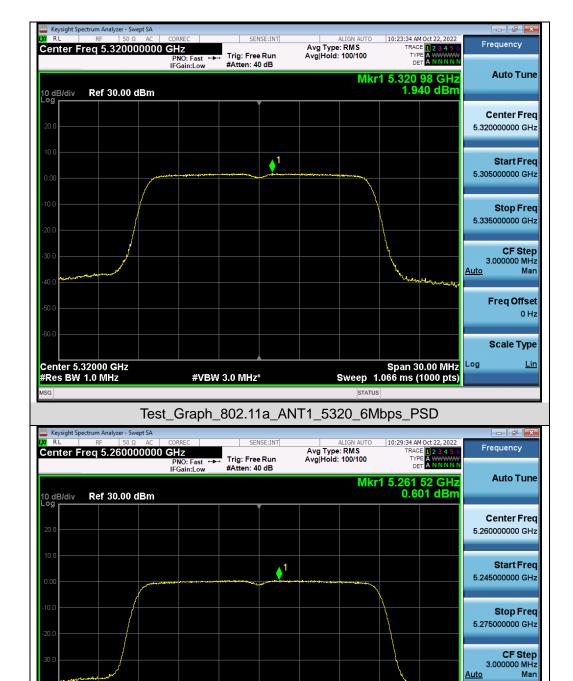
Scale Type

Log

Span 30.00 MHz Sweep 1.066 ms (1000 pts)





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Test_Graph_802.11n20_ANT1_5260_MCS0_PSD

#VBW 3.0 MHz*

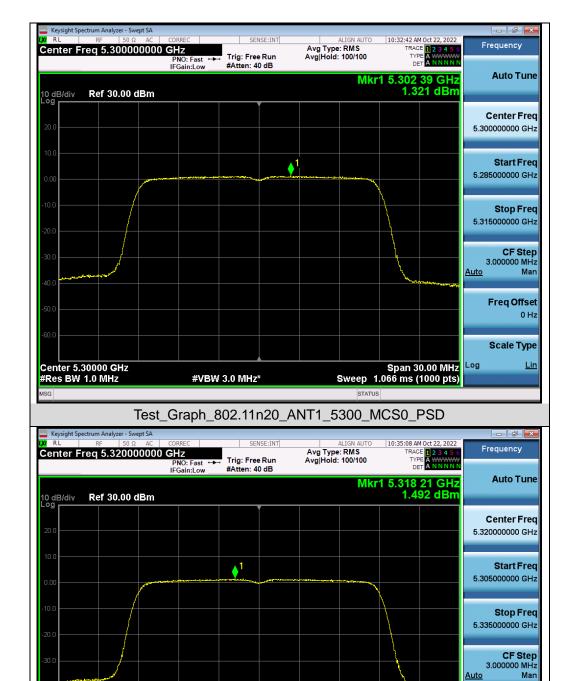
Center 5.26000 GHz #Res BW 1.0 MHz

Scale Type

Log

Span 30.00 MHz Sweep 1.066 ms (1000 pts)





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Test_Graph_802.11n20_ANT1_5320_MCS0_PSD

#VBW 3.0 MHz*

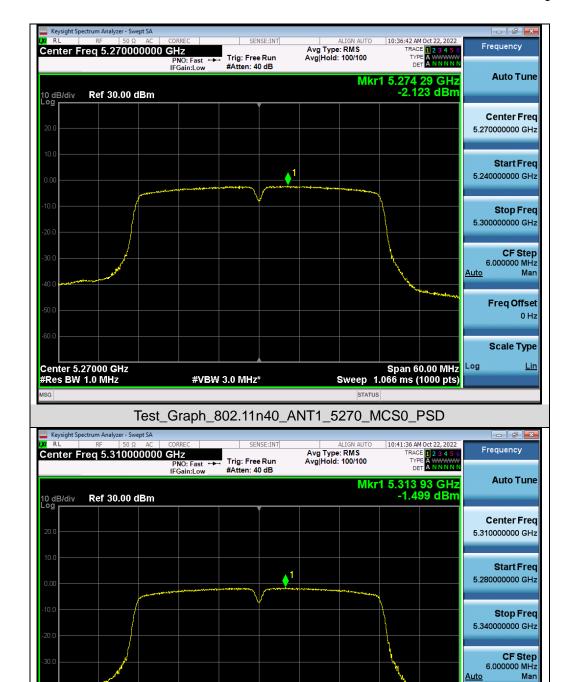
Center 5.32000 GHz #Res BW 1.0 MHz

Scale Type

Log

Span 60.00 MHz Sweep 1.066 ms (1000 pts)





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Test_Graph_802.11n40_ANT1_5310_MCS0_PSD

#VBW 3.0 MHz*

Center 5.31000 GHz #Res BW 1.0 MHz

5.285000000 GHz

Stop Freq 5.315000000 GHz

CF Step 3.000000 MHz

Freq Offset

Scale Type

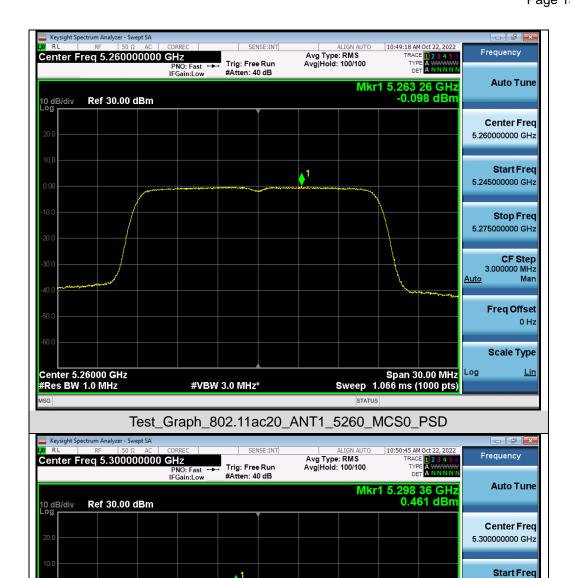
Mar

<u>Auto</u>

Log

Span 30.00 MHz Sweep 1.066 ms (1000 pts)





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Test_Graph_802.11ac20_ANT1_5300_MCS0_PSD

#VBW 3.0 MHz*

Center 5.30000 GHz #Res BW 1.0 MHz

CF Step 6.000000 MHz

Freq Offset

Scale Type

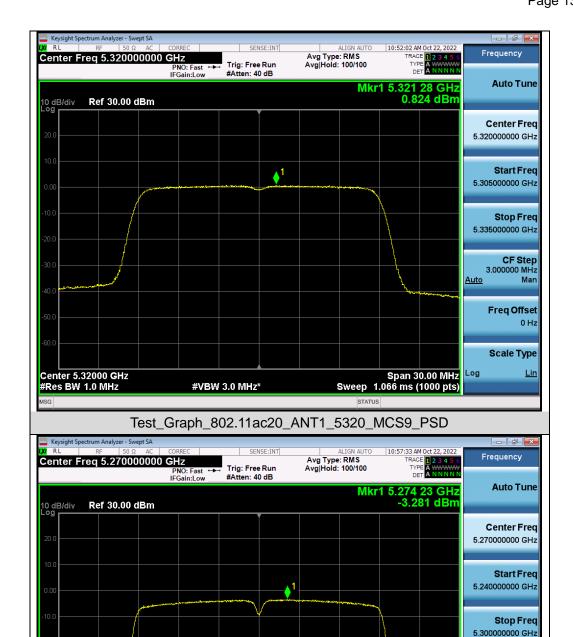
Mar

<u>Auto</u>

Log

Span 60.00 MHz Sweep 1.066 ms (1000 pts)





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Test_Graph_802.11ac40_ANT1_5270_MCS9_PSD

