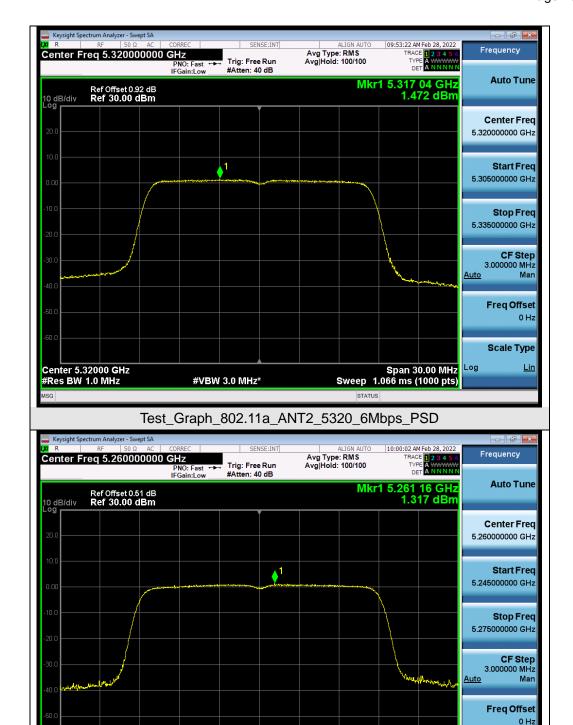


Test\_Graph\_802.11a\_ANT2\_5300\_6Mbps\_PSD

Span 30.00 MHz Sweep 1.066 ms (1000 pts)





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Test\_Graph\_802.11n20\_ANT2\_5260\_MCS0\_PSD

#VBW 3.0 MHz\*

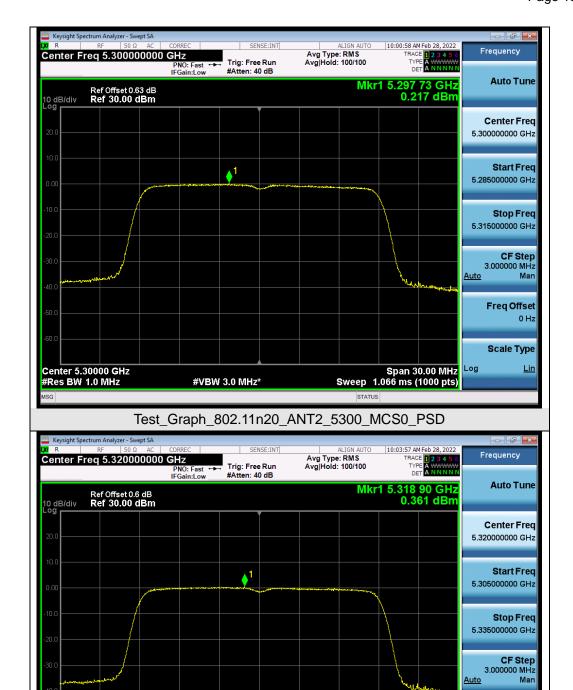
Center 5.26000 GHz #Res BW 1.0 MHz

Freq Offset 0 Hz

Scale Type

Span 30.00 MHz Sweep 1.066 ms (1000 pts)





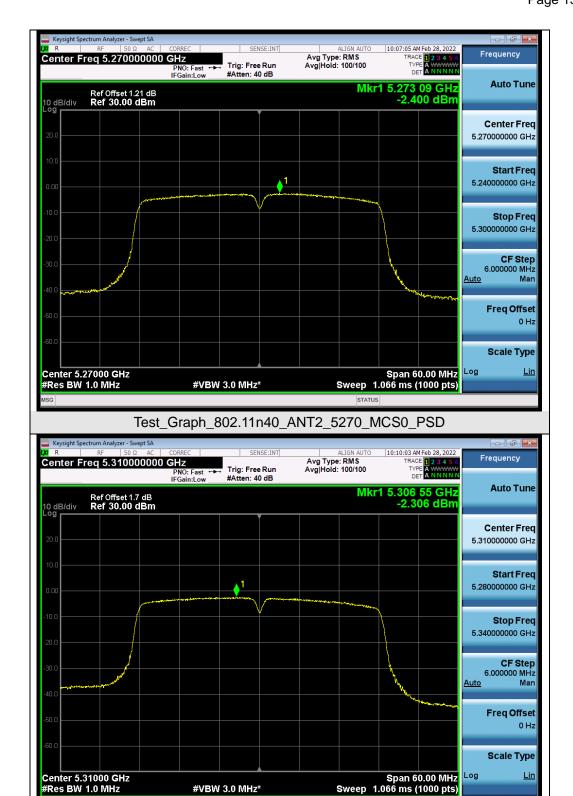
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Test\_Graph\_802.11n20\_ANT2\_5320\_MCS0\_PSD

#VBW 3.0 MHz\*

Center 5.32000 GHz #Res BW 1.0 MHz





Test\_Graph\_802.11n40\_ANT2\_5310\_MCS0\_PSD

#VBW 3.0 MHz\*

Web: http://www.agccert.com/

0 Hz

Scale Type

Span 30.00 MHz Sweep 1.066 ms (1000 pts)





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Test\_Graph\_802.11ac20\_ANT2\_5300\_MCS0\_PSD

#VBW 3.0 MHz\*

Center 5.30000 GHz #Res BW 1.0 MHz



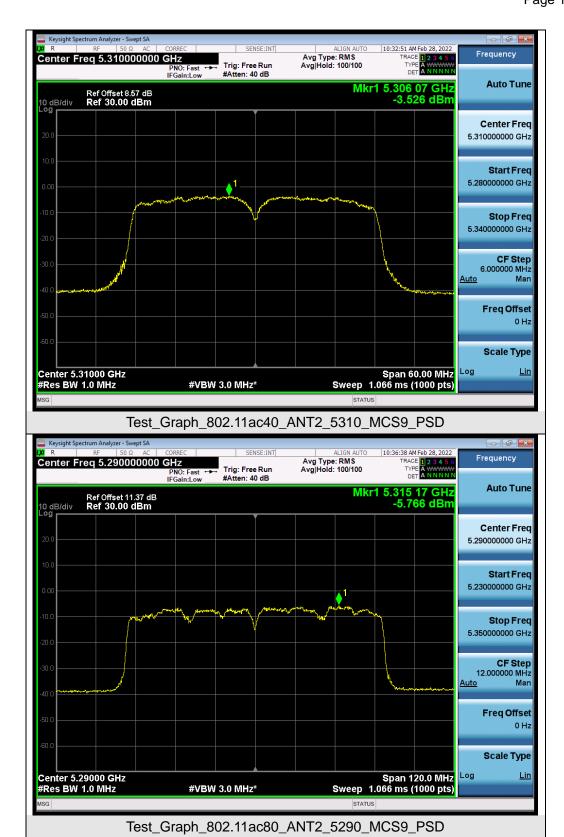


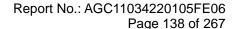
Test\_Graph\_802.11ac40\_ANT2\_5270\_MCS9\_PSD

