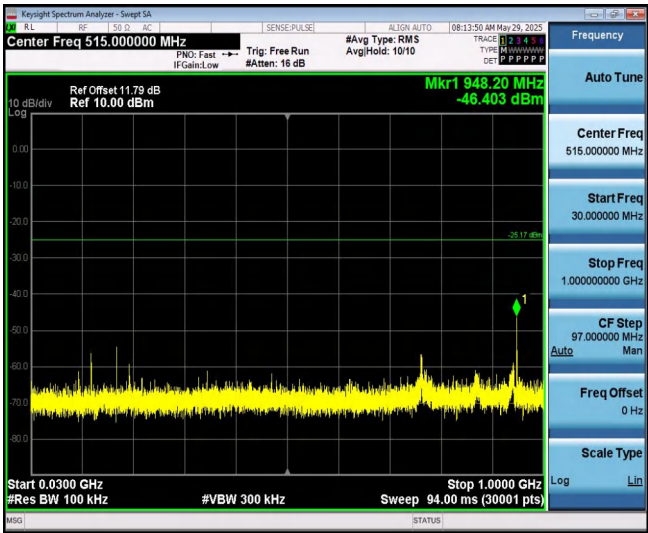
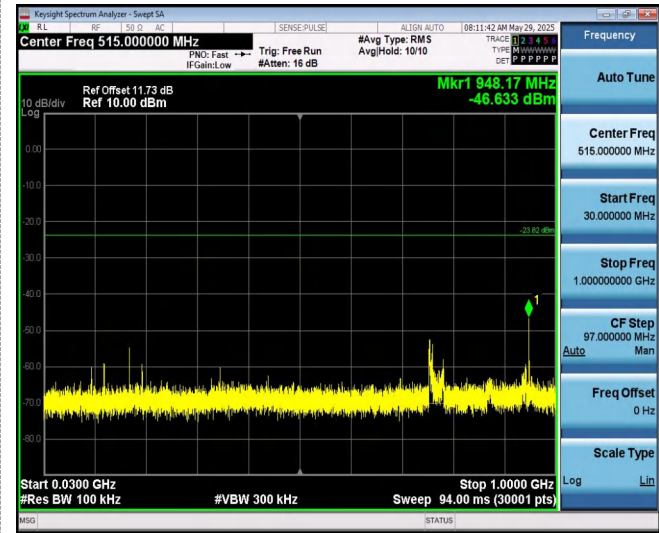


802.11n(HT20)



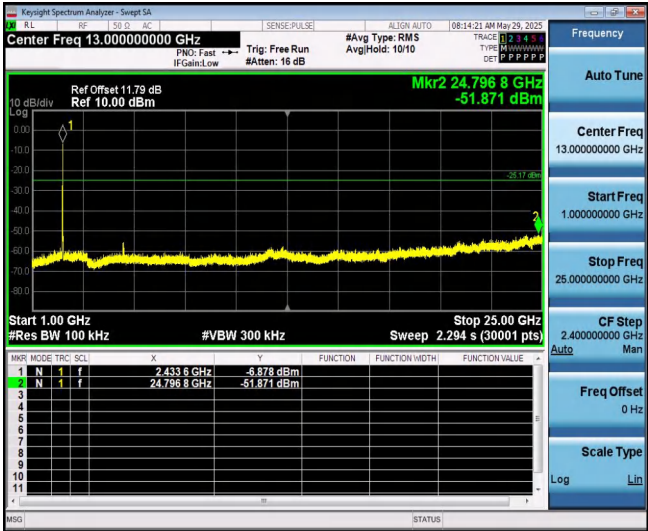
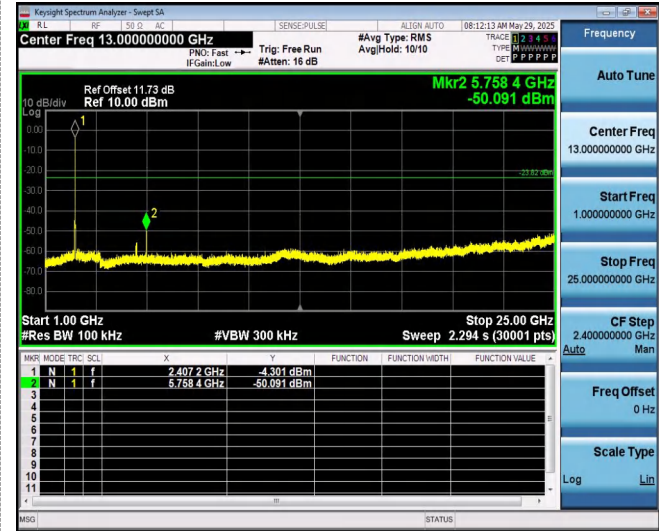
CH01

