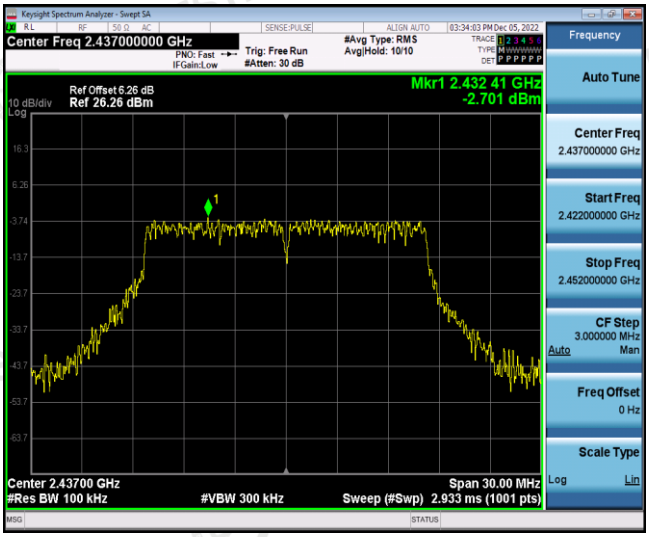
802.11g



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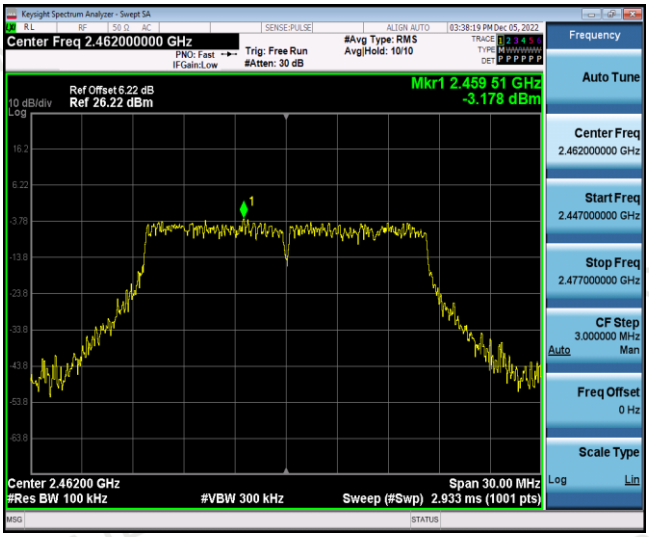

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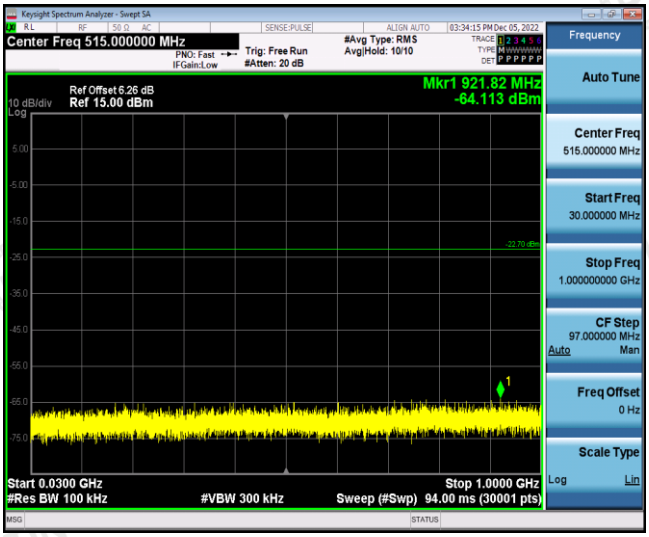
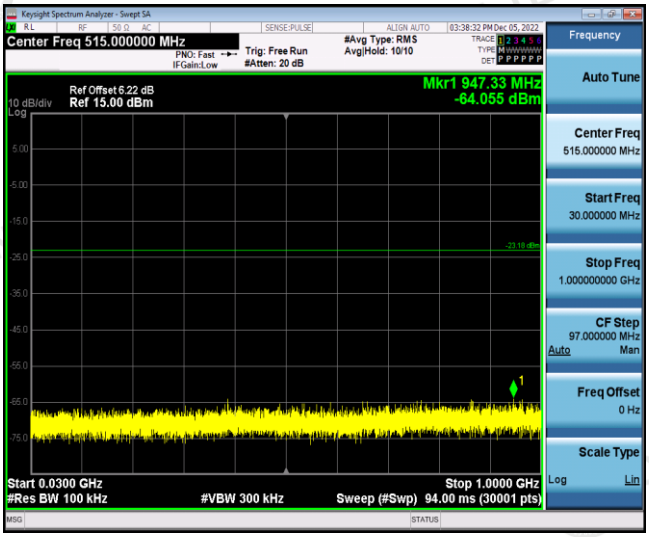
CH06

