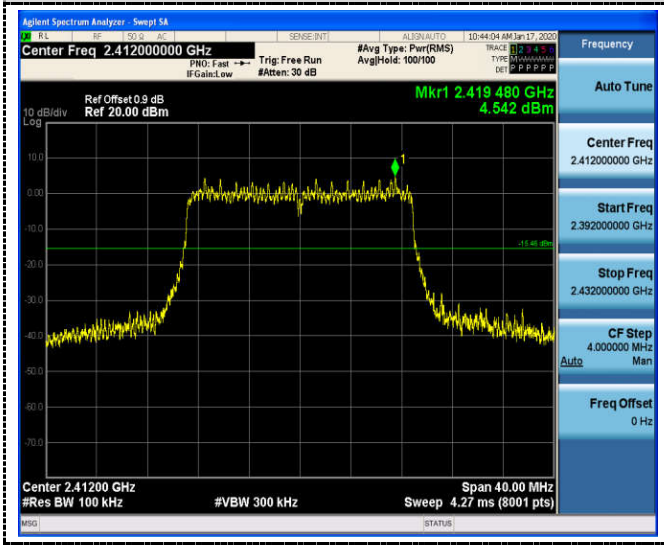
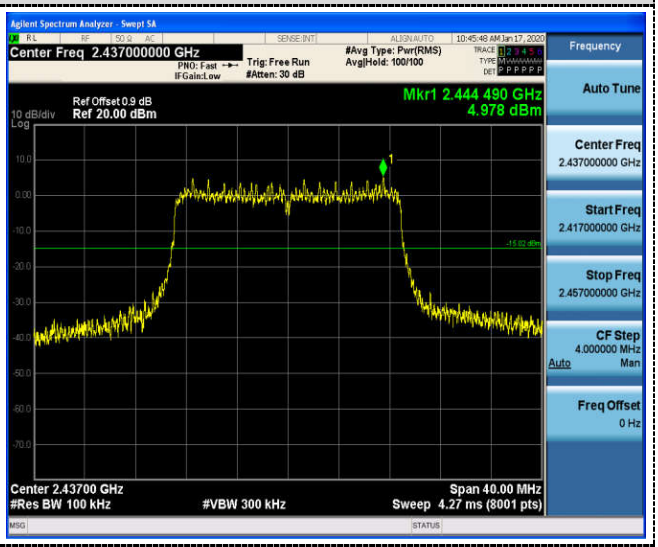
802.11n(HT20) CH01	802.11n(HT20) CH06
	
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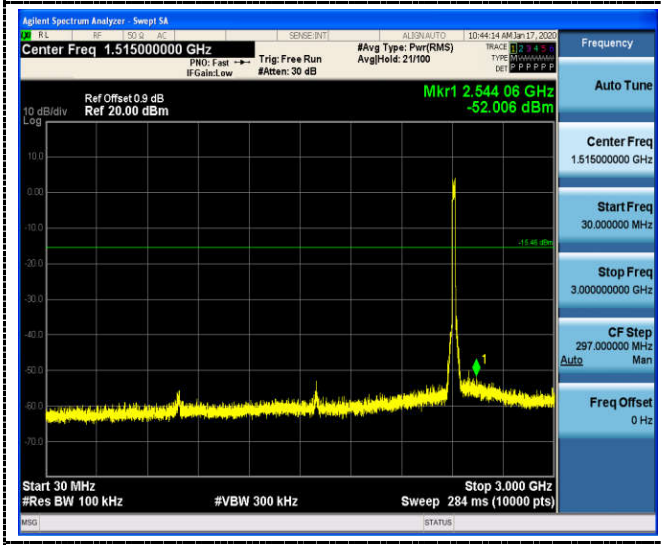
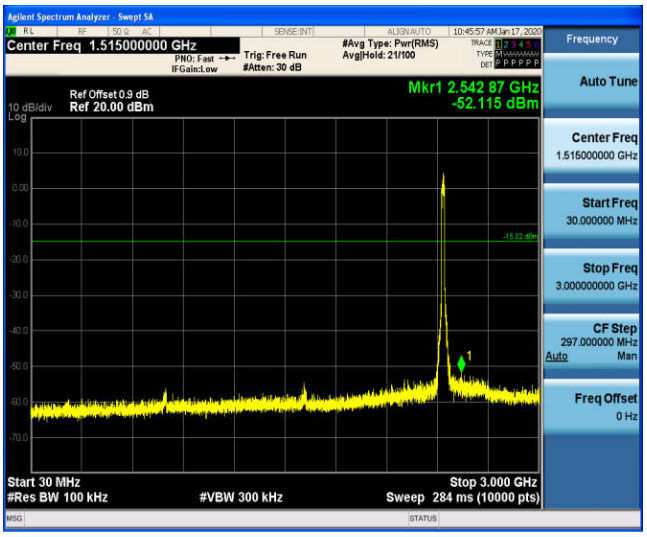
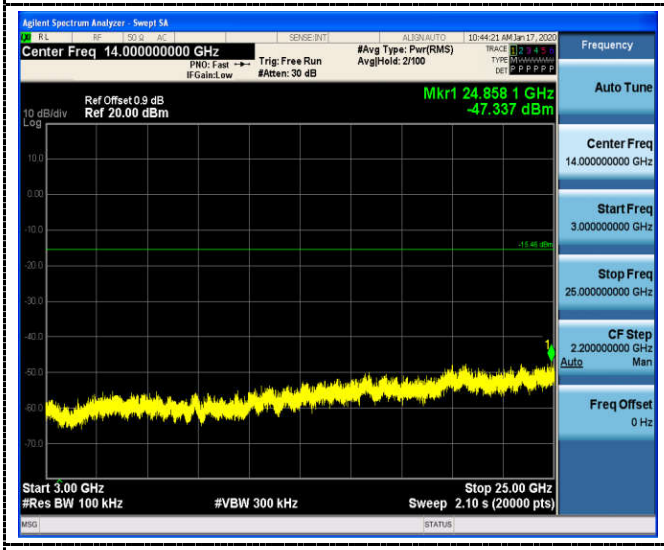
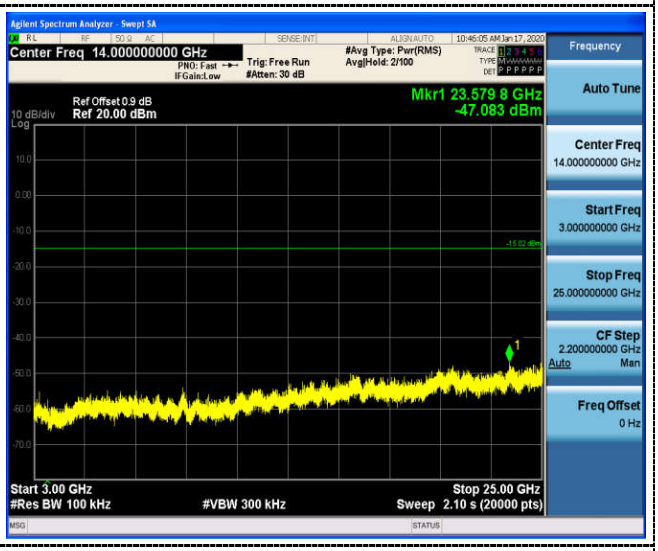
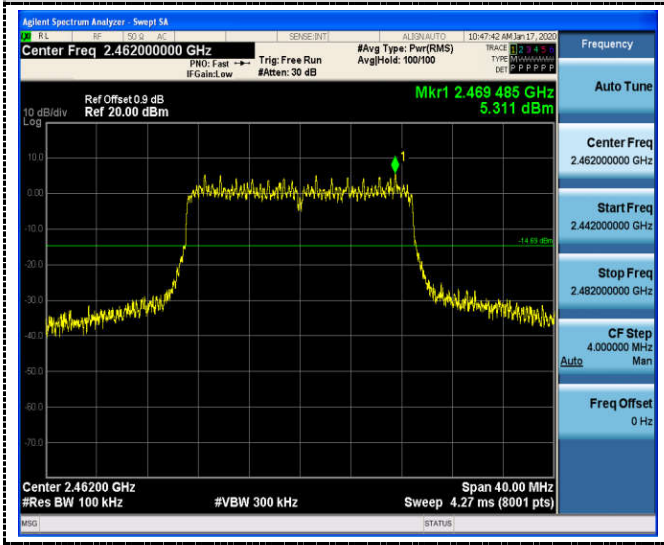
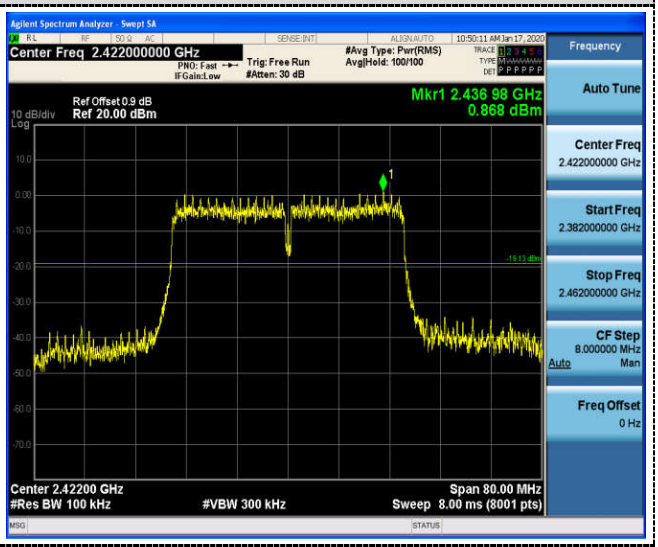
	
