



## 10. SPURIOUS RF CONDUCTED EMISSION

### 10.1 APPLIED PROCEDURES / LIMIT

1. Below -20dB of the highest emission level in operating band.
2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.
3. For below 30MHz, For 9KHz-150kHz, 150K-10MHz, We use the RBW 1KHz, 10KHz, So the limit need to be calculated by " $10\lg(BW1/BW2)$ ". for example For 9KHz-150kHz, RBW 1KHz, The Limit = the highest emission level -  $20 - 10\lg(100/1) =$  the highest emission level - 40.

### 10.2 TEST PROCEDURE

1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW)  $\geq$  RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.

### 10.3 DEVIATION FROM STANDARD

No deviation.

### 10.4 TEST SETUP



### 10.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.



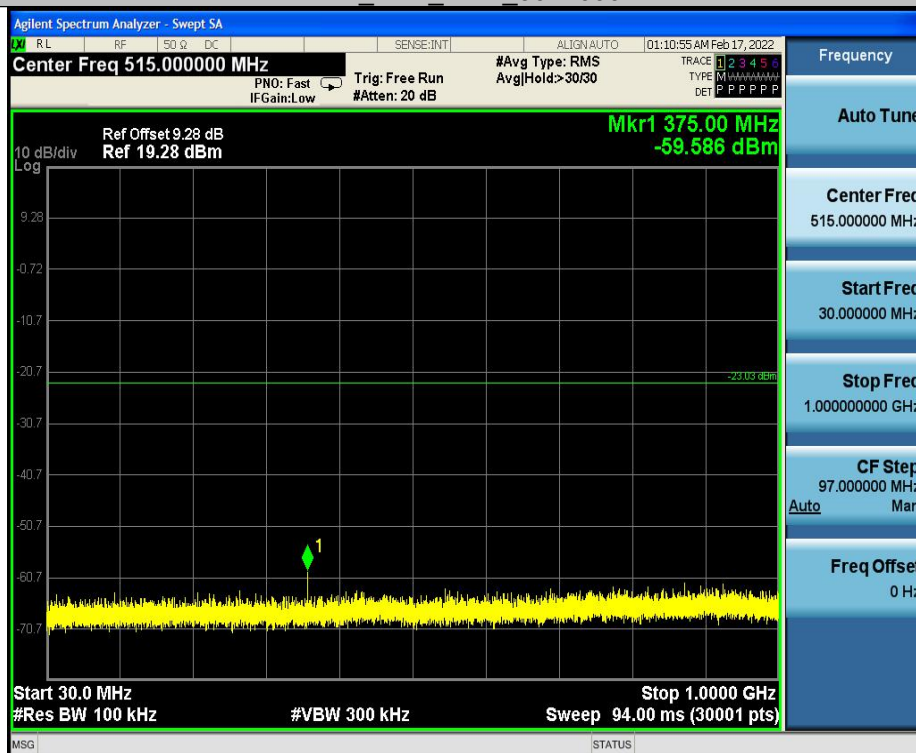
## 10.6 TEST RESULTS

## 802.11b Worst Case

11B\_Ant1\_2412\_0~Reference

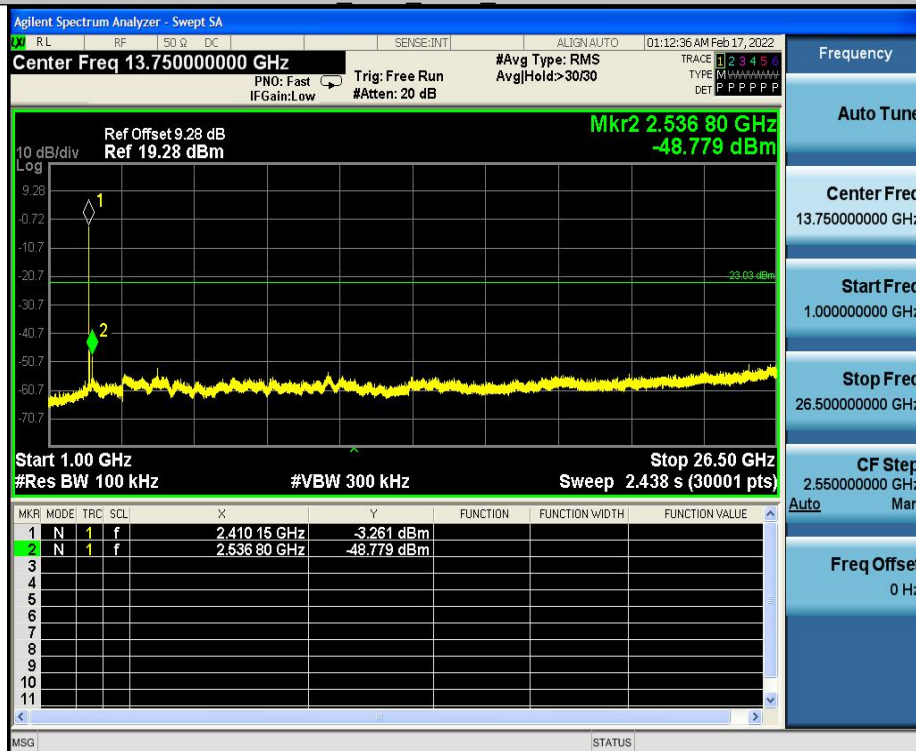


11B\_Ant1\_2412\_30~1000



