









Test\_Graph\_802.11ac80\_ANT2\_5210\_MCS9\_PSD



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

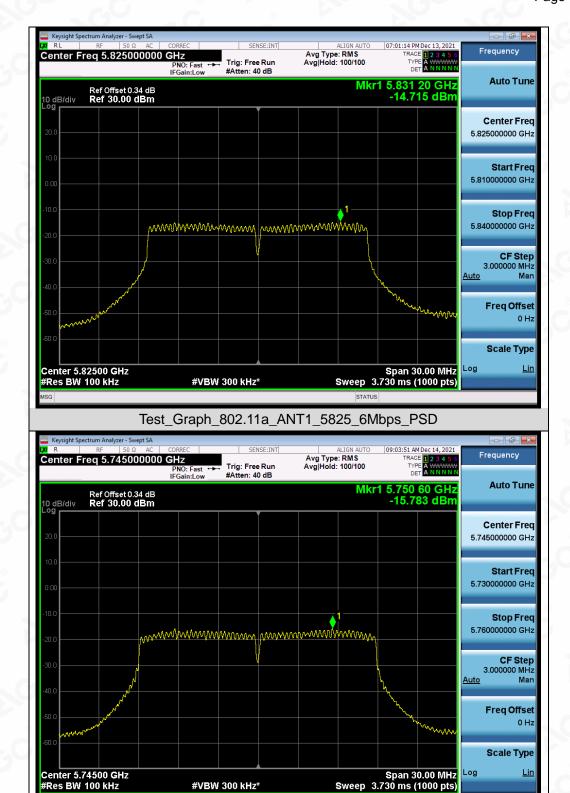


Stop Freq wwwwwwwwwwww 5.800000000 GHz **CF Step** 3.000000 MHz Auto Freq Offset Scale Type Center 5.78500 GHz #Res BW 100 kHz <u>Lin</u> Span 30.00 MHz **#VBW** 300 kHz\* Sweep 3.730 ms (1000 pts) Test\_Graph\_802.11a\_ANT1\_5785\_6Mbps\_PSD

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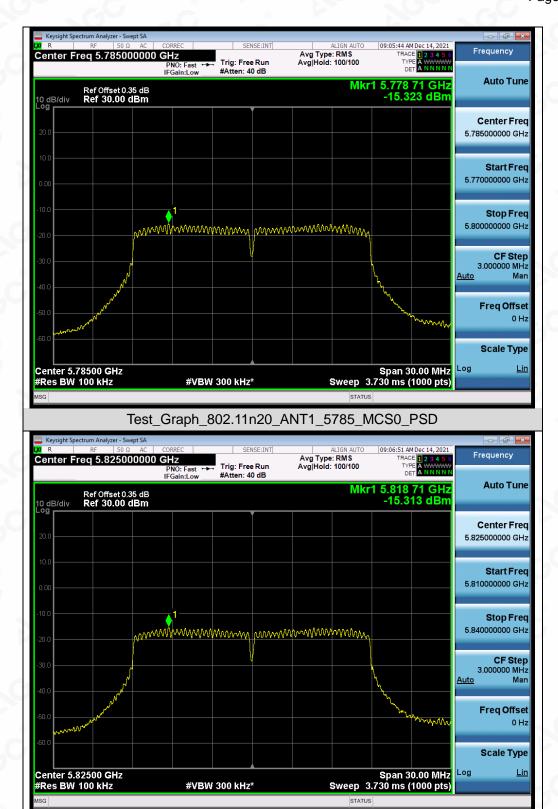
Attestation of Global Compliance(Shenzhen)Co., Ltd Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Web: http://cn.agc-cert.com/





