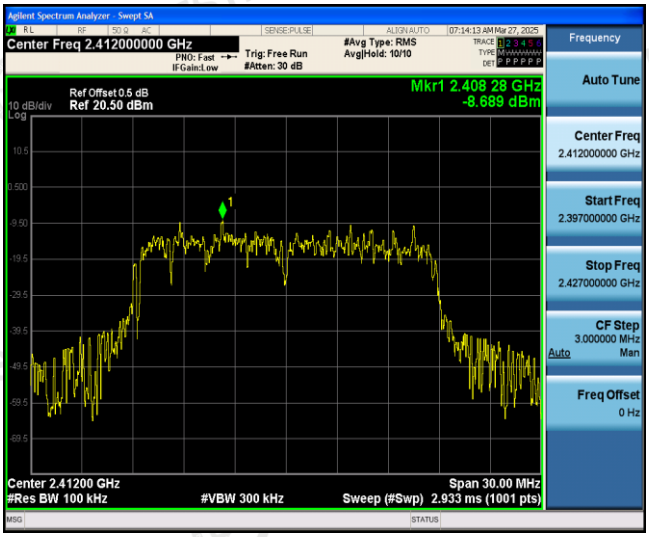
802.11n20



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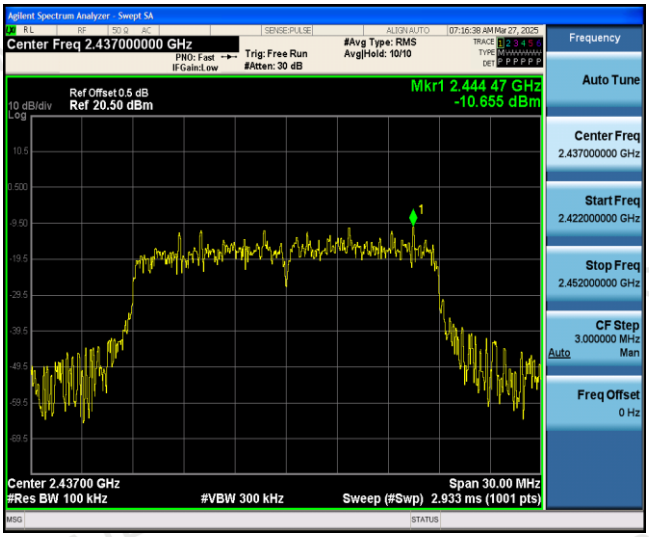

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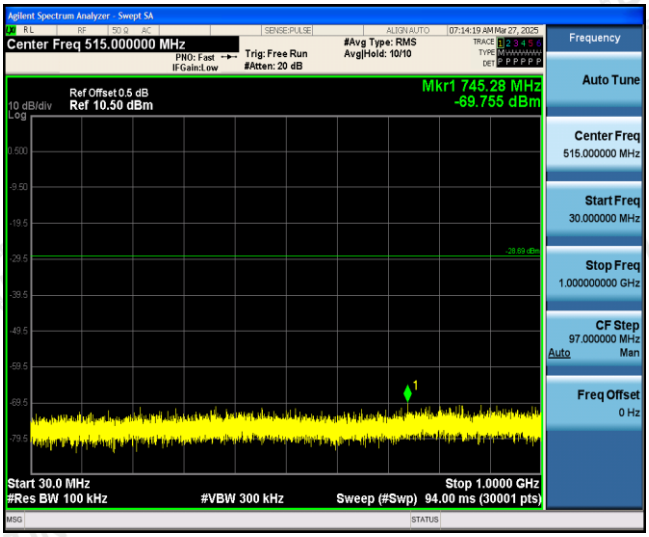
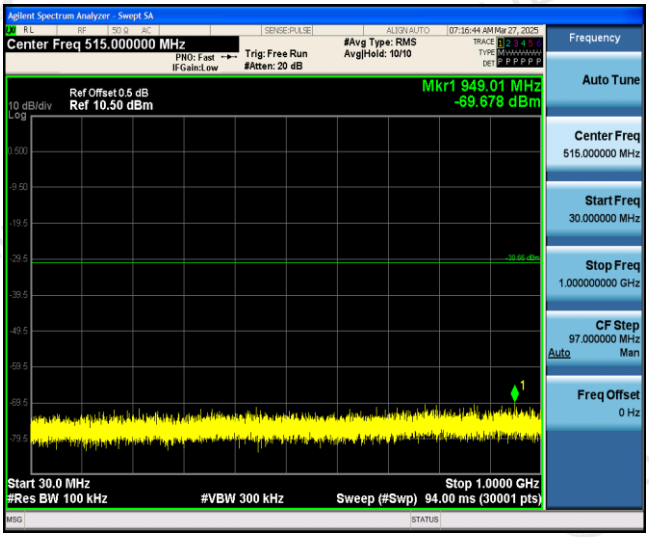
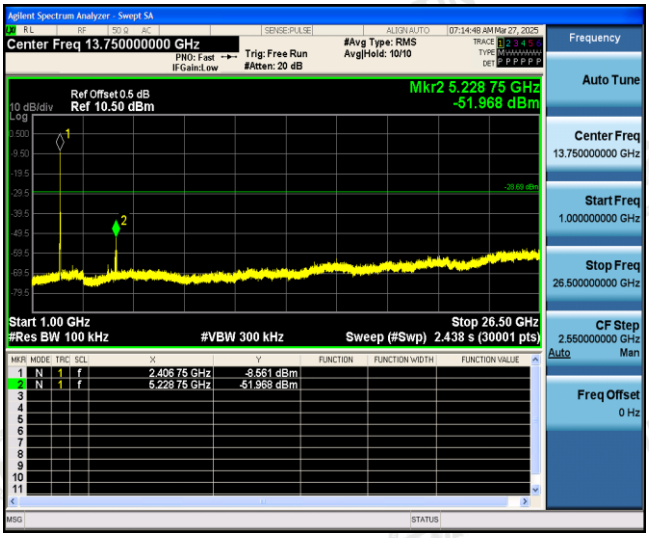


