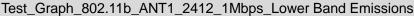
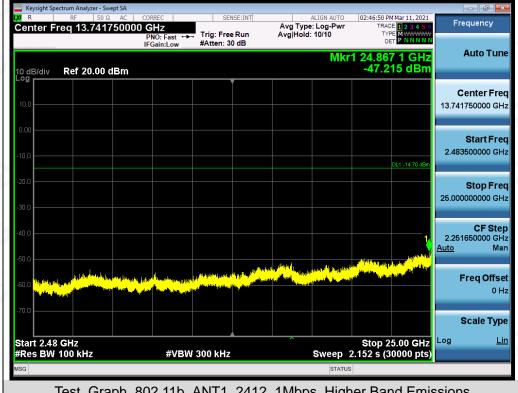
a/Inspection



Test Graphs of Spurious Emissions in Non-Restricted Frequency Bands





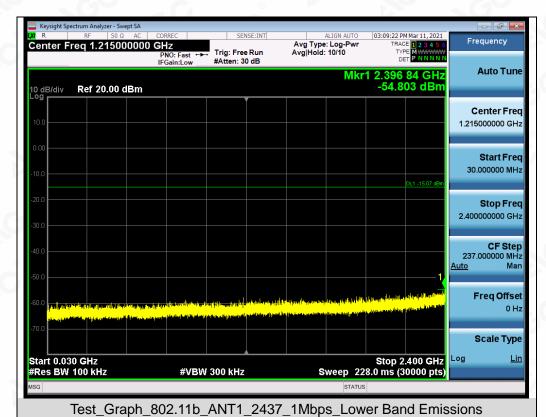


Test_Graph_802.11b_ANT1_2412_1Mbps_Higher Band Emissions

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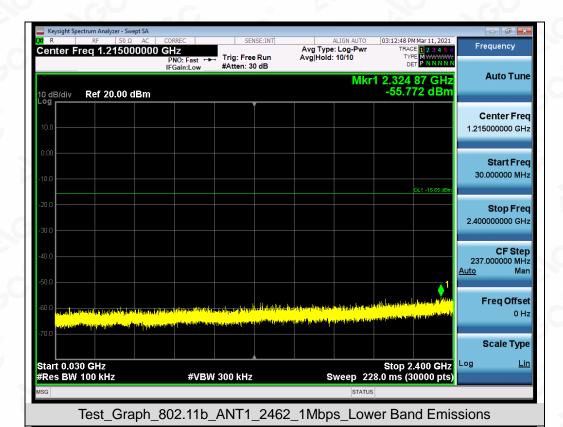




Test_Graph_802.11b_ANT1_2437_1Mbps_Higher Band Emissions

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Avg Type: Log-P Avg|Hold: 10/10 Center Freq 13.750000000 GHz Trig: Free Run #Atten: 30 dB **Auto Tune** Mkr1 24.409 7 GHz -47.587 dBm 0 dB/div Ref 20.00 dBm Center Frea 13.750000000 GHz Start Freq 2.500000000 GHz Stop Freq 25.000000000 GHz **CF Step** 2.250000000 GHz Freq Offset Scale Type Start 2.50 GHz #Res BW 100 kHz Stop 25.00 GHz Sweep 2.152 s (30000 pts)

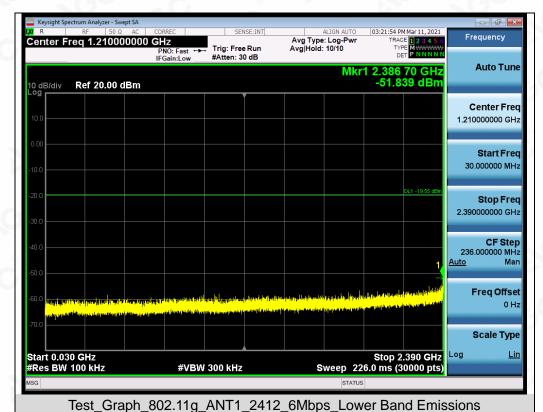
Test_Graph_802.11b_ANT1_2462_1Mbps_Higher Band Emissions