CH06



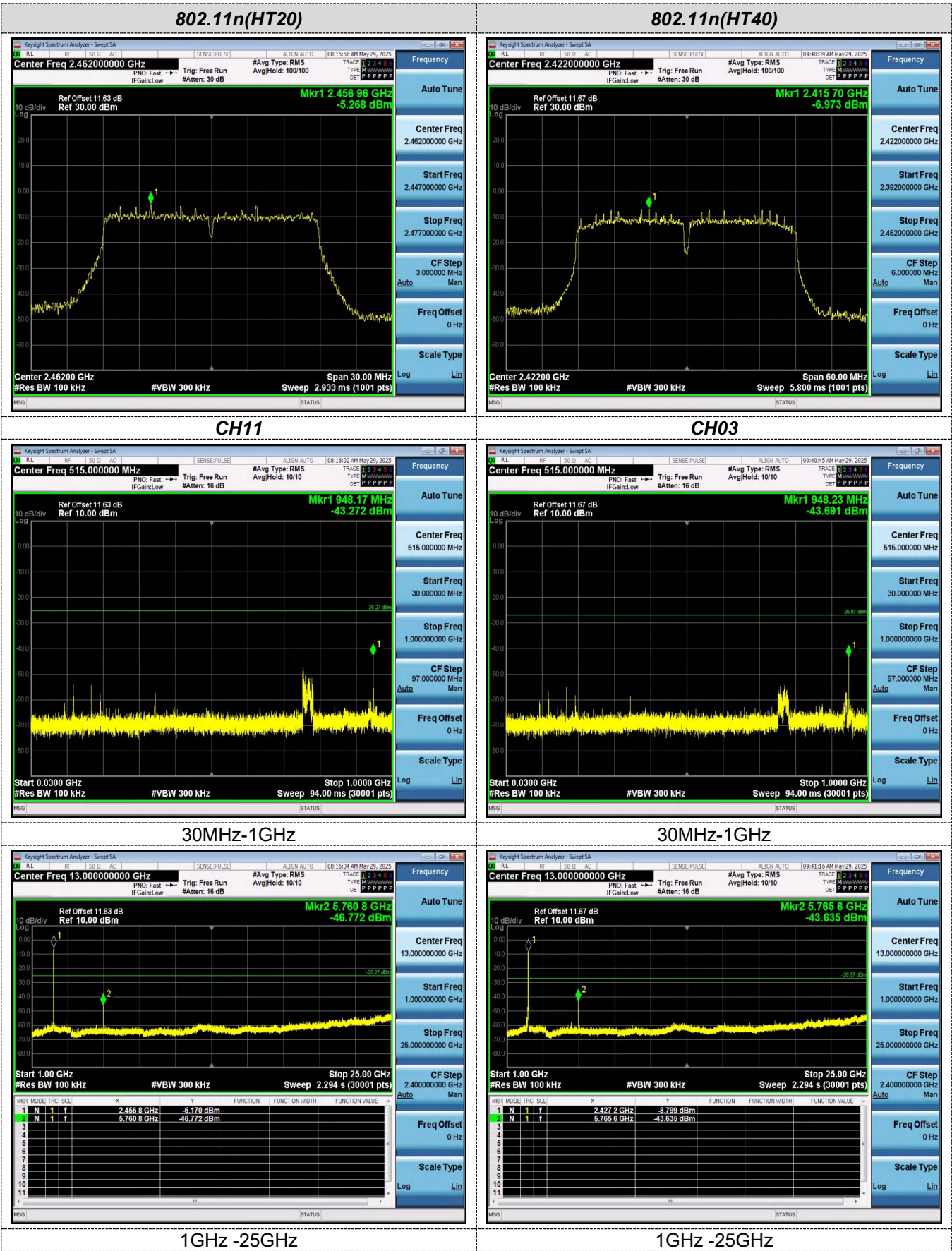
30MHz-1GHz

30MHz-1GHz

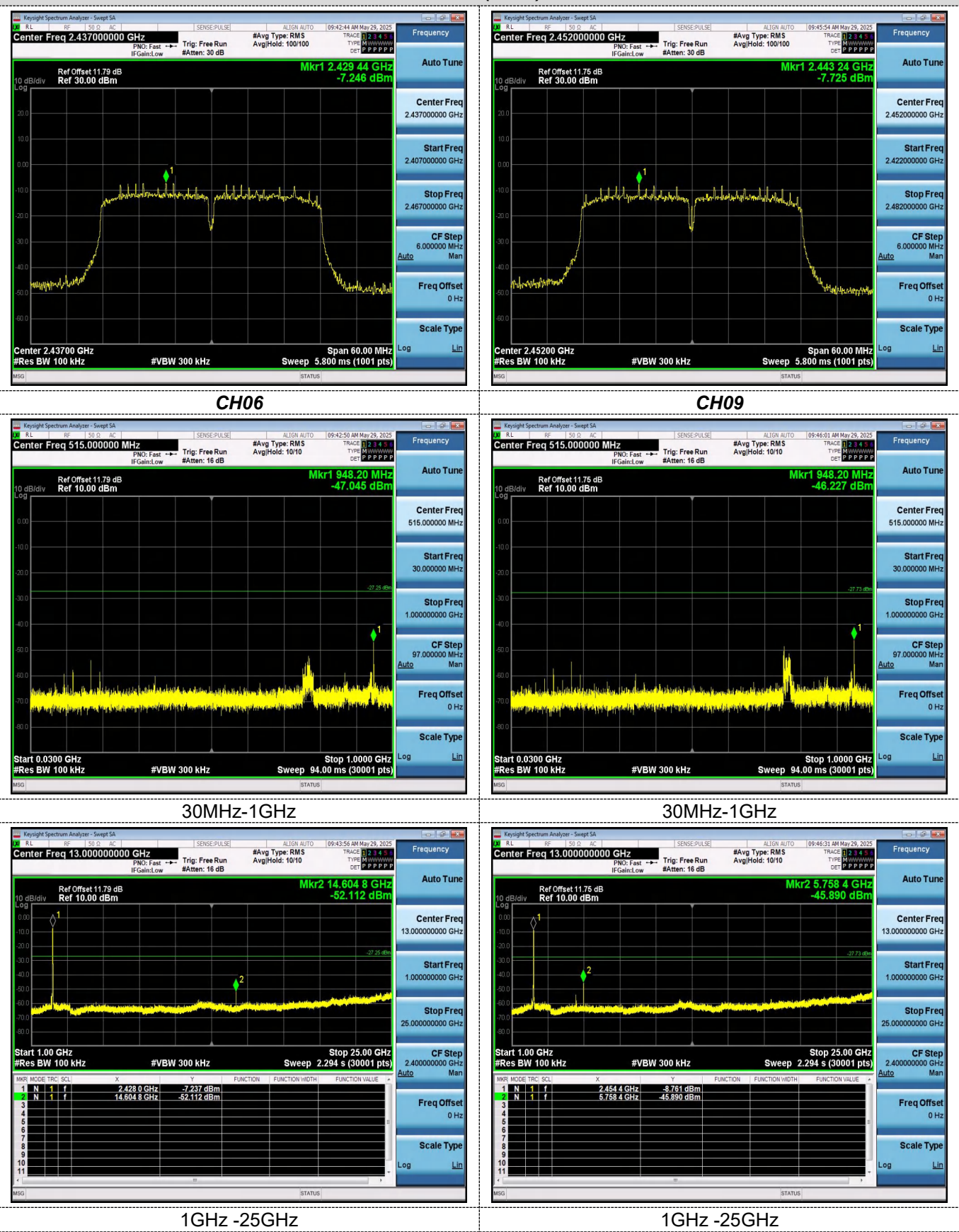


1GHz-25GHz