30MHz-3GHz

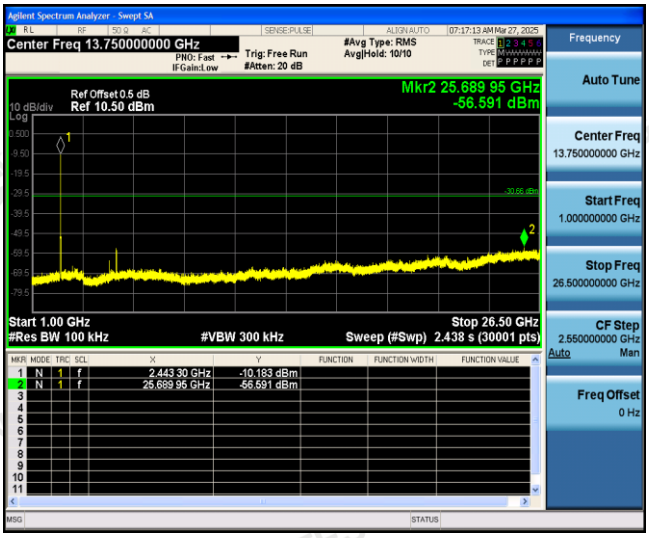
CH06



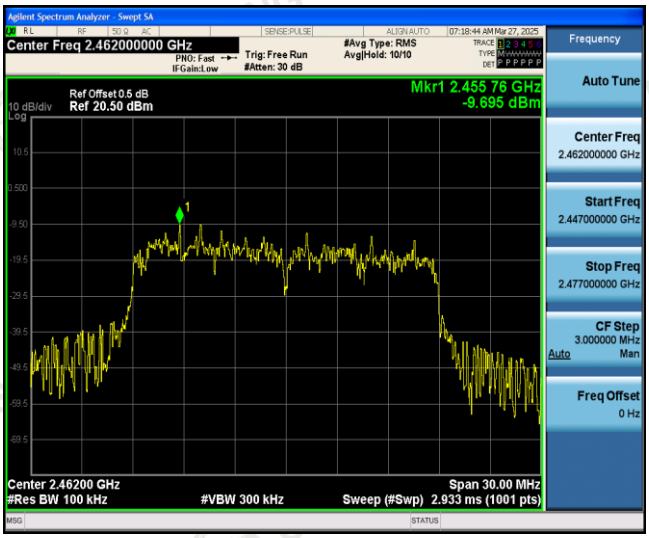
30MHz-3GHz



1GHz -25GHz



1GHz -25GHz

802.11n20	
	
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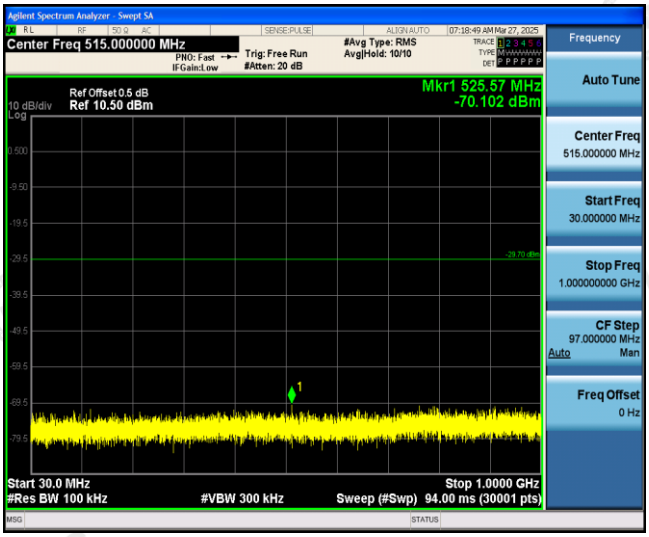	
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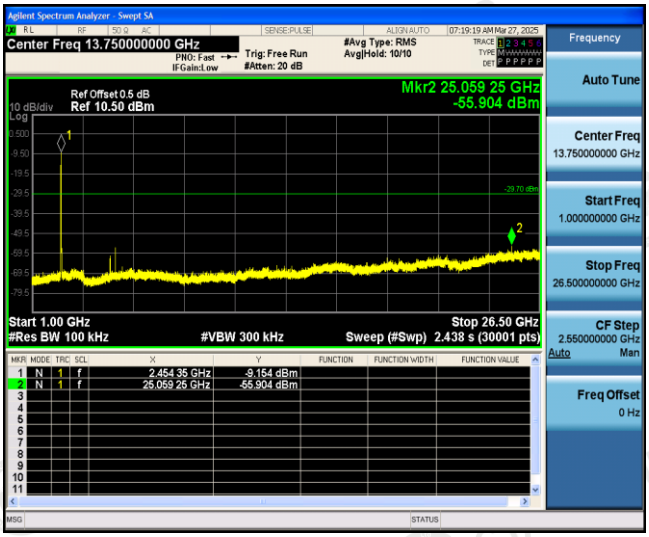
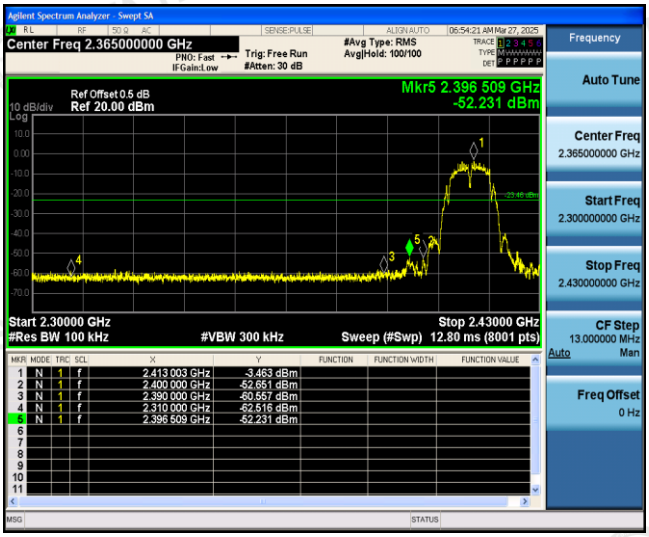
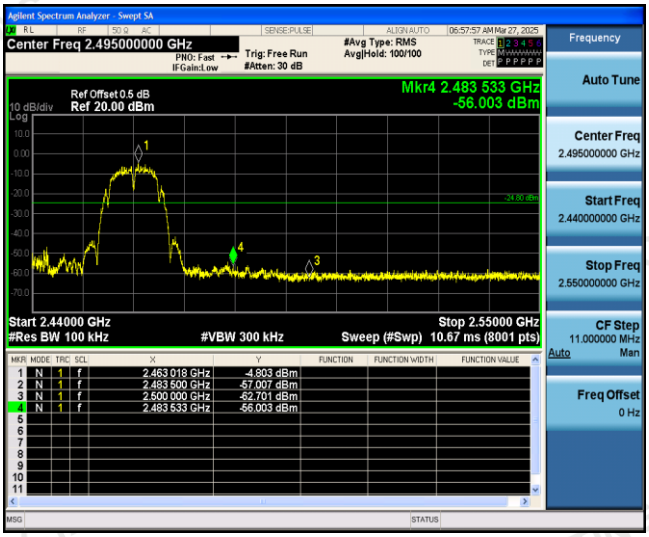
	
1GHz -25GHz	

Band-edge Measurements for RF Conducted Emissions:

802.11b

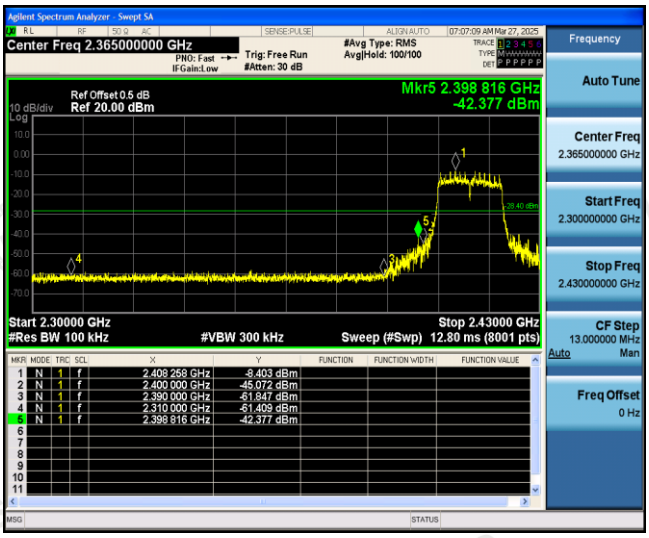


Left bandedge

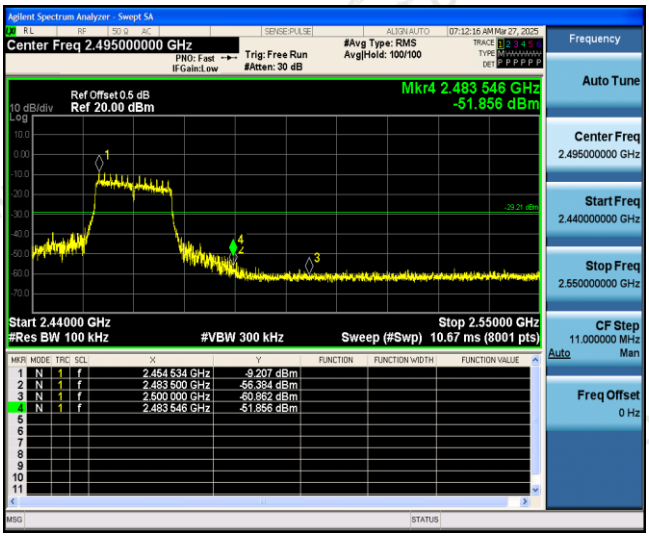


Right bandedge

802.11g

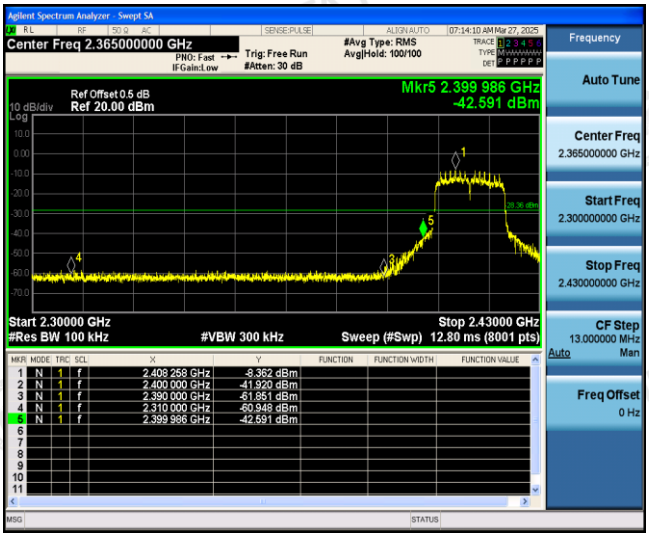


Left bandedge

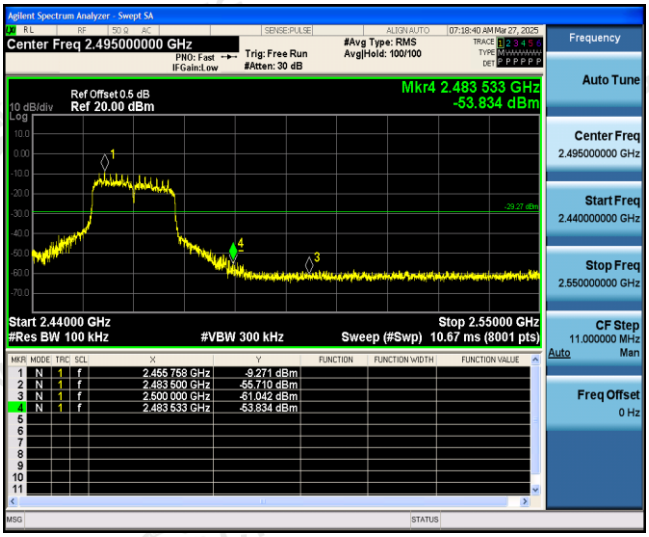


Right bandedge

802.11n(HT20)



Left bandedge



Right bandedge

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):

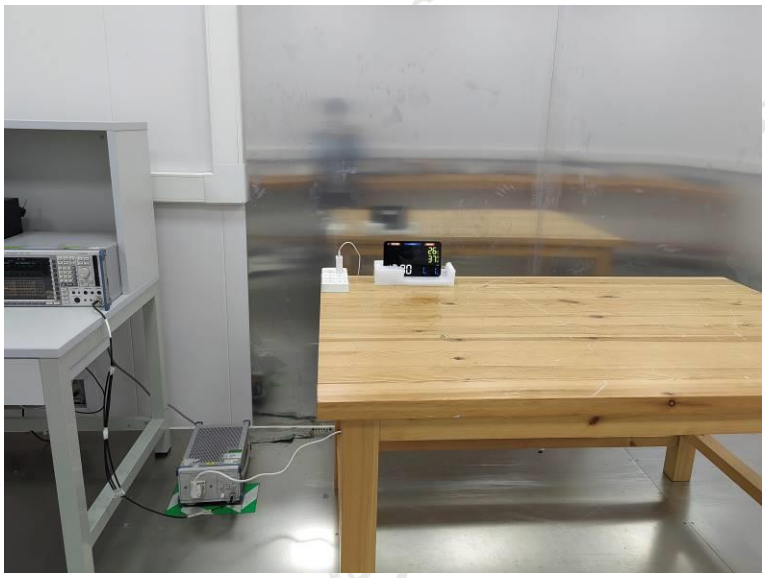
(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional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