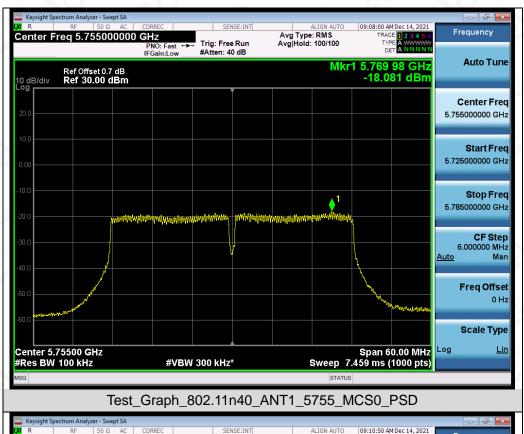
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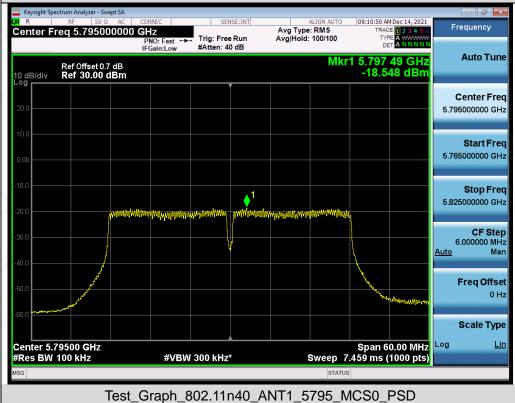




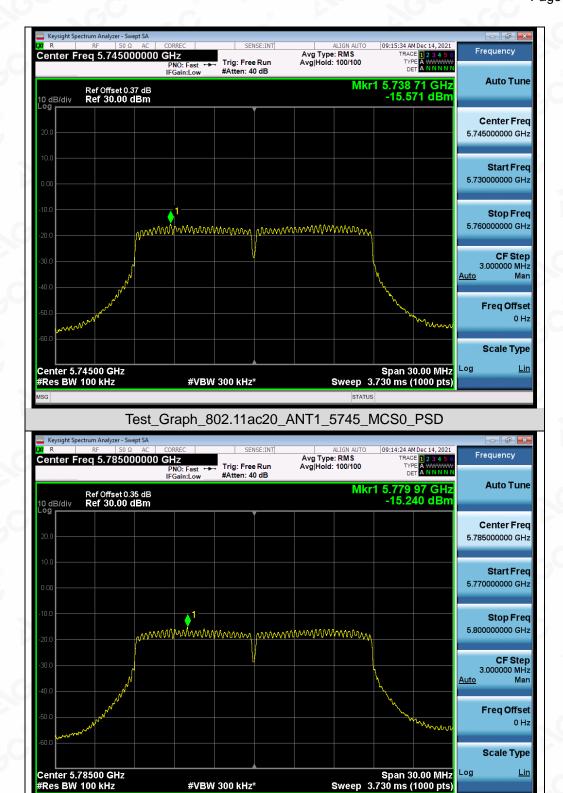
Test\_Graph\_802.11n20\_ANT1\_5825\_MCS0\_PSD









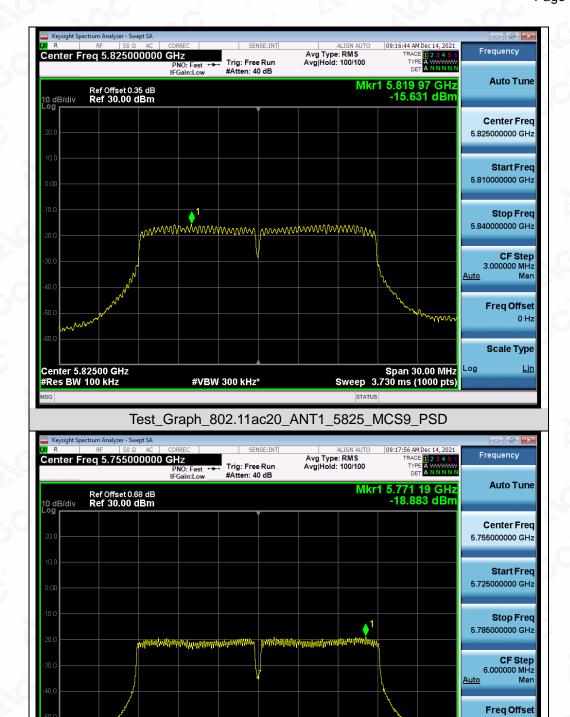


Test\_Graph\_802.11ac20\_ANT1\_5785\_MCS0\_PSD

Scale Type

Span 60.00 MHz Sweep 7.459 ms (1000 pts)





