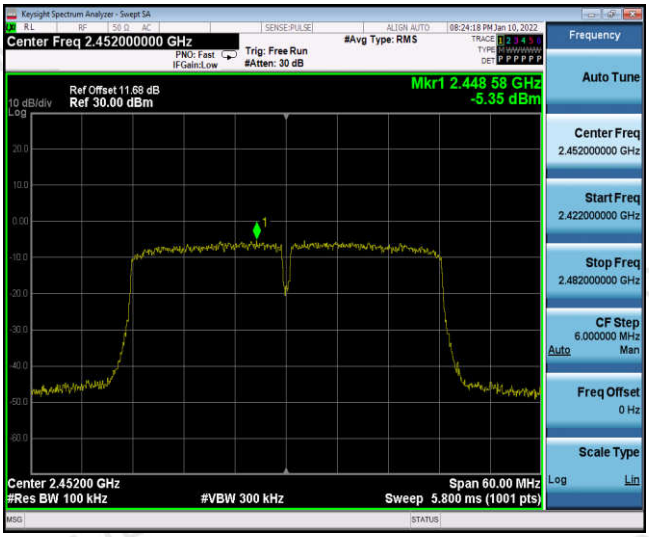
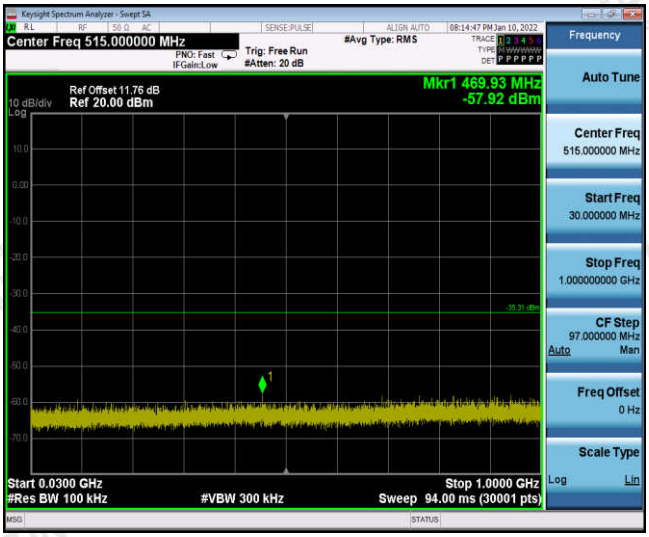
802.11n40

