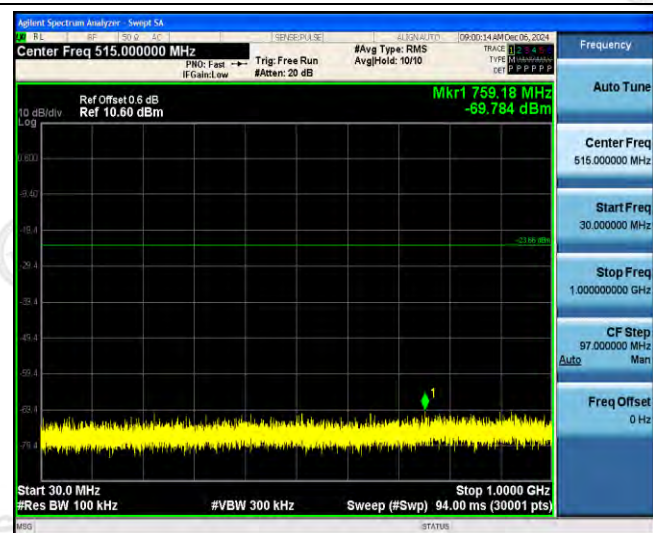
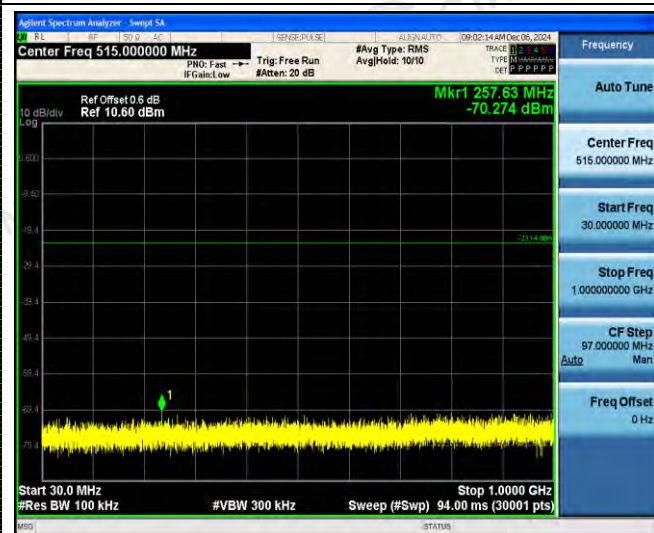