#VBW 3.0 MHz\*

Web: http://www.agccert.com/

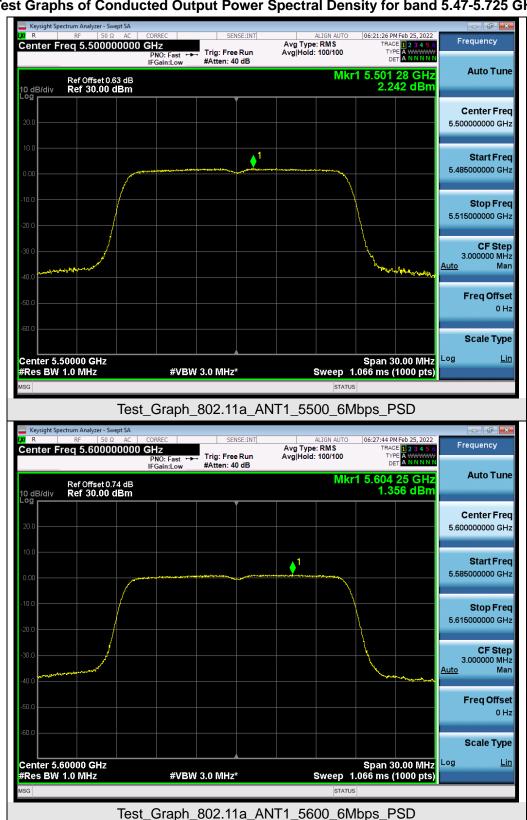








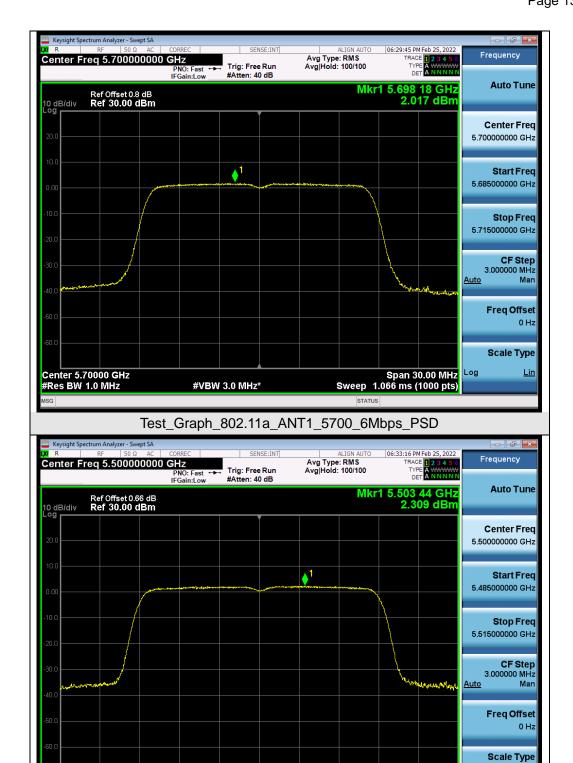
## Test Graphs of Conducted Output Power Spectral Density for band 5.47-5.725 GHz



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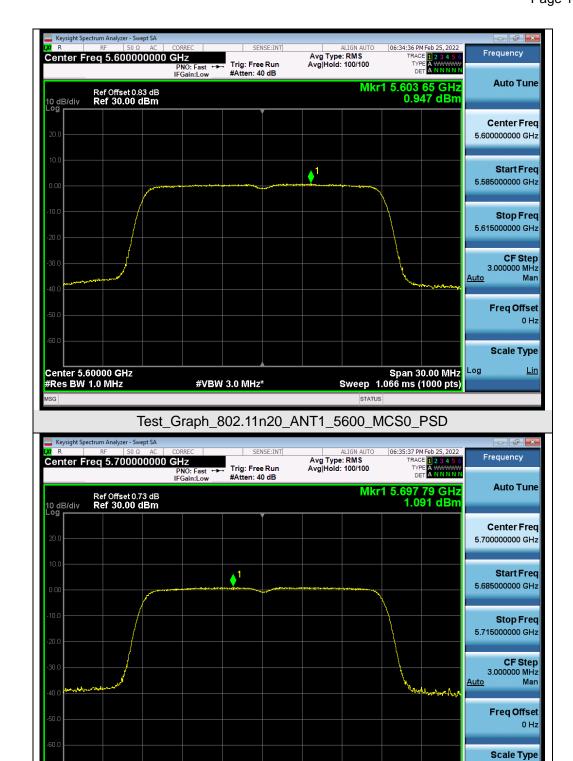
Test\_Graph\_802.11n20\_ANT1\_5500\_MCS0\_PSD

#VBW 3.0 MHz\*

Span 30.00 MHz Sweep 1.066 ms (1000 pts)

Center 5.50000 GHz #Res BW 1.0 MHz





Test\_Graph\_802.11n20\_ANT1\_5700\_MCS0\_PSD

#VBW 3.0 MHz\*

Span 30.00 MHz Sweep 1.066 ms (1000 pts)

Center 5.70000 GHz #Res BW 1.0 MHz

0 Hz

Scale Type

Span 60.00 MHz Sweep 1.066 ms (1000 pts)





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Test\_Graph\_802.11n40\_ANT1\_5590\_MCS0\_PSD

#VBW 3.0 MHz\*

Center 5.59000 GHz #Res BW 1.0 MHz

Span 30.00 MHz Sweep 1.066 ms (1000 pts)





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Test\_Graph\_802.11ac20\_ANT1\_5500\_MCS0\_PSD

#VBW 3.0 MHz\*

Center 5.50000 GHz #Res BW 1.0 MHz

Span 30.00 MHz Sweep 1.066 ms (1000 pts)





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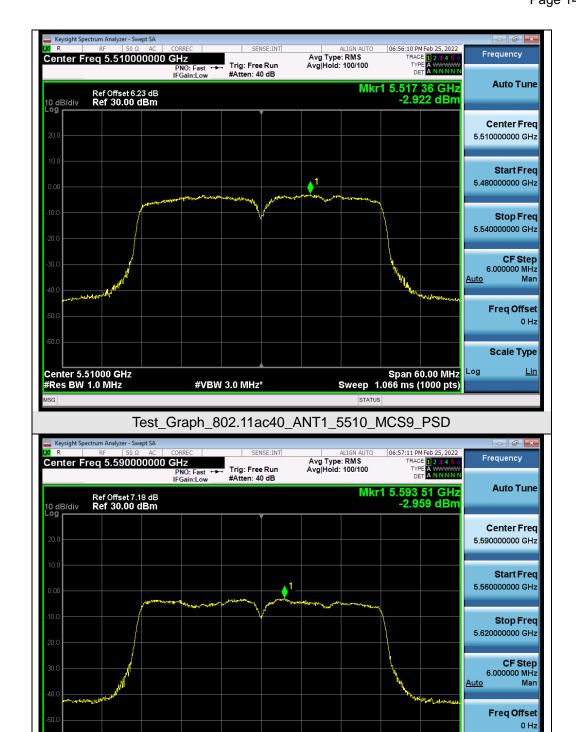
Test\_Graph\_802.11ac20\_ANT1\_5700\_MCS9\_PSD