Reference



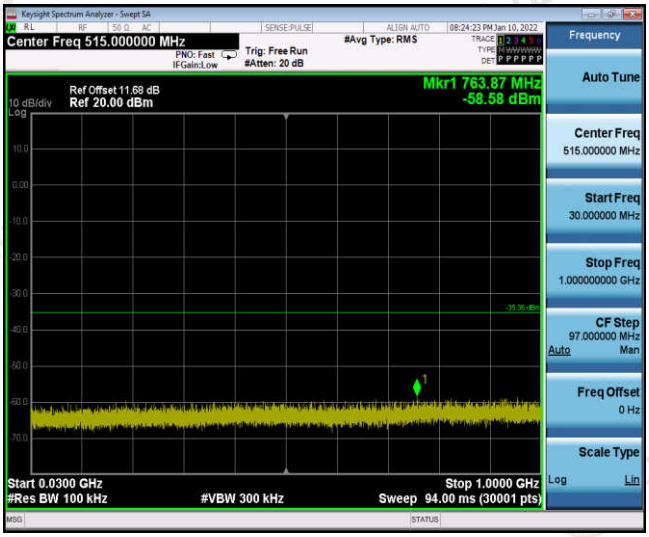
Reference

CH06

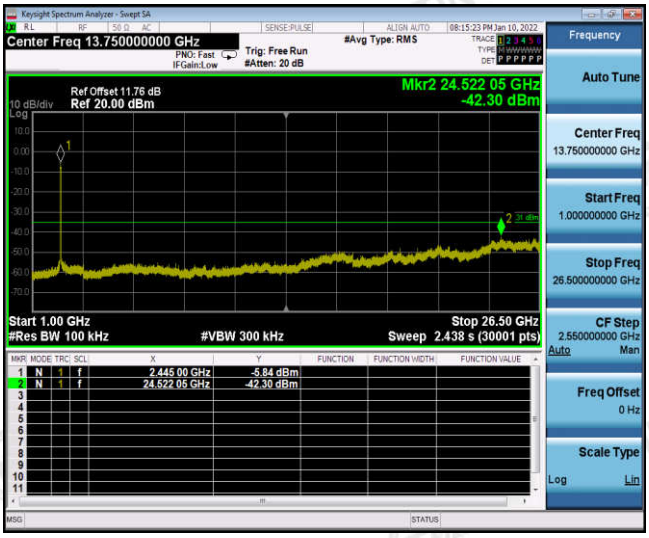


30MHz-1GHz

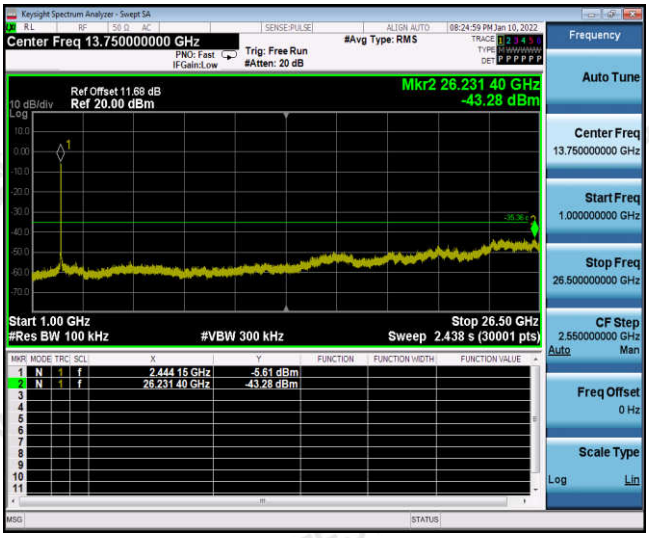
CH09



30MHz-1GHz

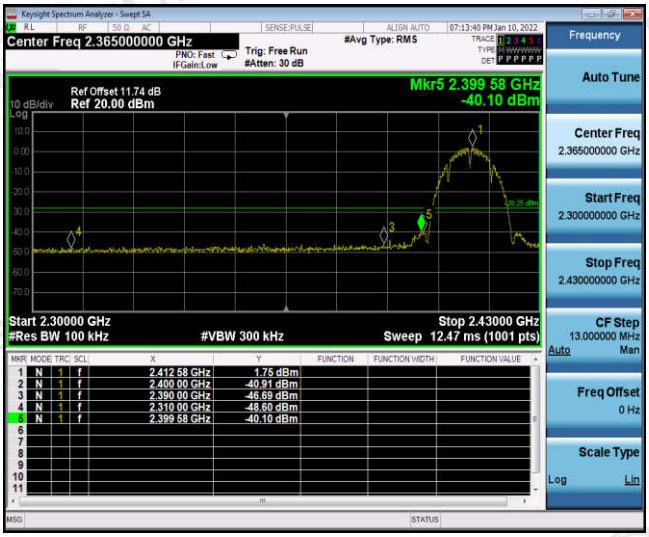
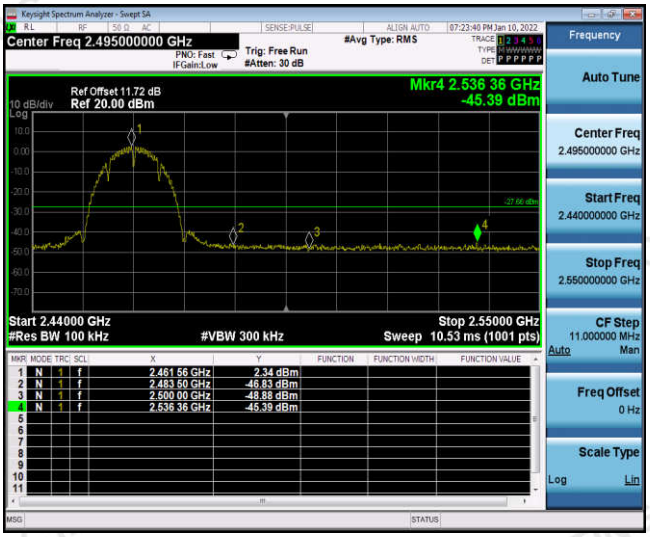


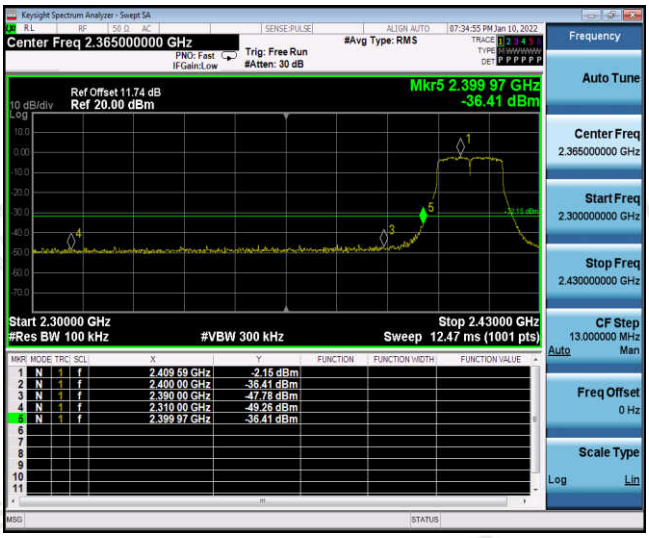
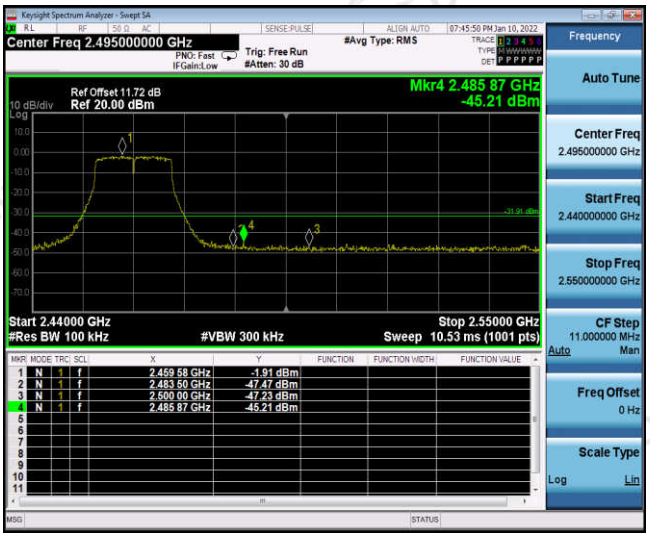
1GHz -25GHz