30MHz-3GHz	30MHz-3GHz
	
3GHz-25GHz	3GHz-25GHz

802.11n(HT20) CH11	802.11n(HT40) CH03
	
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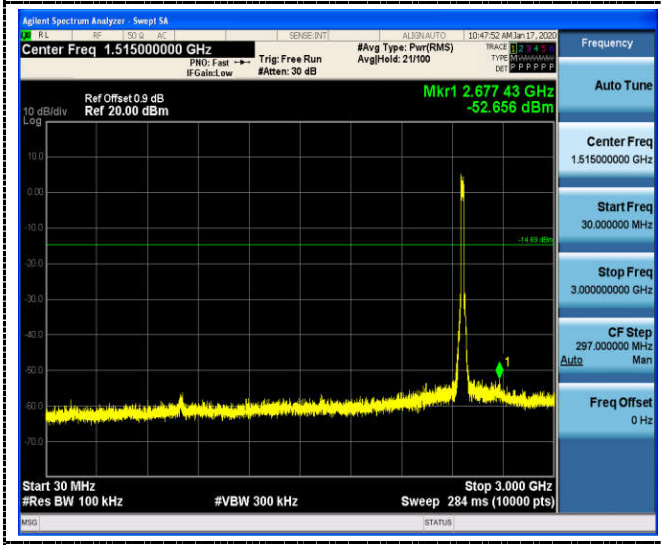
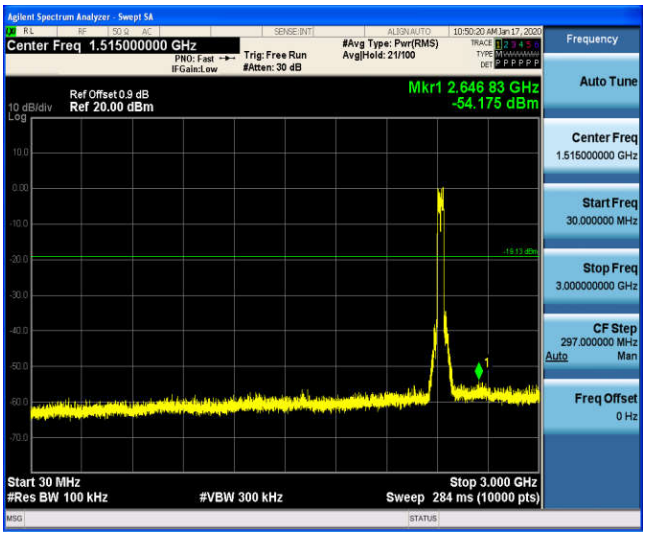
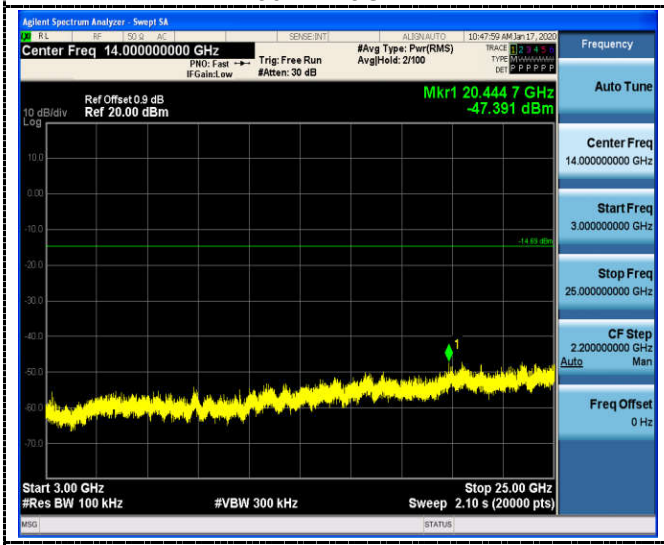
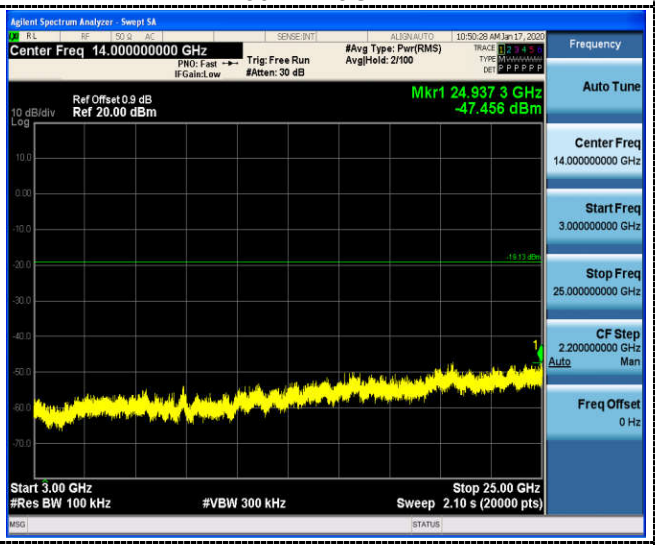
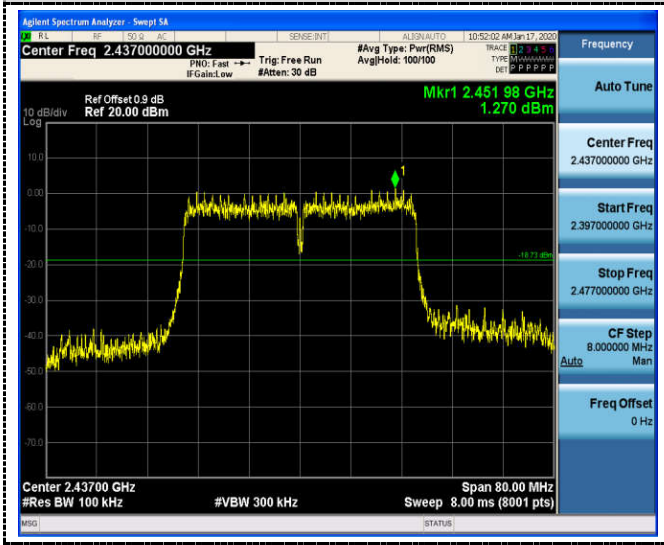
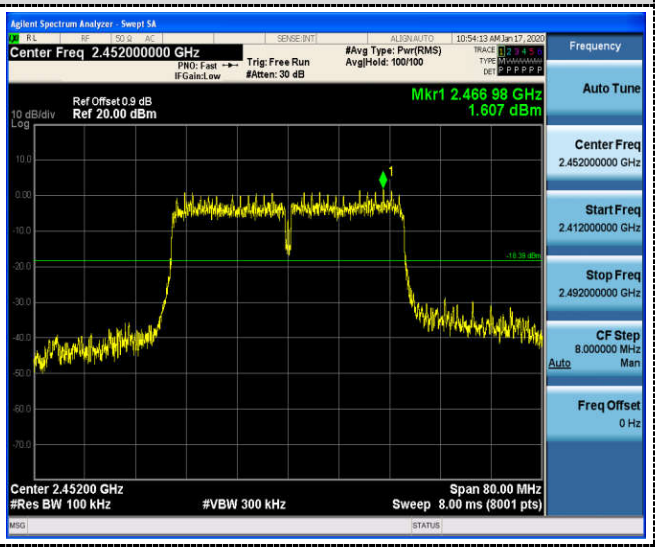
	
