

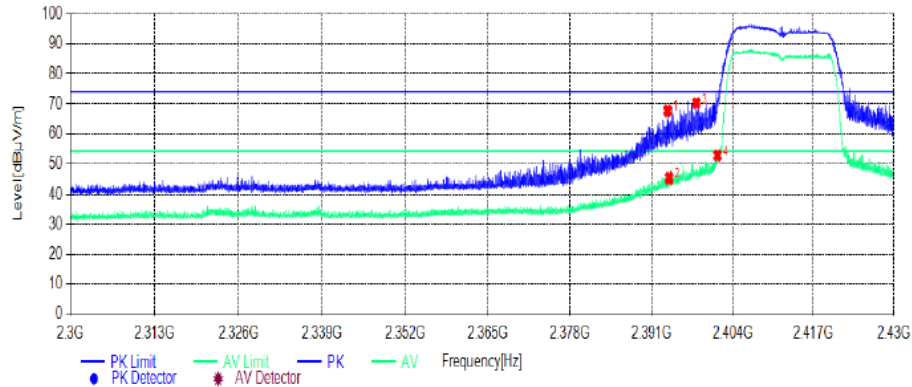
TEST RESULTS

4.6.1 For Radiated Bandedge Measurement

Temperature	23.8°C	Humidity	53.7%
Test Engineer	Oliver Ou	Configurations	IEEE 802.11b/g/n

Horizontal (802.11b-2412MHz)

Test Graph

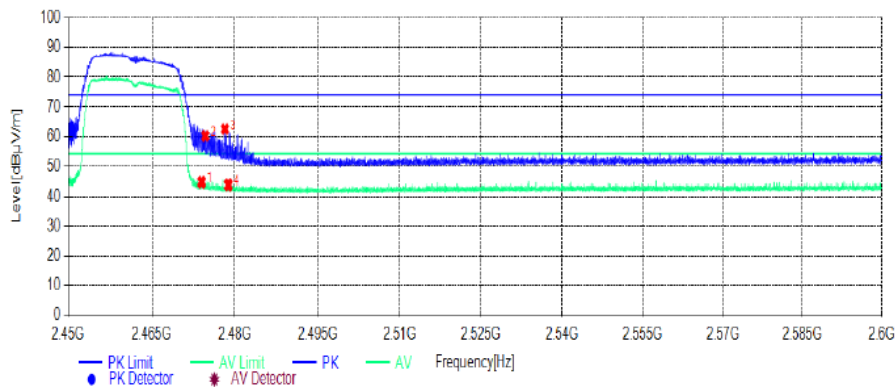


Suspected List								
NO.	Frequency [MHz]	Factor [dB]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	2393.5834	4.26	6.30	150	60	PK	Horizontal	PASS
2	2393.8174	4.26	8.79	150	50	AV	Horizontal	PASS
3	2398.1728	4.27	3.74	150	150	PK	Horizontal	PASS
4	2401.5532	4.28	1.35	150	40	AV	Horizontal	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).

Horizontal (802.11b-2462MHz)

Test Graph

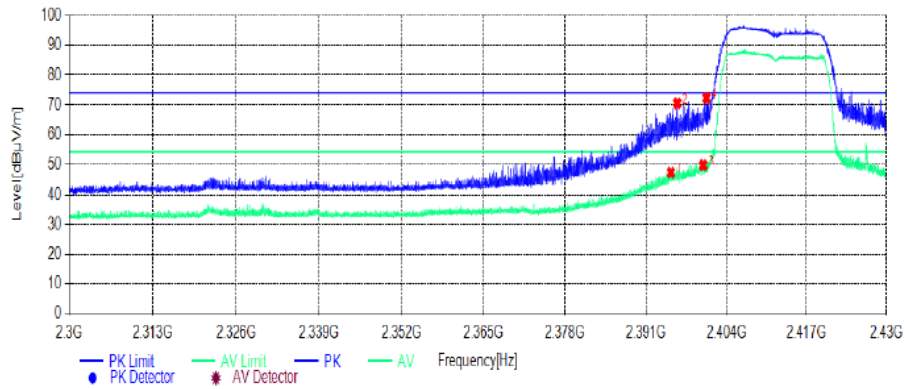


Suspected List								
NO.	Frequency [MHz]	Factor [dB]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	2473.9724	4.57	9.37	150	170	AV	Horizontal	PASS
2	2474.6625	4.58	13.91	150	260	PK	Horizontal	PASS
3	2478.1878	4.60	11.59	150	190	PK	Horizontal	PASS
4	2478.8029	4.60	10.25	150	300	AV	Horizontal	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-2412MHz)