#VBW 3.0 MHz\*

Center 5.70000 GHz #Res BW 1.0 MHz

Span 60.00 MHz Sweep 1.066 ms (1000 pts)





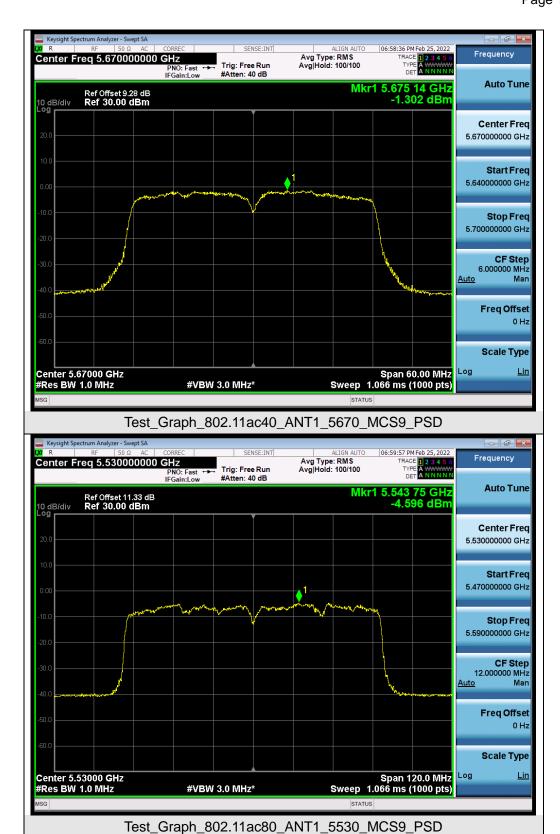
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Test\_Graph\_802.11ac40\_ANT1\_5590\_MCS9\_PSD

#VBW 3.0 MHz\*

Center 5.59000 GHz #Res BW 1.0 MHz



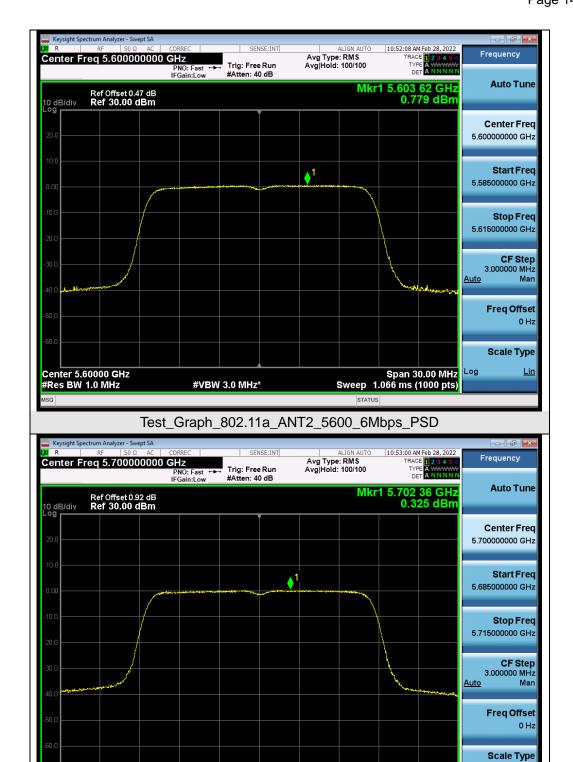






Test\_Graph\_802.11a\_ANT2\_5500\_6Mbps\_PSD





Test\_Graph\_802.11a\_ANT2\_5700\_6Mbps\_PSD

#VBW 3.0 MHz\*

Span 30.00 MHz Sweep 1.066 ms (1000 pts)

Center 5.70000 GHz #Res BW 1.0 MHz

Freq Offset 0 Hz

Scale Type

Span 30.00 MHz Sweep 1.066 ms (1000 pts)





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Test\_Graph\_802.11n20\_ANT2\_5600\_MCS0\_PSD

#VBW 3.0 MHz\*

Center 5.60000 GHz #Res BW 1.0 MHz

0 Hz

Scale Type

Span 60.00 MHz Sweep 1.066 ms (1000 pts)





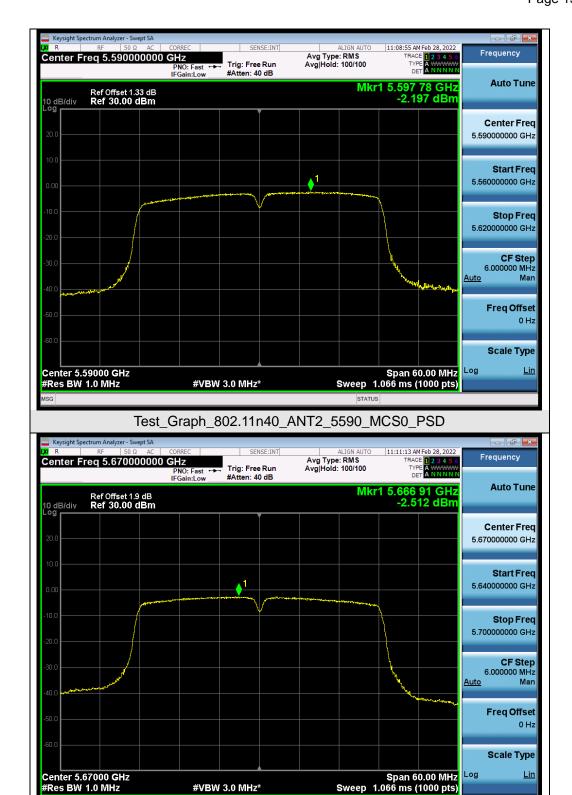
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Test\_Graph\_802.11n40\_ANT2\_5510\_MCS0\_PSD

#VBW 3.0 MHz\*

Center 5.51000 GHz #Res BW 1.0 MHz



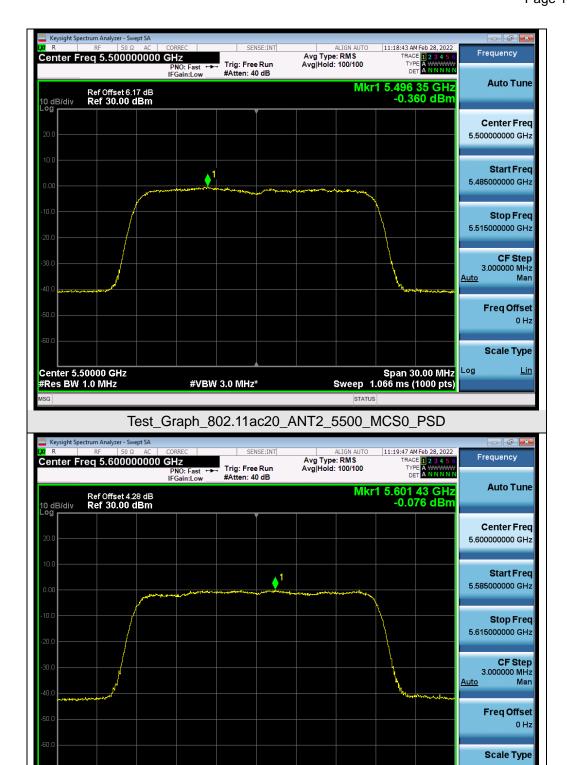


Test\_Graph\_802.11n40\_ANT2\_5670\_MCS0\_PSD

#VBW 3.0 MHz\*

Web: http://www.agccert.com/





Test\_Graph\_802.11ac20\_ANT2\_5600\_MCS0\_PSD

#VBW 3.0 MHz\*

Span 30.00 MHz Sweep 1.066 ms (1000 pts)

