





Stop Freq 5.220000000 GHz

CF Step 6.000000 MHz

Freq Offset

Scale Type

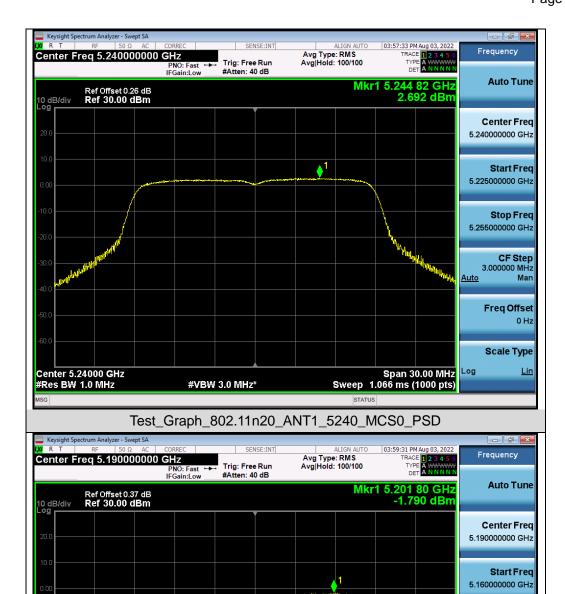
Mar

<u>Auto</u>

Log

Span 60.00 MHz Sweep 1.066 ms (1000 pts)





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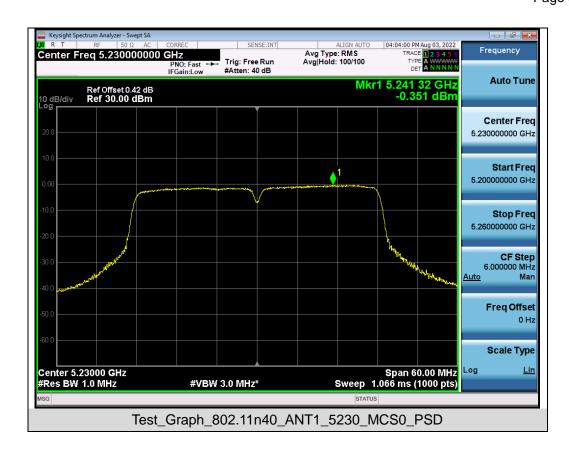
Test_Graph_802.11n40_ANT1_5190_MCS0_PSD

#VBW 3.0 MHz*

Attestation of Global Compliance(Shenzhen)Co., Ltd
Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd

Center 5.19000 GHz #Res BW 1.0 MHz





3.000000 MHz

Freq Offset

Scale Type

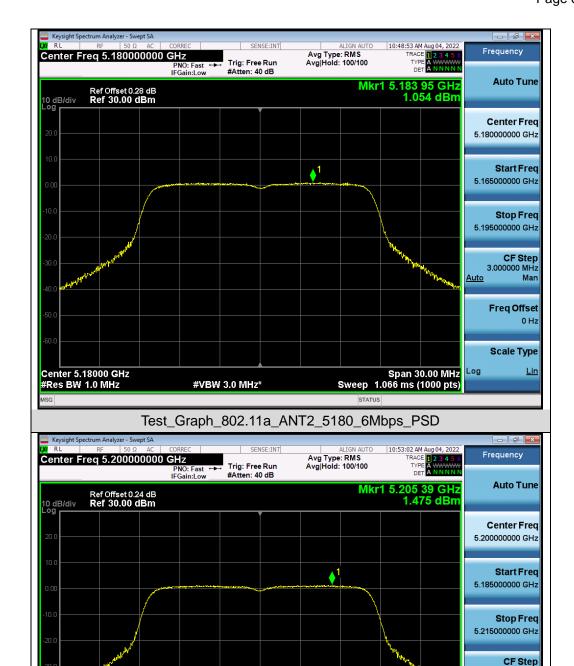
Mar

<u>Auto</u>

Log

Span 30.00 MHz Sweep 1.066 ms (1000 pts)





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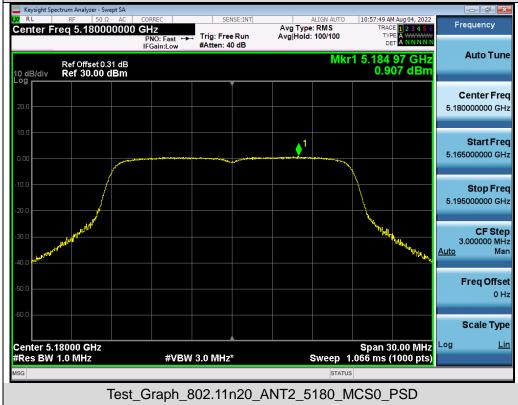
Test_Graph_802.11a_ANT2_5200_6Mbps_PSD

#VBW 3.0 MHz*

Center 5.20000 GHz #Res BW 1.0 MHz

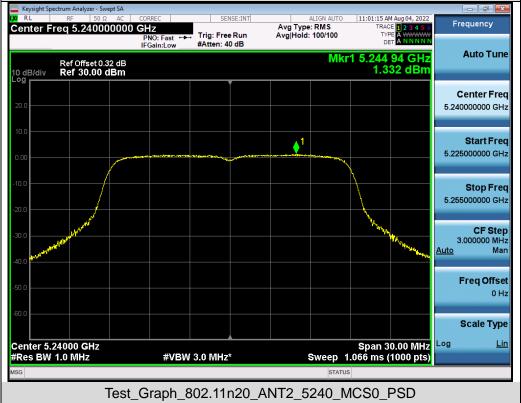












Scale Type

Log

Span 60.00 MHz Sweep 1.066 ms (1000 pts)





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Test_Graph_802.11n40_ANT2_5230_MCS0_PSD