Test Graph



Suspected List

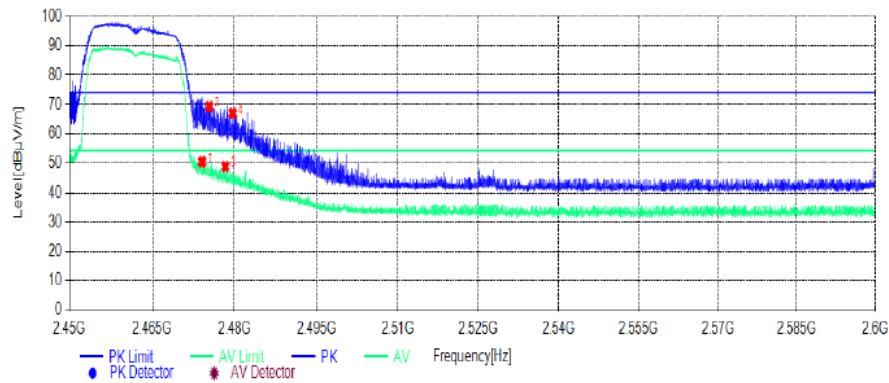
NO.	Frequency [MHz]	Factor [dB]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	2395.0395	4.27	6.93	150	180	AV	Vertical	PASS
2	2396.0666	4.27	3.49	150	290	PK	Vertical	PASS
3	2400.2530	4.28	4.43	150	100	AV	Vertical	PASS
4	2400.7601	4.28	1.70	150	260	PK	Vertical	PASS

Note: 1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical(802.11b-2462MHz)

Test Graph



Suspected List

NO.	Frequency [MHz]	Factor [dB]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	2474.0624	4.57	3.76	150	100	AV	Vertical	PASS
2	2475.3975	4.58	4.79	150	60	PK	Vertical	PASS
3	2478.3228	4.60	5.39	150	90	AV	Vertical	PASS
4	2479.6430	4.61	7.09	150	50	PK	Vertical	PASS

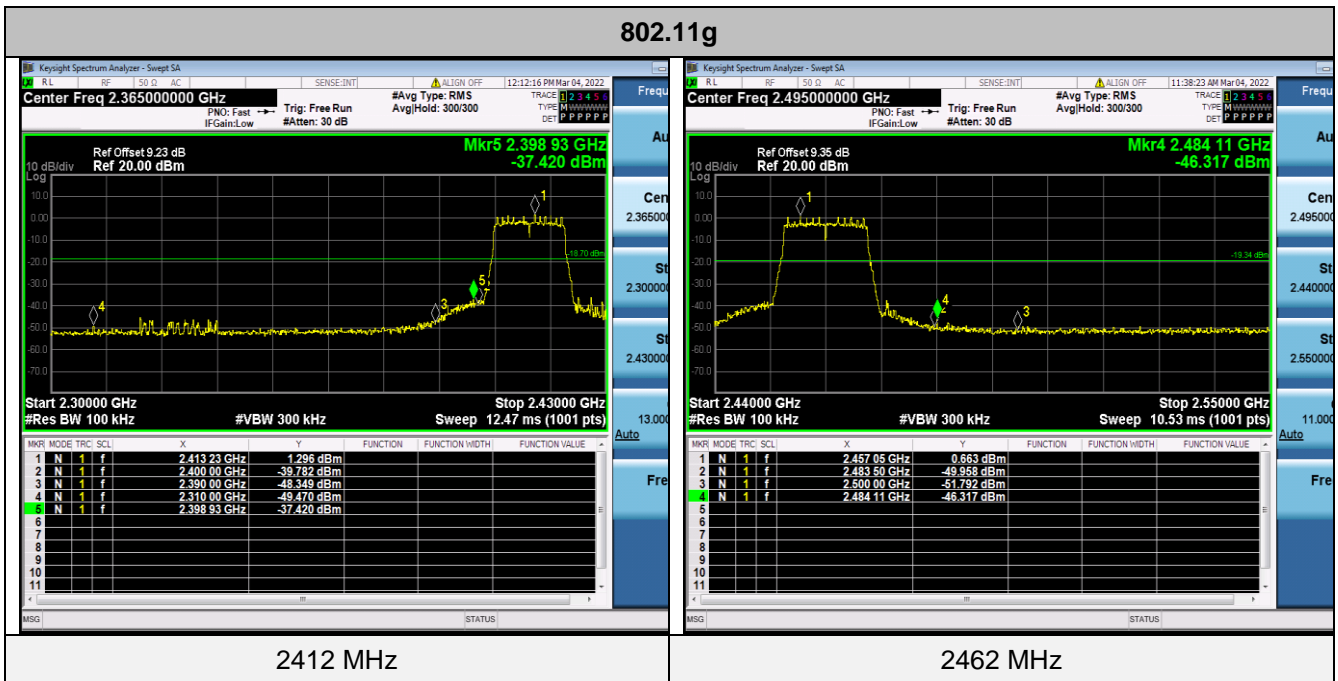
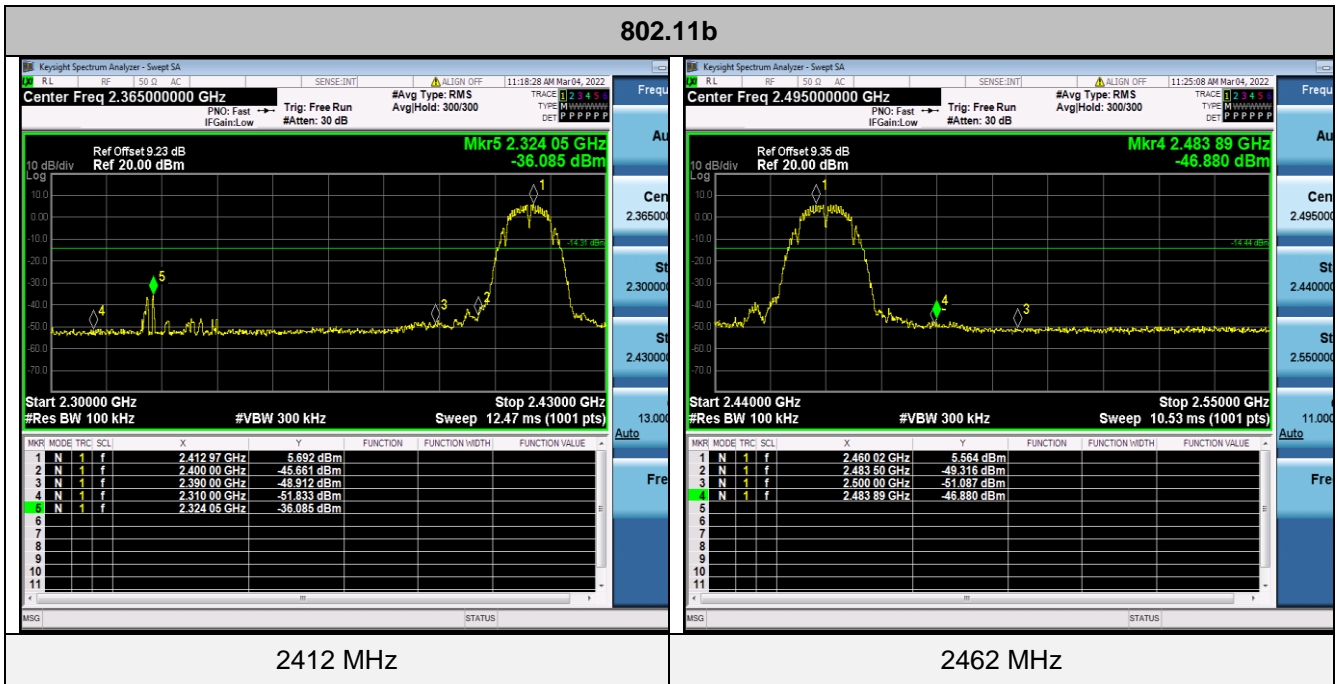
Note: 1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