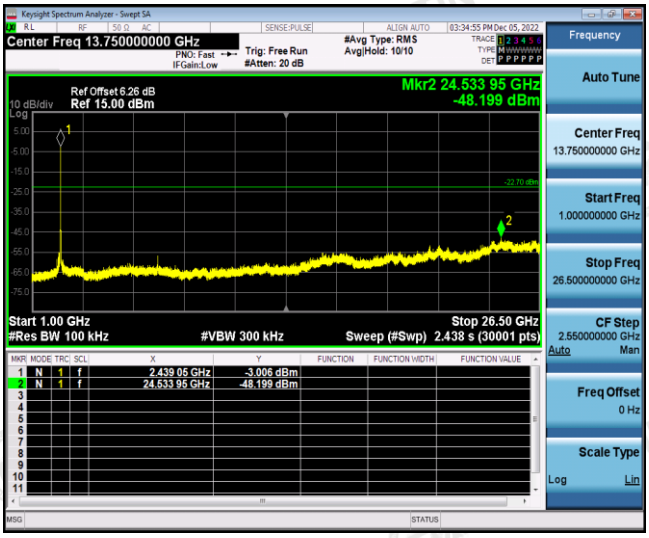


30MHz-1GHz

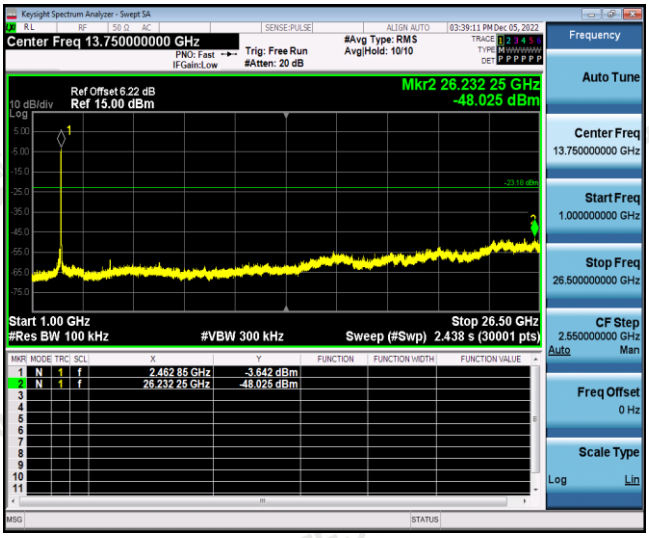
CH11



30MHz-1GHz

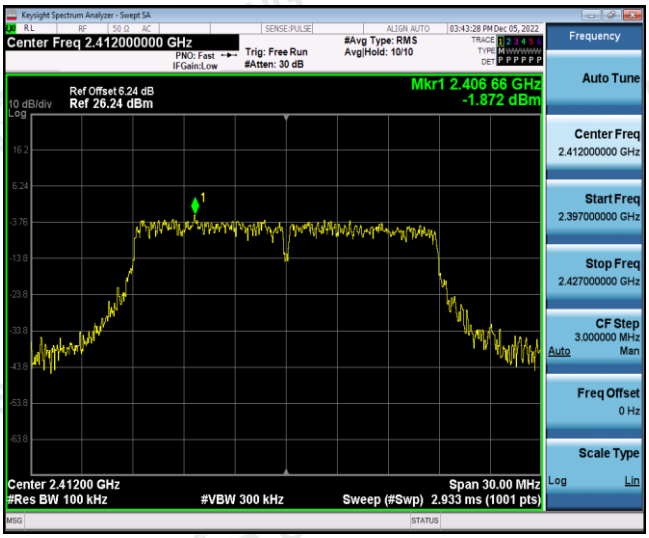


1GHz -25GHz



1GHz -25GHz

802.11n20



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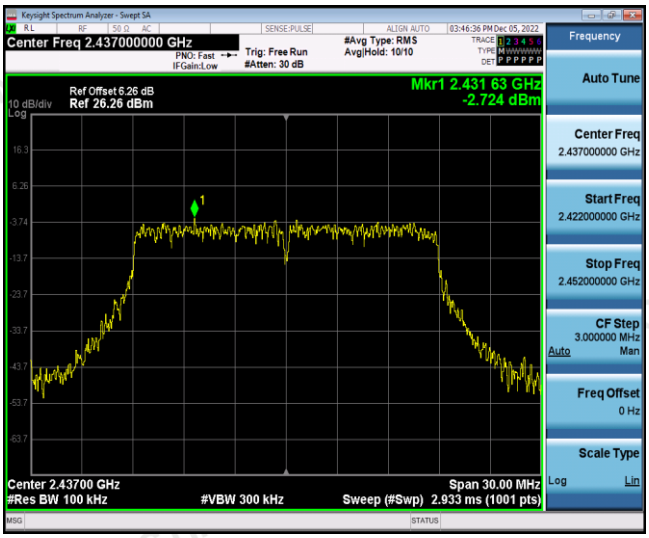

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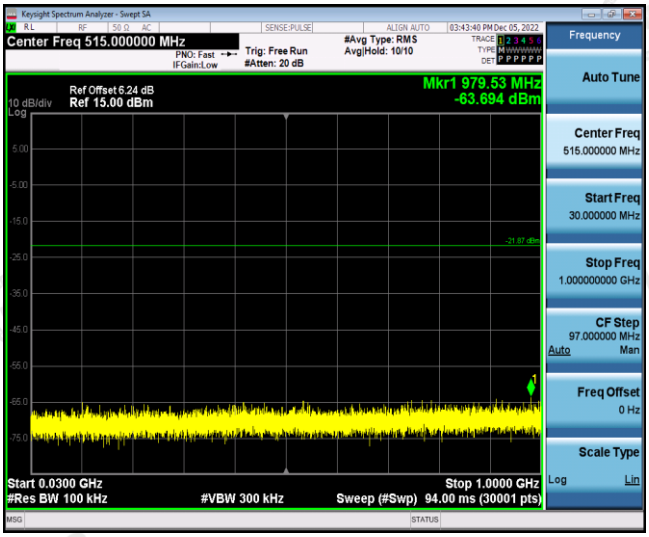
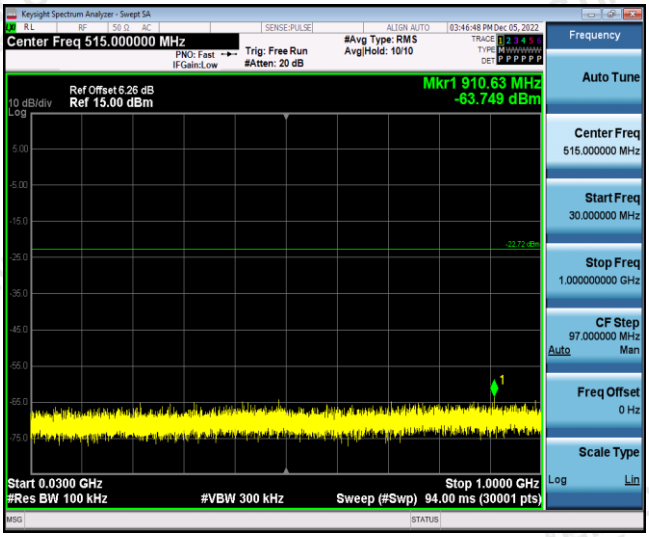
CH01

