





Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.







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Scale Type

Span 120.0 MHz Sweep 1.066 ms (1000 pts)





#VBW 3.0 MHz\*

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Test\_Graph\_802.11ac80\_ANT1\_5530\_MCS9\_PSD

Center 5.53000 GHz #Res BW 1.0 MHz

g/Inspection
The test results
If the test report.

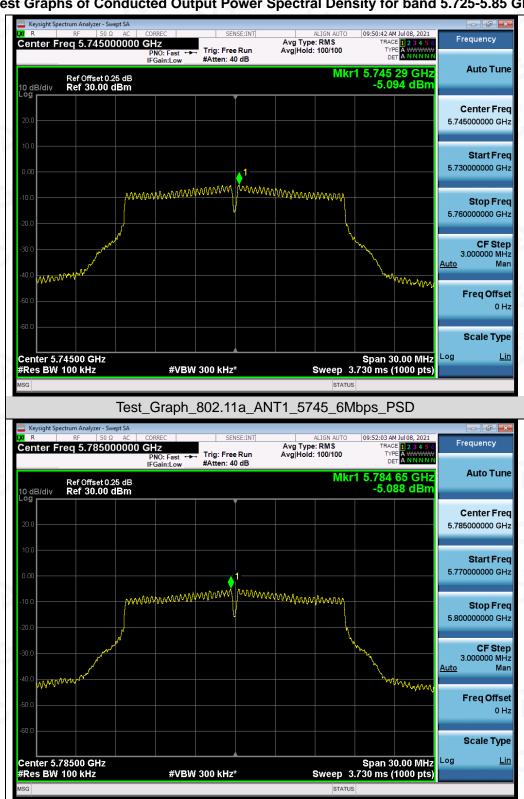




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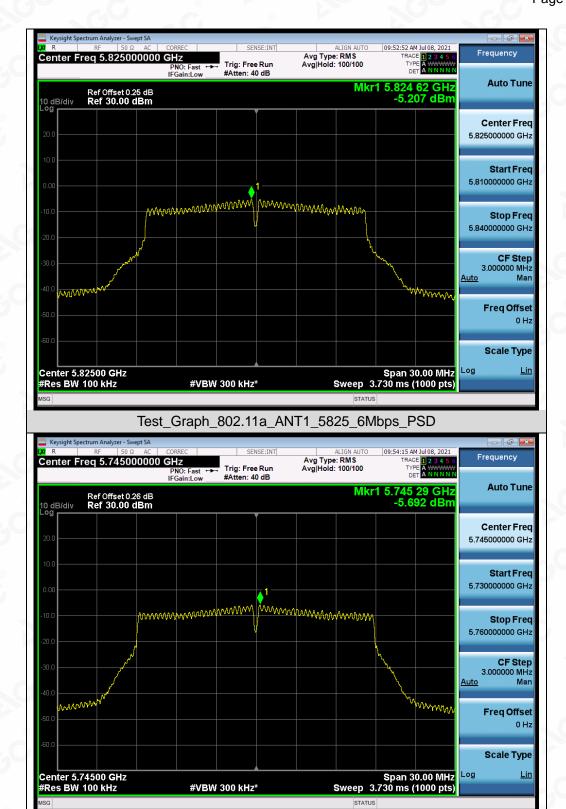
## Test Graphs of Conducted Output Power Spectral Density for band 5.725-5.85 GHz



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Test\_Graph\_802.11a\_ANT1\_5785\_6Mbps\_PSD





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Test\_Graph\_802.11n20\_ANT1\_5745\_MCS0\_PSD