#VBW 3.0 MHz*

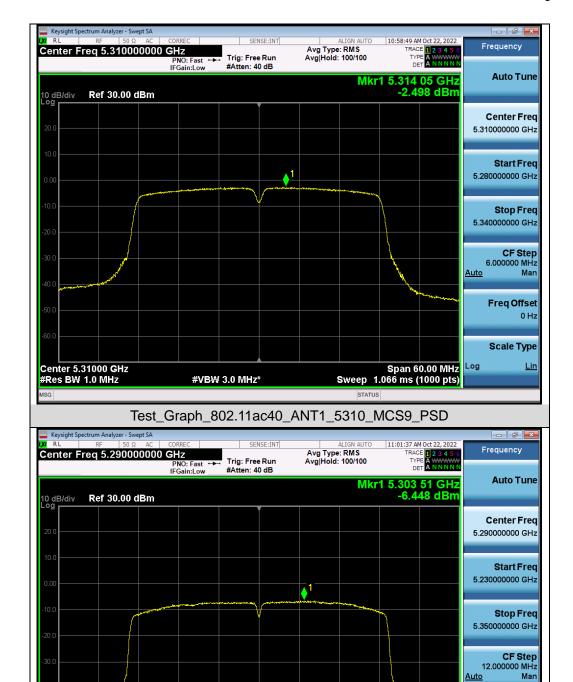
Center 5.27000 GHz #Res BW 1.0 MHz

Scale Type

Log

Span 120.0 MHz Sweep 1.066 ms (1000 pts)





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Test_Graph_802.11ac80_ANT1_5290_MCS9_PSD

#VBW 3.0 MHz*

Center 5.29000 GHz #Res BW 1.0 MHz

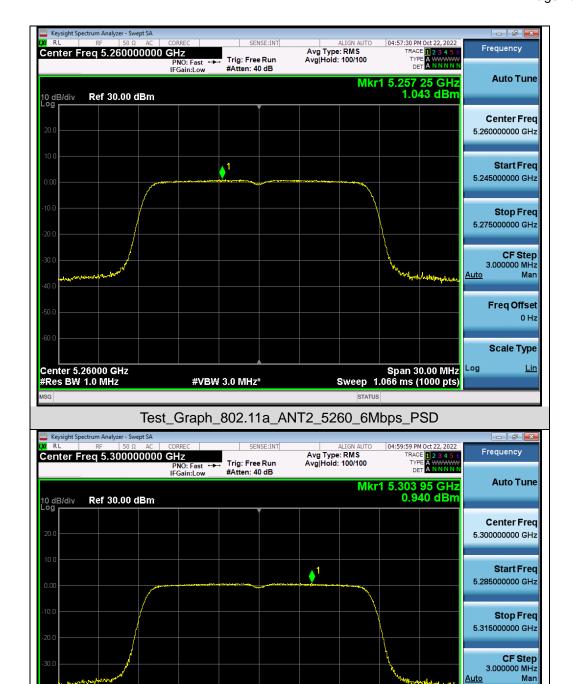
Freq Offset

Scale Type

Log

Span 30.00 MHz Sweep 1.066 ms (1000 pts)





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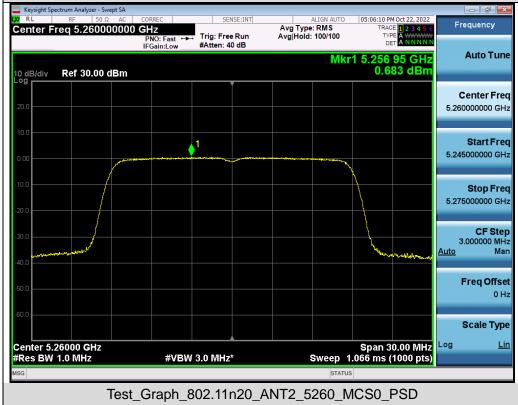
Test_Graph_802.11a_ANT2_5300_6Mbps_PSD

#VBW 3.0 MHz*

Center 5.30000 GHz #Res BW 1.0 MHz







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3.000000 MHz

Freq Offset 0 Hz

Scale Type

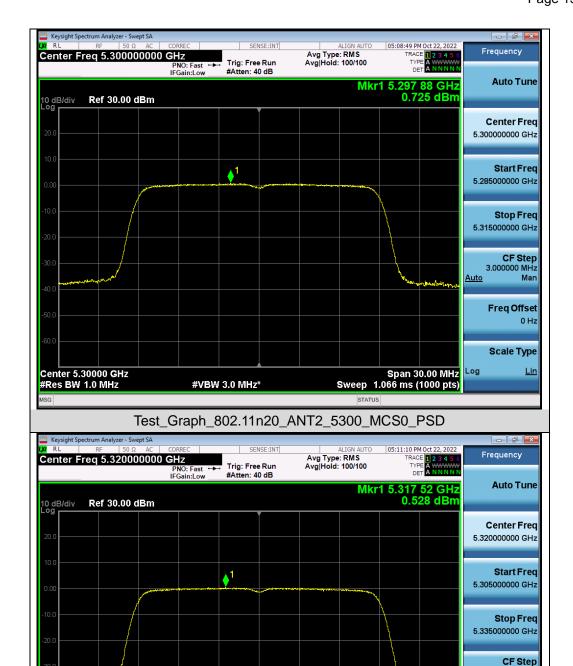
Mar

<u>Auto</u>

Log

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

Stop Freq 5.340000000 GHz

CF Step 6.000000 MHz

Freq Offset 0 Hz

Scale Type

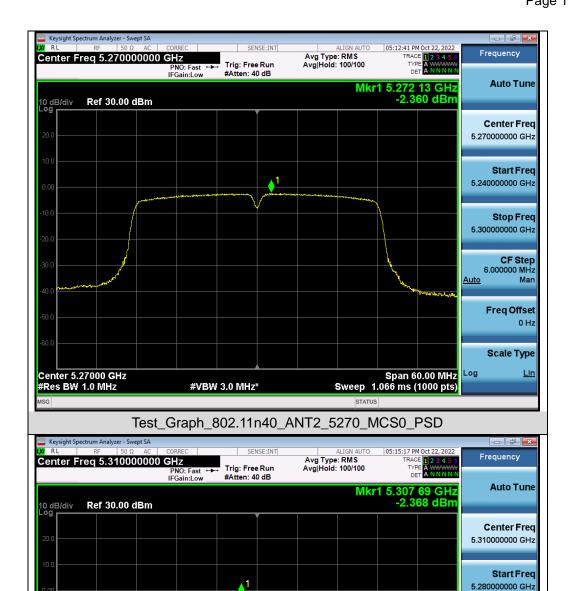
Mar

<u>Auto</u>

Log

Span 60.00 MHz Sweep 1.066 ms (1000 pts)





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Test_Graph_802.11n40_ANT2_5310_MCS0_PSD

#VBW 3.0 MHz*

Center 5.31000 GHz #Res BW 1.0 MHz

Stop Freq 5.315000000 GHz

CF Step 3.000000 MHz

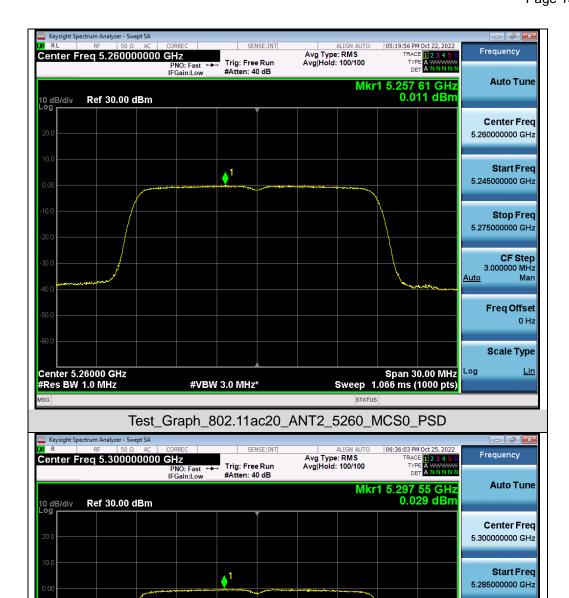
Freq Offset

Scale Type

Mar

<u>Auto</u>





Center 5.30000 GHz
#Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.066 ms (1000 pts)

Test_Graph_802.11ac20_ANT2_5300_MCS0_PSD

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Freq Offset

Scale Type

Log

Span 60.00 MHz Sweep 1.066 ms (1000 pts)





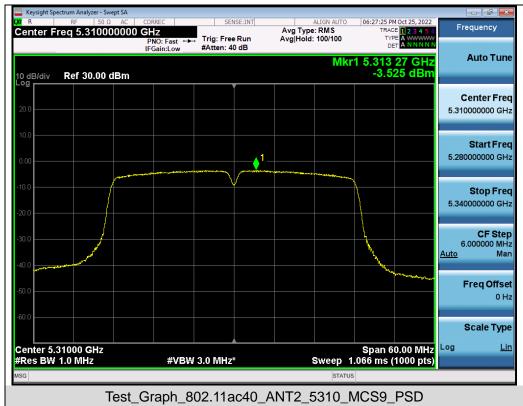
Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the 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 agc01@agccert.com.