Compliance Besting/Inspection Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Any report having not been signed by authorized approver, or having peen altered without authorization, or having not been signed by authorized approver, or having peen altered without authorization, or having not been signed by authorization of AGC. The test results start a signed by authorization of AGC and the test report is not permitted without the written authorization of AGC. The test results are the tested cample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuance of the test report. The test results Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

#VBW 300 kHz

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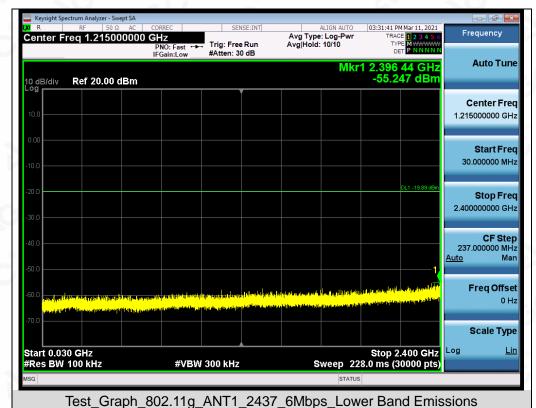




Test_Graph_802.11g_ANT1_2412_6Mbps_Higher Band Emissions

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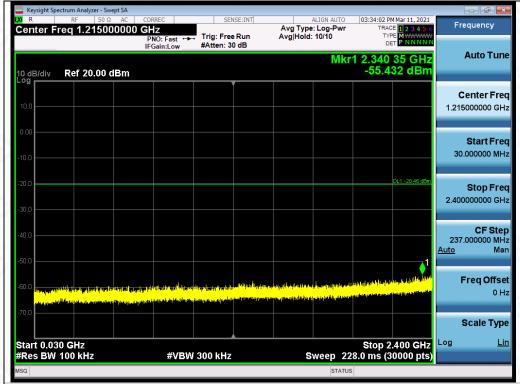




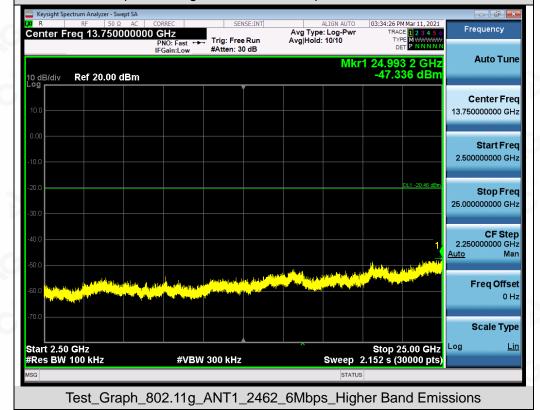


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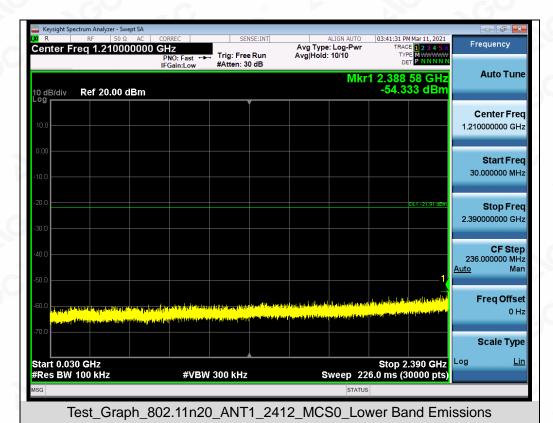


Test_Graph_802.11g_ANT1_2462_6Mbps_Lower Band Emissions



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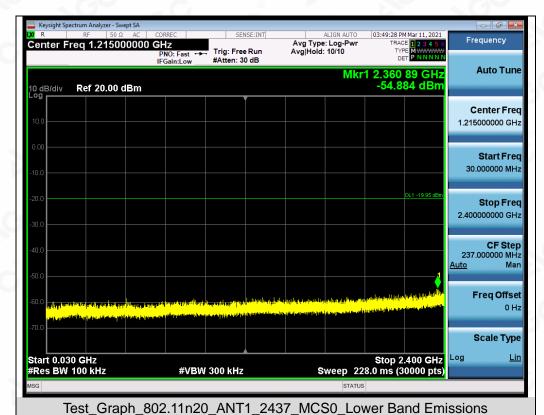




