Start Fred 2.483500000 GHz

Stop Freq 25.000000000 GHz

**CF Step** 2.251650000 GHz

Freq Offset

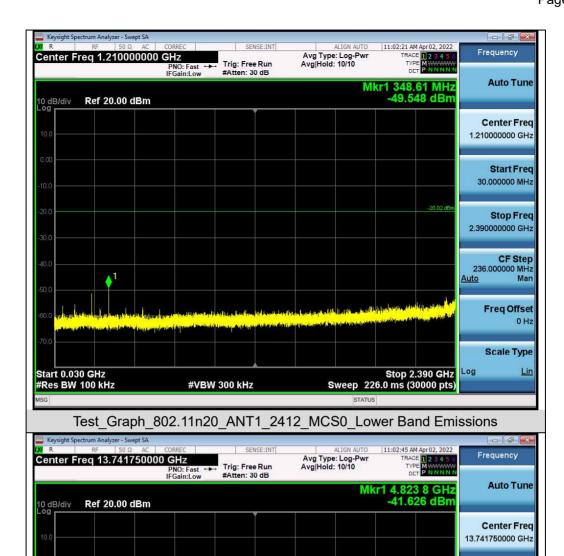
Scale Type

Auto

Log

Stop 25.00 GHz Sweep 2.152 s (30000 pts)





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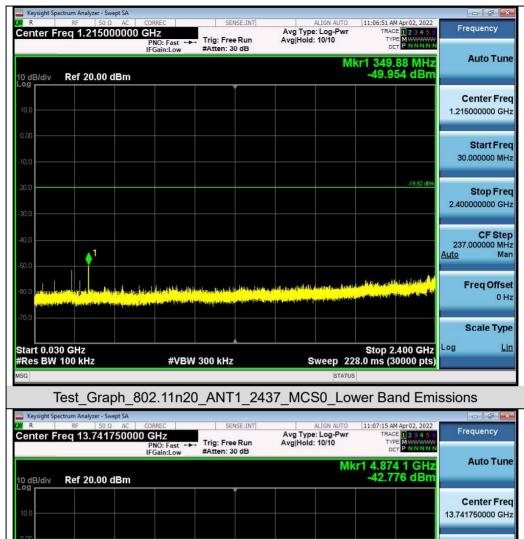
Test Graph 802.11n20 ANT1 2412 MCS0 Higher Band Emissions

#VBW 300 kHz

1

Start 2.48 GHz #Res BW 100 kHz





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25.000000000 GHz

Auto

Log

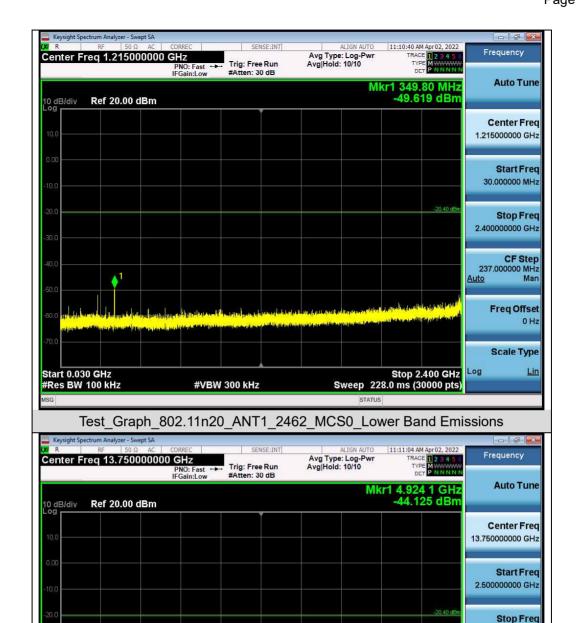
Stop 25.00 GHz Sweep 2.152 s (30000 pts)

**CF Step** 2.250000000 GHz

Freq Offset

Scale Type





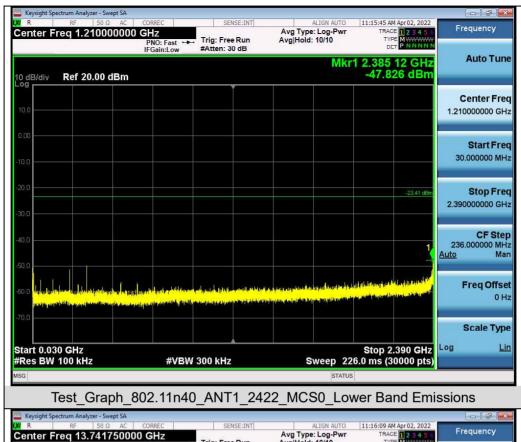
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Test Graph 802.11n20 ANT1 2462 MCS0 Higher Band Emissions