30MHz-3GHz	30MHz-3GHz
	
3GHz-25GHz	3GHz-25GHz

802.11n(HT40) CH06	802.11n(HT40) CH09
	
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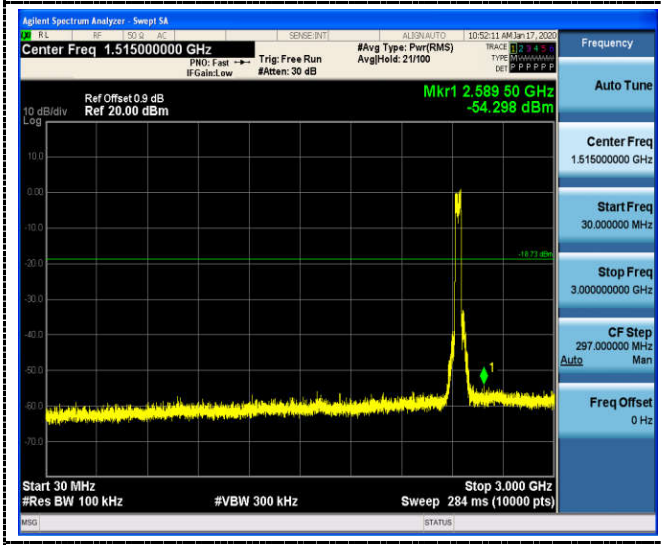
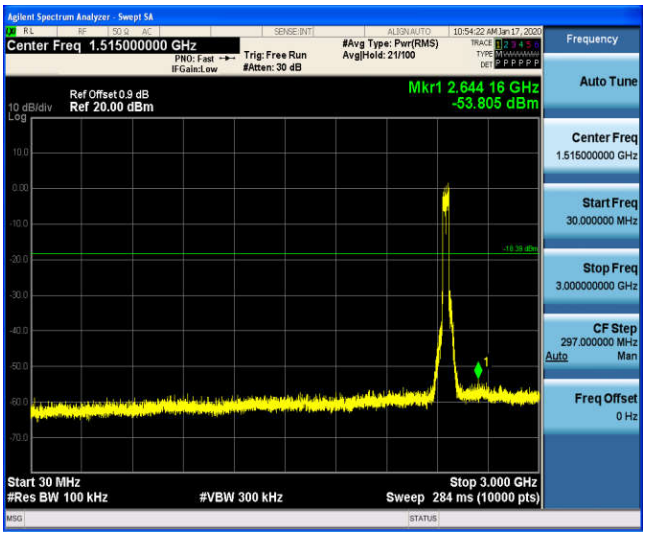
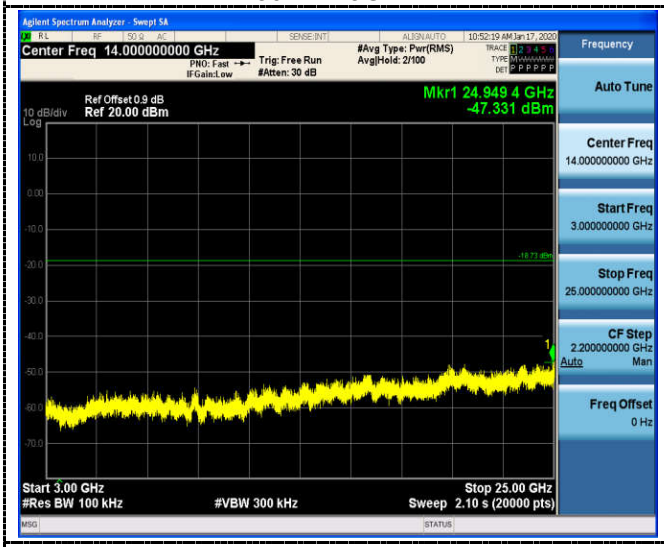
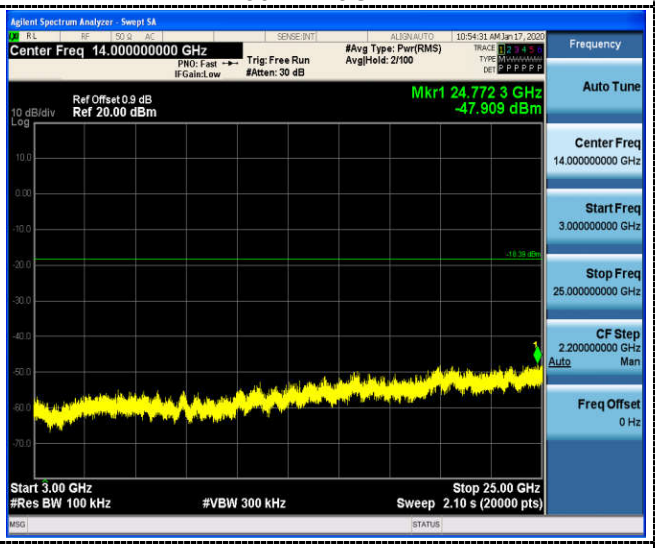
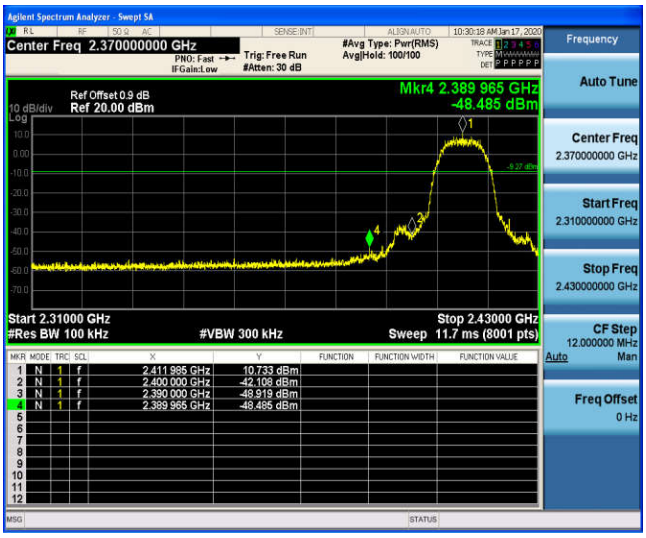
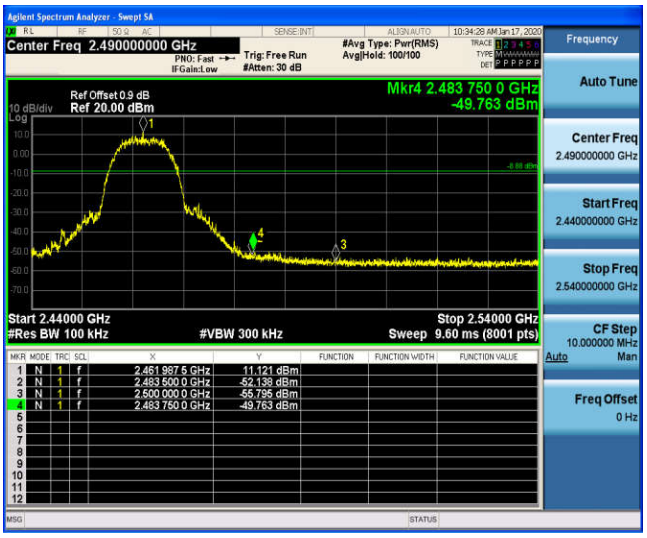
	