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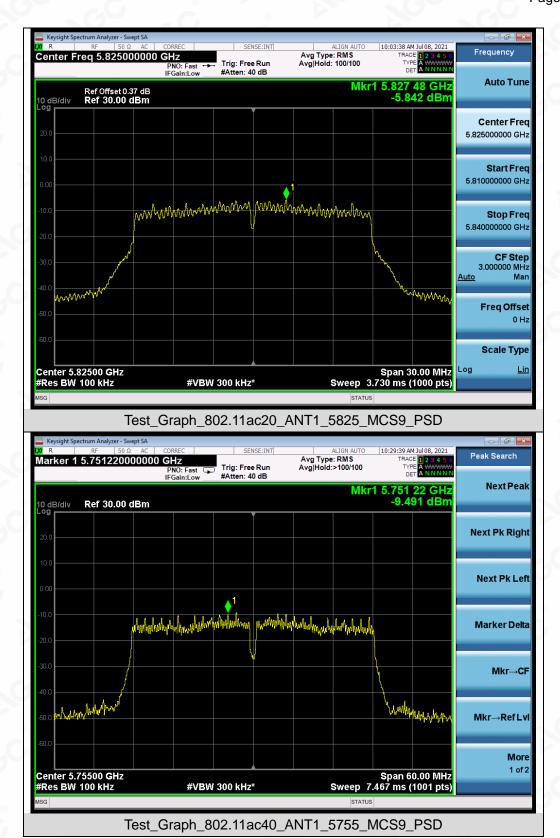
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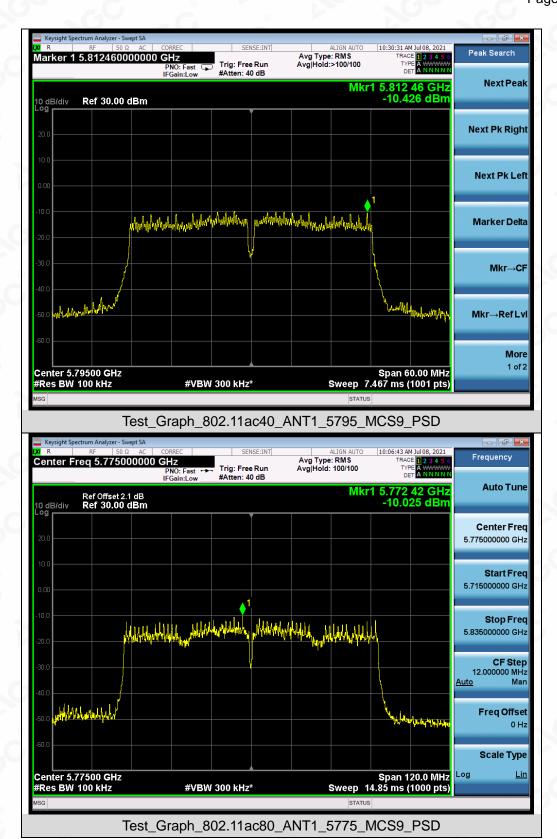
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## 10. CONDUCTED SPURIOUS EMISSION

#### 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

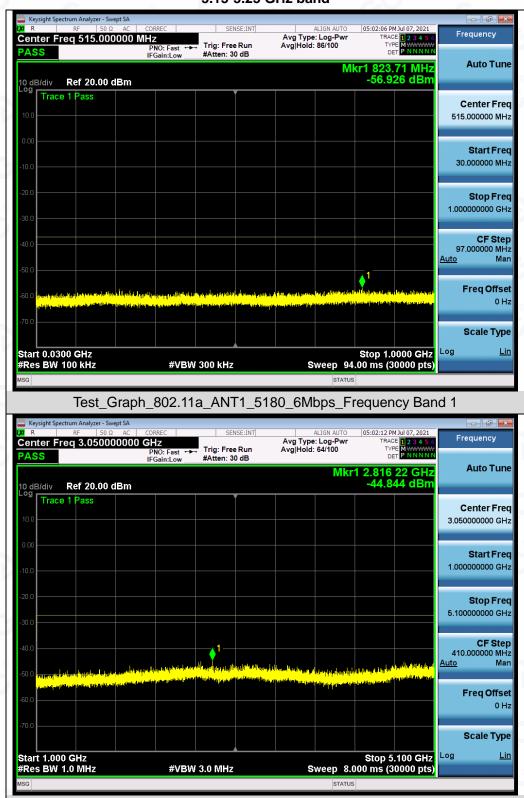
LIMITS AND MEASUREMENT RESULT		
Applicable Limits	Measurement Result	
	Test channel	Criteri a
-27dBm/MHz	5150MHz-5250MH z	PASS
All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge,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