#VBW 300 kHz

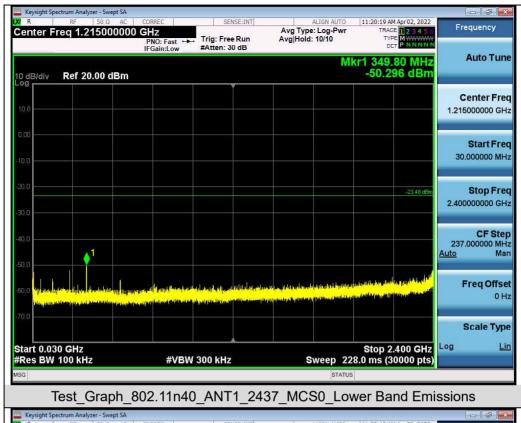
Start 2.50 GHz #Res BW 100 kHz













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2.250000000 GHz

Freq Offset

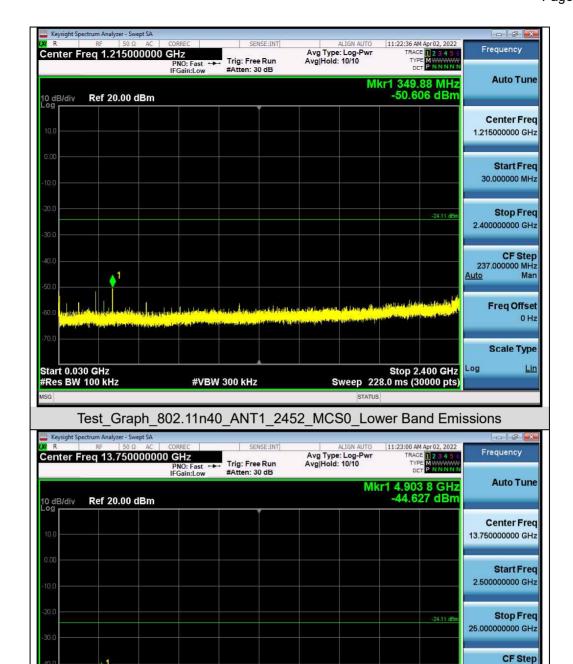
Scale Type

Auto

Log

Stop 25.00 GHz Sweep 2.152 s (30000 pts)



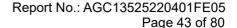


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Test Graph 802.11n40 ANT1 2452 MCS0 Higher Band Emissions

#VBW 300 kHz

Start 2.50 GHz #Res BW 100 kHz





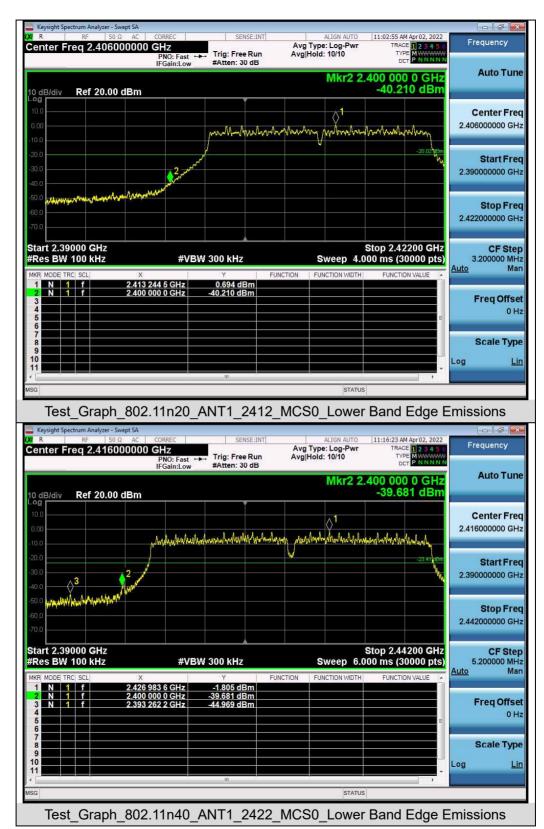
#### Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands



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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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### 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.