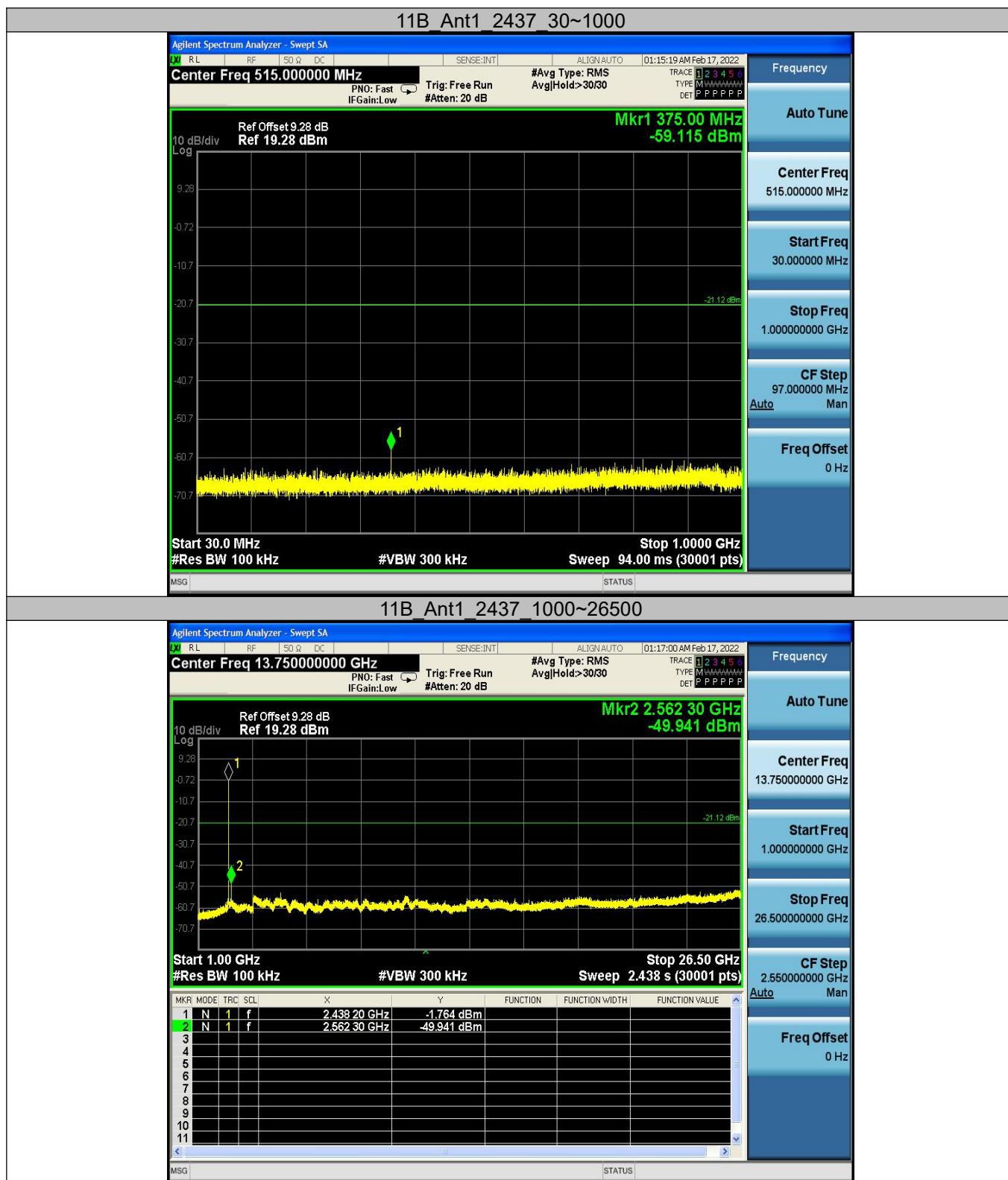


## 11B Ant1 2412 1000~26500



## 11B Ant1 2437 0~Reference



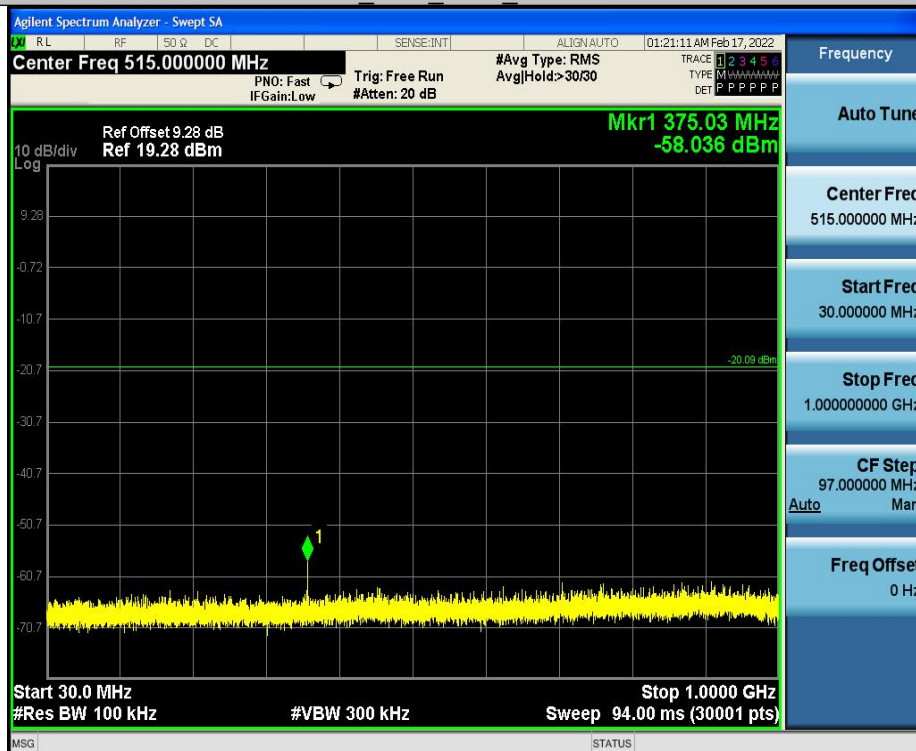


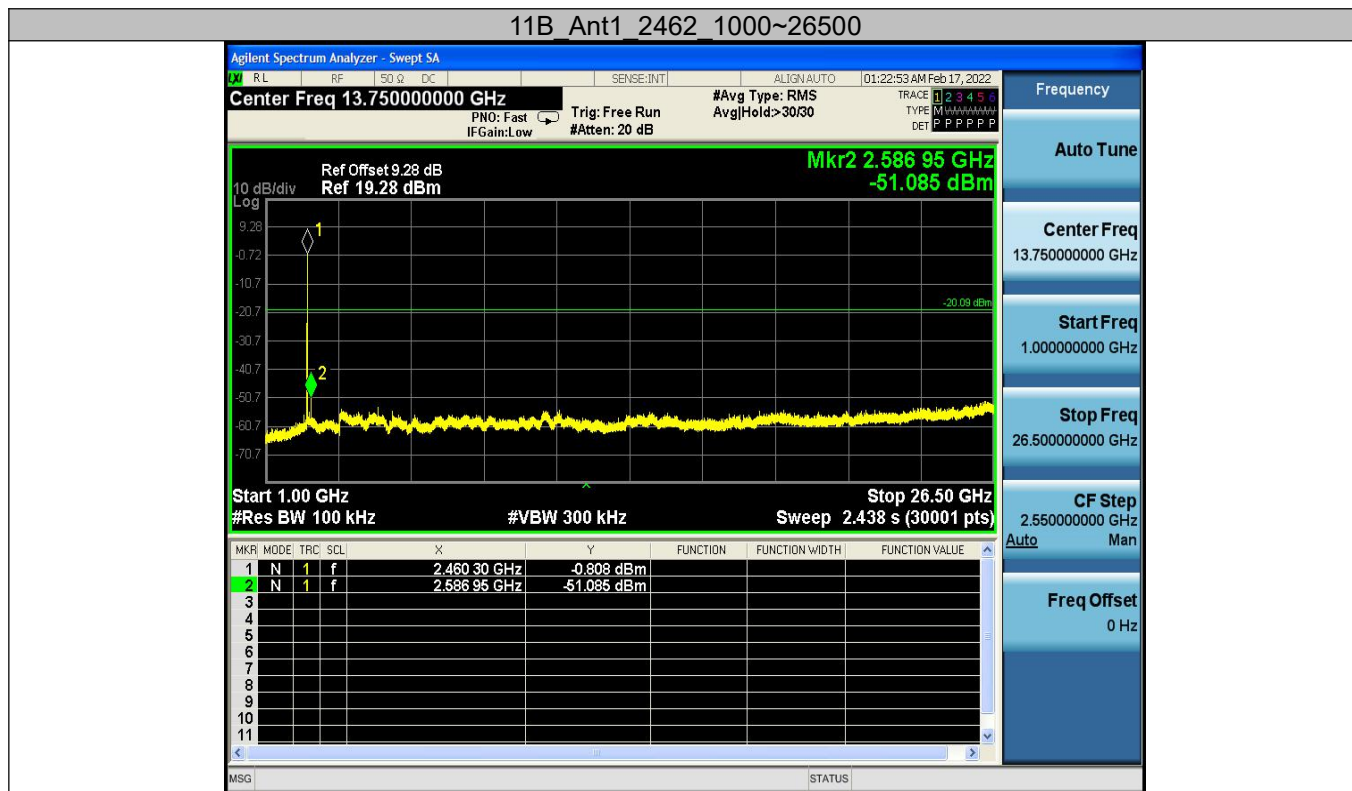


## 11B\_Ant1\_2462\_0~Reference



## 11B\_Ant1\_2462\_30~1000





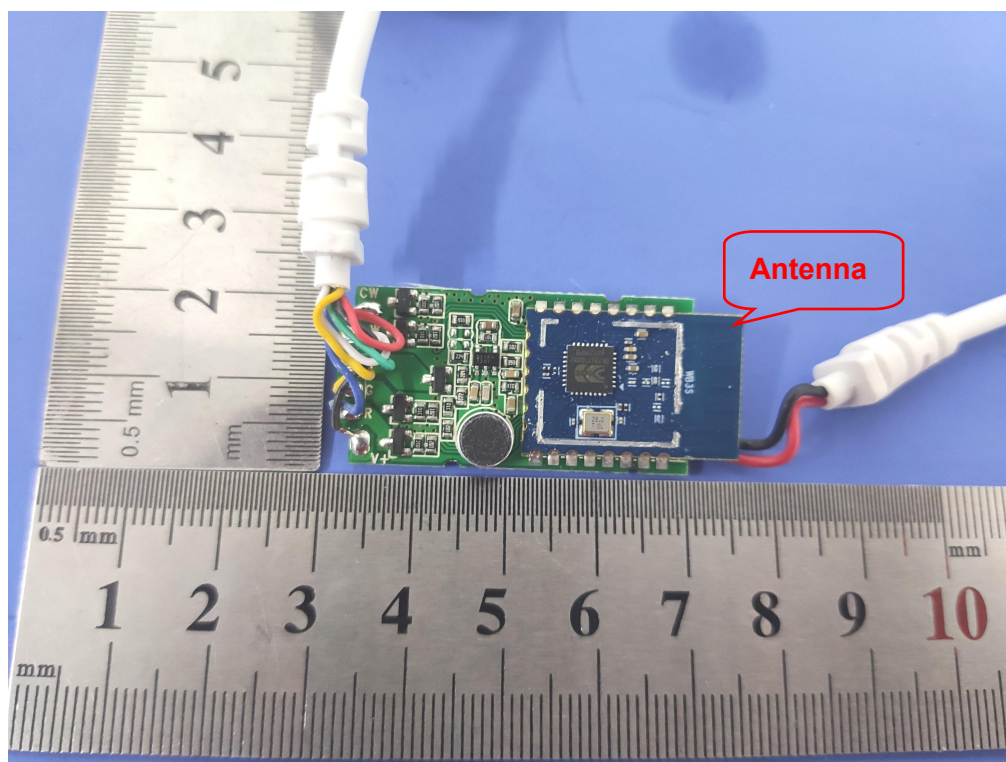
