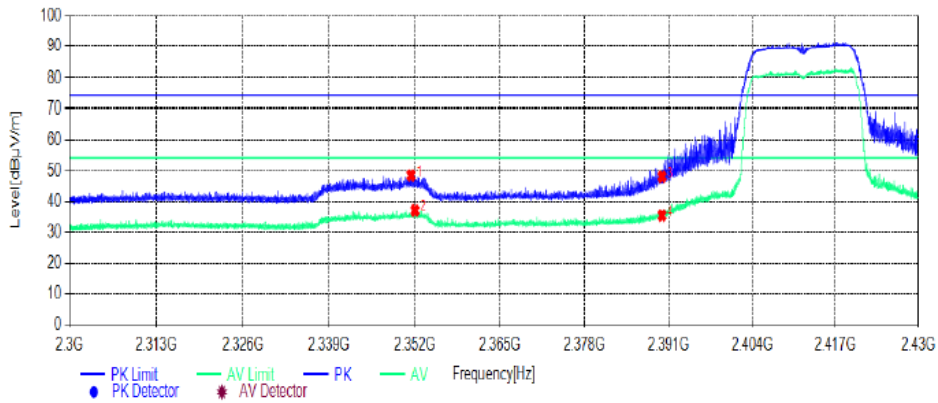


Vertical(802.11b-2412MHz)

Test Graph



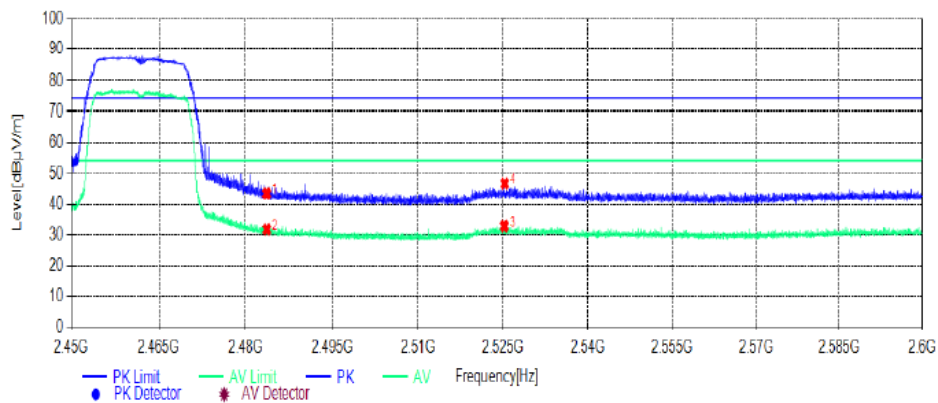
Suspected List

NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	2351.4331	44.30	4.14	48.44	74.00	25.56	150	210	PK	Vertical	PASS
2	2352.0442	32.84	4.15	36.99	54.00	17.01	150	120	AV	Vertical	PASS
3	2390.0080	43.78	4.25	48.03	74.00	25.97	150	220	PK	Vertical	PASS
4	2390.0080	31.13	4.25	35.38	54.00	18.62	150	130	AV	Vertical	PASS

- Note: 1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .  
 2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical(802.11b-2462MHz)