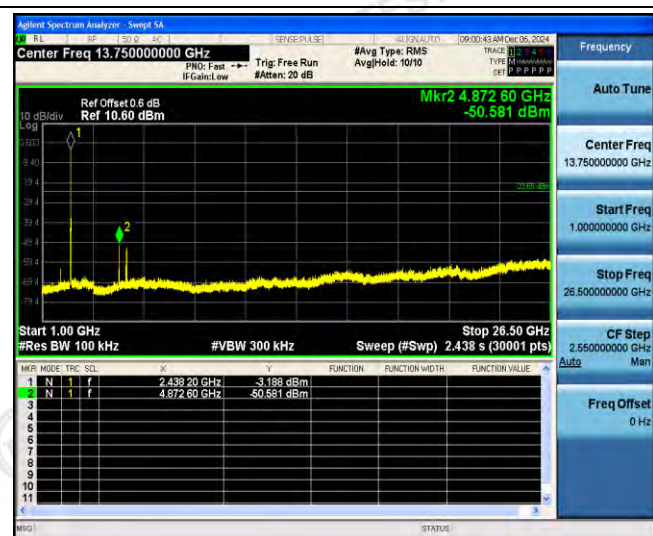
## 802.11g

Reference  
CH06Reference  
CH11

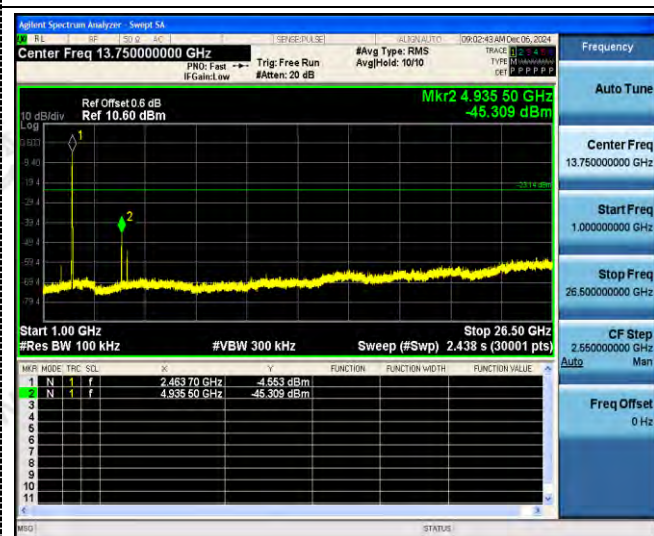
30MHz-3GHz



30MHz-3GHz



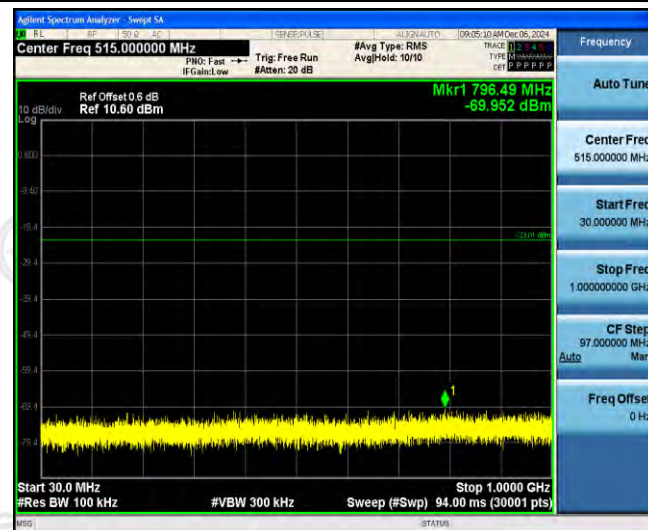
3GHz -25GHz



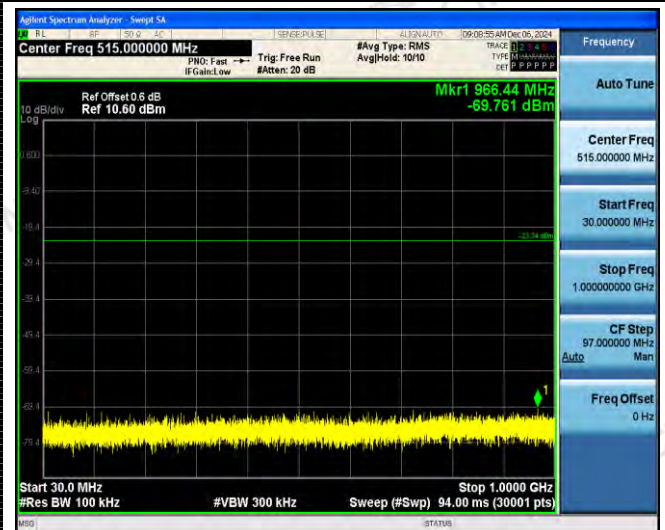
3GHz -25GHz



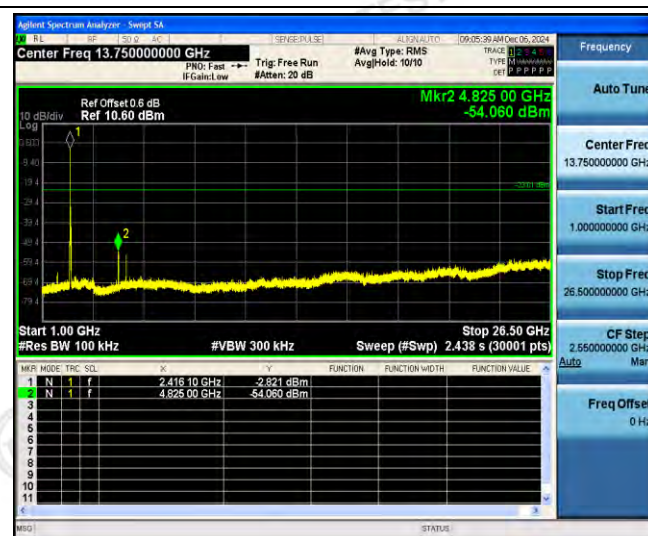
## 802.11n20

Reference  
CH01Reference  
CH06

