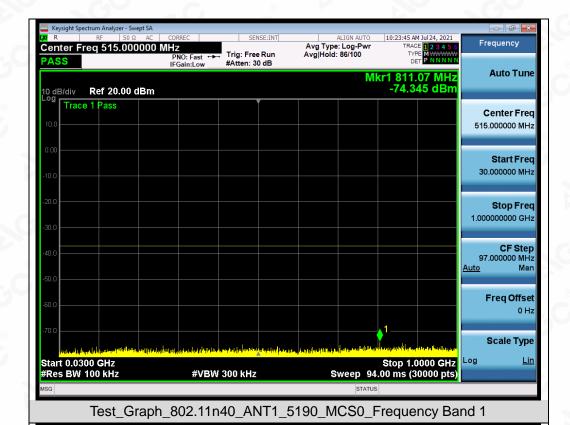


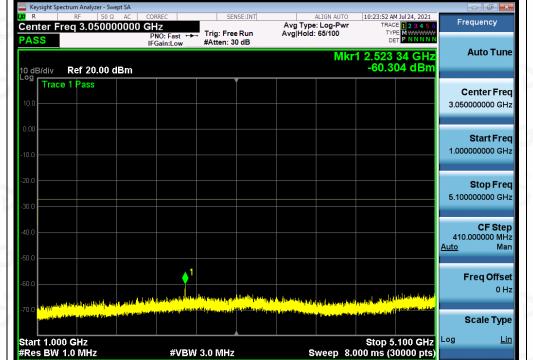


Peak Search Marker 1 38.128804293476 GHz Avg Type: Log-Pwr Avg|Hold: 100/100 Trig: Free Run Atten: 30 dB PNO: Fast ↔ IFGain:Low Next Peak Mkr1 38.128 8 GHz -38.341 dBm 10 dB/div Ref 20.00 dBm **Next Pk Right Next Pk Left** Marker Delta Mkr→CF Mkr→Ref LvI More 1 of 2 Start 27.000 GHz #Res BW 1.0 MHz Stop 40.000 GHz Sweep 22.00 ms (30000 pts) #VBW 3.0 MHz

Test_Graph_802.11a_ANT1_5240_6Mbps_Frequency Band 5

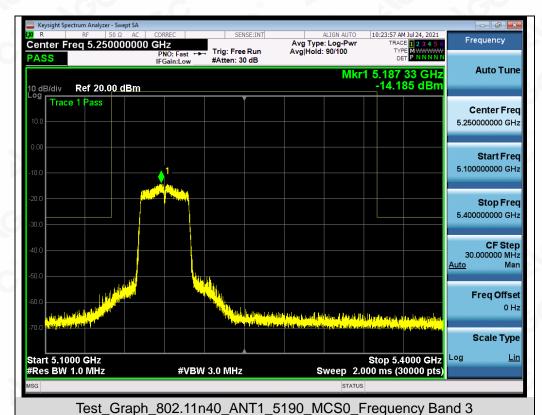






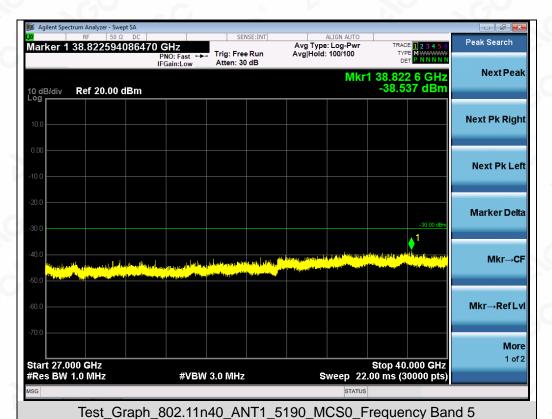
Test_Graph_802.11n40_ANT1_5190_MCS0_Frequency Band 2