Test_Graph_802.11ac40_ANT2_5270_MCS9_PSD

#VBW 3.0 MHz*

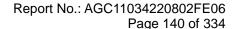
Center 5.27000 GHz #Res BW 1.0 MHz





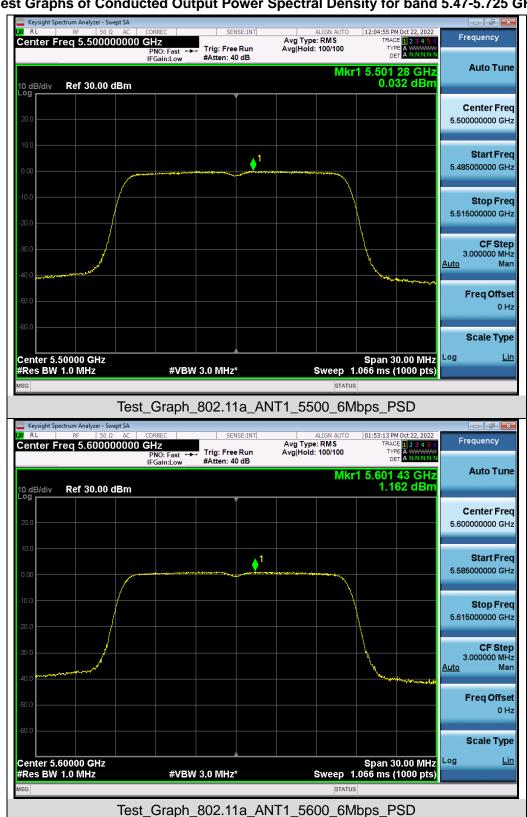


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Test Graphs of Conducted Output Power Spectral Density for band 5.47-5.725 GHz



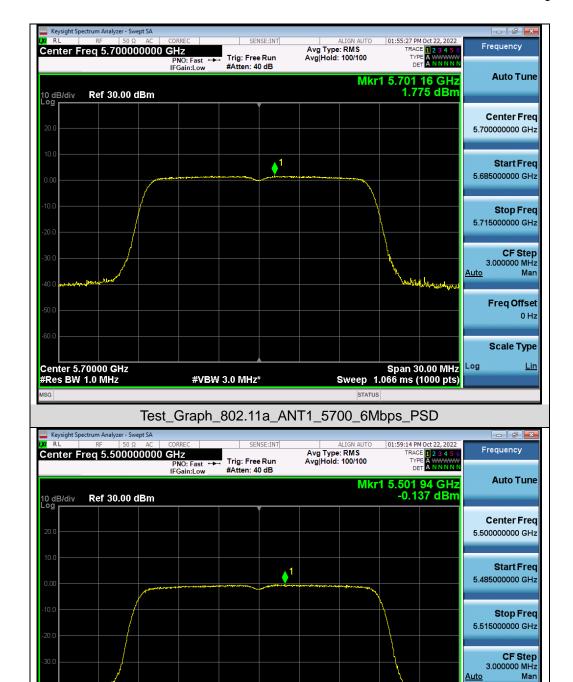
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Scale Type

Log

Span 30.00 MHz Sweep 1.066 ms (1000 pts)





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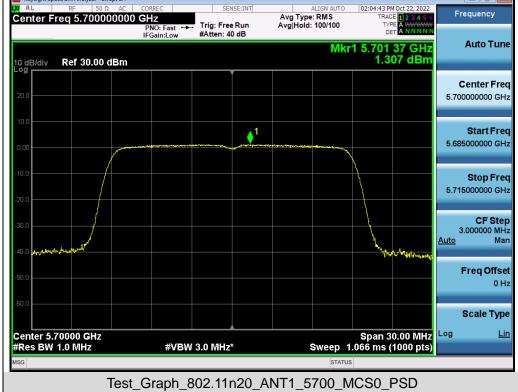
Test_Graph_802.11n20_ANT1_5500_MCS0_PSD

#VBW 3.0 MHz*

Center 5.50000 GHz #Res BW 1.0 MHz







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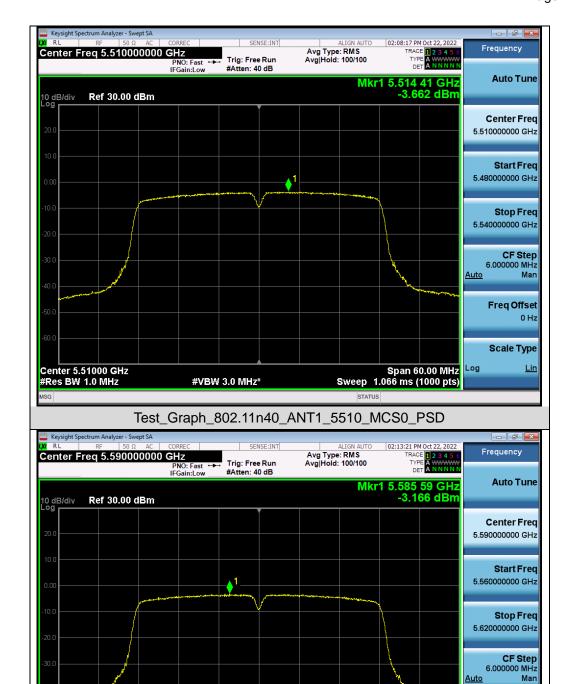
Freq Offset

Scale Type

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

5.515000000 GHz

<u>Auto</u>

Log

Span 30.00 MHz Sweep 1.066 ms (1000 pts)

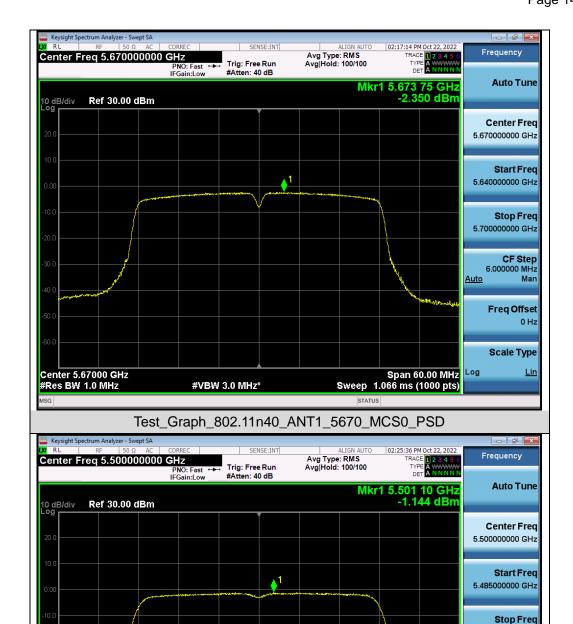
CF Step 3.000000 MHz

Freq Offset 0 Hz

Scale Type

Mar





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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