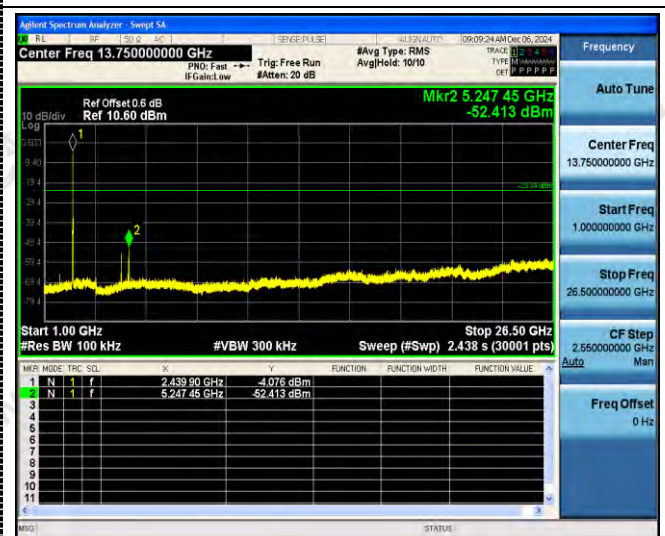
30MHz-3GHz



30MHz-3GHz

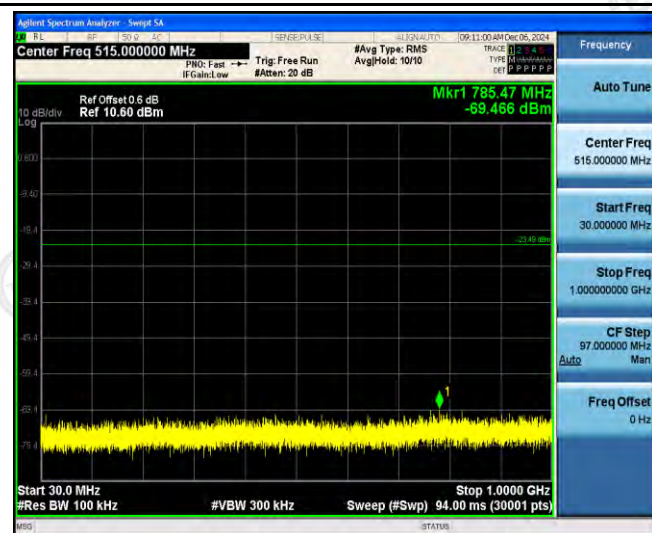


3GHz -25GHz

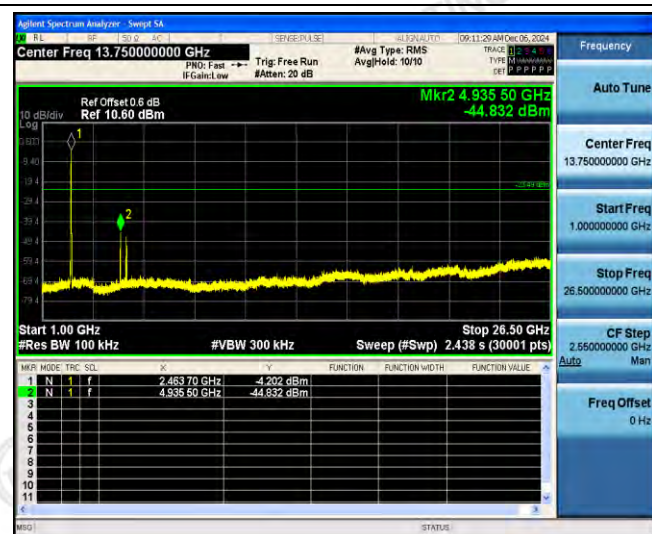


3GHz -25GHz

## 802.11n20

Reference  
CH11

## 30MHz-3GHz

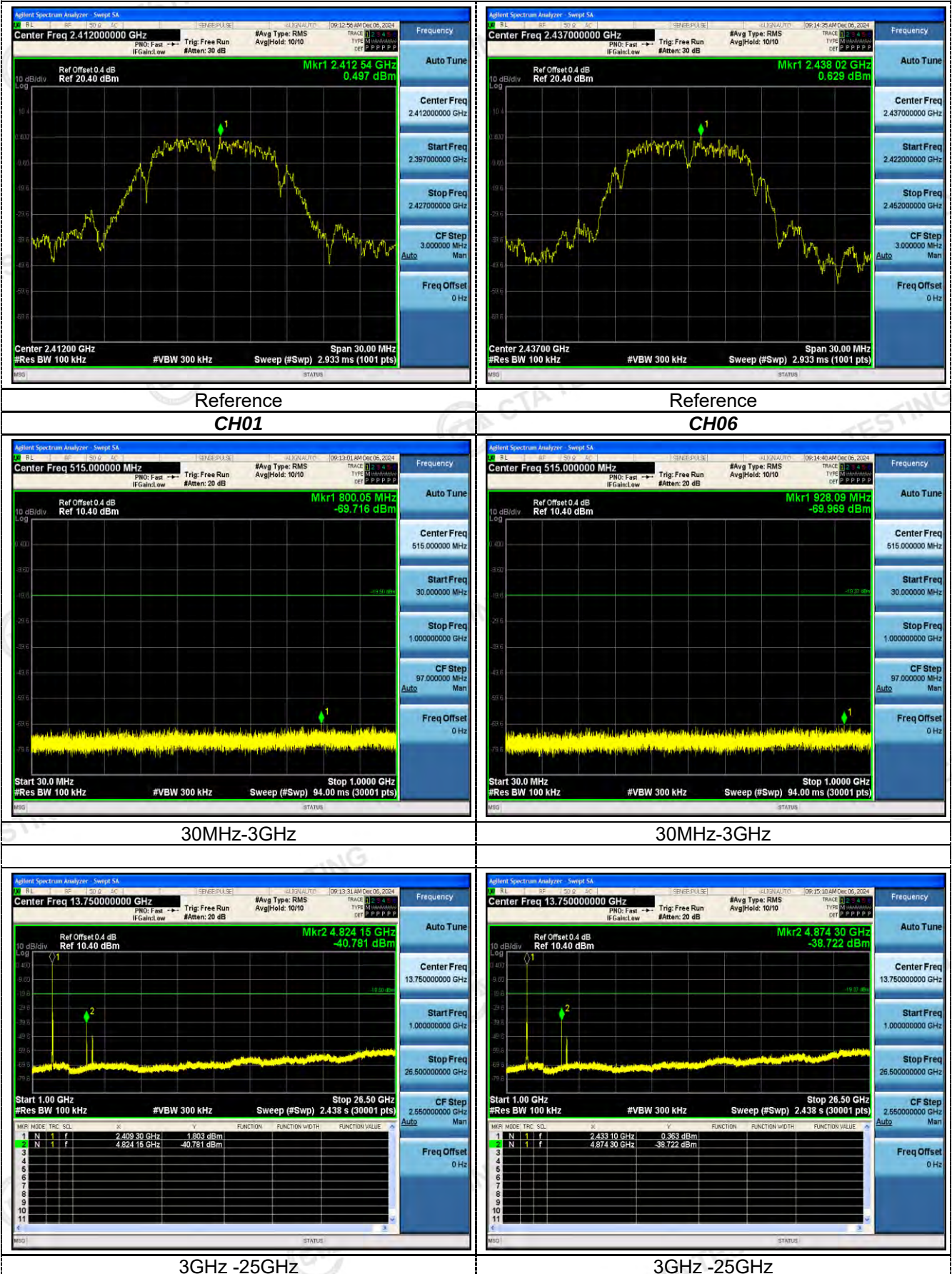


## 3GHz -25GHz



## ANT 4:

## 802.11b

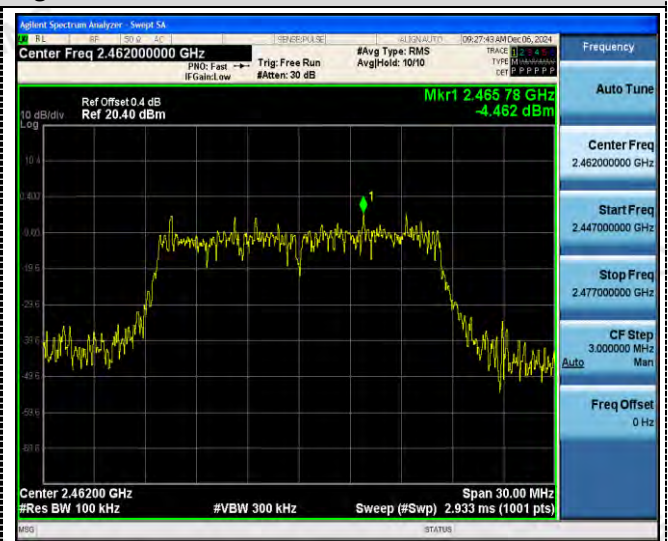
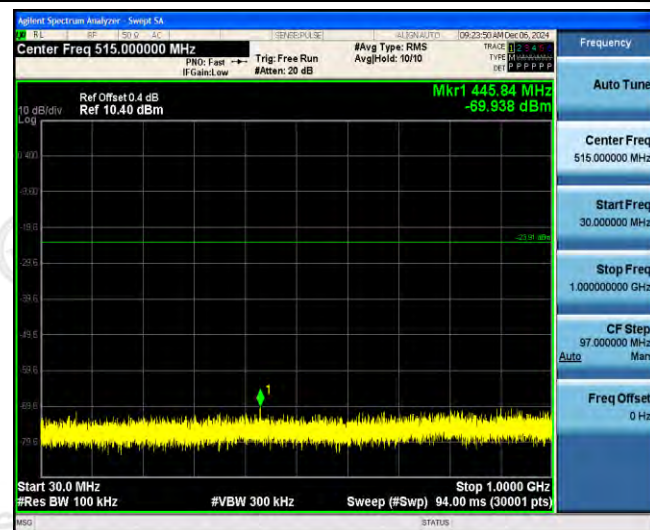