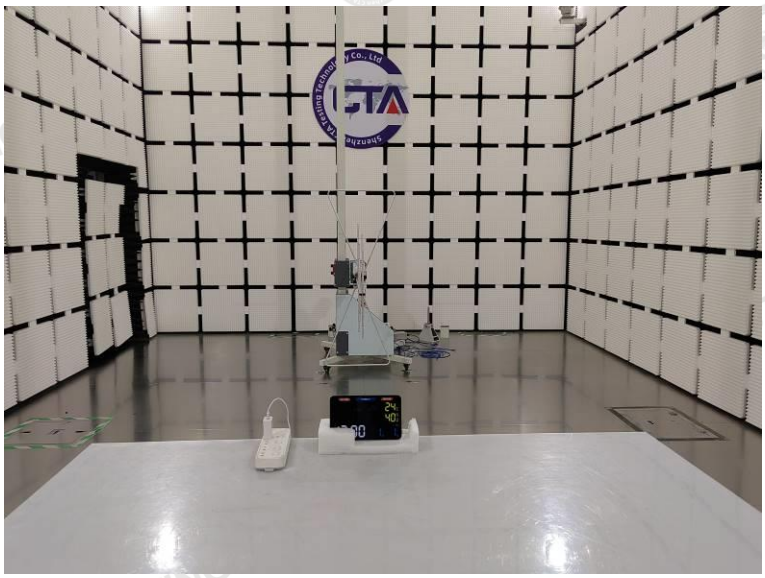
Test Result:

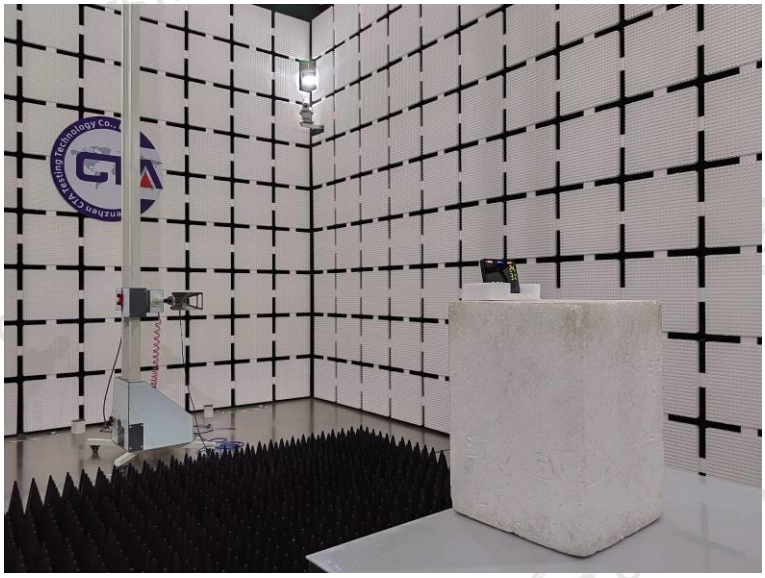
The maximum gain of antenna was 0.80 dBi.

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.