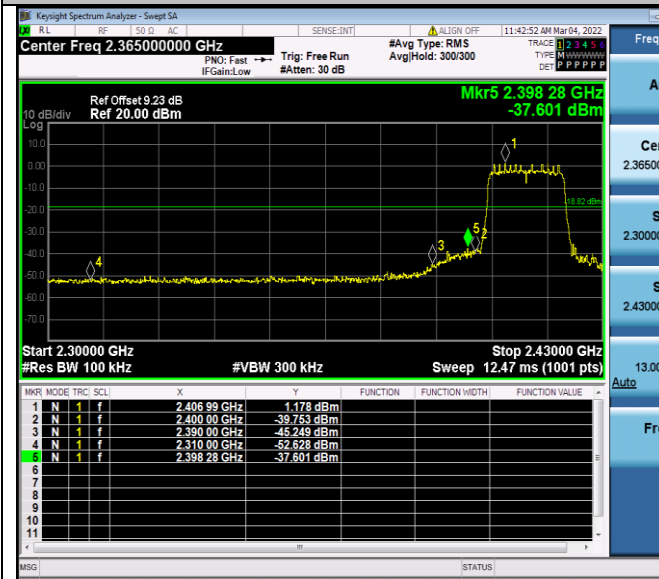
NOTE: All the modes have been tested and recorded worst mode in the report.