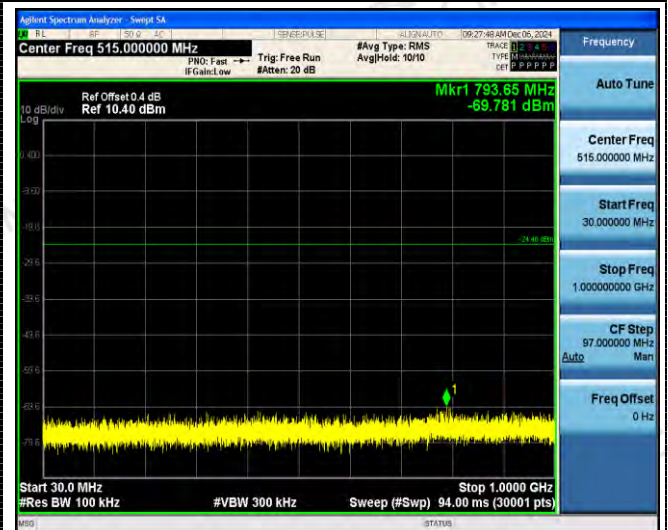




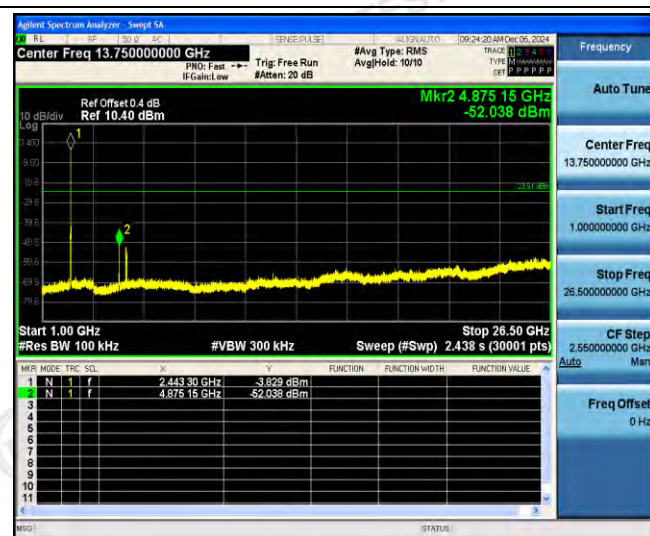
## 802.11g

Reference  
CH06Reference  
CH11

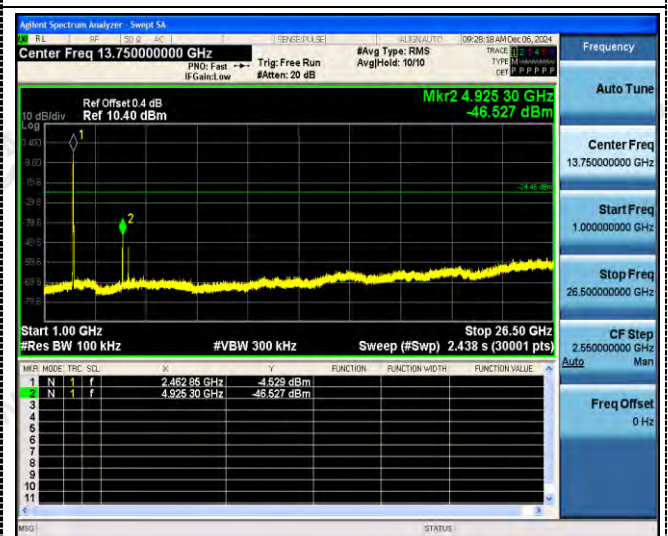
30MHz-3GHz



30MHz-3GHz



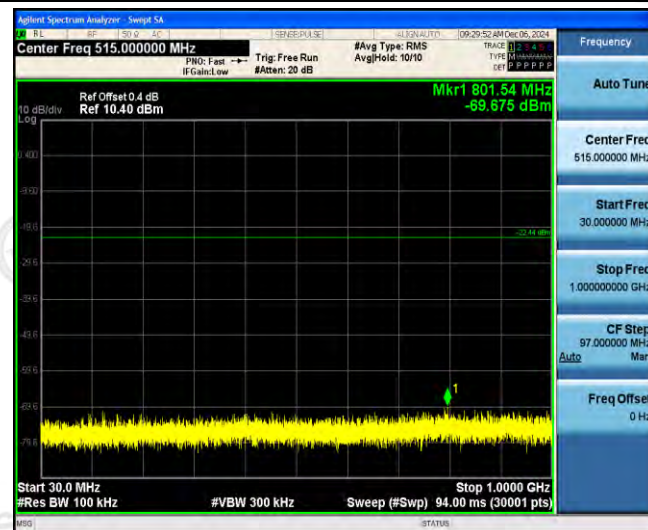
3GHz-25GHz



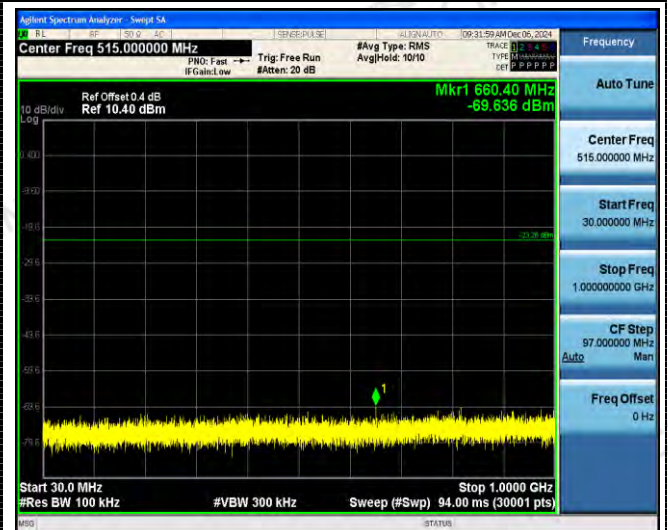
3GHz-25GHz



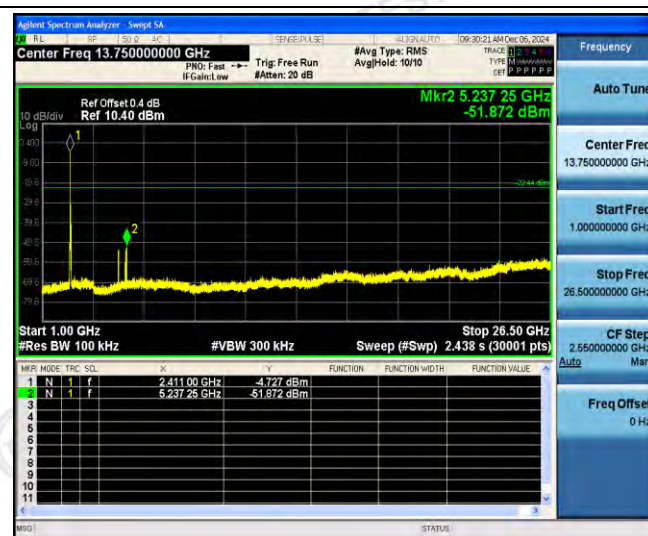
## 802.11n20

Reference  
CH01Reference  
CH06

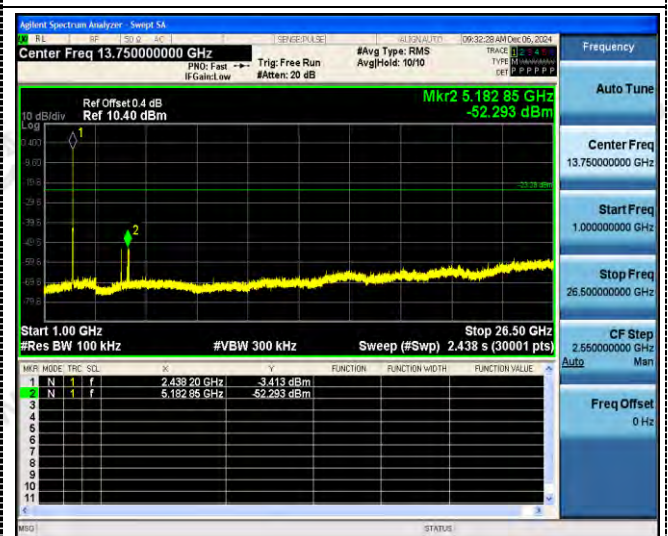
30MHz-3GHz



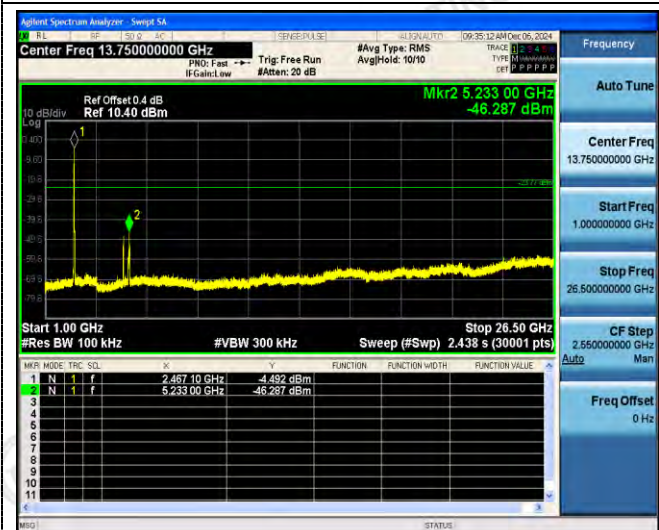
30MHz-3GHz



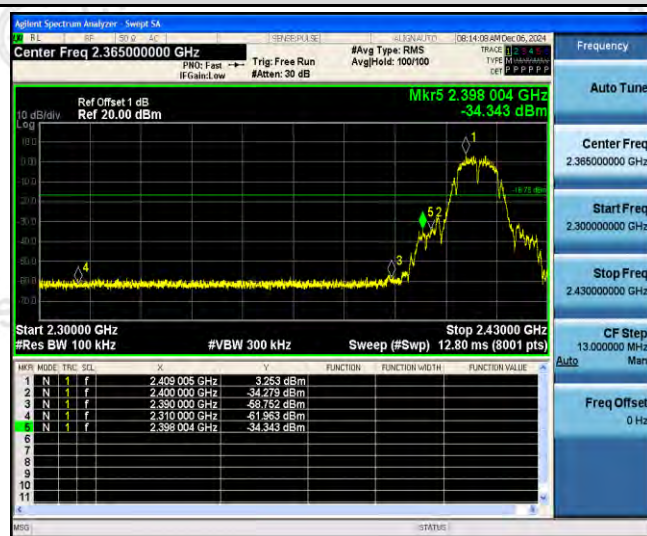
3GHz -25GHz



3GHz -25GHz

|                                                                                     |  |
|-------------------------------------------------------------------------------------|--|
| 802.11n20                                                                           |  |
|    |  |
| Reference<br>CH11                                                                   |  |
|   |  |
| 30MHz-3GHz                                                                          |  |
|  |  |
| 3GHz -25GHz                                                                         |  |



**Band-edge Measurements for RF Conducted Emissions:****ANT 1:****802.11b**

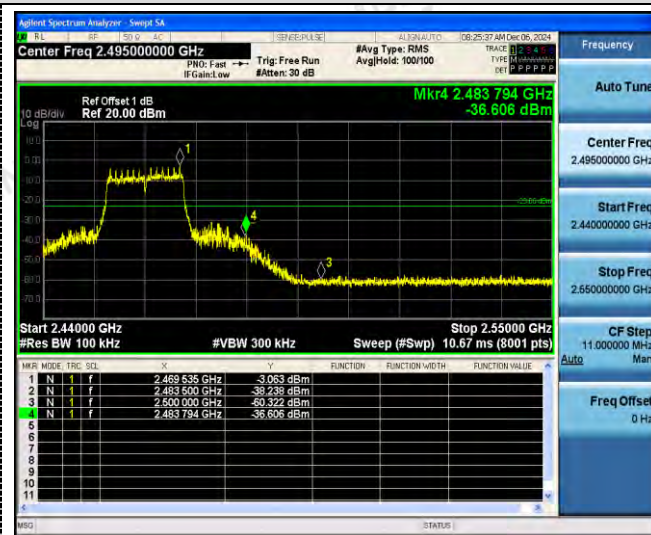
Left bandedge



Right bandedge

**802.11g**

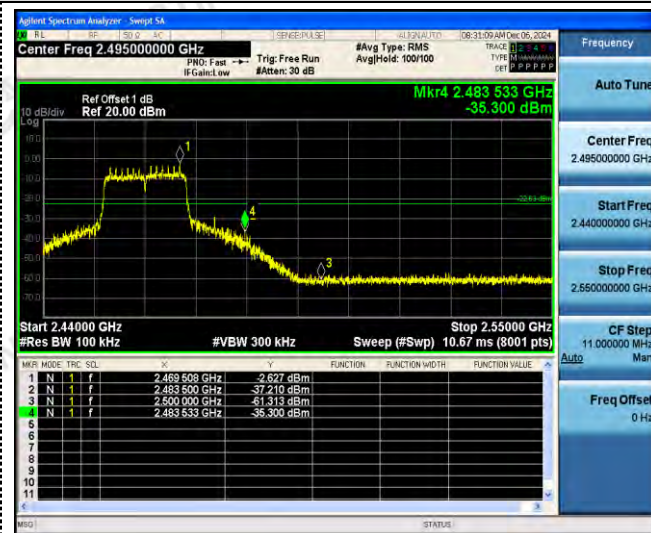
Left bandedge



Right bandedge

**802.11n(HT20)**

Left bandedge



Right bandedge

**Shenzhen CTA Testing Technology Co., Ltd.**

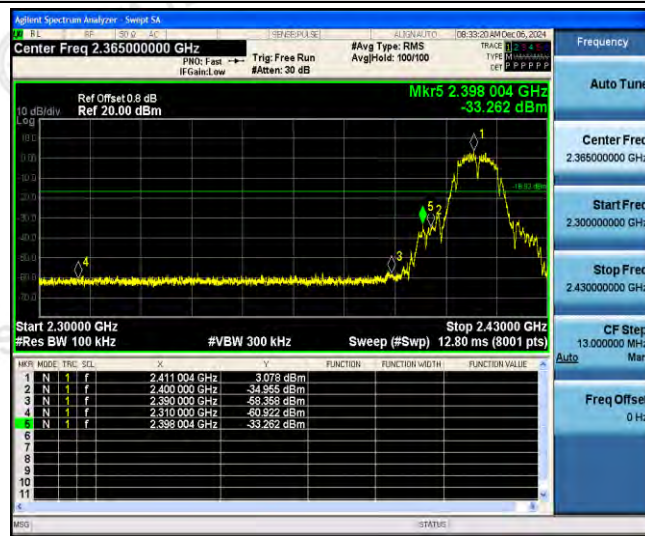
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