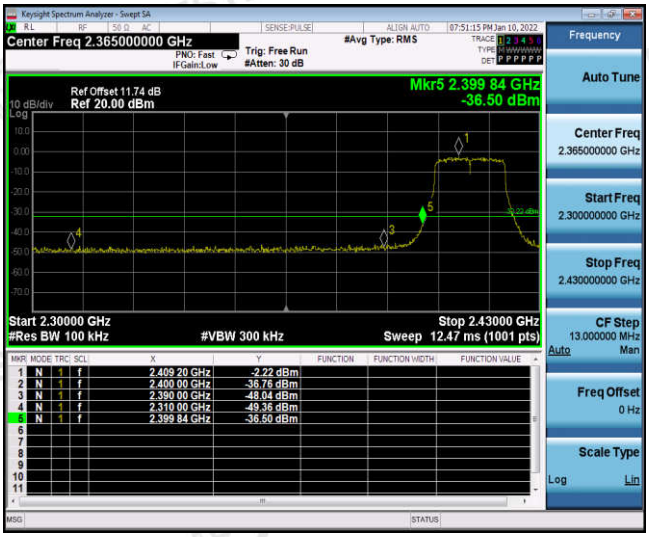
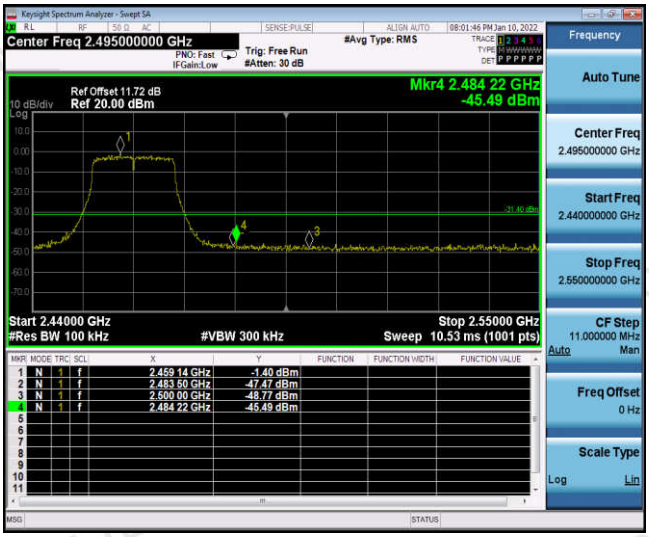


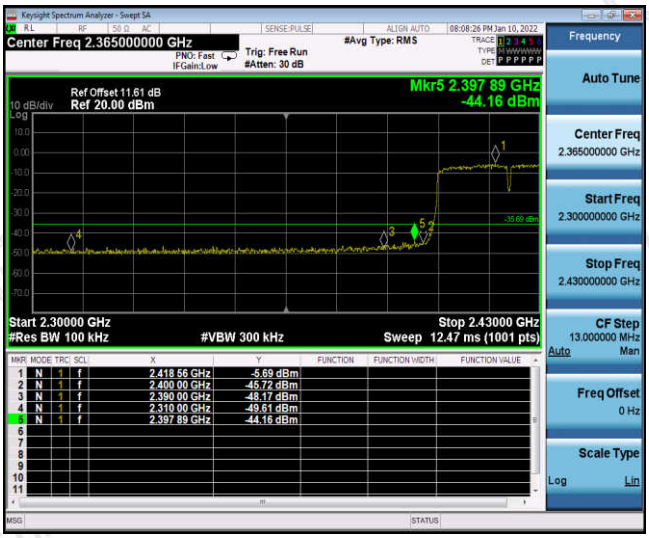
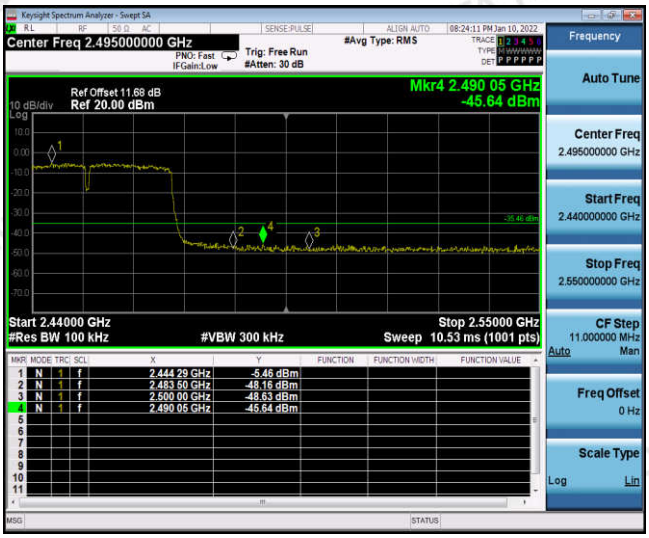
1GHz -25GHz

Band-edge Measurements for RF Conducted Emissions:

802.11b	
	
Left bandedge	Right bandedge

802.11g	
	
Left bandedge	Right bandedge

802.11n(HT20)	
	
Left bandedge	Right bandedge

802.11n(HT40)	
	
Left bandedge	Right bandedge

4.7 On Time and Duty Cycle

Standard Applicable

None; for reporting purpose only.

Measuring Instruments and Setting
Please refer to equipment's list in this report. The following table is the setting of the spectrum analyzer.

