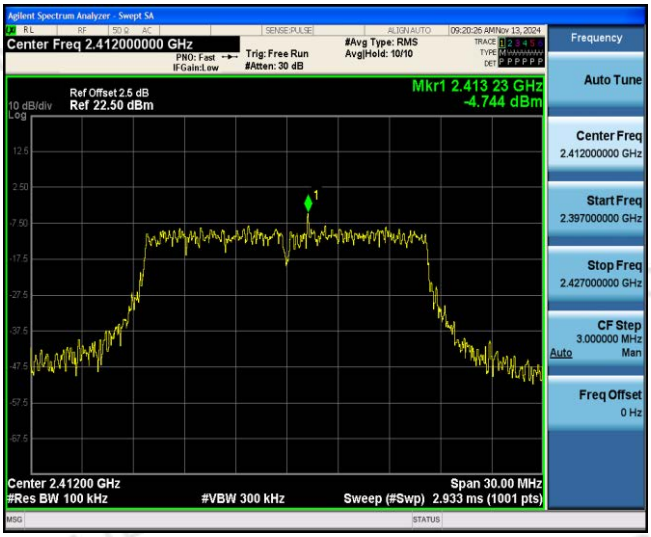
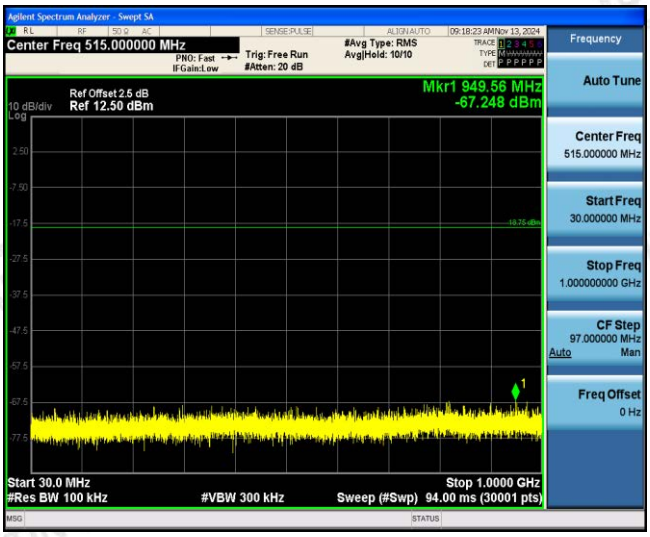
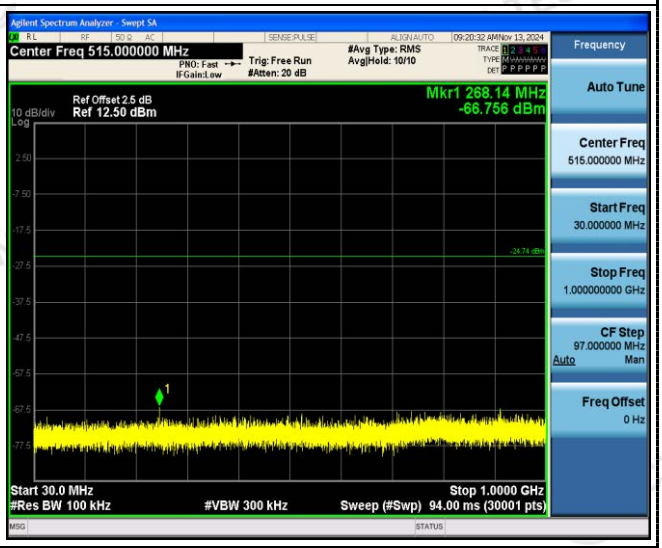
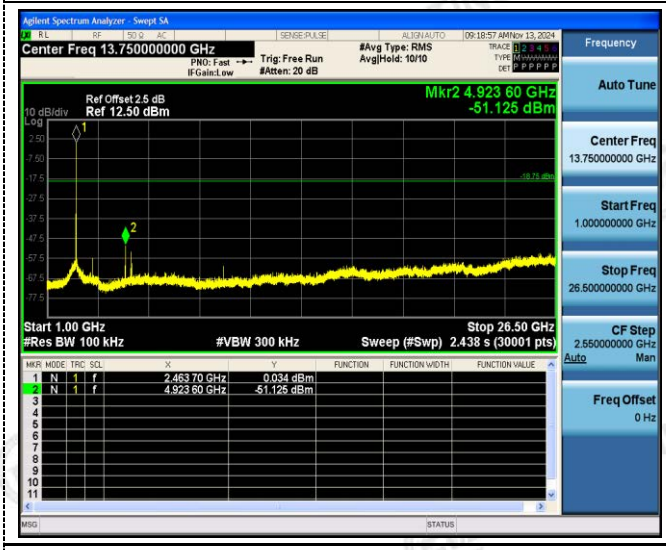
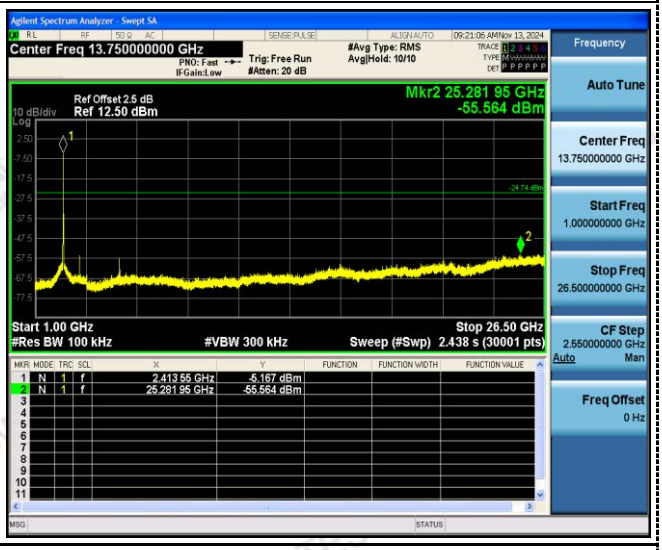
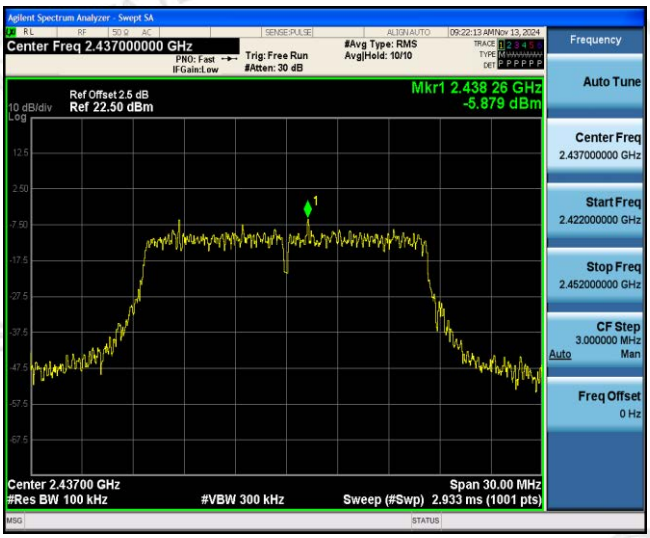
802.11b	802.11g
	
Reference	Reference
CH011	***CH01***
	
30MHz-3GHz	30MHz-3GHz
	
3GHz -25GHz	3GHz -25GHz

802.11g



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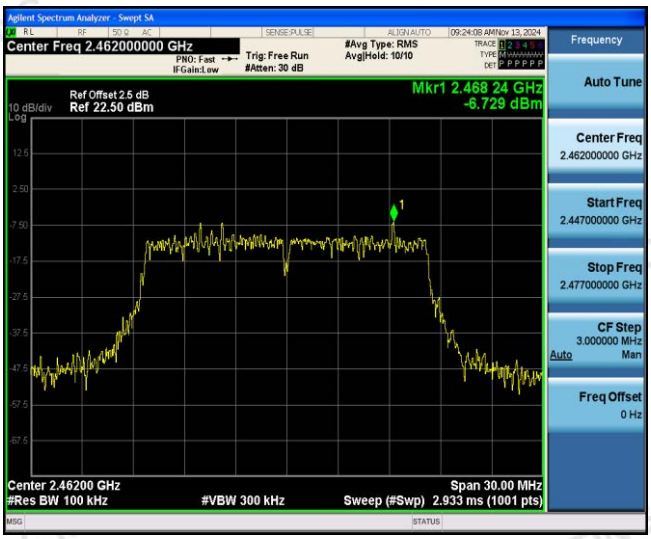

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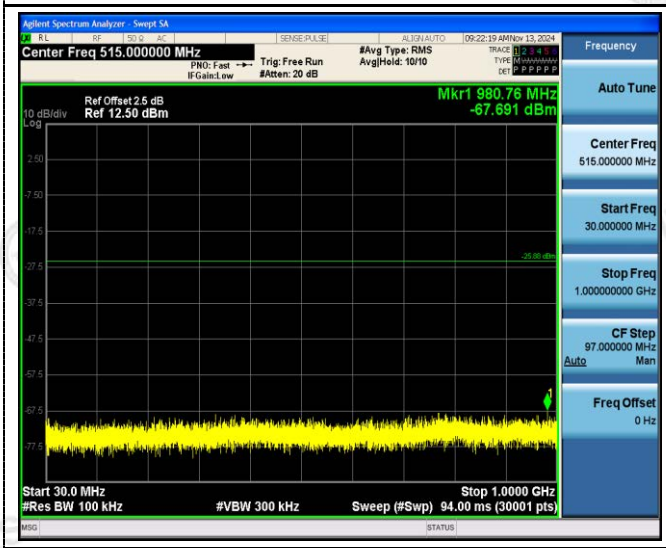
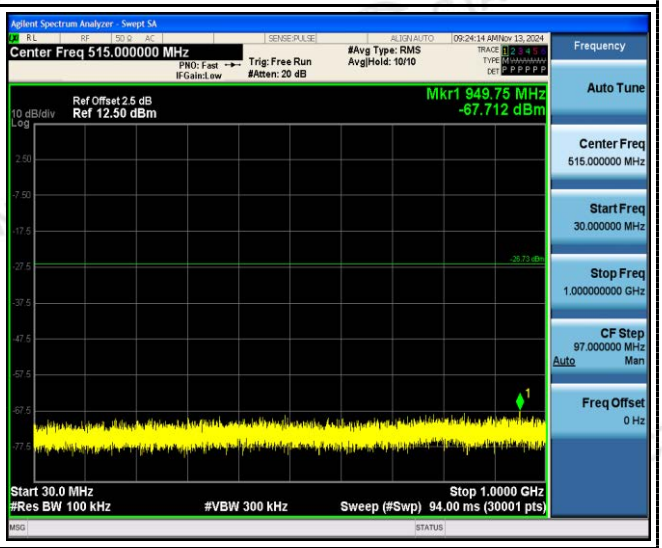
CH06