Center 5.60000 GHz #Res BW 1.0 MHz

Span 60.00 MHz Sweep 1.066 ms (1000 pts)





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Test\_Graph\_802.11ac40\_ANT2\_5510\_MCS9\_PSD

#VBW 3.0 MHz\*

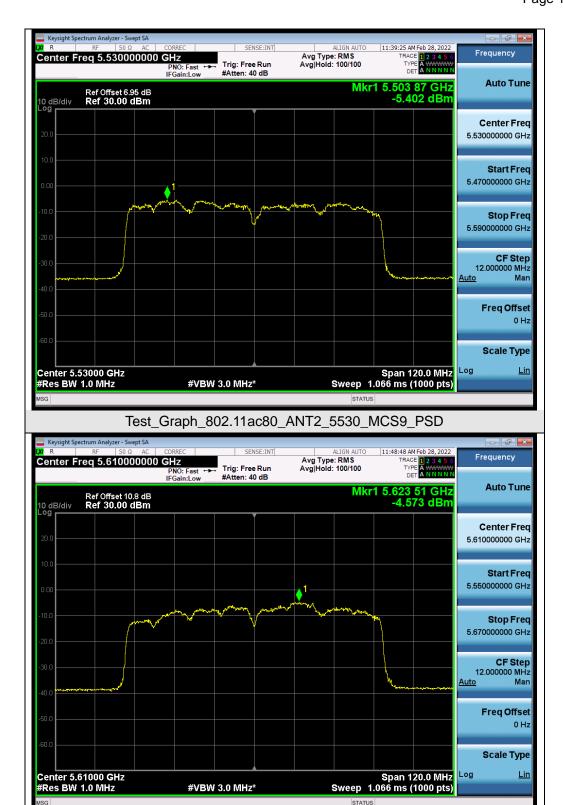
Center 5.51000 GHz #Res BW 1.0 MHz



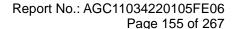


Test\_Graph\_802.11ac40\_ANT2\_5670\_MCS9\_PSD



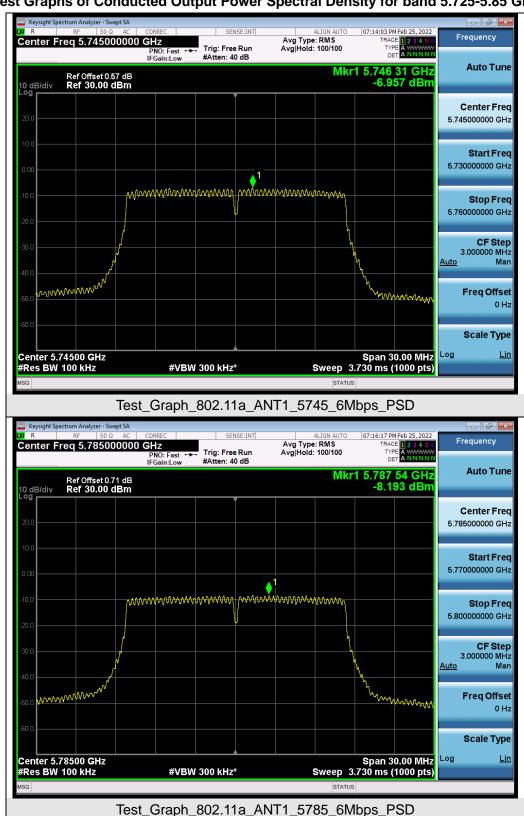


Test\_Graph\_802.11ac80\_ANT2\_5610\_MCS9\_PSD



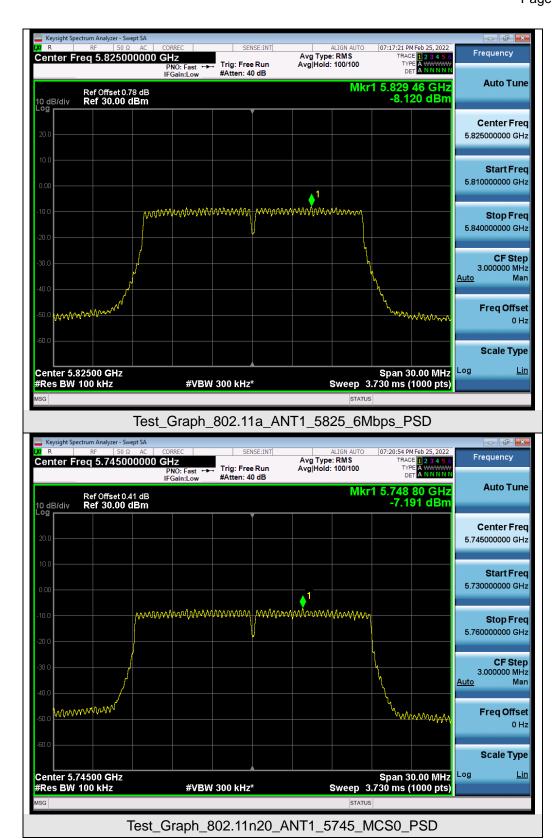


## Test Graphs of Conducted Output Power Spectral Density for band 5.725-5.85 GHz



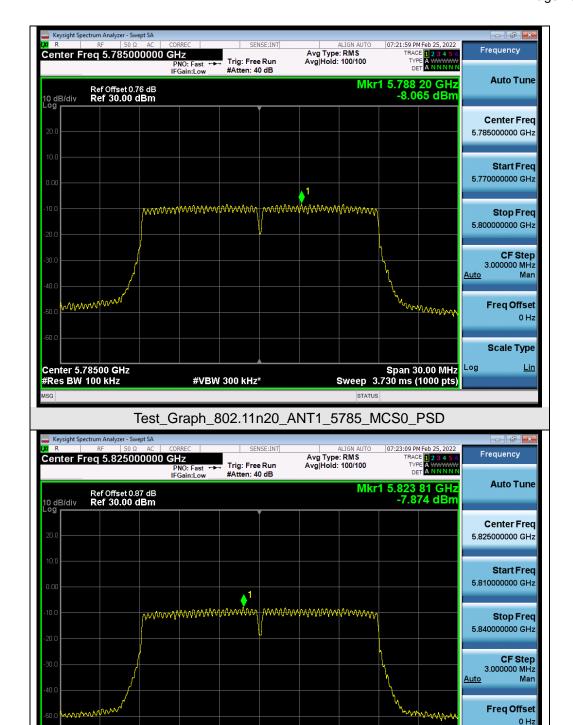
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Span 30.00 MHz Sweep 3.730 ms (1000 pts)