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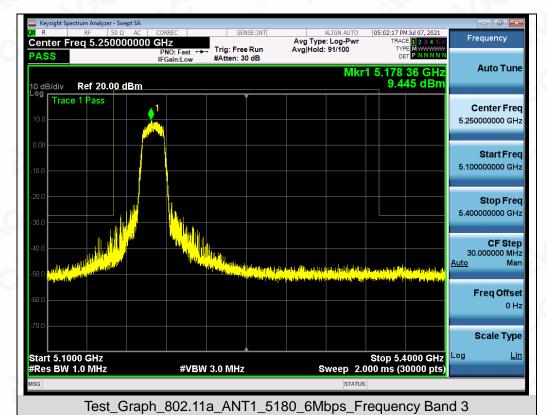
# Test Graphs of Spurious Emissions outside of the 5.15-5.35 GHz band for transmitters operating in the 5.15-5.25 GHz band



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Test\_Graph\_802.11a\_ANT1\_5180\_6Mbps\_Frequency Band 2

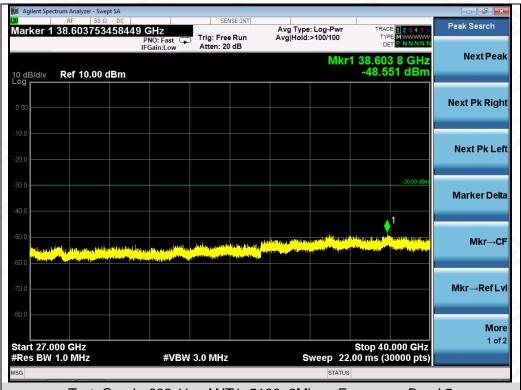




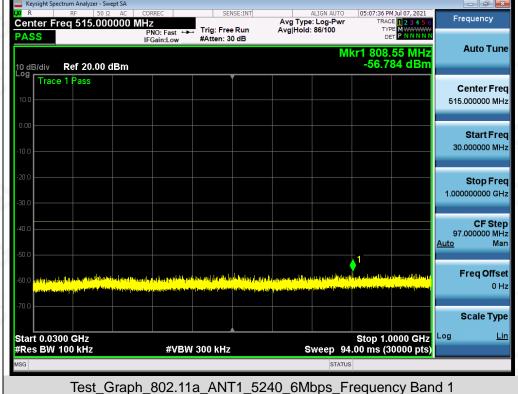


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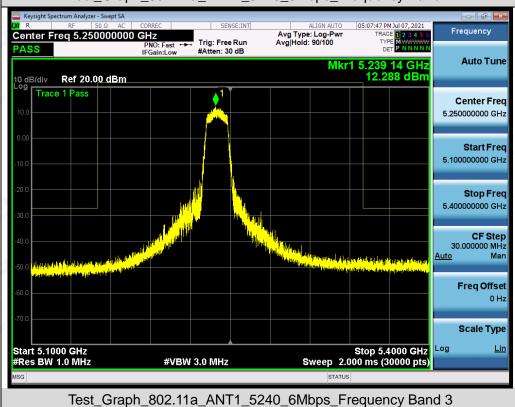
Test\_Graph\_802.11a\_ANT1\_5180\_6Mbps\_Frequency Band 5



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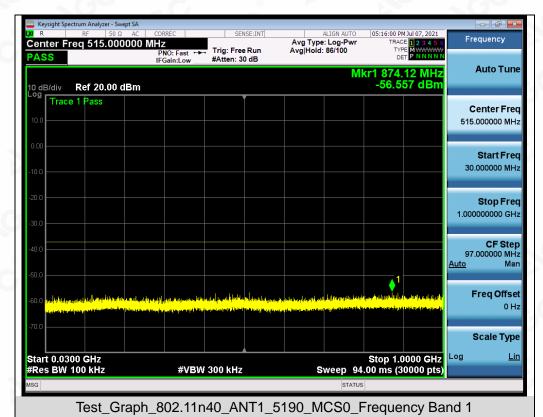