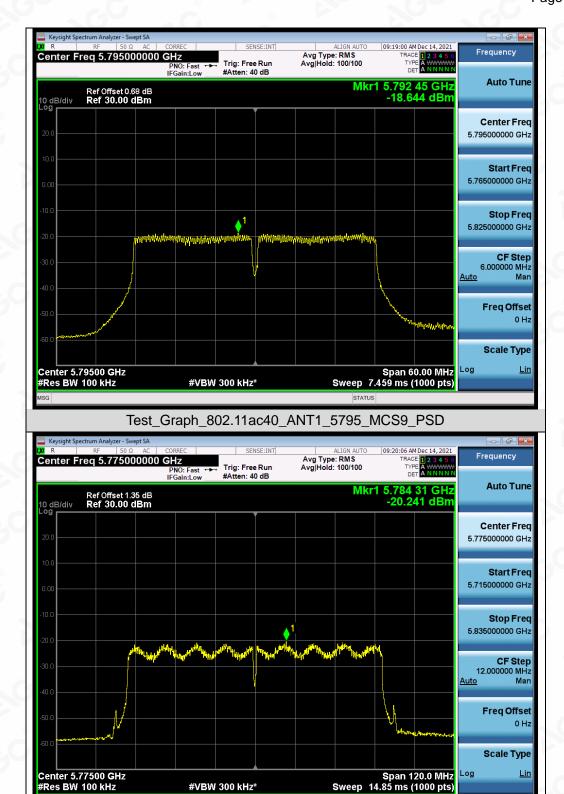
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Test\_Graph\_802.11ac40\_ANT1\_5755\_MCS9\_PSD

