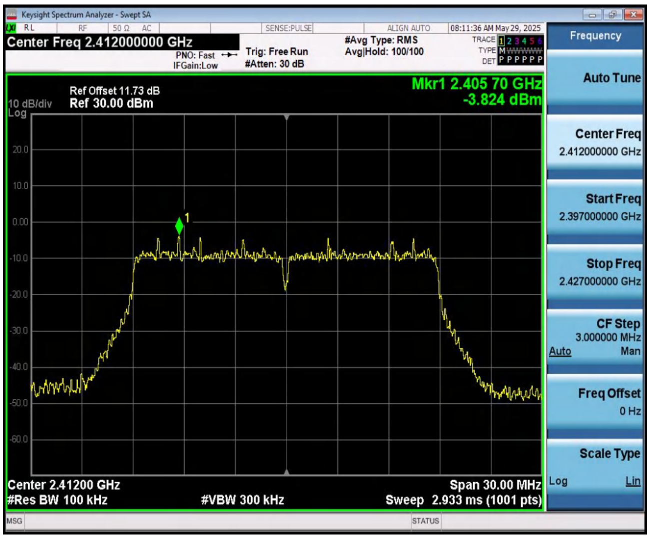
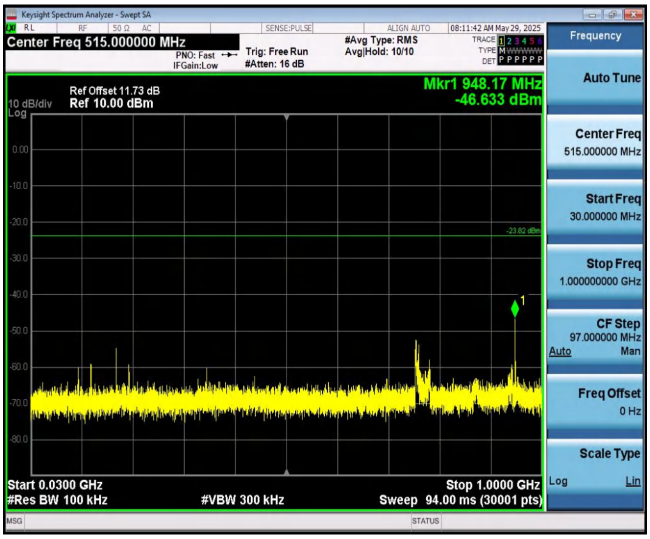
802.11n(HT20)