Tel: +86-755 2322 5875 E-mail: cta@cta-test.cn Web: http://www.cta-test.cn



## ANT 2:

## 802.11b

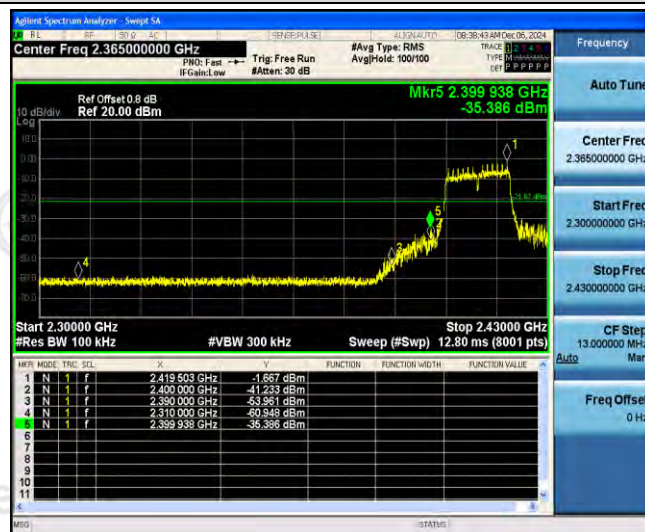


Left bandedge

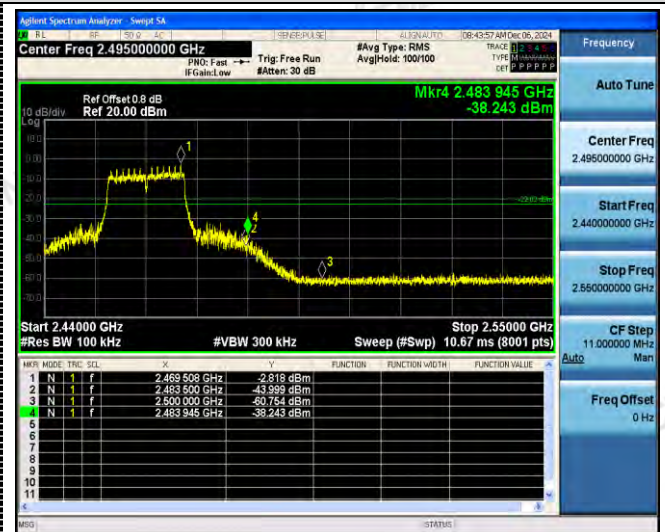


Right bandedge

## 802.11g

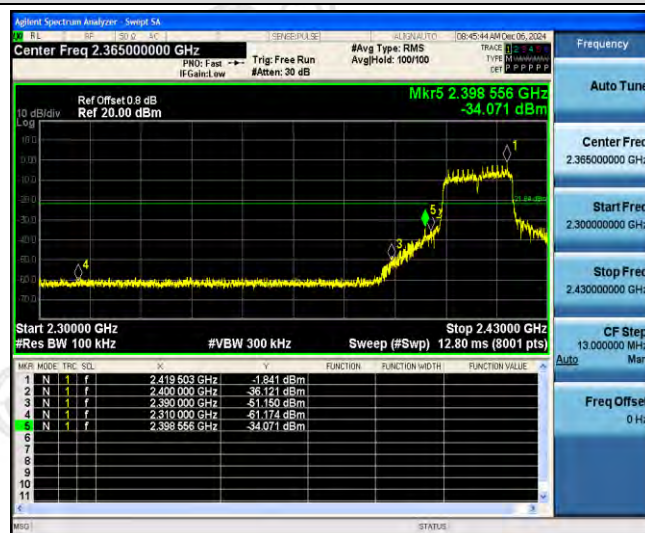


Left bandedge

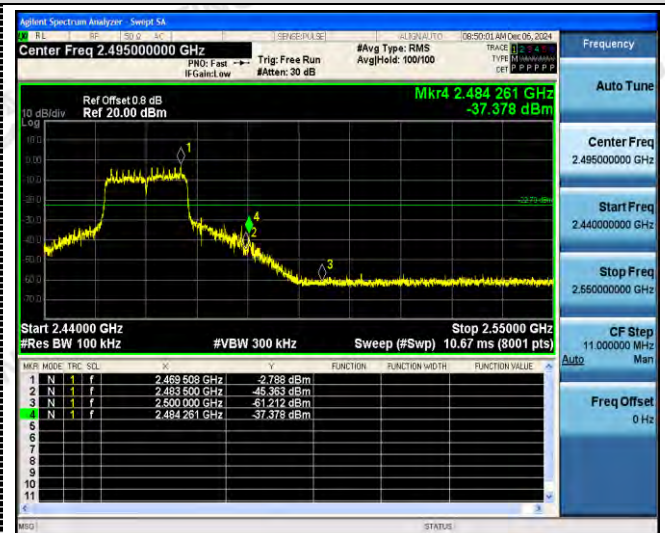


Right bandedge

## 802.11n(HT20)



Left bandedge

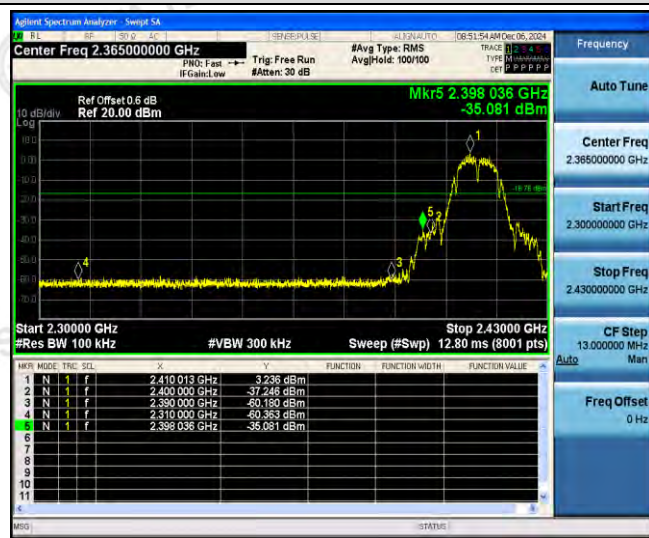


Right bandedge

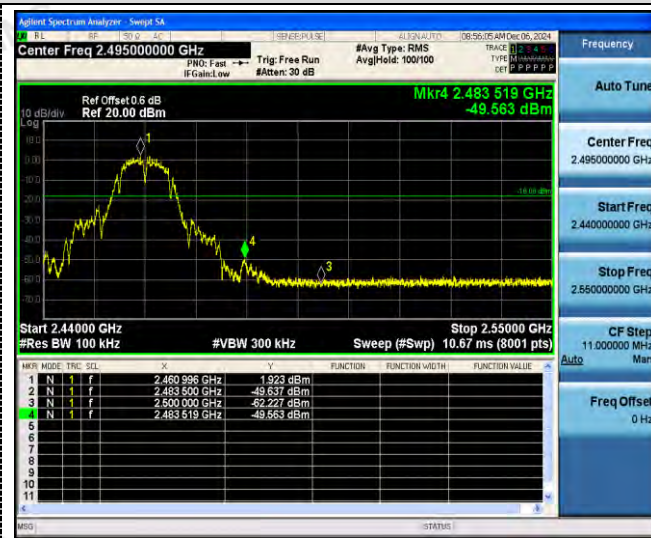


## ANT 3:

## 802.11b



Left bandedge