#VBW 3.0 MHz*

Center 5.23000 GHz #Res BW 1.0 MHz

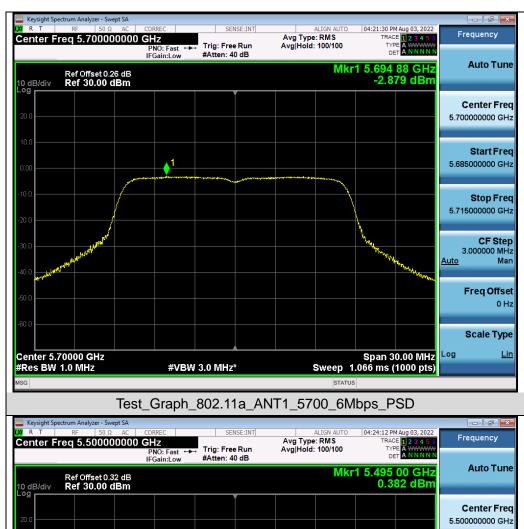


Test Graphs of Conducted Output Power Spectral Density for band 5.47-5.725 GHz



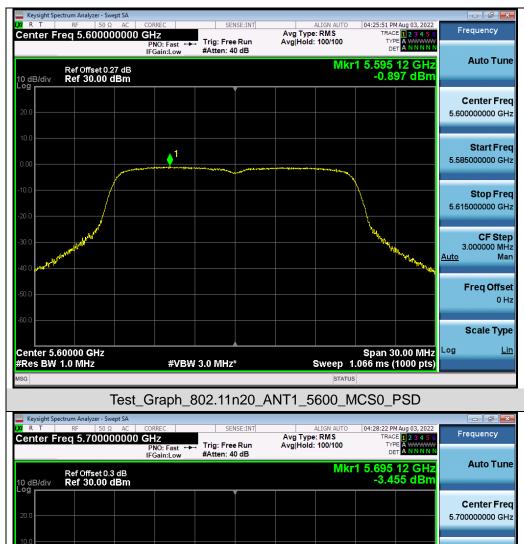
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CF Step 6.000000 MHz

Freq Offset

Scale Type

Mar

<u>Auto</u>

Log

Span 60.00 MHz Sweep 1.066 ms (1000 pts)





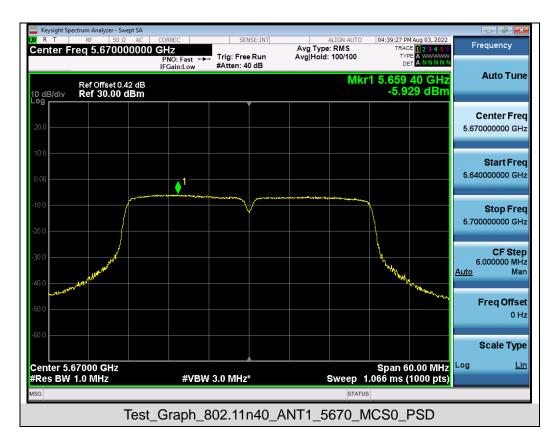
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Test_Graph_802.11n40_ANT1_5590_MCS0_PSD

#VBW 3.0 MHz*

Center 5.59000 GHz #Res BW 1.0 MHz







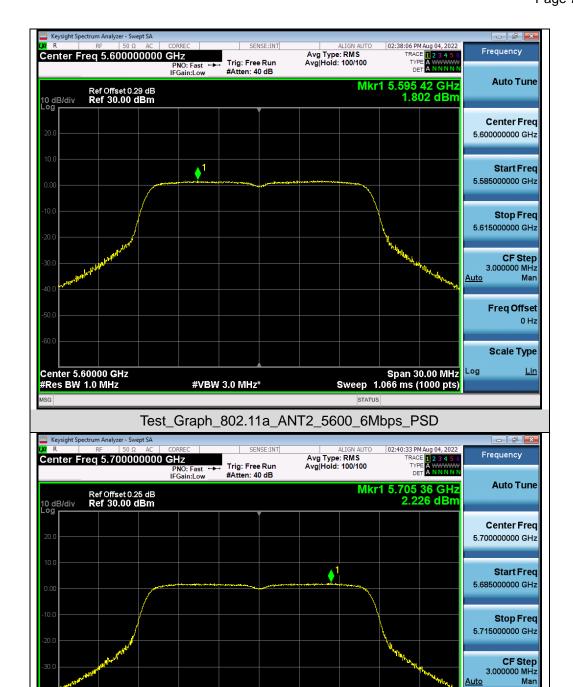
Freq Offset

Scale Type

Log

Span 30.00 MHz Sweep 1.066 ms (1000 pts)





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Test_Graph_802.11a_ANT2_5700_6Mbps_PSD