#VBW 300 kHz\*

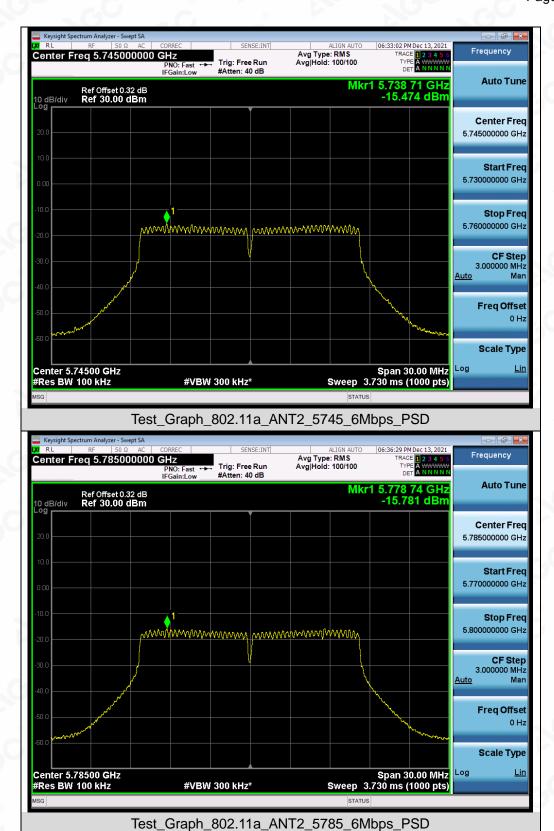
Center 5.75500 GHz #Res BW 100 kHz



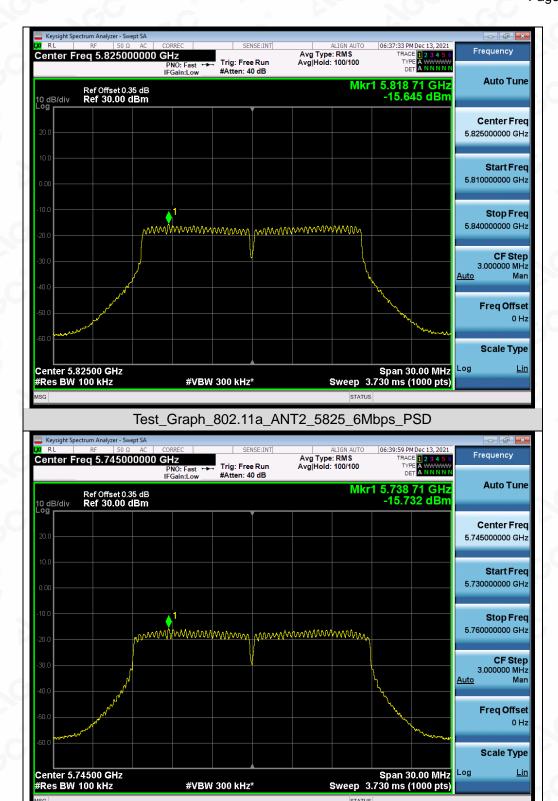


Test\_Graph\_802.11ac80\_ANT1\_5775\_MCS9\_PSD



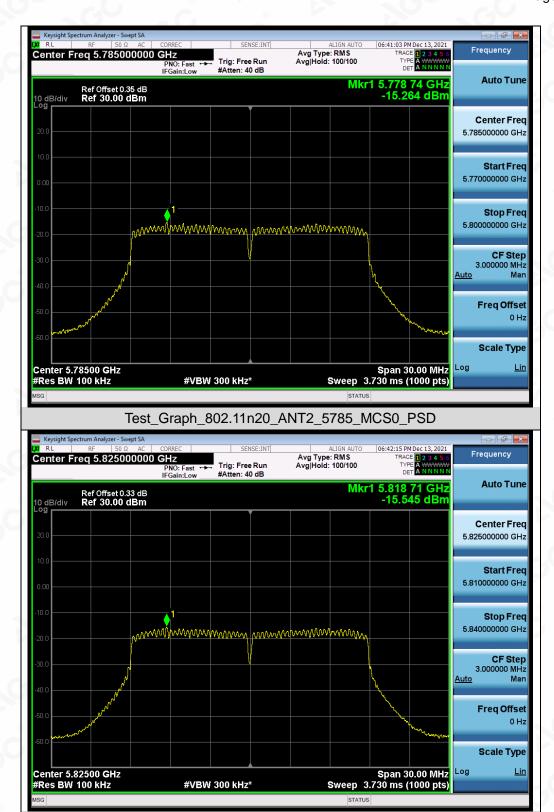






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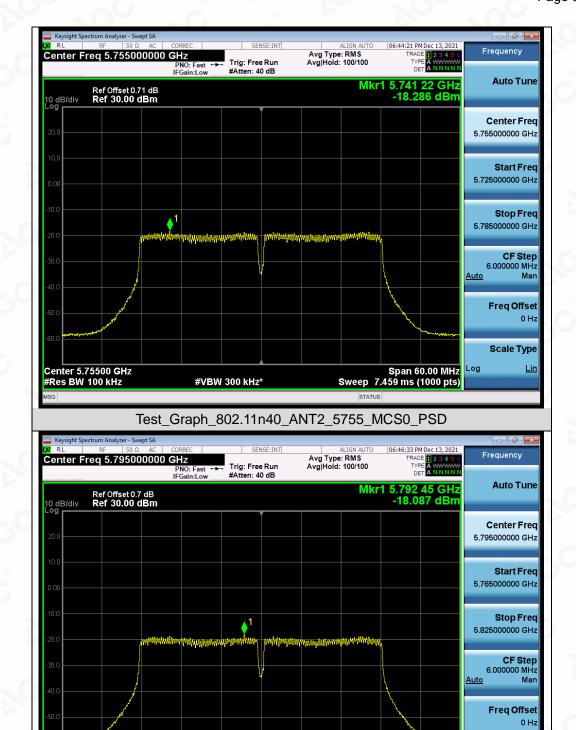


Test\_Graph\_802.11n20\_ANT2\_5825\_MCS0\_PSD

Scale Type

Span 60.00 MHz Sweep 7.459 ms (1000 pts)





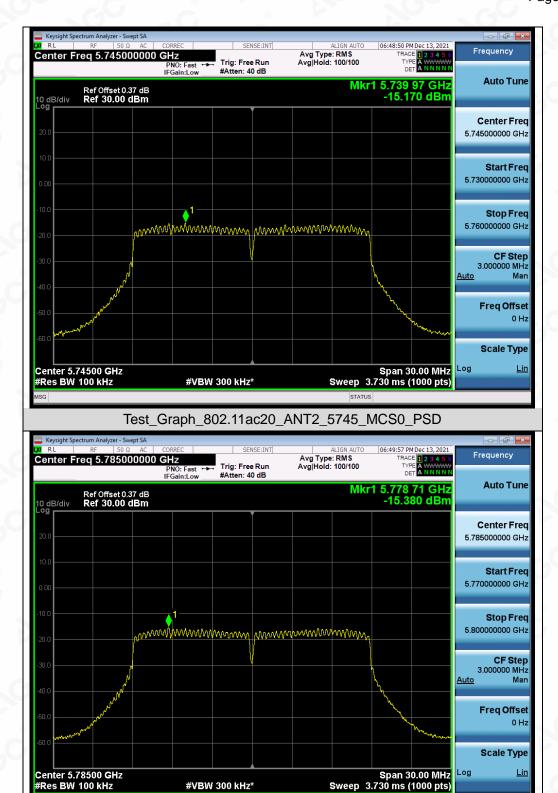
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Test\_Graph\_802.11n40\_ANT2\_5795\_MCS0\_PSD