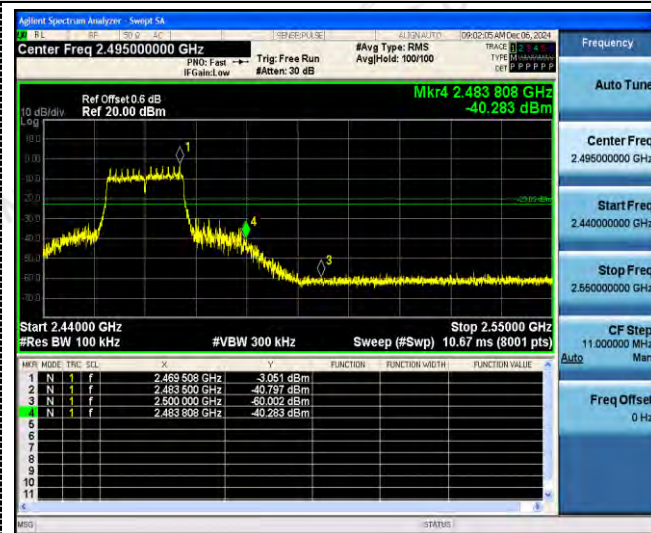


Right bandedge

## 802.11g

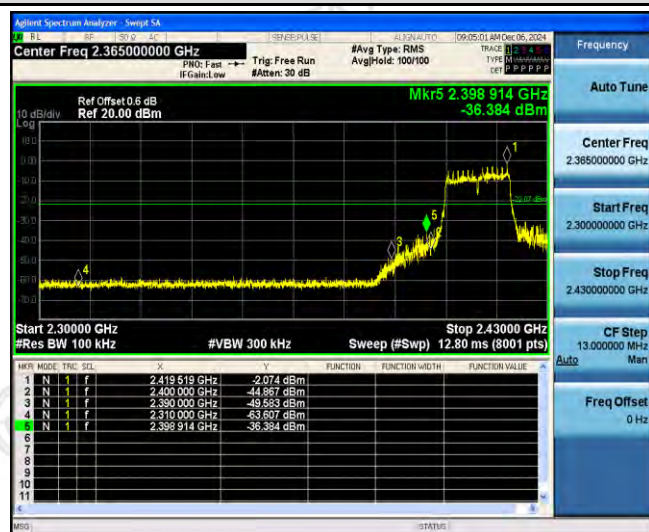


Left bandedge

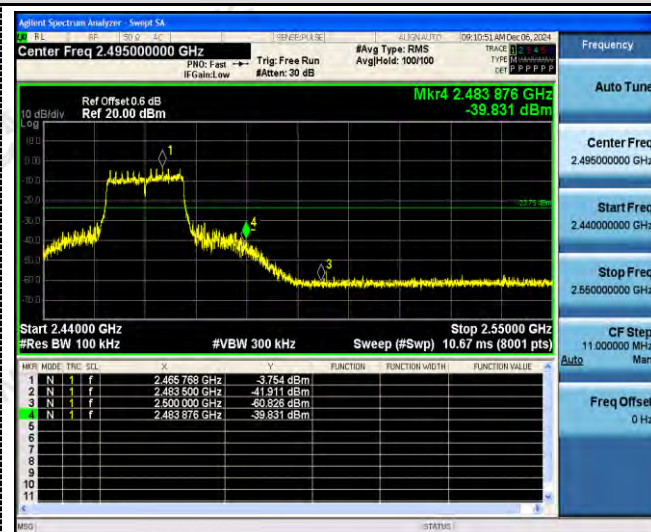


Right bandedge

## 802.11n(HT20)



Left bandedge

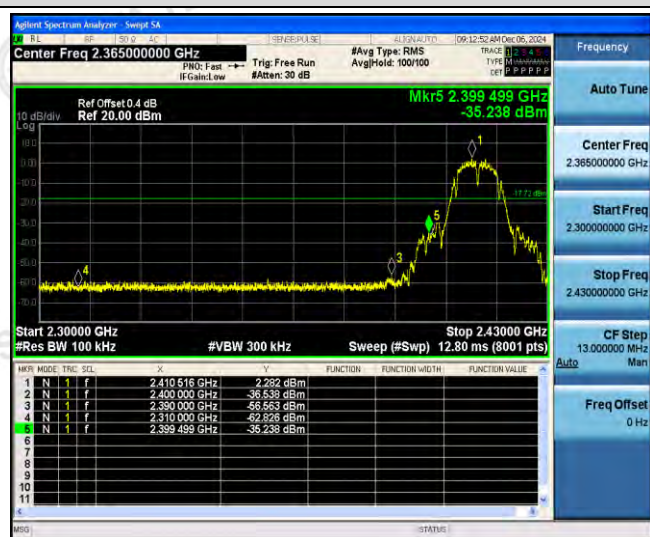


Right bandedge

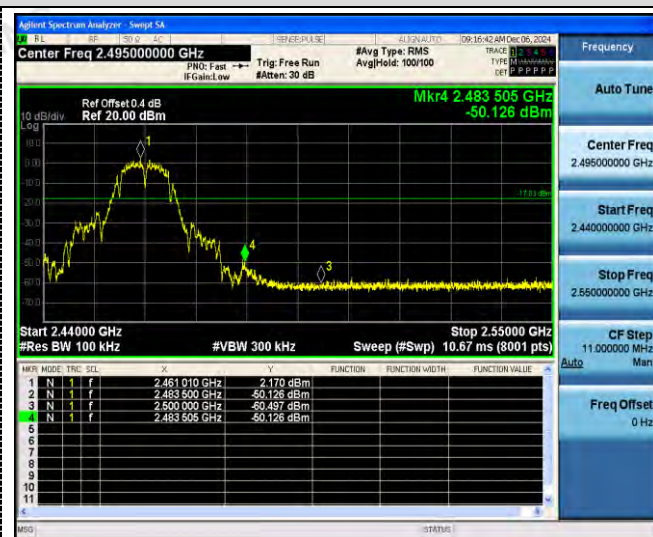


## ANT 4:

## 802.11b

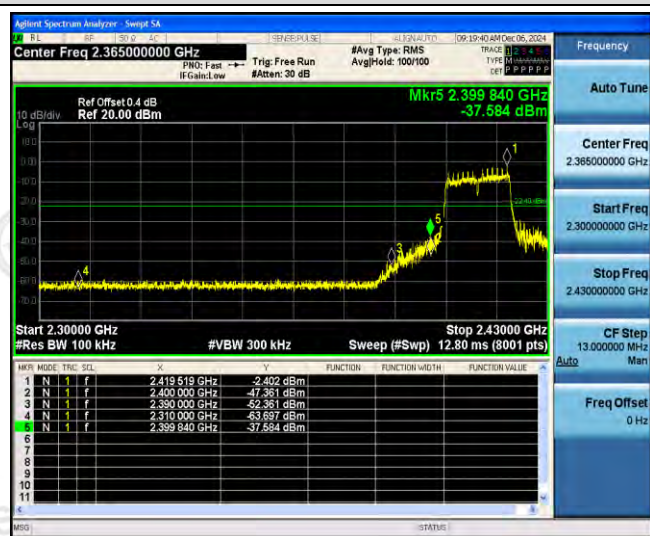


Left bandedge

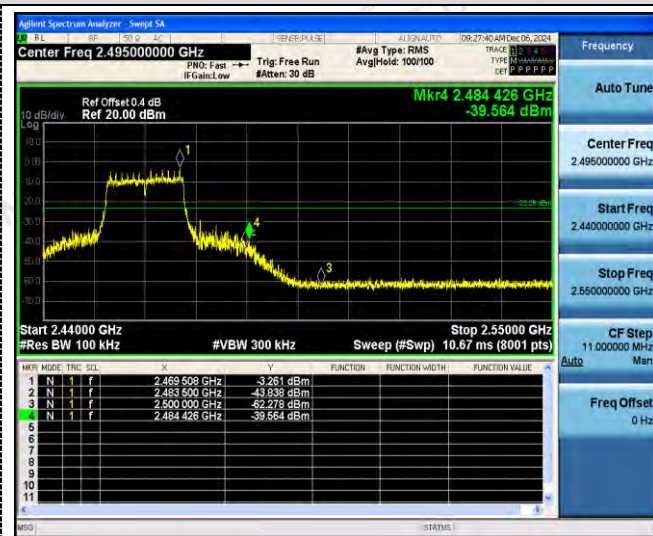


Right bandedge

## 802.11g

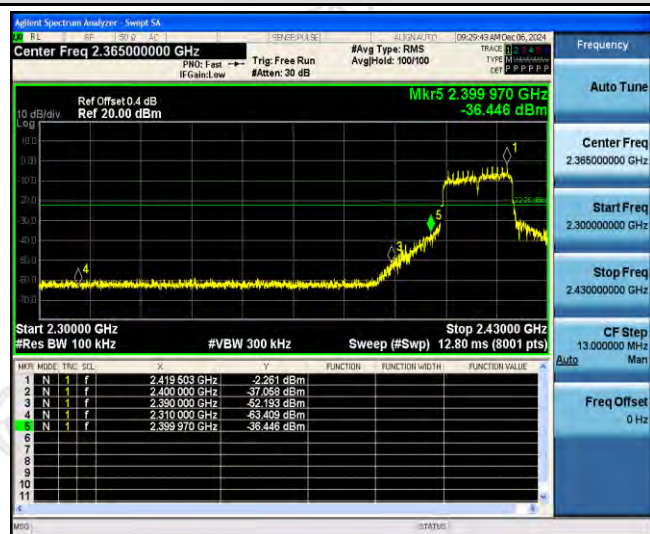


Left bandedge