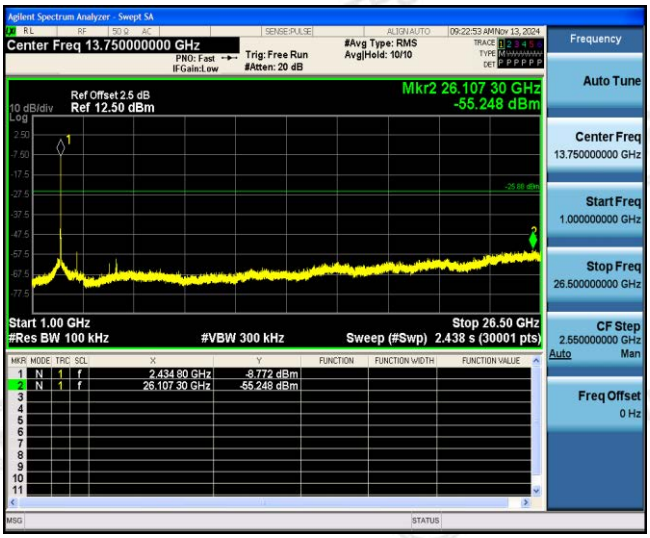


30MHz-3GHz

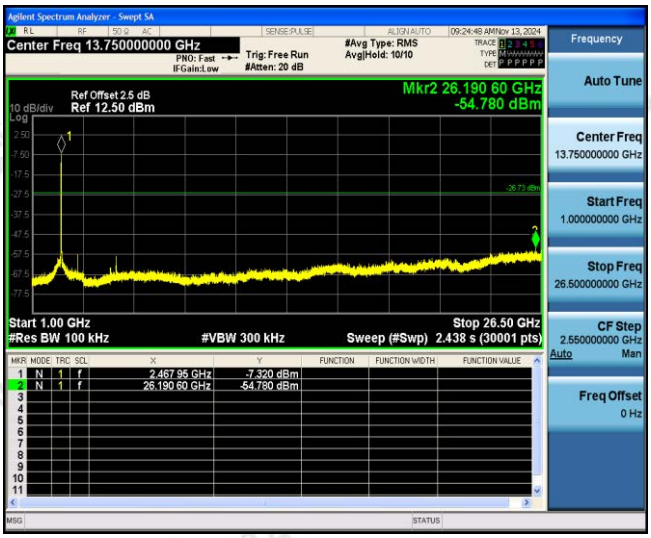
CH11



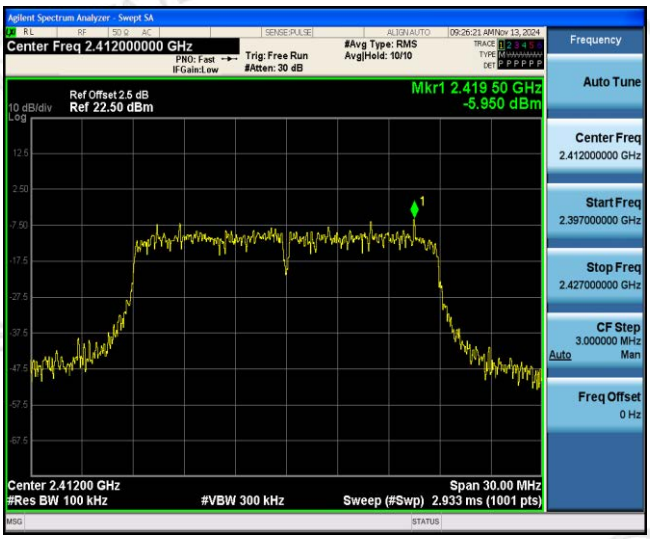
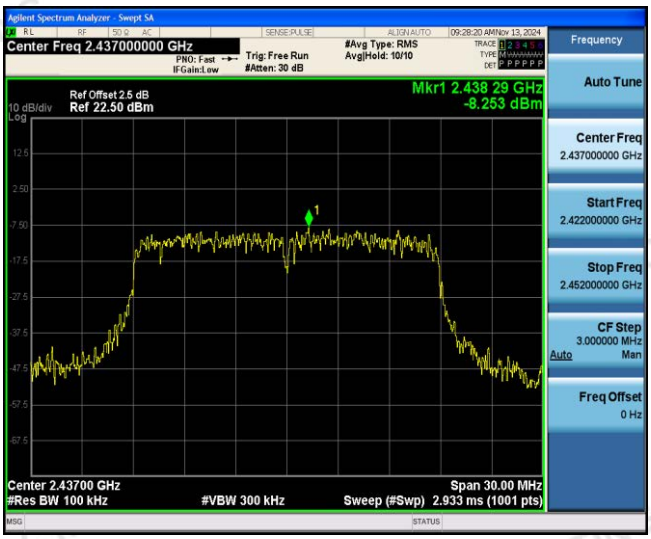
30MHz-3GHz