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

#VBW 300 kHz\*

Center 5.82500 GHz #Res BW 100 kHz



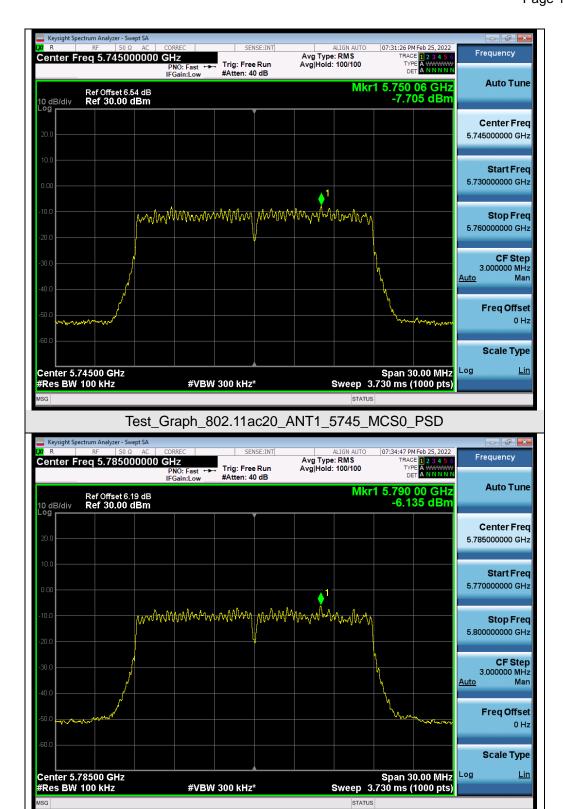


Test\_Graph\_802.11n40\_ANT1\_5795\_MCS0\_PSD

#VBW 300 kHz\*

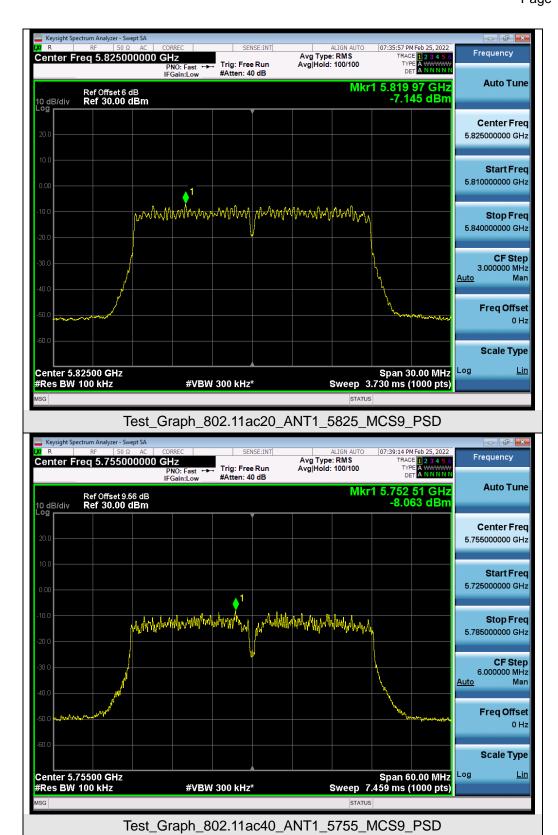
Web: http://www.agccert.com/



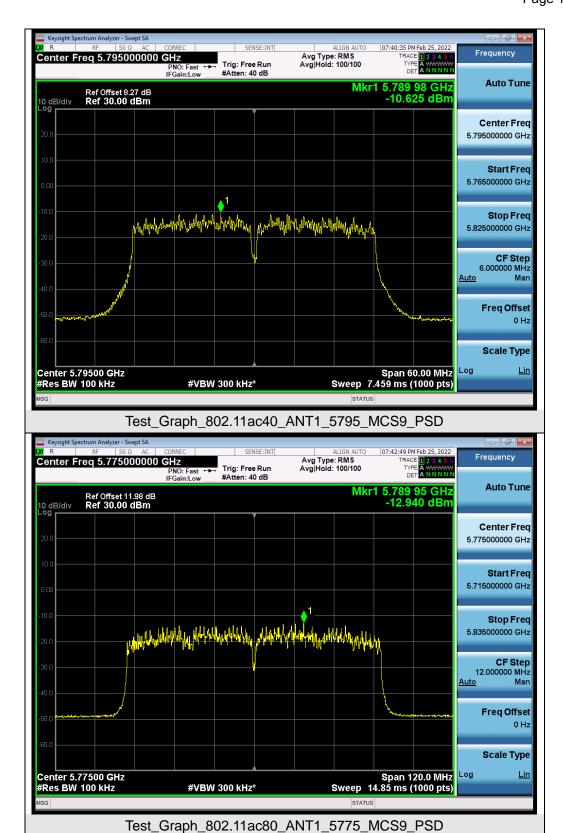


Test\_Graph\_802.11ac20\_ANT1\_5785\_MCS0\_PSD

