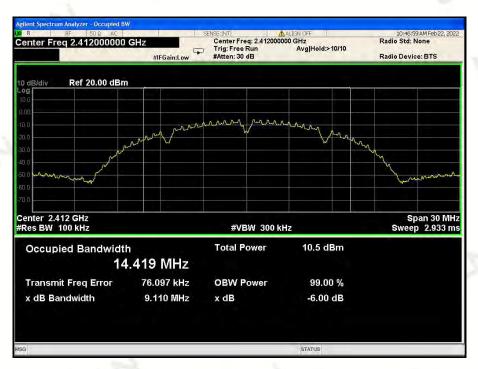
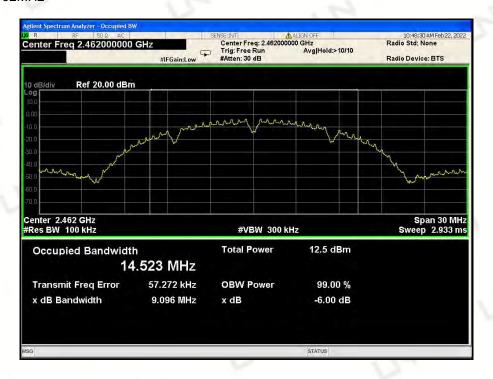


TX 802.11b Mode					
Frequency 6dB Bandwidth Channel Separation (MHz) (MHz) Result					
2412	9.110	>=500	PASS		
2437	9.107	>=500	PASS		
2462	9.096	>=500	PASS		



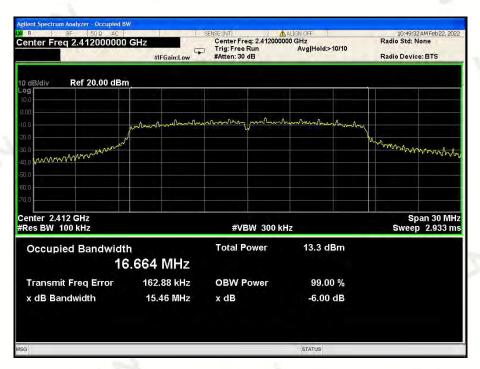
CH06: 2437MHz



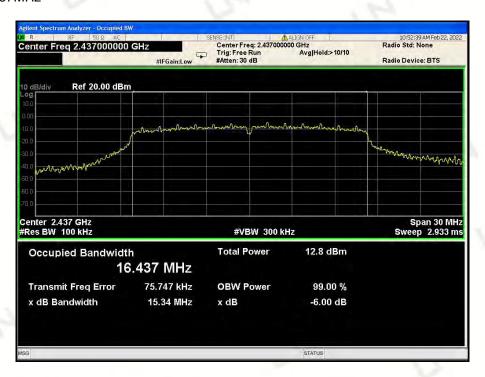


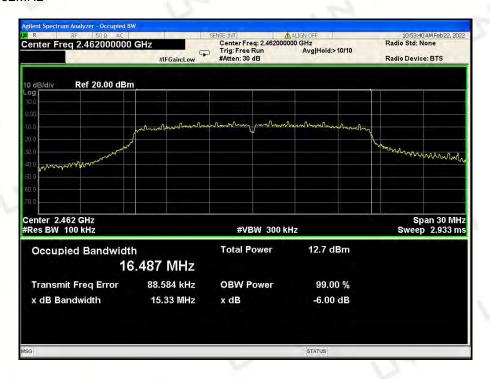


TX 802.11g Mode				
Frequency 6dB Bandwidth Channel Separation (MHz) (MHz) Result				
2412	15.46	>=500	PASS	
2437	15.34	>=500	PASS	
2462	15.33	>=500	PASS	