#VBW 300 kHz\*

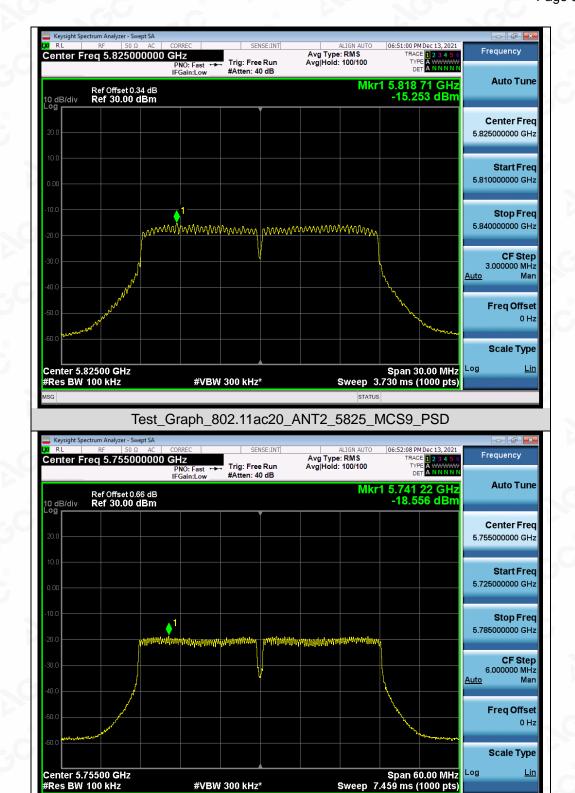
Center 5.79500 GHz #Res BW 100 kHz





Test\_Graph\_802.11ac20\_ANT2\_5785\_MCS0\_PSD





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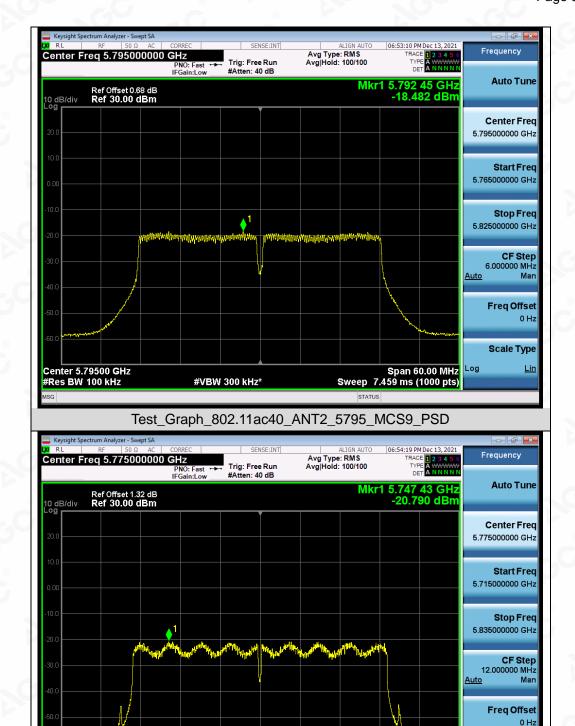
Test\_Graph\_802.11ac40\_ANT2\_5755\_MCS9\_PSD

#VBW 300 kHz\*

Scale Type

Span 120.0 MHz Sweep 14.85 ms (1000 pts)





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Test\_Graph\_802.11ac80\_ANT2\_5775\_MCS9\_PSD

#VBW 300 kHz\*

Center 5.77500 GHz #Res BW 100 kHz



Report No.: AGC00688211103FE06

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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