3GHz -25GHz



3GHz -25GHz

802.11n20	
	
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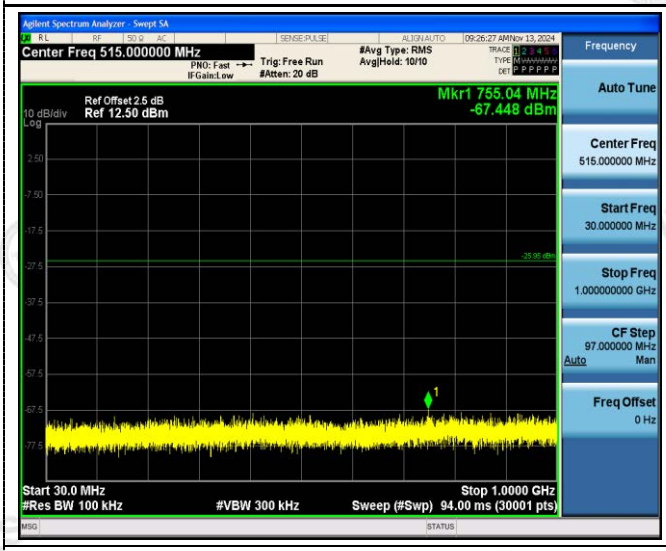
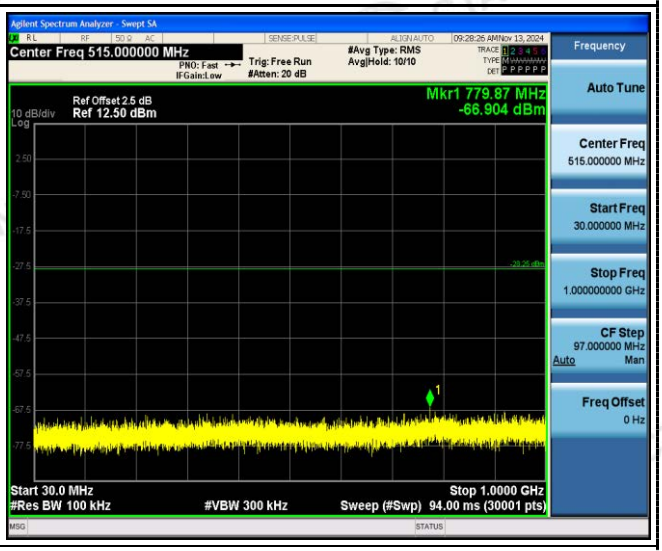
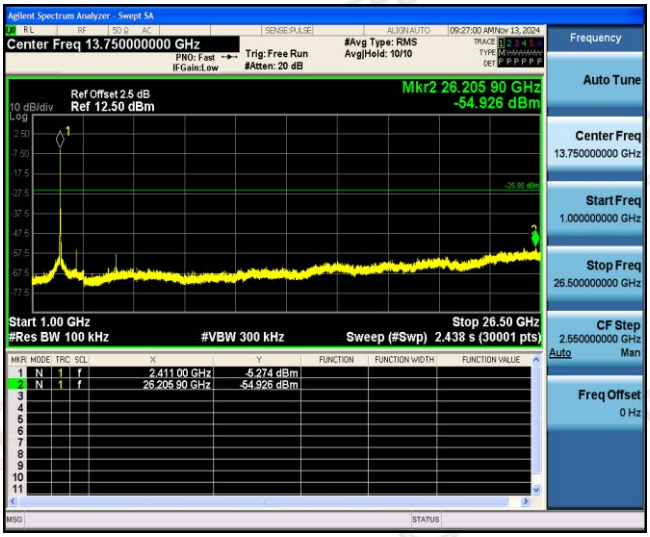
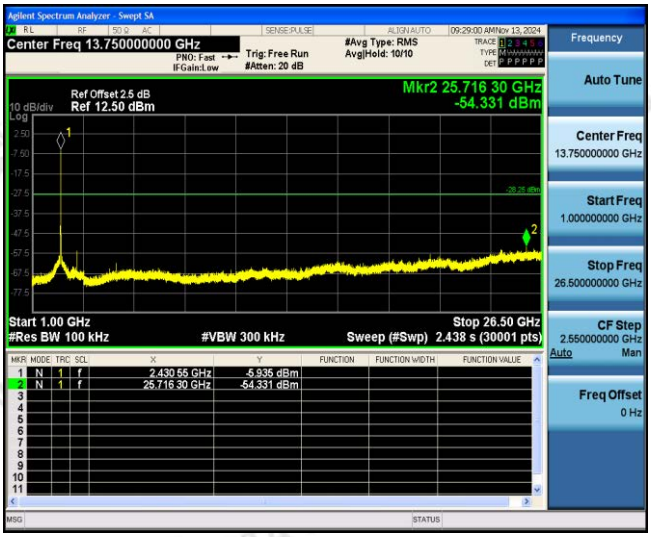
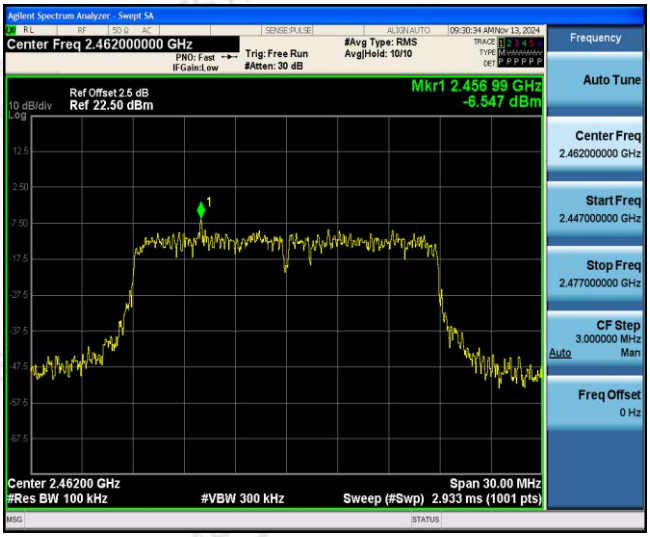
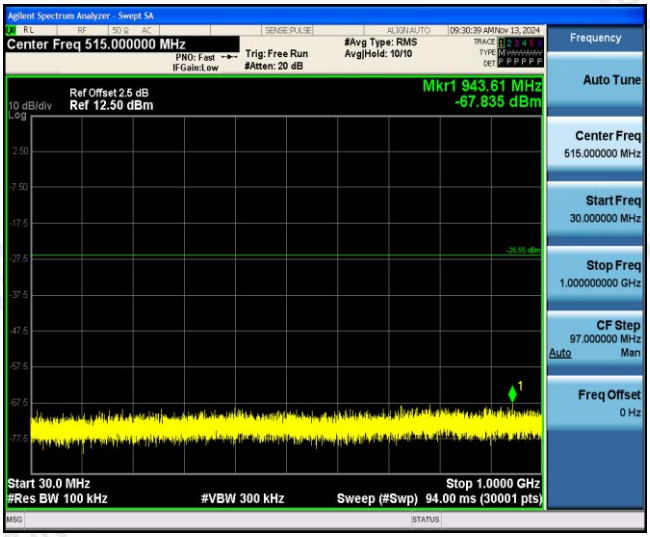
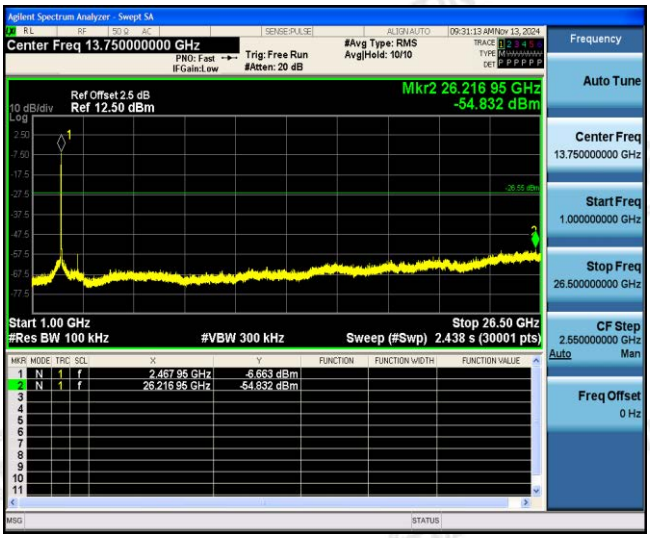
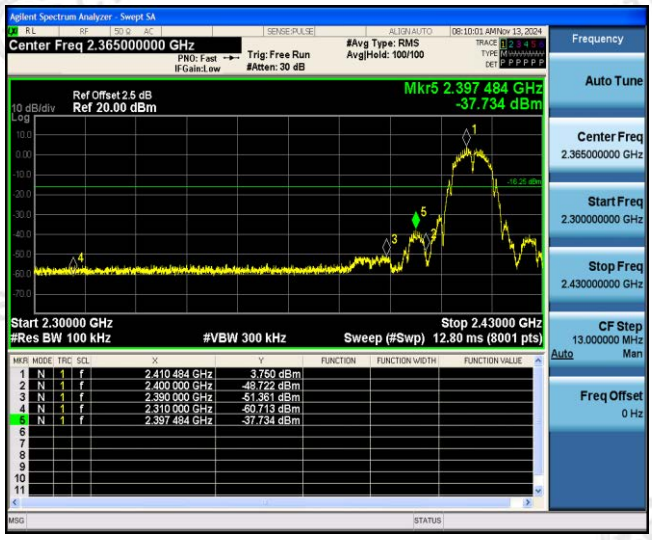
CH01	***CH06***
	
30MHz-3GHz	30MHz-3GHz
	
3GHz -25GHz	3GHz -25GHz

802.11n20	
	/
Reference	
CH11	
	/
30MHz-3GHz	
	/
3GHz -25GHz	

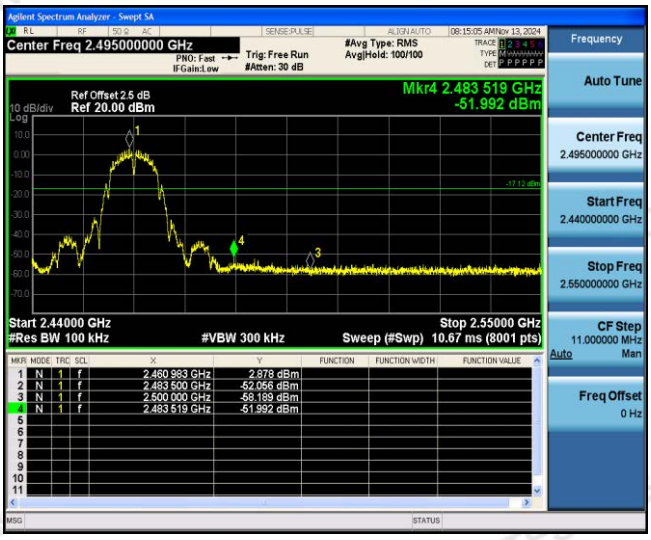
Band-edge Measurements for RF Conducted Emissions:

ANT 1:

802.11b

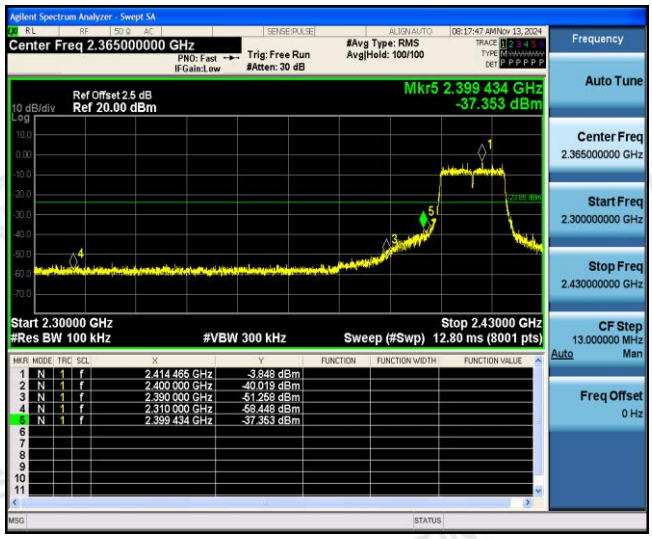


Left bandedge

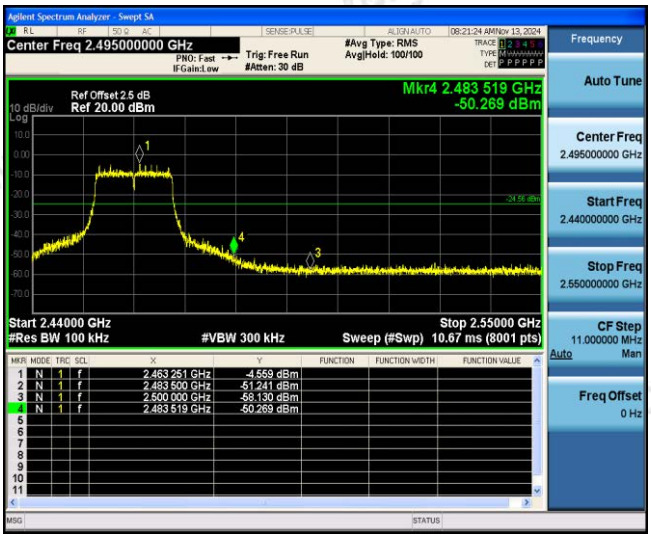


Right bandedge

802.11g

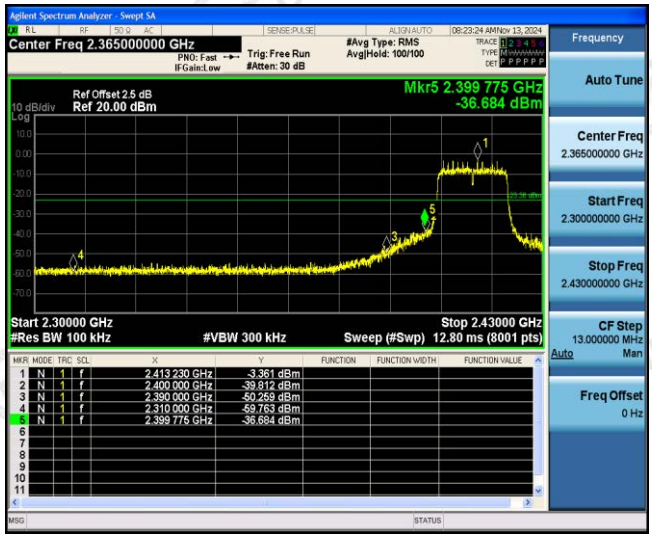


Left bandedge

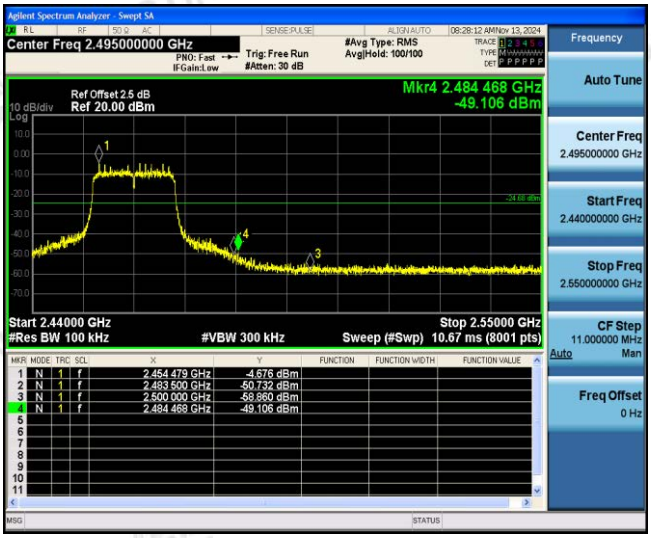


Right bandedge

802.11n(HT20)



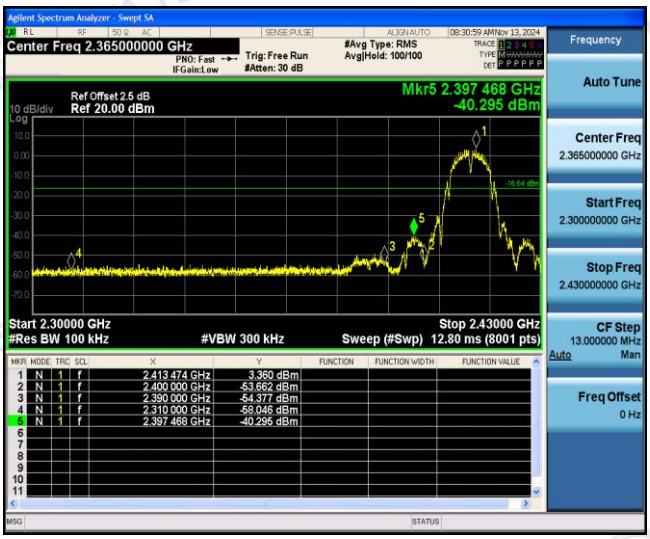
Left bandedge



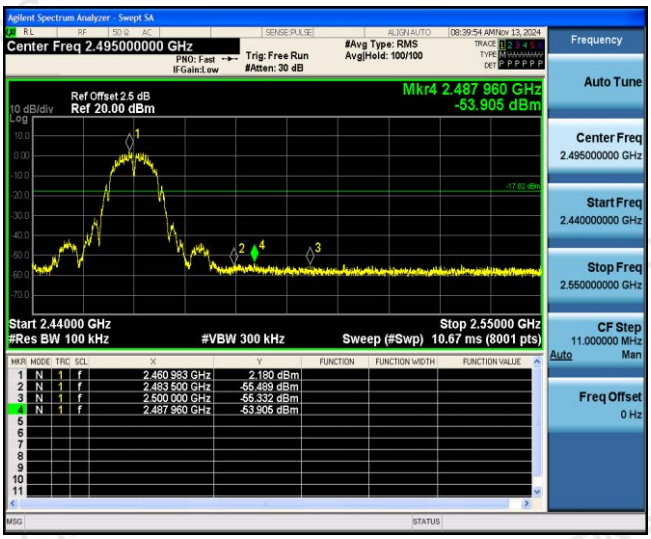
Right bandedge

ANT 2:

802.11b

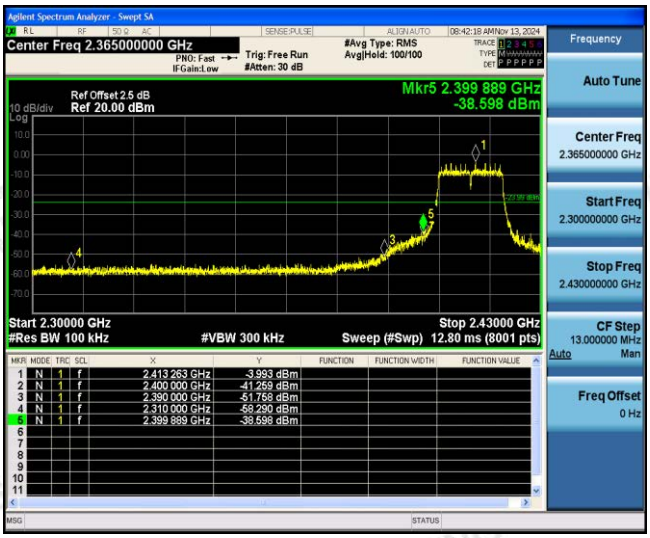


Left bandedge

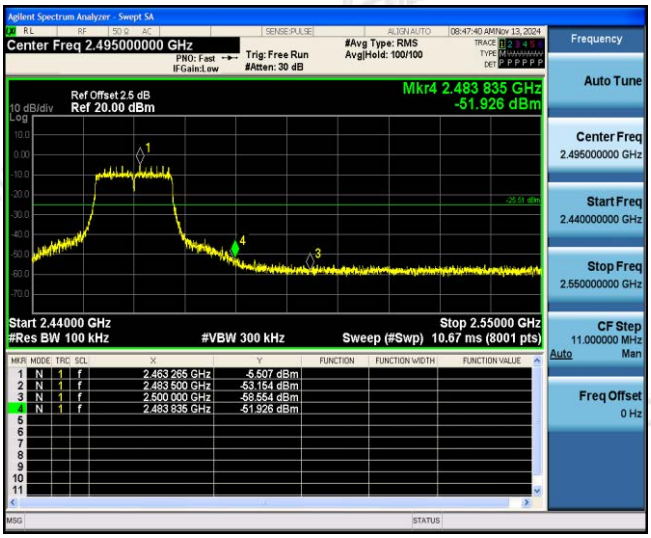


Right bandedge

802.11g

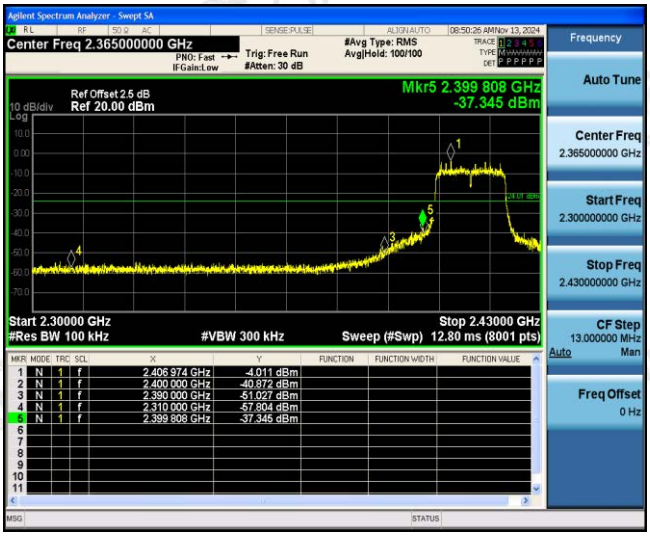


Left bandedge

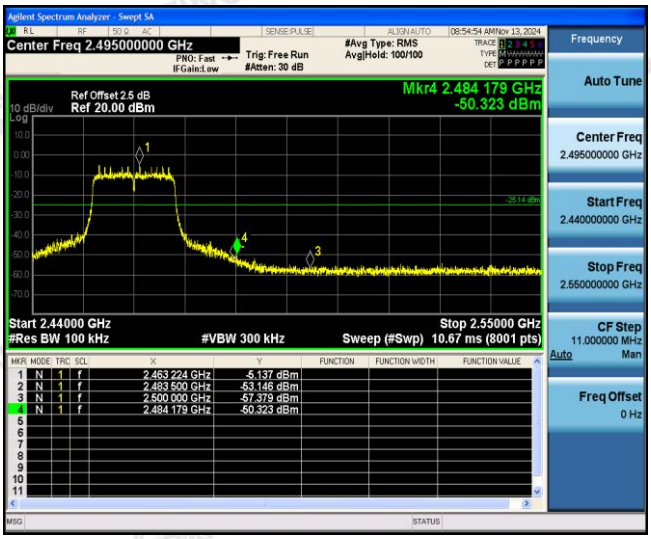


Right bandedge

802.11n(HT20)