## 11. ANTENNA REQUIREMENT

### 11.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 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.

### 11.2 EUT ANTENNA

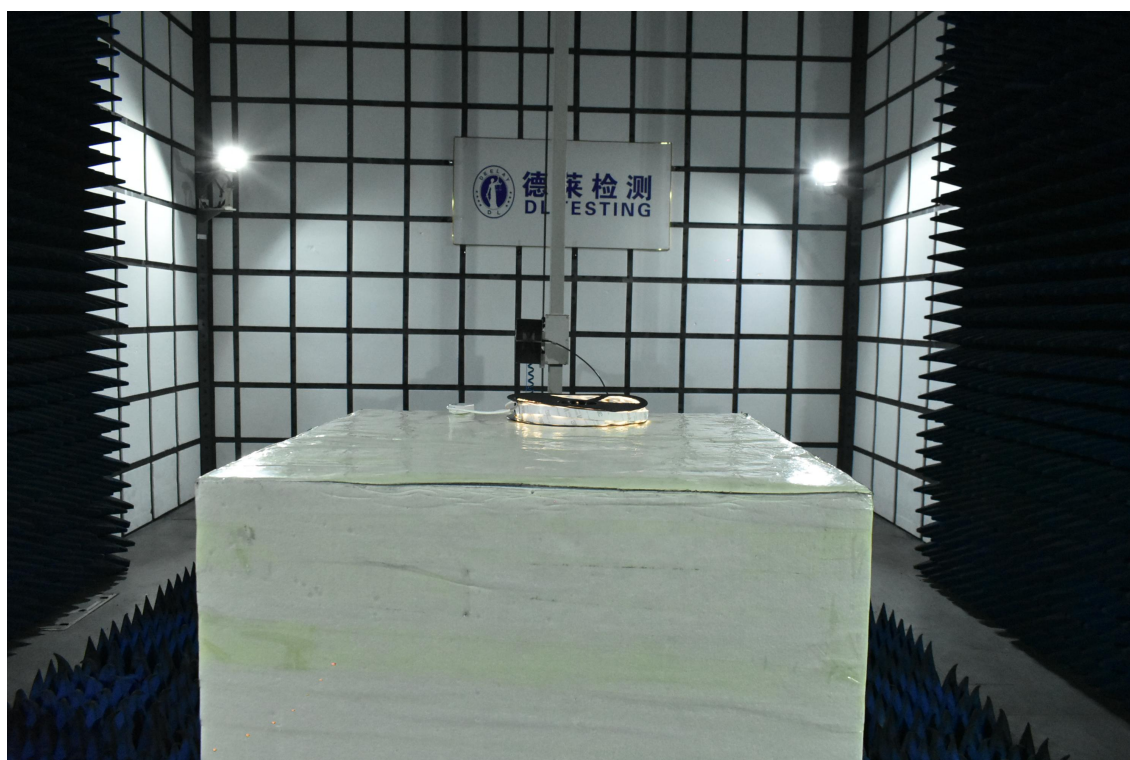
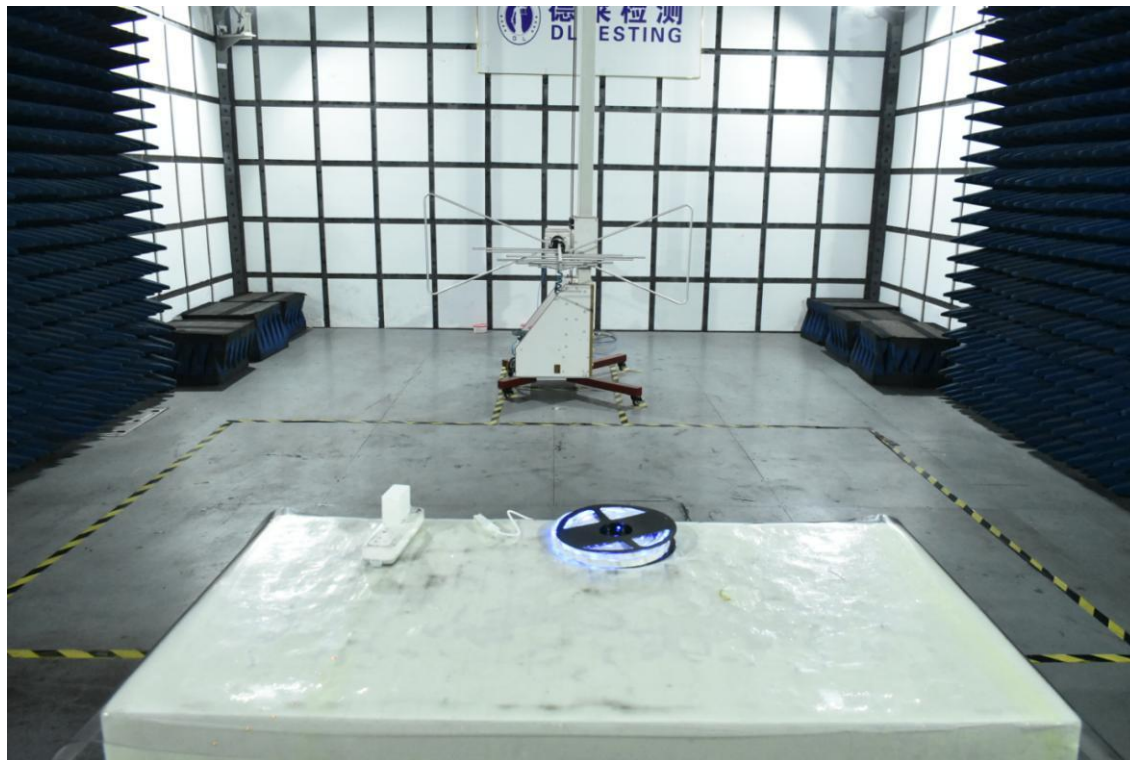
The EUT antenna is PCB Antenna,. It comply with the standard requirement.