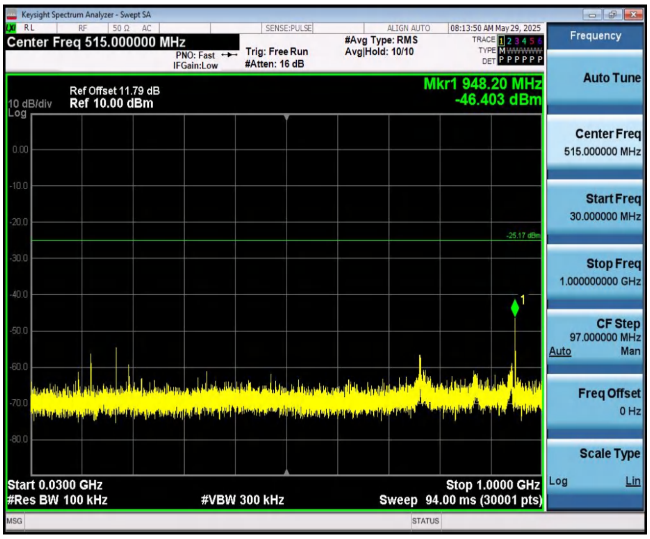


CH01

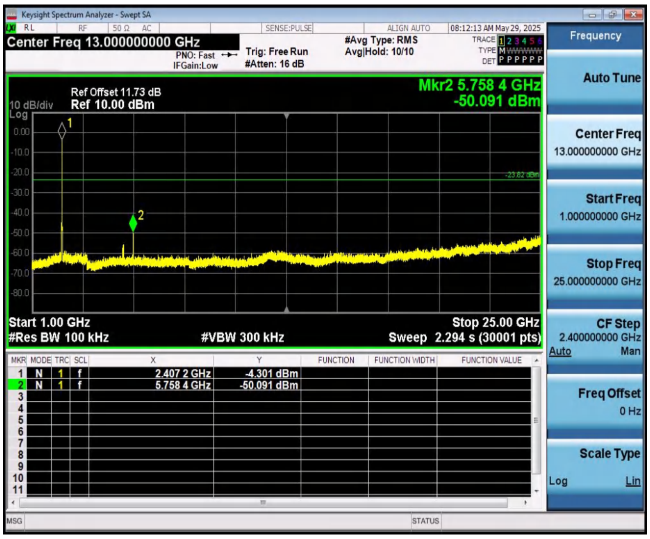
CH06



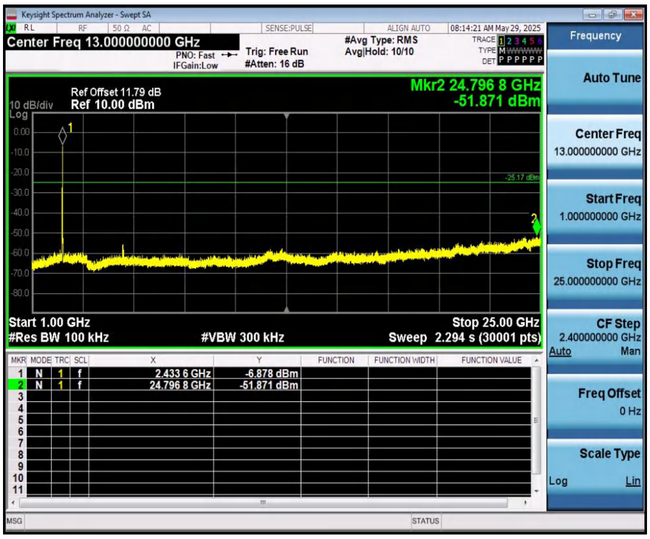
30MHz-1GHz



30MHz-1GHz

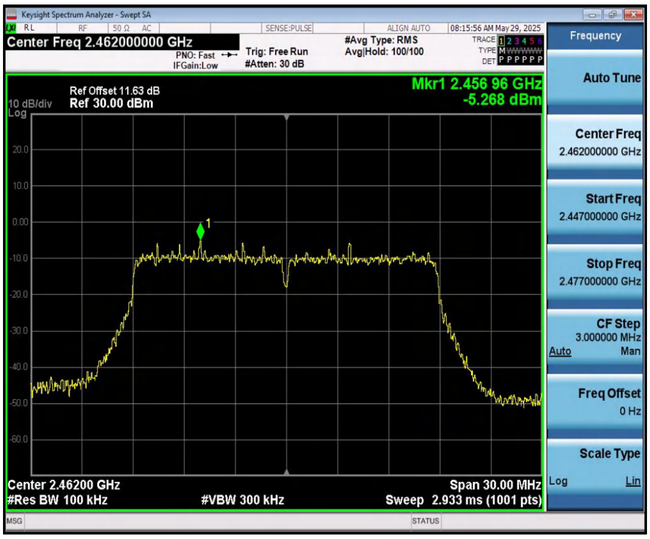


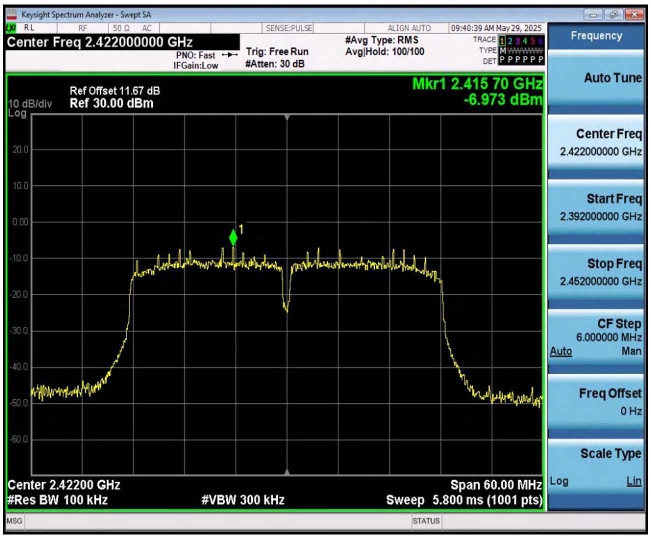
1GHz -25GHz



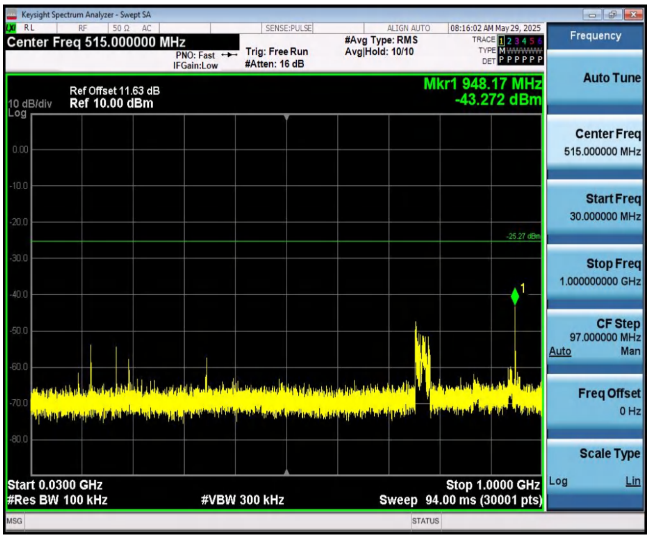
1GHz -25GHz

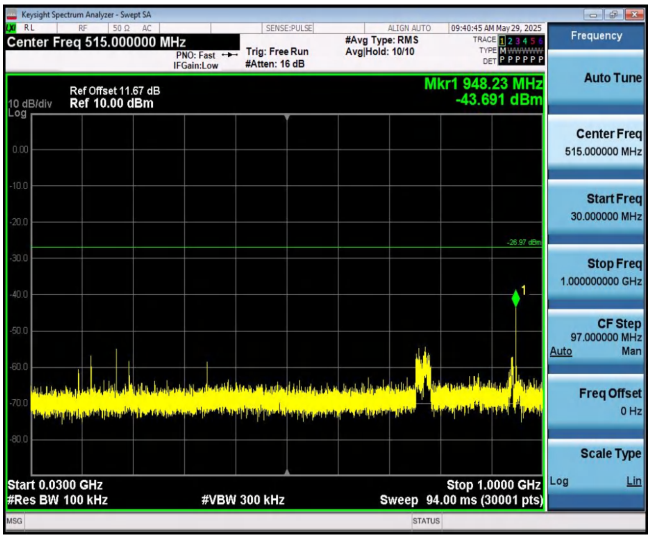
802.11n(HT20)	802.11n(HT40)



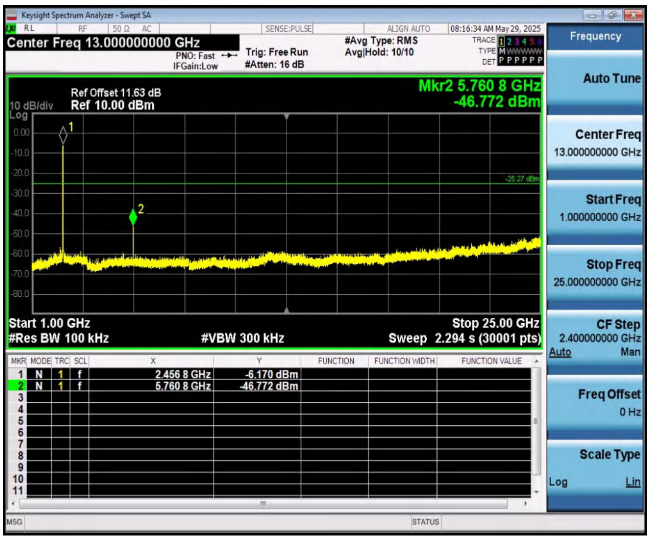


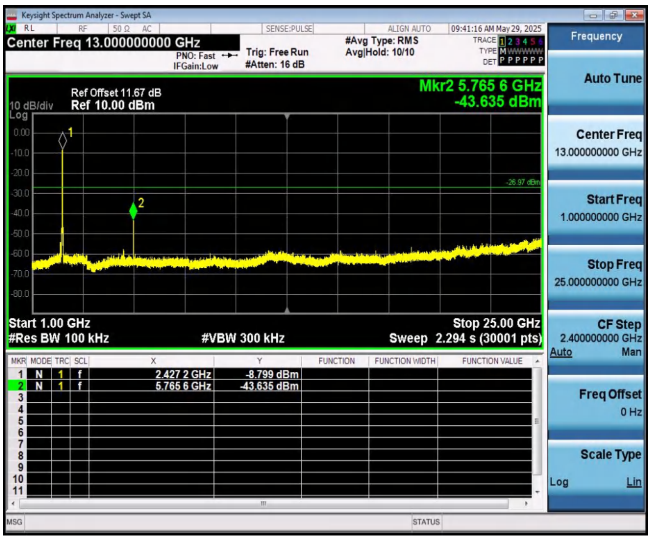
CH11	CH03





30MHz-1GHz	30MHz-1GHz



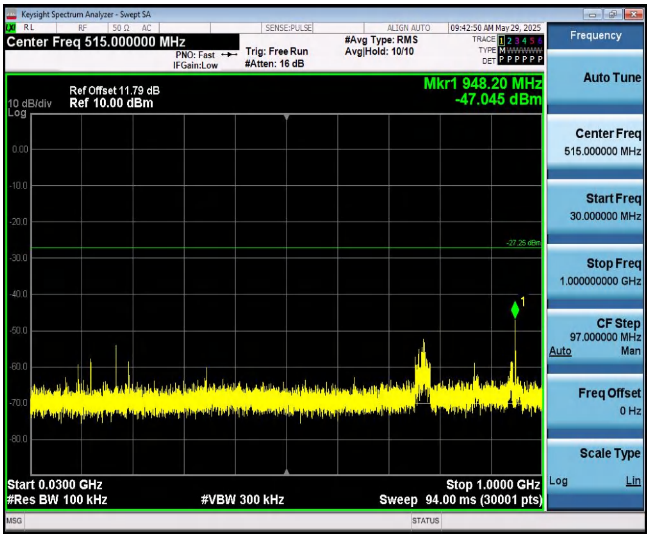


1GHz -25GHz	1GHz -25GHz

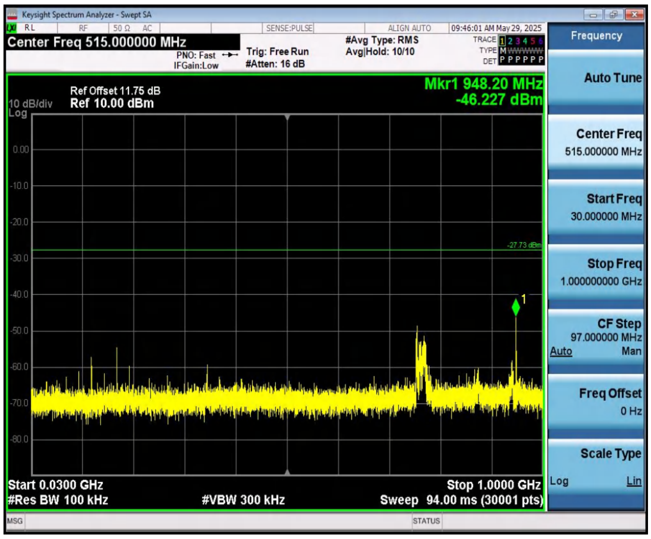
802.11n(HT40)