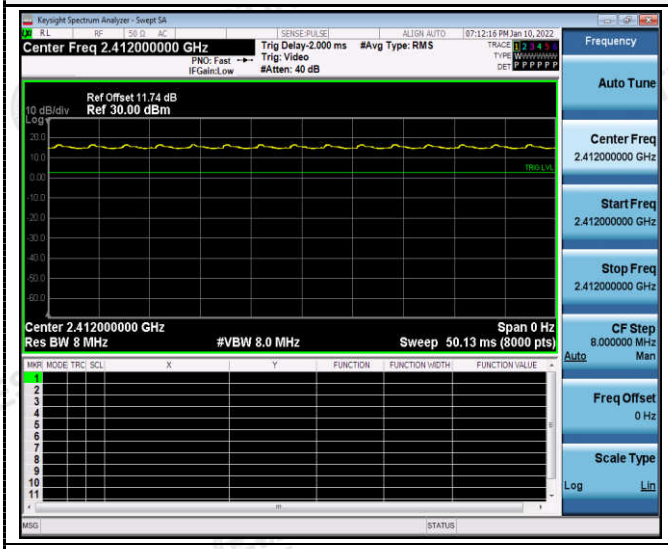
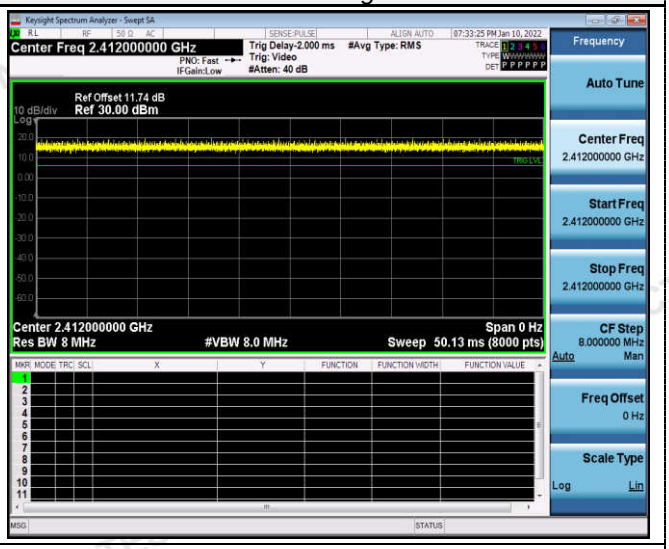
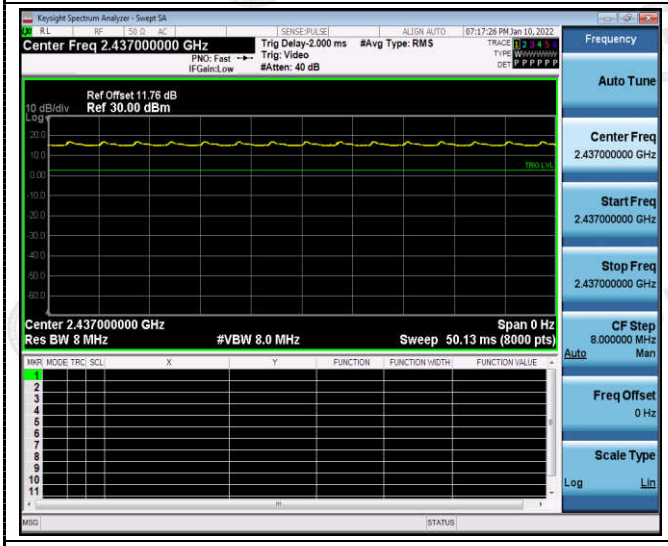
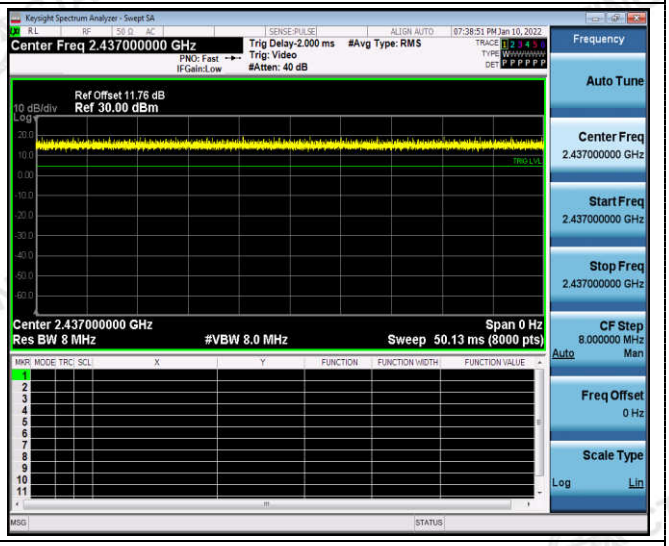
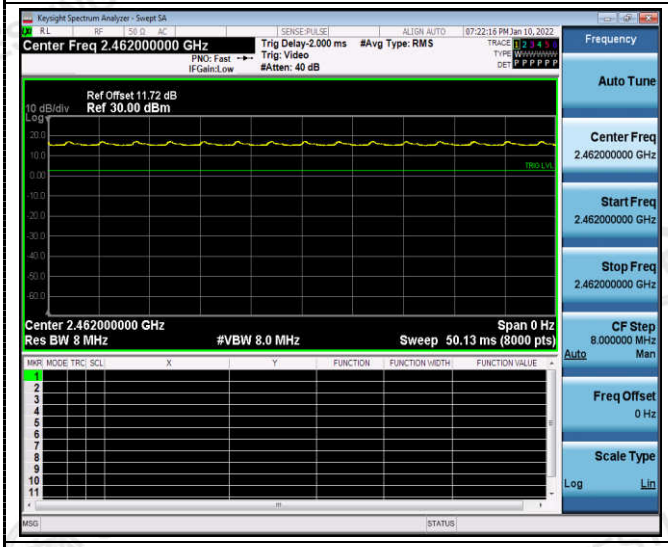
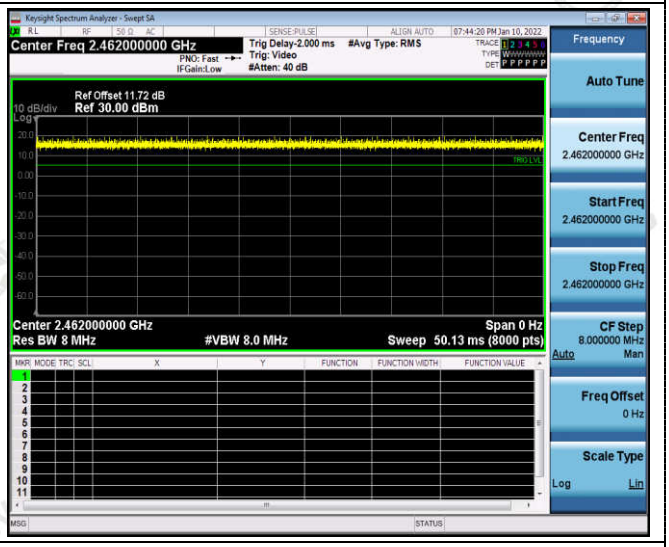
Test Procedures:

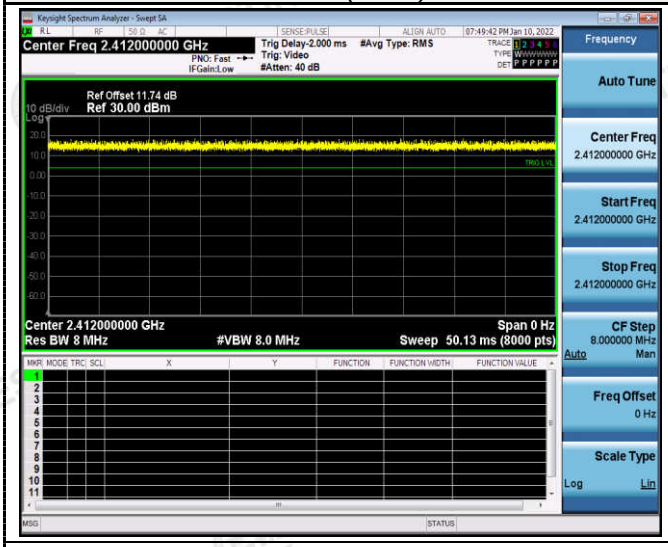
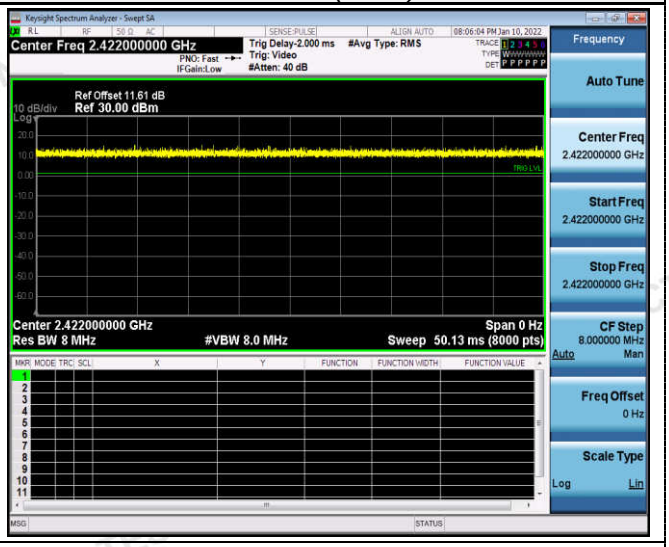
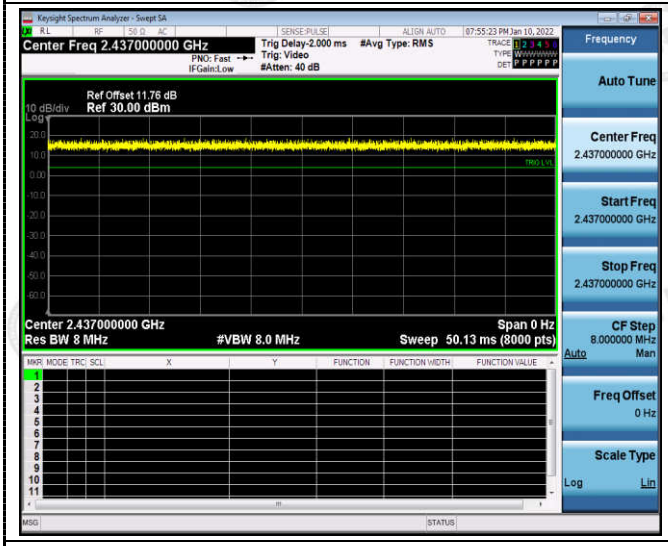
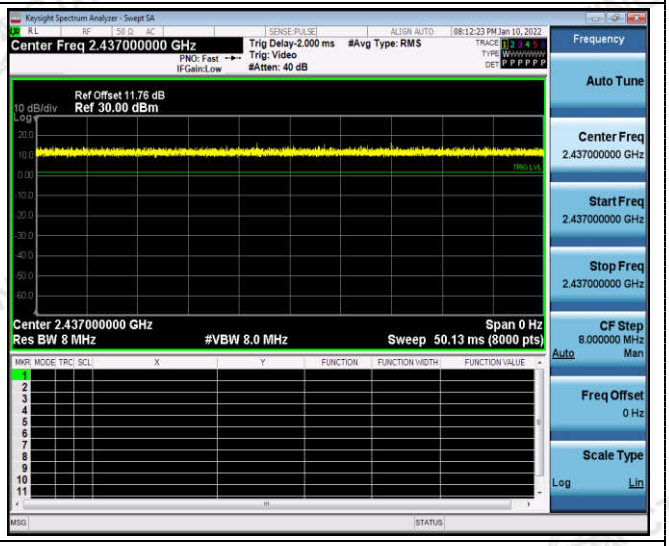
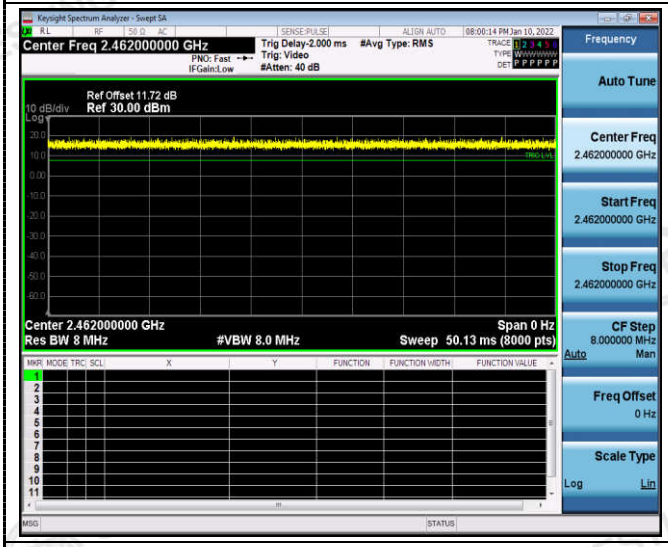
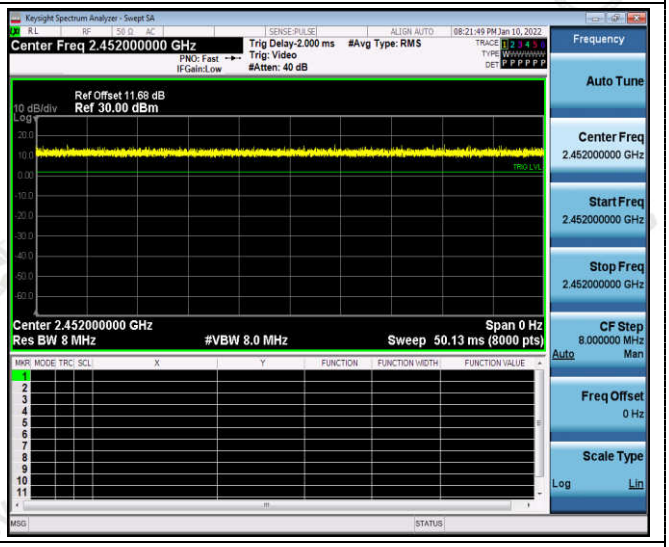
1. Set the centre frequency of the spectrum analyzer to the transmitting frequency;
2. Set the span=0MHz, RBW=10MHz, VBW=10MHz, Sweep time=5ms;
3. Detector = peak;
4. Trace mode = Single hold.