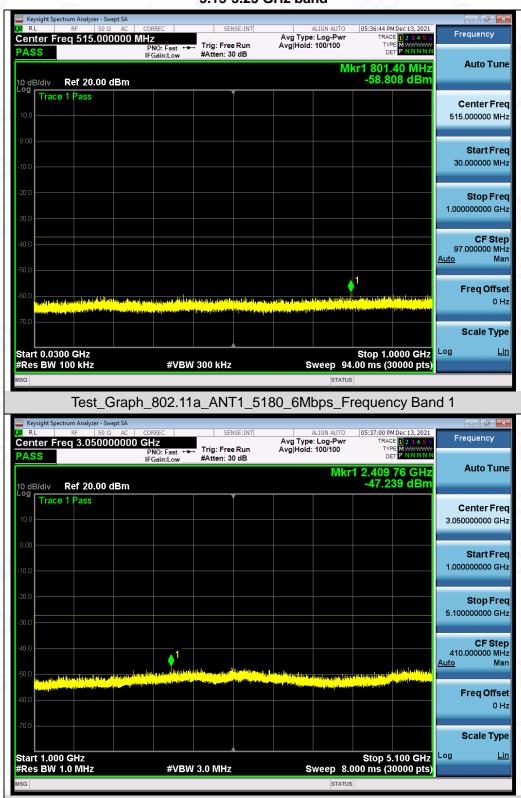
LIMITS AND MEASUREMENT RESULT		
Applicable Limits	Measurement Result	
	Test channel	Criteri
		а
-27dBm/MHz	5150MHz-5250MH	PASS
	Z	
All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above	9	
or	5725MHz-5850MH z	PASS
below the band edge		
increasing linearly to 10 dBm/MHz at 25 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		8
band edge.		

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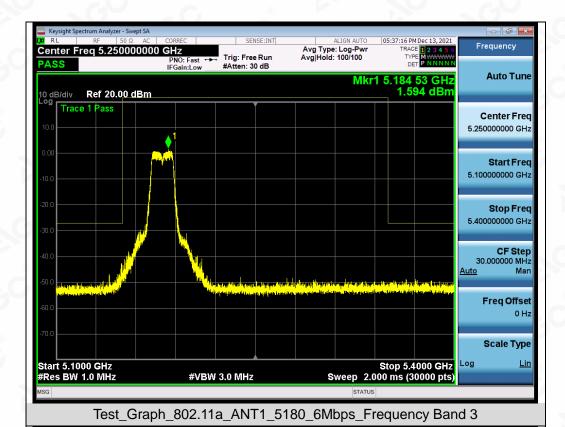
# Test Graphs of Spurious Emissions outside of the 5.15-5.35 GHz band for transmitters operating in the 5.15-5.25 GHz band



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



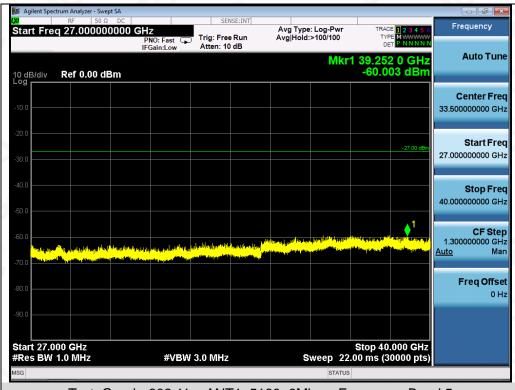




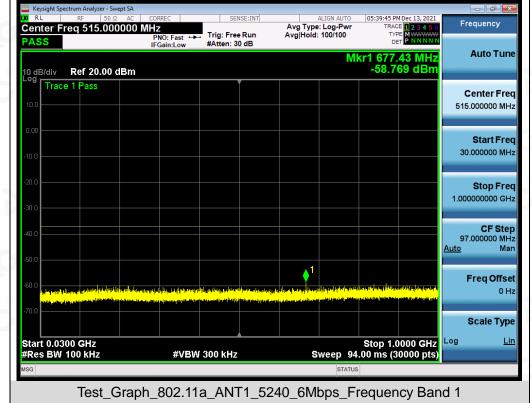
Test\_Graph\_802.11a\_ANT1\_5180\_6Mbps\_Frequency Band 4

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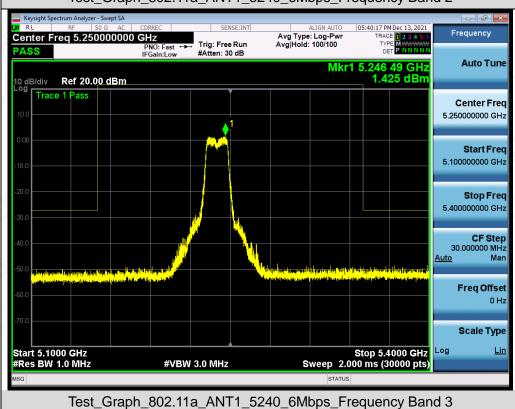