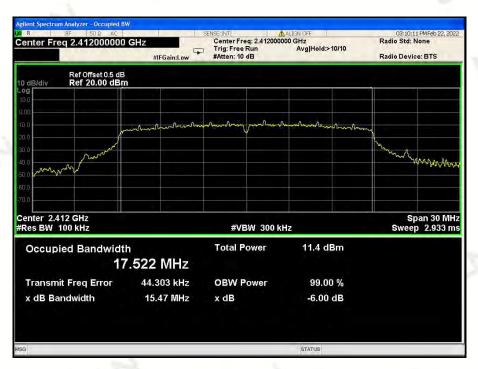
CH06: 2437MHz





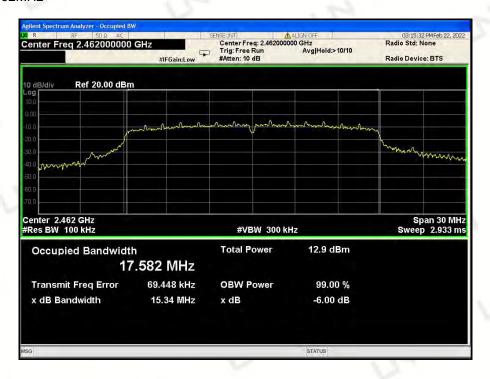


TX 802.11n/HT20 Mode				
Frequency 6dB Bandwidth Channel Separation (MHz) (MHz) Result				
2412	15.47	>=500	PASS	
2437	15.44	>=500	PASS	
2462	15.34	>=500	PASS	



CH06: 2437MHz

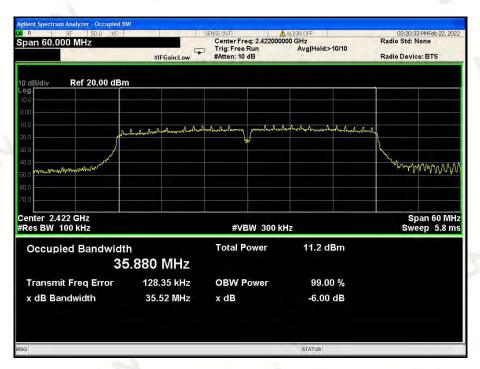




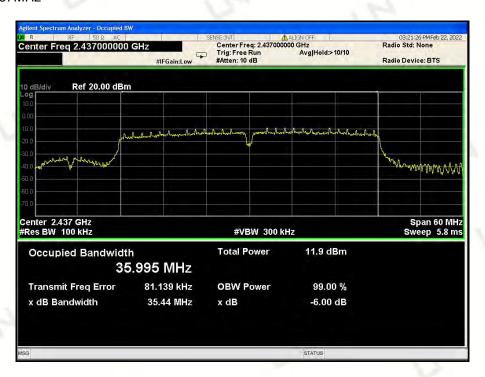


TX 802.11n/HT40 Mode					
Frequency (MHz) 6dB Bandwidth Channel Separation (MHz) Result					
2422	35.52	>=500	PASS		
2437	35.44	>=500	PASS		
2452	35.33	>=500	PASS		

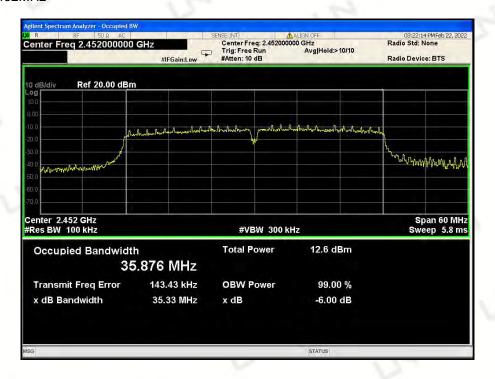
CH03: 2422MHz



CH06: 2437MHz



CH09: 2452MHz



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6 POWER SPECTRAL DENSITY

6.1 TEST LIMIT

	FCC Part15(15.247), Subpart C				
Section Test Item Limit Frequency Range (MHz) Resul				Result	
15.247	Power Spectral Density	8 dBm (in any 3kHz)	2400-2483.5	PASS	

6.2 TEST PROCEDURE

- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- 2. Set EUT as normal operation.
- 3. Based on FCC Part15 C Section 15.247: RBW=3kHz, VBW=10kHz.
- 4. The useful radiated emission from the EUT was detected by the spectrum analyzer with peak detector.

6.3 EQUIPMENT USED

Same as Radiated Emission Measurement.