CH06

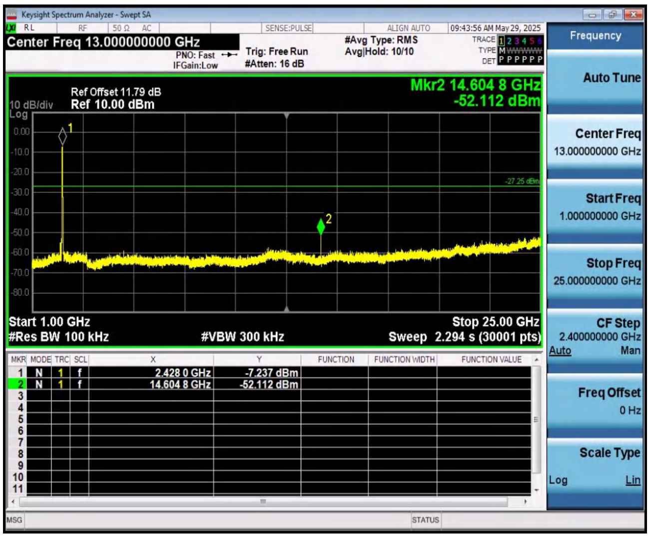
CH09



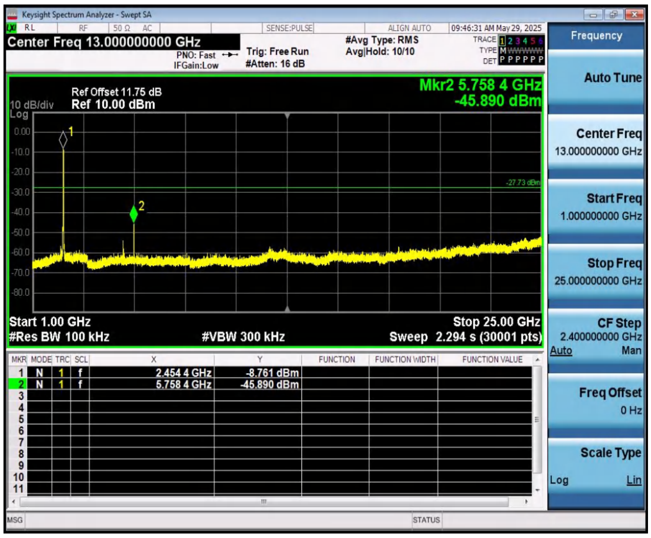
30MHz-1GHz



30MHz-1GHz

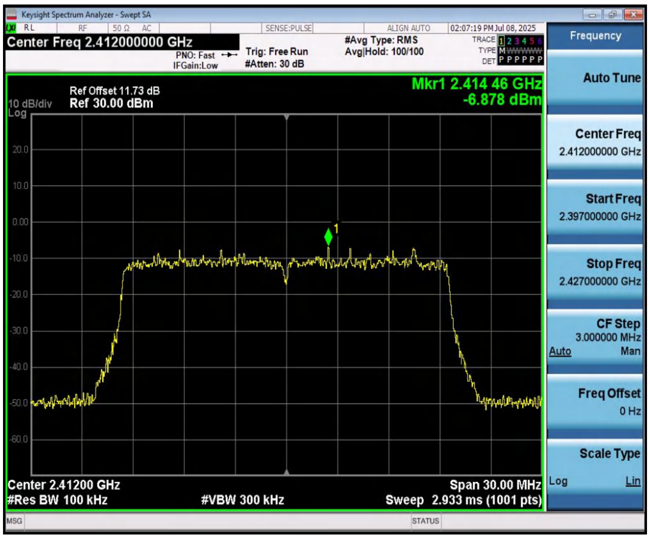


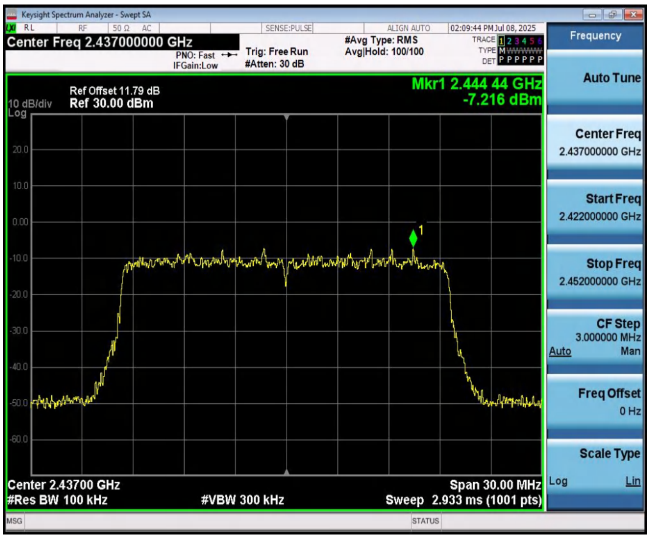
1GHz -25GHz



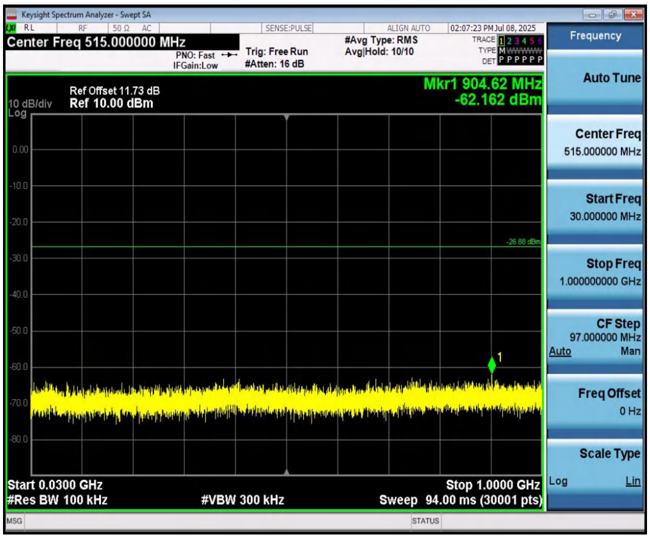
1GHz -25GHz

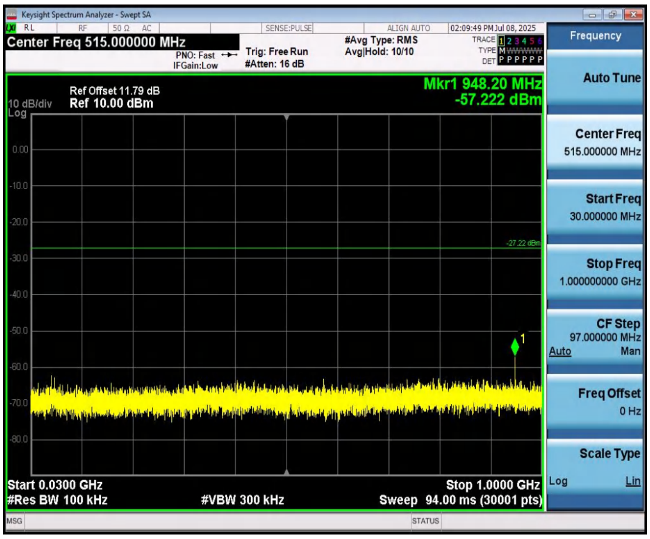
802.11ax(HE20)