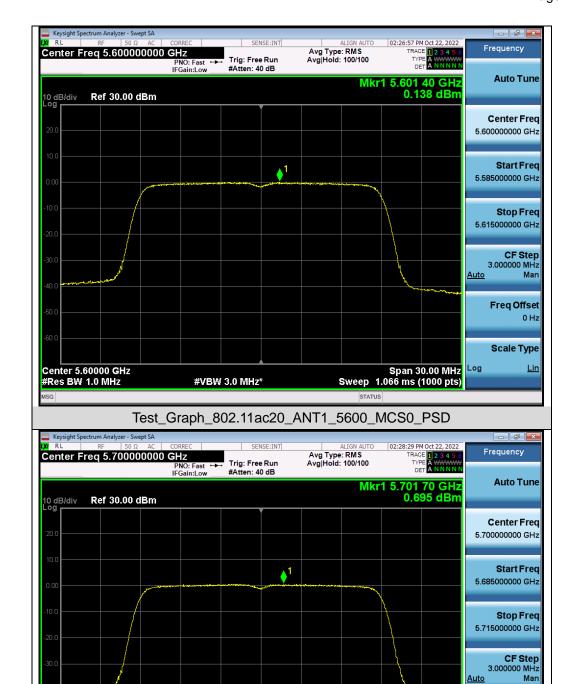
Web: http://www.agccert.com/

Scale Type

Log

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

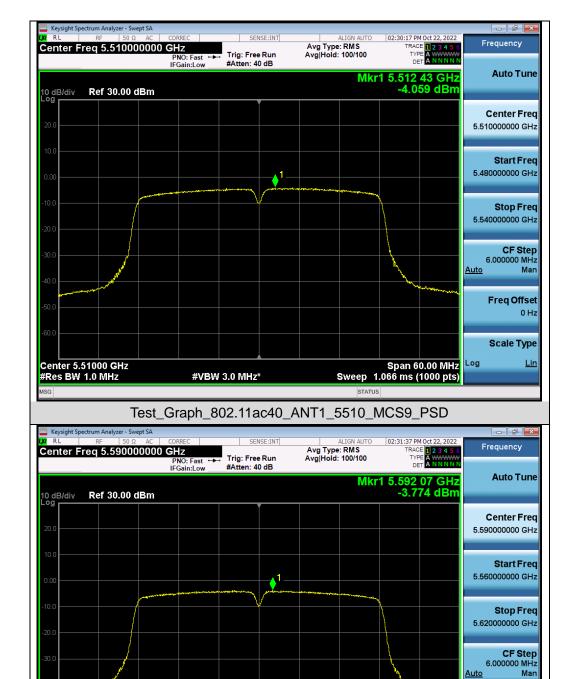
Freq Offset

Scale Type

Log

Span 60.00 MHz Sweep 1.066 ms (1000 pts)





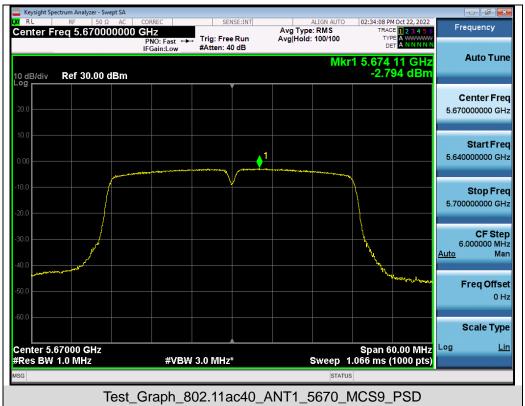
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Test_Graph_802.11ac40_ANT1_5590_MCS9_PSD

#VBW 3.0 MHz*

Center 5.59000 GHz #Res BW 1.0 MHz







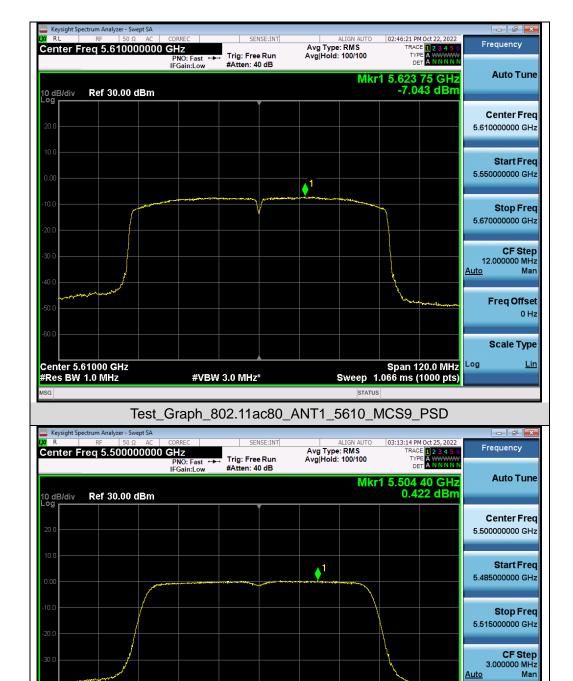
Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the 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 agc01@agccert.com.

Scale Type

Log

Span 30.00 MHz Sweep 1.066 ms (1000 pts)





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Test_Graph_802.11a_ANT2_5500_6Mbps_PSD

#VBW 3.0 MHz*

Center 5.50000 GHz #Res BW 1.0 MHz

<u>Auto</u>

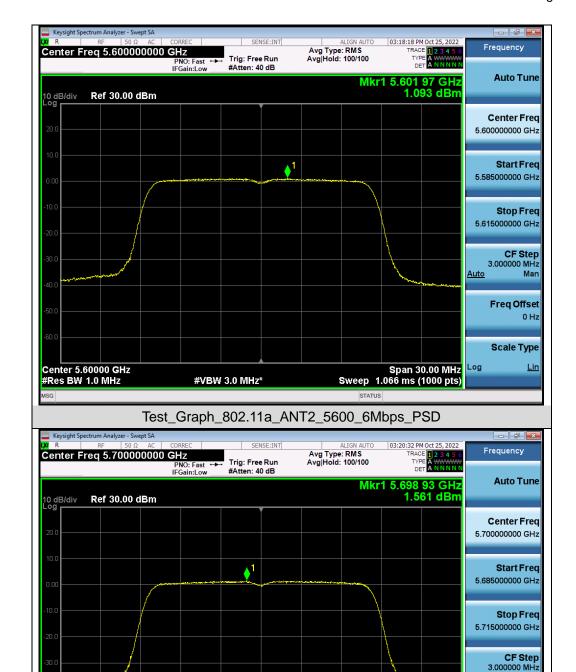
Log

Span 30.00 MHz Sweep 1.066 ms (1000 pts) Mar

Freq Offset

Scale Type





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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

Stop Freq 5.615000000 GHz

CF Step 3.000000 MHz

Freq Offset 0 Hz

Scale Type

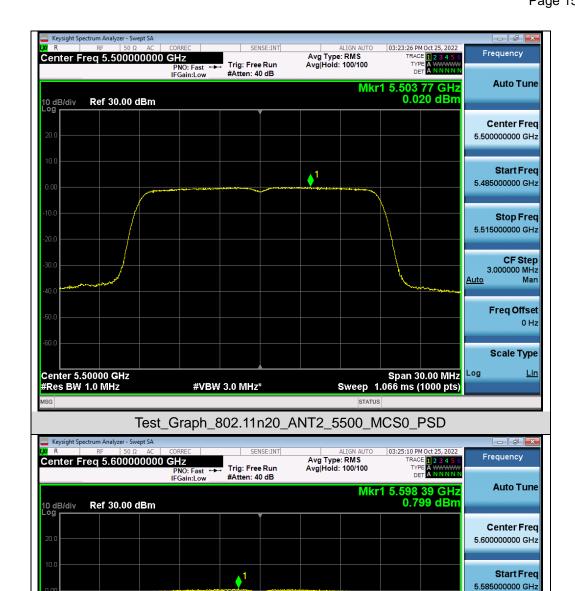
Mar

<u>Auto</u>

Log

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

CF Step 6.000000 MHz

Freq Offset 0 Hz

Scale Type

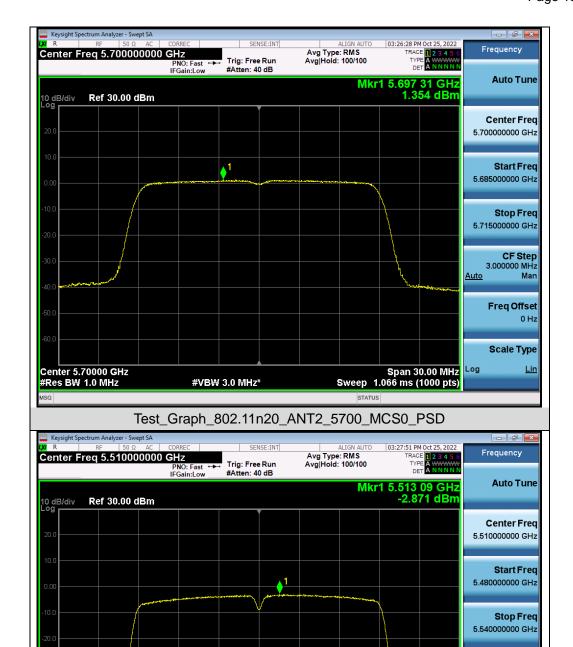
Mar

<u>Auto</u>

Log

Span 60.00 MHz Sweep 1.066 ms (1000 pts)