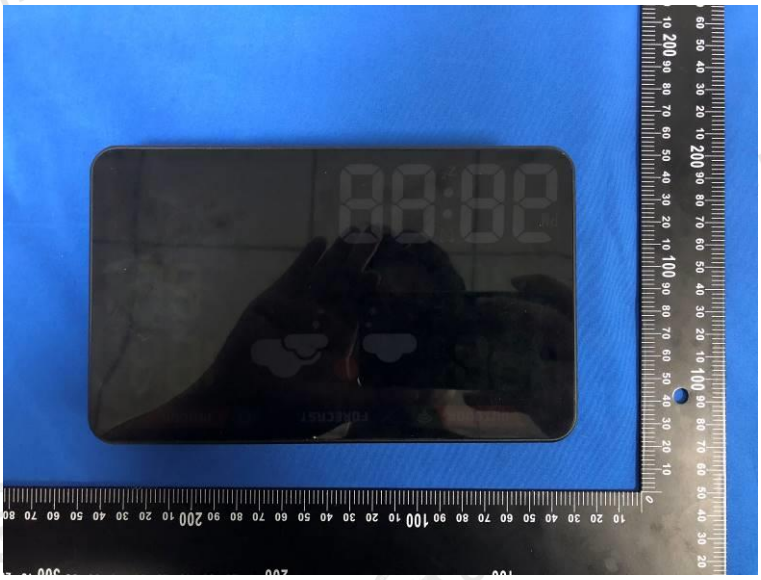
5 Test Setup Photos of the EUT

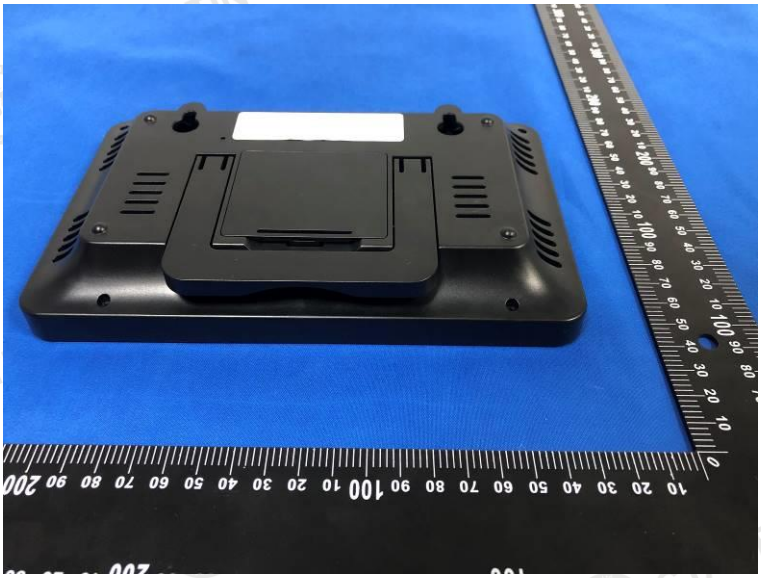


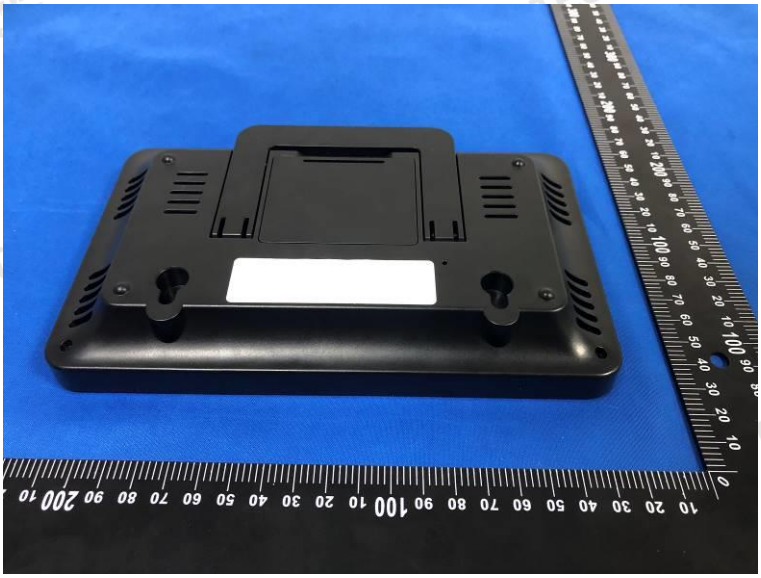


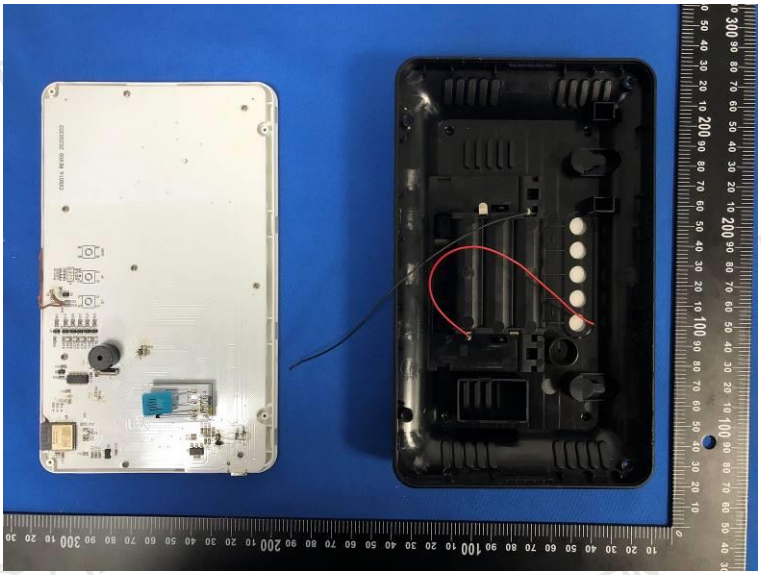