30MHz-3GHz	30MHz-3GHz
	
3GHz-25GHz	3GHz-25GHz

Band-edge Measurements for RF Conducted Emissions:

802.11b

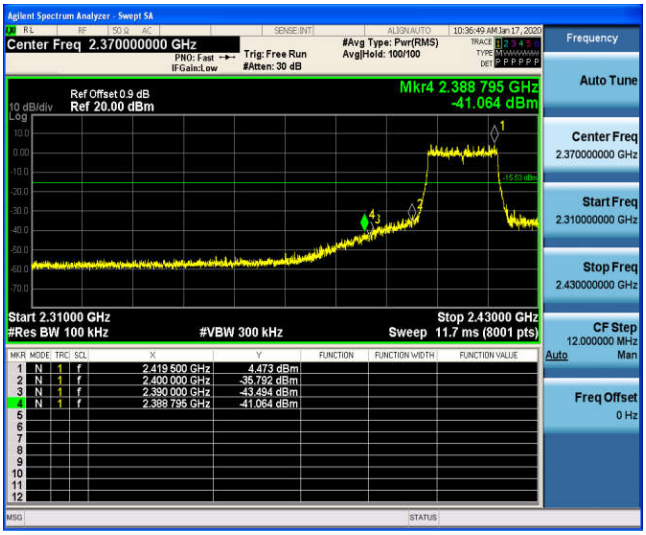


Left bandedge



Right bandedge

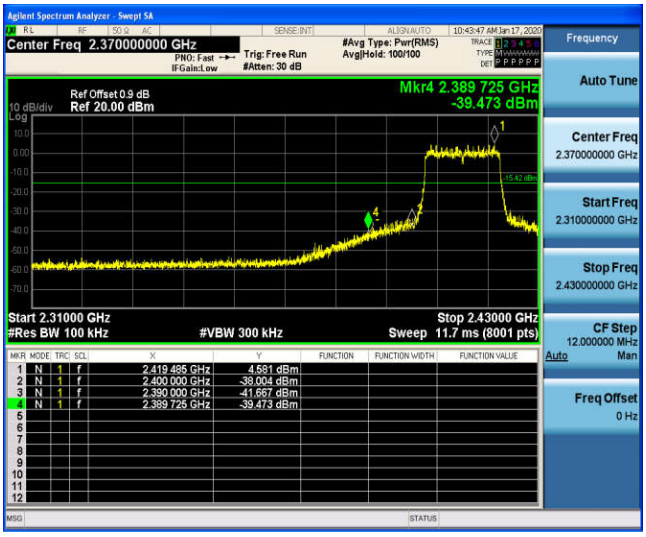
802.11g



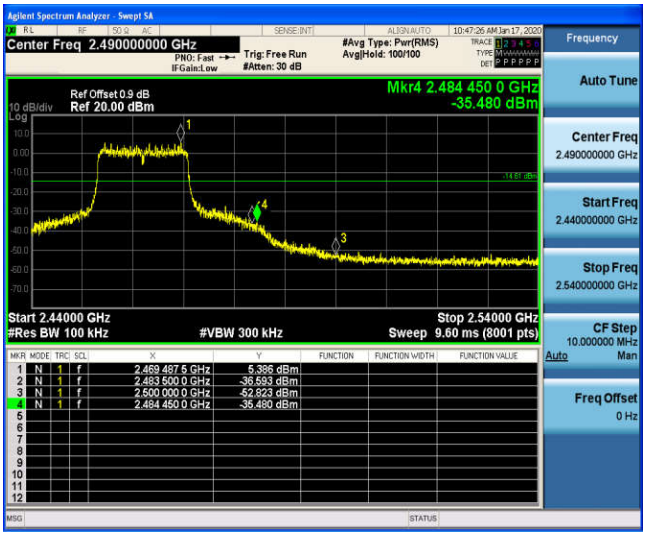
Left bandedge

Right bandedge

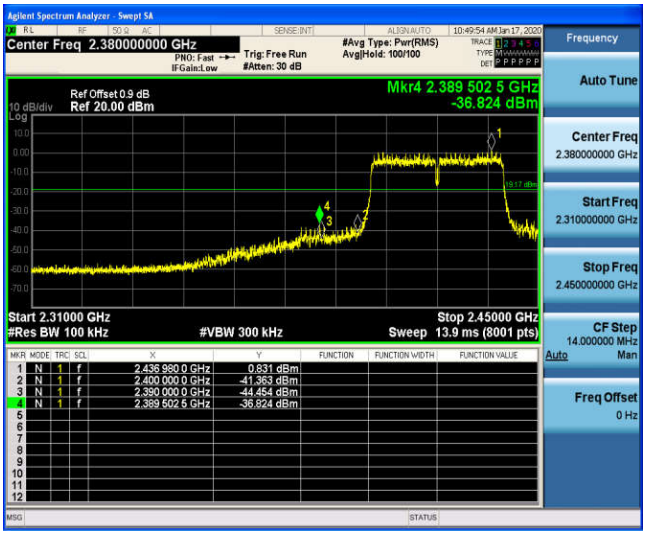
802.11n(HT20)



Left bandedge



Right bandedge

802.11n(HT40)	
	