6.4 TEST RESULT

PASS



	TX 802.11b Mode				
Frequency Power Density Limit Result (MHz) (dBm/3kHz)					
2412	-9.530	8	PASS		
2437	-9.813	8	PASS		
2462	-10.631	8	PASS		



CH06: 2437MHz



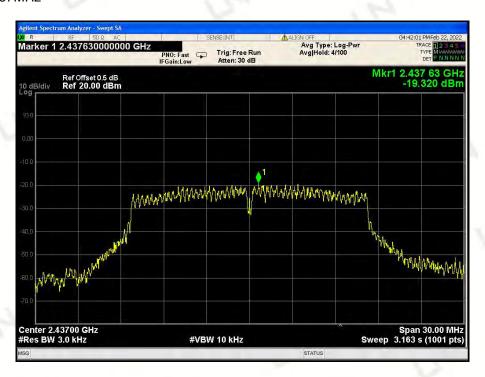




TX 802.11g Mode					
Frequency Power Density Limit Result					
2412	-17.694	8	PASS		
2437	-19.320	8	PASS		
2462	-19.138	8	PASS		



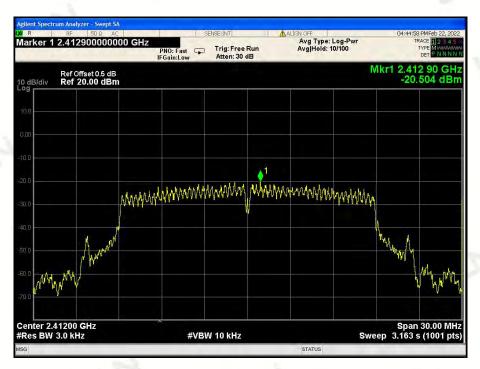
CH06: 2437MHz







TX 802.11n/HT20 Mode					
Frequency Power Density Limit Result (MHz) (dBm/3kHz)					
2412	-20.504	8	PASS		
2437	-19.135	8	PASS		
2462	-16.515	8	PASS		



CH06: 2437MHz

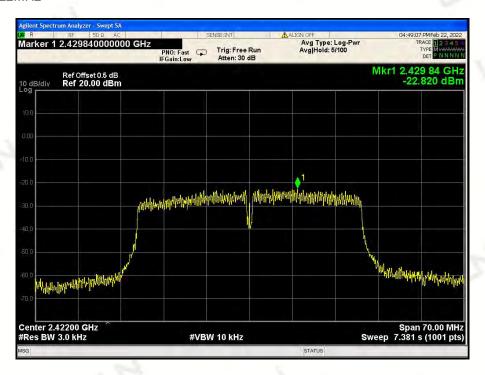




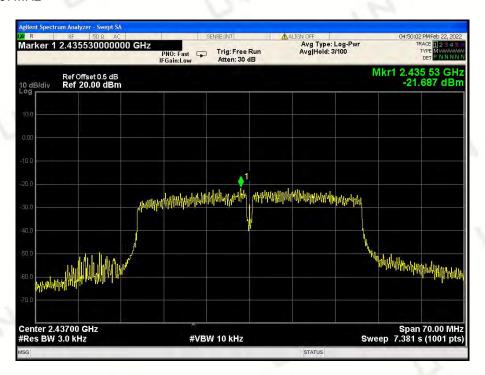


TX 802.11n/HT40 Mode					
Frequency Power Density Limit Result					
2422	-22.820	8	PASS		
2437	-21.687	8	PASS		
2452	-19.918	8	PASS		

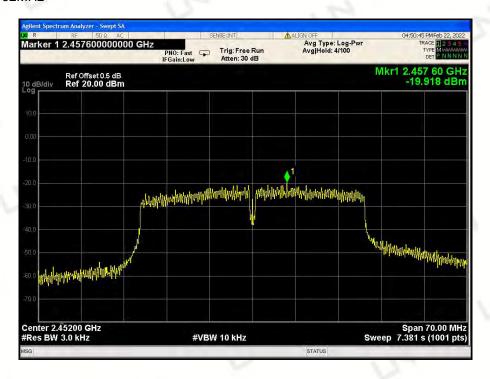
CH03: 2422MHz



CH06: 2437MHz



CH09: 2452MHz







7 PEAK OUTPUT POWER

7.1 TEST LIMIT

FCC Part15(15.247), Subpart C				
Section Test Item Limit Frequency Range (MHz) Result				Result
15.247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS

7.2 TEST PROCEDURE

- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- 2. The EUT was directly connected to the Power meter.

7.3 EQUIPMENT USED

Same as Radiated Emission Measurement.