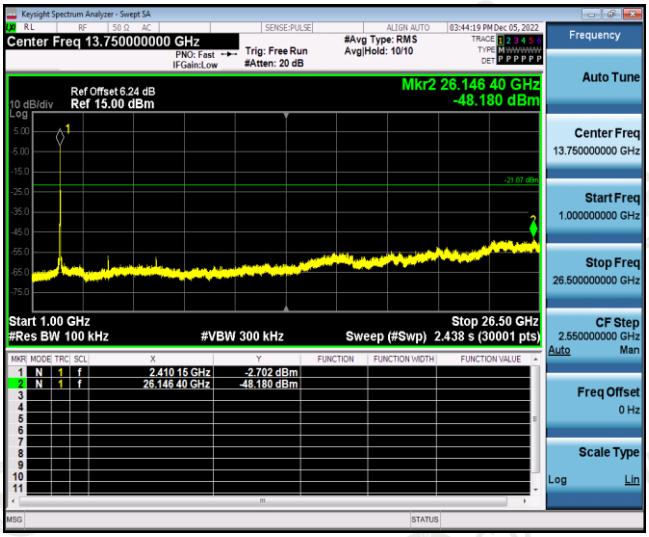


30MHz-1GHz

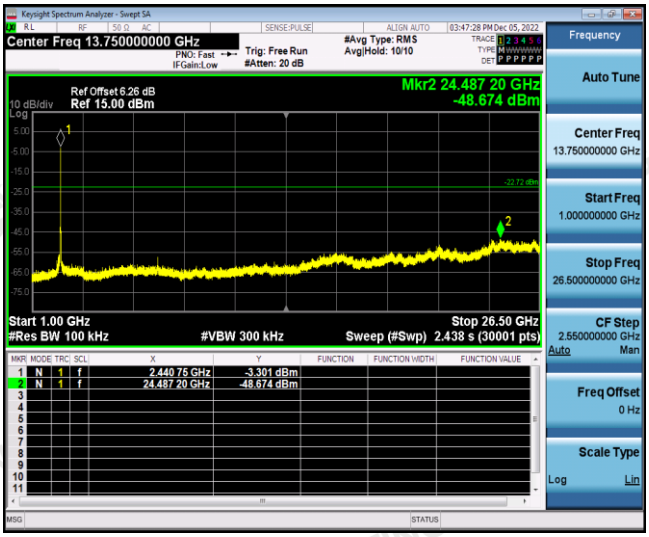
CH06



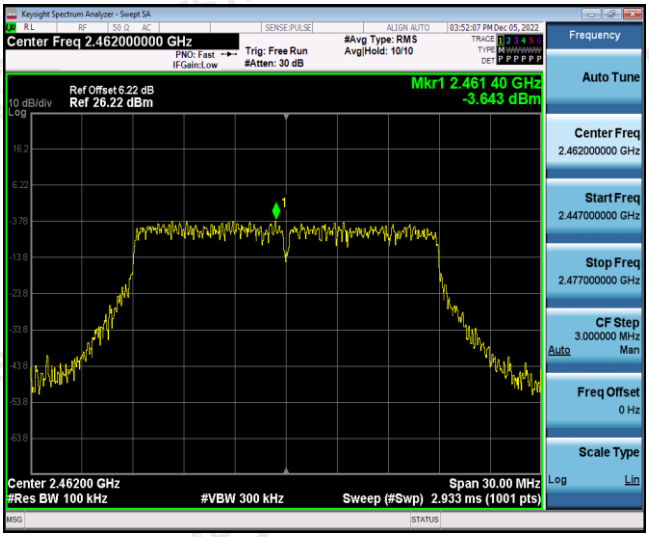
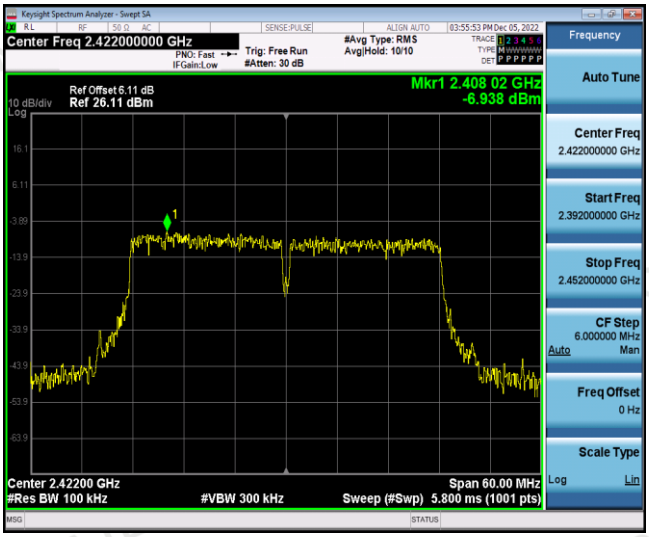
30MHz-1GHz



1GHz -25GHz



1GHz -25GHz

802.11n20	802.11n40
	
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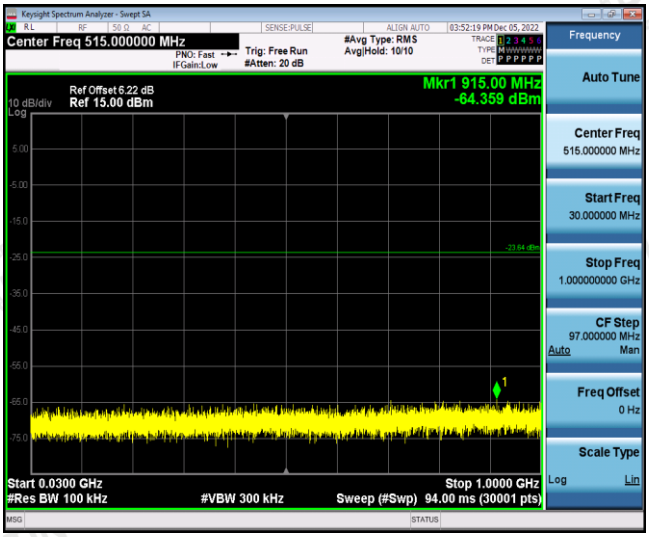
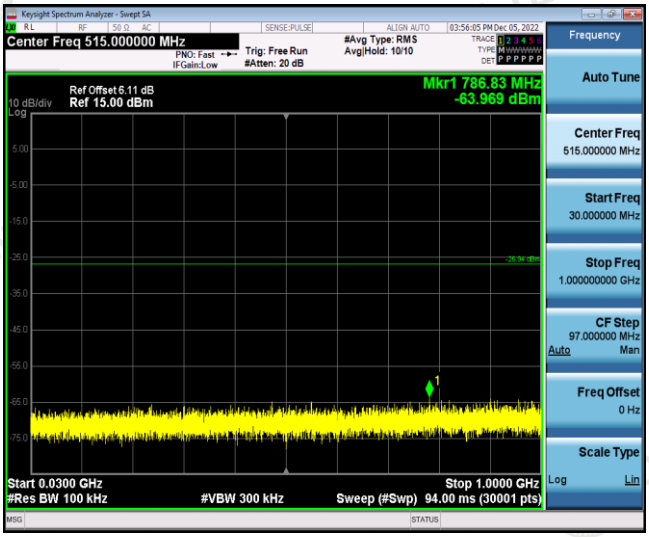
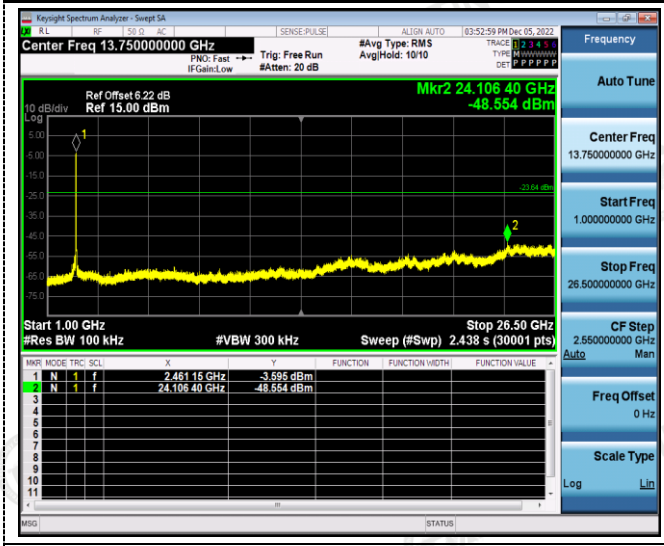
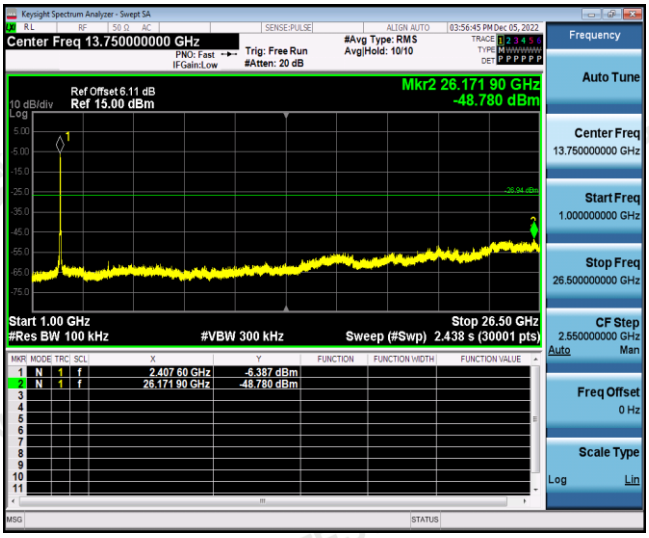
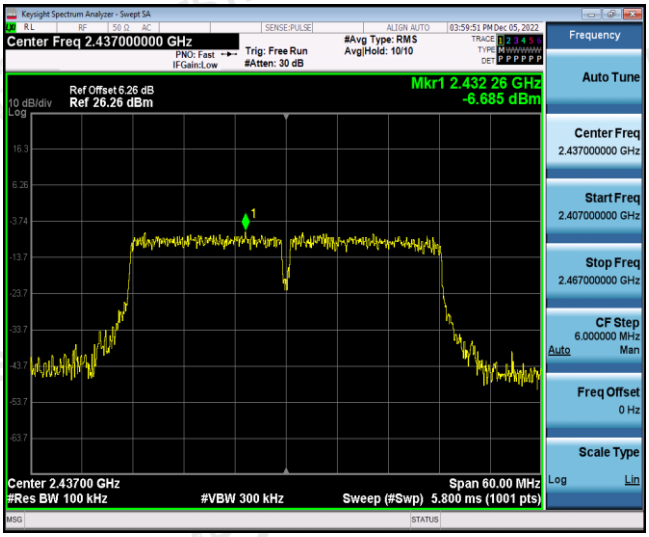
CH11	***CH03***
	