Left bandedge	Right bandedge

4.7 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

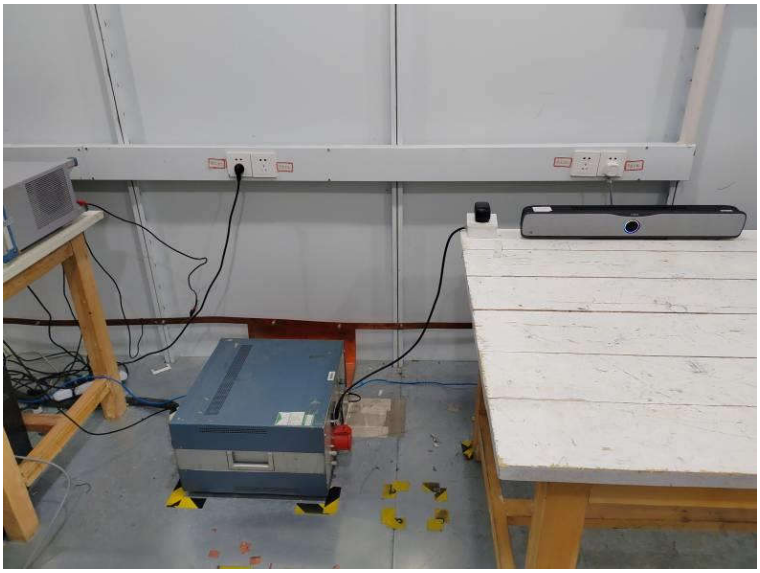
FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1) (I):

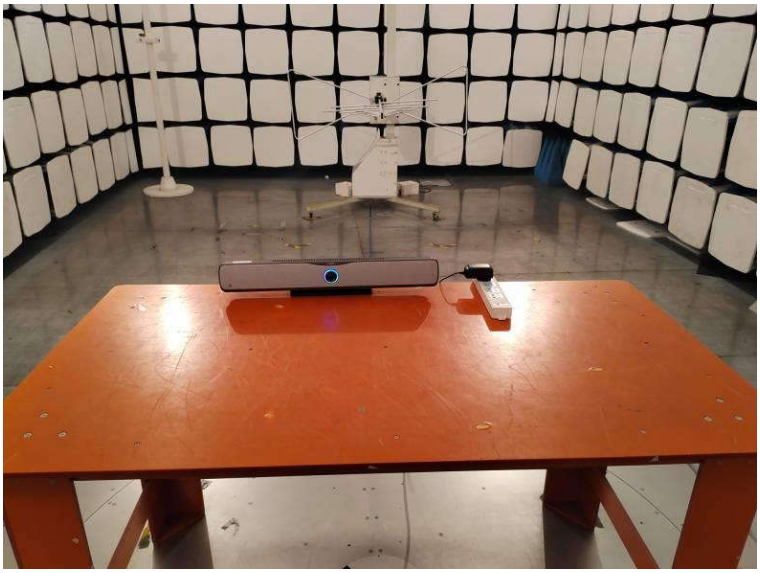
(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional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

Test Result:

The maximum gain of antenna was 2.5dBi for 2.4GHz WIFI.