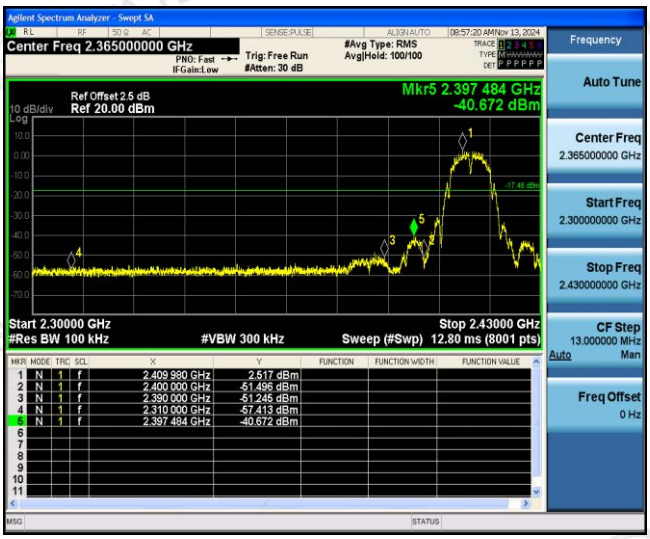
Left bandedge



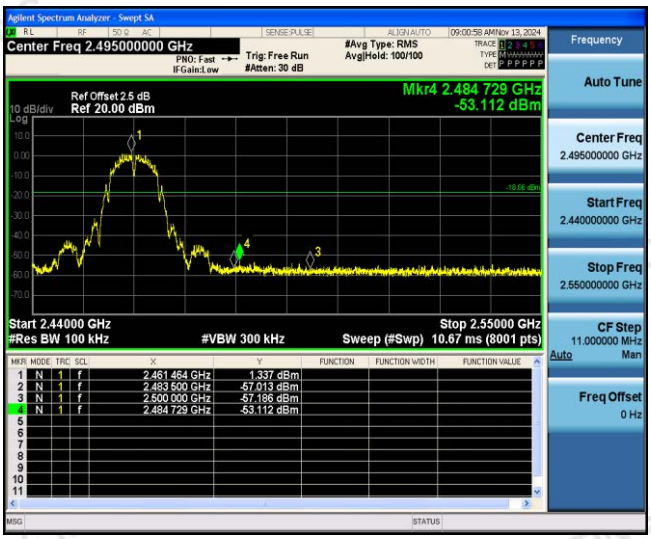
Right bandedge

ANT 3:

802.11b



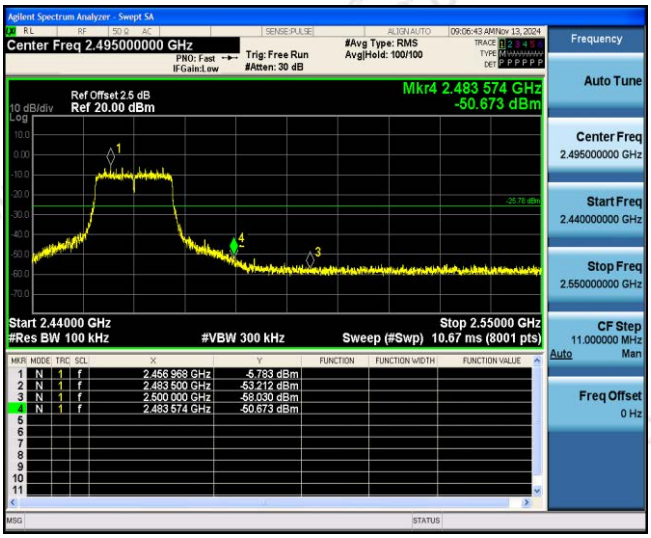
Left bandedge



Right bandedge

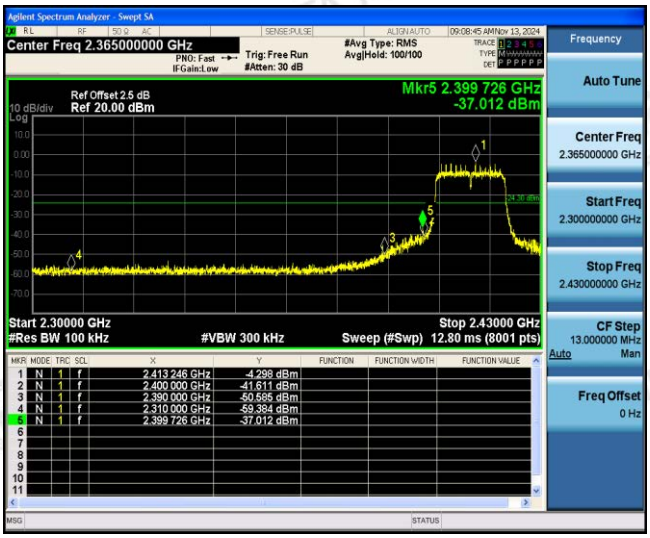
802.11g

Left bandedge

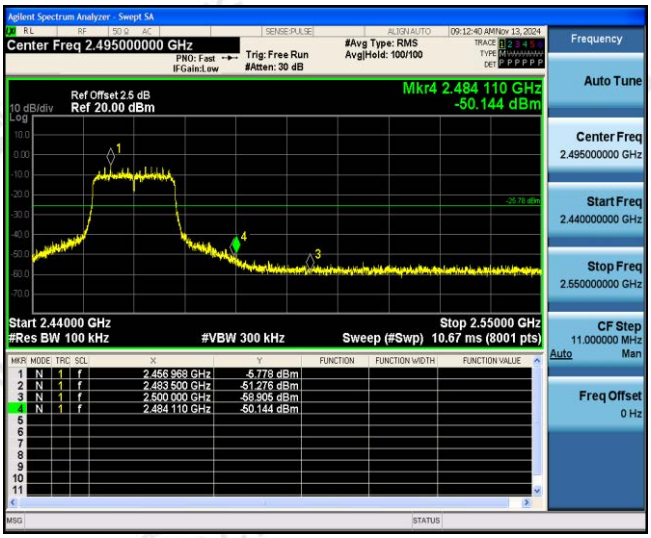


Right bandedge

802.11n(HT20)



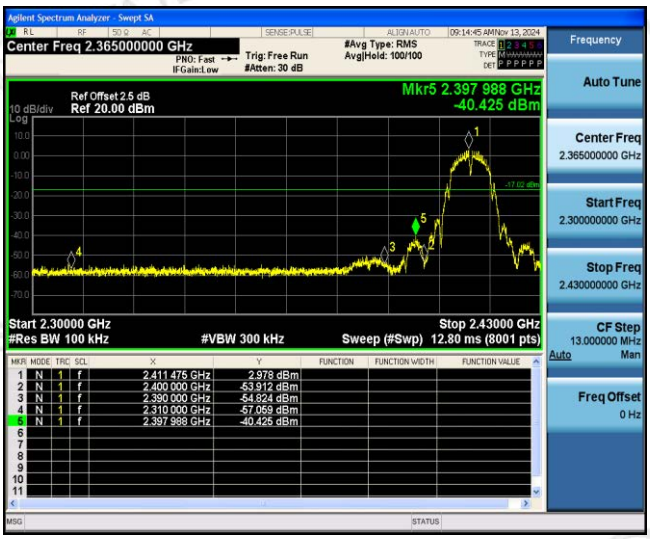
Left bandedge



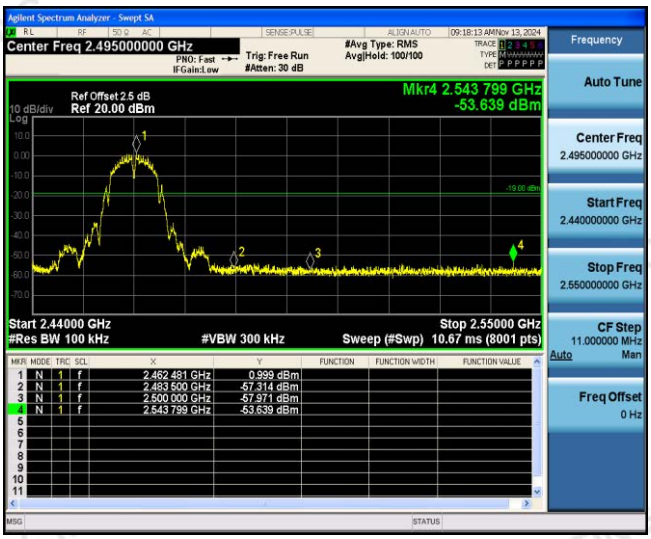
Right bandedge

ANT 4:

802.11b

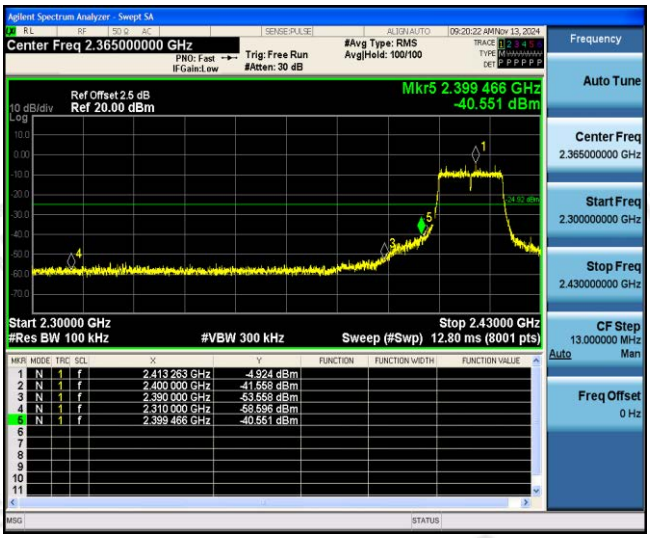


Left bandedge

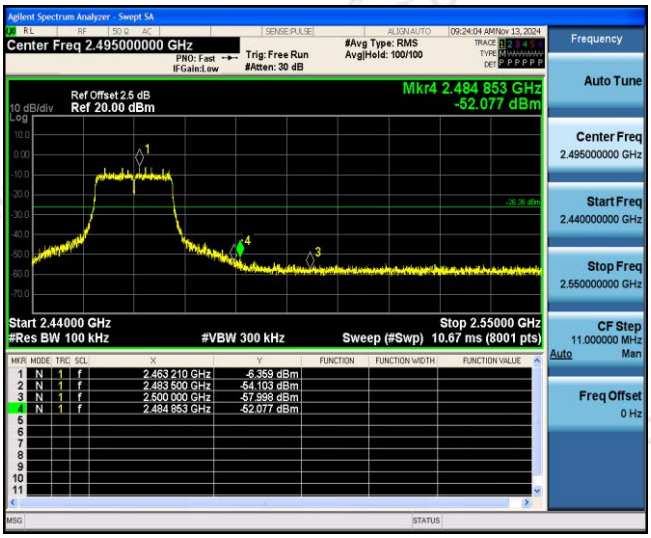


Right bandedge

802.11g

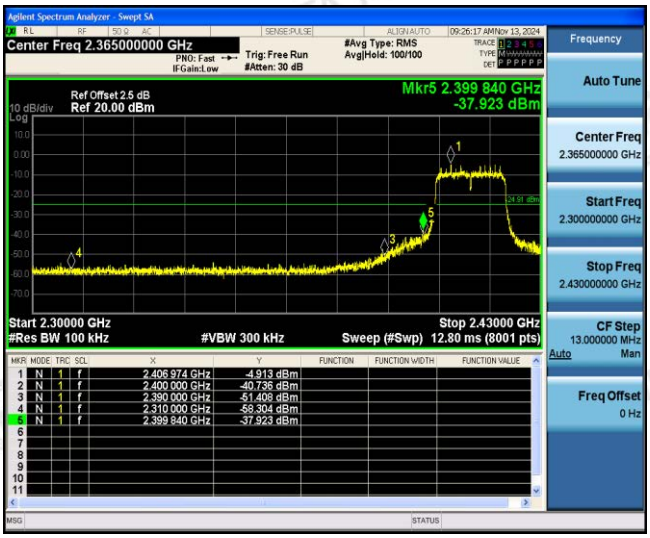


Left bandedge

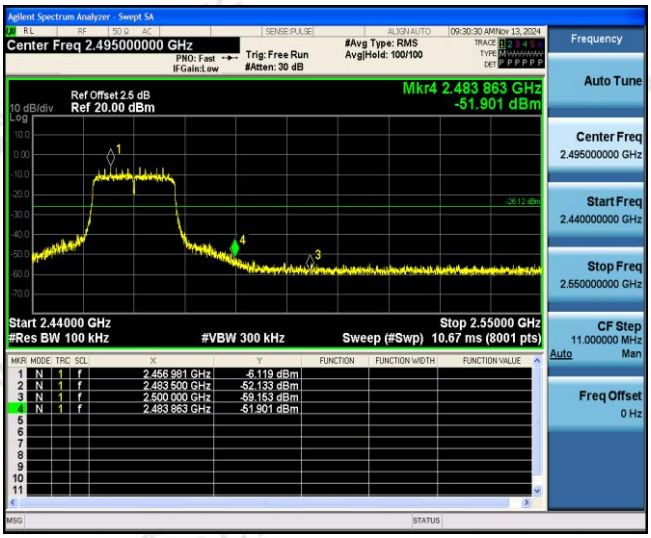


Right bandedge

802.11n(HT20)



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):

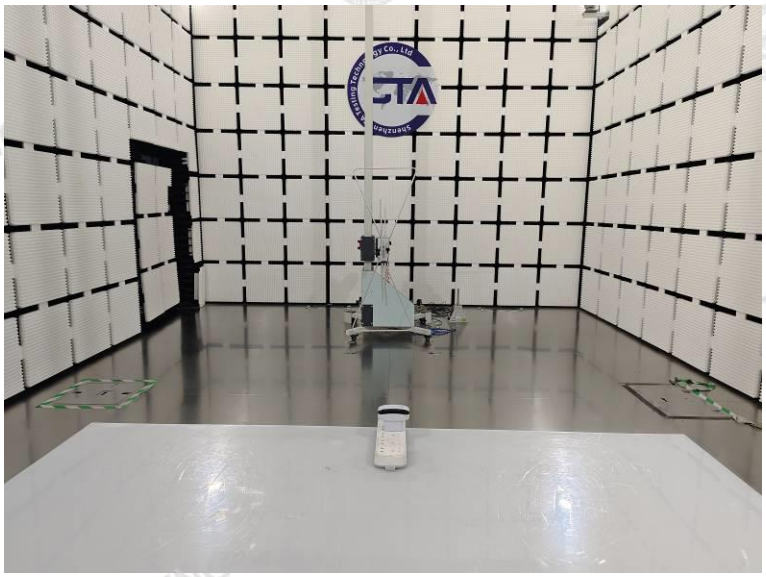
(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional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

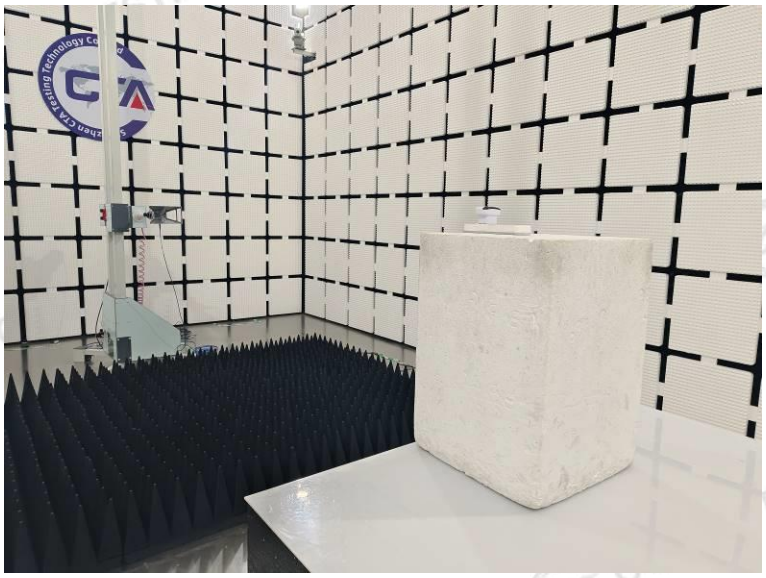
Test Result:

For 2.4GHz WIFI, the maximum gain for the antenna, antenna 2, antenna 3 and antenna 4 is 0.85 dBi.

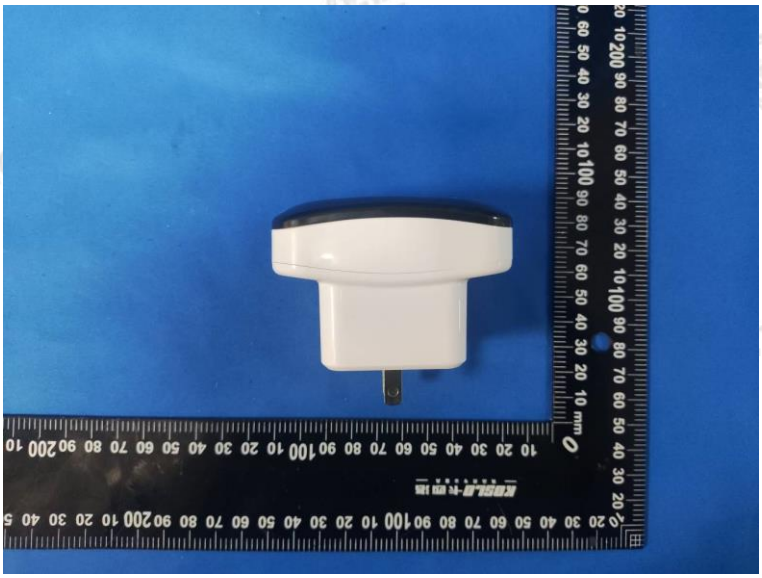
Remark: The antenna gain is provided by the customer if the data provided by the customer is not accurate, Shenzhen CTA Testing Technology Co., Ltd. does not assume any responsibility.