4.6.2 For Conducted Bandedge Measurement

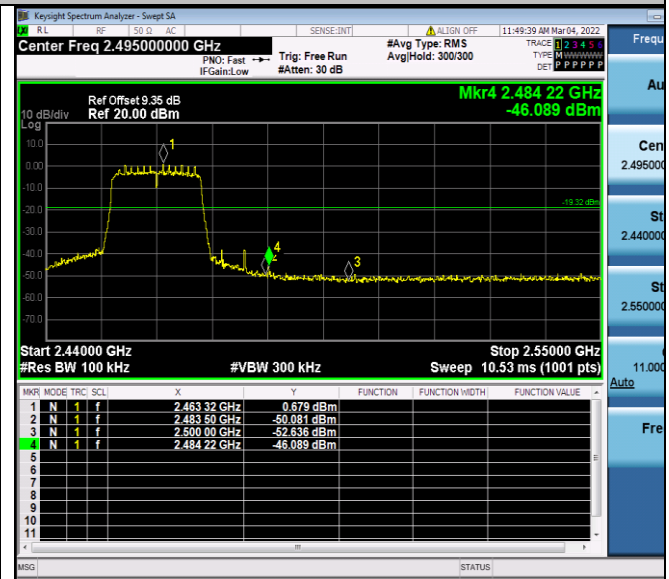
Temperature	23.4°C	Humidity	52.7%
Test Engineer	Oliver Ou	Configurations	IEEE 802.11b/g/n



802.11n HT20

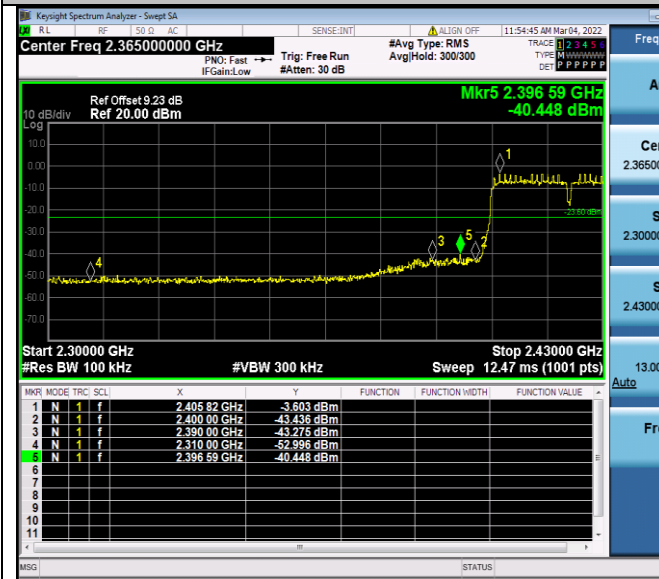


2412 MHz

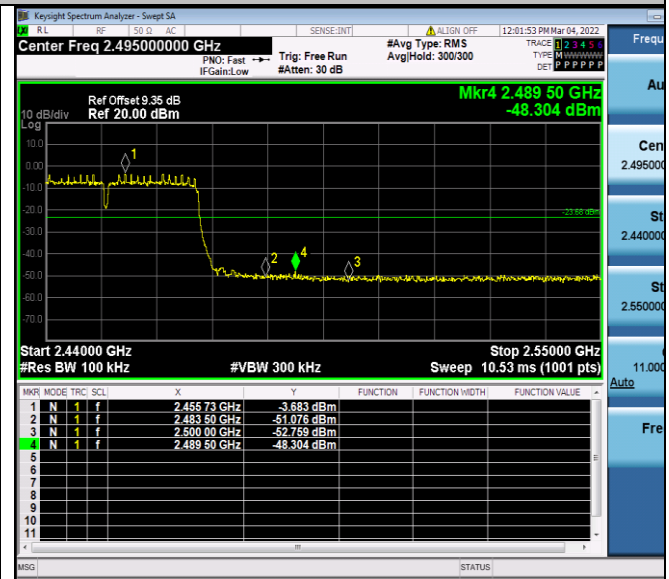


2462 MHz

802.11n HT40



2422 MHz



2452 MHz

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

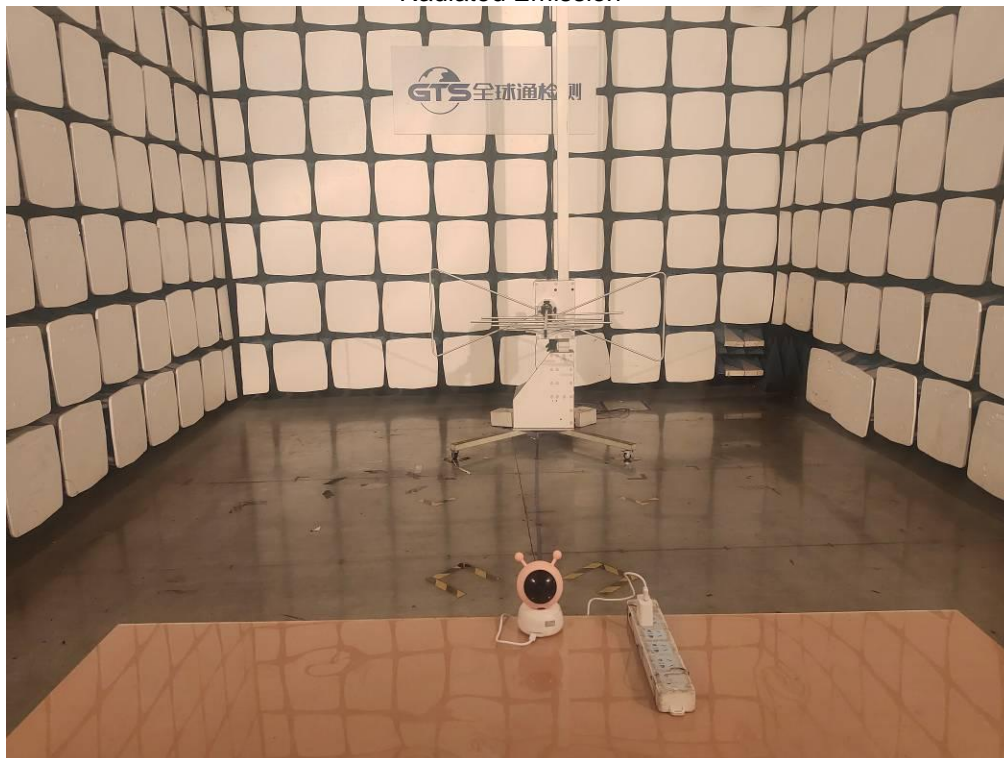
The antenna is FPC Antenna, through the buckle stretched out, The directional gains of antenna used for transmitting is 2.25dBi.