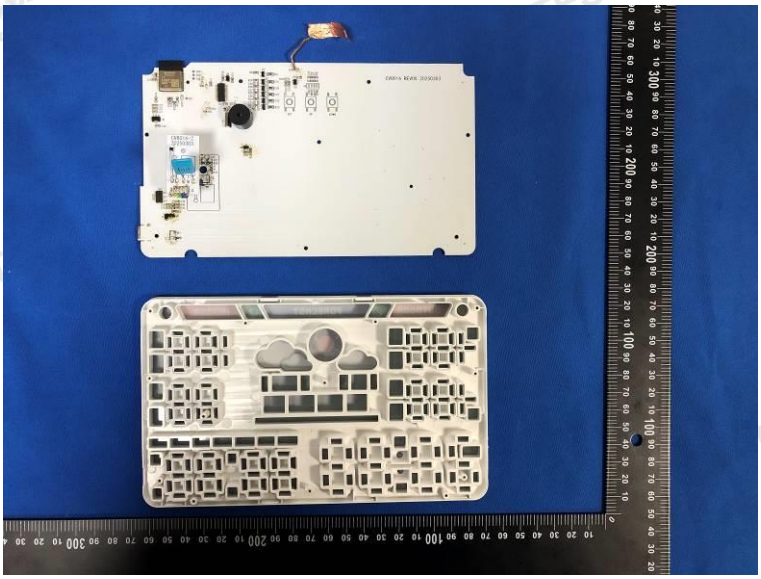
6 Photos of the EUT

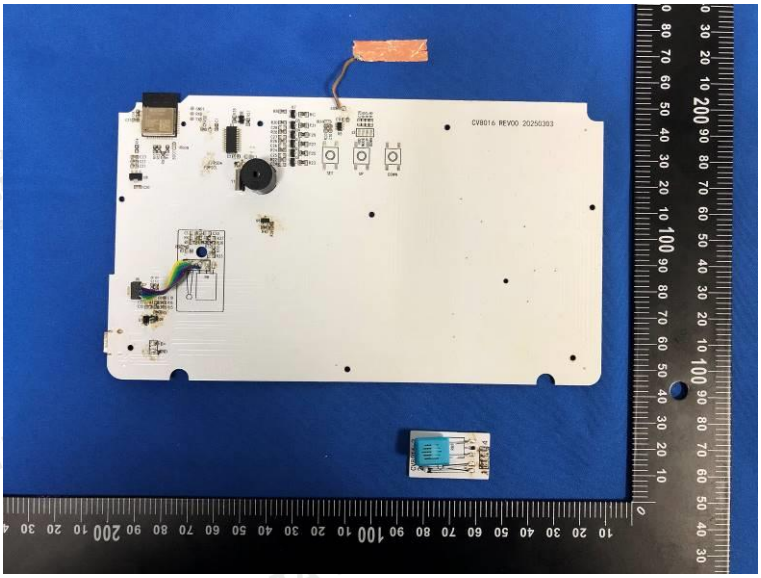


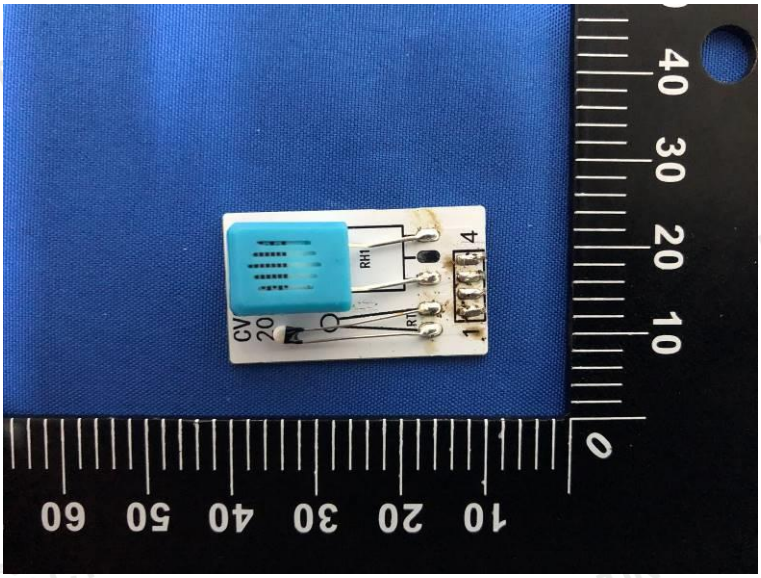









CVB016 REVO0 20250303