Test_Graph_802.11n20_ANT1_2412_MCS0_Higher Band Emissions

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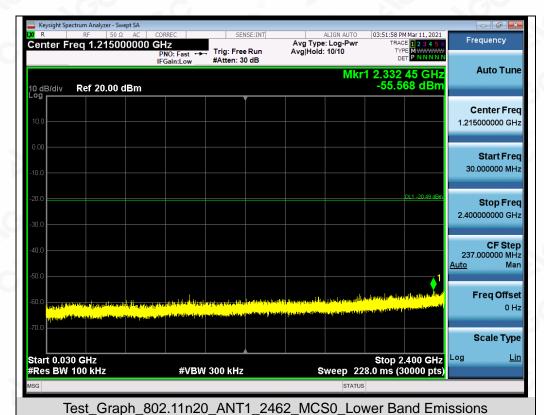






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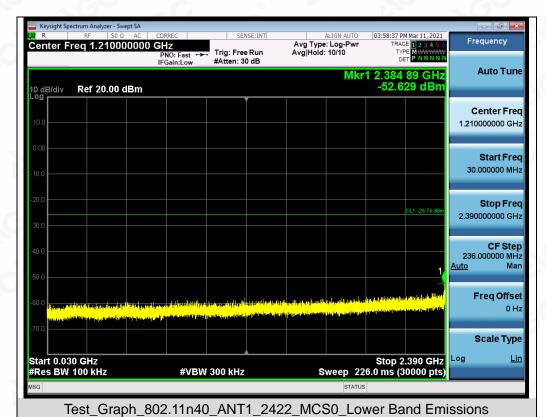






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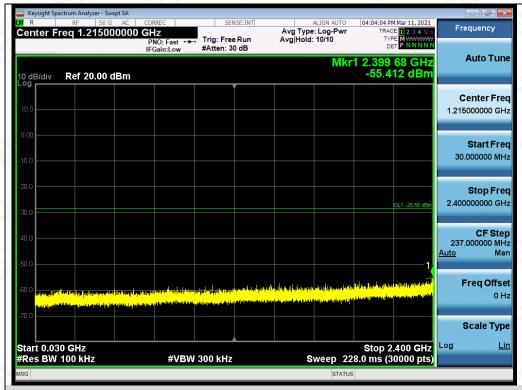






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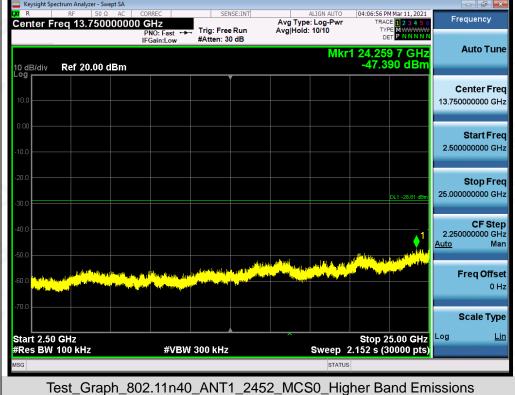


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Test_Graph_802.11n40_ANT1_2452_MCS0_Lower Band Emissions