Reference to the **Internal photos**.

5. TEST SETUP PHOTOS OF THE EUT

Adapter: TPA-46B050100UU

Radiated Emission

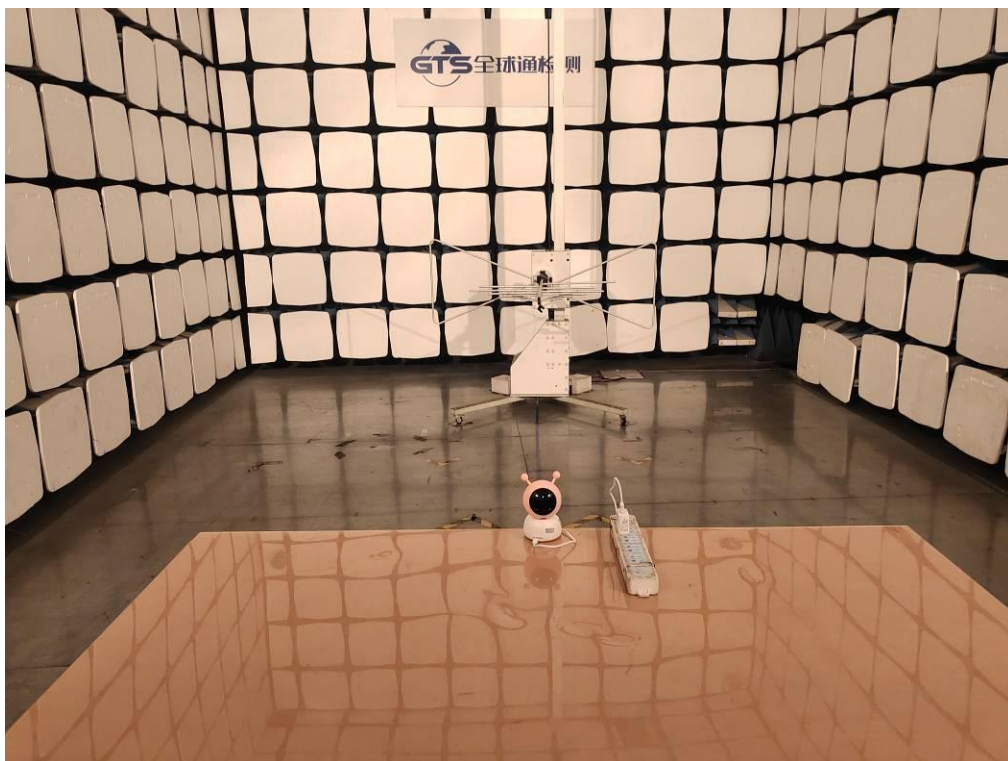