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Test_Graph_802.11n40_ANT2_5510_MCS0_PSD

#VBW 3.0 MHz*

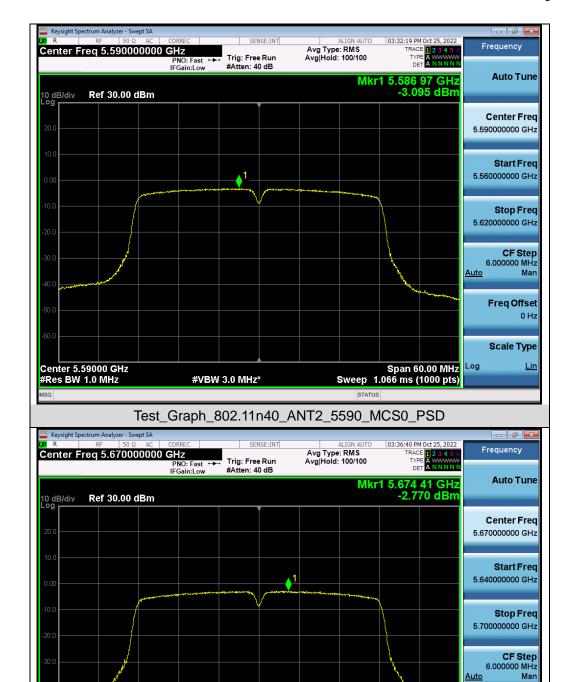
Center 5.51000 GHz #Res BW 1.0 MHz

Scale Type

Log

Span 60.00 MHz Sweep 1.066 ms (1000 pts)





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Test_Graph_802.11n40_ANT2_5670_MCS0_PSD

#VBW 3.0 MHz*

Center 5.67000 GHz #Res BW 1.0 MHz





Start Fred 5.585000000 GHz Stop Freq 5.615000000 GHz **CF Step** 3.000000 MHz <u>Auto</u> Mar Freq Offset 0 Hz Scale Type Center 5.60000 GHz #Res BW 1.0 MHz Span 30.00 MHz Sweep 1.066 ms (1000 pts) Log #VBW 3.0 MHz* Test_Graph_802.11ac20_ANT2_5600_MCS0_PSD

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Stop Freq 5.540000000 GHz

CF Step 6.000000 MHz

Freq Offset 0 Hz

Scale Type

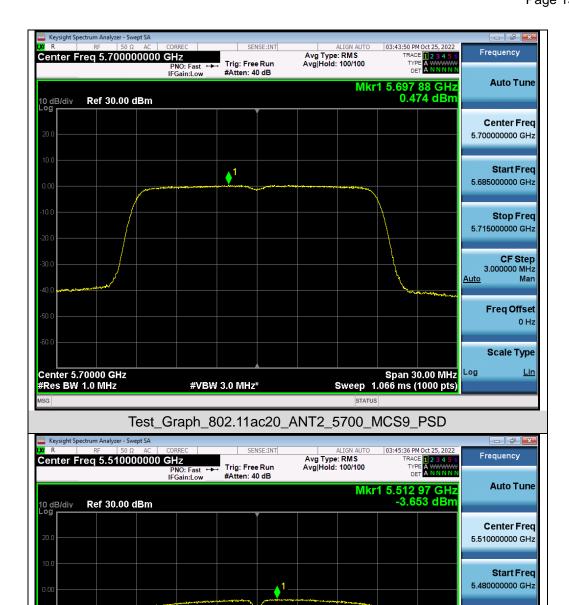
Mar

<u>Auto</u>

Log

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

CF Step 6.000000 MHz

Freq Offset 0 Hz

Scale Type

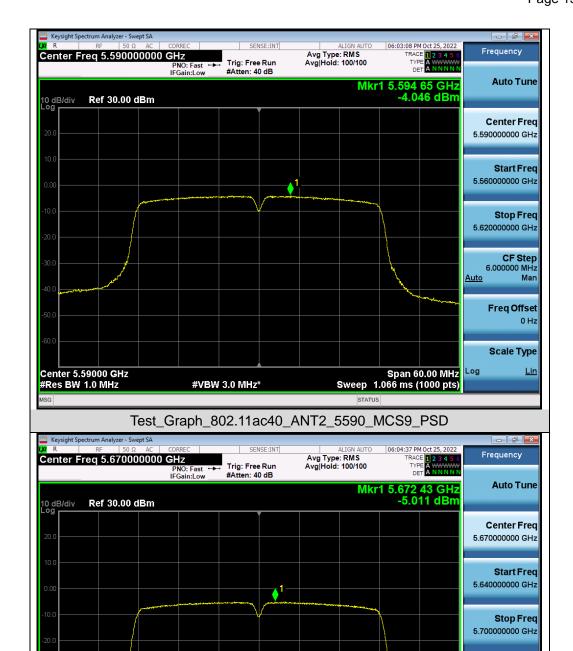
Mar

<u>Auto</u>

Log

Span 60.00 MHz Sweep 1.066 ms (1000 pts)





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Test_Graph_802.11ac40_ANT2_5670_MCS9_PSD

#VBW 3.0 MHz*

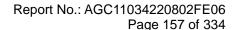
Center 5.67000 GHz #Res BW 1.0 MHz





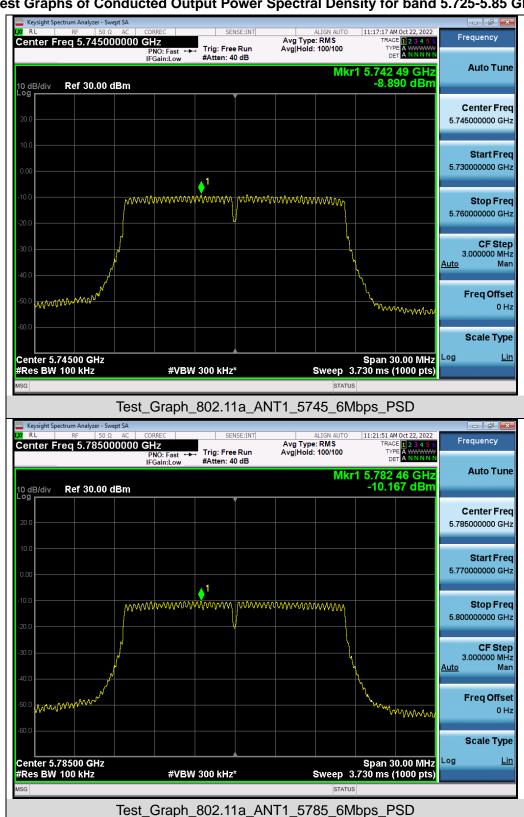
5.610000000 GHz Start Fred 5.550000000 GHz Stop Freq 5.670000000 GHz **CF Step** 12.000000 MHz <u>Auto</u> Mar Freq Offset 0 Hz Scale Type Center 5.61000 GHz #Res BW 1.0 MHz Span 120.0 MHz Sweep 1.066 ms (1000 pts) Log #VBW 3.0 MHz* Test_Graph_802.11ac80_ANT2_5610_MCS9_PSD

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



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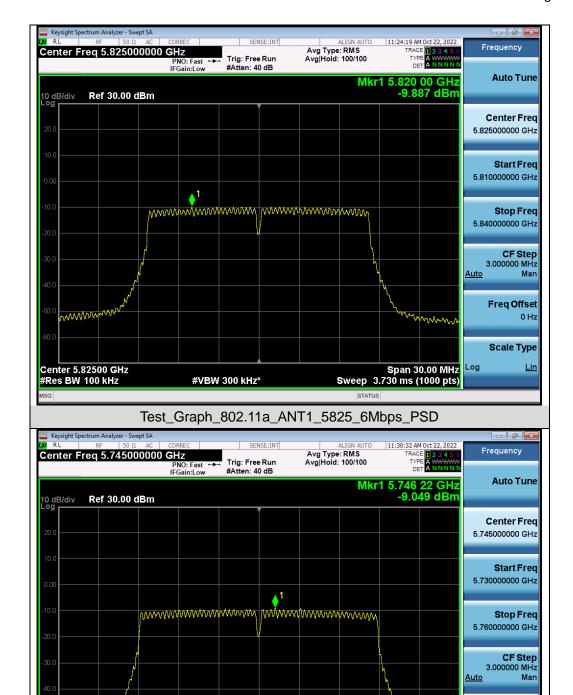
Web: http://www.agccert.com/