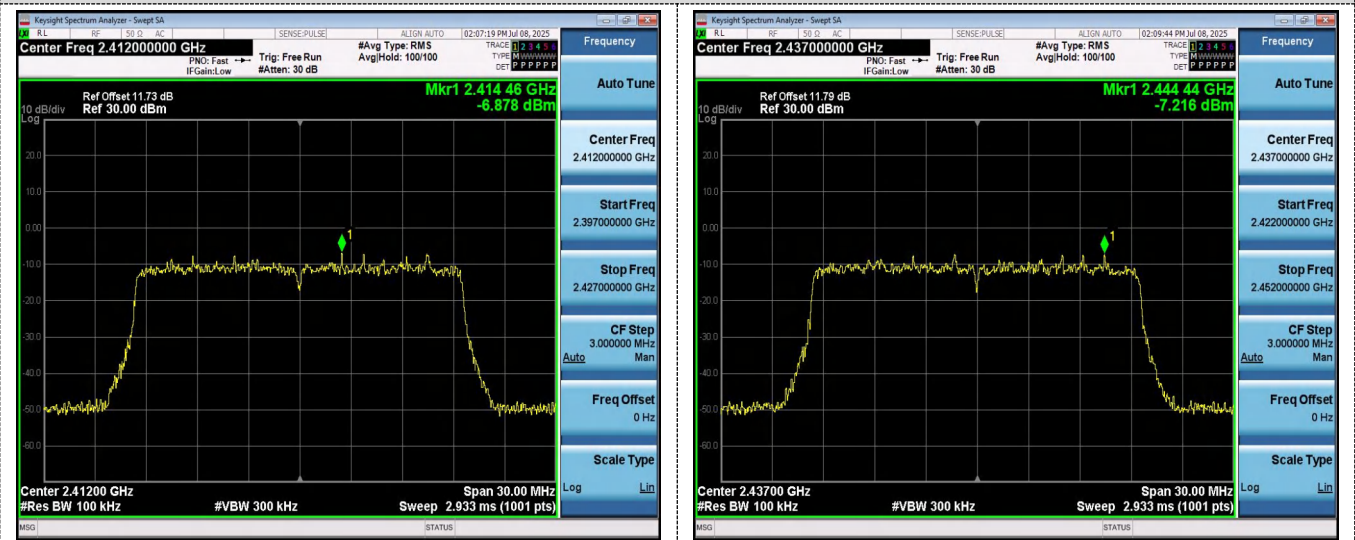
1GHz-25GHz



802.11n(HT40)

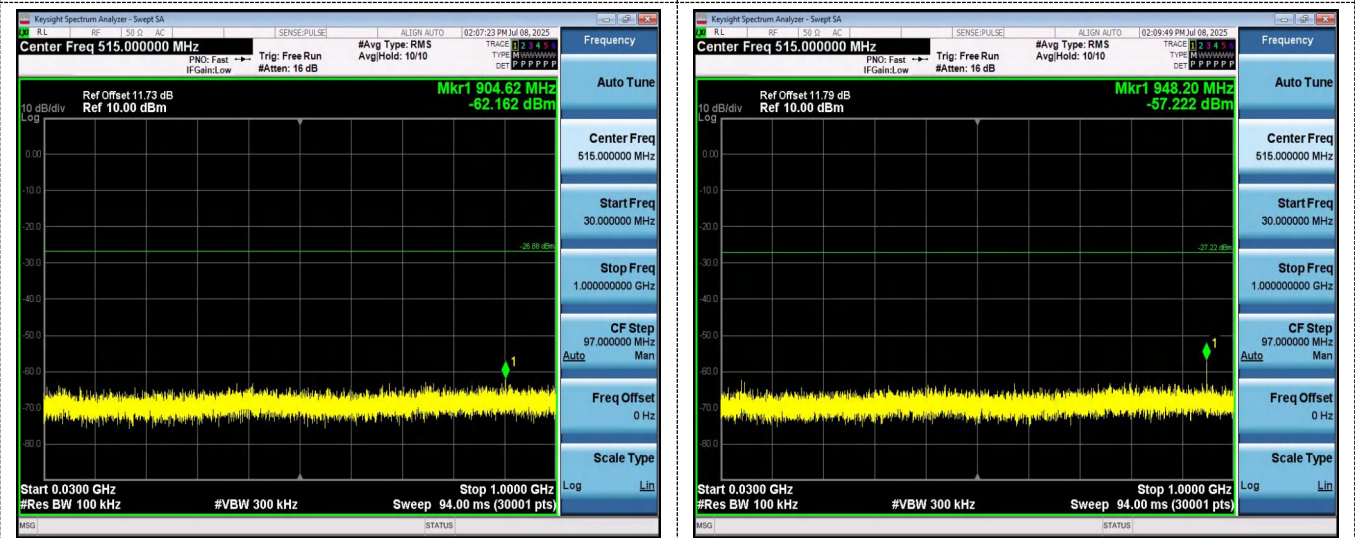


802.11ax(HE20)