Test Graph



Suspected List

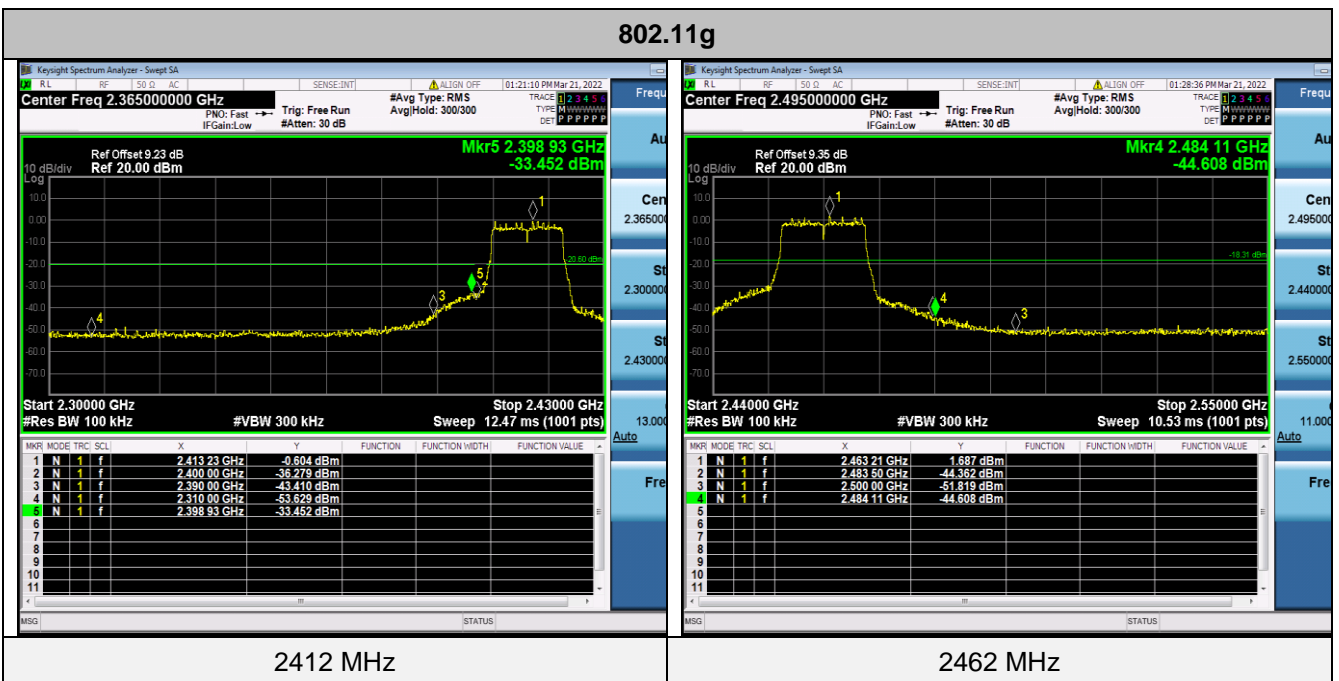
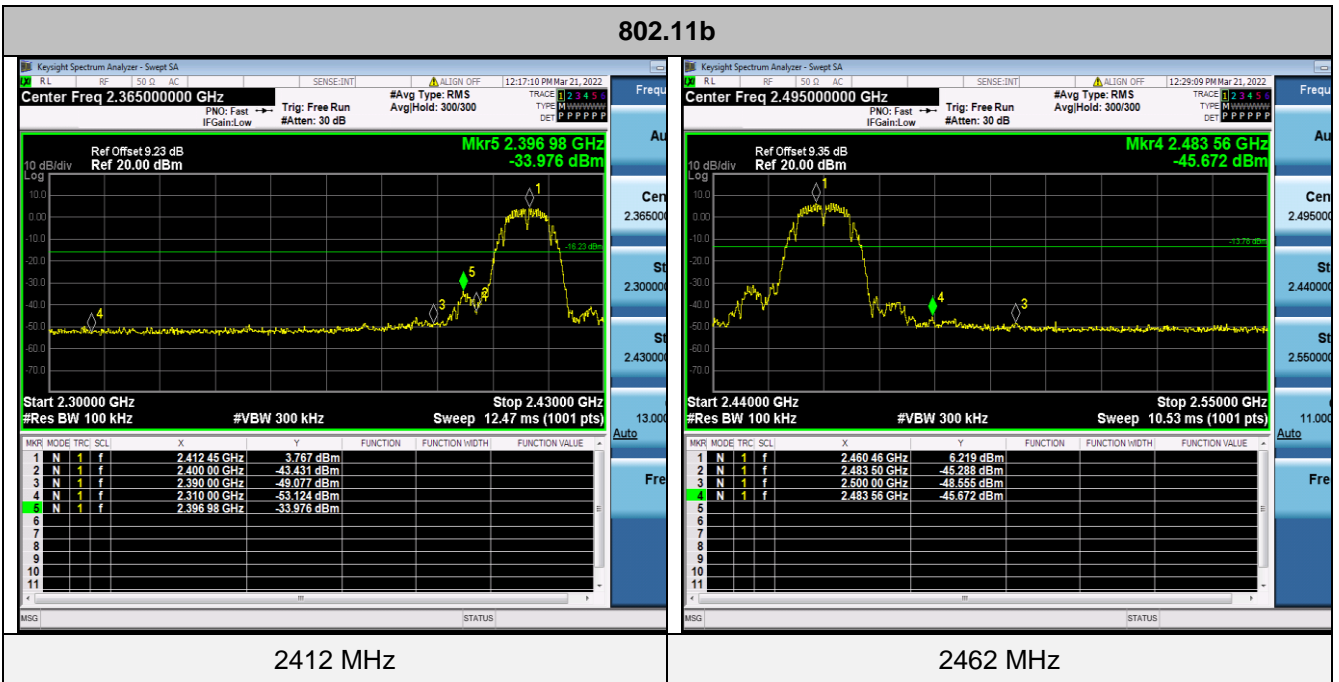
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	2483.6184	38.74	4.63	43.37	74.00	30.63	150	90	PK	Vertical	PASS
2	2483.6334	27.07	4.63	31.70	54.00	22.30	150	20	AV	Vertical	PASS
3	2525.2025	27.97	4.83	32.80	54.00	21.20	150	90	AV	Vertical	PASS
4	2525.2775	41.82	4.83	46.65	74.00	27.35	150	40	PK	Vertical	PASS

- Note: 1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .  
 2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