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g/Inspection

of AĞE. The test results



Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands



Test_Graph_802.11b_ANT1_2412_1Mbps_Lower Band Edge Emissions



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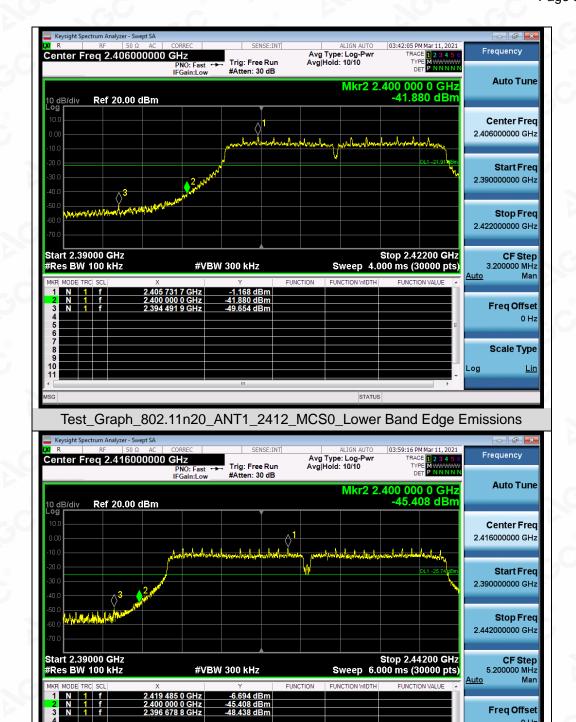
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Scale Type



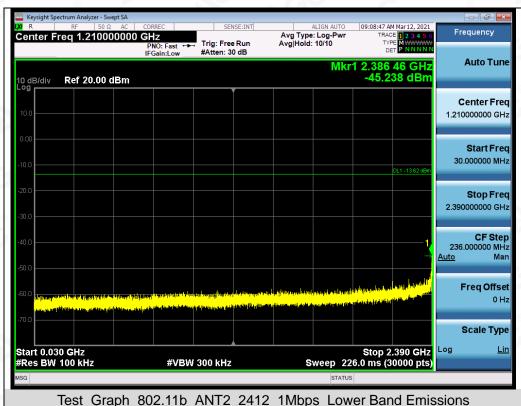


Test_Graph_802.11n40_ANT1_2422_MCS0_Lower Band Edge Emissions

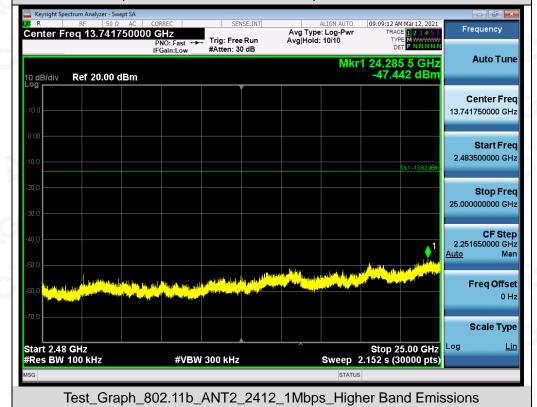
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Test Graphs of Spurious Emissions in Non-Restricted Frequency Bands



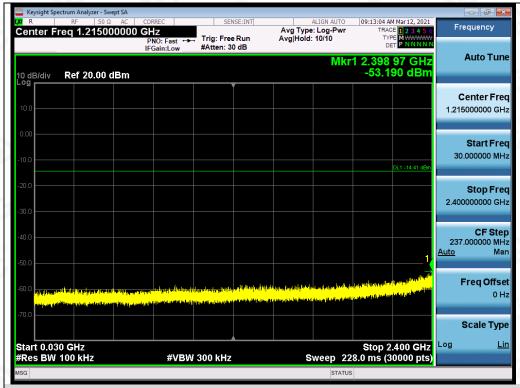
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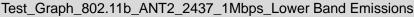


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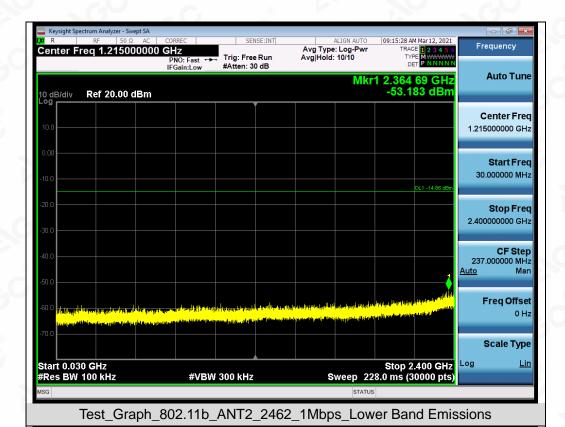