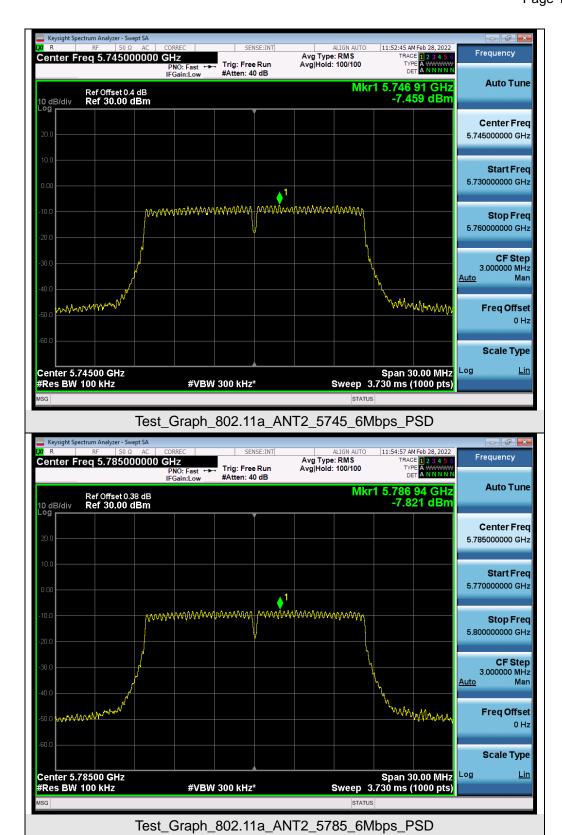




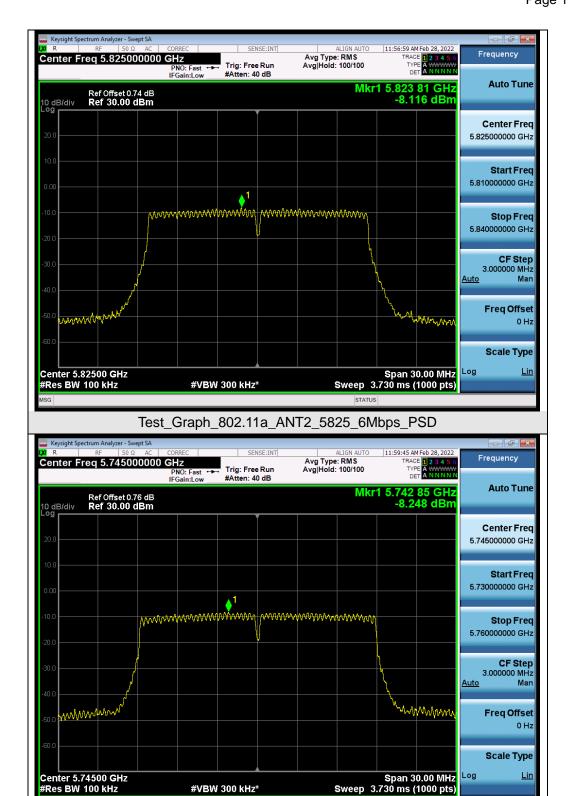






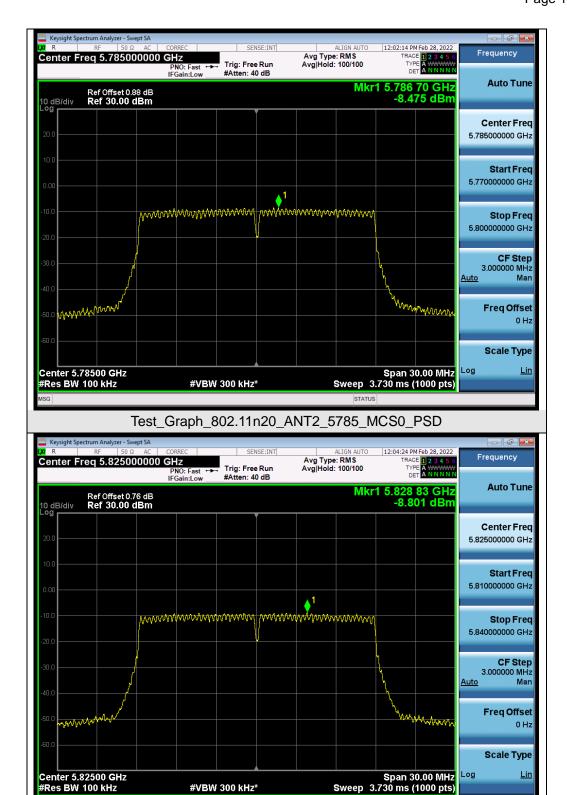






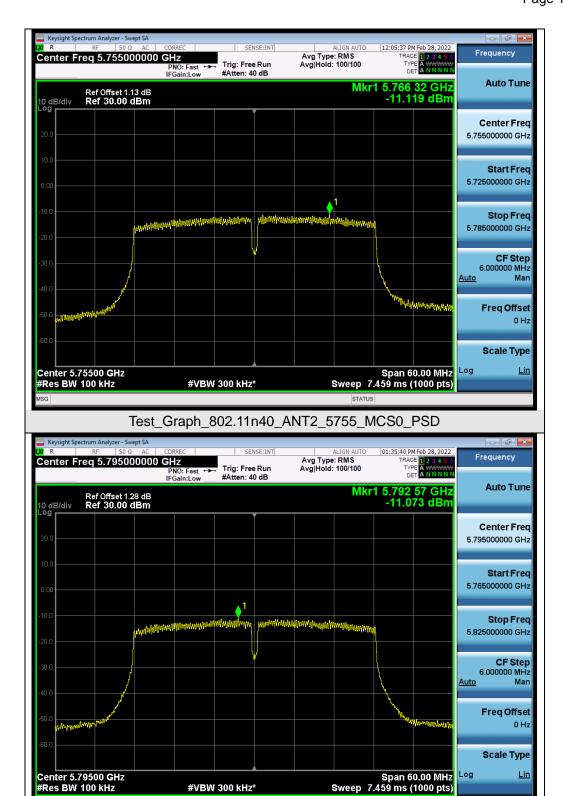
Test\_Graph\_802.11n20\_ANT2\_5745\_MCS0\_PSD





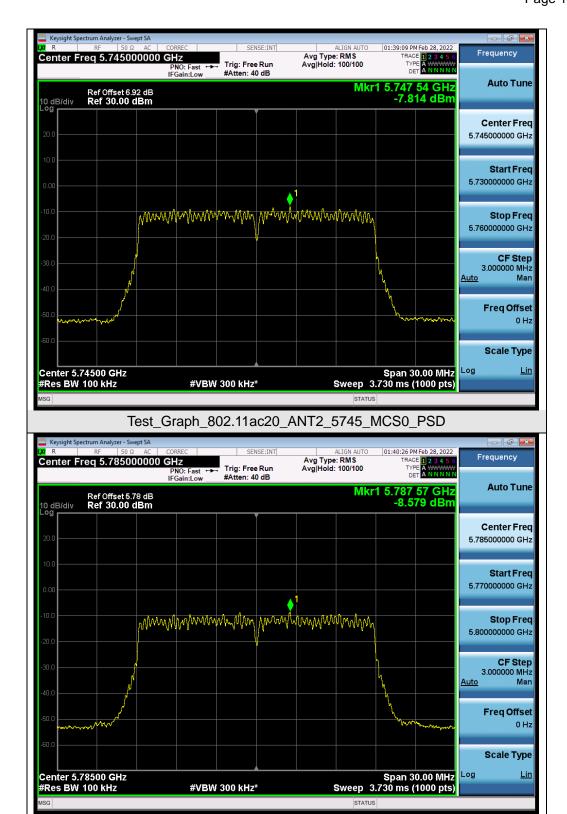
Test\_Graph\_802.11n20\_ANT2\_5825\_MCS0\_PSD





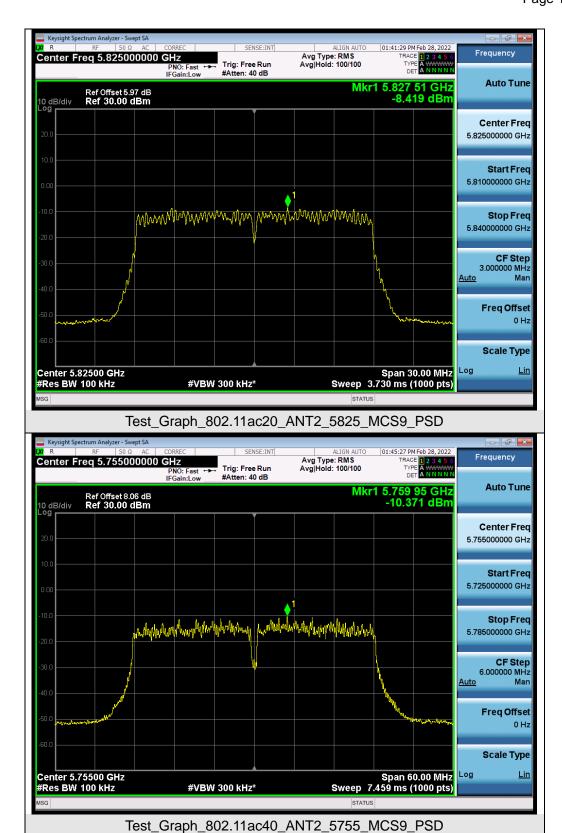
Test\_Graph\_802.11n40\_ANT2\_5795\_MCS0\_PSD