30MHz-1GHz	30MHz-1GHz
	
1GHz -25GHz	1GHz -25GHz

802.11n40



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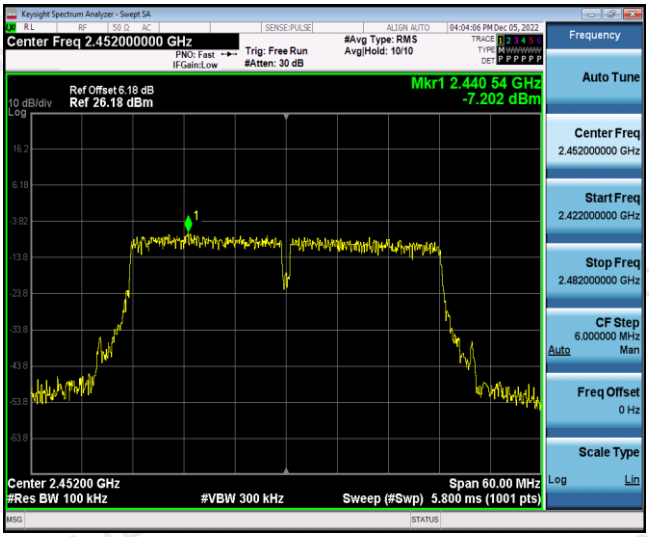

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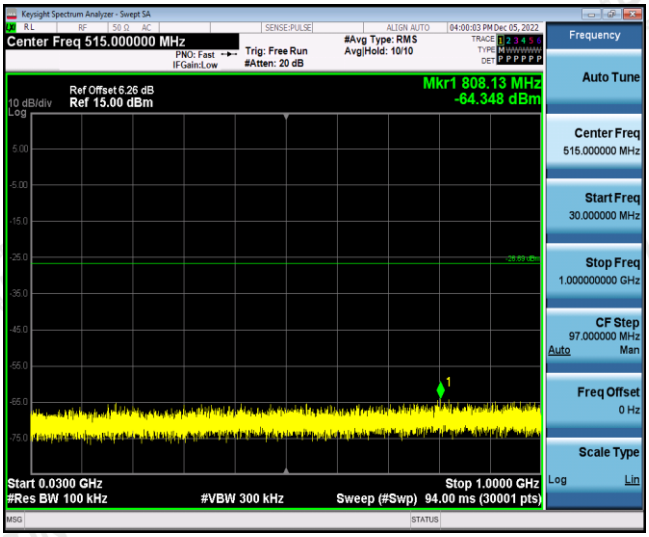
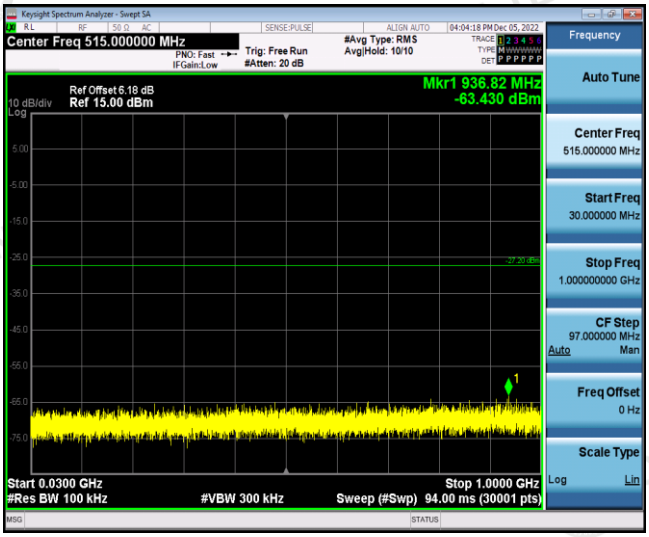
CH06