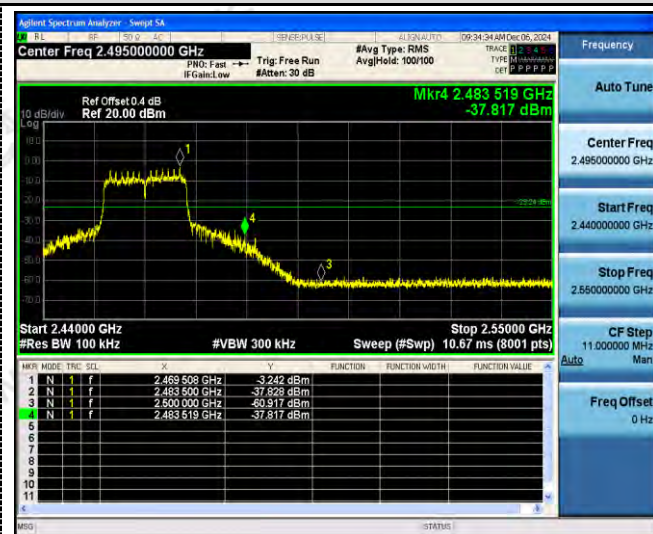


Right bandedge

## 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.

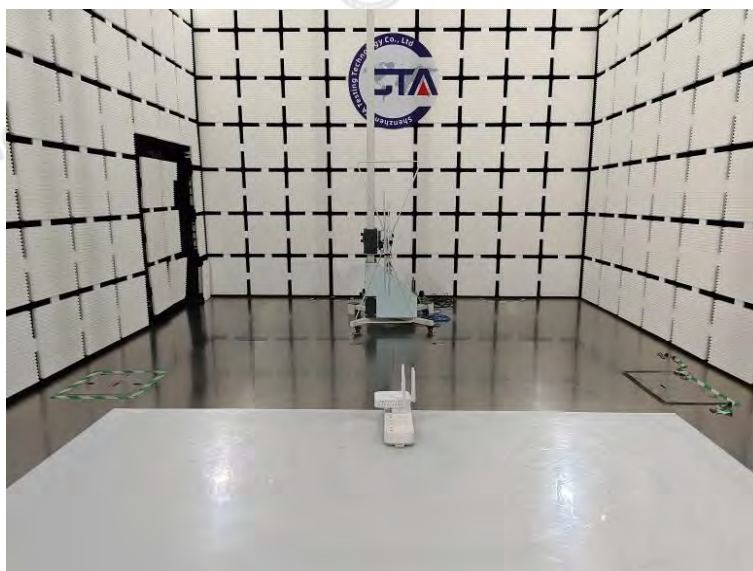
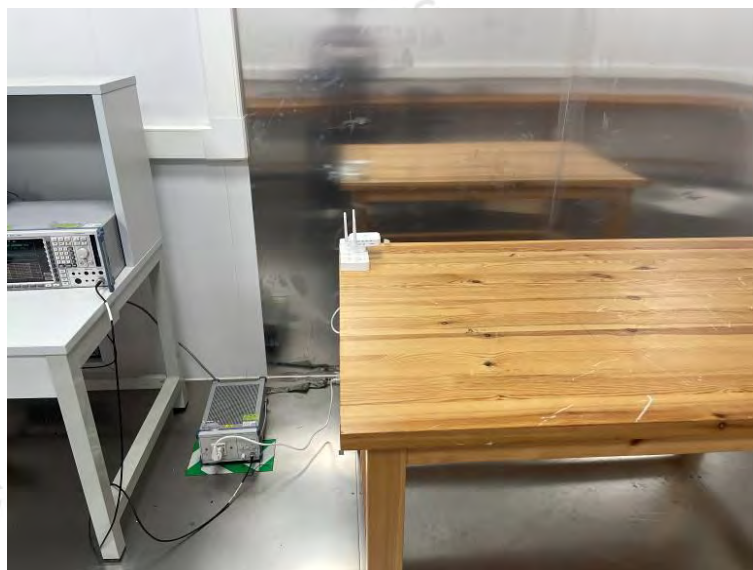
### Test Result:

For 2.4GHz WIFI, the maximum gain for the antenna, antenna 2, antenna 3 and antenna 4 is 2.0 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.



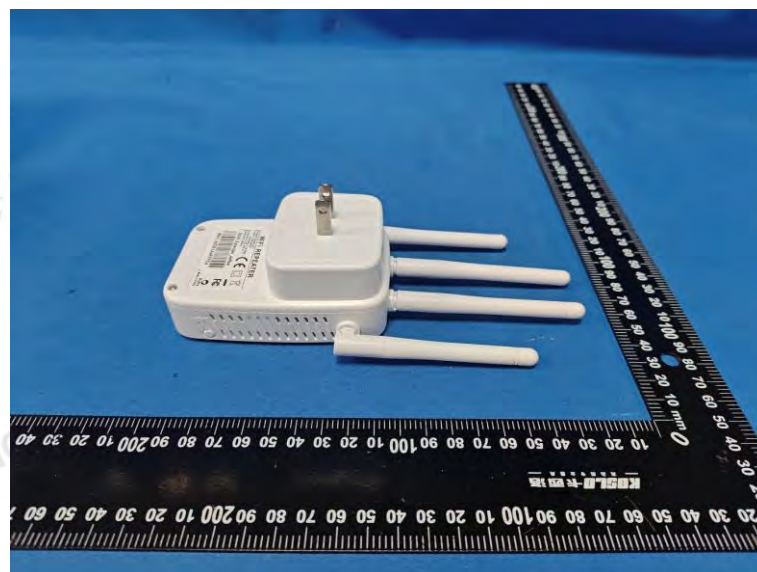
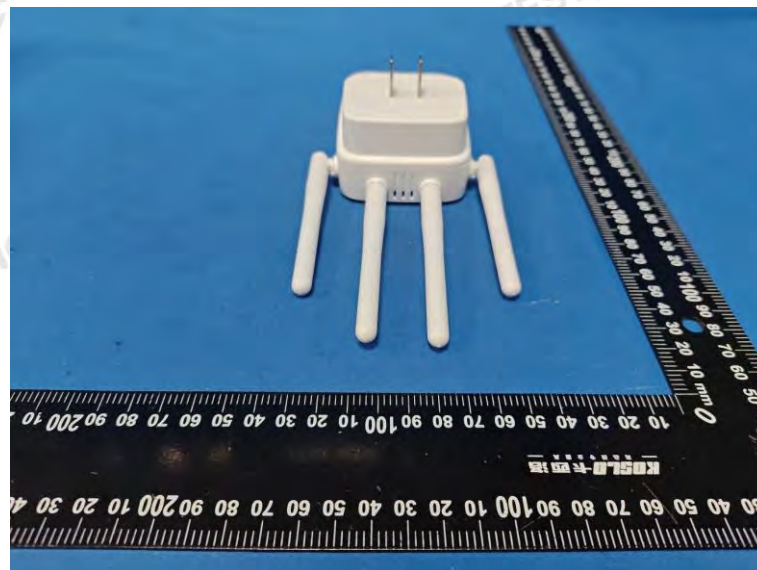
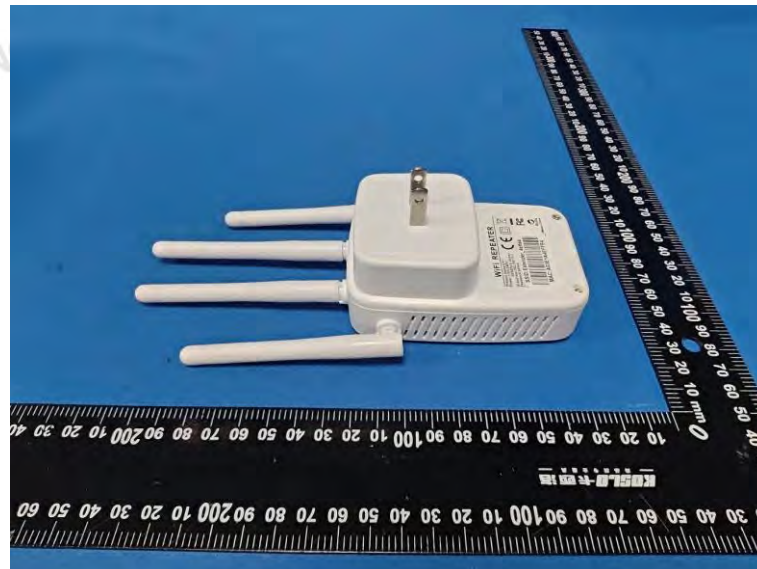
## 5 Test Setup Photos of the EUT