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RT
4
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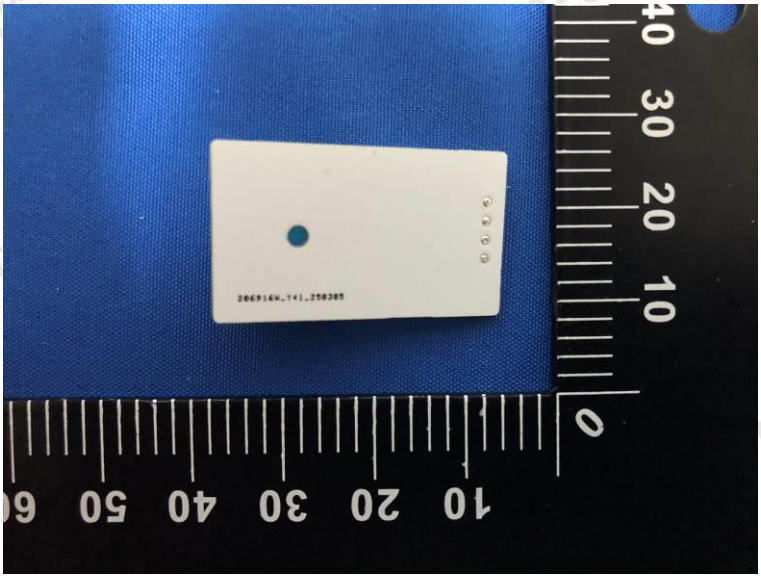
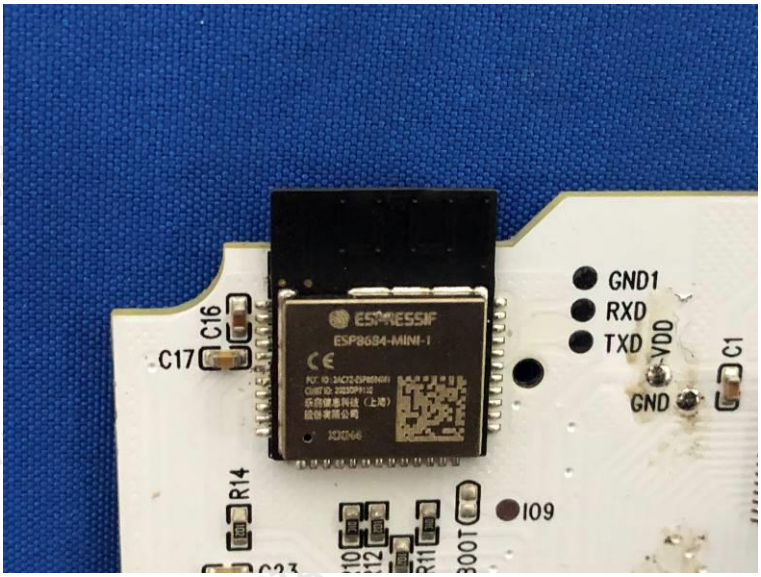
30
20
10
0
10
20
30
40
50
60