Conducted Emission



Adapter:GTA92-0501000US

Radiated Emission





Conducted Emission



6. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

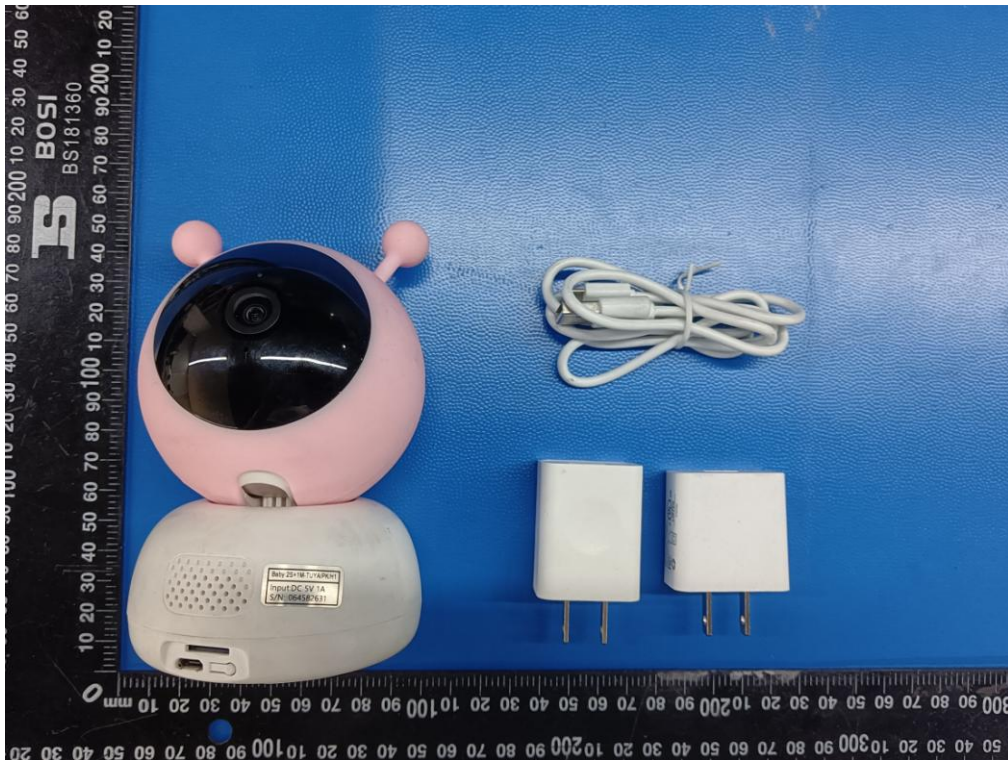


Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

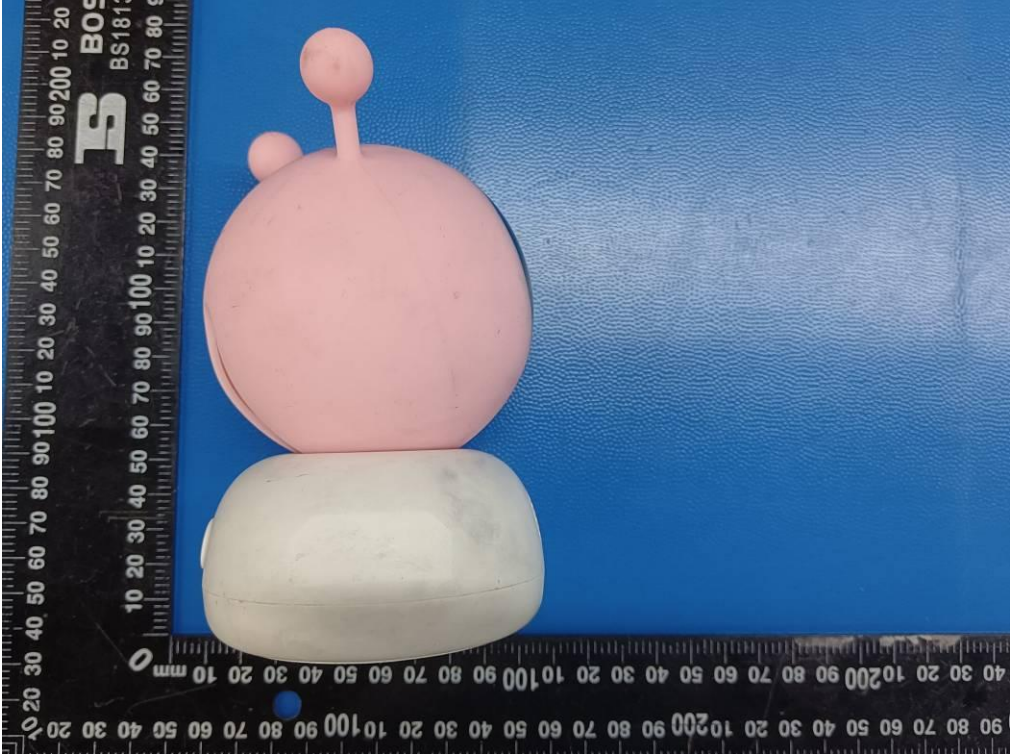


Fig. 7

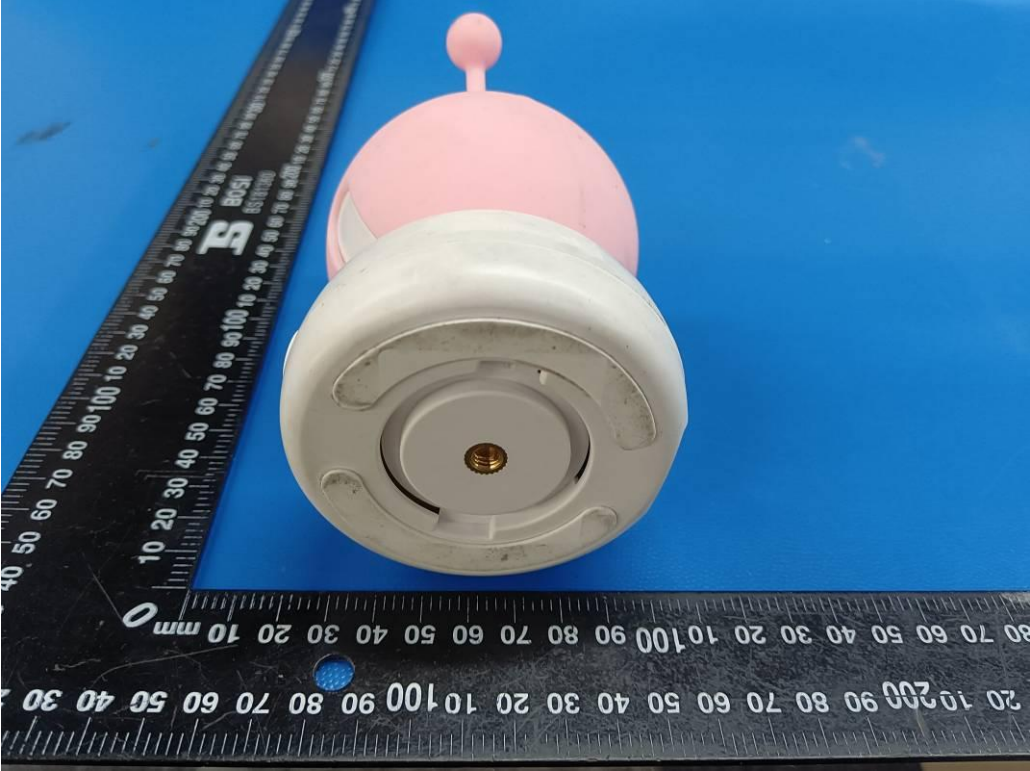