Scale Type

Log

Span 30.00 MHz Sweep 3.730 ms (1000 pts)





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Test_Graph_802.11n20_ANT1_5745_MCS0_PSD

#VBW 300 kHz*

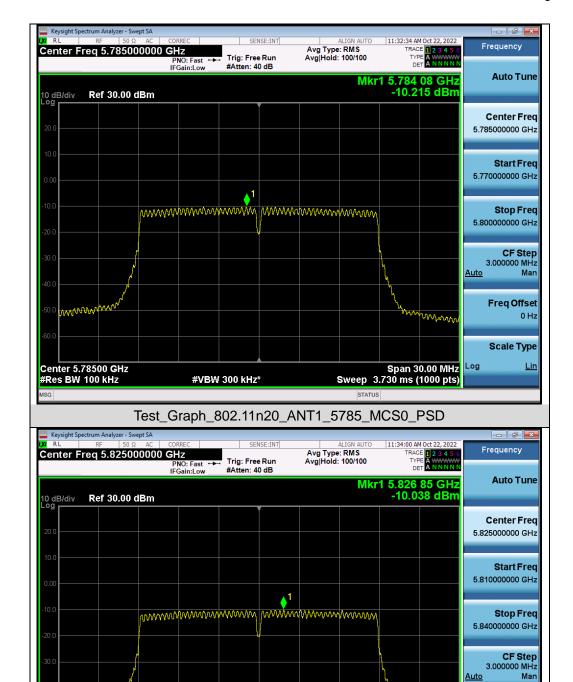
Center 5.74500 GHz #Res BW 100 kHz

Scale Type

Log

Span 30.00 MHz Sweep 3.730 ms (1000 pts)





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Test_Graph_802.11n20_ANT1_5825_MCS0_PSD

#VBW 300 kHz*

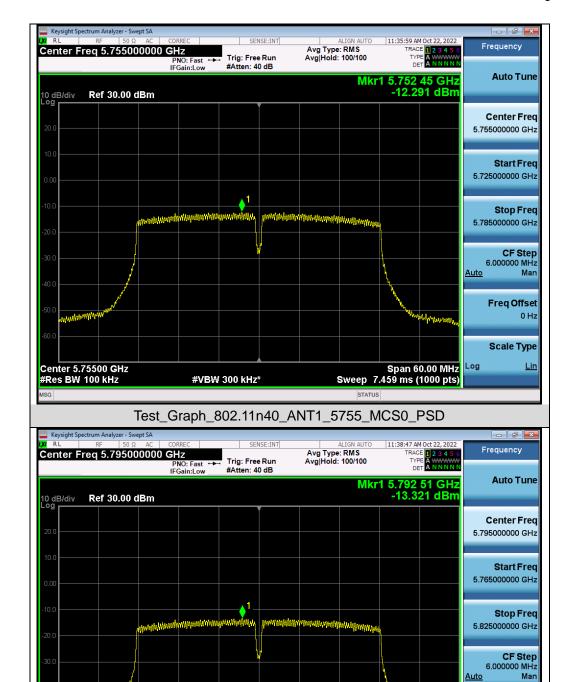
Center 5.82500 GHz #Res BW 100 kHz

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

Freq Offset

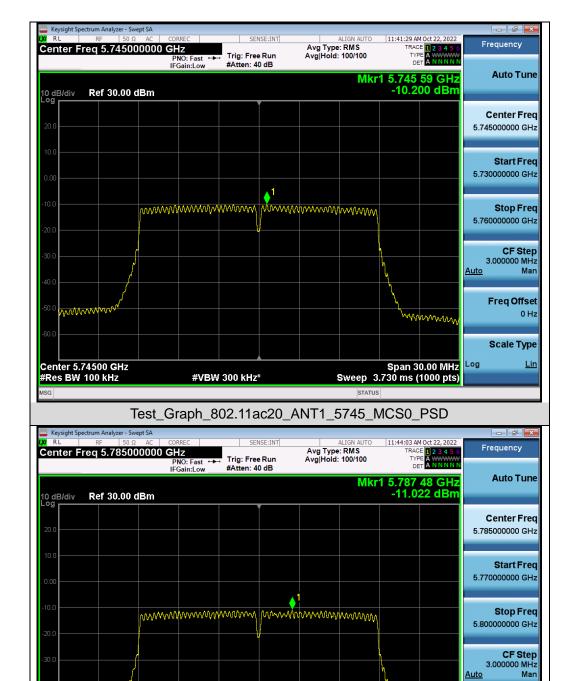
Scale Type

www.

Log

Span 30.00 MHz Sweep 3.730 ms (1000 pts)





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Test_Graph_802.11ac20_ANT1_5785_MCS0_PSD

#VBW 300 kHz*

ላሌላለ/<mark>ነ</mark>ሳ

Center 5.78500 GHz #Res BW 100 kHz

CF Step 6.000000 MHz

Freq Offset

Scale Type

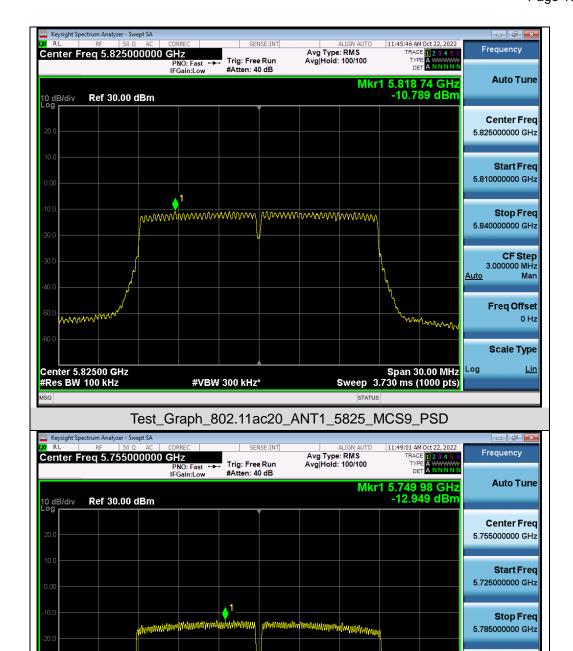
Mar

<u>Auto</u>

Log

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

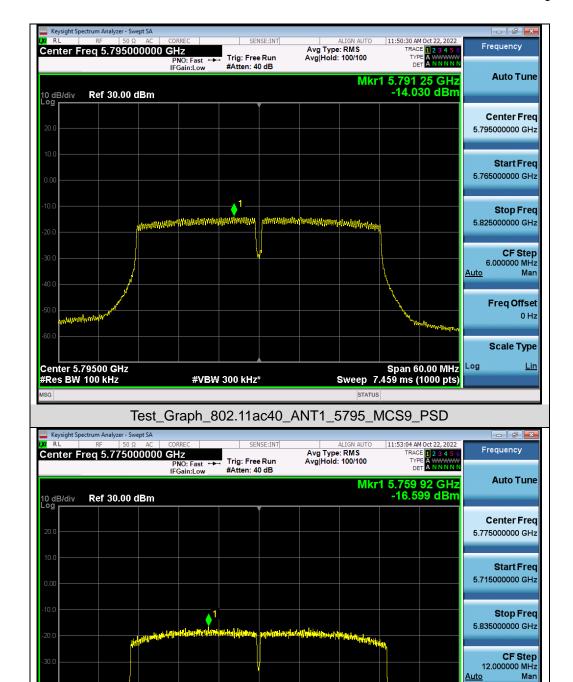
Freq Offset 0 Hz

Scale Type

Log

Span 120.0 MHz Sweep 14.85 ms (1000 pts)





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Test_Graph_802.11ac80_ANT1_5775_MCS9_PSD