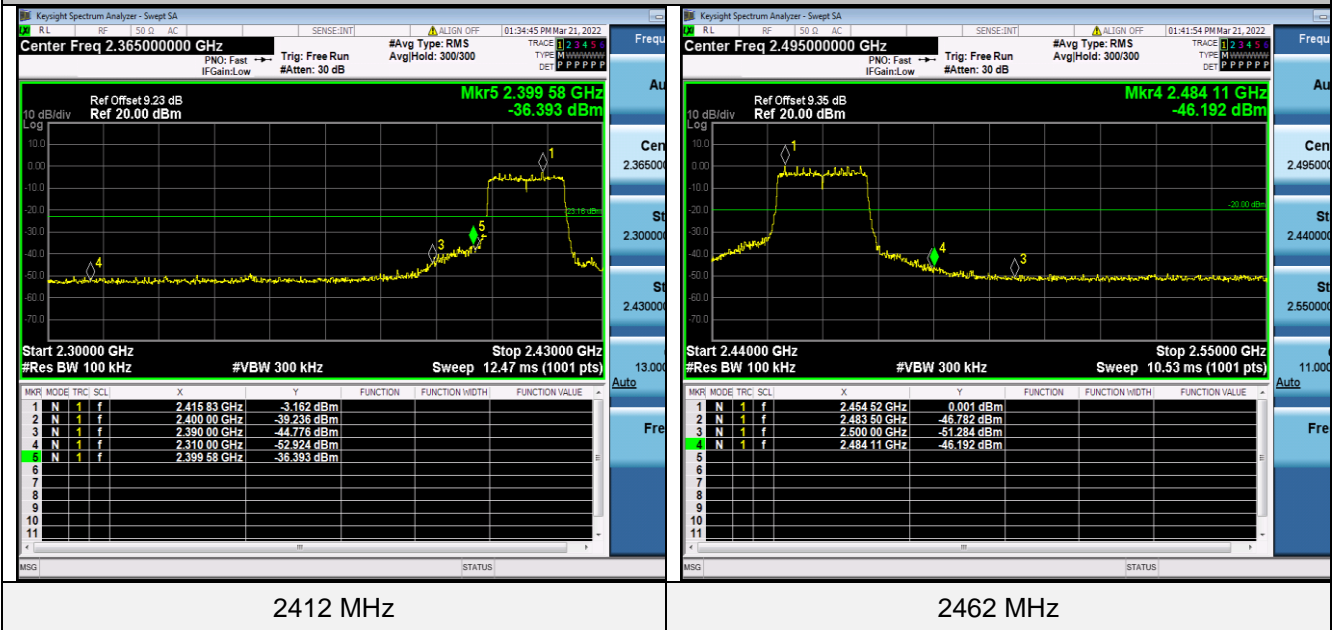
**NOTE: All the modes have been tested and recorded worst mode in the report.**

4.6.2 For Conducted Bandedge Measurement

Temperature	23.4°C	Humidity	52.7%
Test Engineer	Oliver Ou	Configurations	IEEE 802.11b/g/n



802.11n HT20



## 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.

And according to FCC 47 CFR Section 15.247 (c), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

### **Antenna Information**

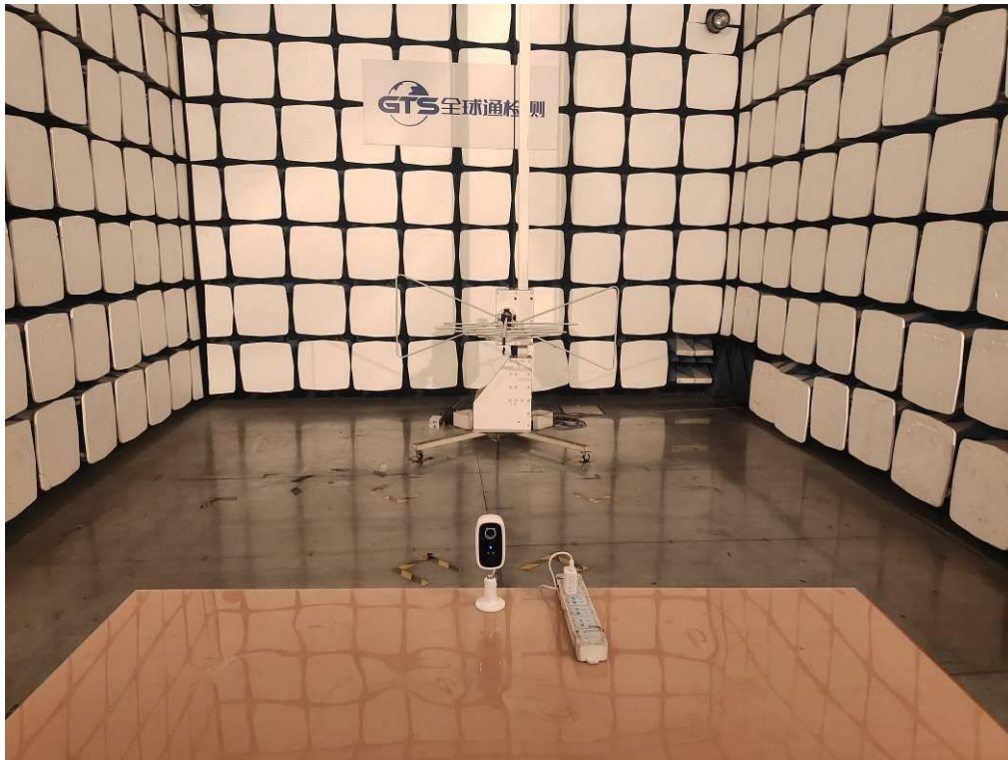
The antenna is FPC Antenna, through the buckle stretched out, The directional gains of antenna used for transmitting is 2.56dBi.

Reference to the **Internal photos**.