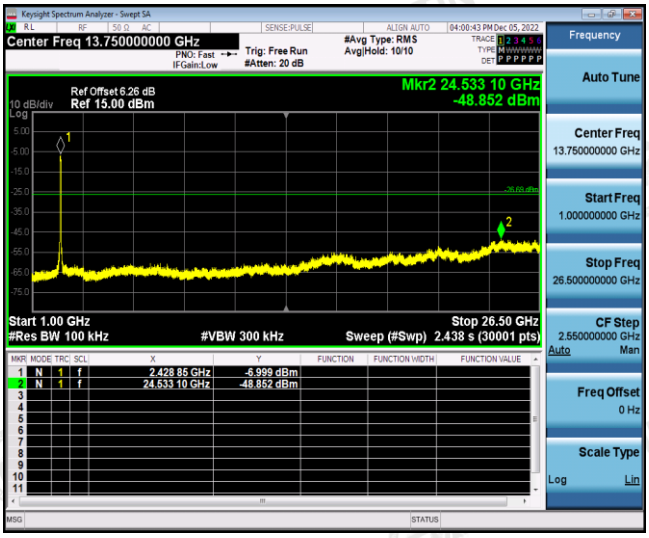


30MHz-1GHz

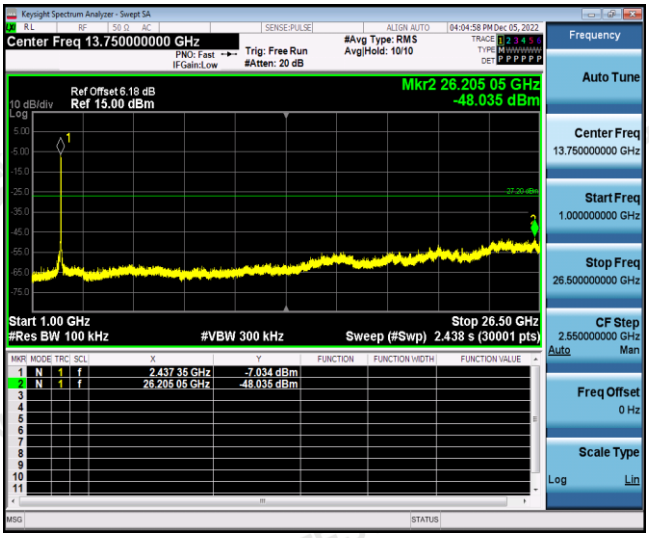
CH09



30MHz-1GHz

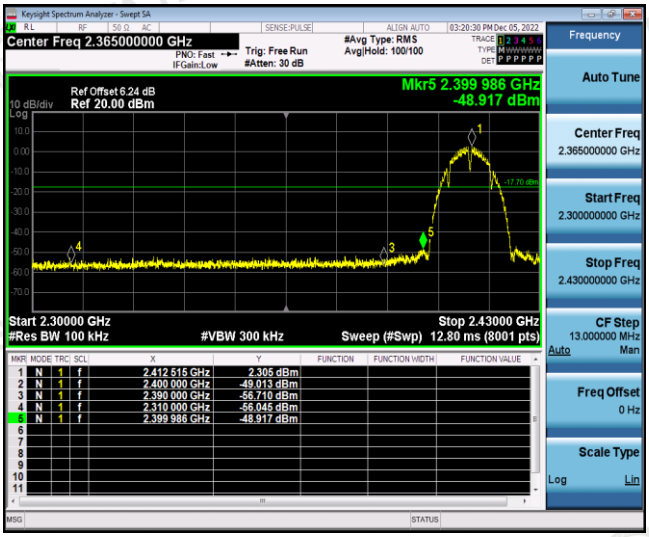
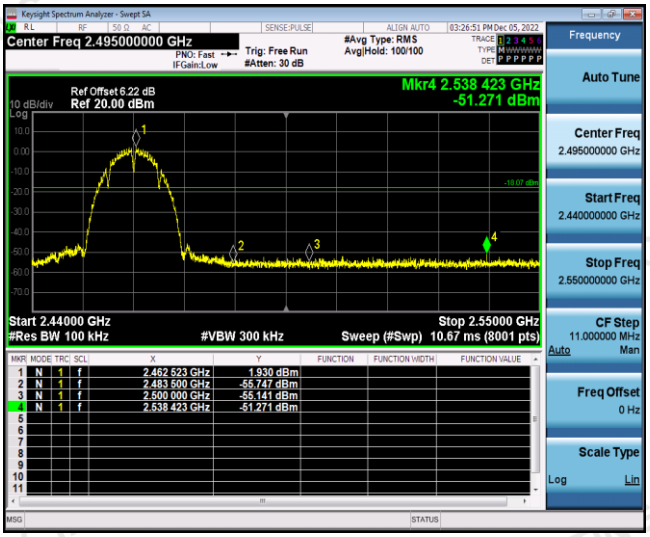
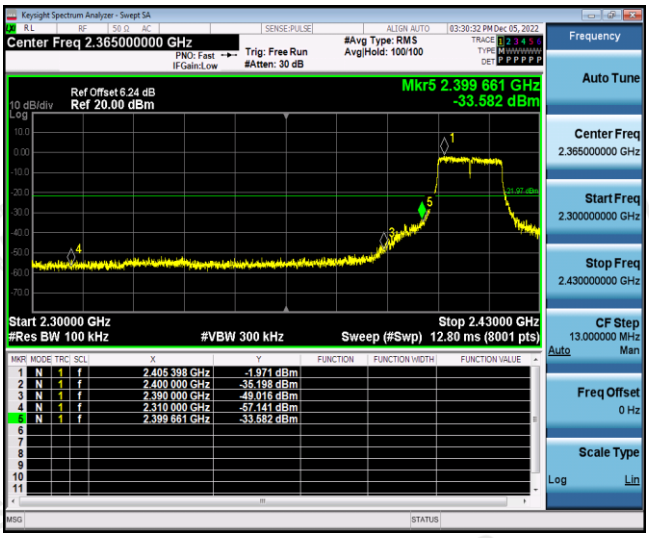
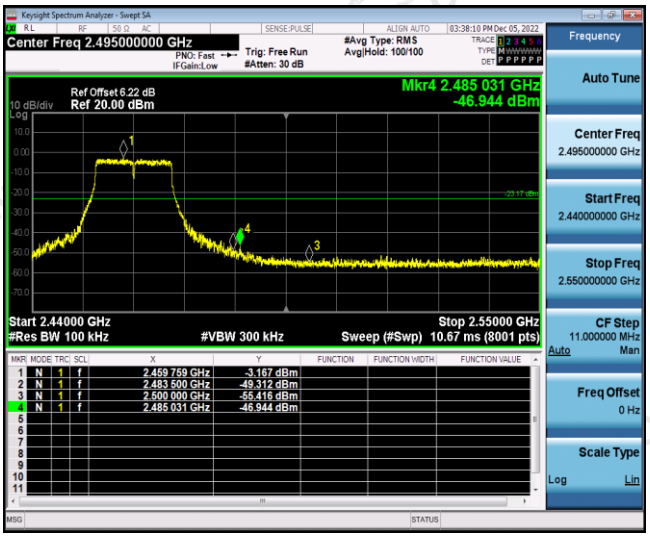