#VBW 300 kHz*

Center 5.77500 GHz #Res BW 100 kHz

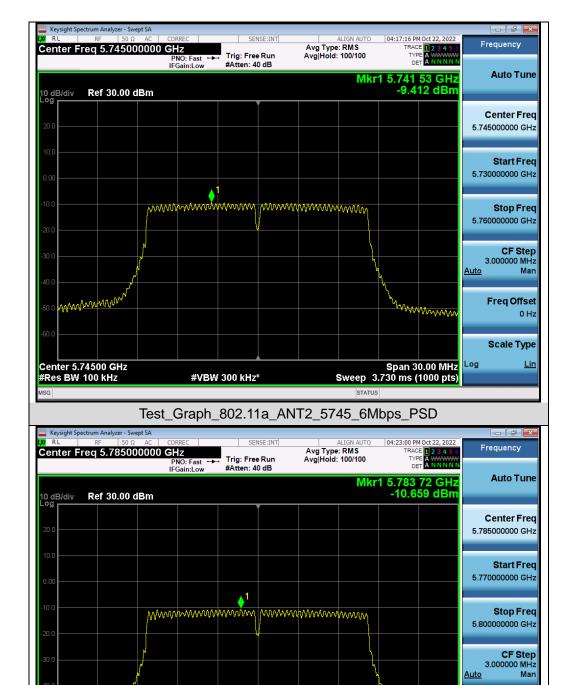
Freq Offset 0 Hz

Scale Type

Log

Span 30.00 MHz Sweep 3.730 ms (1000 pts)





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Test_Graph_802.11a_ANT2_5785_6Mbps_PSD

#VBW 300 kHz*

Center 5.78500 GHz #Res BW 100 kHz

Freq Offset

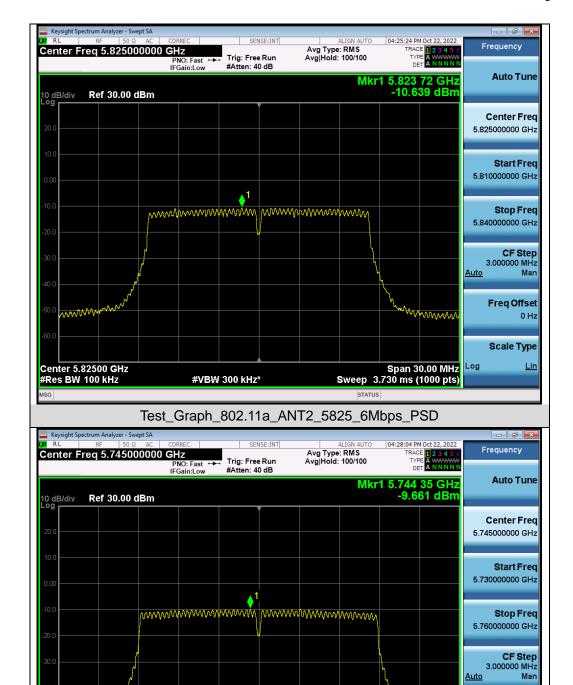
Scale Type

Log

WWW

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>

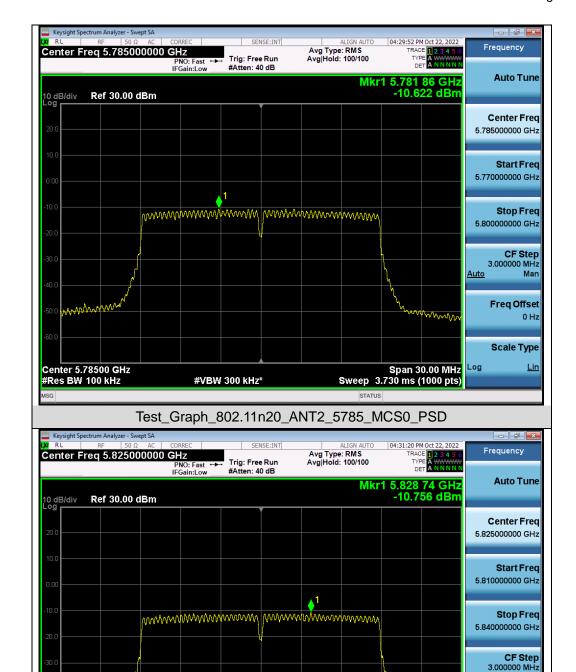
Log

Span 30.00 MHz Sweep 3.730 ms (1000 pts) Mar

Freq Offset 0 Hz

Scale Type





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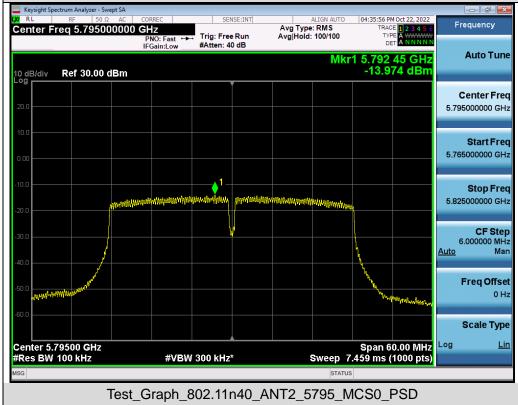
Test_Graph_802.11n20_ANT2_5825_MCS0_PSD

#VBW 300 kHz*

Center 5.82500 GHz #Res BW 100 kHz











Start Fred 5.770000000 GHz Stop Freq WWWWWWWWWWWWWWW 5.800000000 GHz **CF Step** 3.000000 MHz <u>Auto</u> Mar Freq Offset 0 Hz Scale Type Center 5.78500 GHz #Res BW 100 kHz Span 30.00 MHz Sweep 3.730 ms (1000 pts) Log #VBW 300 kHz* Test_Graph_802.11ac20_ANT2_5785_MCS0_PSD

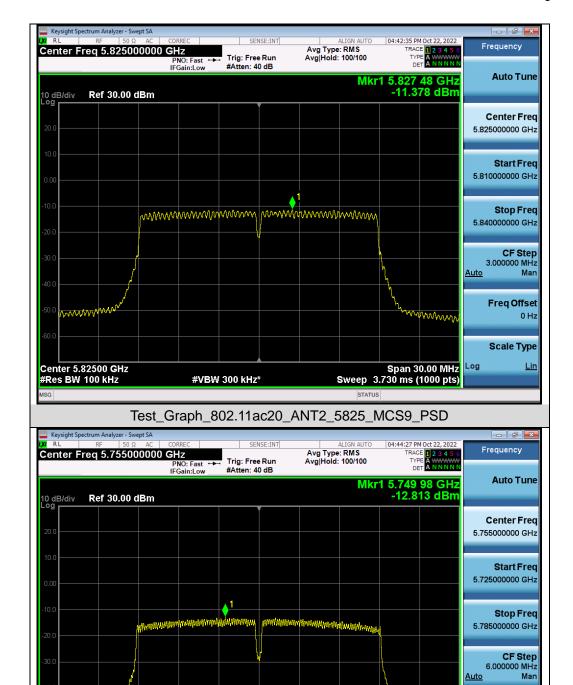
Freq Offset 0 Hz

Scale Type

Log

Span 60.00 MHz Sweep 7.459 ms (1000 pts)





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Test_Graph_802.11ac40_ANT2_5755_MCS9_PSD

#VBW 300 kHz*

Center 5.75500 GHz #Res BW 100 kHz

<u>Auto</u>

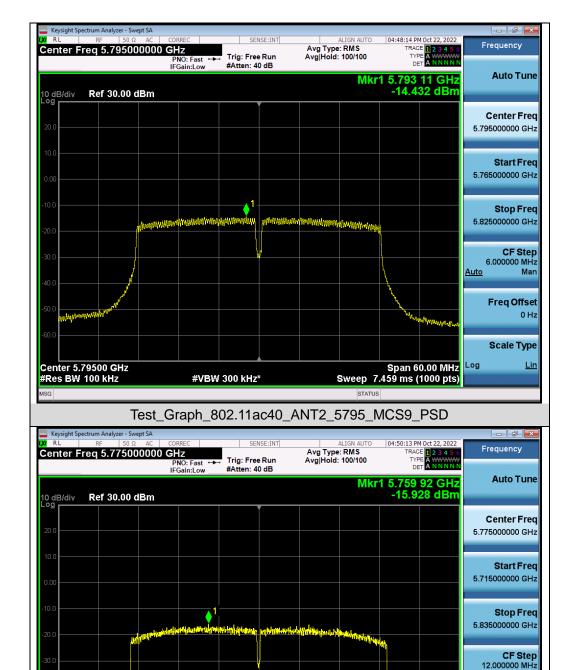
Log

Span 120.0 MHz Sweep 14.85 ms (1000 pts) Mar

Freq Offset 0 Hz

Scale Type





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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.: AGC11034220802FE06

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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

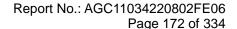
The same as described in section 6.