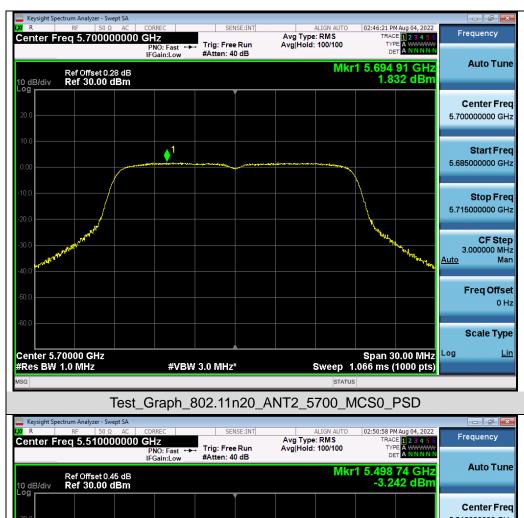
#VBW 3.0 MHz*

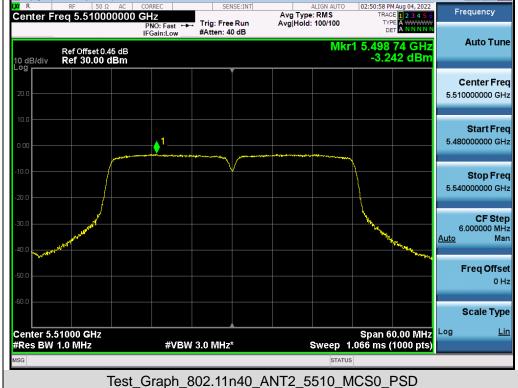
Center 5.70000 GHz #Res BW 1.0 MHz



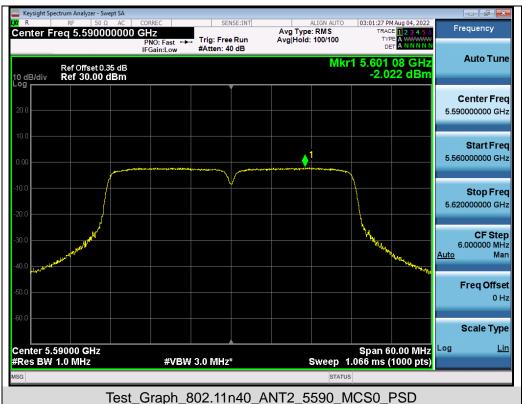








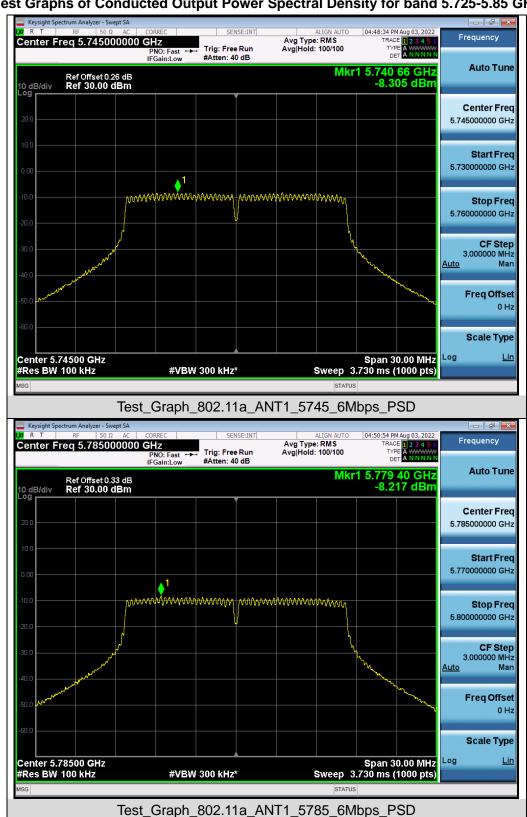








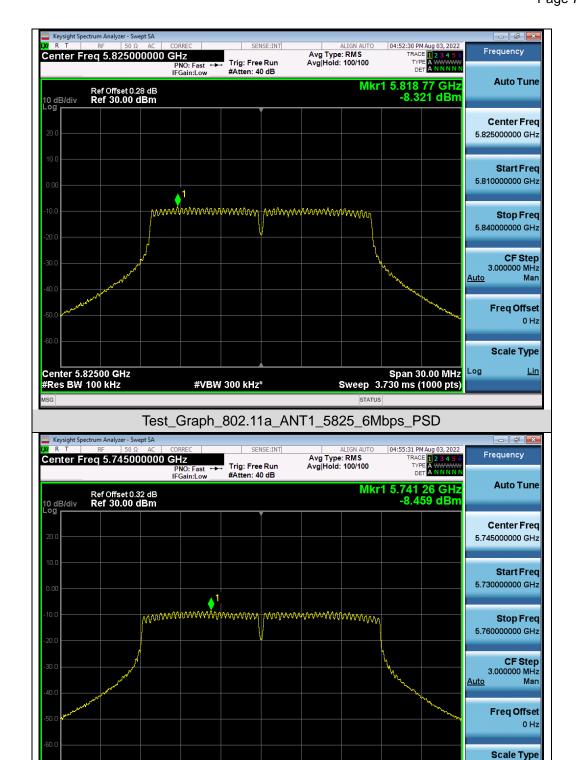
Test Graphs of Conducted Output Power Spectral Density for band 5.725-5.85 GHz



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Test_Graph_802.11n20_ANT1_5745_MCS0_PSD

#VBW 300 kHz*

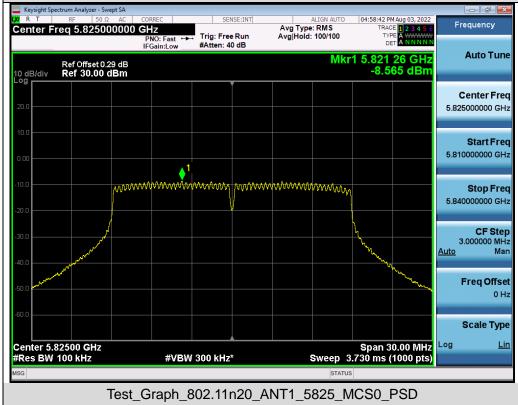
Span 30.00 MHz Sweep 3.730 ms (1000 pts)

Log

Center 5.74500 GHz #Res BW 100 kHz





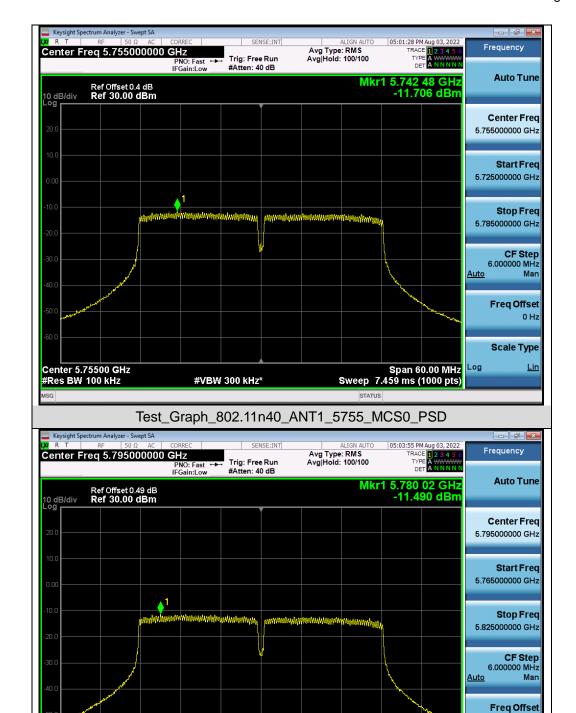


Scale Type

Log

Span 60.00 MHz Sweep 7.459 ms (1000 pts)





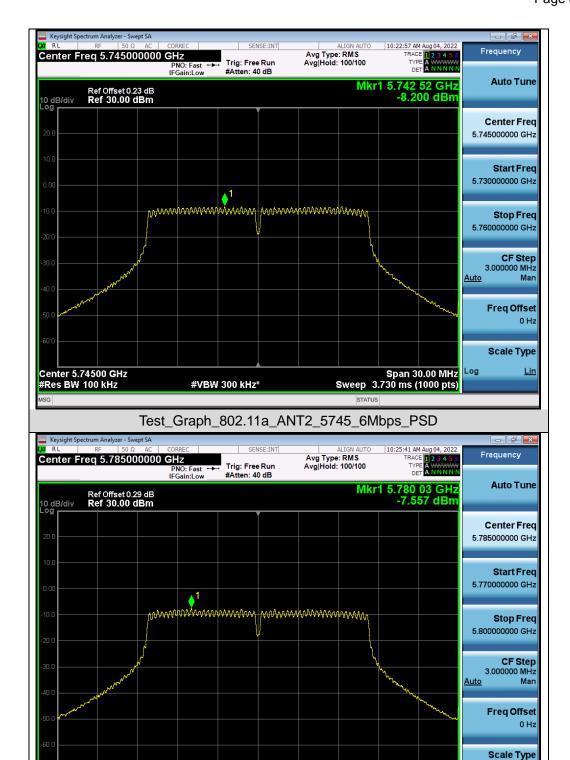
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Test_Graph_802.11n40_ANT1_5795_MCS0_PSD