40
30
20
10
0
10
20
30
40
50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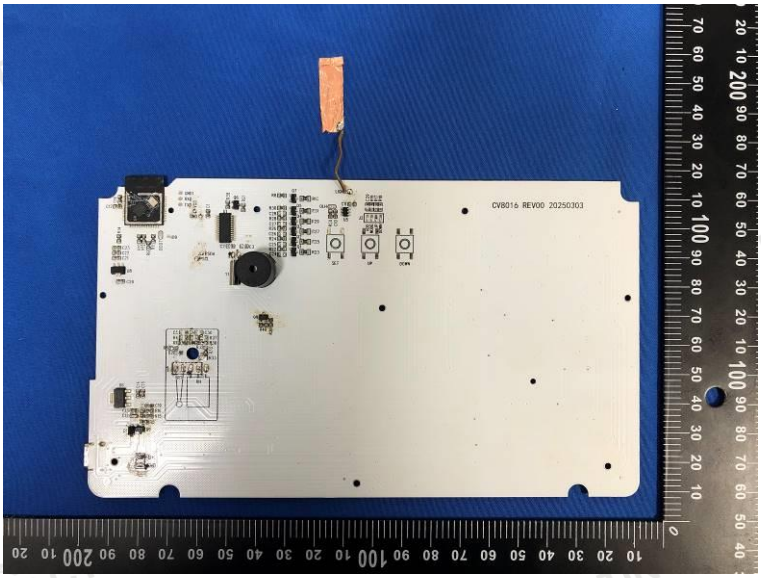
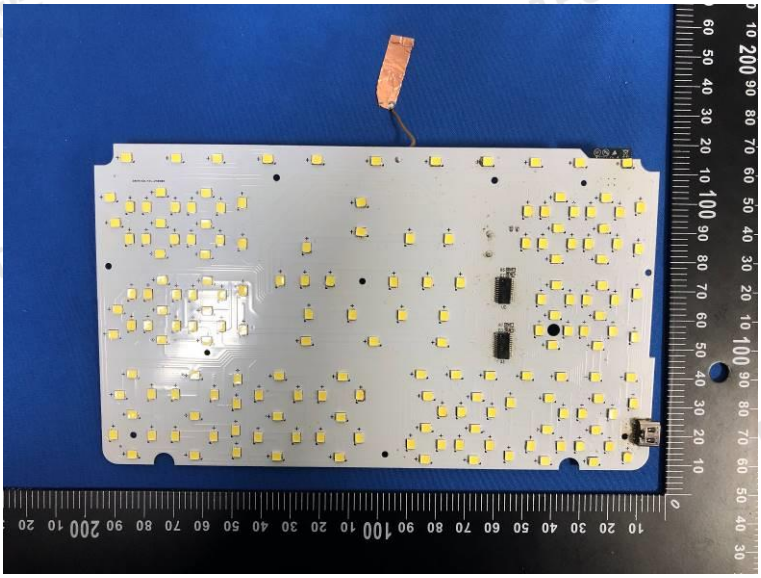
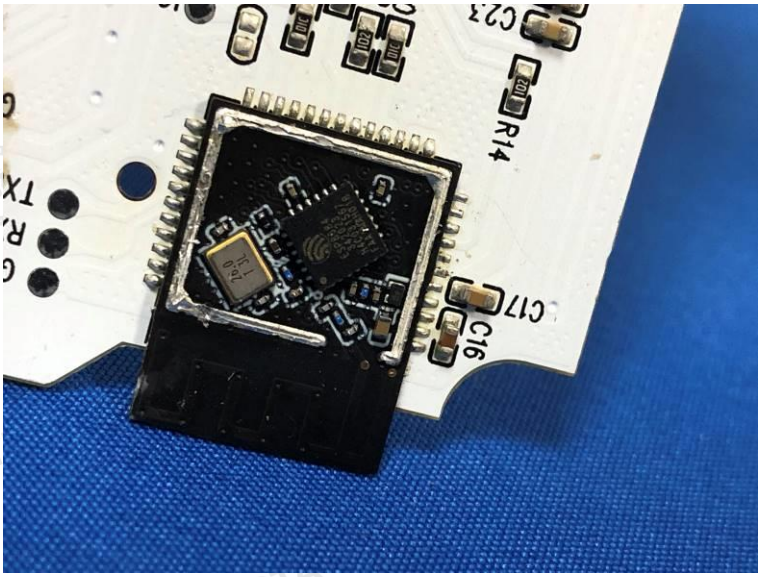
TXD
VDD
GND
C1
C16
C17
ESPRESSIF
ESP8684-MINI-1
R14
IO9
BOOT


CV8016 REV00 20250303




R14
C17
C16

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