10.4. LIMITS AND MEASUREMENT RESULT

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

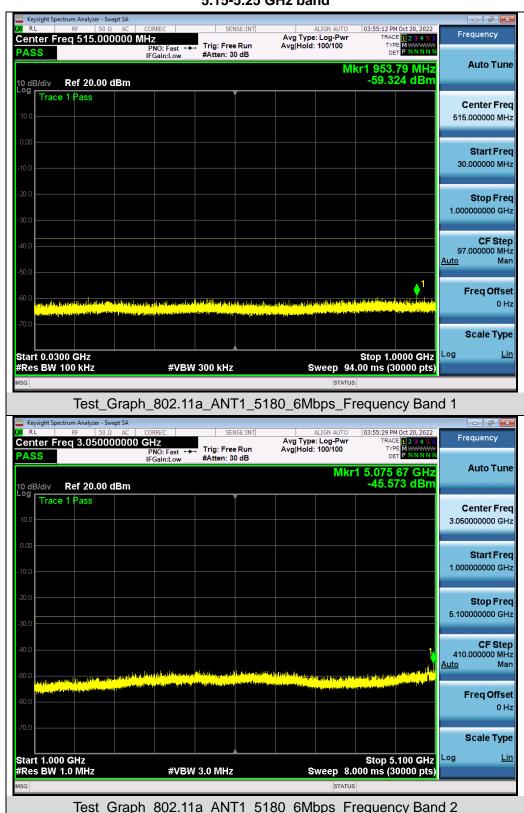
Note: All the 20MHz bandwidth modulation had been tested, the 802.11a20 was the worst case and record in his test report. All the 40MHz bandwidth modulation had been tested, the 802.11N40 was the worst case and record in his test report. All the 80MHz bandwidth modulation had been tested, the 802.11AC80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

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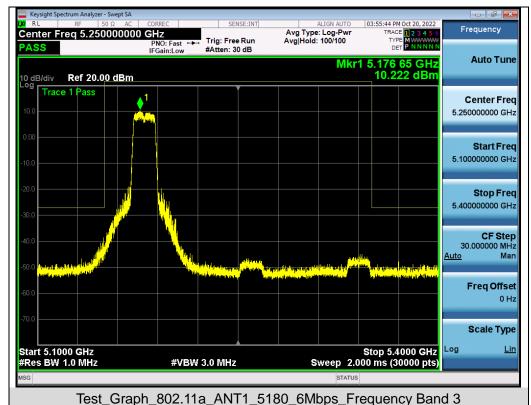


Test Graphs of Spurious Emissions outside of the 5.15-5.35 GHz band for transmitters operating in the 5.15-5.25 GHz band

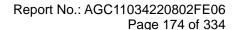


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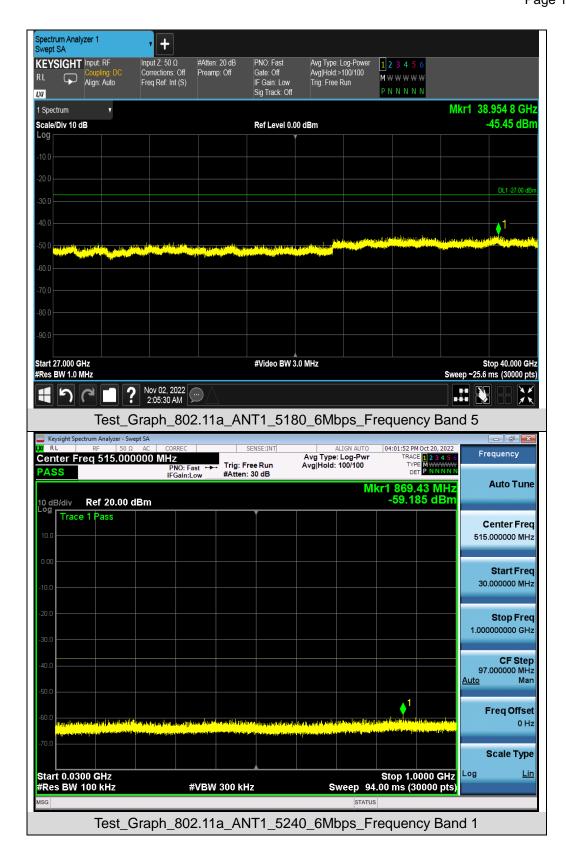




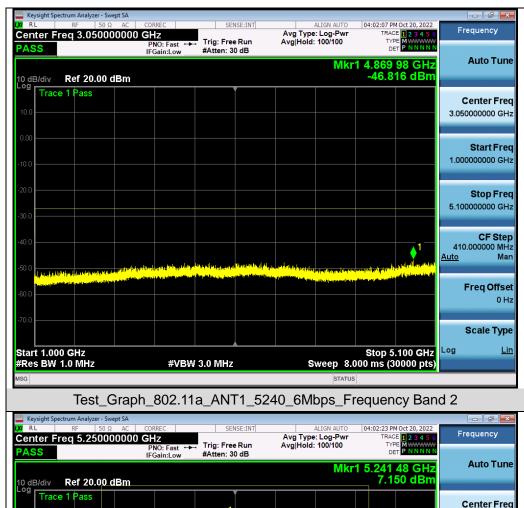


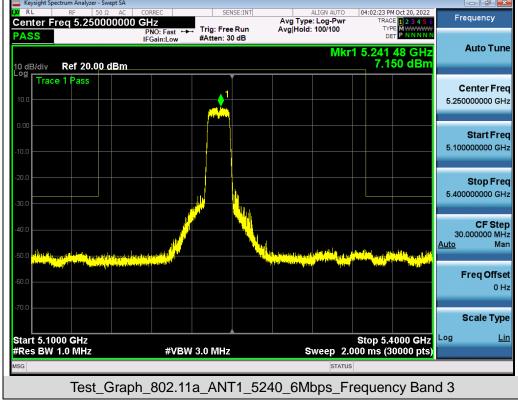










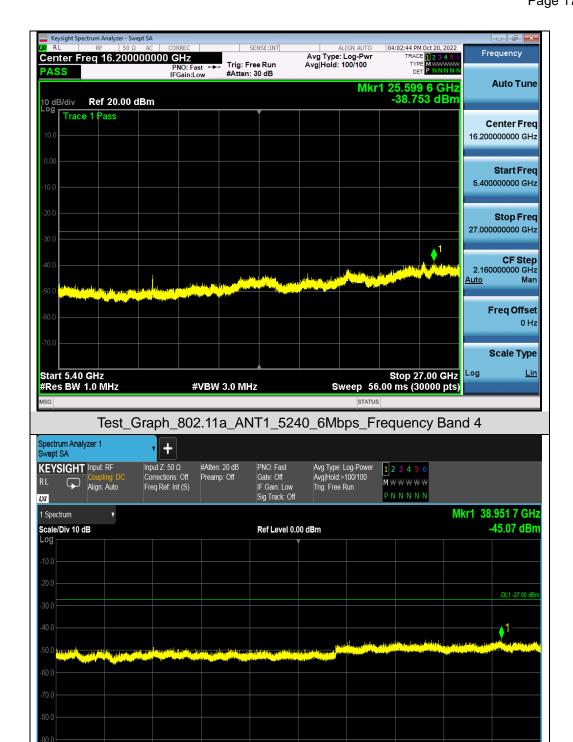


Stop 40.000 GHz

Sweep ~25.6 ms (30000 pts)

1





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#Video BW 3.0 MHz

Test_Graph_802.11a_ANT1_5240_6Mbps_Frequency Band 5

Start 27.000 GHz

#Res BW 1.0 MHz

Tel: +86-755 2523 4088 E-mail: agc@agccert.com Web: http://www.agccert.com/

? Nov 02, 2022 .:07:37 AM

