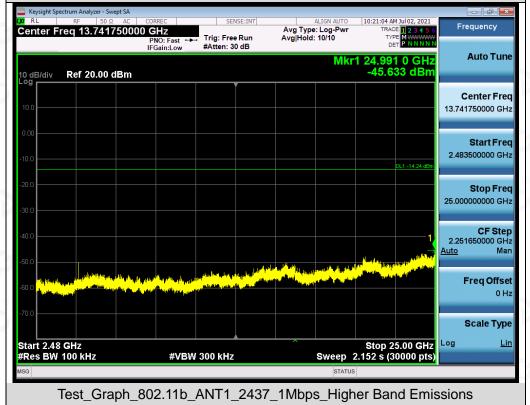


Test\_Graph\_802.11b\_ANT1\_2437\_1Mbps\_Lower Band Emissions







Test\_Graph\_802.11b\_ANT1\_2462\_1Mbps\_Lower Band Emissions



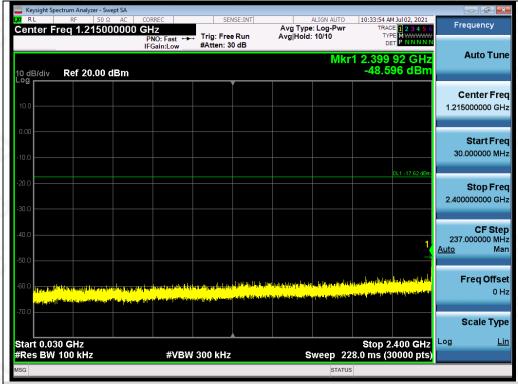




Test\_Graph\_802.11g\_ANT1\_2412\_6Mbps\_Lower Band Emissions



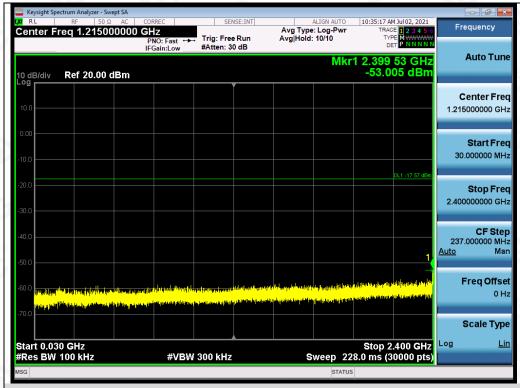




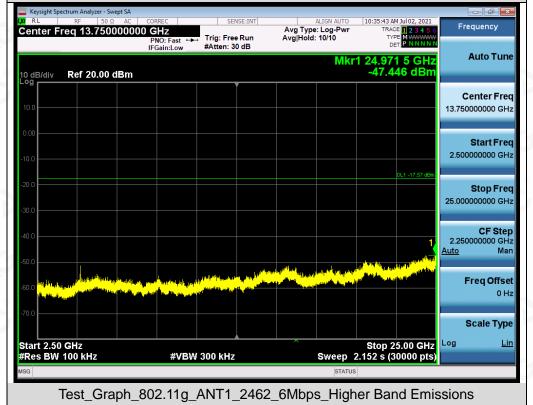
Test\_Graph\_802.11g\_ANT1\_2437\_6Mbps\_Lower Band Emissions