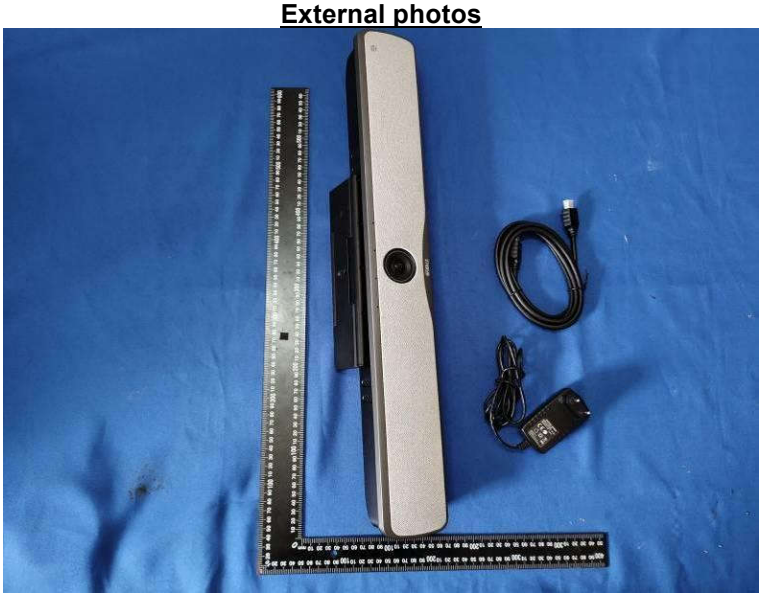
5 Test Setup Photos of the EUT

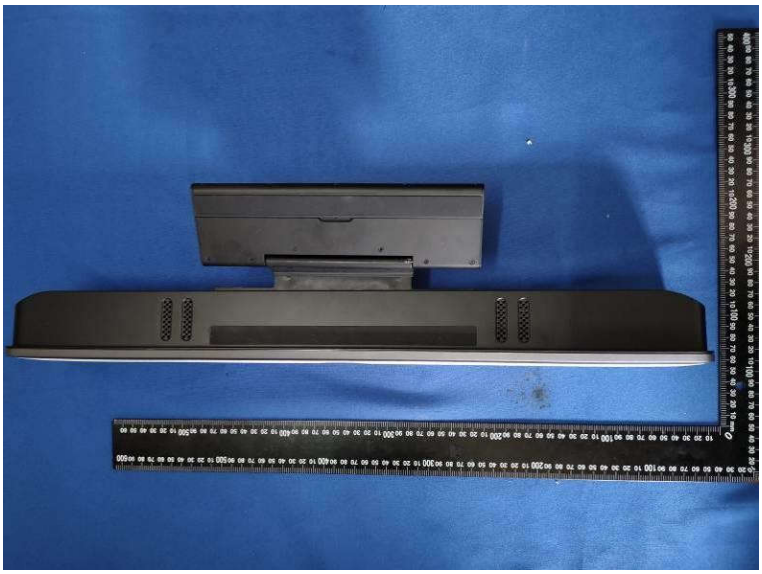


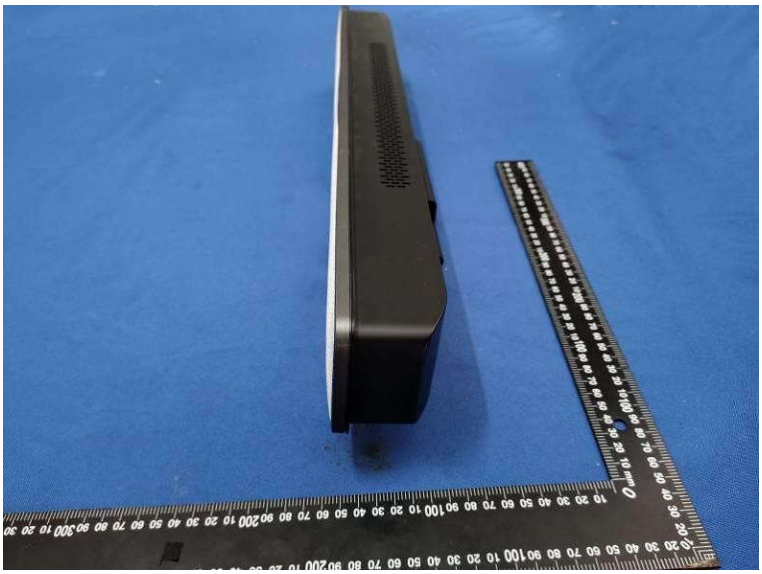


6 Photos of the EUT

External photos

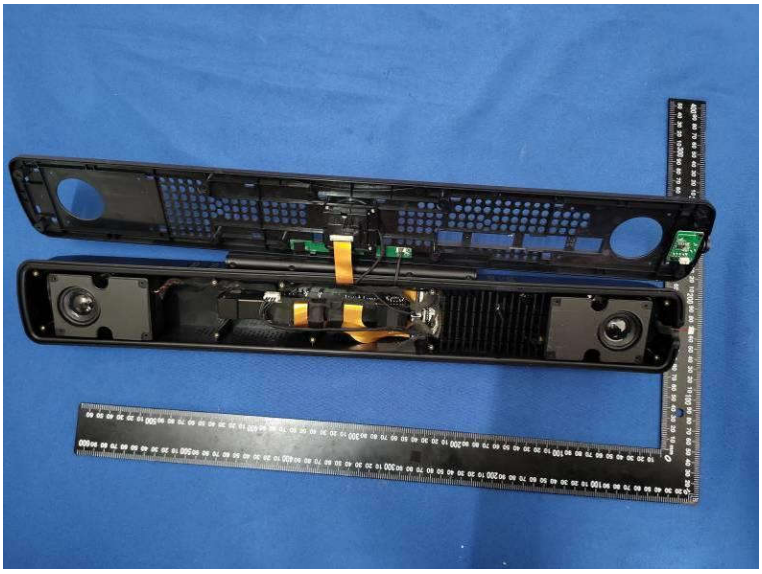


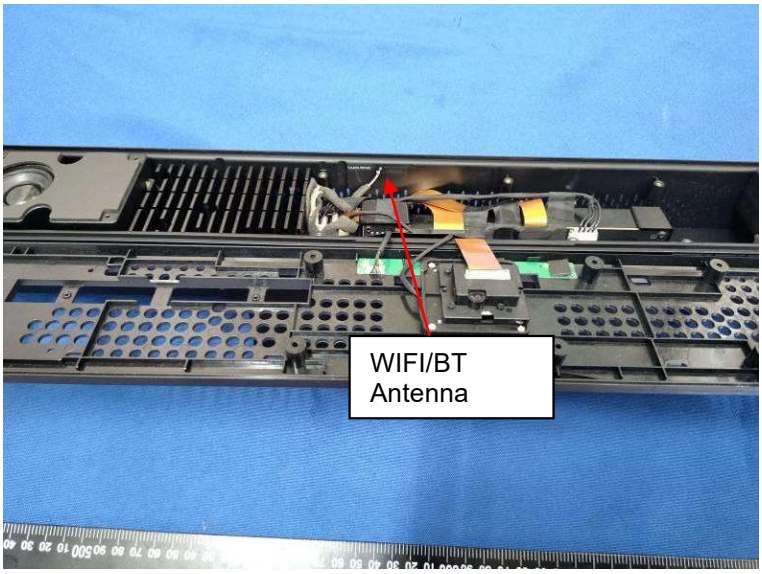


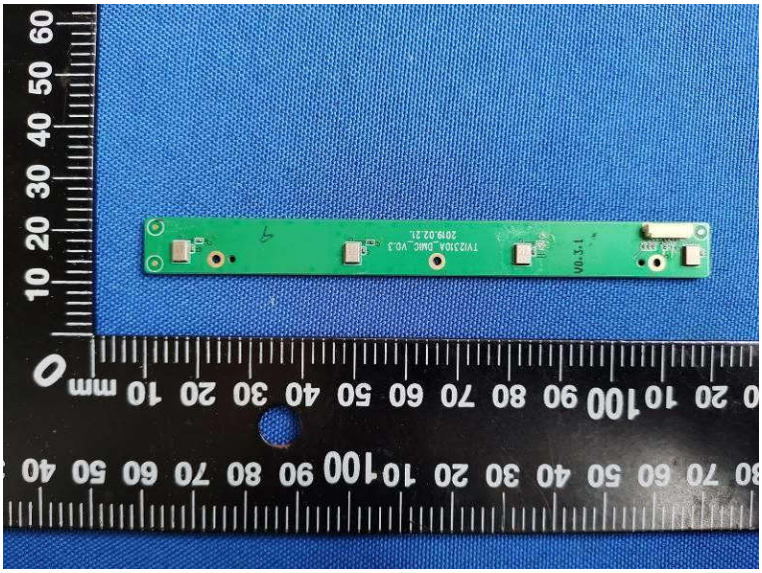


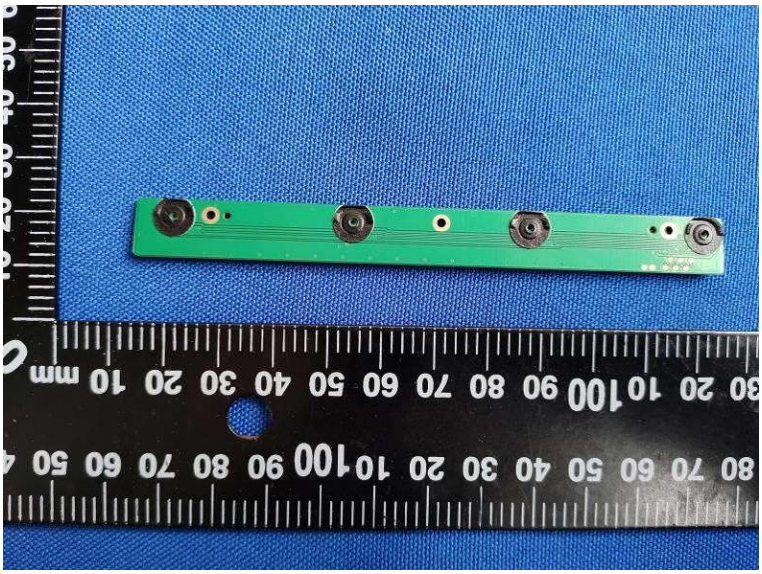
SWITCHING ADAPTER
MODEL:SOY-1200200US
INPUT:100-240V~ 50/60Hz
0.5A Max.
OUTPUT:12V ⎓ 2.0A
LPS
LISTED
Shenzhen SOY Technology Co., Ltd.