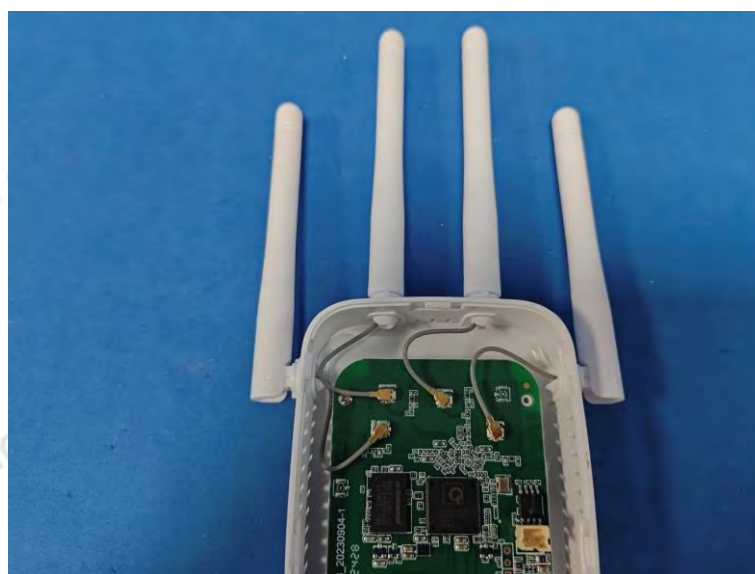
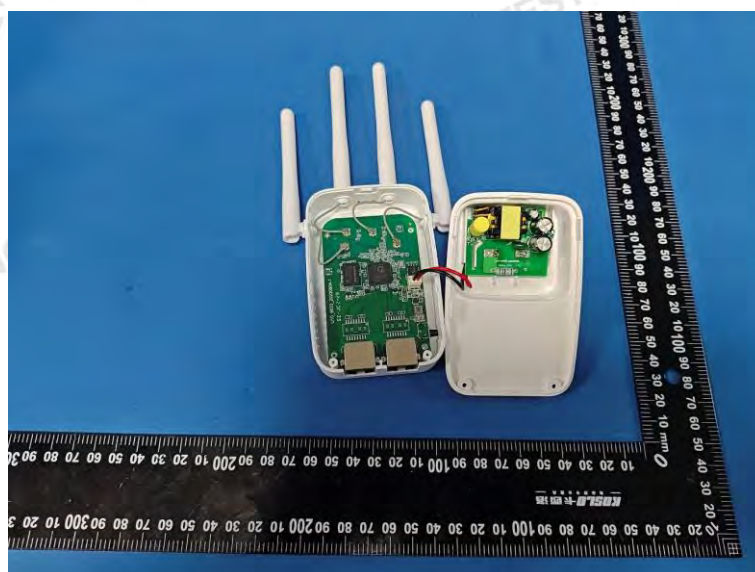


## 6 Photos of the EUT

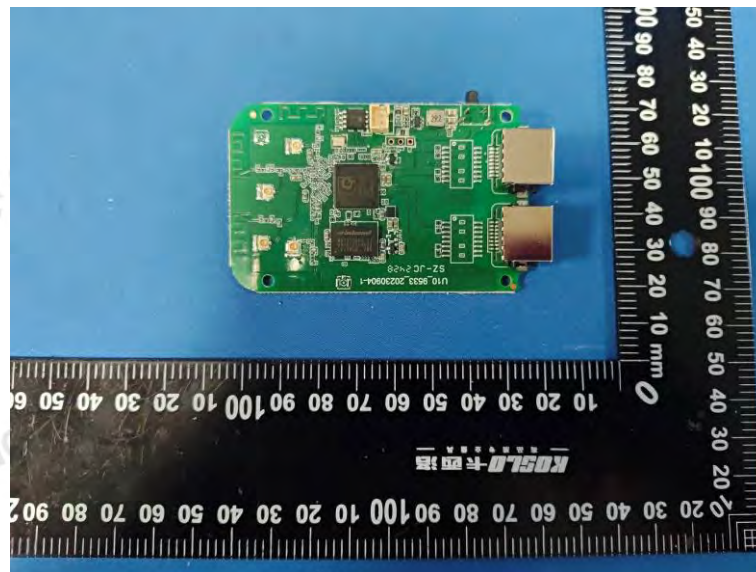
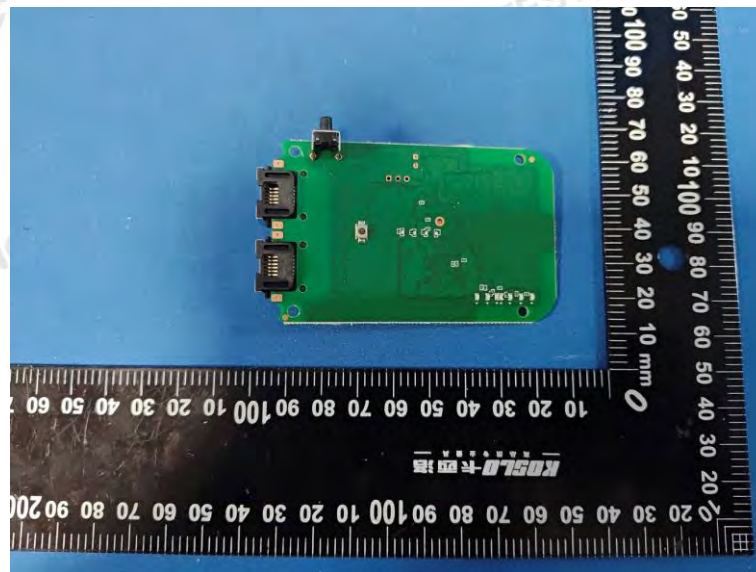


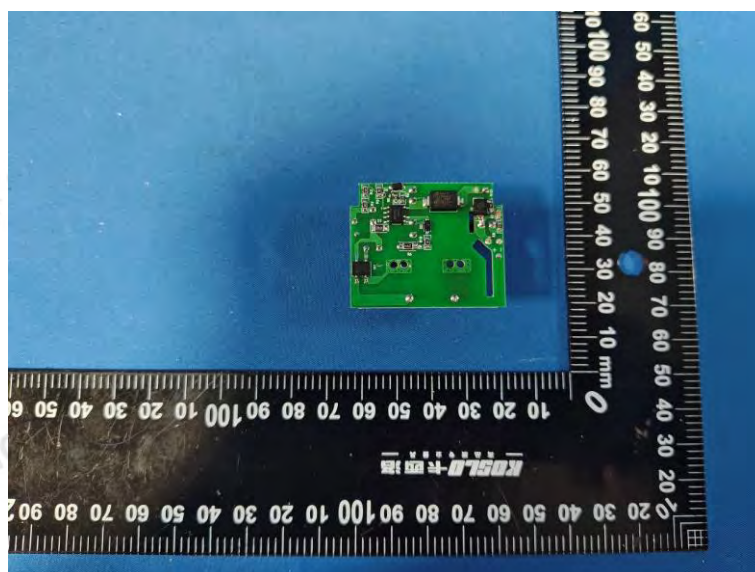
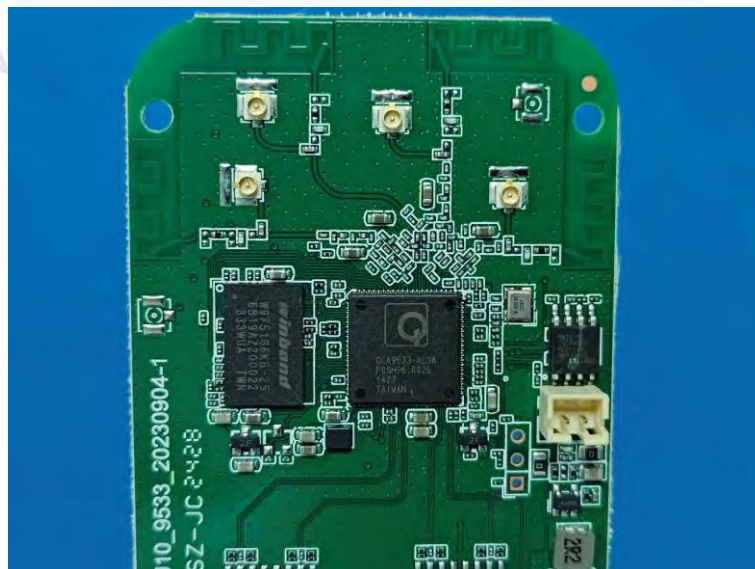




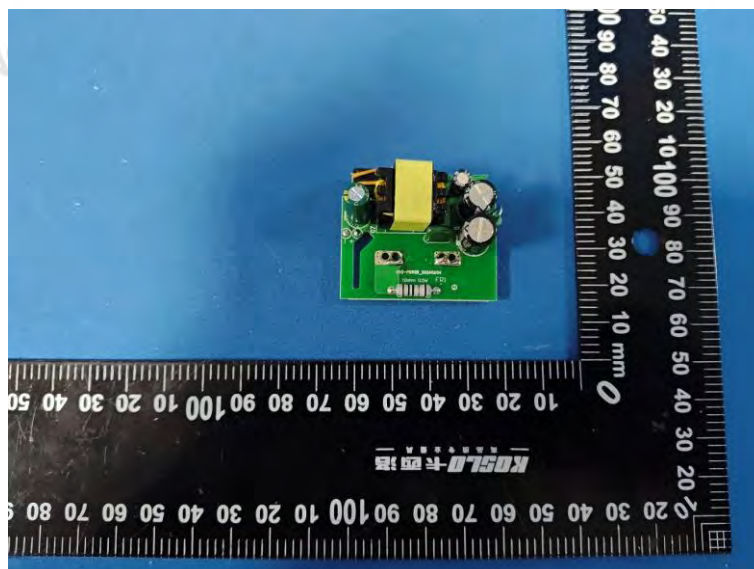












\*\*\*\*\* End of Report \*\*\*\*\*