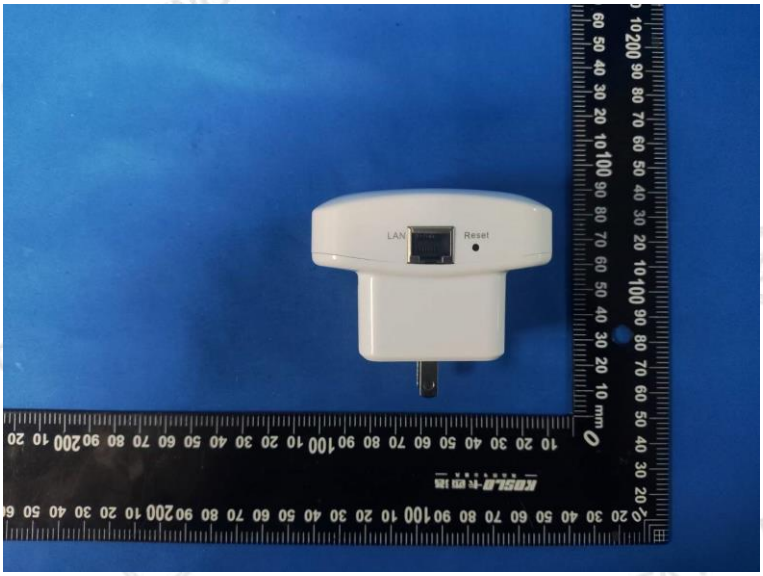
5 Test Setup Photos of the EUT

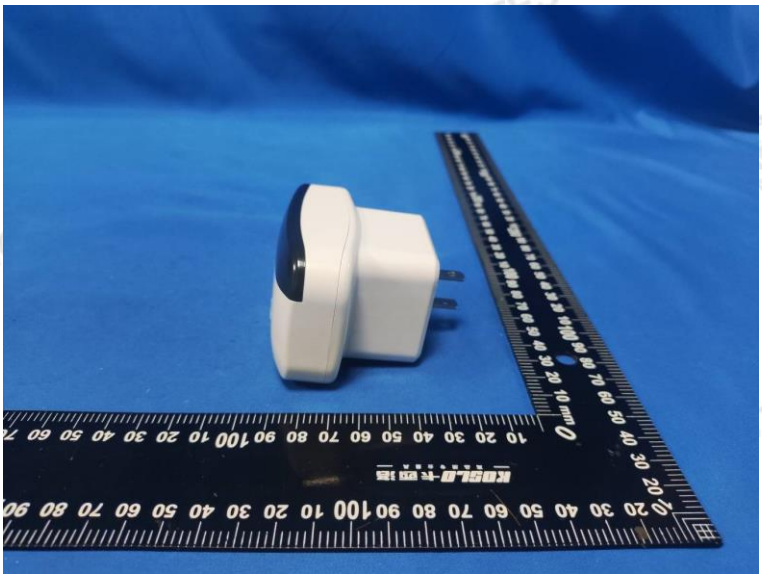


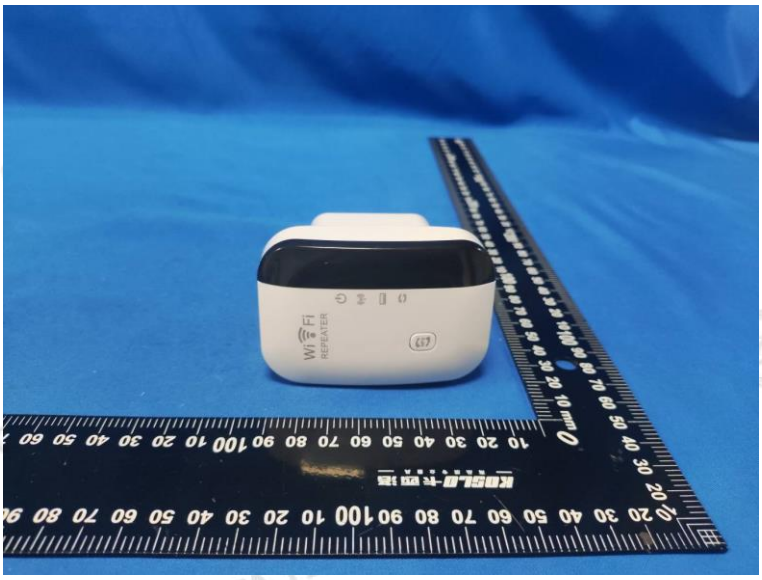


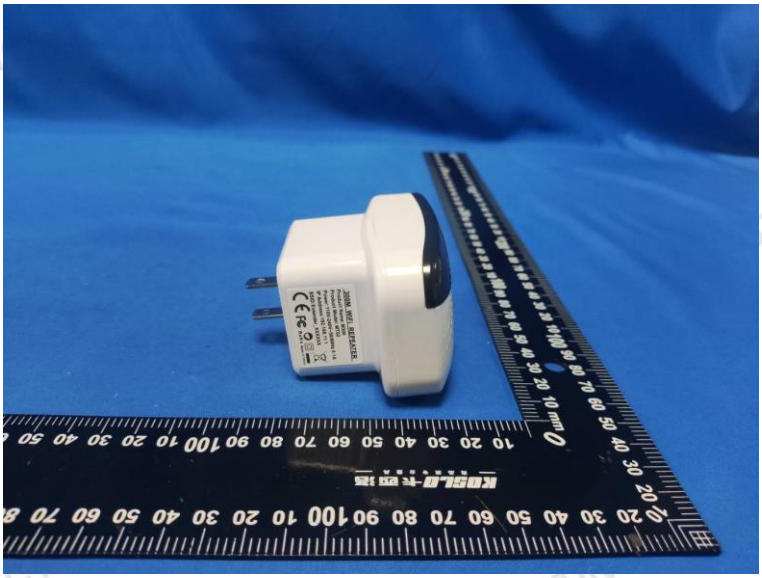
6 Photos of the EUT

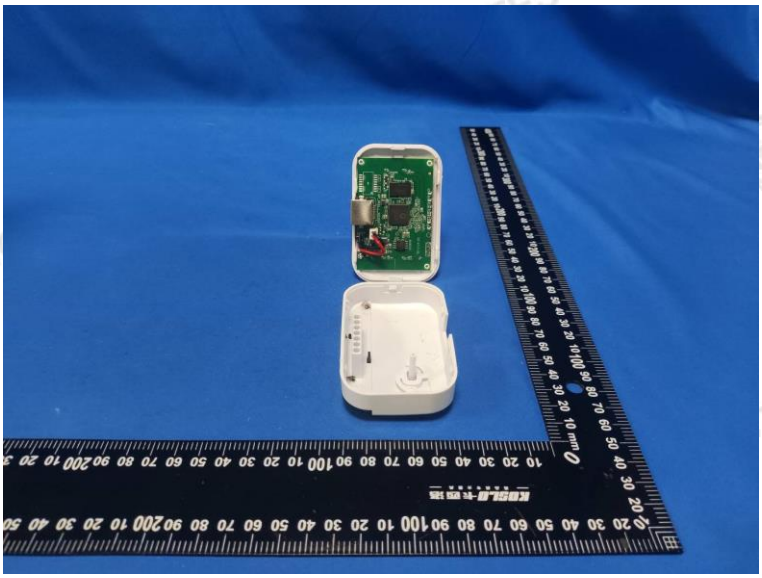


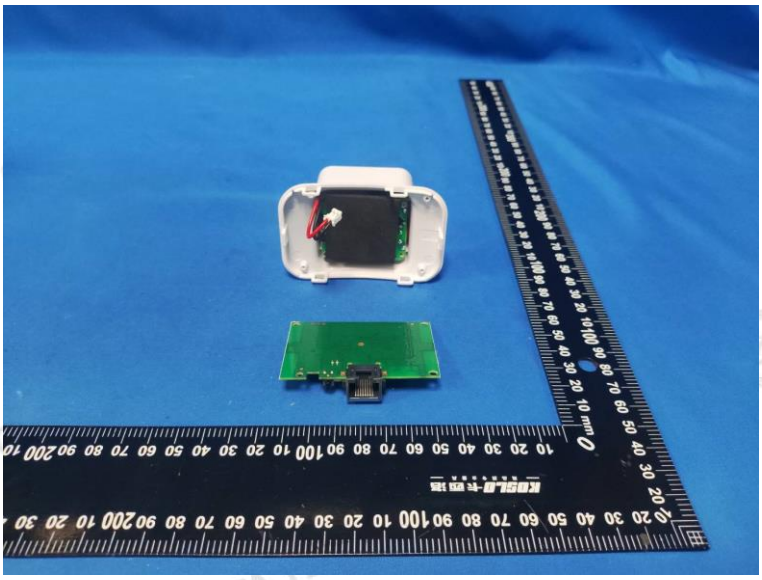


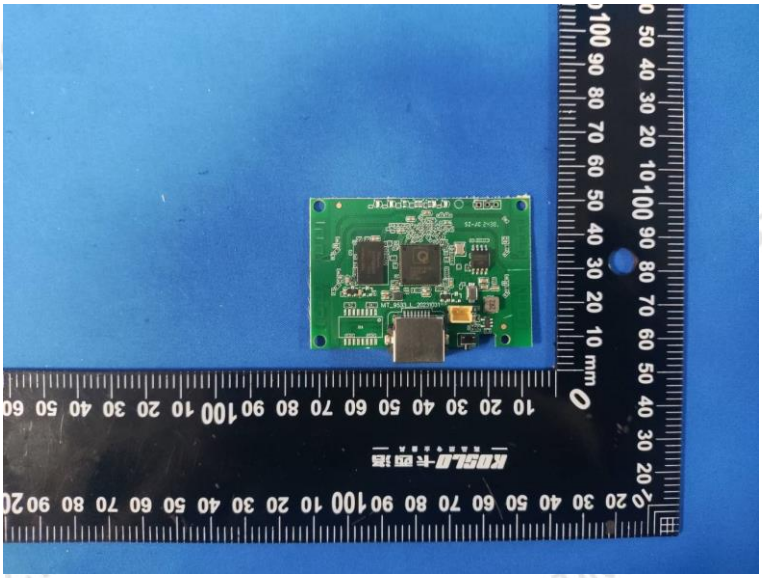


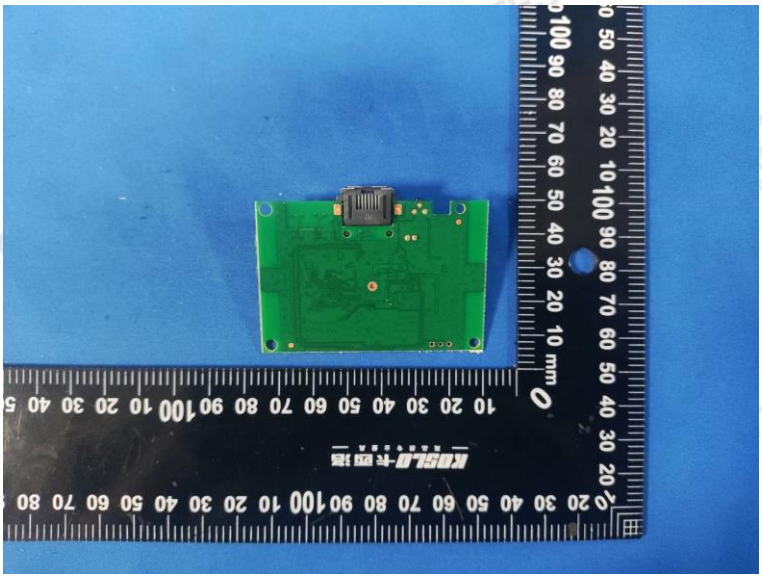

Wi Fi