#VBW 300 kHz*

Center 5.79500 GHz #Res BW 100 kHz





Test_Graph_802.11a_ANT2_5785_6Mbps_PSD

#VBW 300 kHz*

Span 30.00 MHz Sweep 3.730 ms (1000 pts)

Log

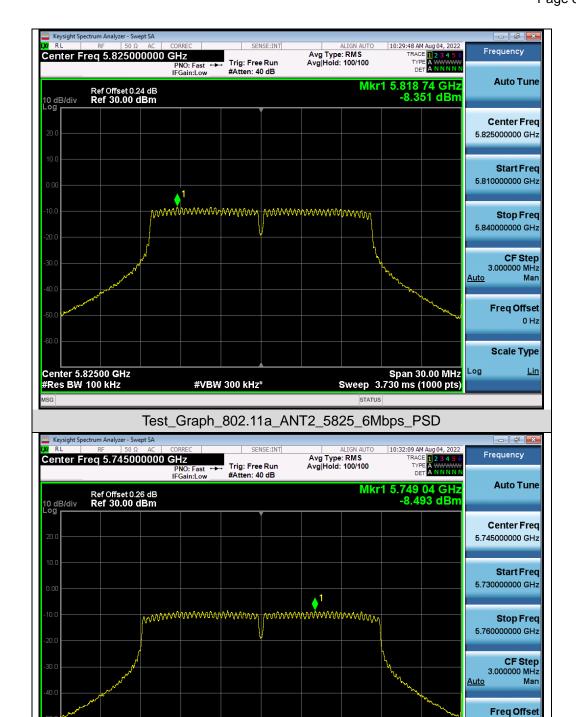
Center 5.78500 GHz #Res BW 100 kHz

Scale Type

Log

Span 30.00 MHz Sweep 3.730 ms (1000 pts)





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Test_Graph_802.11n20_ANT2_5745_MCS0_PSD

#VBW 300 kHz*

Center 5.74500 GHz #Res BW 100 kHz

<u>Auto</u>

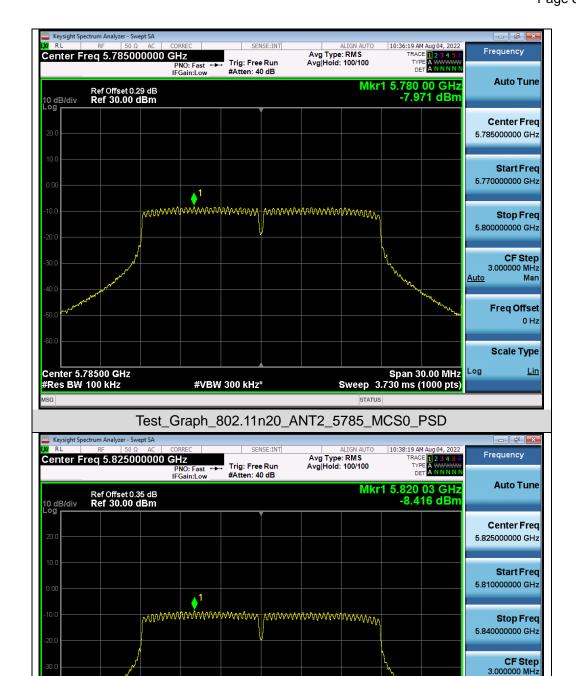
Log

Span 30.00 MHz Sweep 3.730 ms (1000 pts) Mar

Freq Offset 0 Hz

Scale Type





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Test_Graph_802.11n20_ANT2_5825_MCS0_PSD

#VBW 300 kHz*

Center 5.82500 GHz #Res BW 100 kHz

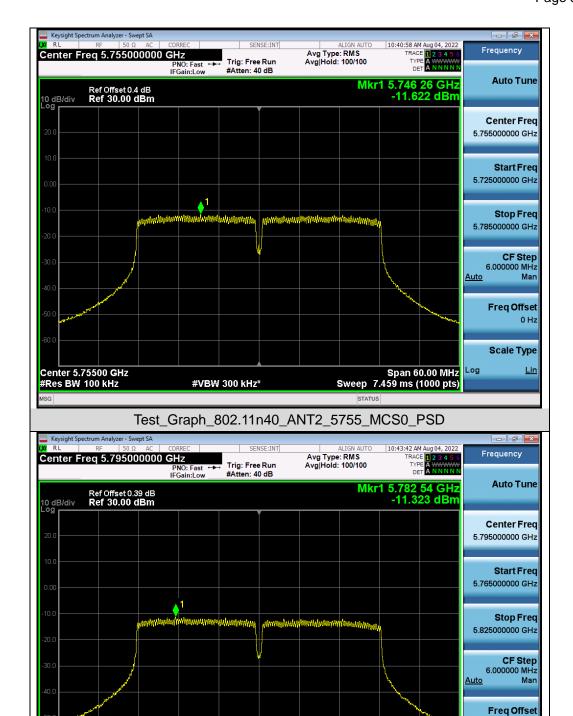
0 Hz

Scale Type

Log

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



Report No.: AGC12845220706FE06

Page 85 of 175

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

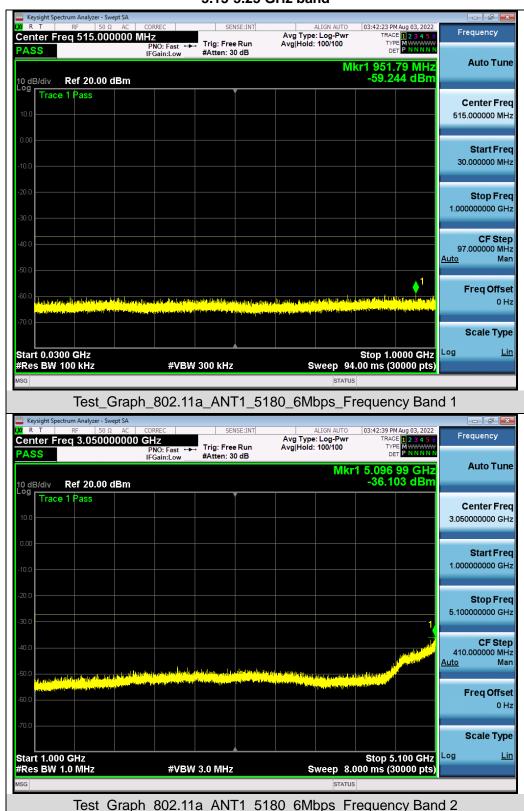
LIMITS AND MEASUREMENT RESULT		
Applicable Limits	Measurement Result	
	Test channel	Criteri
-27dBm/MHz	5150MHz-5250MH	PASS
All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or	Z	
below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, 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 of the band edge, and from 5 MHz above or below the band edge.	5725MHz-5850MH z	PASS
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.