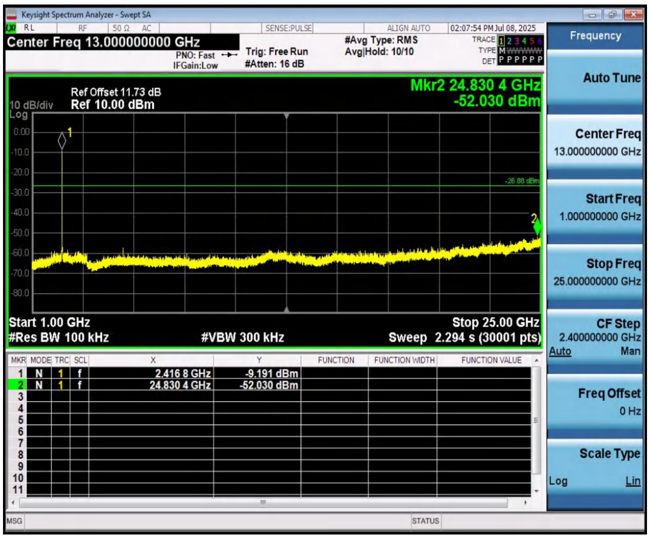


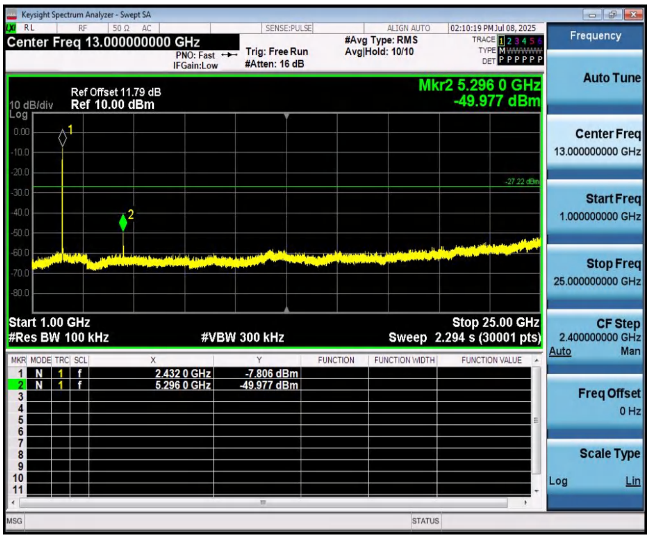
CH01 ***CH06***



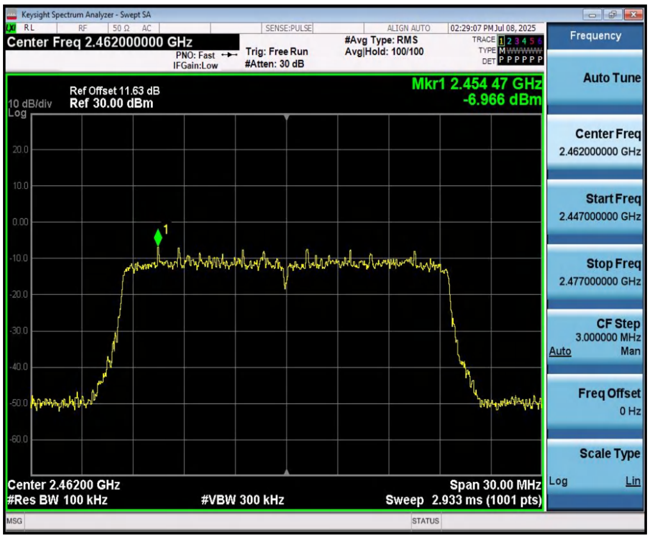
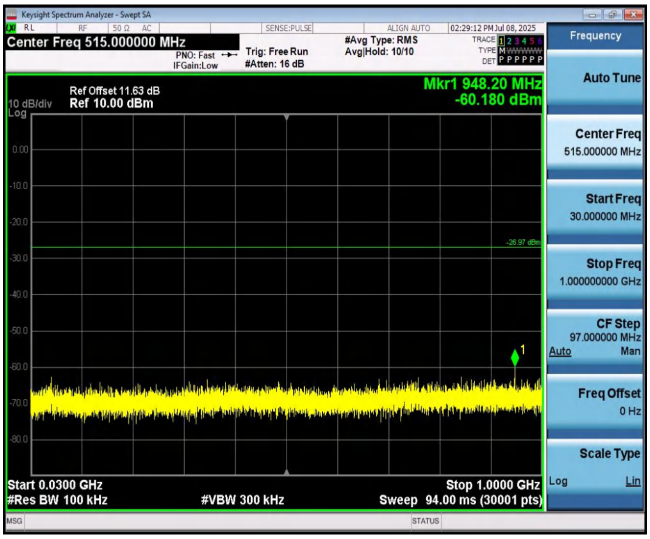


30MHz-1GHz 30MHz-1GHz





1GHz -25GHz 1GHz -25GHz

802.11ax(HE20)	
	
CH11	
	
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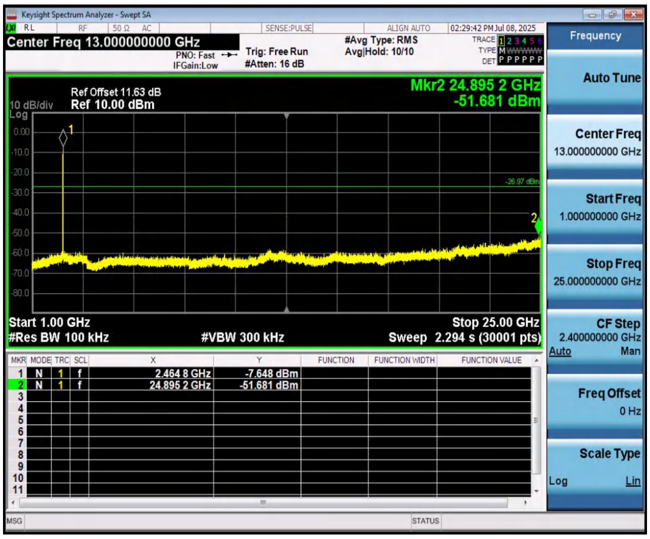
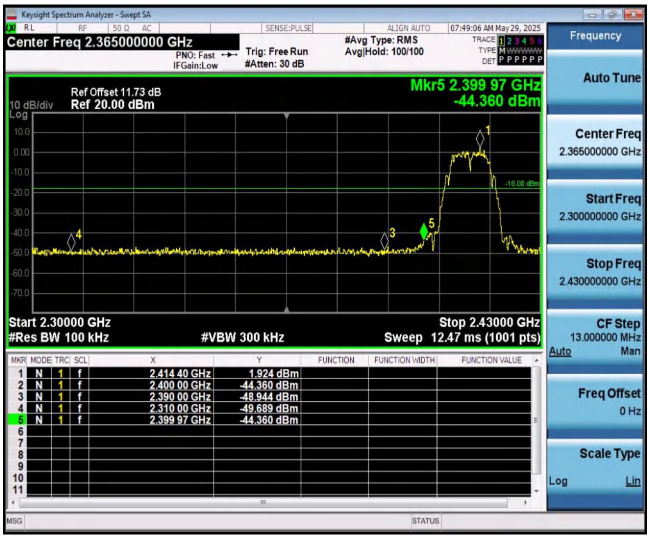
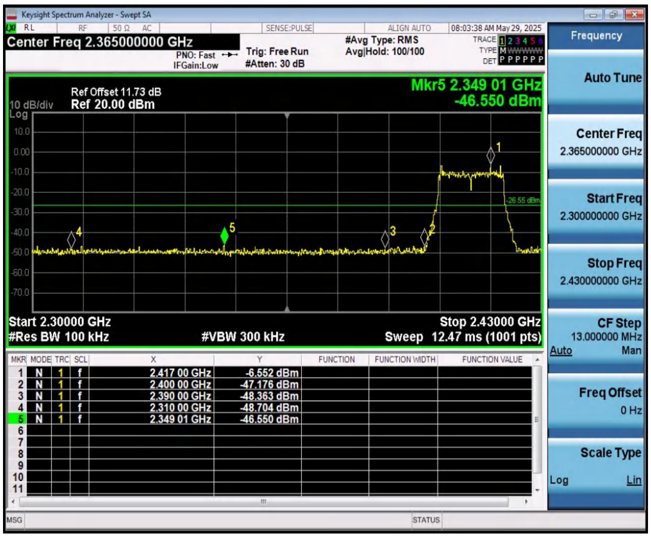
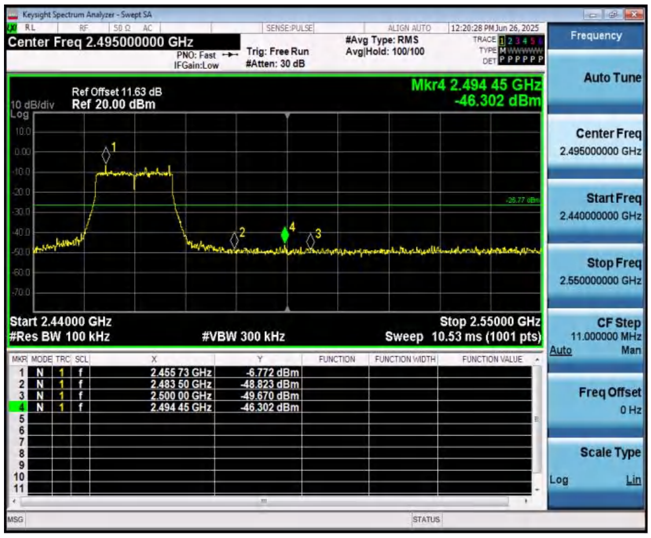
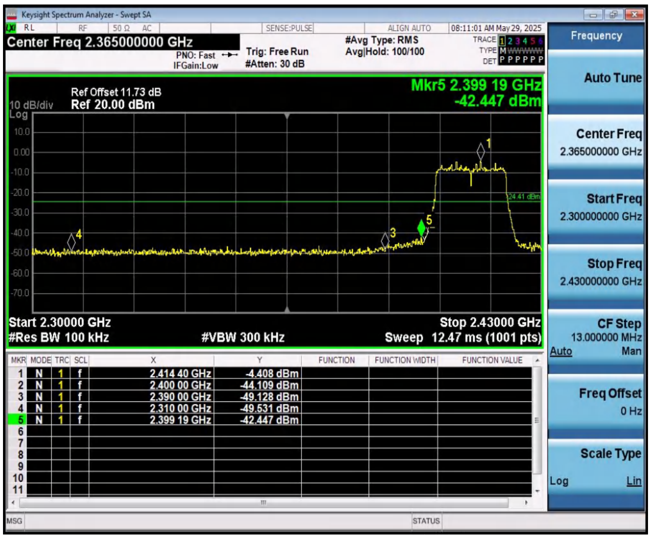
	