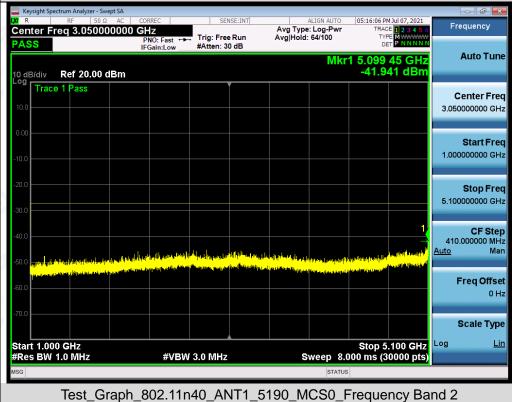


Test\_Graph\_802.11a\_ANT1\_5240\_6Mbps\_Frequency Band 5

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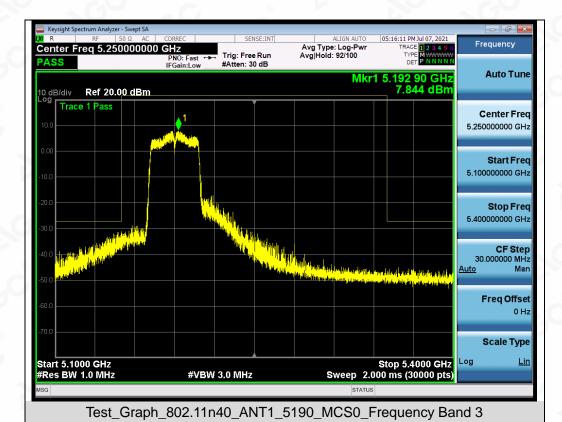






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Avg Type: Log-Pw Avg|Hold: 58/100 Center Freq 16.200000000 GHz Trig: Free Run **Auto Tune** -34.821 dBm 0 dB/div Ref 20.00 dBm Center Freq 16.200000000 GHz Start Freq 5.400000000 GHz Stop Freq 27.000000000 GHz **CF Step** 2.160000000 GHz Freq Offset Scale Type 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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Test\_Graph\_802.11n40\_ANT1\_5190\_MCS0\_Frequency Band 5

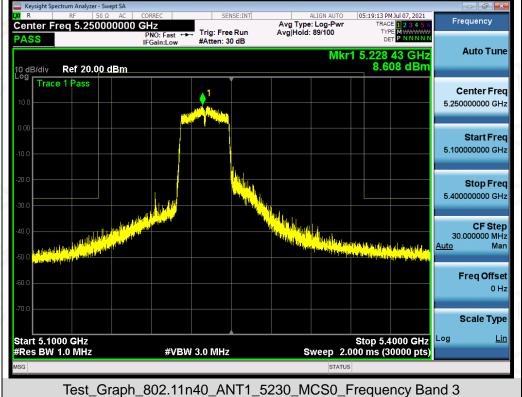


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Test\_Graph\_802.11n40\_ANT1\_5230\_MCS0\_Frequency Band 2



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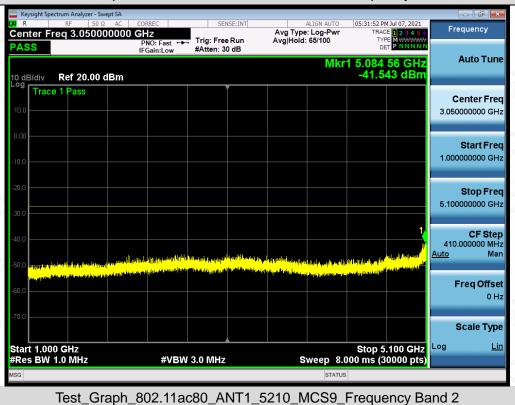




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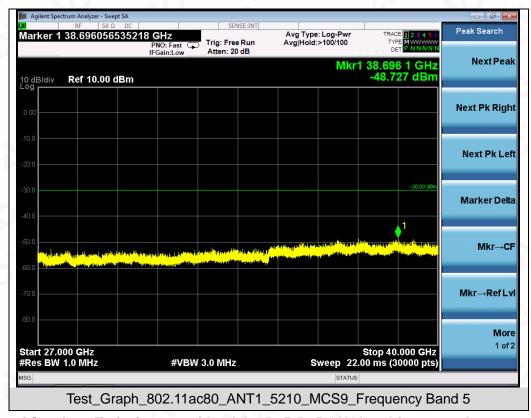