Test\_Graph\_802.11a\_ANT1\_5180\_6Mbps\_Frequency Band 5



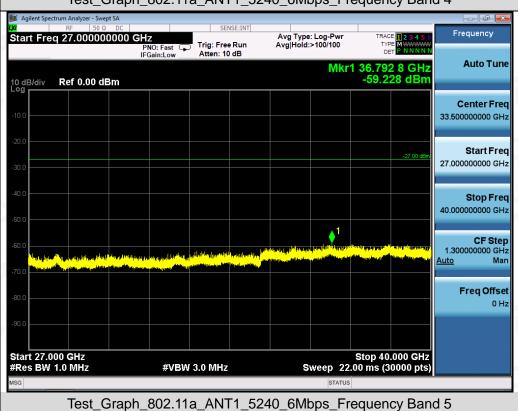




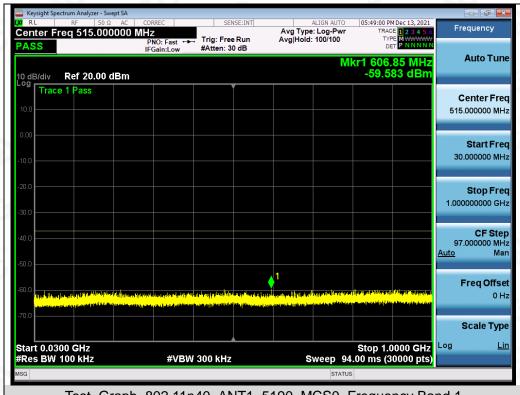


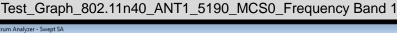


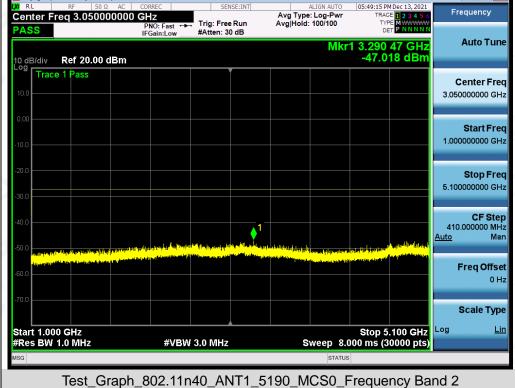




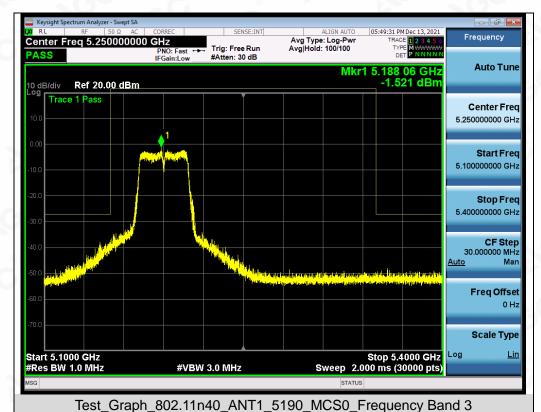












Keysight Spectrum Analyzer - Swept SA

W RL RF 50 Ω AC CORREC SENSE:INT ALIGN AUTO 05:49:52 PM Dec 13, 2021

Center Freq 16.200000000 GHz

PNO: Fast → Trig: Free Run Avg | Hold: 100/100 Type | No. 100/100 PM | No. 100/100 PM



Test\_Graph\_802.11n40\_ANT1\_5190\_MCS0\_Frequency Band 4

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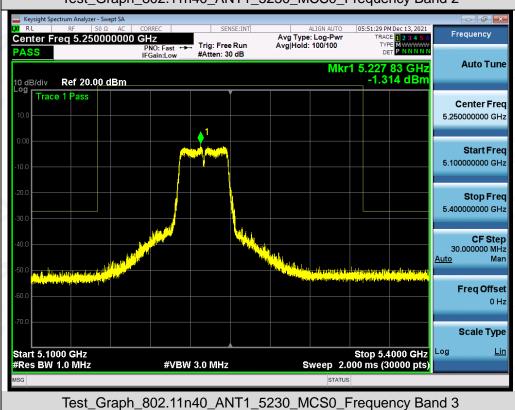