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Avg Type: Log-Pw Avg|Hold: 10/10 Center Freq 13.750000000 GHz Trig: Free Run #Atten: 30 dB **Auto Tune** Mkr1 24.961 7 GHz -47.199 dBm 0 dB/div Ref 20.00 dBm Center Frea 13.750000000 GHz Start Freq 2.500000000 GHz Stop Freq 25.000000000 GHz **CF Step** 2.250000000 GHz Freq Offset Scale Type Start 2.50 GHz #Res BW 100 kHz Stop 25.00 GHz Sweep 2.152 s (30000 pts)

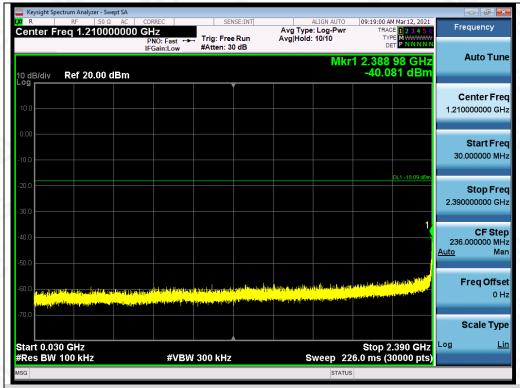
Test_Graph_802.11b_ANT2_2462_1Mbps_Higher Band Emissions

Compliance Besting/Inspection Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Any report having not been signed by authorized approver, or having peen altered without authorization, or having not been signed by authorized approver, or having peen altered without authorization, or having not been signed by authorization of AGC. The test results start a signed by authorization of AGC and the test report is not permitted without the written authorization of AGC. The test results are the tested cample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuance of the test report. The test results Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

#VBW 300 kHz

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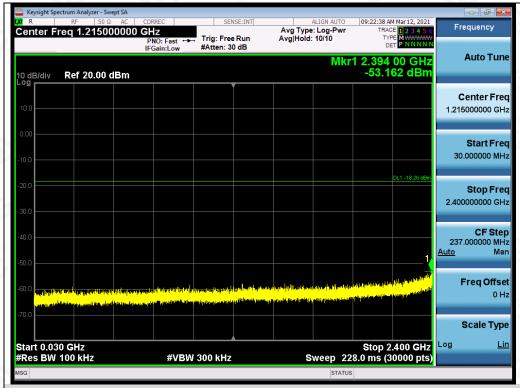


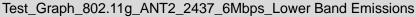




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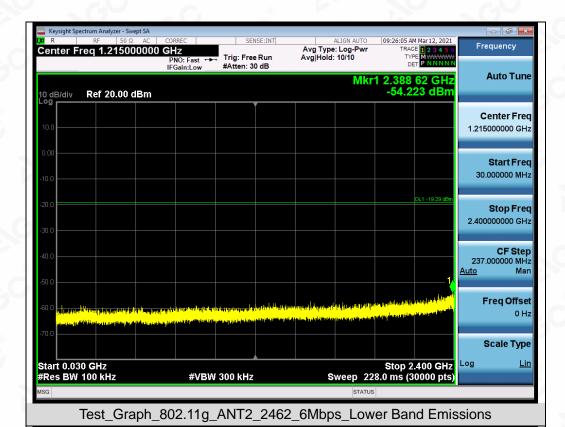






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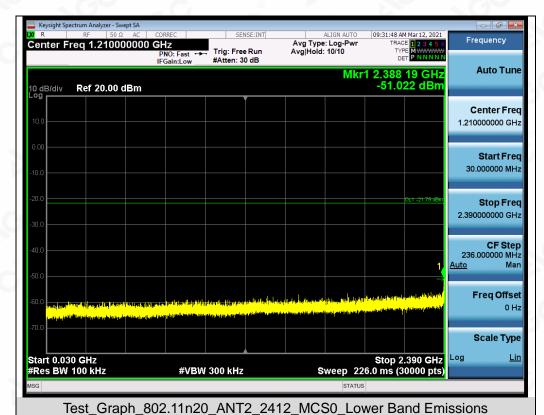