## 5. TEST SETUP PHOTOS OF THE EUT

Adapter: TPA-46B050100UU

Radiated Emission

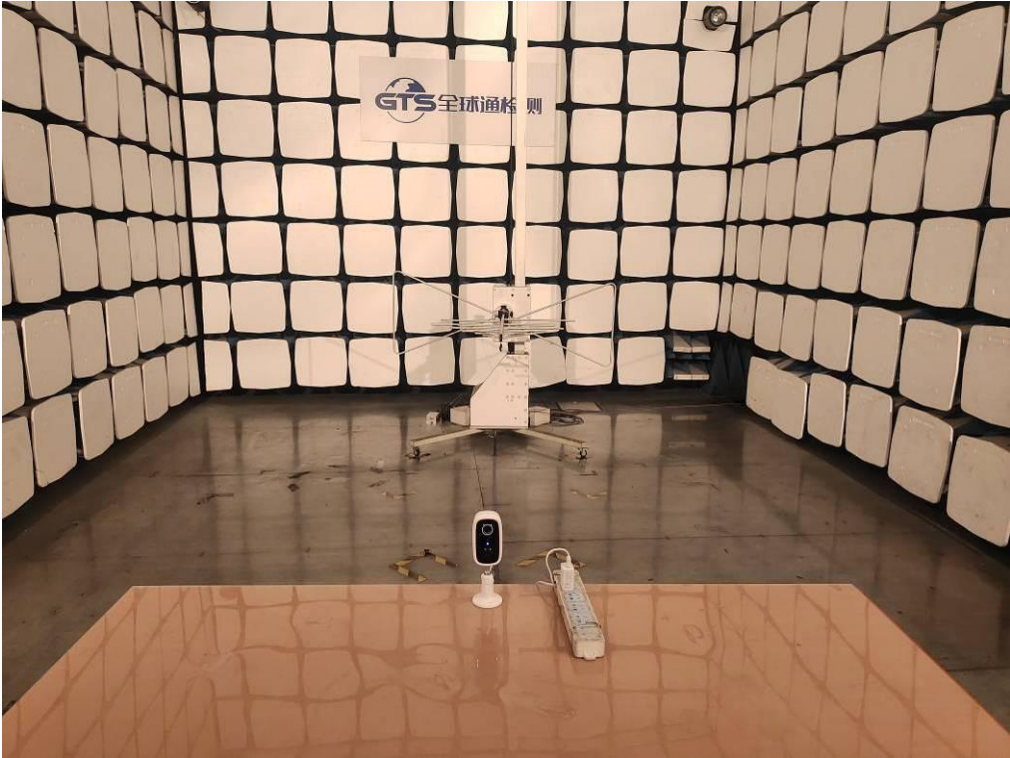


Conducted Emission



Adapter:GTA92-0501000US