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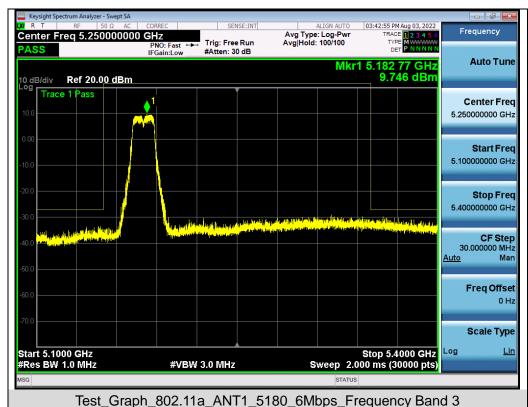


Test Graphs of Spurious Emissions outside of the 5.15-5.35 GHz band for transmitters operating in the 5.15-5.25 GHz band



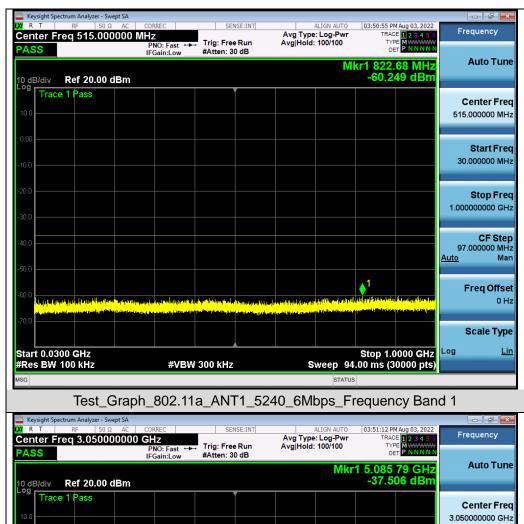
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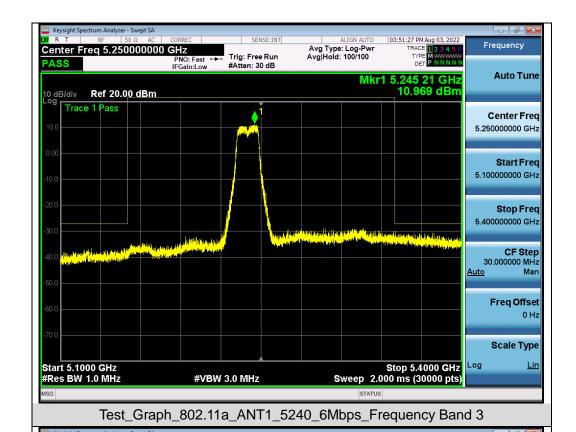


Scale Type

Log

Stop 27.00 GHz Sweep 56.00 ms (30000 pts)





03:51:48 PM Aug 03, 2022

TRACE 1 2 3 4 5 6

TYPE M Center Freq 16.200000000 GHz
PASS
PASS Frequency Avg Type: Log-Pwi Avg|Hold: 100/100 Trig: Free Run #Atten: 30 dB **Auto Tune** Mkr1 5.408 6 GHz -32.295 dBm 10 dB/div Ref 20.00 dBm Trace 1 Pass Center Freq 16.200000000 GHz Start Fred 5.400000000 GHz 27.000000000 GHz **CF Step** 2.160000000 GHz <u>Auto</u> Freq Offset 0 Hz

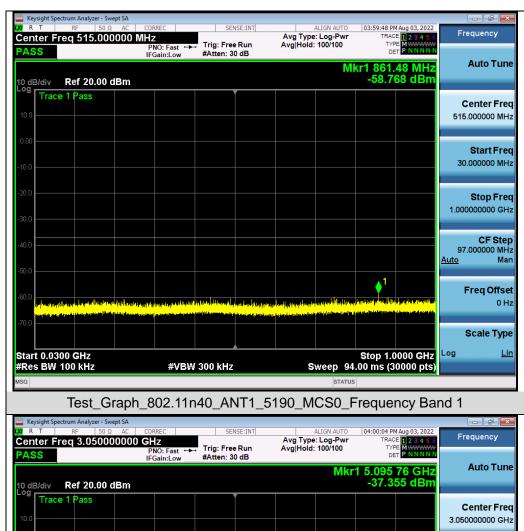
Test_Graph_802.11a_ANT1_5240_6Mbps_Frequency Band 4

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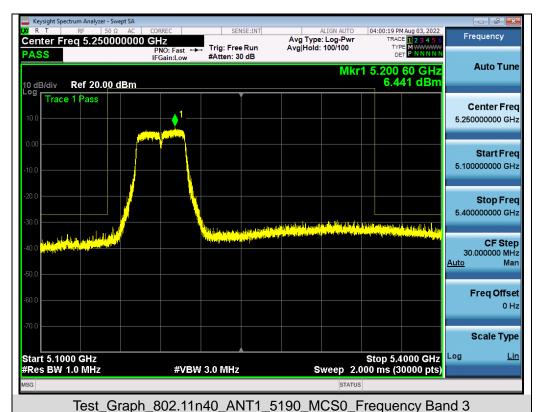
#VBW 3.0 MHz

Start 5.40 GHz #Res BW 1.0 MHz









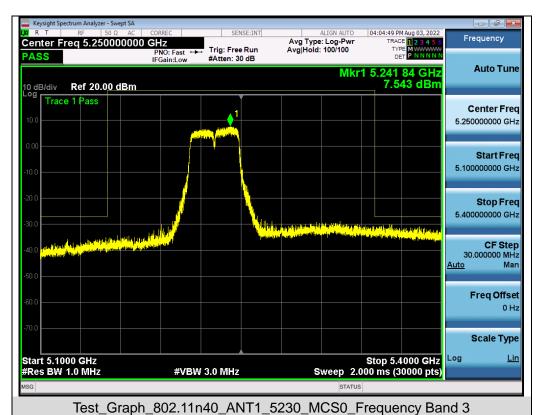
Center Freq 16.200000000 GHz
PASS
PASS 04:00:41 PM Aug 03, 2022 Frequency Avg Type: Log-Pwi Avg|Hold: 100/100 Trig: Free Run #Atten: 30 dB **Auto Tune** Mkr1 5.401 4 GHz -33.120 dBm 10 dB/div Ref 20.00 dBm Trace 1 Pass Center Freq 16.200000000 GHz Start Fred 5.400000000 GHz 27.000000000 GHz **CF Step** 2.160000000 GHz <u>Auto</u> Freq Offset 0 Hz Scale Type Start 5.40 GHz #Res BW 1.0 MHz Stop 27.00 GHz Sweep 56.00 ms (30000 pts) Log #VBW 3.0 MHz Test_Graph_802.11n40_ANT1_5190_MCS0_Frequency Band 4