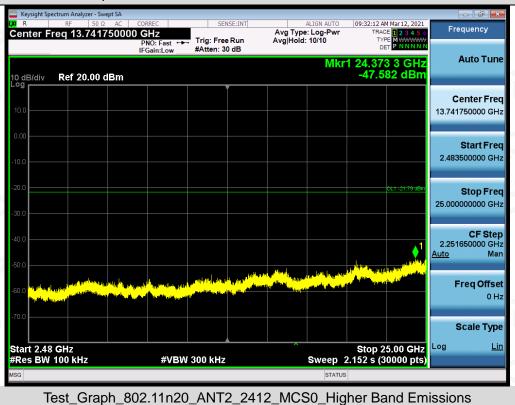
Test_Graph_802.11g_ANT2_2462_6Mbps_Higher Band Emissions

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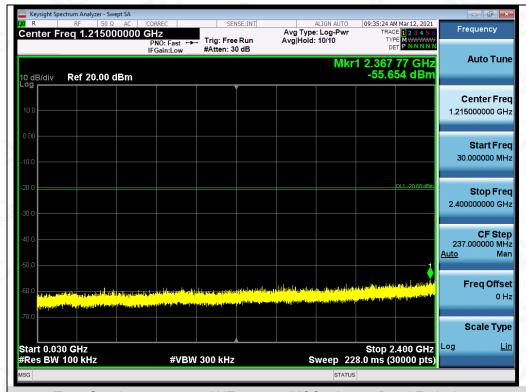






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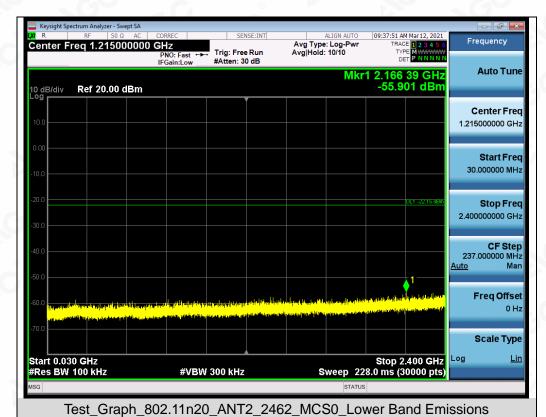


Test_Graph_802.11n20_ANT2_2437_MCS0_Lower Band Emissions



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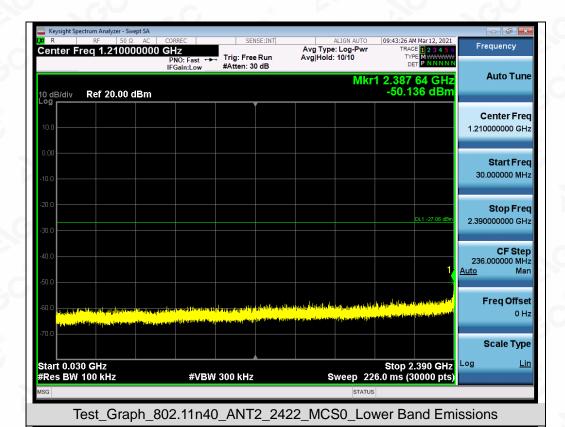


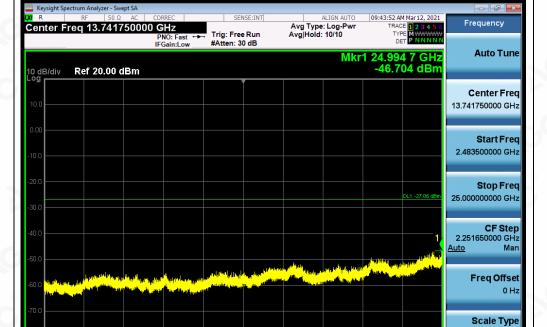




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Test_Graph_802.11n40_ANT2_2422_MCS0_Higher Band Emissions