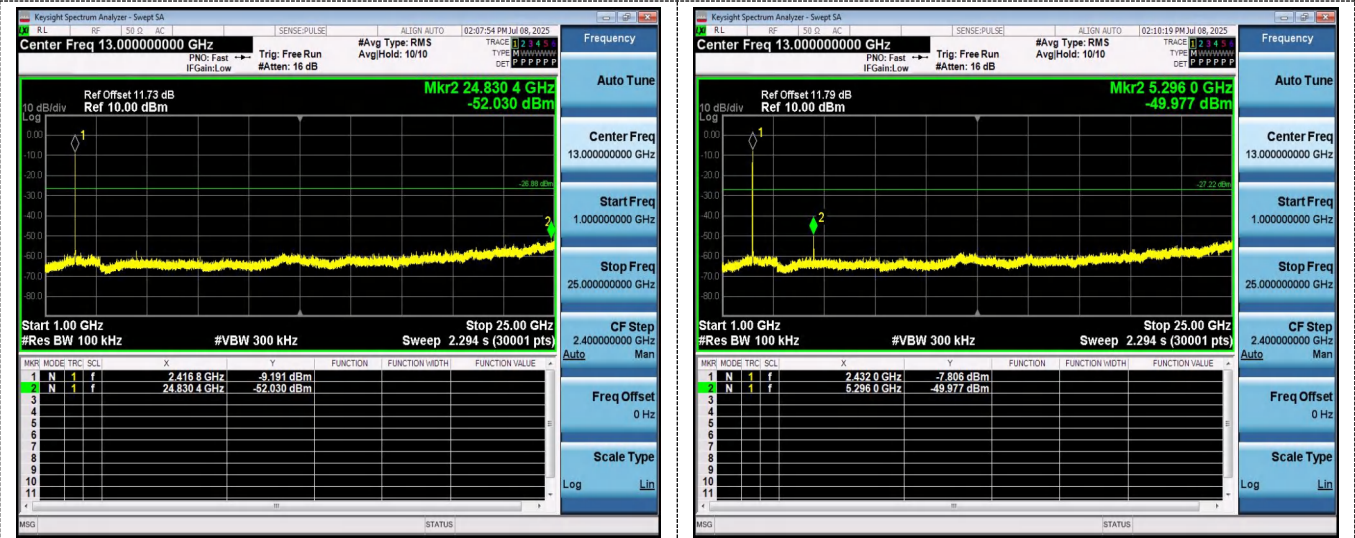
CH01

CH06



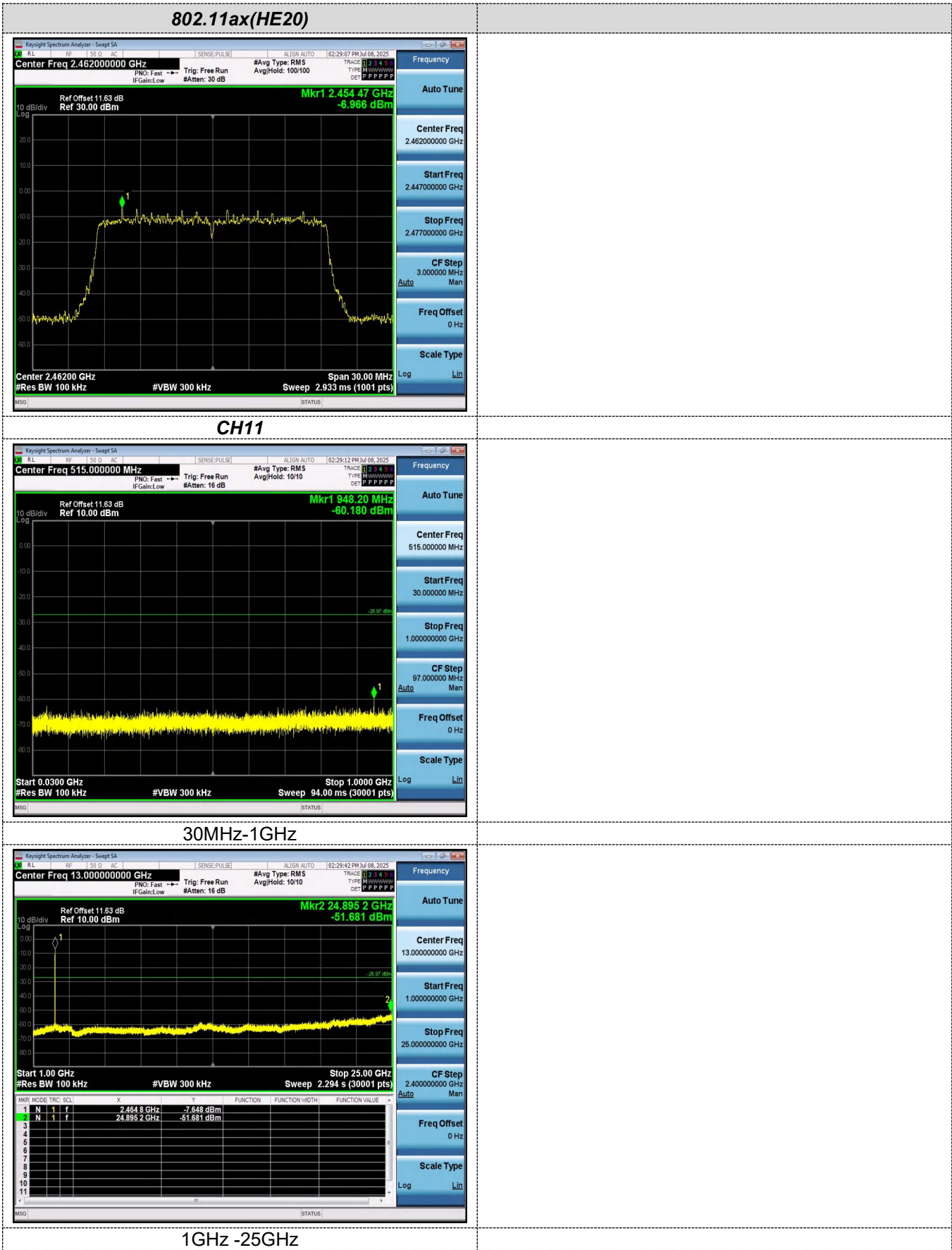
30MHz-1GHz

30MHz-1GHz



1GHz -25GHz

1GHz -25GHz



30MHz-1GHz

Keyight Spectrum Analyzer - Sengit SA

Center Freq 13.000000000 GHz

Ref Offset 11.63 dB

Ref 10.00 dBm

Mkr2 24.895 2 GHz

-51.681 dBm

10 dB/div

Log

0.00

10.0

20.0

30.0

40.0

50.0

60.0

70.0

80.0

Start 1.00 GHz

#Res BW 100 kHz

#VBW 300 kHz

Sweep 2.294 s (30001 pts)