7.4 TEST RESULT

PASS

Test Mode	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)	LIMIT (dBm)
N	2412	12.75	30
802.11b	2437	12.69	30
	2462	12.71	30
les .	2412	12.33	30
802.11g	2437	12.27	30
	2462	12.28	30
(m)	2412	11.56	30
802.11n/HT20	2437	11.47	30
	2462	11.55	30
à.	2422	10.78	30
802.11n/HT40	2437	10.69	30
	2452	10.62	30

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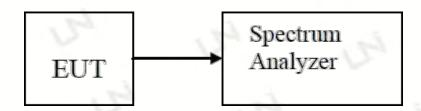


8 OUT OF BAND EMISSIONS

8.1 TEST LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

8.2 TEST SETUP



8.3 TEST PROCEDURE

- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- 2. Set EUT as TX operation and connect directly to the spectrum analyzer.
- 3. Based on FCC Part15 C Section 15.247: RBW=100kHz, VBW=300kHz.
- 4. Set detected by the spectrum analyzer with peak detector.

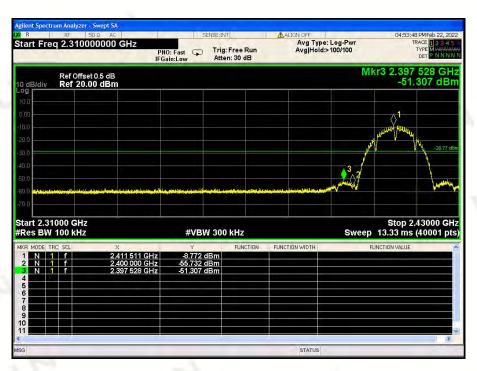
8.4 TEST RESULT

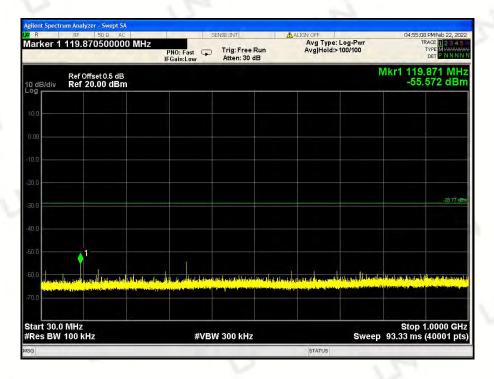
PASS



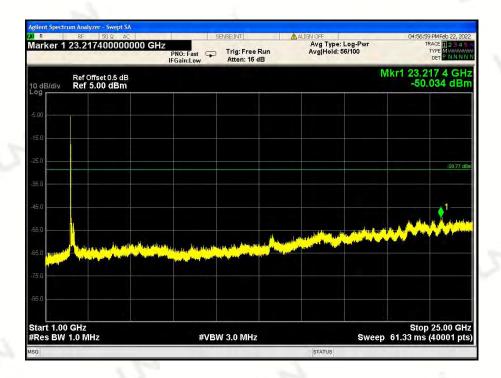


TX 802.11b Mode:

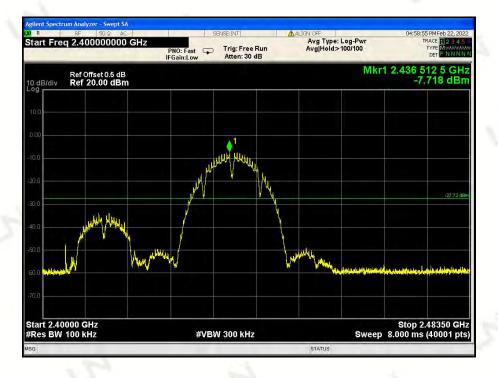




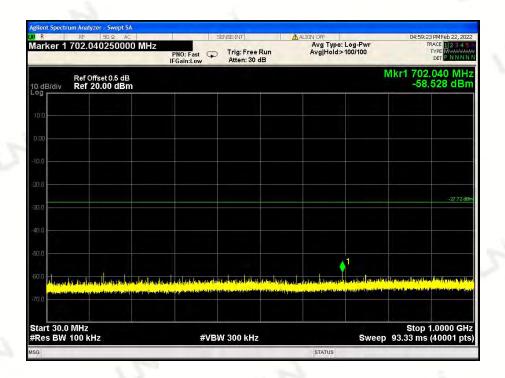


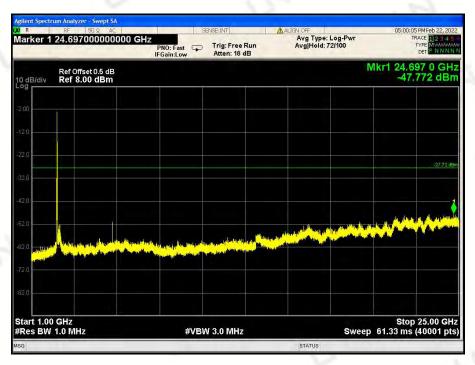


CH06: 2437MHz

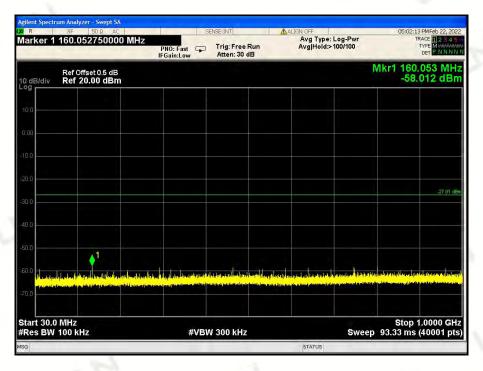




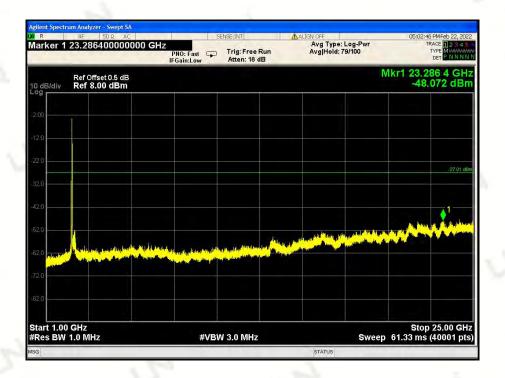




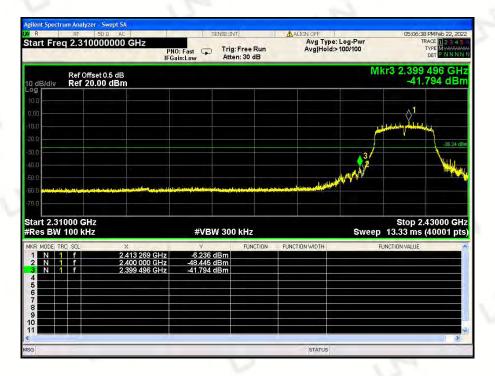




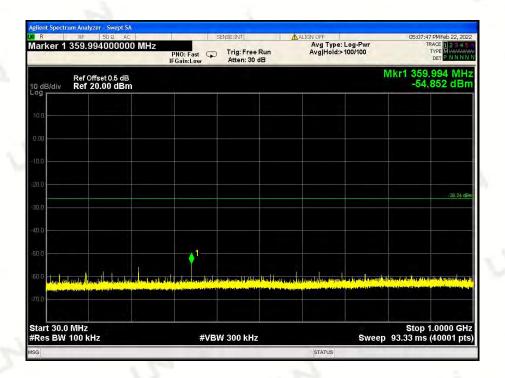


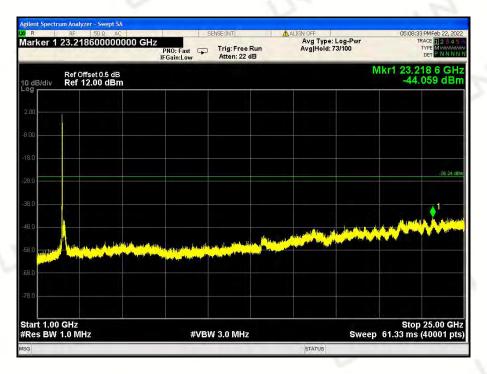


TX 802.11g Mode:

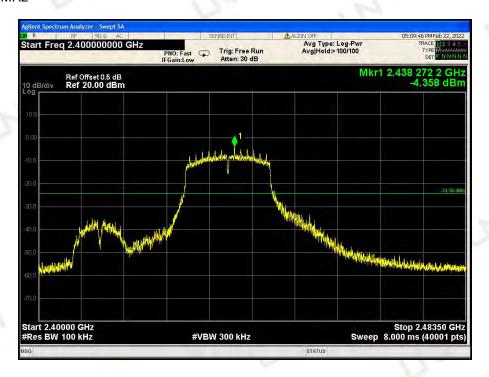


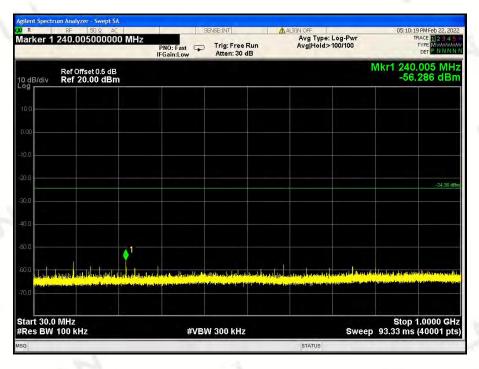




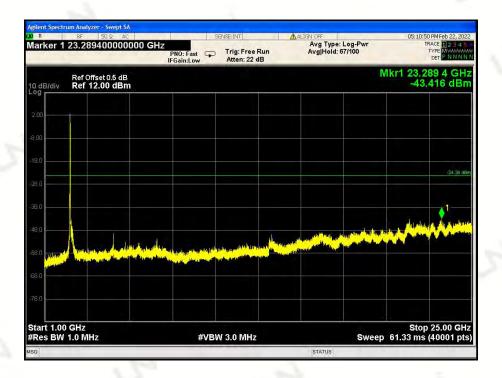


CH06: 2437MHz



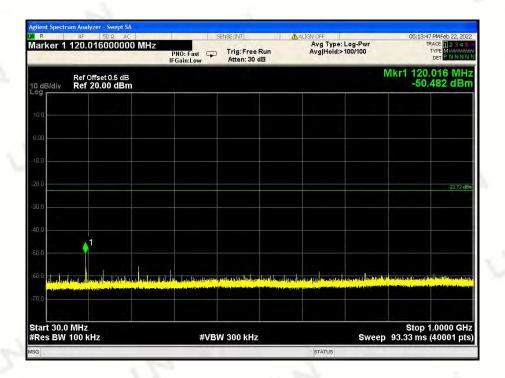


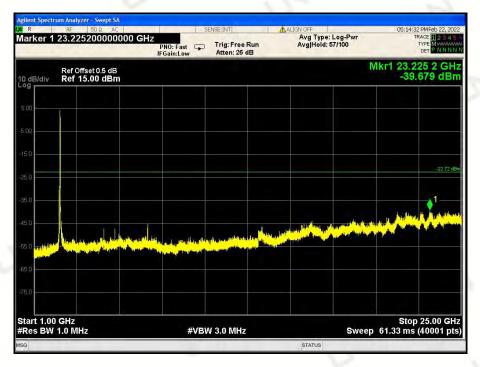










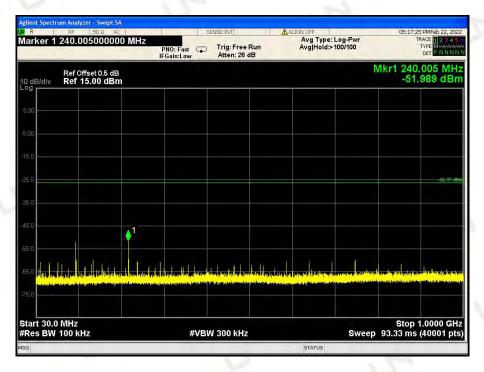




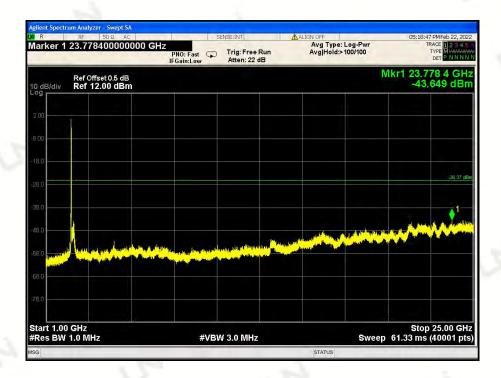


TX 802.11n/HT20 Mode:

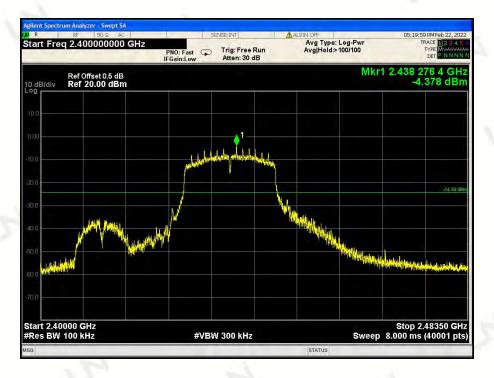




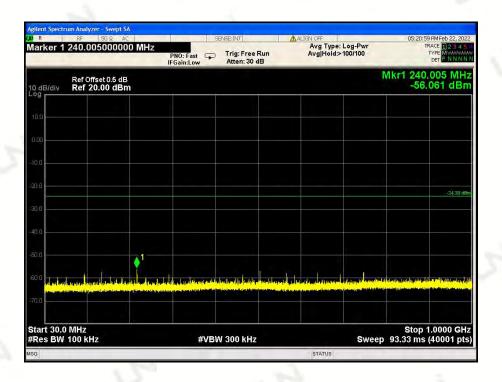


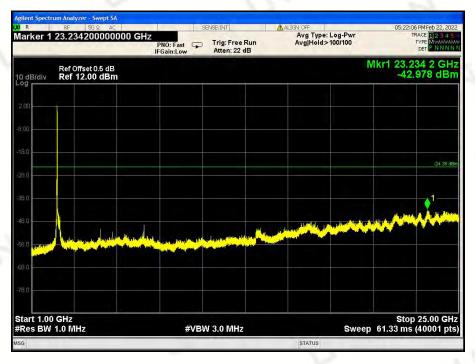


CH06: 2437MHz

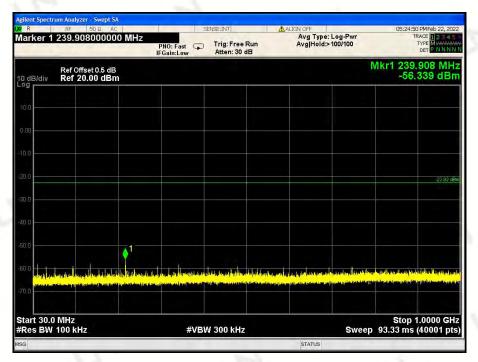


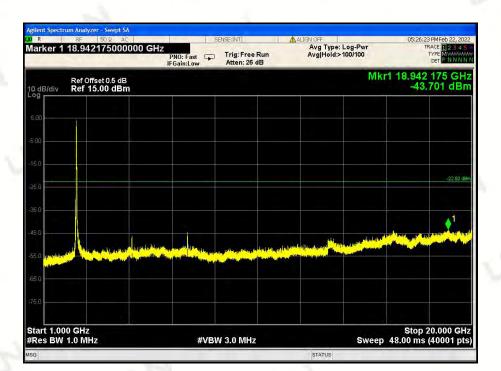










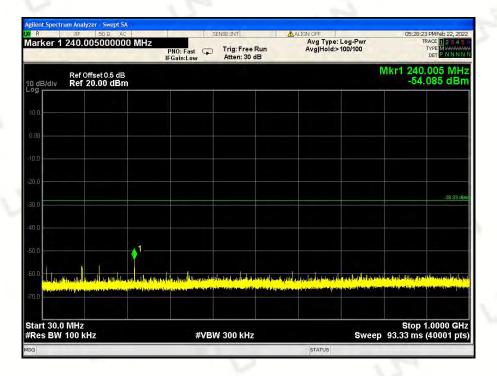




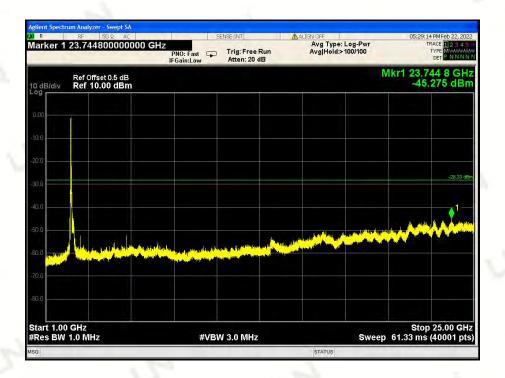
TX 802.11n/HT40 Mode:

CH03: 2422MHz

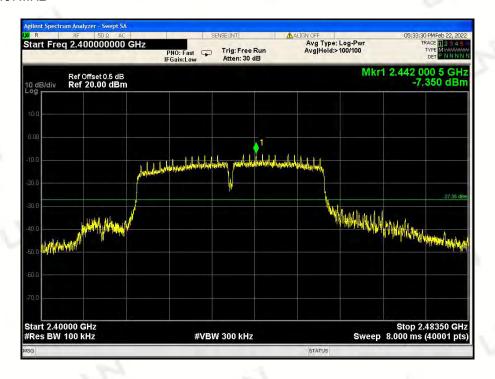




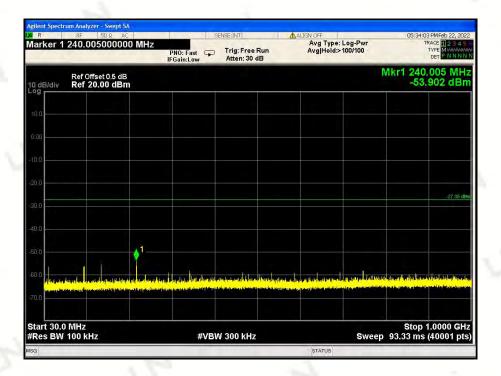


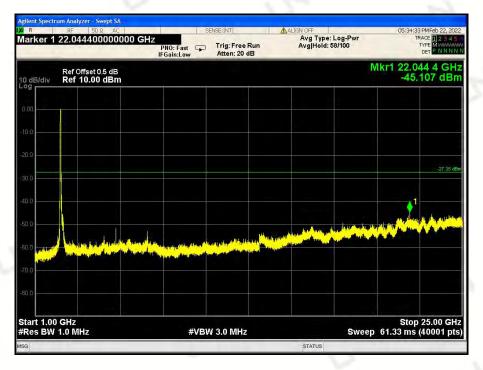


CH06: 2437MHz



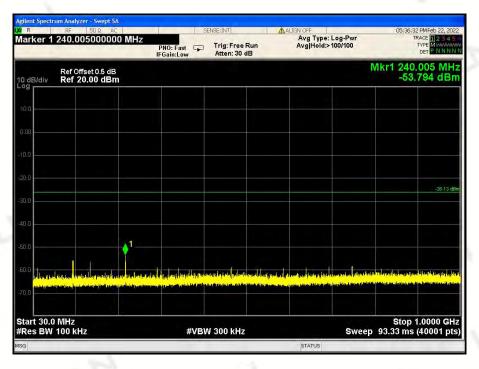




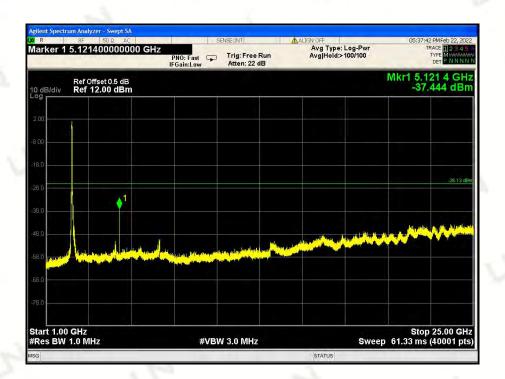


CH09: 2452MHz









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9 ANTENNA REQUIREMENT

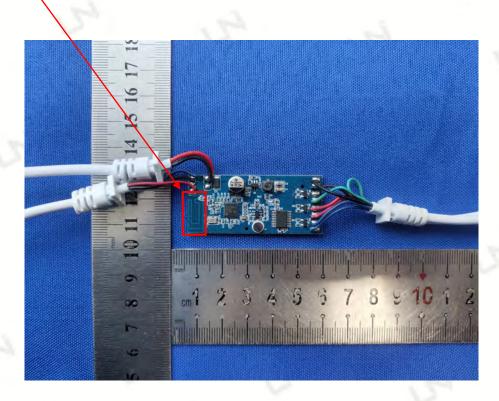
Standard Applicable:

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

Antenna Connected Construction

The antenna used in this product is a PCB Antenna, The directional gains of antenna used for transmitting is 0dBi.

ANTENNA:







10 PHOTO OF TEST

10.1 RADIATED EMISSION









10.2 CONDUCTED EMISSION



End of Report