Test Configuration

Test Results

TestMode	Channel	Antenna	Duty Cycle [%]	Verdict
11B	2412	Ant1	100.00	PASS
	2437	Ant1	100.00	PASS
	2462	Ant1	100.00	PASS
11G	2412	Ant1	100.00	PASS
	2437	Ant1	100.00	PASS
	2462	Ant1	100.00	PASS
11N20SISO	2412	Ant1	100.00	PASS
	2437	Ant1	100.00	PASS
	2462	Ant1	100.00	PASS
11N40SISO	2422	Ant1	100.00	PASS
	2437	Ant1	100.00	PASS
	2452	Ant1	100.00	PASS

802.11b	802.11g
	
CH01	CH01
	
CH06	CH06
	
CH11	CH11

802.11n(HT20)	802.11n(HT40)
	
CH01	CH03
	
CH06	CH06
	
CH11	CH09

4.8 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1) (I):

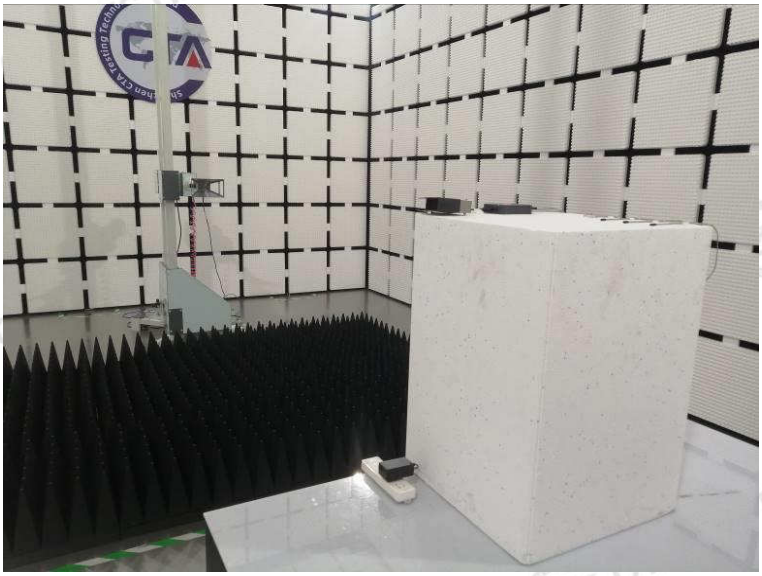
(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