MSG

STATUS

Frequency

Auto Tune

Center Freq

13.000000000 GHz

Start Freq

1.000000000 GHz

Stop Freq

25.000000000 GHz

CF Step

2.400000000 GHz

Auto

Man

Freq Offset

0 Hz

Scale Type

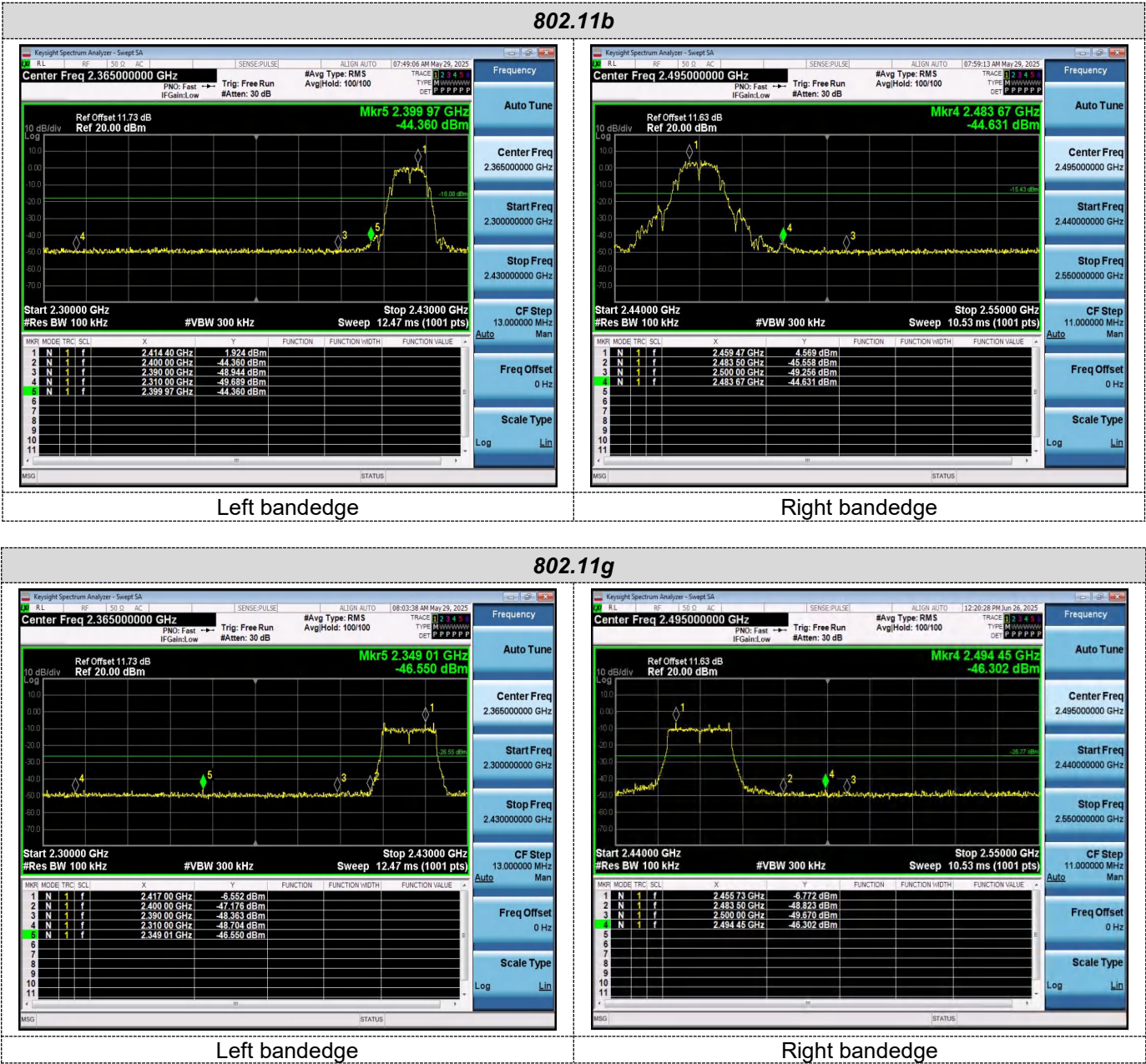
Log

Lin

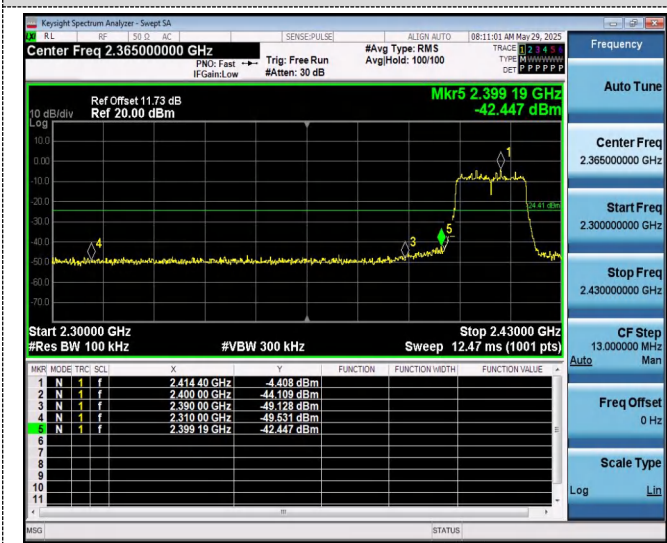
| MNR | MODE | TRC | SCL | X            | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|--------------|-------------|----------|----------------|----------------|
| 1   | N    | 1   | f   | 2.464 8 GHz  | -7.848 dBm  |          |                |                |
| 2   | N    | 1   | f   | 24.895 2 GHz | -51.681 dBm |          |                |                |
| 3   |      |     |     |              |             |          |                |                |
| 4   |      |     |     |              |             |          |                |                |
| 5   |      |     |     |              |             |          |                |                |