Radiated Emission





Conducted Emission



## 6. EXTERNAL AND INTERNAL PHOTOS OF THE EUT



Fig. 1



Fig. 2





Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11

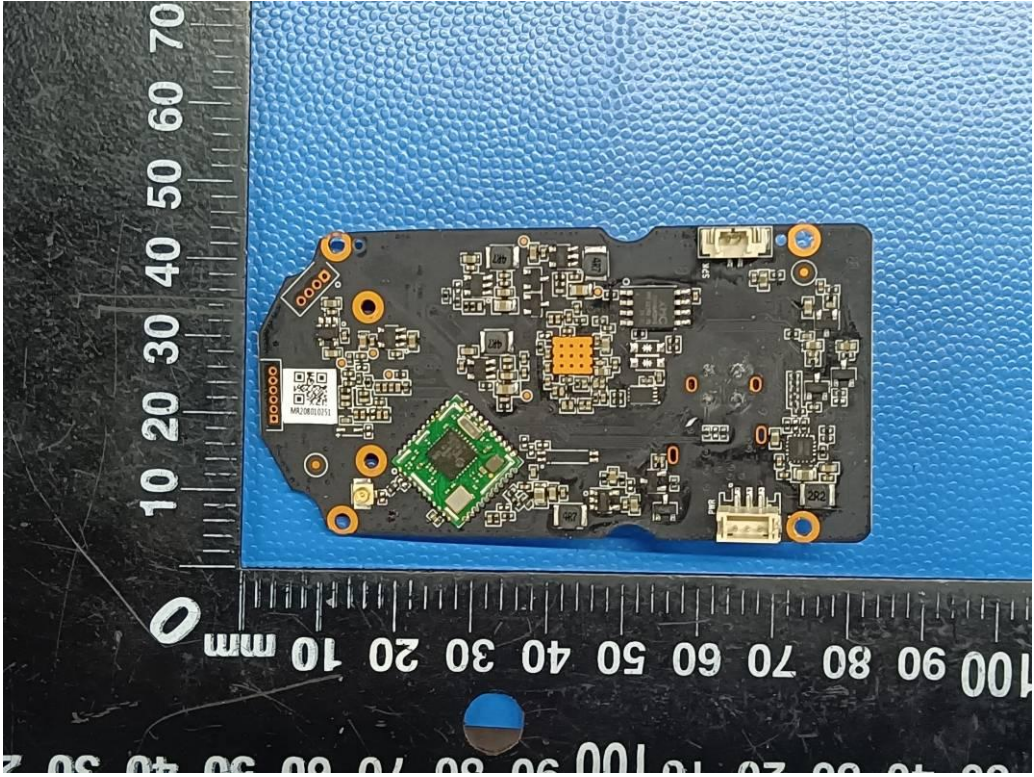


Fig. 12

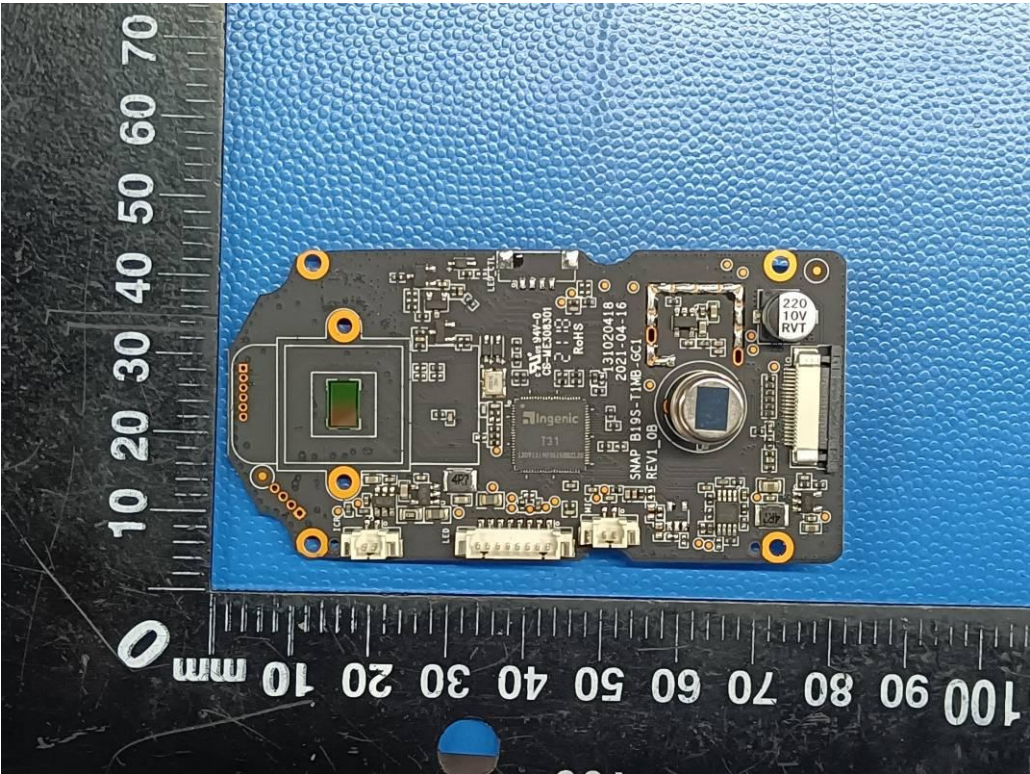


Fig. 13

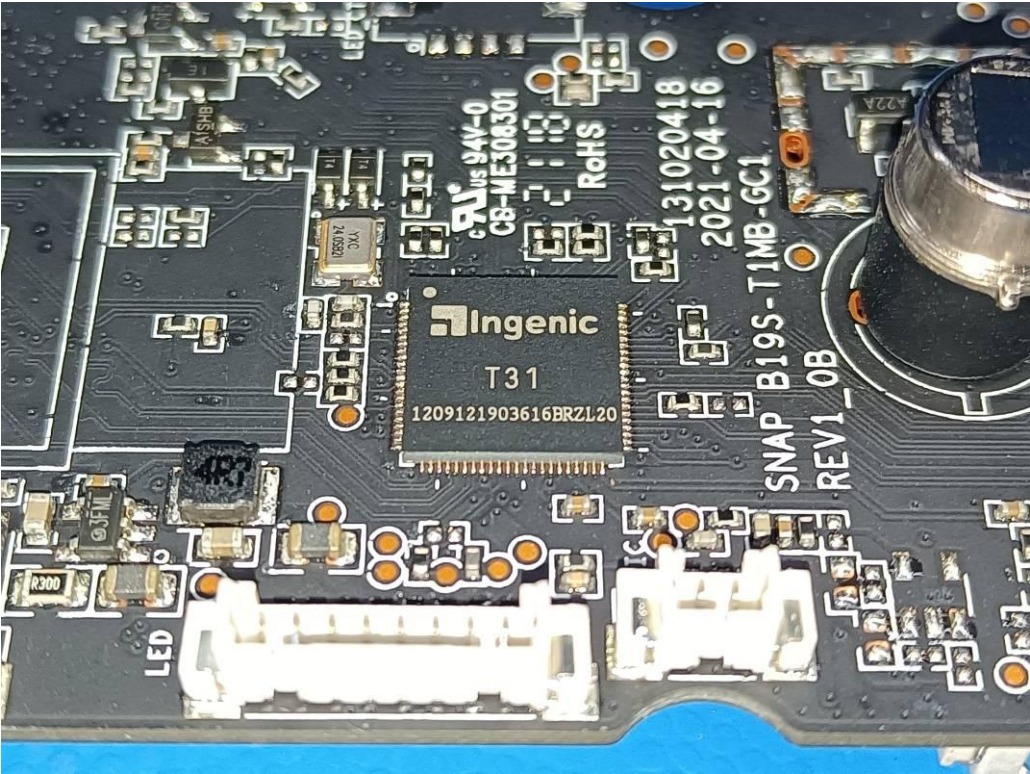


Fig. 14