1GHz -25GHz	

Band-edge Measurements for RF Conducted Emissions:

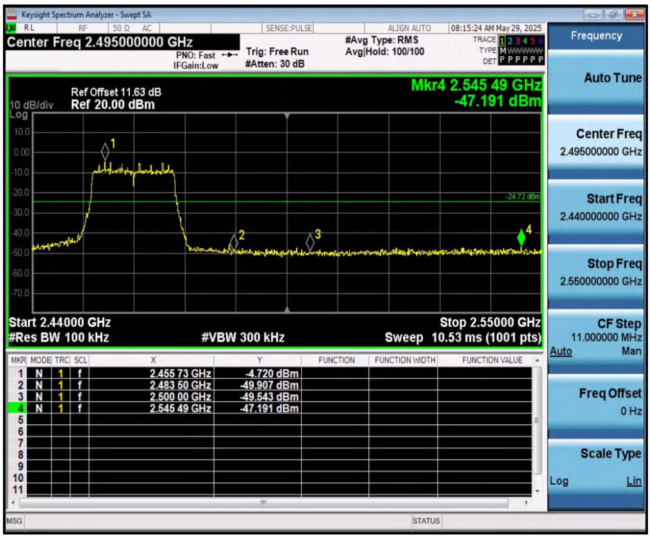
802.11b	
	
Left bandedge	Right bandedge

802.11g	
	
Left bandedge	Right bandedge

802.11n(HT20)

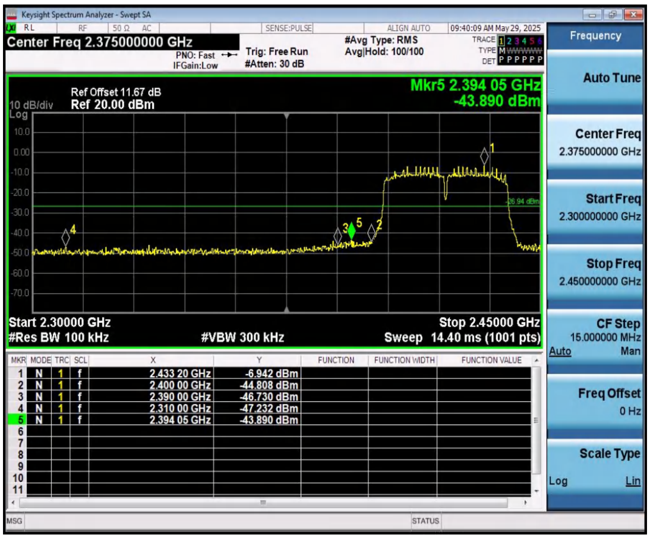


Left bandedge

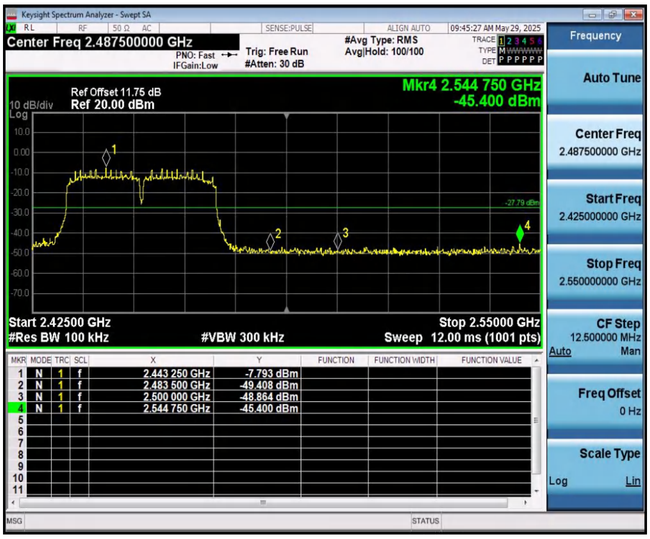


Right bandedge

802.11n(HT40)

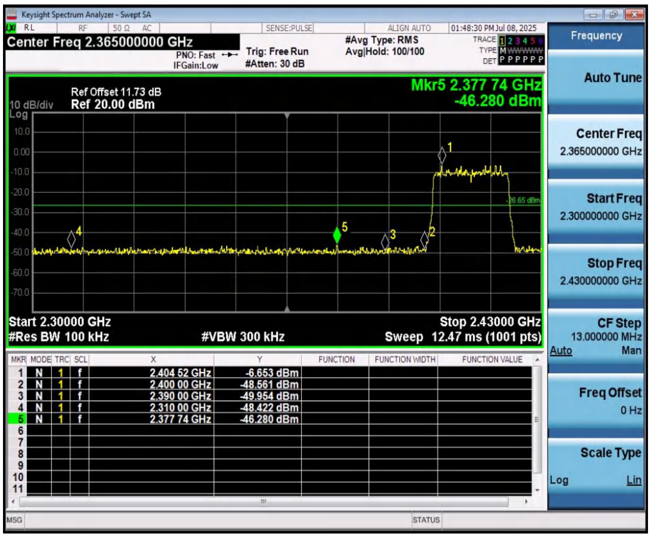


Left bandedge

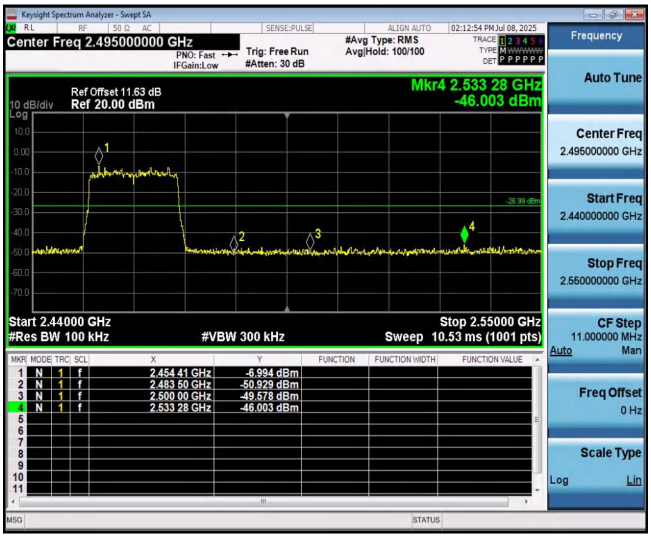


Right bandedge

802.11ax(HE20)