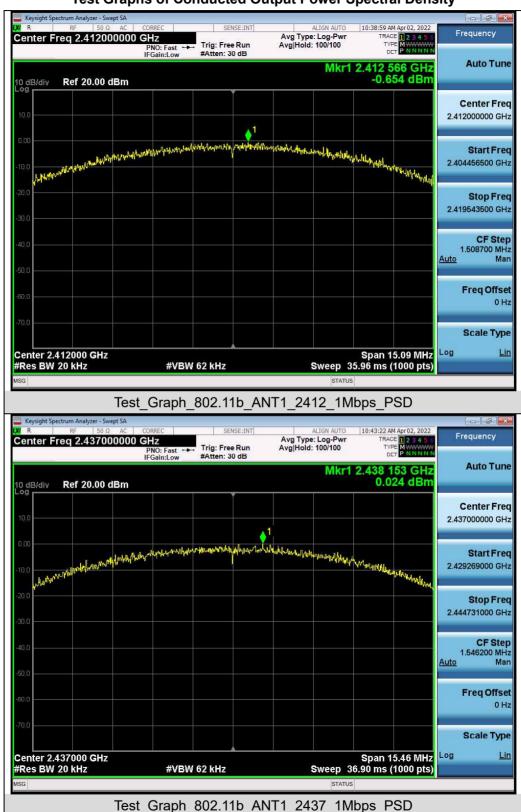
# **10.4 LIMITS AND MEASUREMENT RESULT**

Test Data of Conducted Output Power Spectral Density					
Test Mode	Test Channel (MHz)	Power density (dBm/20kHz)	Power density (dBm/3kHz)	Limit (dBm/3kHz)	Pass or Fail
802.11b	2412	-0.654	-8.893	≤8	Pass
	2437	0.024	-8.215	≤8	Pass
	2462	-0.812	-9.051	≤8	Pass
802.11g	2412	-4.286	-12.525	≤8	Pass
	2437	-4.106	-12.345	≤8	Pass
	2462	-4.425	-12.664	≤8	Pass
802.11n20	2412	-5.792	-14.031	≤8	Pass
	2437	-5.727	-13.966	≤8	Pass
	2462	-6.130	-14.369	≤8	Pass
802.11n40	2422	-8.416	-16.655	≤8	Pass
	2437	-8.238	-16.477	≤8	Pass
	2452	-8.967	-17.206	≤8	Pass

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



## **Test Graphs of Conducted Output Power Spectral Density**

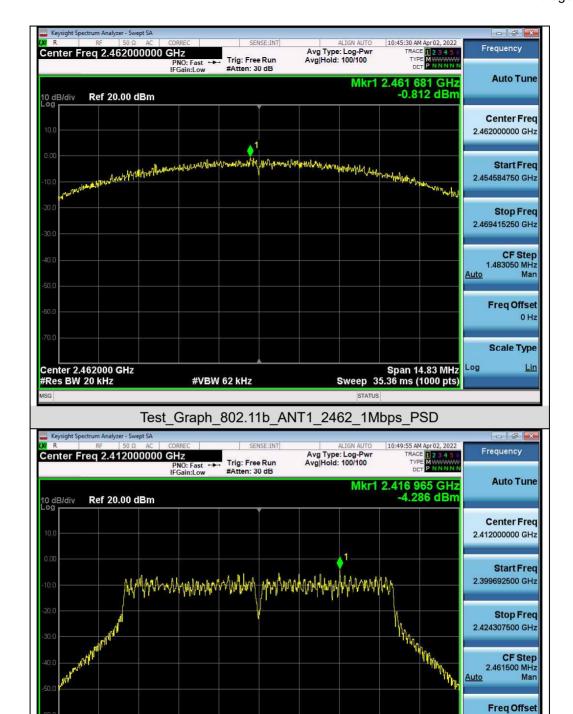


Scale Type

Log

Span 24.62 MHz Sweep 58.67 ms (1000 pts)