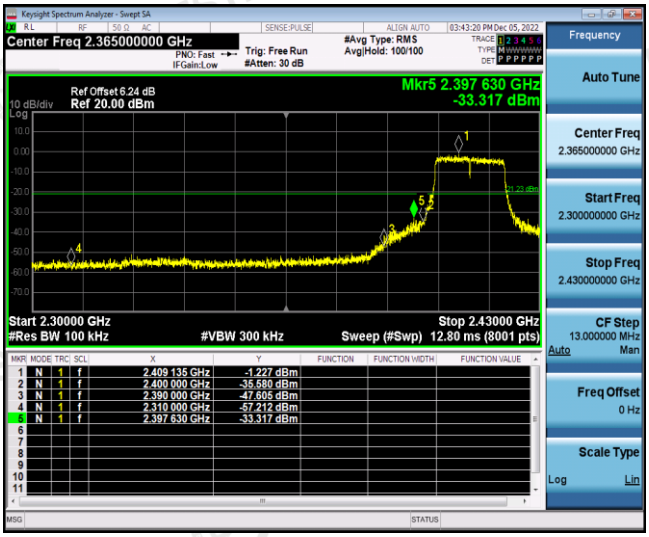
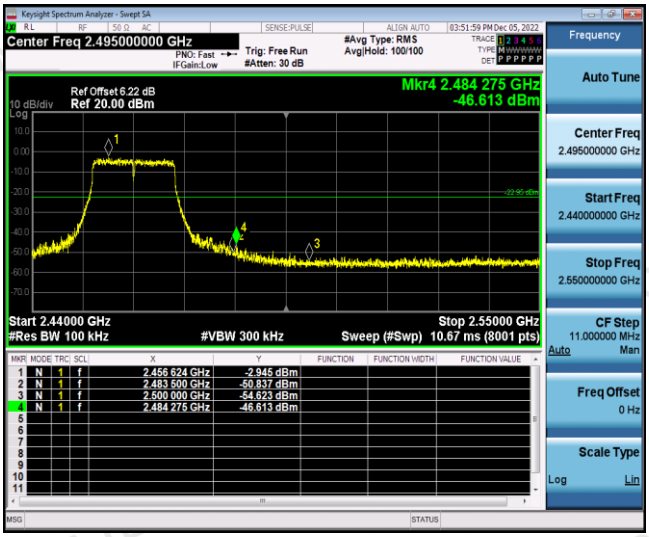
1GHz -25GHz



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

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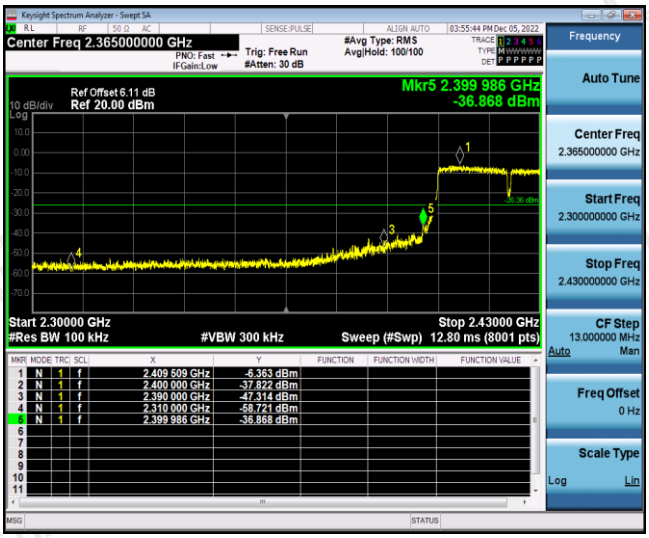
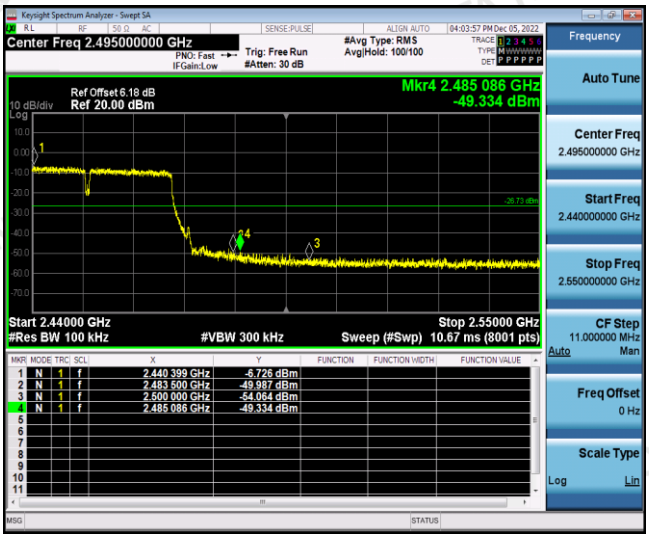
	
Left bandedge	Right bandedge

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):

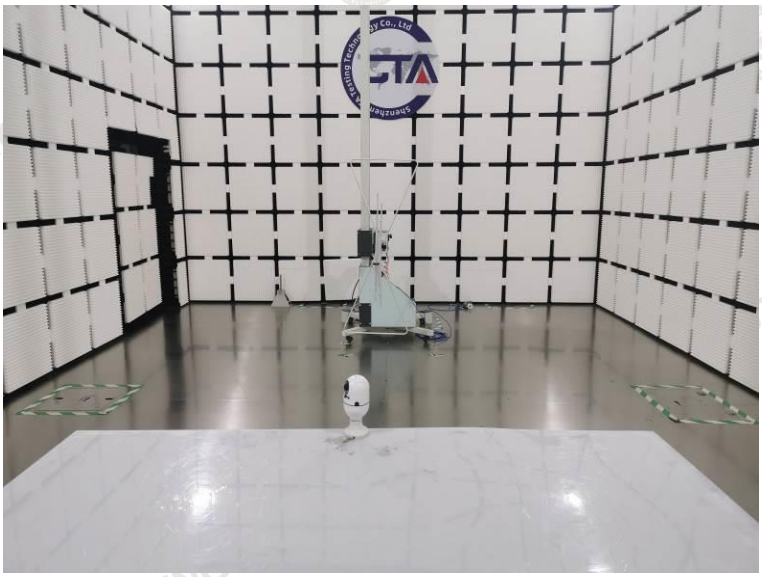
(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional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

Test Result:

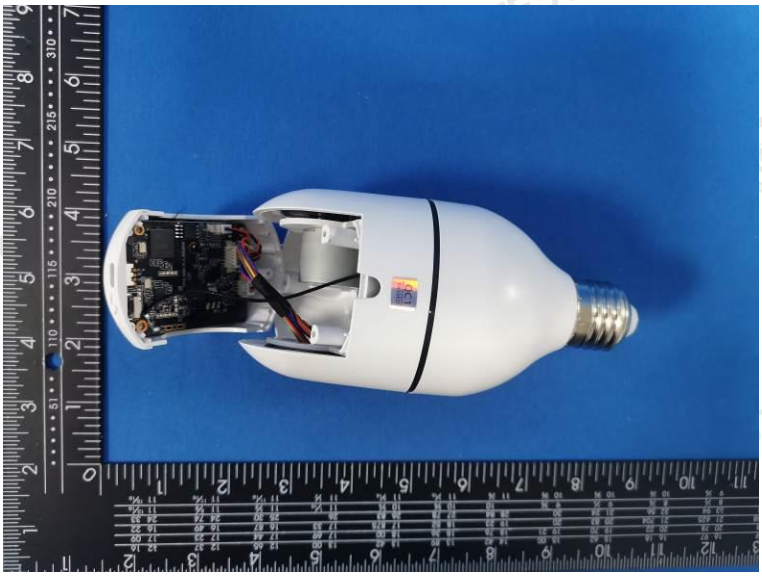
The maximum gain of antenna was 2.44 dBi.