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):

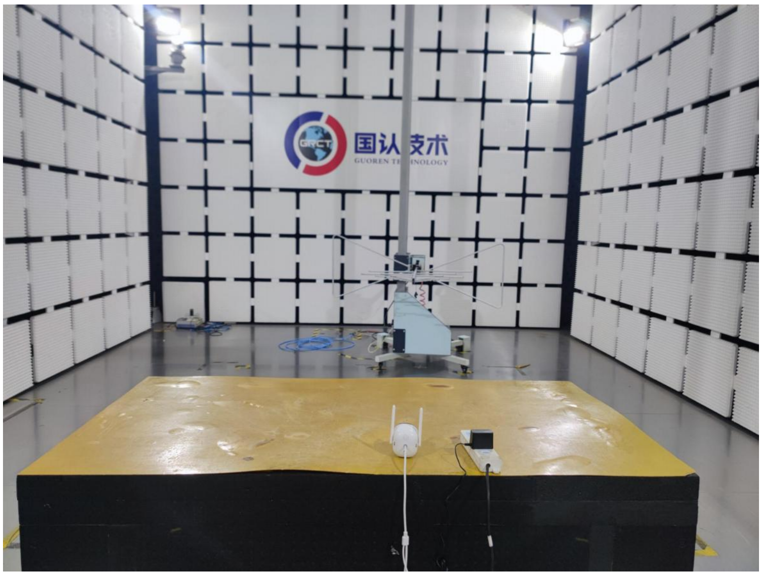
(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional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

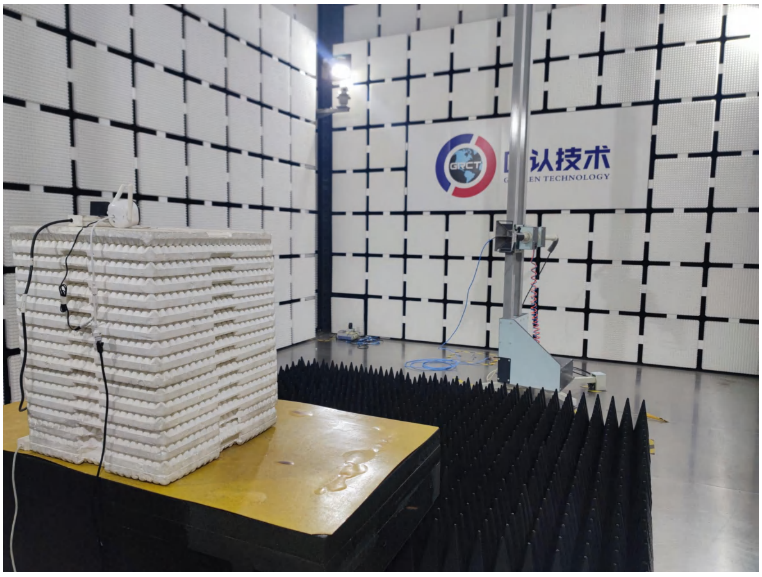
Test Result:

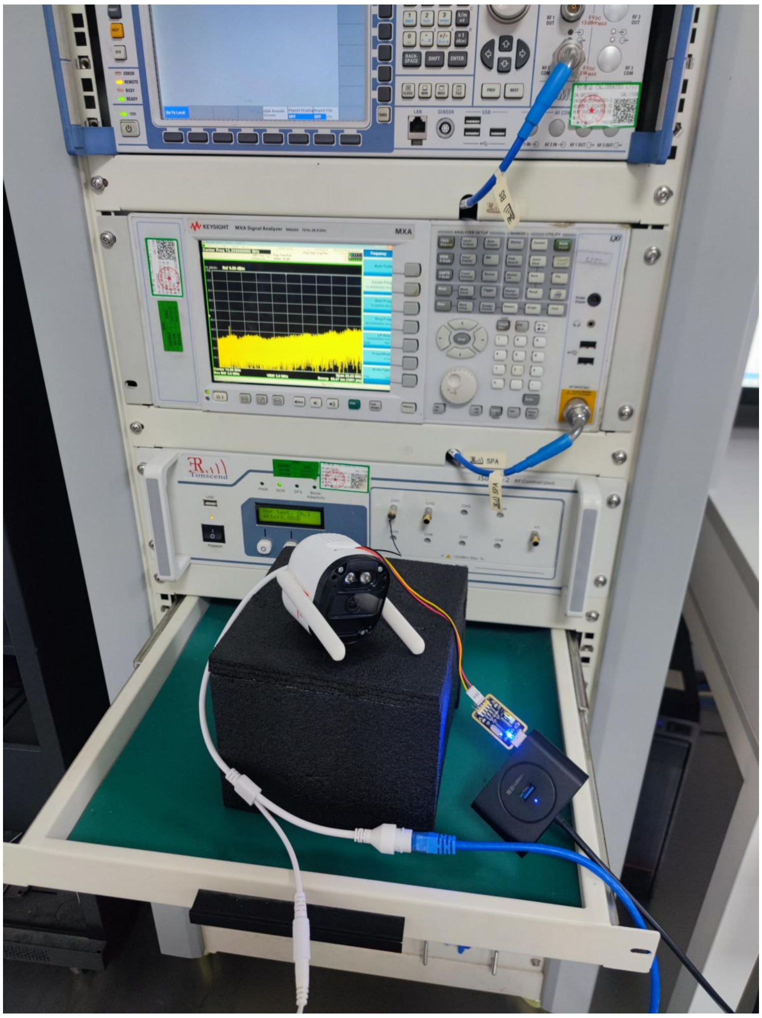
The maximum gain of antenna was 3.23 dBi.