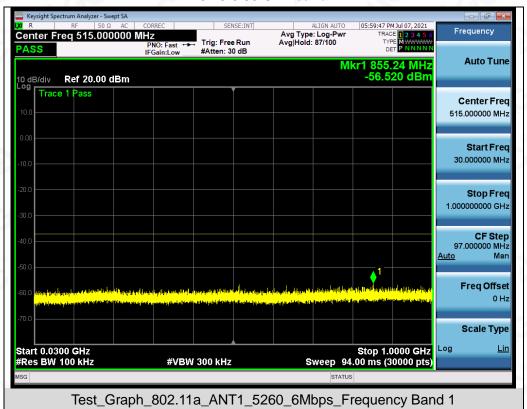


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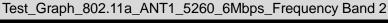
Test Graphs of Spurious Emissions outside of the 5.15-5.35 GHz band for transmitters operating in the 5.25-5.35 GHz band

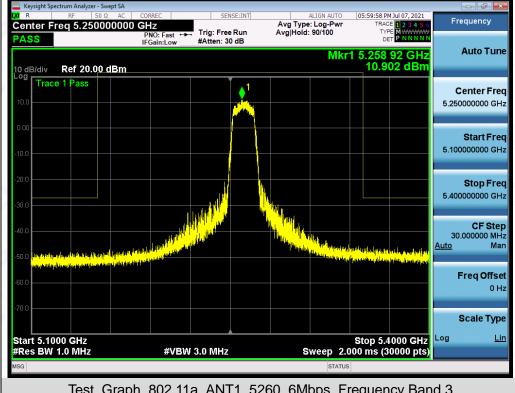


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Test\_Graph\_802.11a\_ANT1\_5260\_6Mbps\_Frequency Band 3

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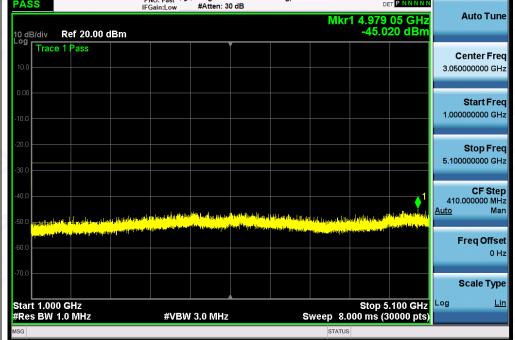
Test\_Graph\_802.11a\_ANT1\_5260\_6Mbps\_Frequency Band 5

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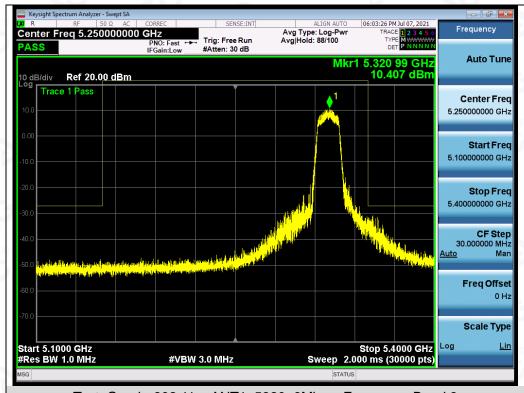


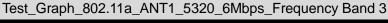


Test\_Graph\_802.11a\_ANT1\_5320\_6Mbps\_Frequency Band 2

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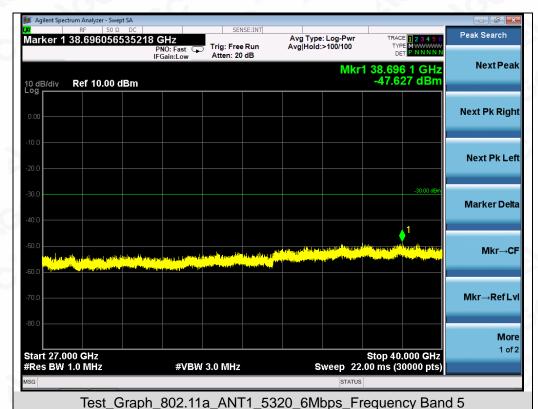