REPEATER

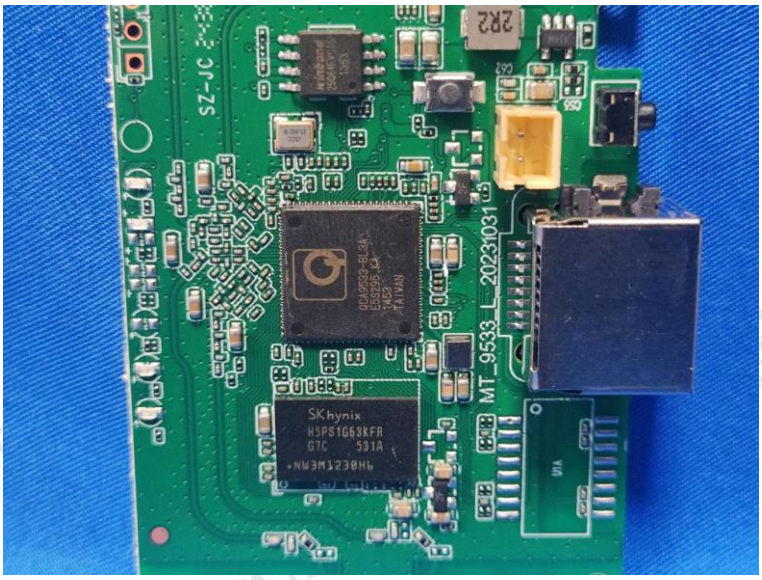








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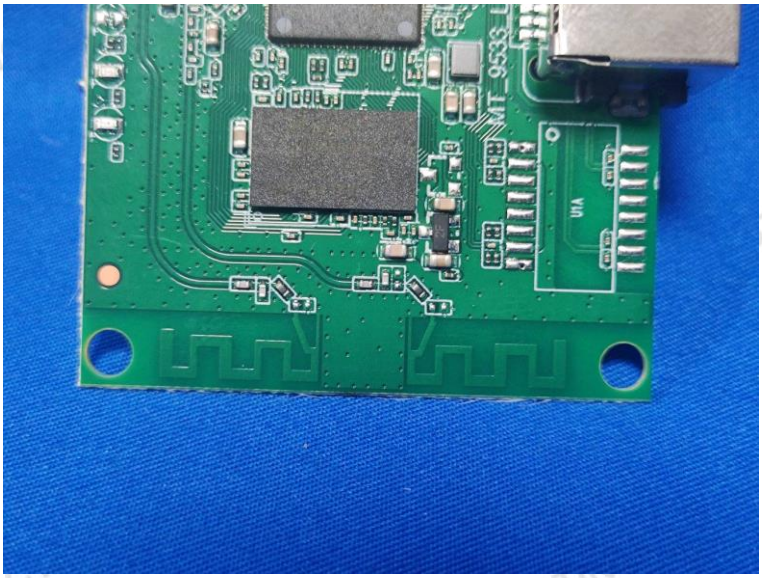

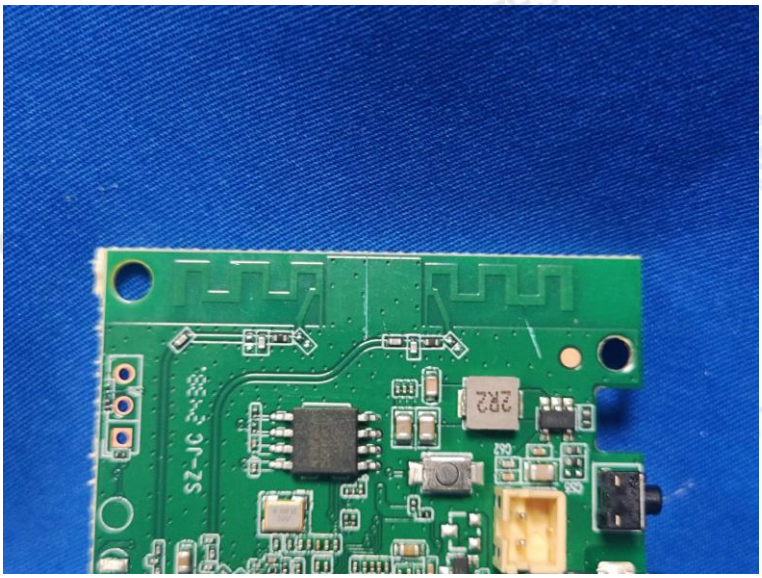

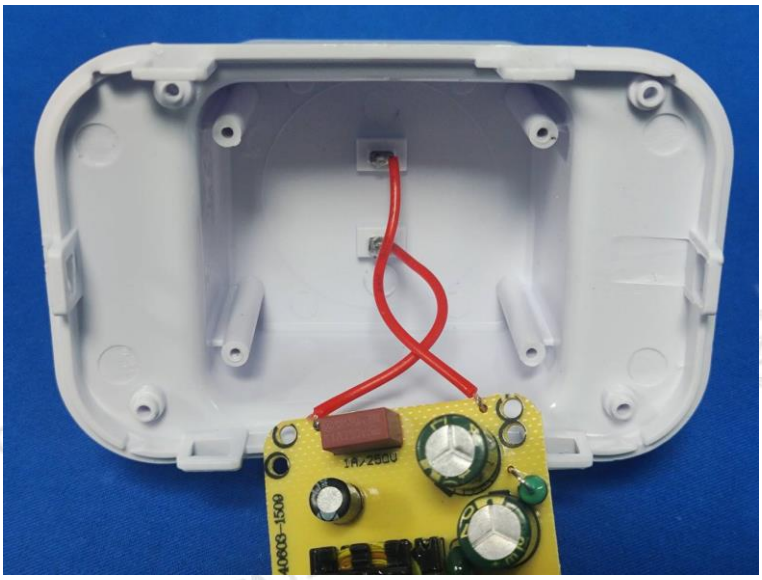

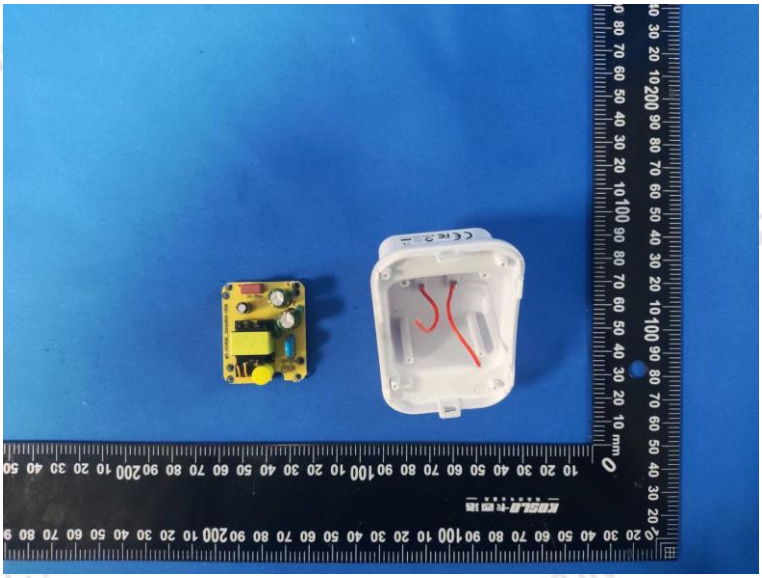

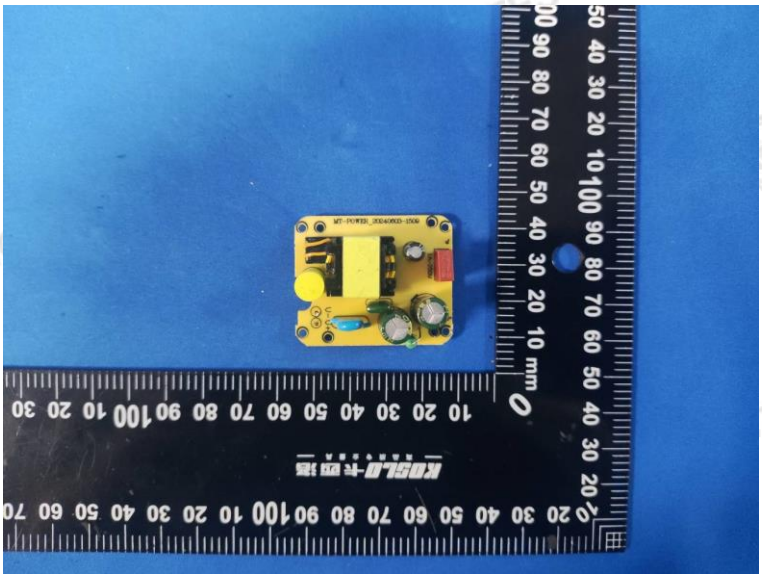

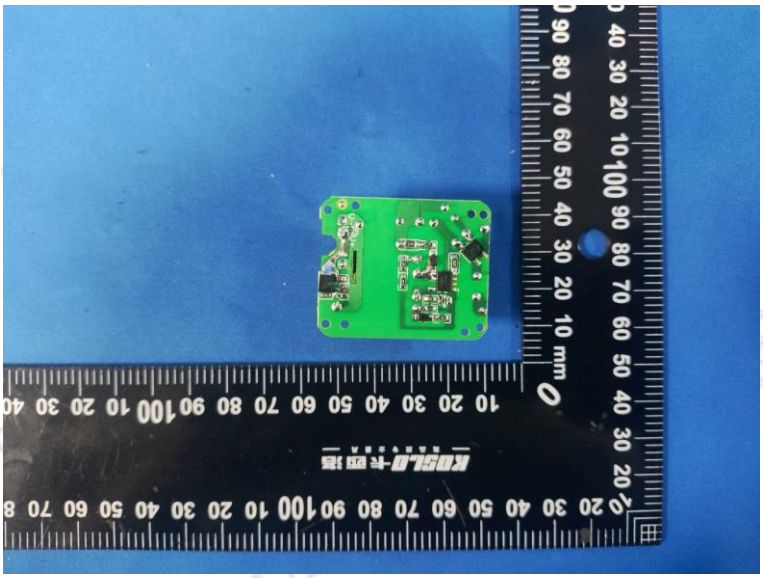

********** End of Report **********