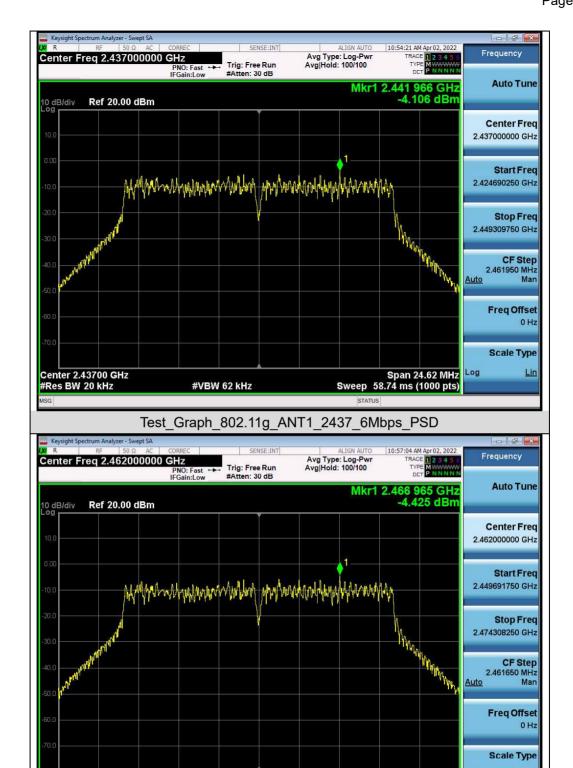
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Test\_Graph\_802.11g\_ANT1\_2412\_6Mbps\_PSD

#VBW 62 kHz

Center 2.41200 GHz #Res BW 20 kHz





Test\_Graph\_802.11g\_ANT1\_2462\_6Mbps\_PSD

#VBW 62 kHz

Span 24.62 MHz Sweep 58.74 ms (1000 pts)

Log

Center 2.46200 GHz #Res BW 20 kHz

2.636550 MHz Mar

Freq Offset

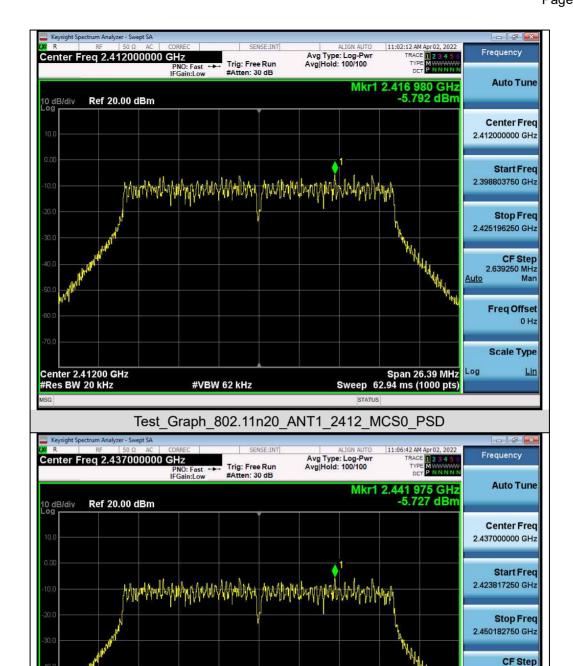
Scale Type

Auto

Log

Span 26.37 MHz Sweep 62.87 ms (1000 pts)





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Test Graph 802.11n20 ANT1 2437 MCS0 PSD

#VBW 62 kHz

Center 2.43700 GHz #Res BW 20 kHz

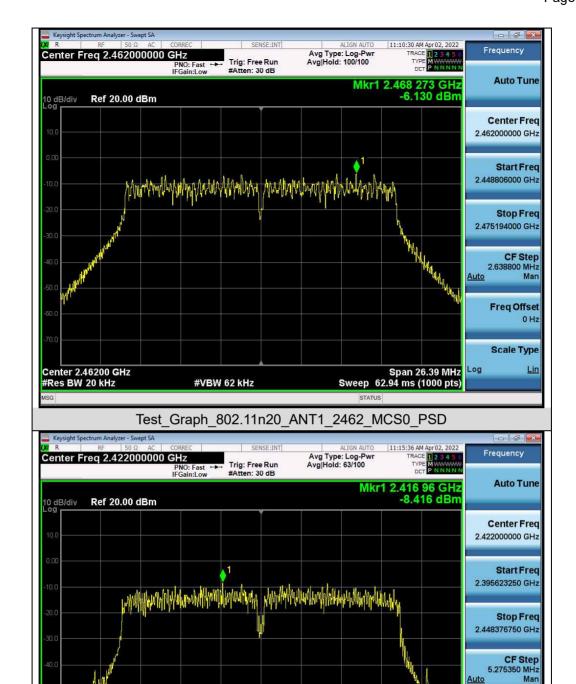
Freq Offset

Scale Type

Log

Span 52.75 MHz Sweep 125.8 ms (1000 pts)





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Test Graph 802.11n40 ANT1 2422 MCS0 PSD

#VBW 62 kHz

Center 2.42200 GHz #Res BW 20 kHz





Test Graph 802.11n40 ANT1 2452 MCS0 PSD