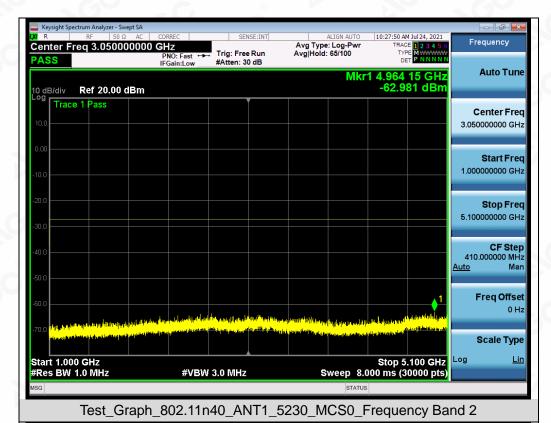


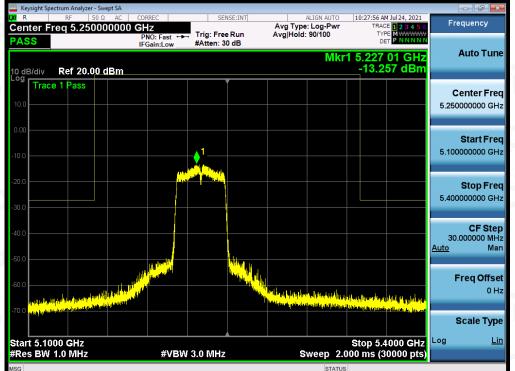












Test_Graph_802.11n40_ANT1_5230_MCS0_Frequency Band 3





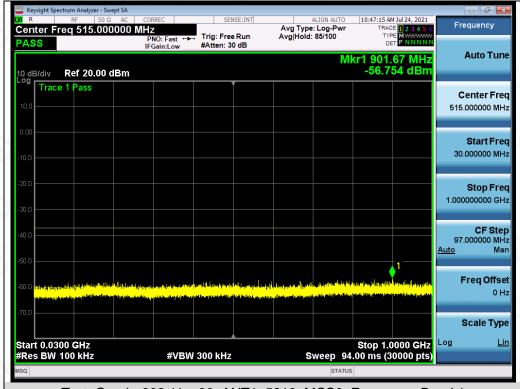


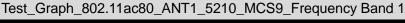
Test_Graph_802.11n40_ANT1_5230_MCS0_Frequency Band 5

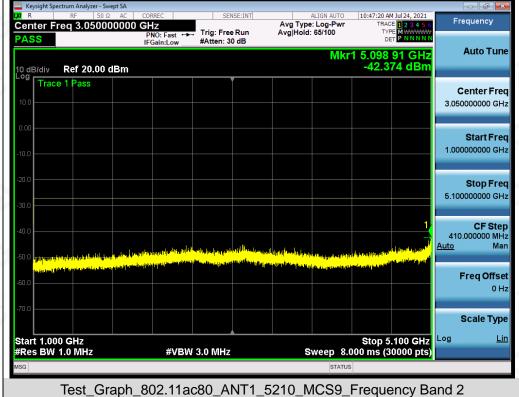
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#VBW 3.0 MHz











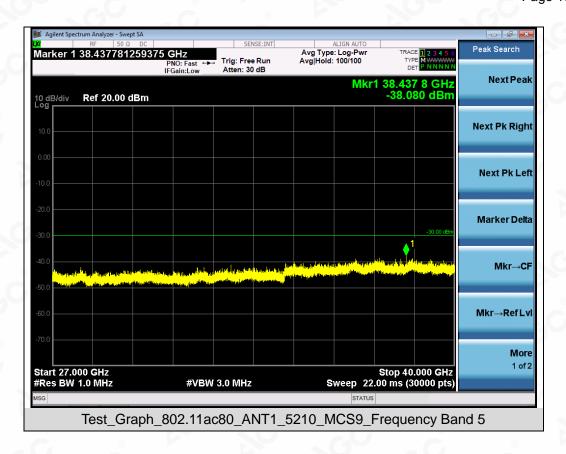






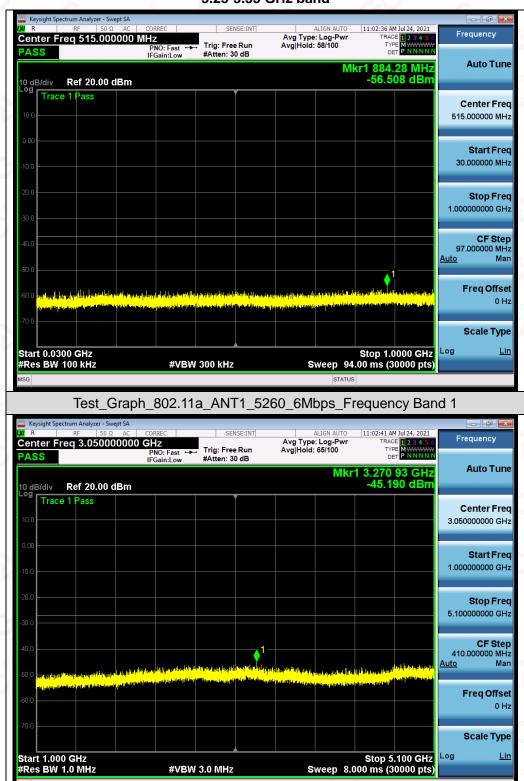
g/Inspection
The test results
If the test report.







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_Graph_802.11a_ANT1_5260_6Mbps_Frequency Band 2