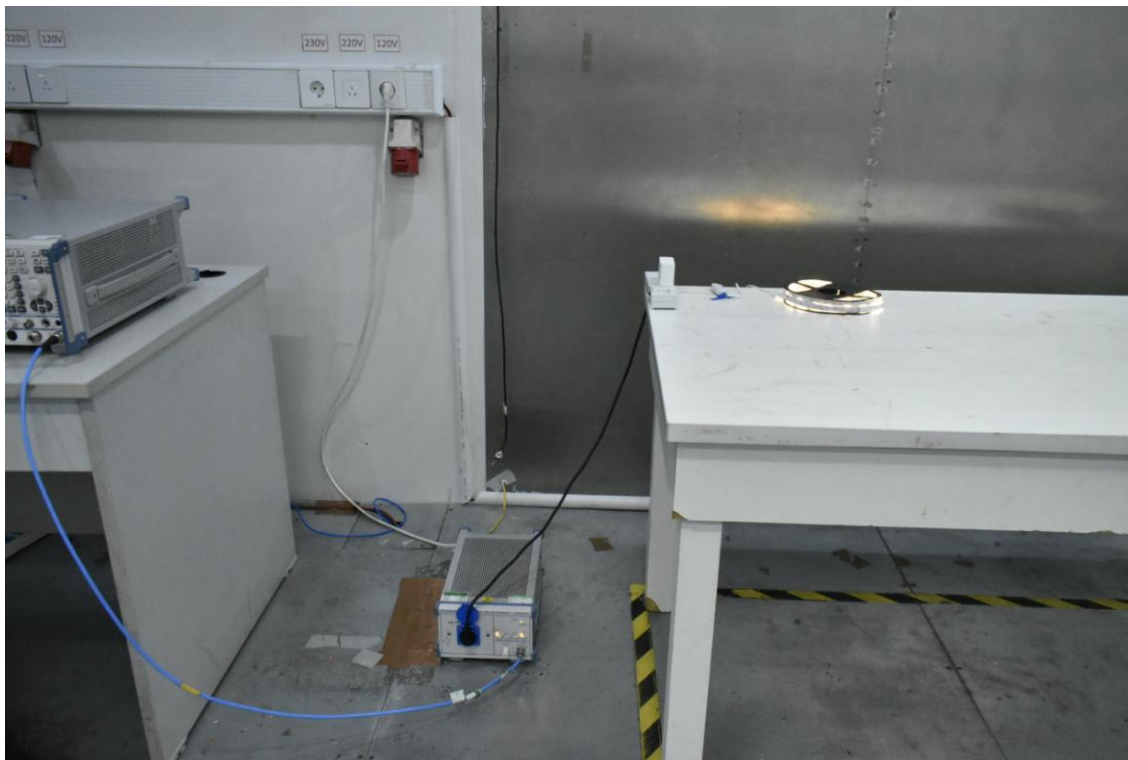
## 12. TEST SEUUP PHOTO

Radiated Measurement Photos





### Conducted Measurement Photos



\*\*\*\*\* END OF REPORT \*\*\*\*\*