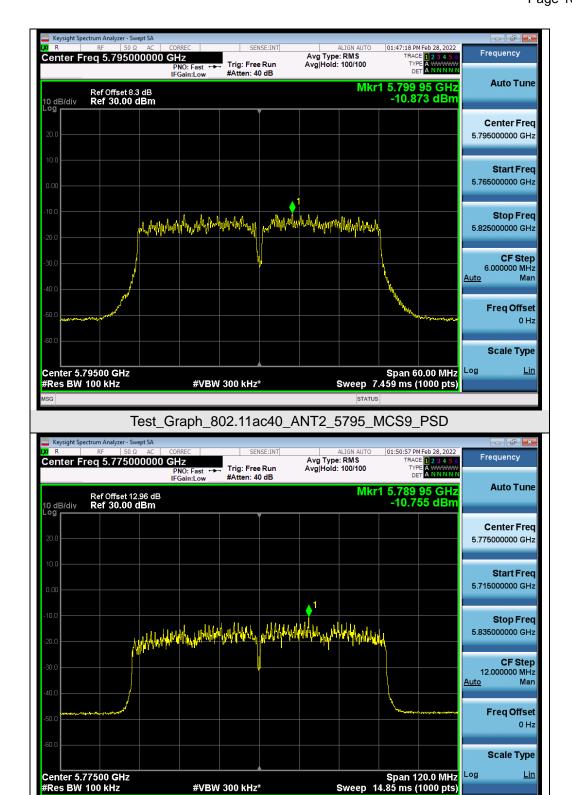


Test\_Graph\_802.11ac20\_ANT2\_5785\_MCS0\_PSD









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



Report No.: AGC11034220105FE06

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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

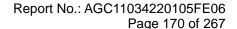
The same as described in section 6.

#### 10.4. LIMITS AND MEASUREMENT RESULT

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

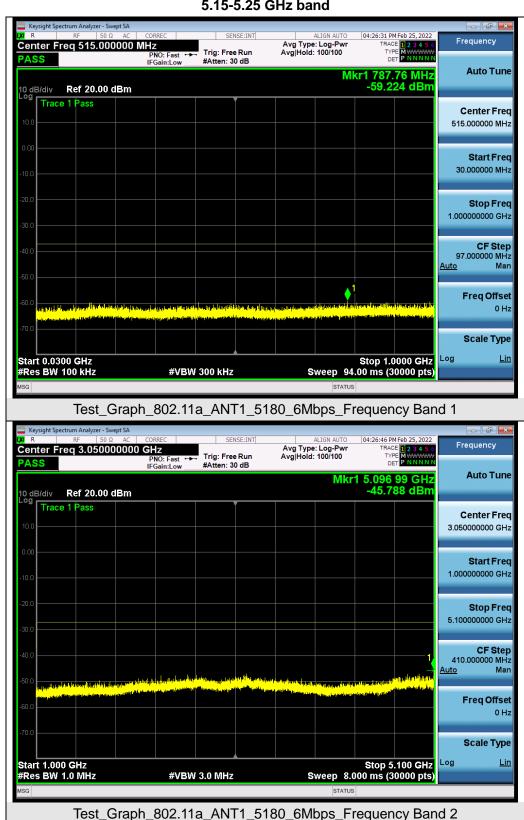
Note: All the 20MHz bandwidth modulation had been tested, the 802.11a20 was the worst case and record in his test report. All the 40MHz bandwidth modulation had been tested, the 802.11N40 was the worst case and record in his test report. All the 80MHz bandwidth modulation had been tested, the 802.11AC80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

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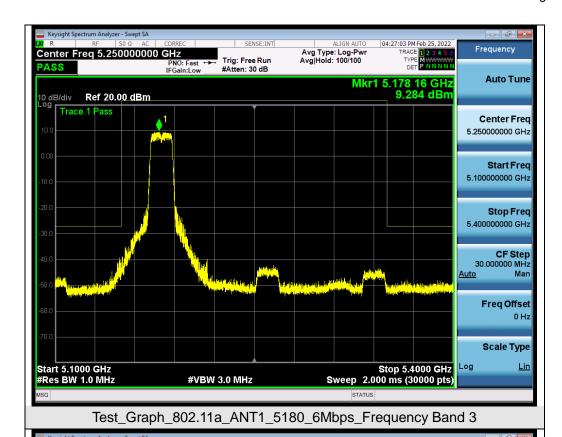


# Test Graphs of Spurious Emissions outside of the 5.15-5.35 GHz band for transmitters operating in the 5.15-5.25 GHz band



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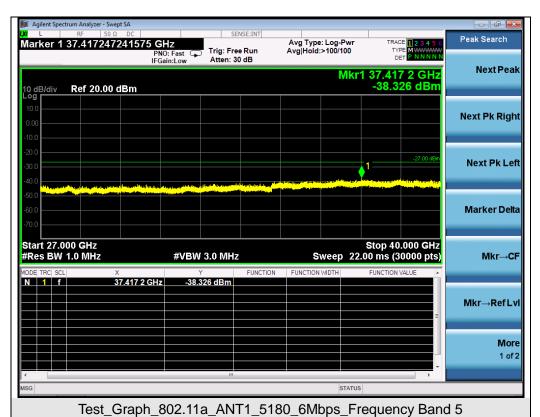




Test\_Graph\_802.11a\_ANT1\_5180\_6Mbps\_Frequency Band 4

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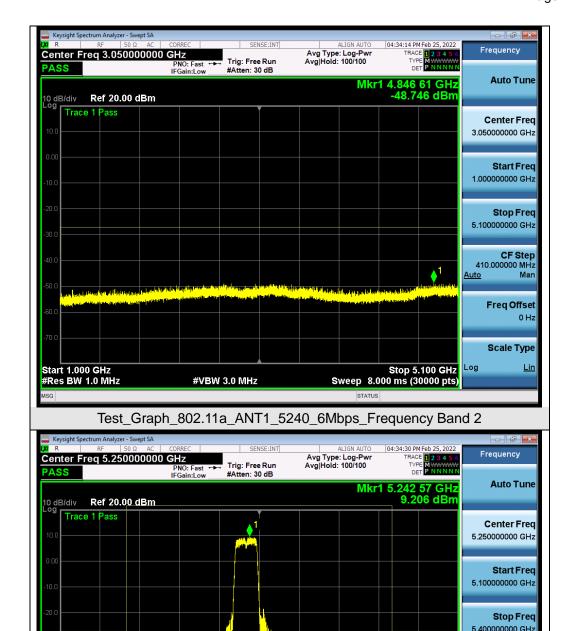
**CF Step** 30.000000 MHz <u>o</u> Man