| 6   |      |     |     |              |             |          |                |                |
| 7   |      |     |     |              |             |          |                |                |
| 8   |      |     |     |              |             |          |                |                |
| 9   |      |     |     |              |             |          |                |                |
| 10  |      |     |     |              |             |          |                |                |
| 11  |      |     |     |              |             |          |                |                |

1GHz -25GHz

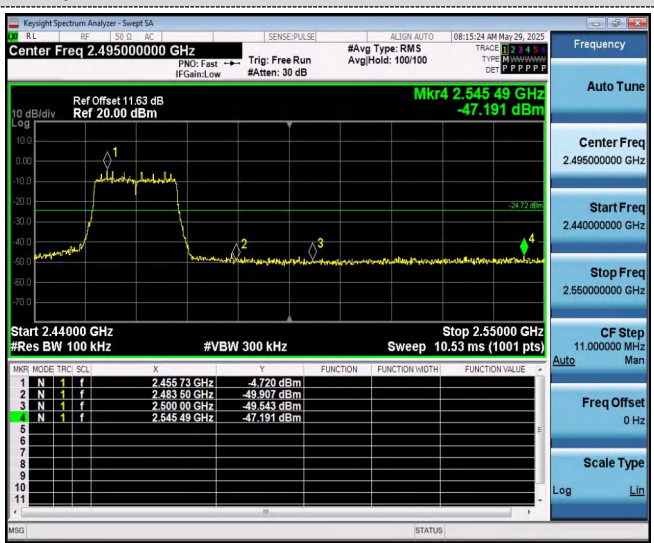
Band-edge Measurements for RF Conducted Emissions:



802.11n(HT20)

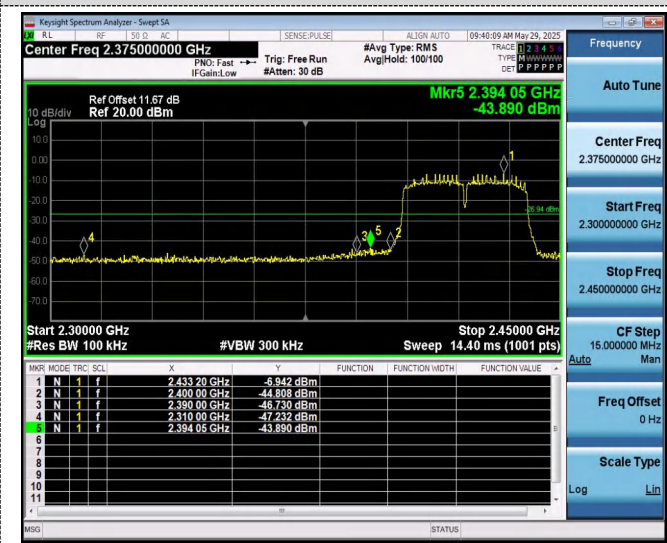


Left bandedge

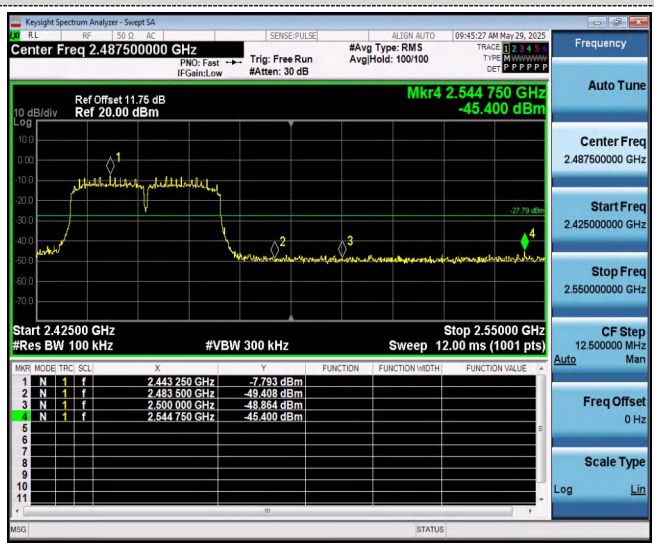


Right bandedge

802.11n(HT40)