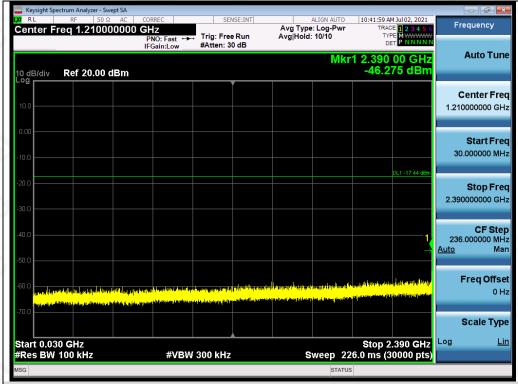




Test\_Graph\_802.11g\_ANT1\_2462\_6Mbps\_Lower Band Emissions



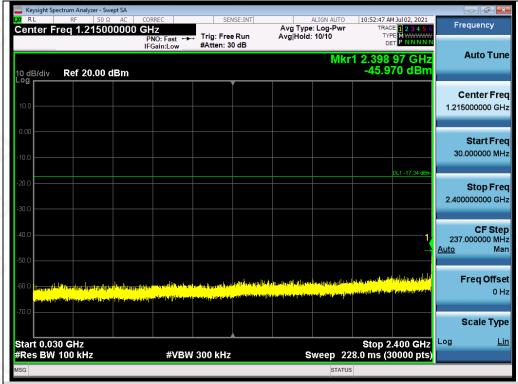




Test\_Graph\_802.11n20\_ANT1\_2412\_MCS0\_Lower Band Emissions



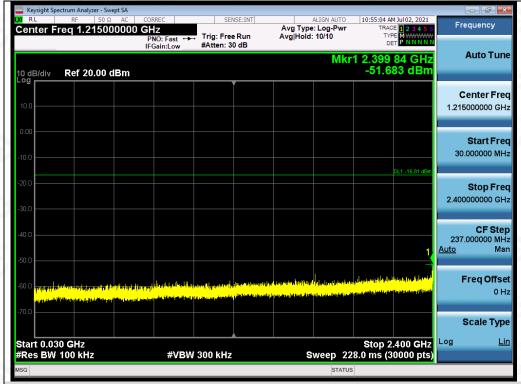




Test\_Graph\_802.11n20\_ANT1\_2437\_MCS0\_Lower Band Emissions







Test\_Graph\_802.11n20\_ANT1\_2462\_MCS0\_Lower Band Emissions





## Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands- Bandwidth 10 MHz



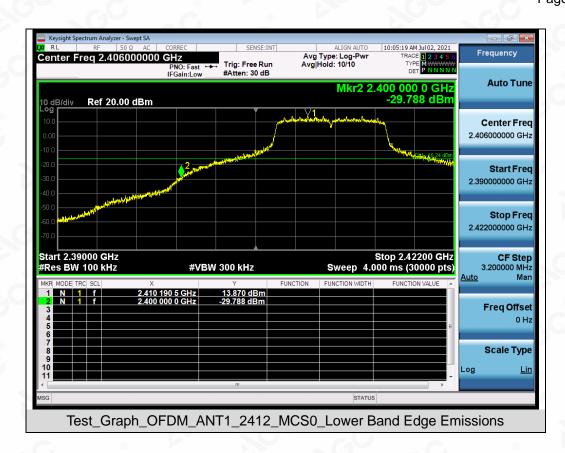




Test\_Graph\_OFDM\_ANT1\_2412\_6Mbps\_Lower Band Edge Emissions

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g/Inspection

The test results

the test report.



# Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands- Bandwidth 20 MHz



Test\_Graph\_802.11b\_ANT1\_2412\_1Mbps\_Lower Band Edge Emissions

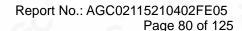


Test\_Graph\_802.11g\_ANT1\_2412\_6Mbps\_Lower Band Edge Emissions

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Note: 1.Emissions from 2483.5-2500MHz which fall in the restricted bands had been considered with the radiated emission limits specified.

- 2. The limits reference level is according to the test plot of -6dB bandwidth.
- 3. All the 10MHz bandwidth modulation had been tested. All the antennas have been pre-tested, and all modes of each antenna are tested. The CCK with data rate 11, OFDM with data rate 6Mbps mode antenna 1 is the worst case and recorded in the report; OFDM with data rate MCS0 mode, the worst case Antenna 1 has more than 3dB margins, so the MIMO mode also compliance the limit. All the 20MHz bandwidth modulation had been tested. All the antennas have been pre-tested, and all modes of each antenna are tested. The In 802.11b, 802.11g mode antenna 1 is the worst case and recorded in the report; For 802.11n mode, the worst case Antenna 1 has more than 3dB margins, so the MIMO mode also compliance the limit.