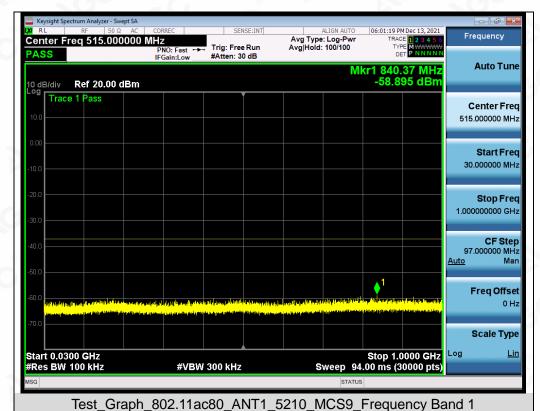








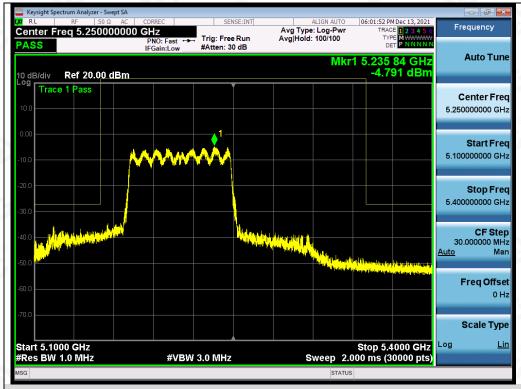


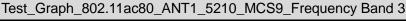




The test results









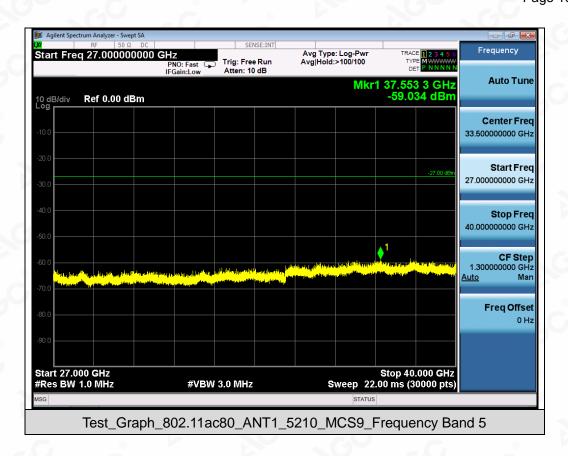
Test\_Graph\_802.11ac80\_ANT1\_5210\_MCS9\_Frequency Band 4

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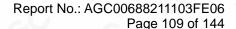
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g/Inspection
The test results
the test report.



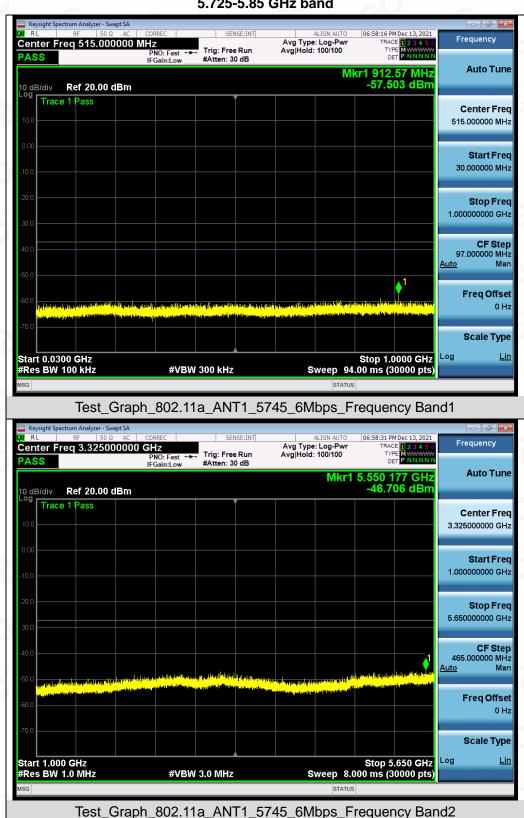


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# Test Graphs of Spurious Emissions outside of the 5.725-5.85 GHz band for transmitters operating in the 5.725-5.85 GHz band



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