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

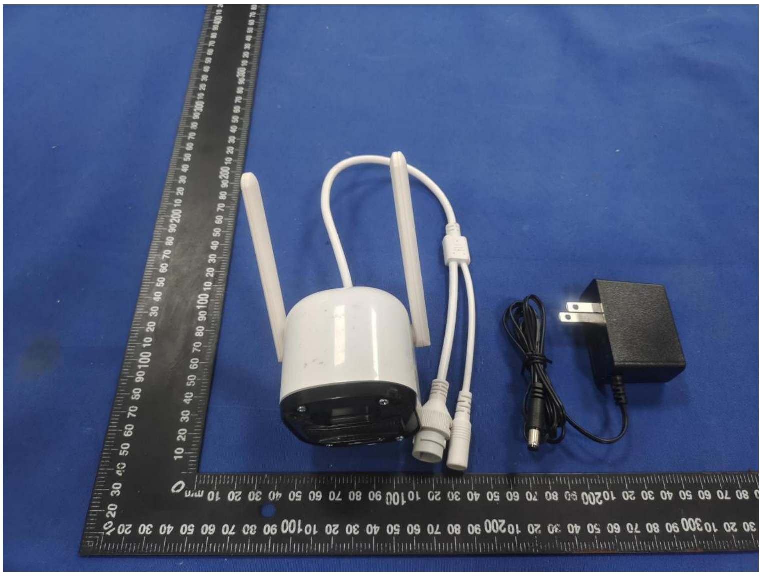
5 Test Setup Photos of the EUT

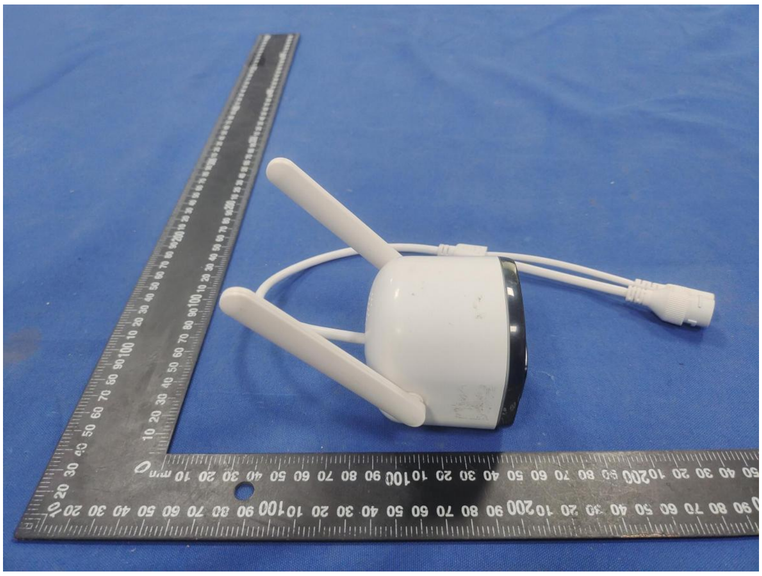


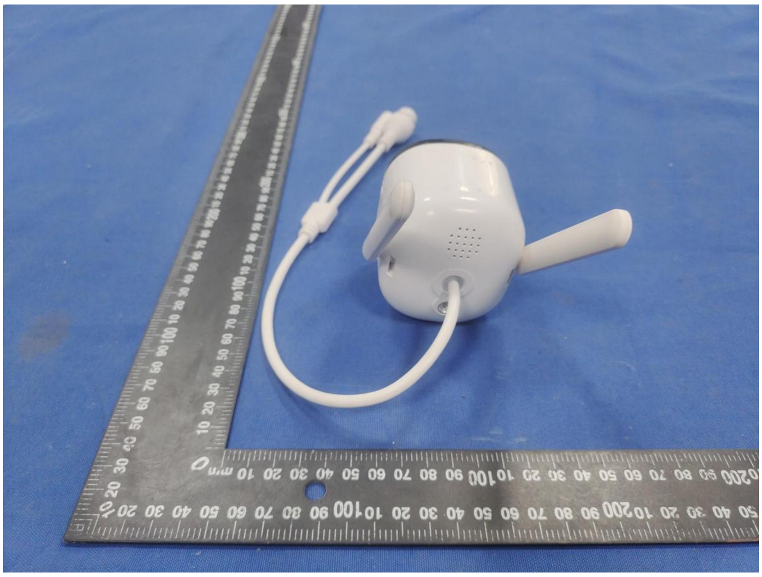


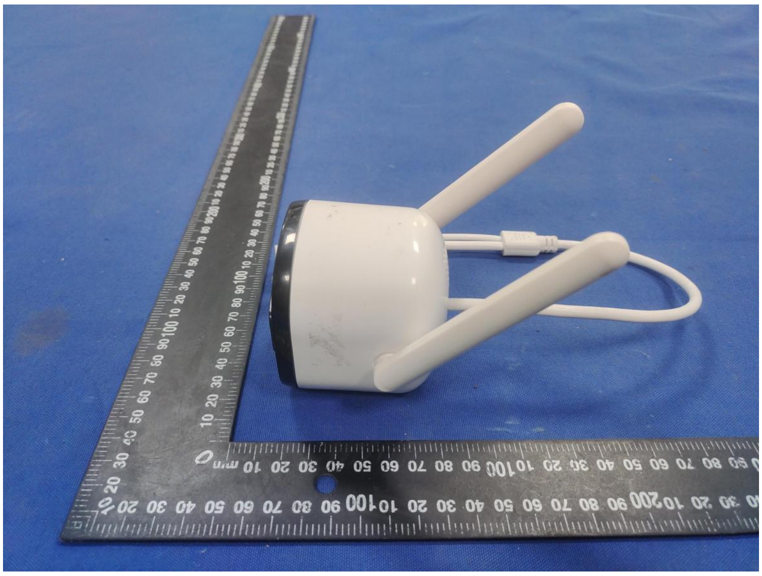


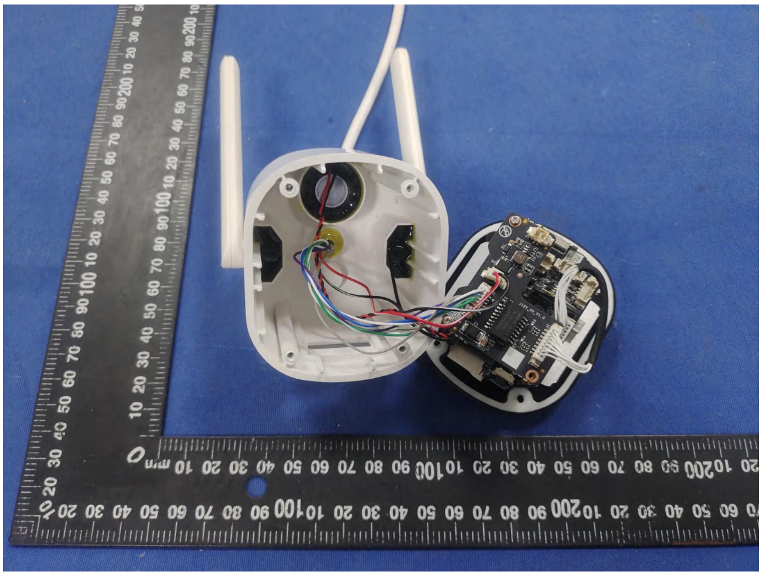
6 Photos of the EUT



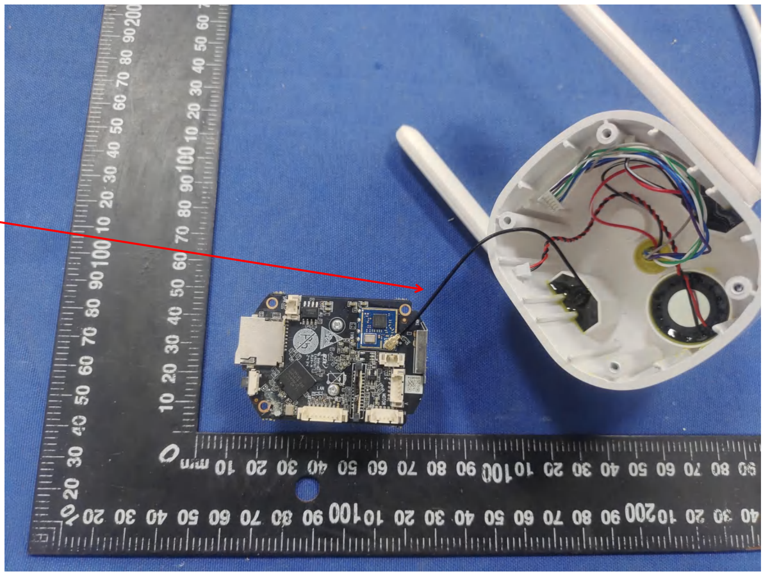