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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- Bandwidth 10 MHz of antenna 1						
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail	
	2412	4.110	-4.129	≤8	Pass	
CCK	2437	4.016	-4.223	≪8	Pass	
	2462	4.654	-3.585	≪8	Pass	
0-51.6	2412	-0.154	-8.393	≪8	Pass	
OFDM 6Mbps	2437	0.580	-7.659	<b>≤8</b>	Pass	
ОМБРЗ	2462	0.331	-7.908	≪8	Pass	
0504	2412	-0.608	-8.847	≪8	Pass	
OFDM MCS0	2437	0.253	-7.986	≪8	Pass	
10.000	2462	0.092	-8.147	≪8	Pass	

Test Data of Conducted Output Power Spectral Density- Bandwidth 10 MHz of antenna 2						
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail	
60	2412	2.808	-5.431	≪8	Pass	
CCK	2437	3.375	-4.864	≪8	Pass	
· ·	2462	3.835	-4.404	≤8	Pass	
OFDIA.	2412	-0.794	-9.033	<b>≤8</b>	Pass	
OFDM 6Mbps	2437	-0.666	-8.905	≪8	Pass	
OWIDPO	2462	0.284	-7.955	≪8	Pass	
05014	2412	-1.174	-9.413	≤8	Pass	
OFDM MCS0	2437	-0.810	-9.049	≪8	Pass	
Wiodo	2462	-0.794	-9.033	≪8	Pass	



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Test Data of Conducted Output Power Spectral Density- Bandwidth 10 MHz of antenna 1+2						
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail	
OFDM MCS0	2412	2.13	-6.11	≤5.15	Pass	
	2437	2.76	-5.47	≤5.15	Pass	
	2462	2.68	-5.56	≤5.15	Pass	

Test Dat	Test Data of Conducted Output Power Spectral Density- Bandwidth 20 MHz of antenna 1					
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail	
	2412	0.853	-7.386	≪8	Pass	
802.11b	2437	1.206	-7.033	≤8	Pass	
	2462	1.454	-6.785	≪8	Pass	
.60	2412	-3.790	-12.029	≪8	Pass	
802.11g	2437	-3.703	-11.942	≪8	Pass	
®	2462	-3.333	-11.572	≪8	Pass	
a.C	2412	-3.280	-11.519	<b>⊗</b> ≤8	Pass	
802.11n20	2437	-3.497	-11.736	≪8	Pass	
	2462	-3.144	-11.383	≪8	Pass	

Test Dat	Test Data of Conducted Output Power Spectral Density- Bandwidth 20 MHz of antenna 2					
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail	
6	2412	0.398	-7.841	≪8	Pass	
802.11b	2437	0.360	-7.879	≪8	Pass or Fail	
	2462	0.791	-7.448	≪8	Pass	
0	2412	-3.239	-11.478	≪8	Pass	
802.11g	2437	-2.994	-11.233	≪8	Pass	
	2462	-2.579	-10.818	≪8	Pass	
	2412	-3.795	-12.034	≪8	Pass	
802.11n20	2437	-3.455	-11.694	≪8	Pass	
20 2	2462	-2.805	-11.044	≪8	Pass	

	Test Data of Conducted Output Power Spectral Density- Bandwidth 20 MHz of antenna 1+2						
	Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail	
		2412	-0.52	-8.76	≤5.15	Pass	
	802.11n20	2437	-0.47	-8.70	≤5.15	Pass	
1		2462	0.04	-8.20	≤5.15	Pass	

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

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# Test Graphs of Conducted Output Power Spectral Density- Bandwidth 10 MHz-Ant 1