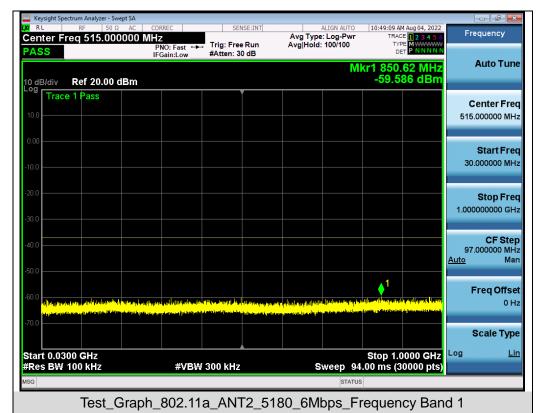




Test_Graph_802.11n40_ANT1_5230_MCS0_Frequency Band 4

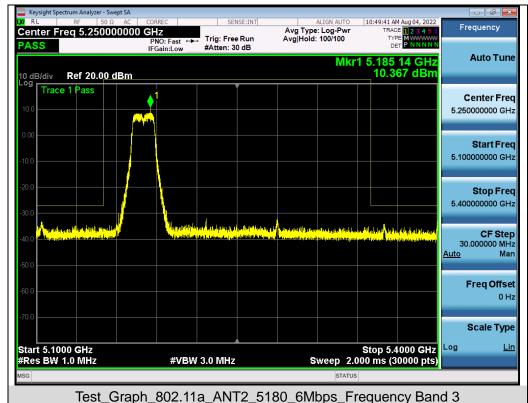
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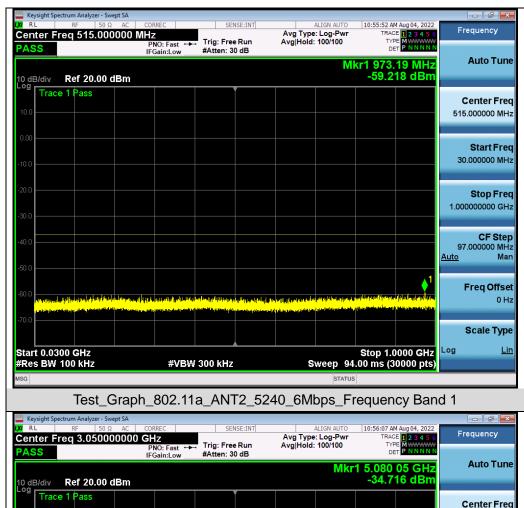