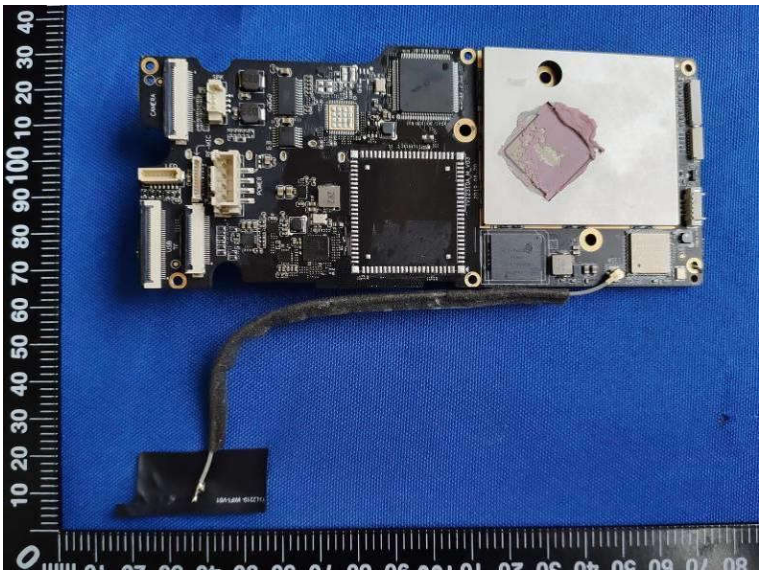
Internal Photos

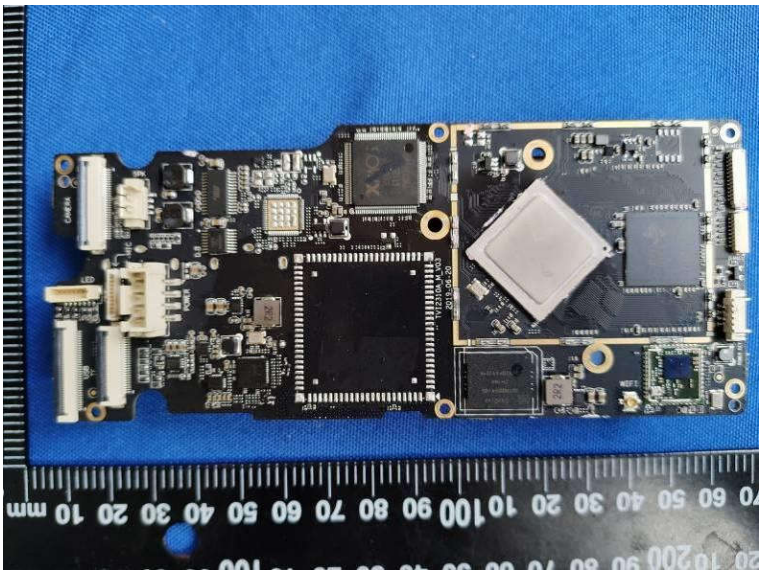


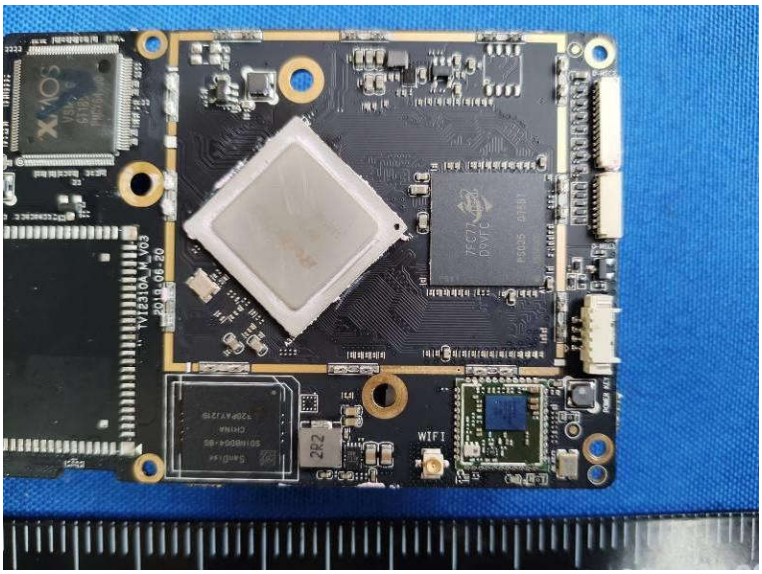


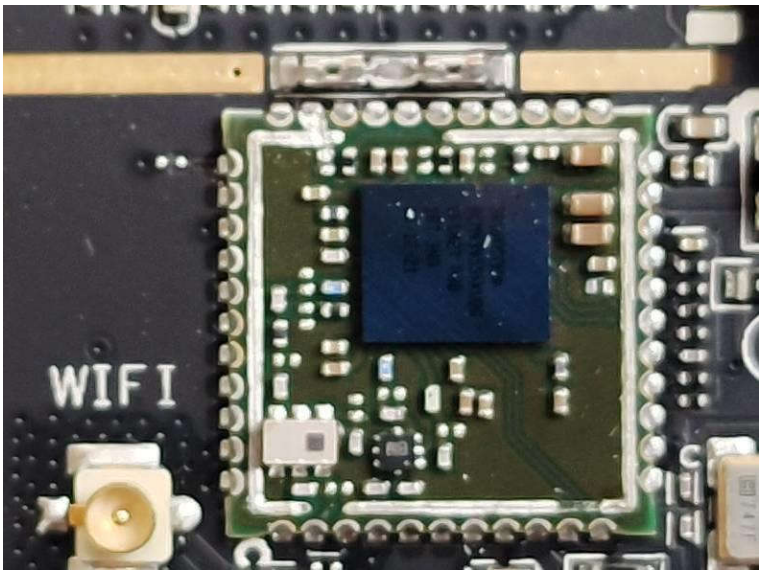









WIFI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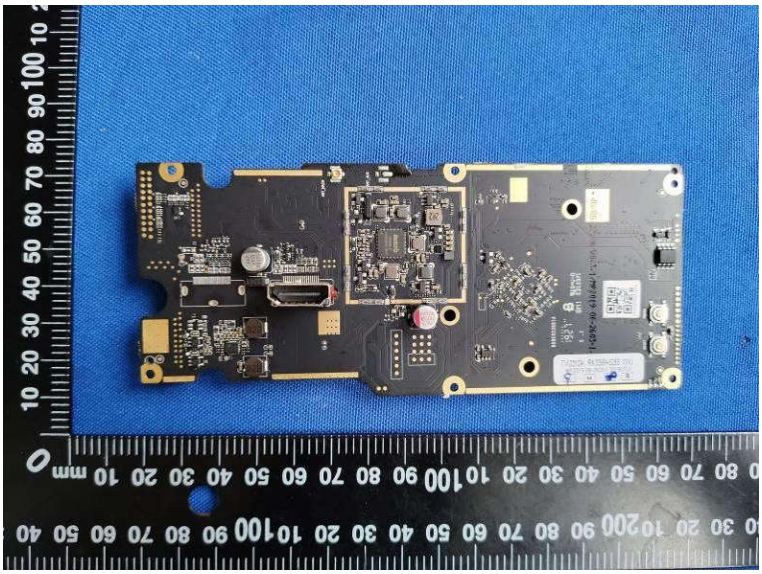