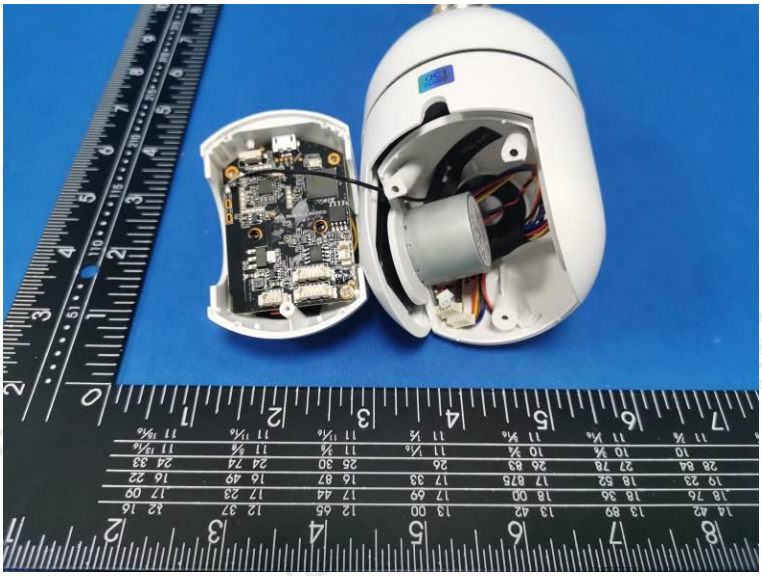
Remark:The antenna gain is provided by the customer , if the data provided by the customer is not accurate, Shenzhen CTA Testing Technology Co., Ltd. does not assume any responsibility.