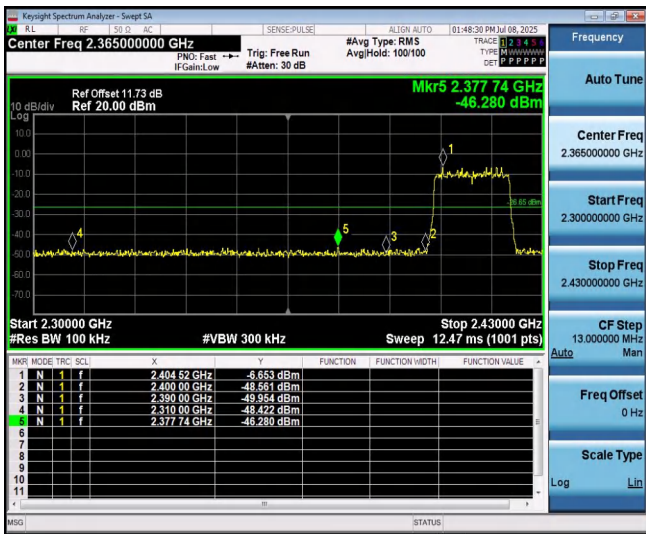


Left bandedge

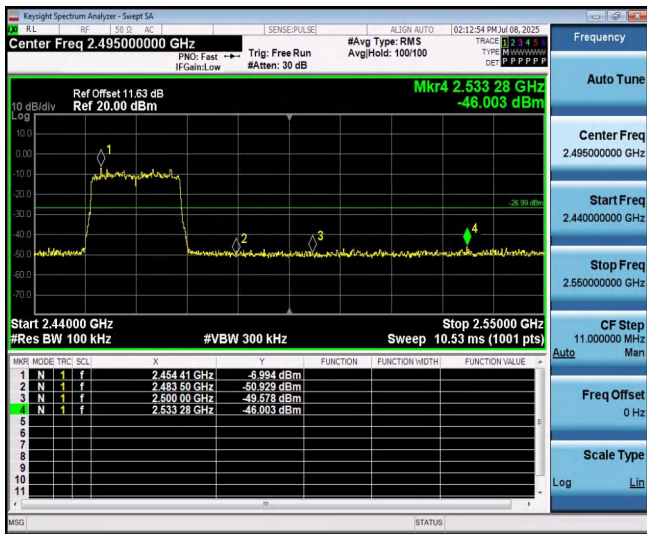


Right bandedge

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):**

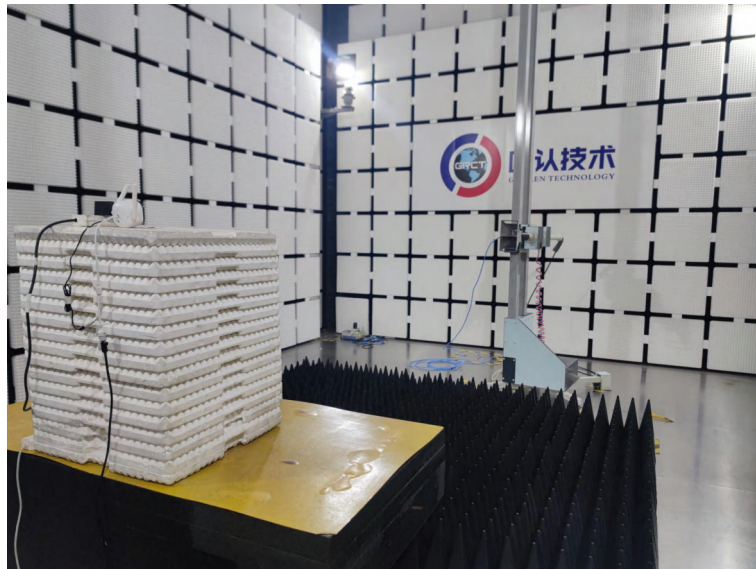
(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional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

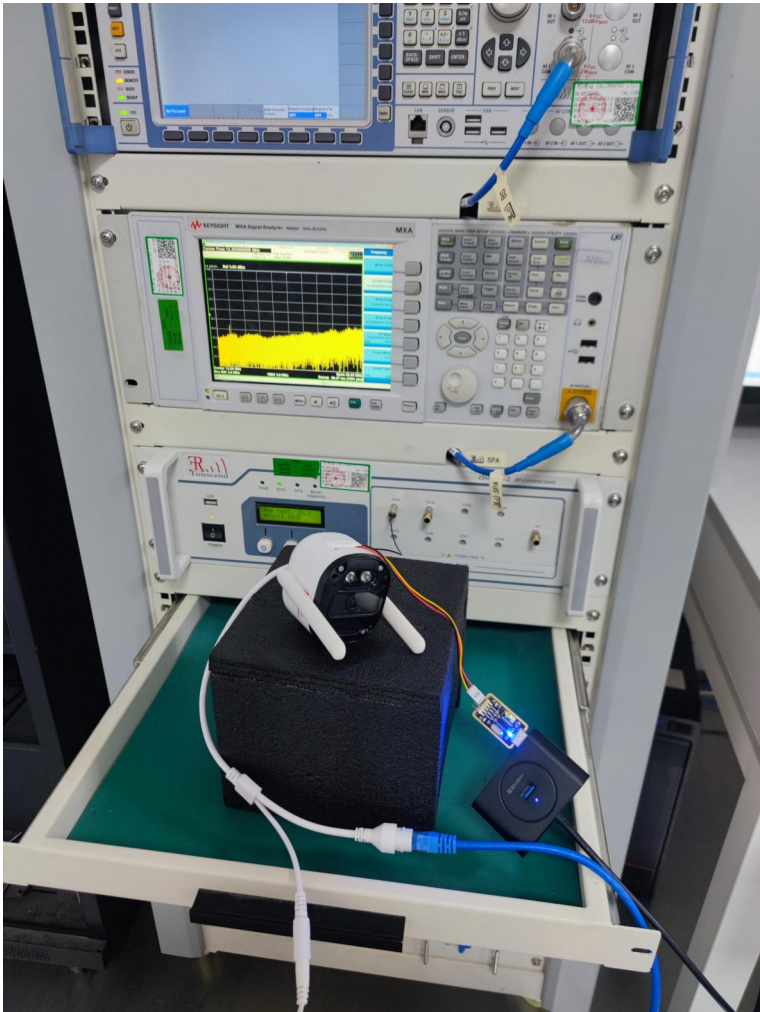
### Test Result:

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.