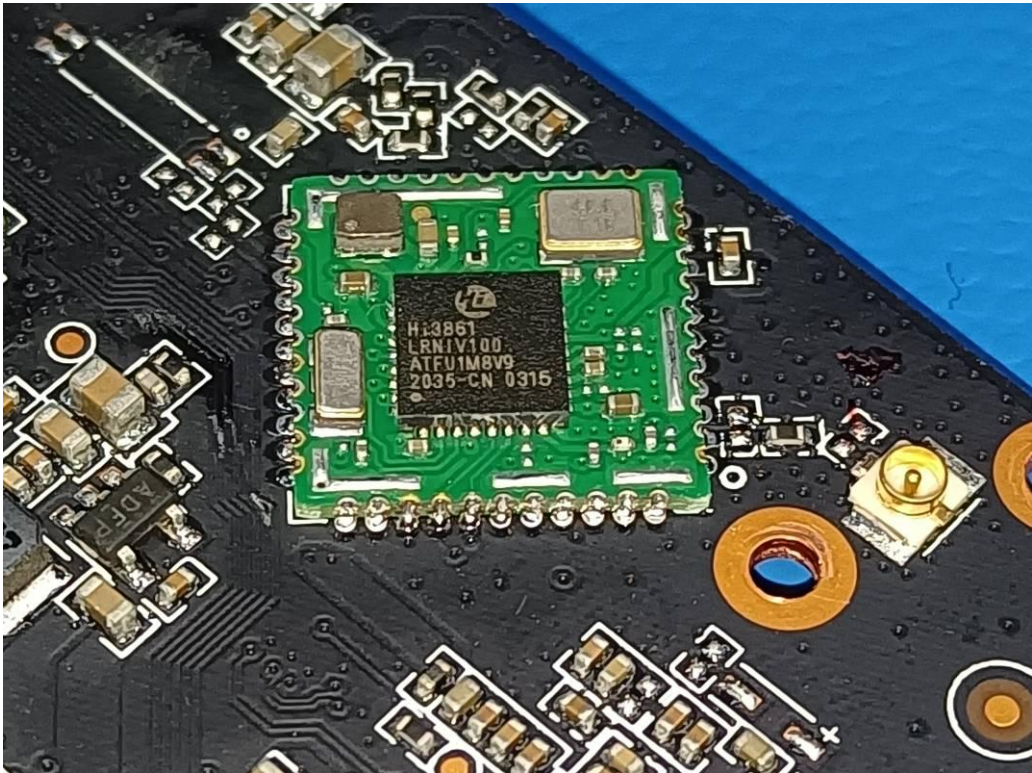


Fig. 15

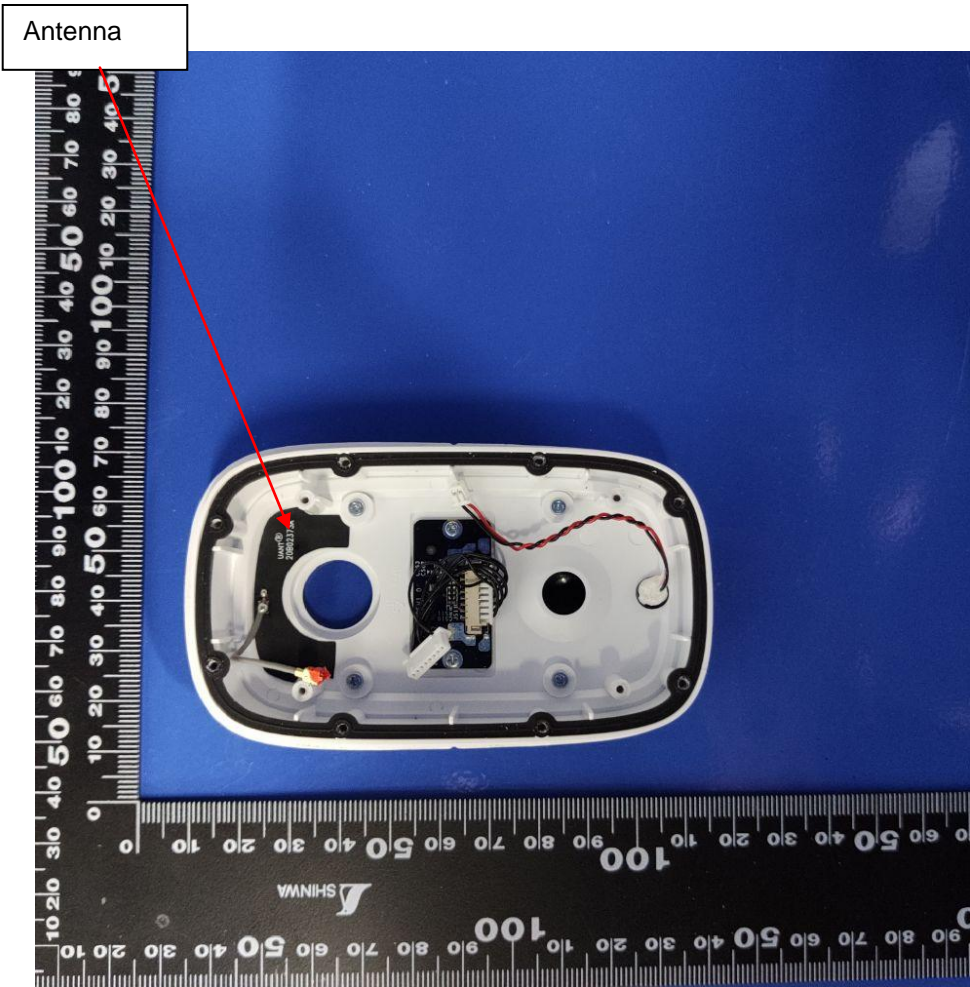


Fig. 16

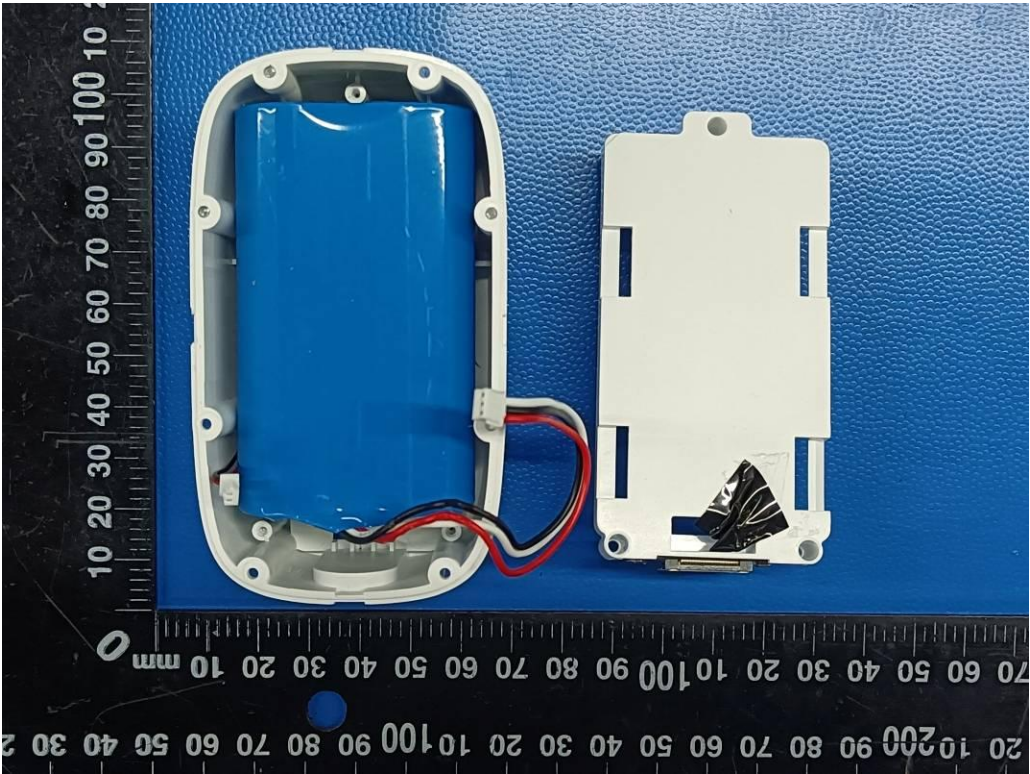


Fig. 17