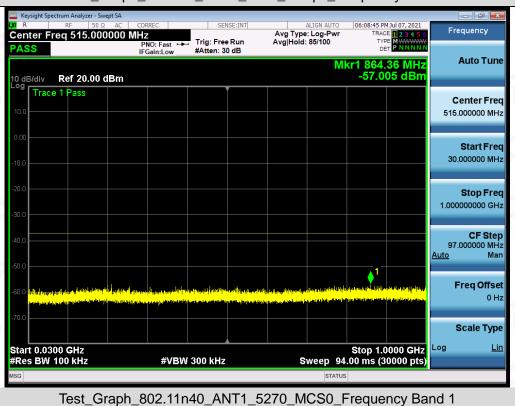


Test\_Graph\_802.11a\_ANT1\_5320\_6Mbps\_Frequency Band 4

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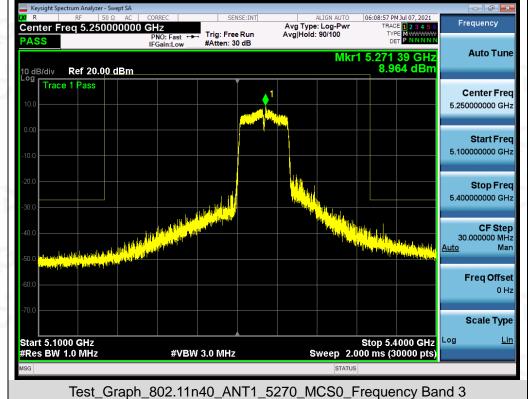


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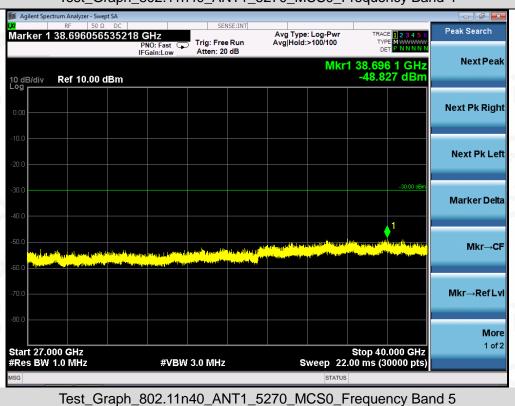




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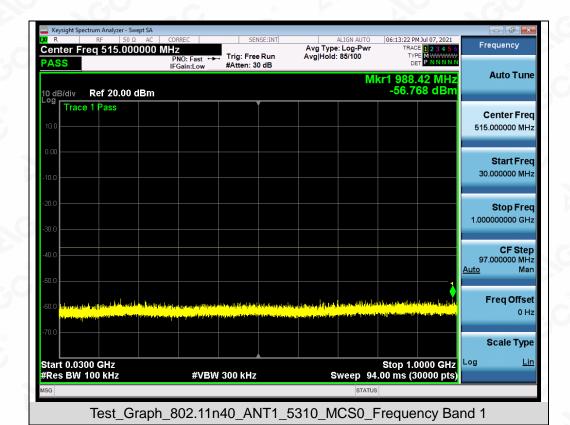


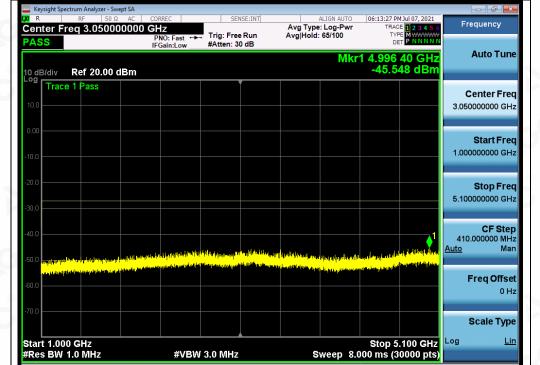




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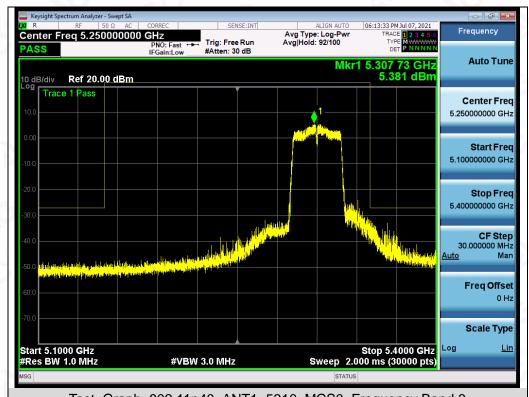




Test\_Graph\_802.11n40\_ANT1\_5310\_MCS0\_Frequency Band 2

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Test\_Graph\_802.11n40\_ANT1\_5310\_MCS0\_Frequency Band 4

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