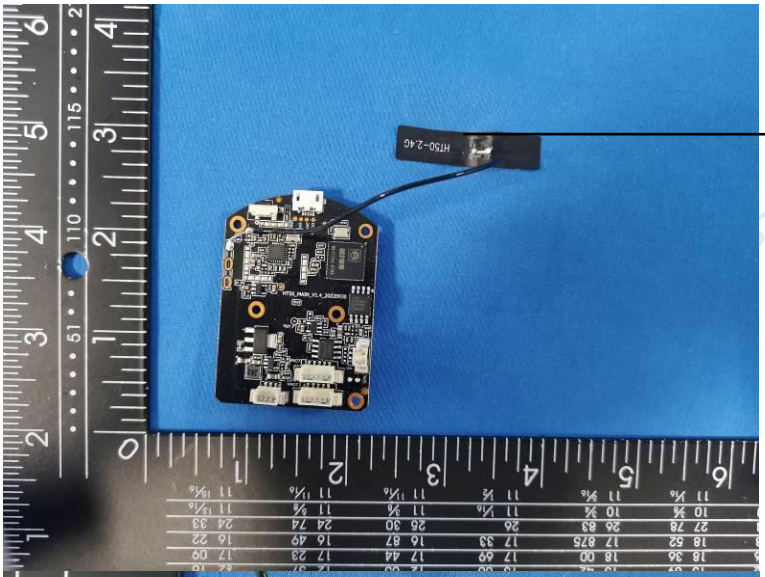
5 Test Setup Photos of the EUT

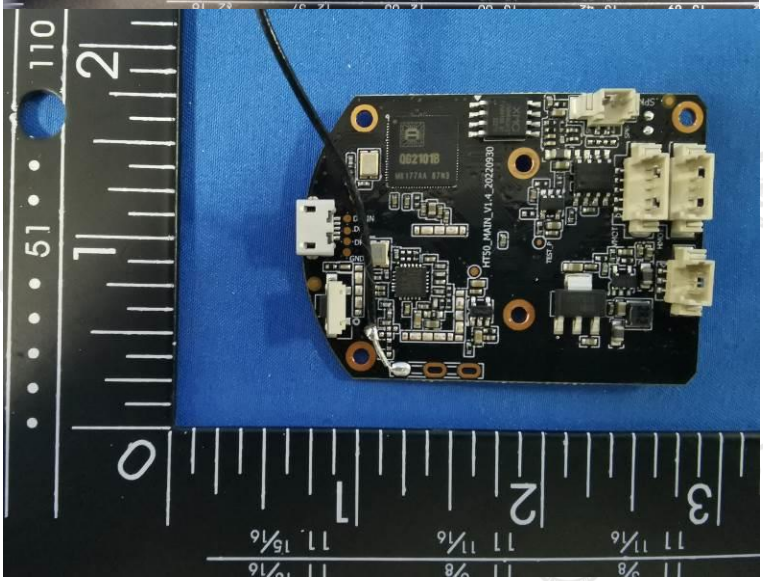


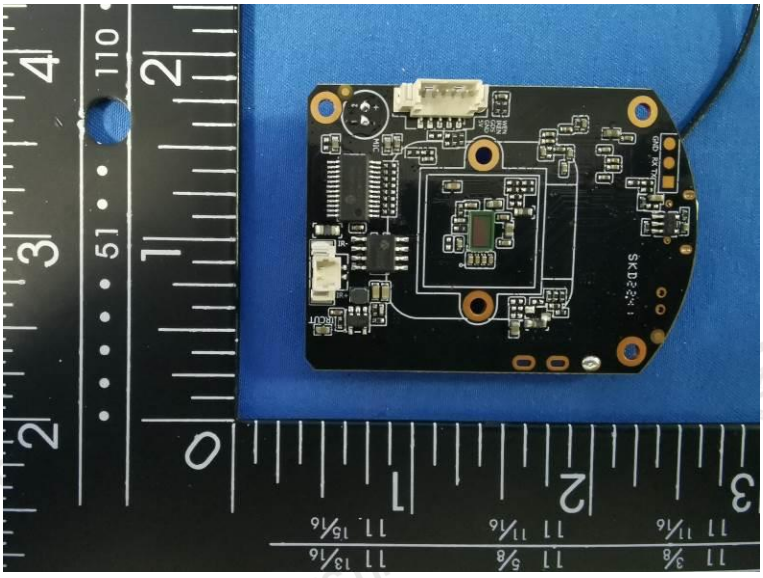
6 Photos of the EUT

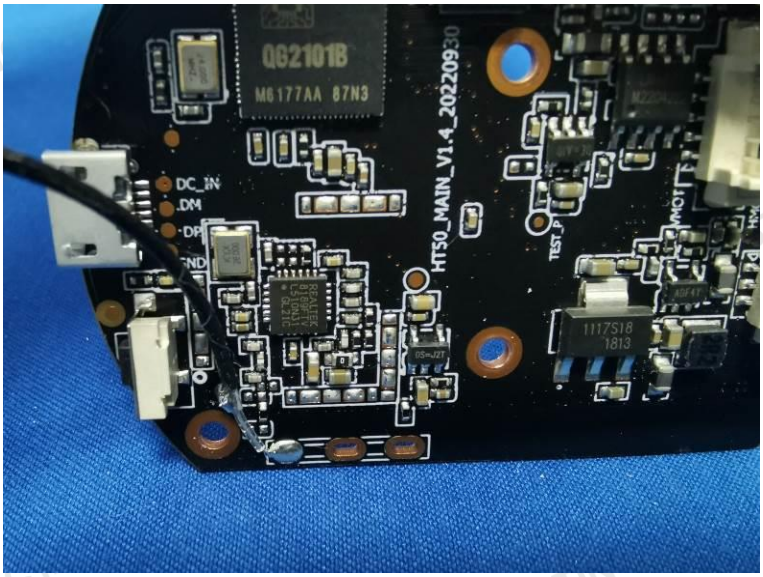





Antenna
HT50-2.4G



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GND
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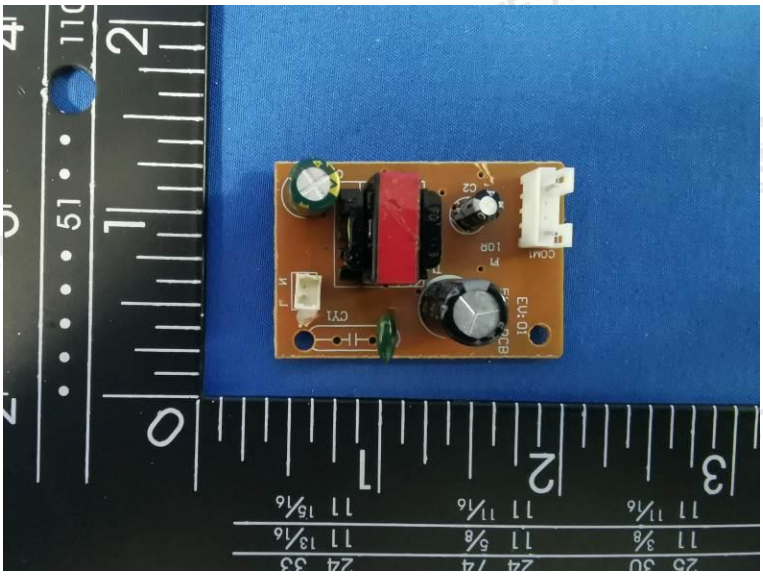
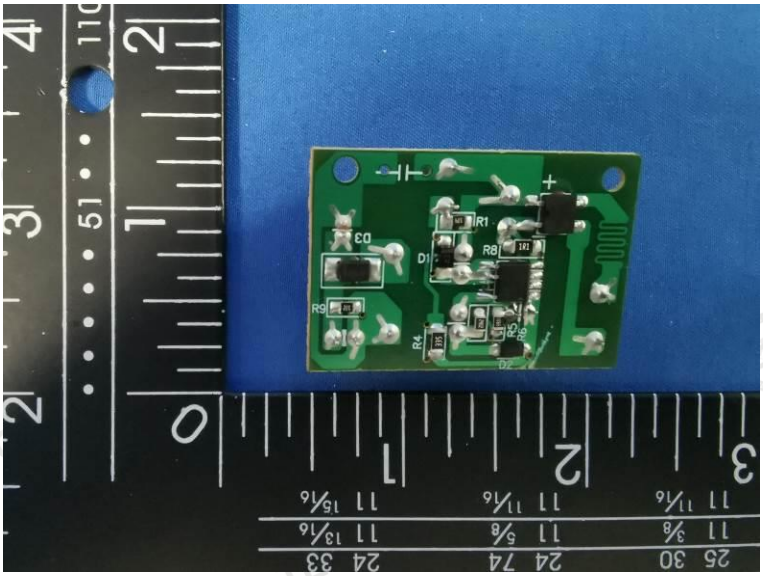
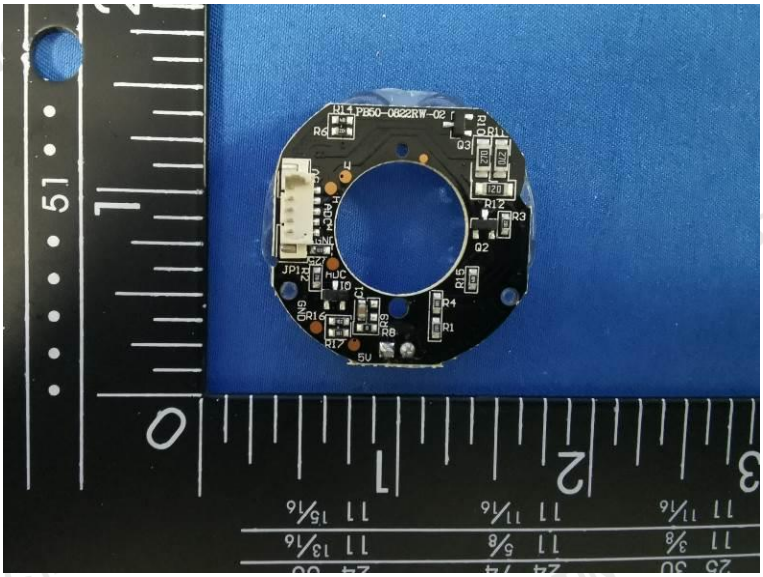
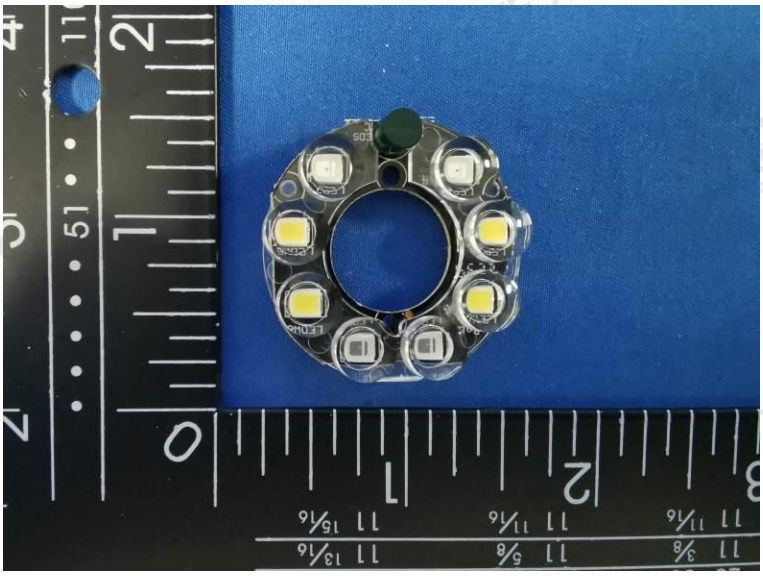
TEST_P
1117S18
1813









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