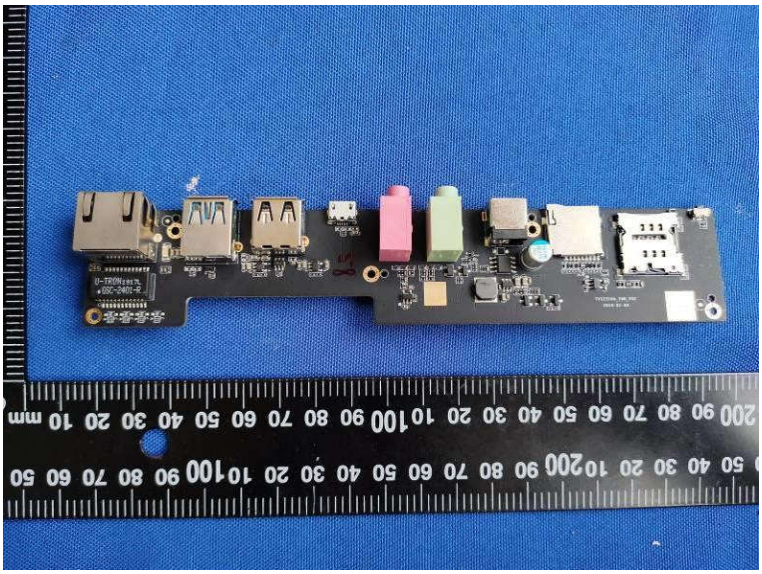

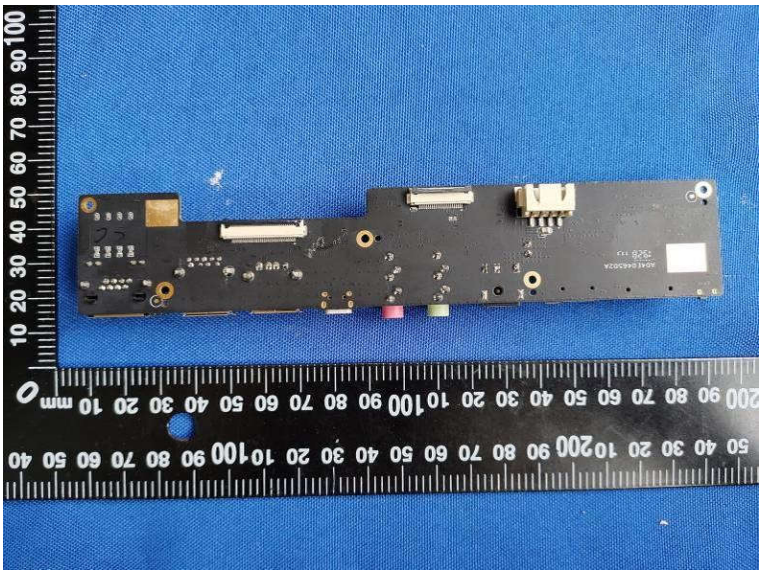

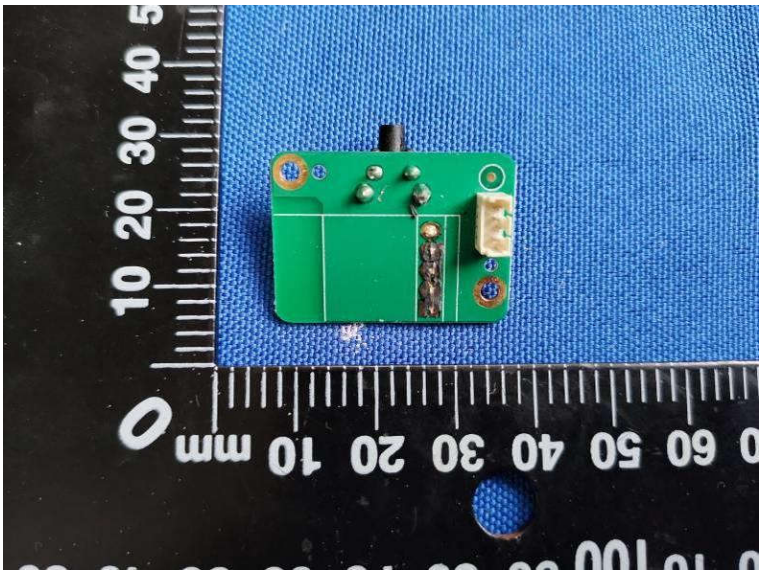

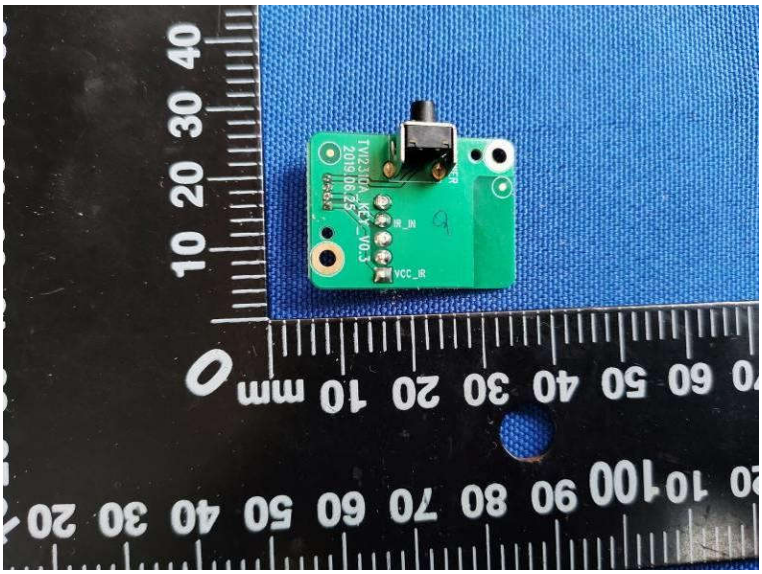

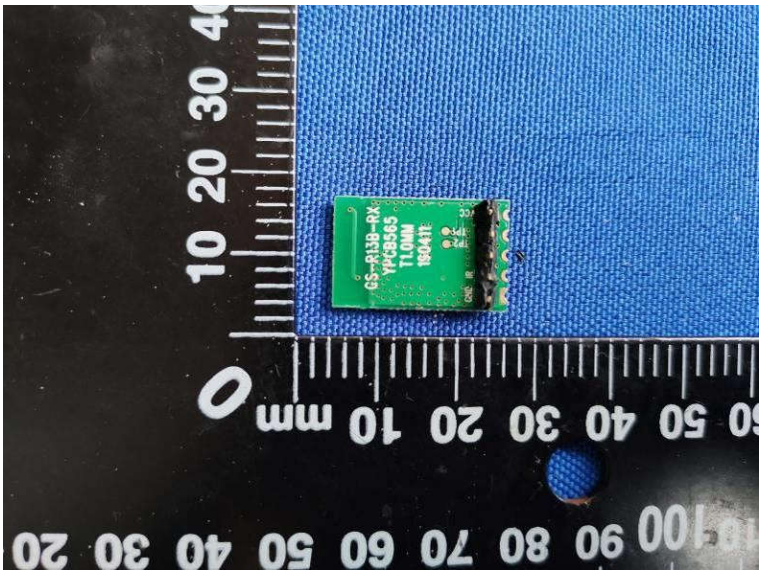

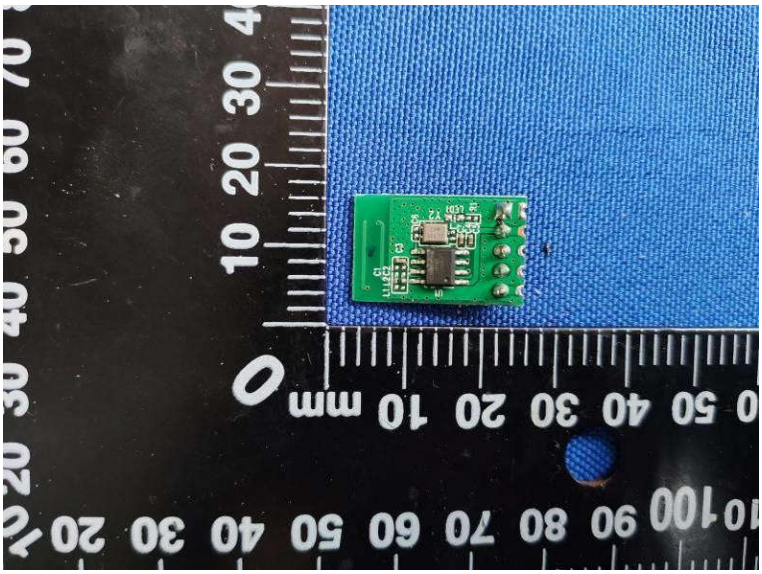

********** End of Report **********