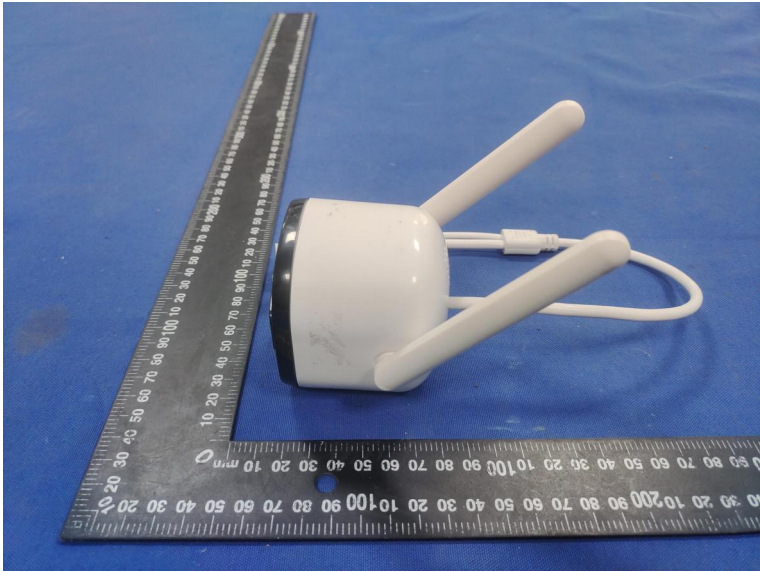
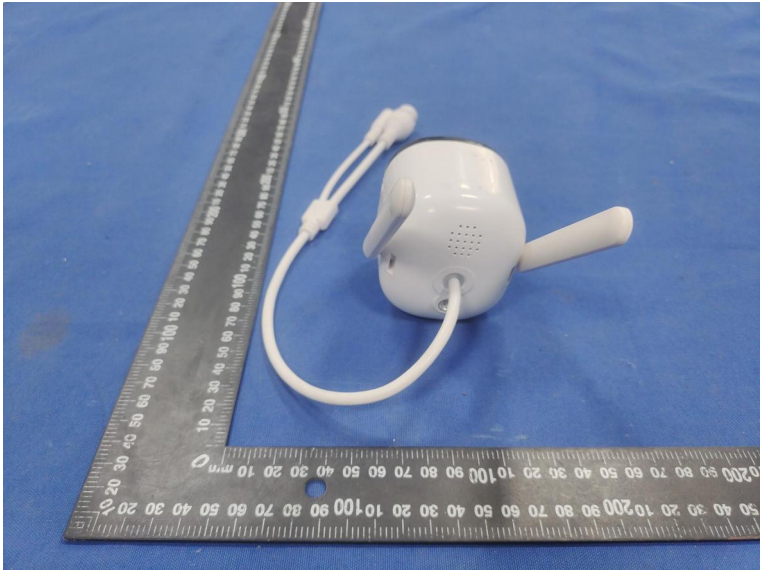
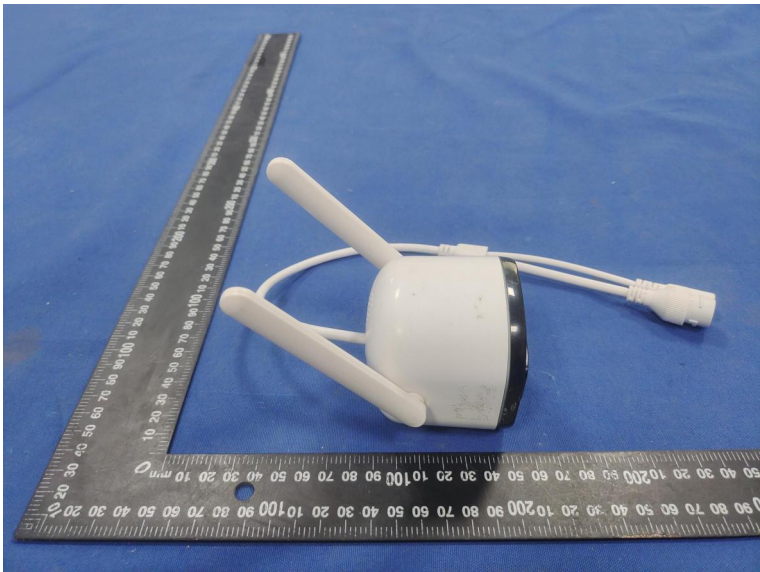
## 5 Test Setup Photos of the EUT

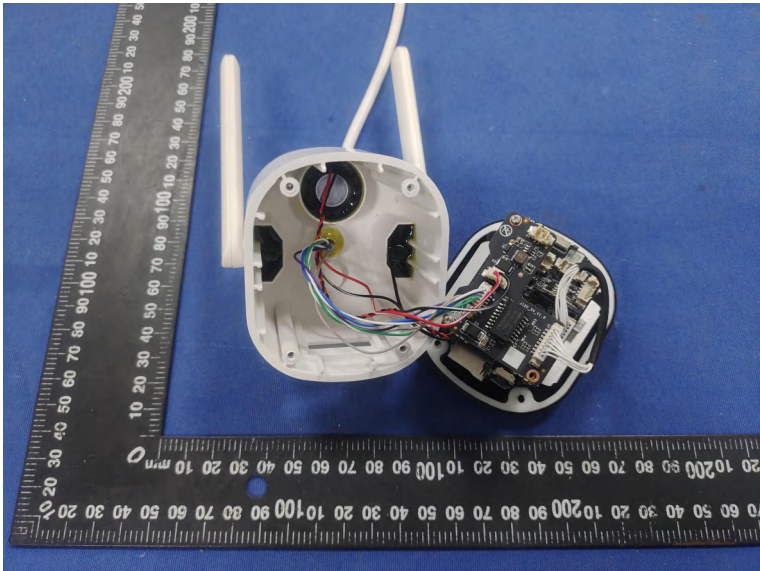




## 6 Photos of the EUT







2.4G WIFI  
Antenna