Test Result:

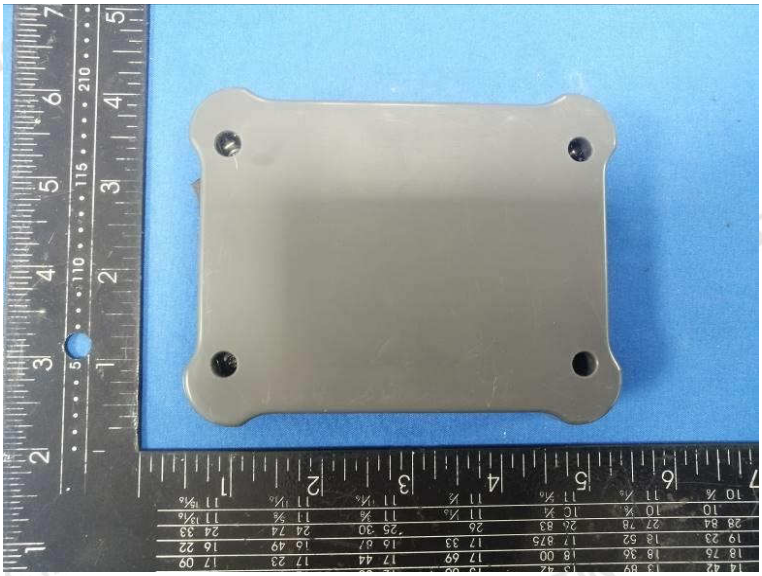
The maximum gain of antenna was 0.0 dBi.

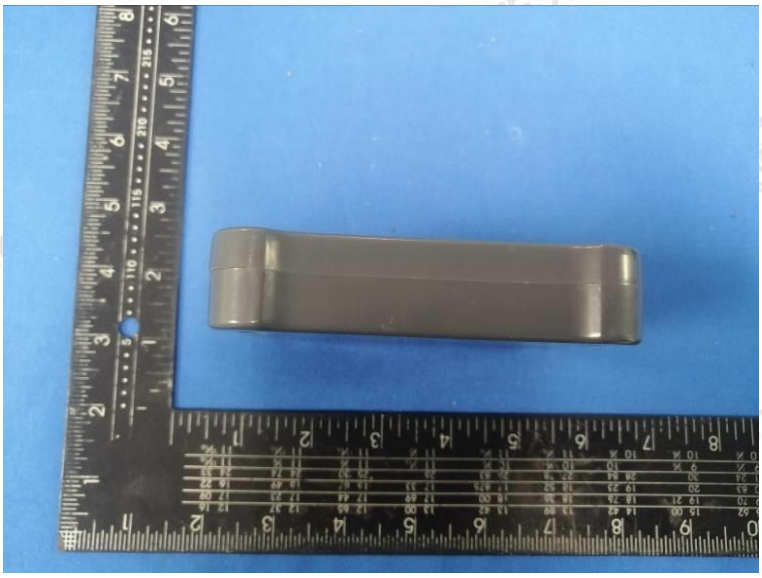
Remark:The antenna gain is provided by the customer , if the data provided by the customer is not accurate, Shenzhen CTA Testing Technology Co., Ltd. does not assume any responsibility.