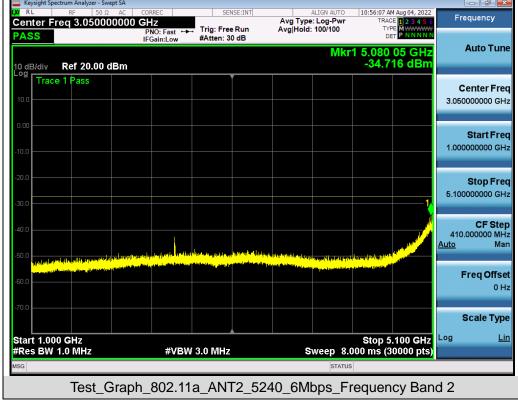




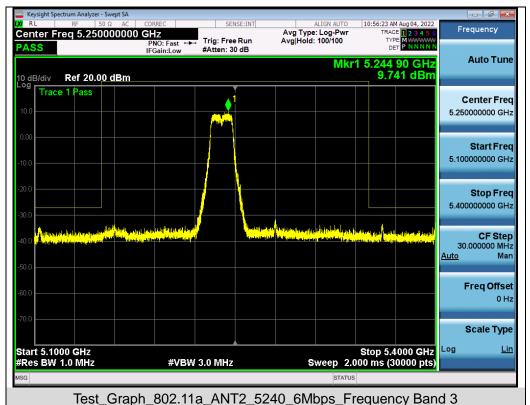






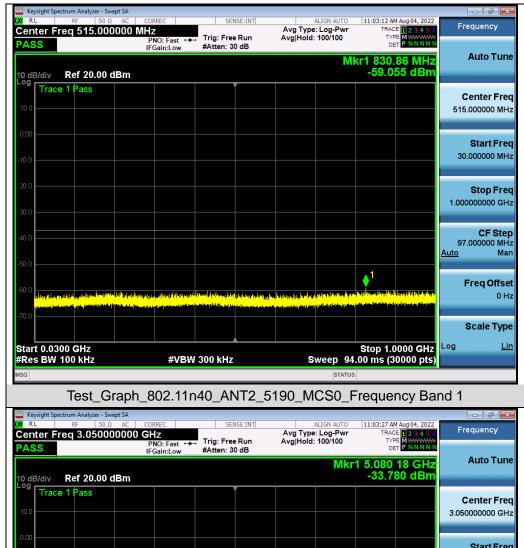




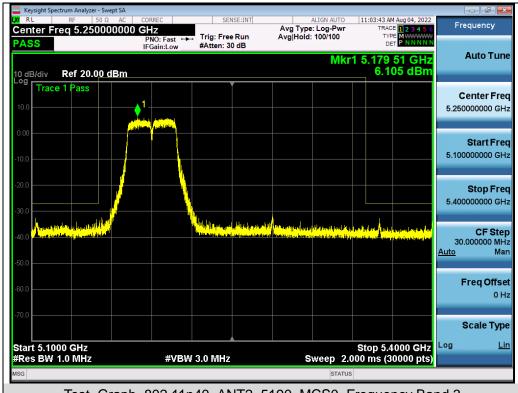




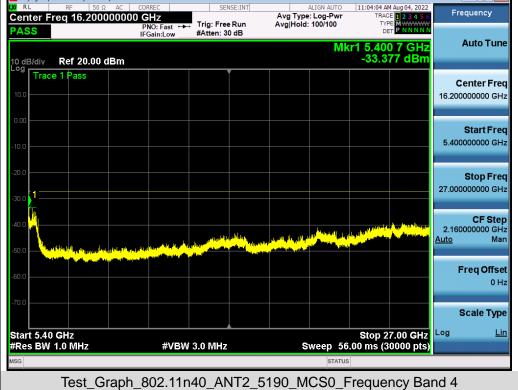








Test_Graph_802.11n40_ANT2_5190_MCS0_Frequency Band 3



5.100000000 GHz

<u>Auto</u>

Log

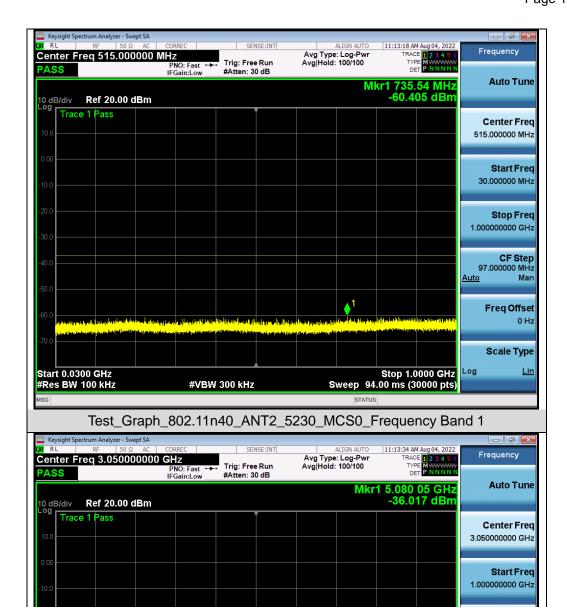
Stop 5.100 GHz Sweep 8.000 ms (30000 pts) CF Step 410.000000 MHz

> Freq Offset 0 Hz

Scale Type

Mar





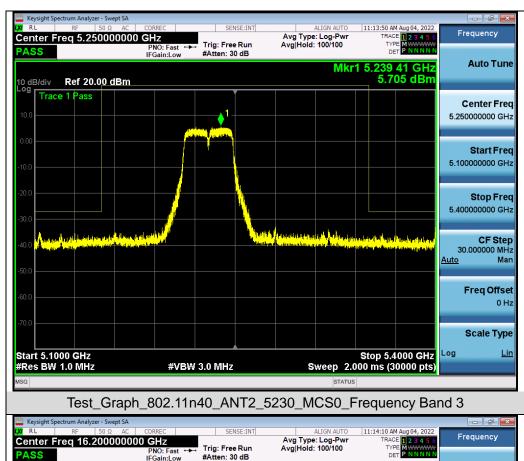
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Test_Graph_802.11n40_ANT2_5230_MCS0_Frequency Band 2

#VBW 3.0 MHz

Start 1.000 GHz #Res BW 1.0 MHz

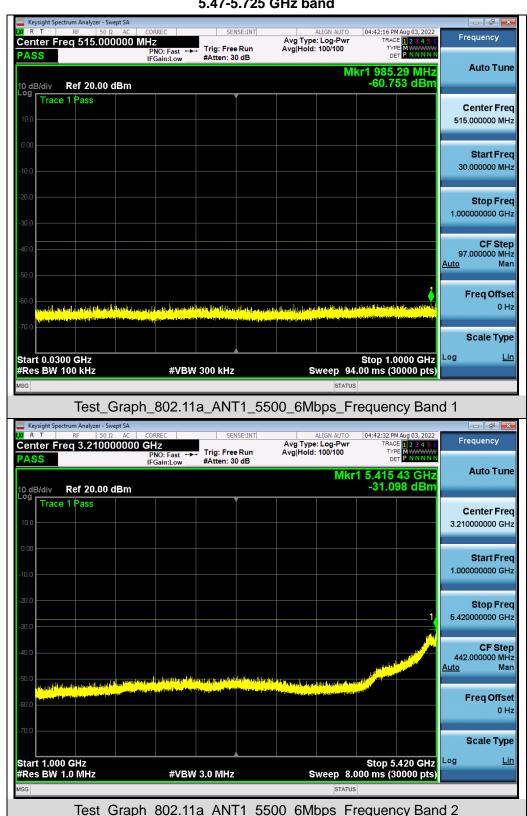






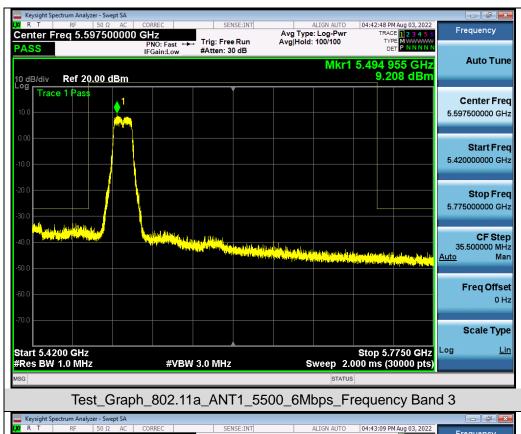


Test Graphs of Spurious Emissions outside of the 5.15-5.35 GHz band for transmitters operating in the 5.47-5.725 GHz band



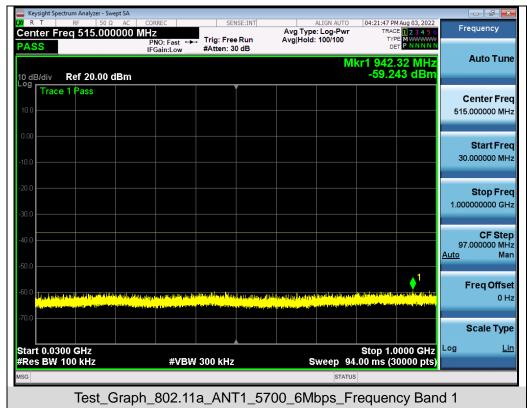
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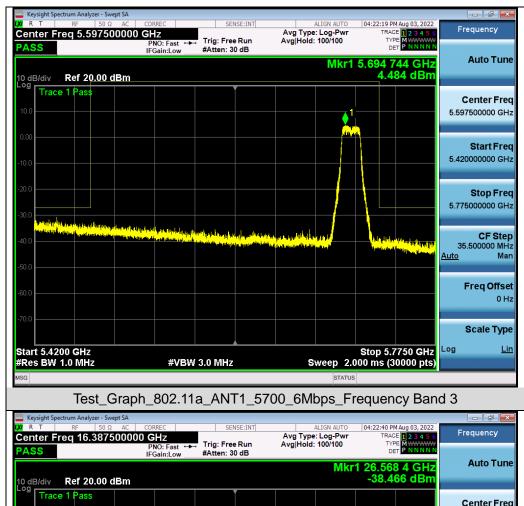