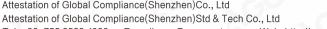


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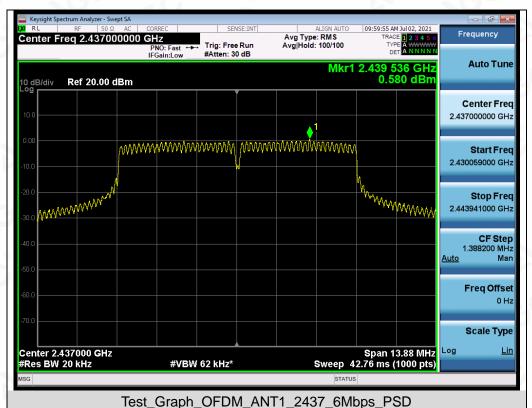














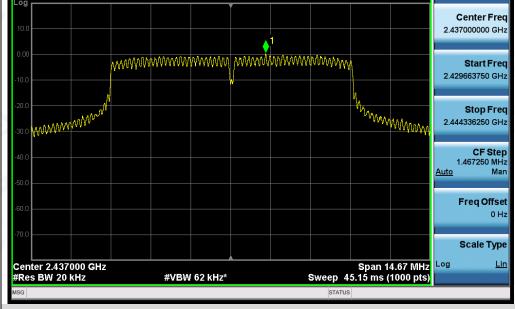


Test\_Graph\_OFDM\_ANT1\_2462\_6Mbps\_PSD





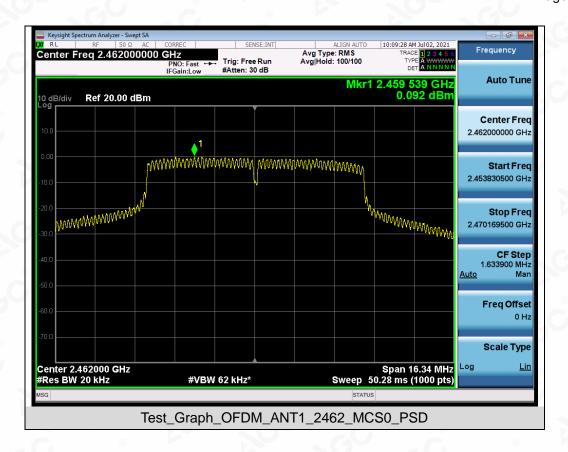




Test\_Graph\_OFDM\_ANT1\_2437\_MCS0\_PSD

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### Test Graphs of Conducted Output Power Spectral Density- Bandwidth 10 MHz-Ant 2



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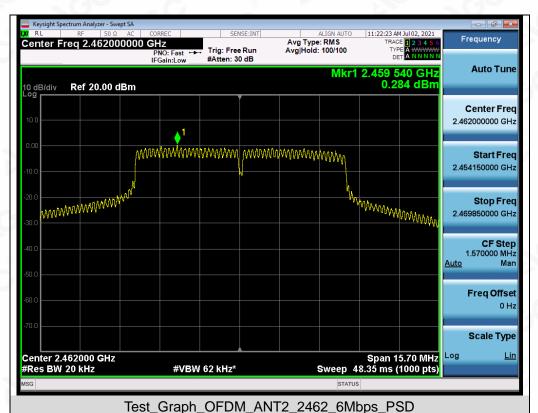


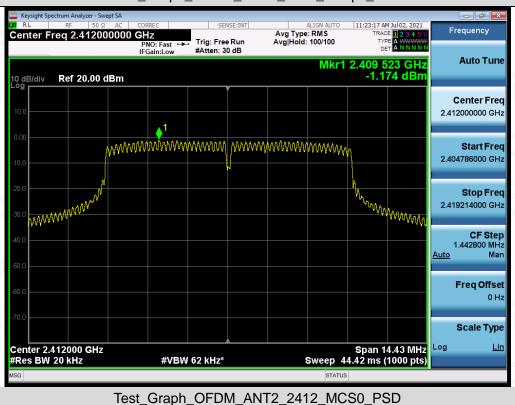




Test\_Graph\_OFDM\_ANT2\_2437\_6Mbps\_PSD













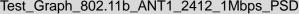
Test\_Graph\_OFDM\_ANT2\_2462\_MCS0\_PSD