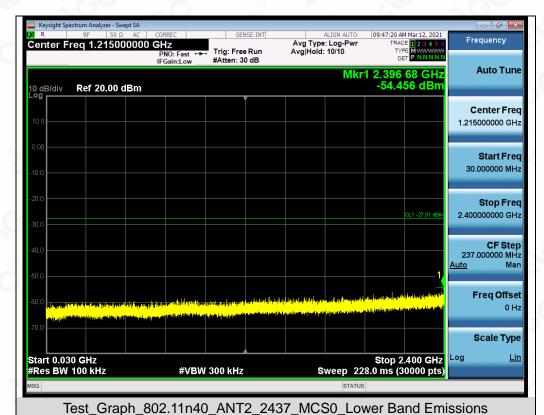
Stop 25.00 GHz Sweep 2.152 s (30000 pts)

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#VBW 300 kHz

Start 2.48 GHz #Res BW 100 kHz

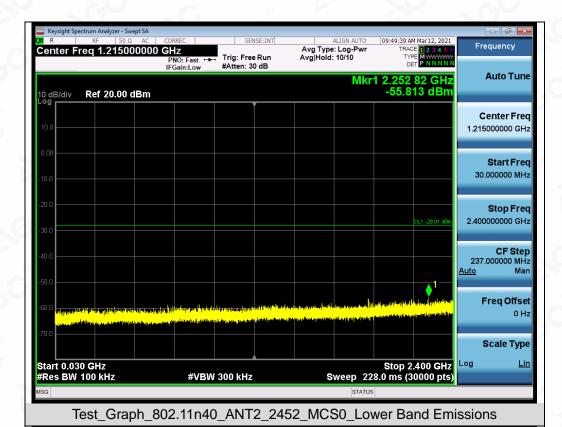






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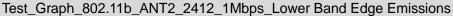
g/Inspection

The test results



Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands





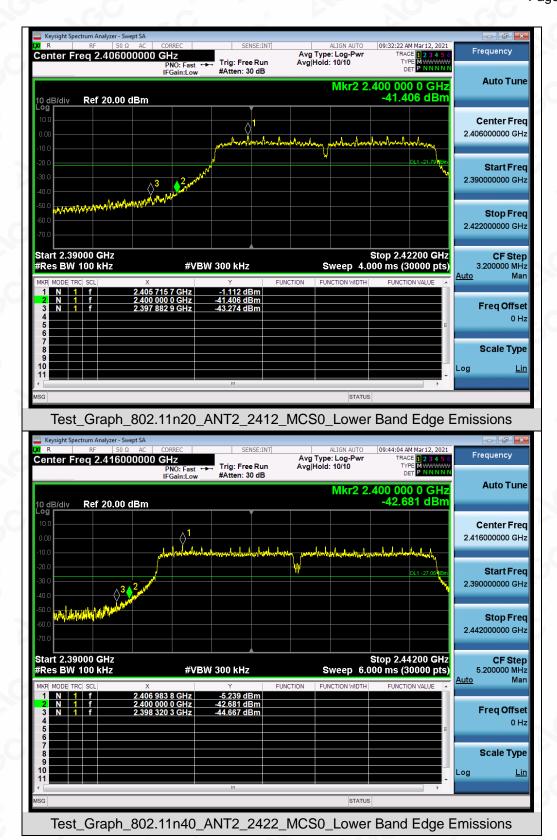


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Note: Emissions from 2483.5-2500MHz which fall in the restricted bands had been considered with the radiated

emission limits specified.

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Report No.: AGC12060210301FE05

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10. MAXIMUM CONDUCTED OUTPUT POWER SPECTRAL DENSITY

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 method of PKPSD in the ANSI C63.10 (2013) item 11.10 was used in this testing.

10.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

Refer to Section 8.2.

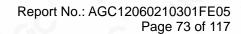
10.3 MEASUREMENT EQUIPMENT USED

Refer to Section 6.