> Freq Offset 0 Hz

Scale Type

Stop 5.4000 GHz Sweep 2.000 ms (30000 pts)





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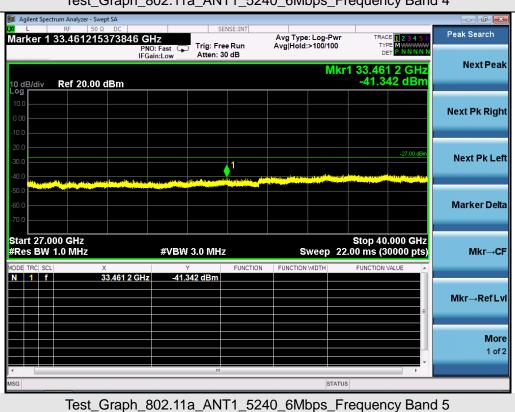
Test\_Graph\_802.11a\_ANT1\_5240\_6Mbps\_Frequency Band 3

**#VBW 3.0 MHz** 

Start 5.1000 GHz #Res BW 1.0 MHz







**CF Step** 410.000000 MHz <u>tto</u> Man

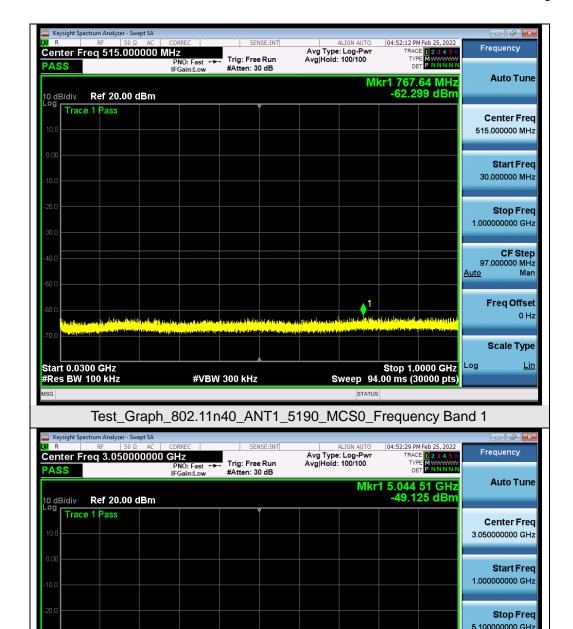
> Freq Offset 0 Hz

Scale Type

Log

Stop 5.100 GHz Sweep 8.000 ms (30000 pts)





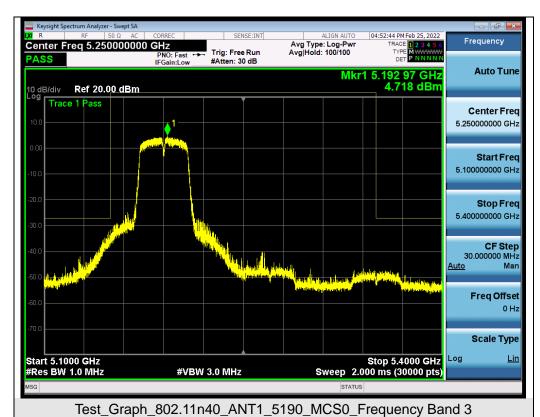
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Test\_Graph\_802.11n40\_ANT1\_5190\_MCS0\_Frequency Band 2

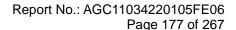
**#VBW 3.0 MHz** 

Start 1.000 GHz #Res BW 1.0 MHz

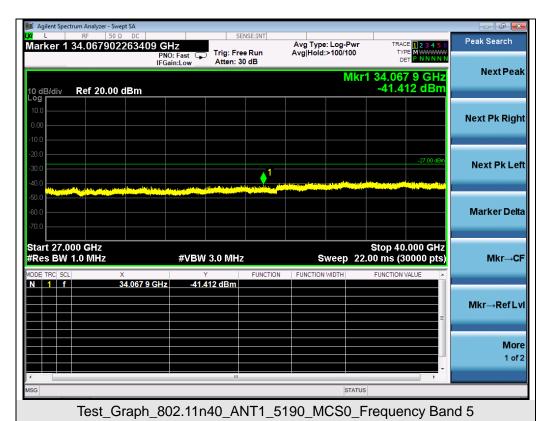


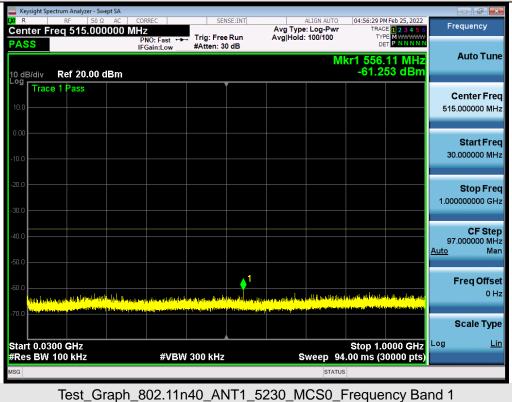




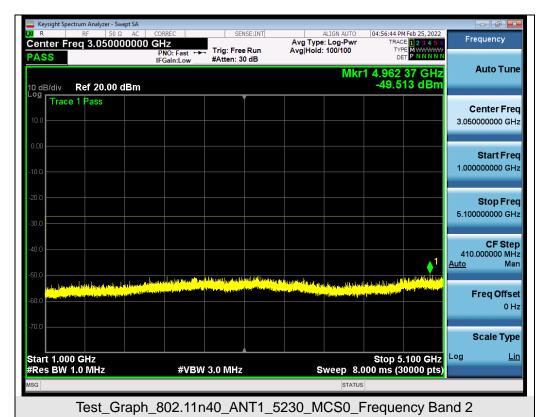












04:57:00 PM Feb 25, 2022 Avg Type: Log-Pwi Avg|Hold: 100/100 TYPE MWW
DET P N N Center Freq 5.250000000 GHz Trig: Free Run PNO: Fast **Auto Tune** Mkr1 5.233 02 GHz I0 dB/div 5.207 dBm Ref 20.00 dBm Trace 1 Center Freq 5.250000000 GHz Start Freq 5.100000000 GHz Stop Freq 5 400000000 GHz CF Step 30.000000 MHz Man Freq Offset 0 Hz Scale Type Start 5.1000 GHz #Res BW 1.0 MHz Stop 5.4000 GHz Sweep 2.000 ms (30000 pts) Log **#VBW 3.0 MHz** 

Test\_Graph\_802.11n40\_ANT1\_5230\_MCS0\_Frequency Band 3

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