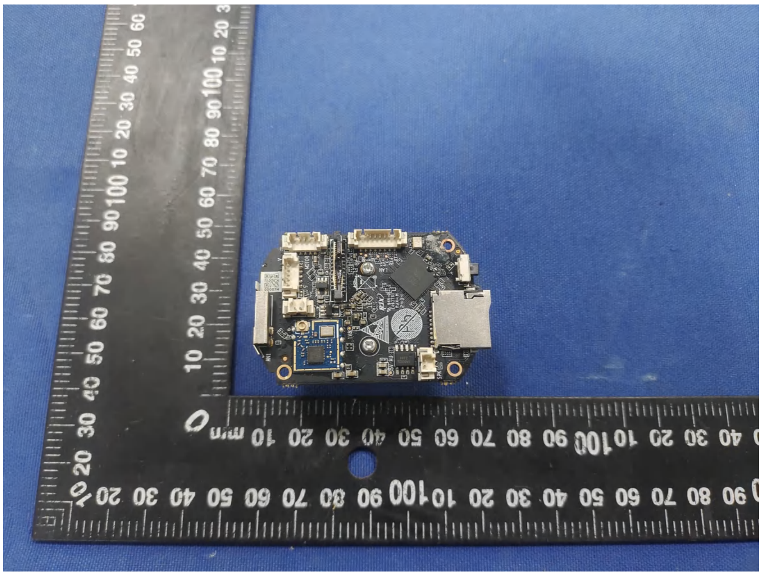


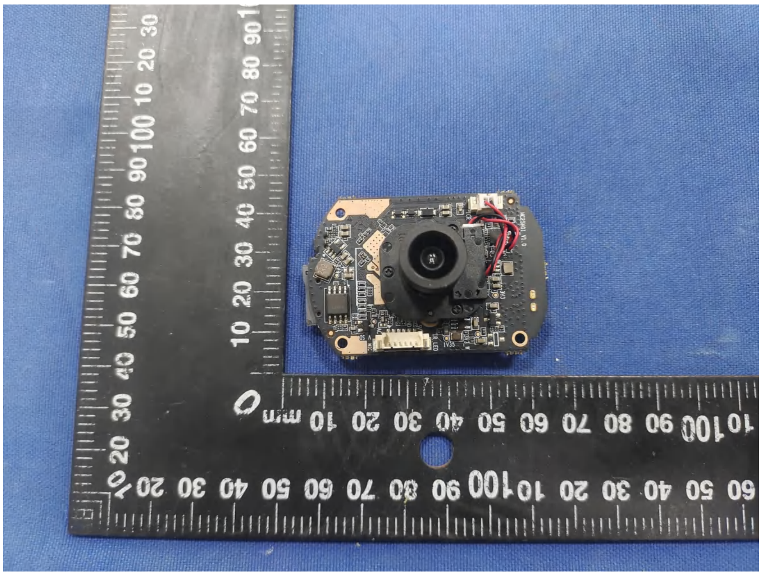


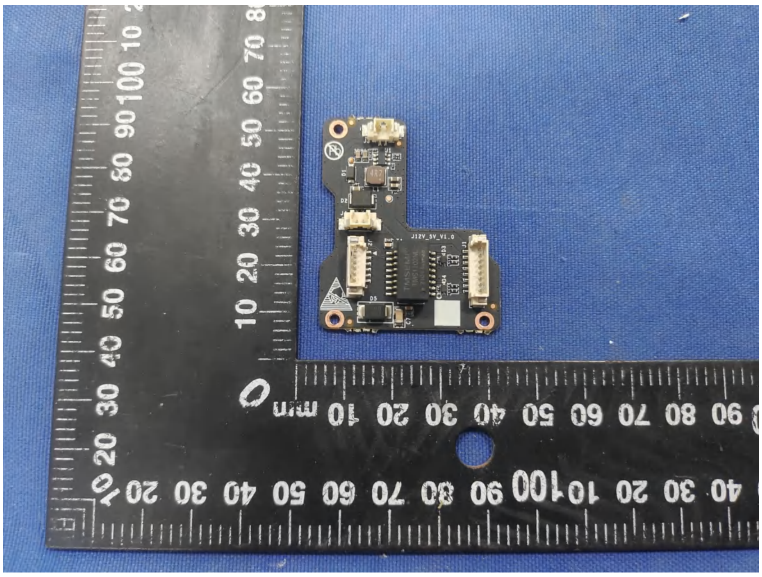


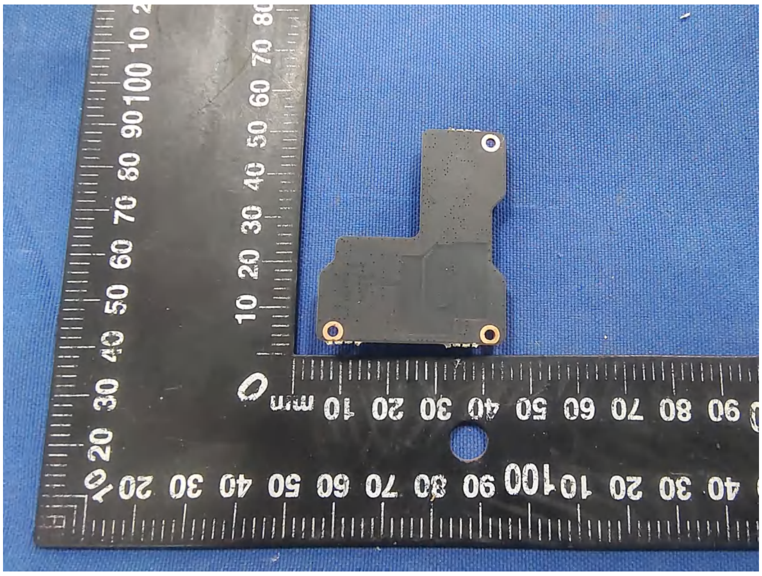
2.4G WIFI Antenna

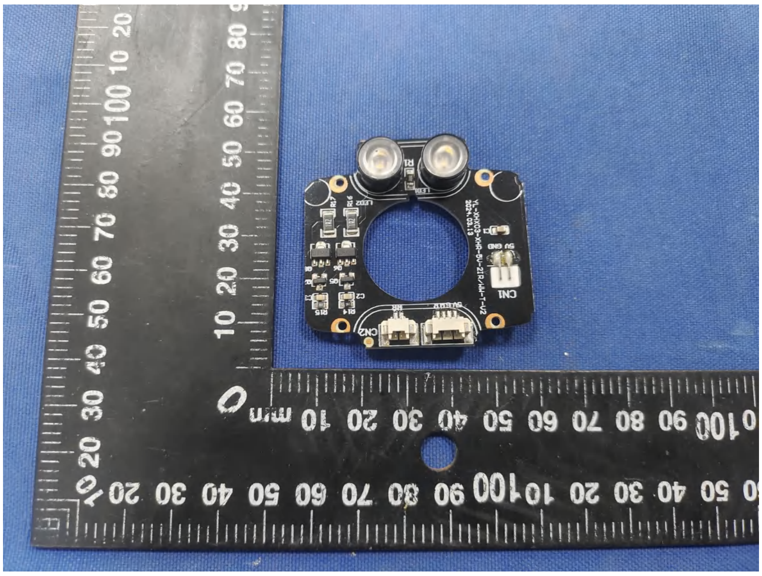


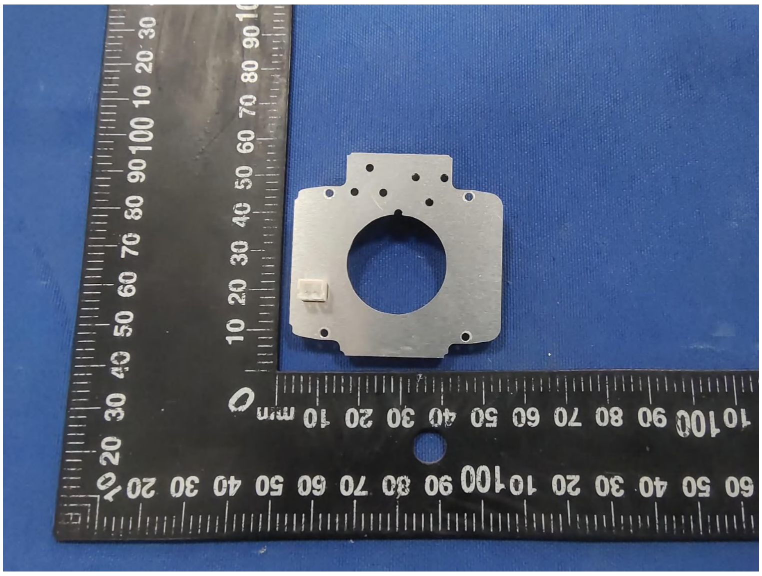












*********************** End of Report ***********************