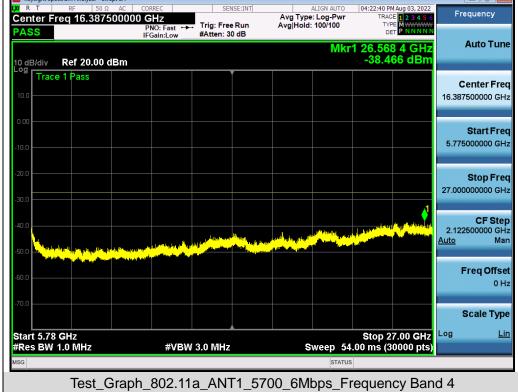












1.000000000 GHz

Stop Freq 5.420000000 GHz

CF Step 442.000000 MHz

> Freq Offset 0 Hz

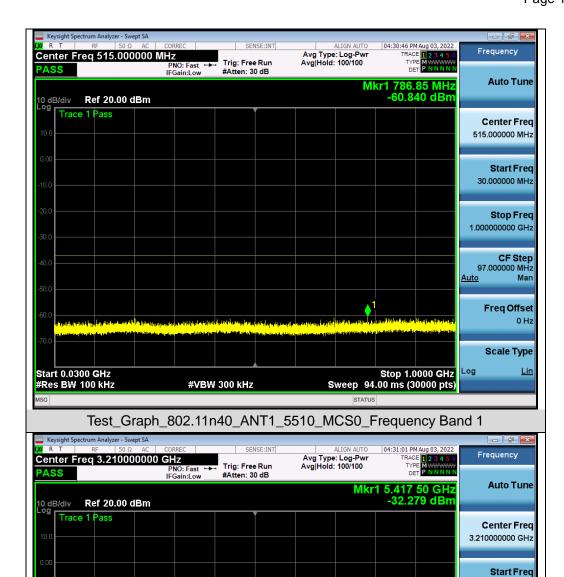
Scale Type

Mar

<u>Auto</u>

Log



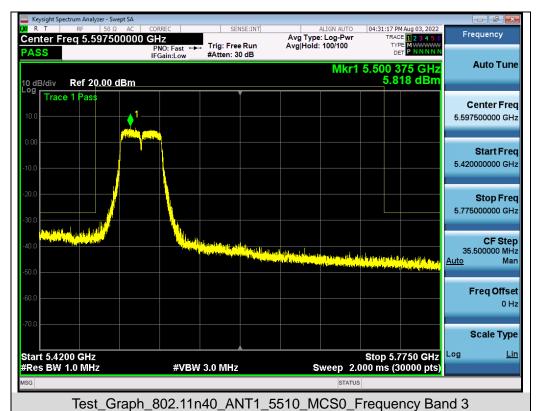


Start 1.000 GHz #Res BW 1.0 MHz Stop 5.420 GHz Sweep 8.000 ms (30000 pts) #VBW 3.0 MHz Test_Graph_802.11n40_ANT1_5510_MCS0_Frequency Band 2

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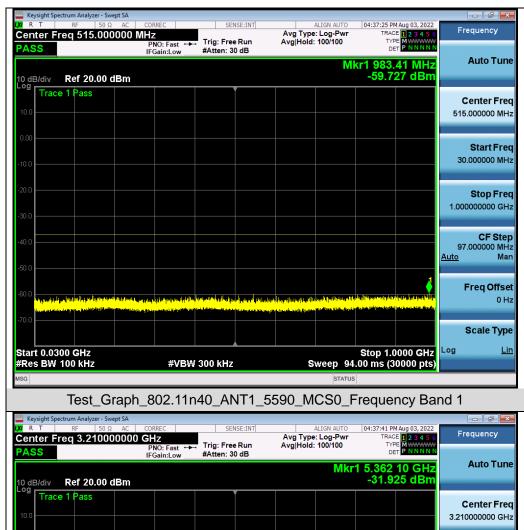
Web: http://www.agccert.com/





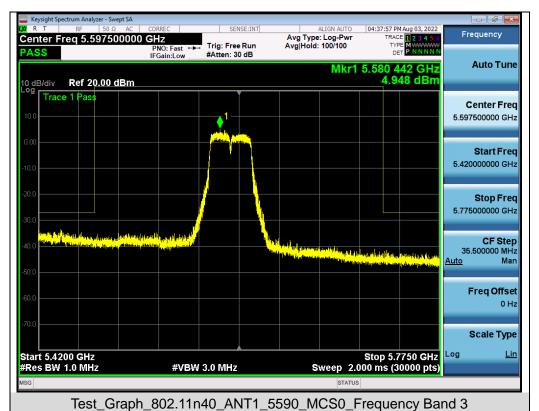






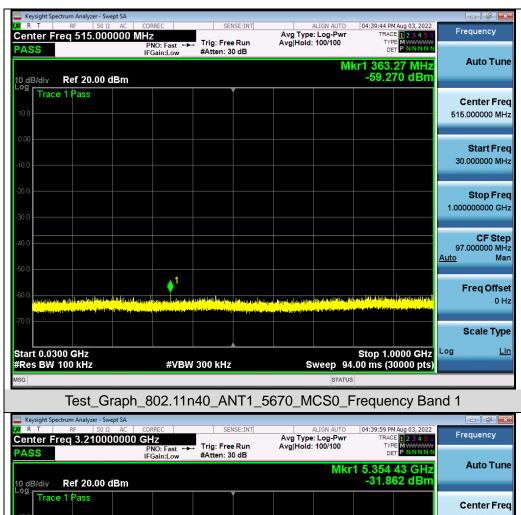
Start Fred 1.000000000 GHz Stop Freq 5.420000000 GHz **CF Step** 442.000000 MHz <u>Auto</u> Mar Freq Offset 0 Hz Scale Type Start 1.000 GHz #Res BW 1.0 MHz Stop 5.420 GHz Sweep 8.000 ms (30000 pts) Log #VBW 3.0 MHz Test_Graph_802.11n40_ANT1_5590_MCS0_Frequency Band 2











3.210000000 GHz Start Fred 1.000000000 GHz Stop Freq 5.420000000 GHz **CF Step** 442.000000 MHz <u>Auto</u> Mar Freq Offset 0 Hz Scale Type Start 1.000 GHz #Res BW 1.0 MHz Stop 5.420 GHz Sweep 8.000 ms (30000 pts) Log #VBW 3.0 MHz Test_Graph_802.11n40_ANT1_5670_MCS0_Frequency Band 2