10.4 LIMITS AND MEASUREMENT RESULT

Test Data of Conducted Output Power Spectral Density Antenna-1							
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail		
	2412	2.128	-6.111	≪8	Pass ®		
802.11b	2437	0.479	-7.76	≪8	Pass		
	2462	0.195	-8.044	≪8	Pass		
3	2412	-4.656	-12.895	≪8	Pass		
802.11g	2437	-5.108	-13.347	≤8	Pass		
	2462	-5.692	-13.931	≤8	Pass		
60	2412	-7.533	-15.772	≤8	Pass		
802.11n20	2437	-7.389	-15.628	≤8	Pass		
	2462	-6.362	-14.601	≤8	Pass		
<i>a.</i> C	2422	-12.573	-20.812	≪8	Pass		
802.11n40	2437	-12.856	-21.095	≤8	Pass		
	2452	-12.842	-21.081	≤8	Pass		

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Test Data of Conducted Output Power Spectral Density Antenna-2						
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail	
	2412	0.511	-7.728	≤8	Pass	
802.11b	2437	-0.232	-8.471	≪8	Pass	
	2462	-0.460	-8.699	≪8	Pass	
	2412	-3.774	-12.013	≤8	Pass	
802.11g	2437	-4.288	-12.527	≤8	Pass	
	2462	-5.382	-13.621	≪8	Pass	
	2412	-7.568	-15.807	≤8	Pass	
802.11n20	2437	-6.394	-14.633	≤8	Pass	
	2462	-8.174	-16.413	≤8	Pass	
	2422	-11.442	-19.681	≤8	Pass	
802.11n40	2437	-11.863	-20.102	≤8	Pass	
	2452	-12.125	-20.364	≤8	Pass	

Test Data of Conducted Output Power Spectral Density-Total ant1+2							
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail		
802.11n20	2412	-4.54	-12.78	≤8	Pass		
	2437	-3.85	-12.09	≪8	Pass		
	2462	-4.16	-12.40	≪8	Pass		
802.11n40	2422	-8.96	-17.20	≪8	Pass		
	2437	-9.32	-17.56	≤8	Pass		
	2452	-9.46	-17.70	≪8	Pass		

Note: Power density(dBm/3kHz) = Power density(dBm/20kHz) - 10*log(20/3).

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<u>Lin</u>

Span 15.14 MHz

Sweep 36.10 ms (1000 pts)



Test Graphs of Conducted Output Power Spectral Density



Test_Graph_802.11b_ANT1_2437_1Mbps_PSD

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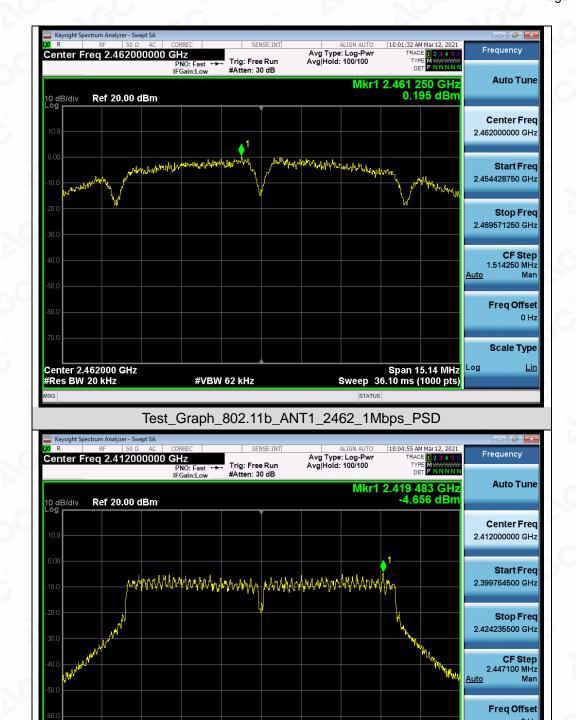
#VBW 62 kHz

Center 2.437000 GHz #Res BW 20 kHz

Scale Type

Span 24.47 MHz Sweep 58.34 ms (1000 pts)





Test_Graph_802.11g_ANT1_2412_6Mbps_PSD

#VBW 62 kHz

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Center 2.41200 GHz #Res BW 20 kHz