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# Test Graphs of Conducted Output Power Spectral Density- Bandwidth 20 MHz-Ant 1







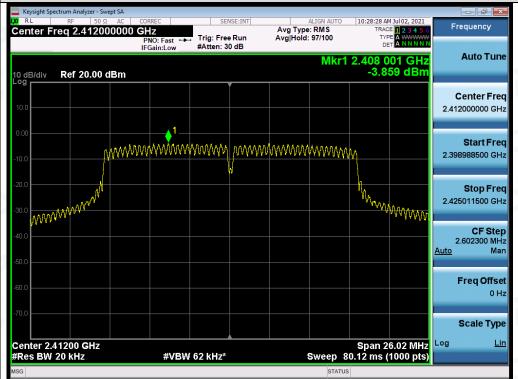
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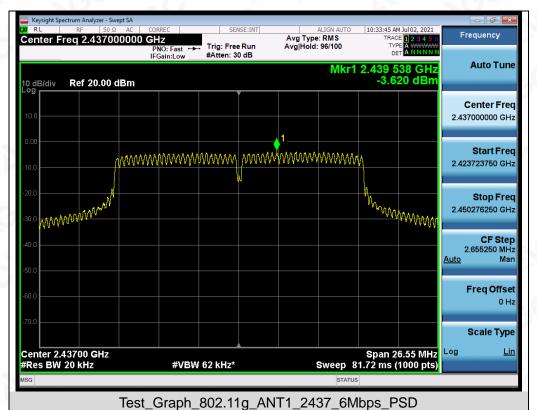






Test\_Graph\_802.11g\_ANT1\_2412\_6Mbps\_PSD



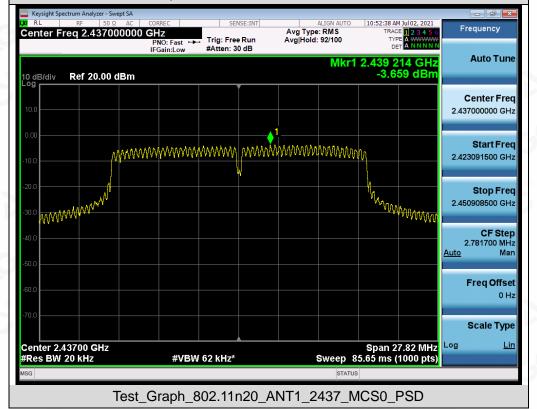




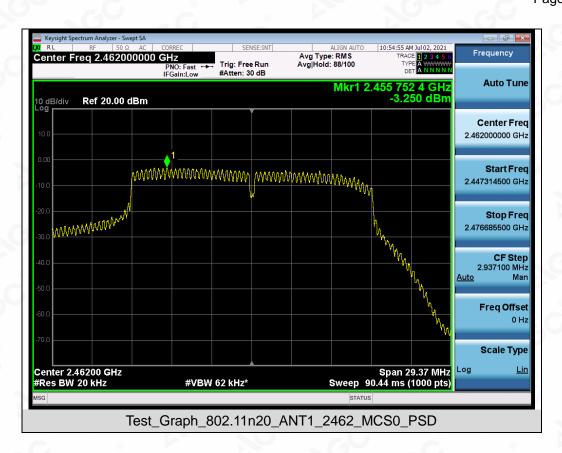




Test\_Graph\_802.11n20\_ANT1\_2412\_MCS0\_PSD







# Test Graphs of Conducted Output Power Spectral Density- Bandwidth 20 MHz Ant 2



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