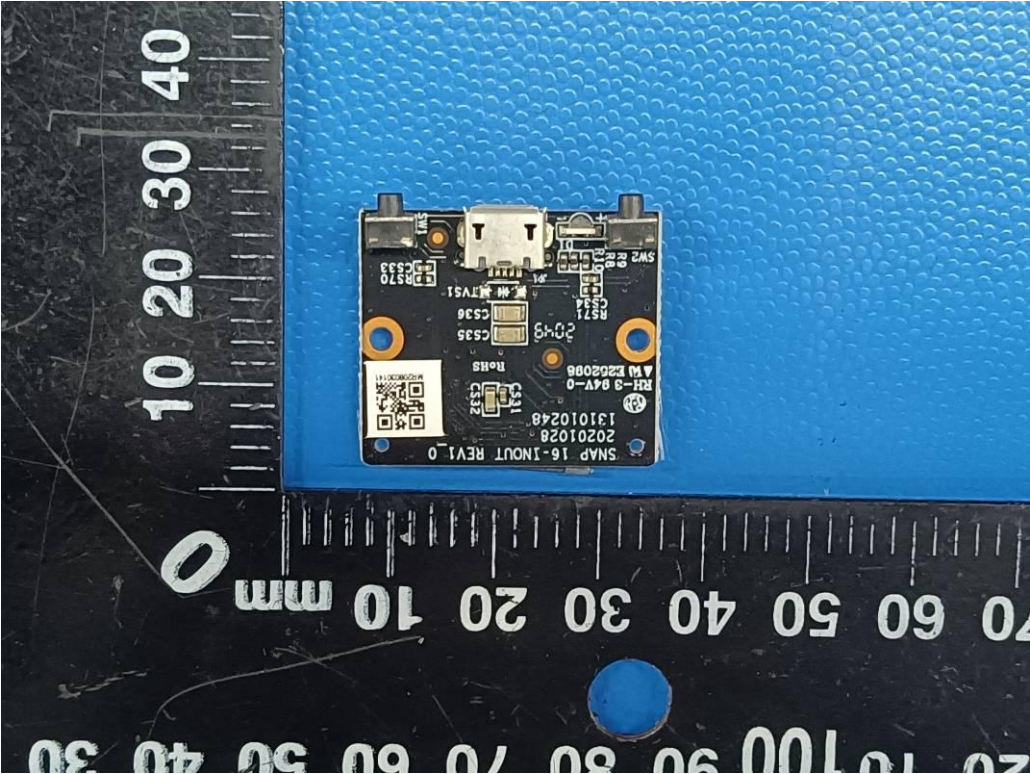


Fig. 18



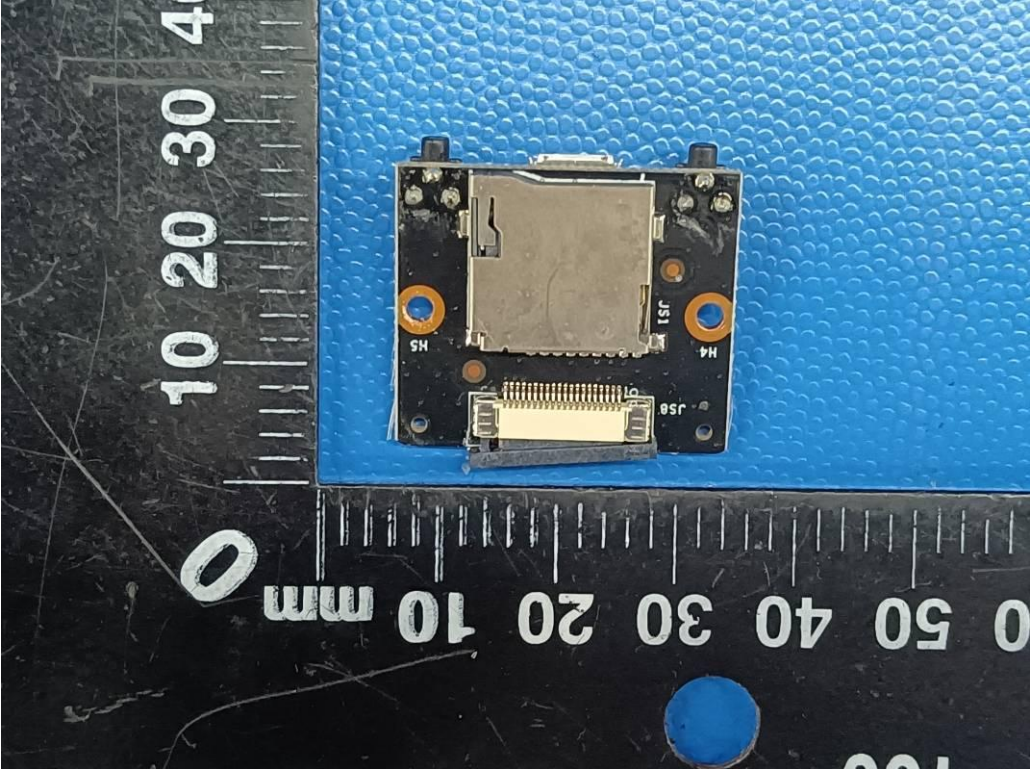


Fig. 19

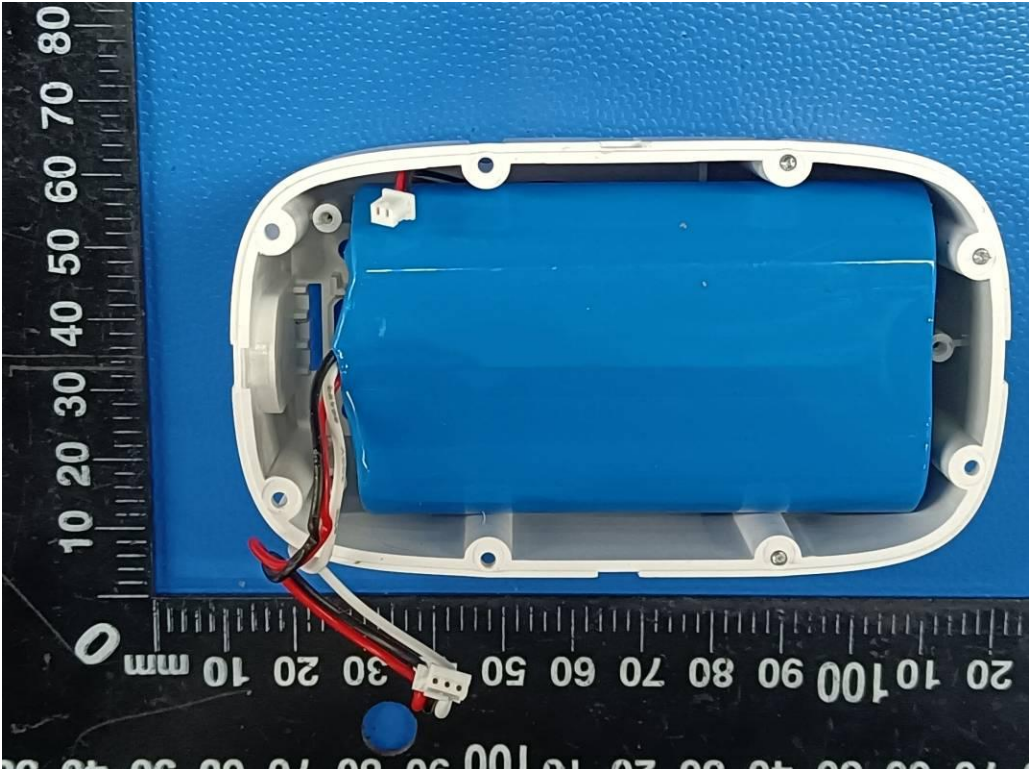


Fig. 20

.....End of Report.....