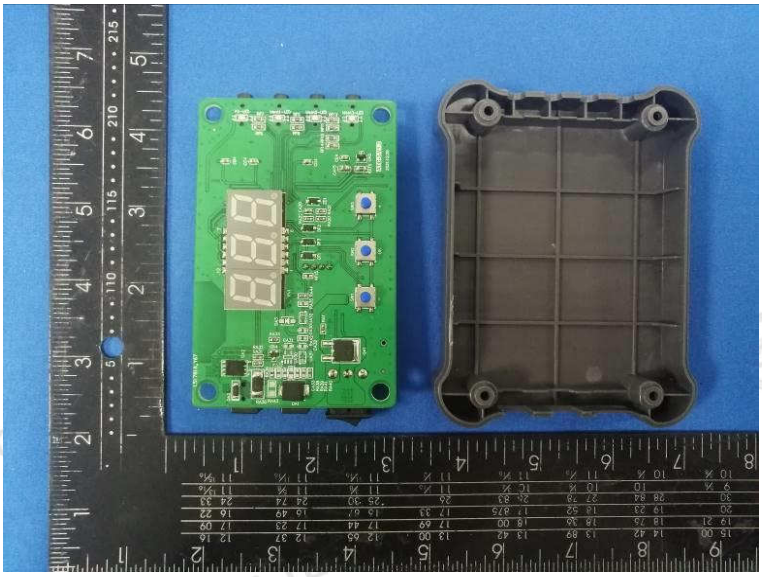
5 Test Setup Photos of the EUT

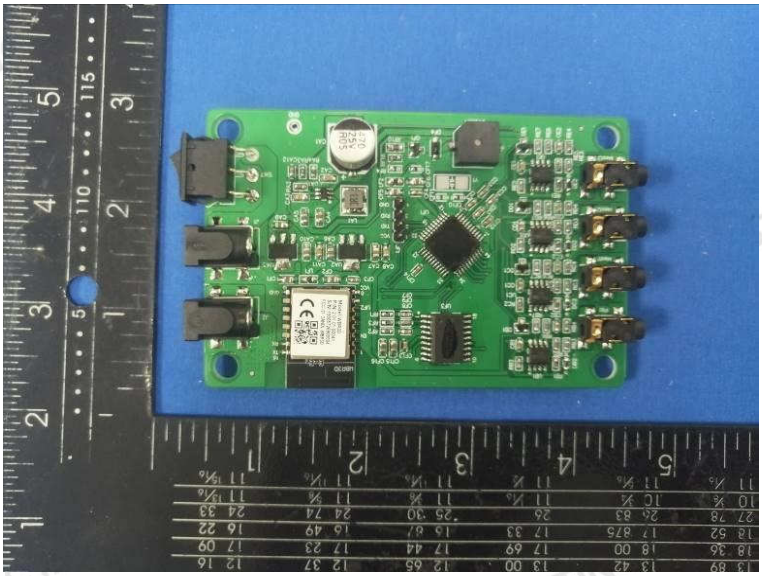


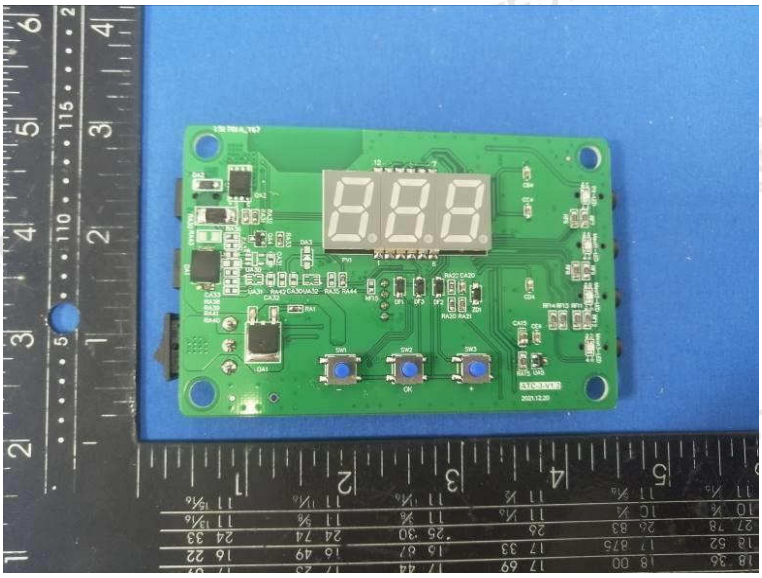
6 Photos of the EUT

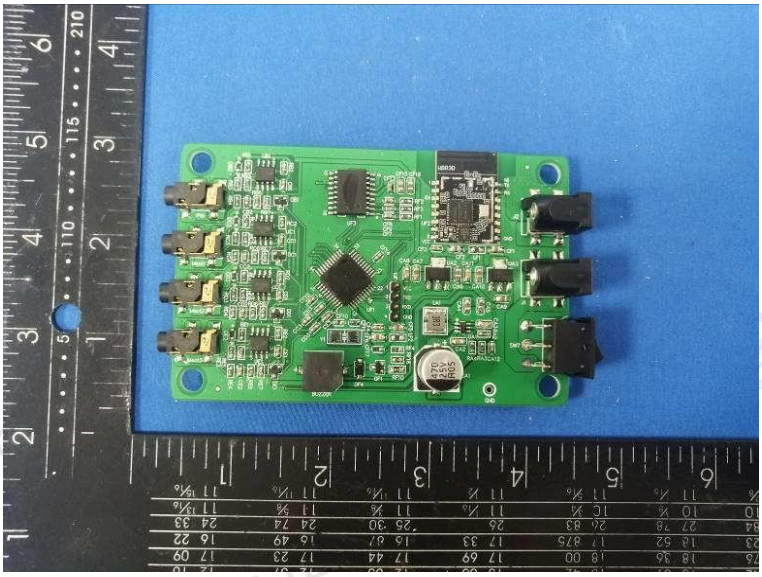


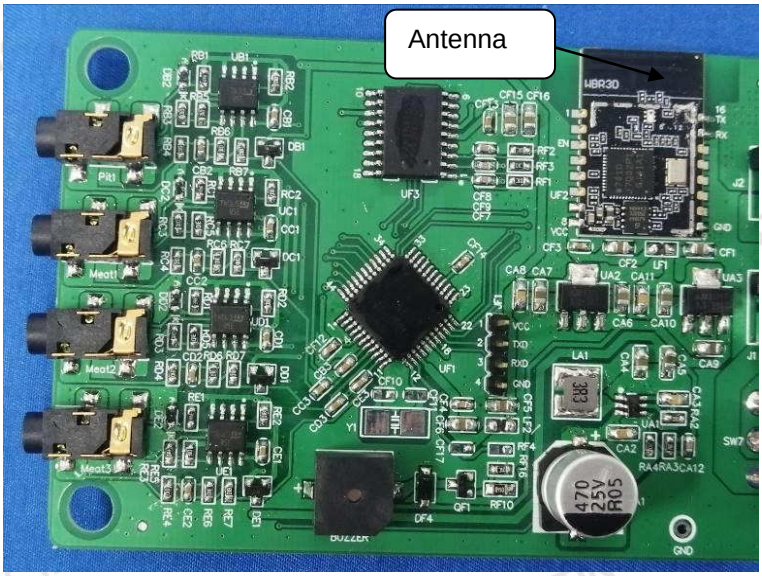












**********End of Report**********