Fig. 8

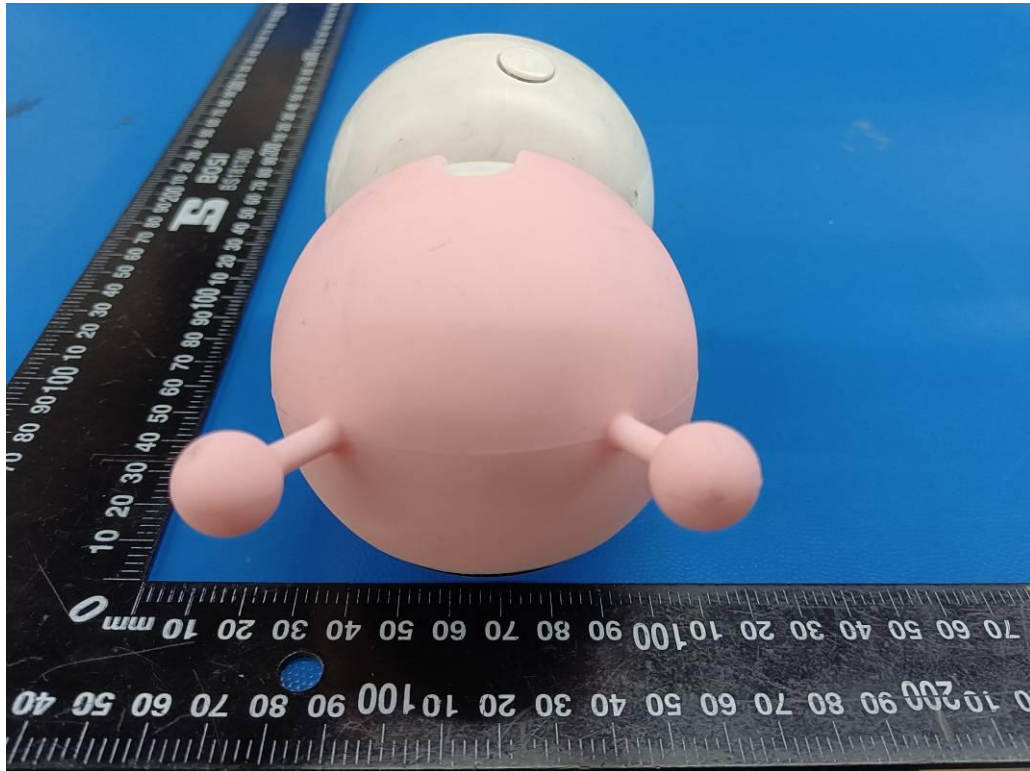


Fig. 9

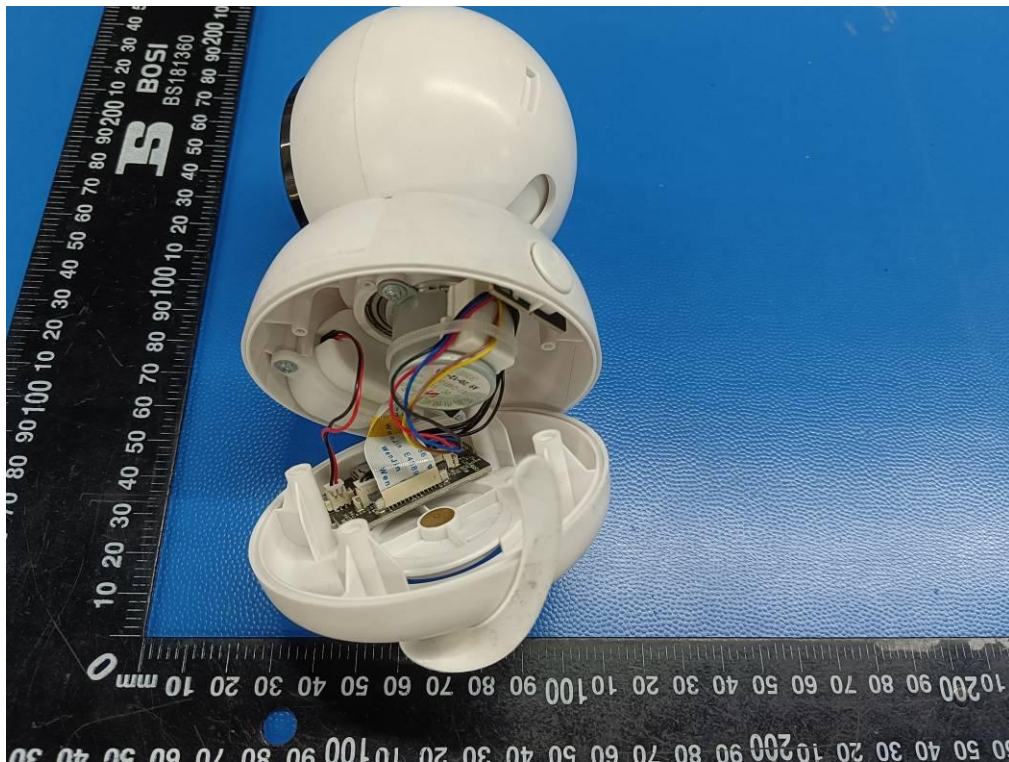


Fig. 10

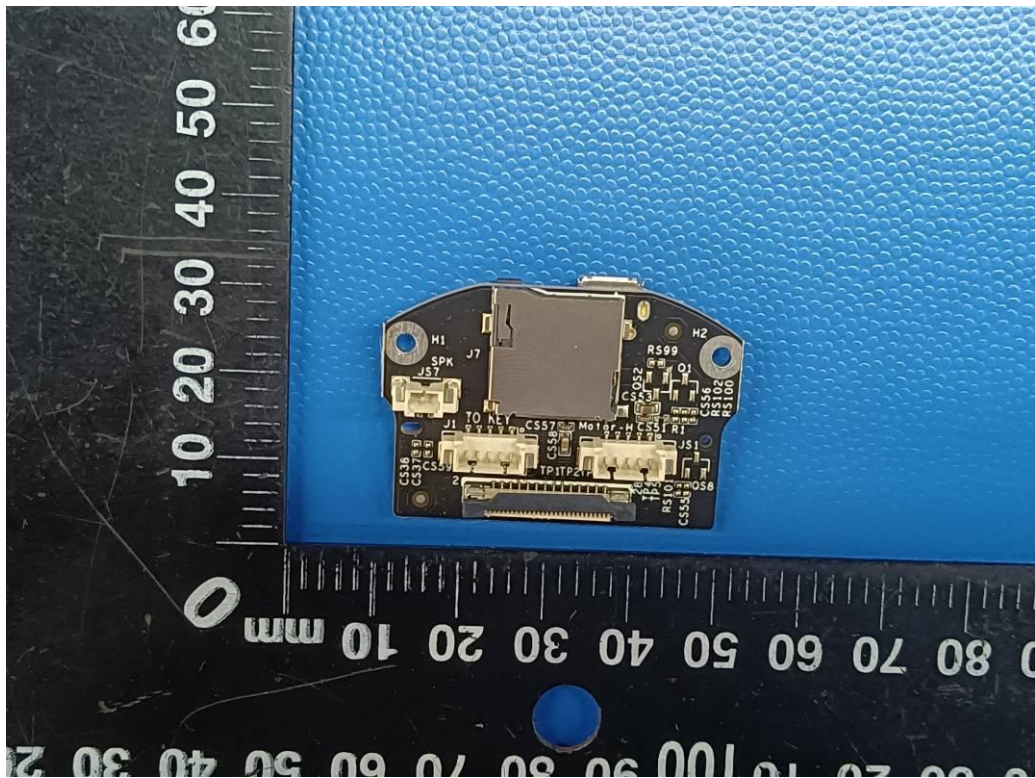


Fig. 11

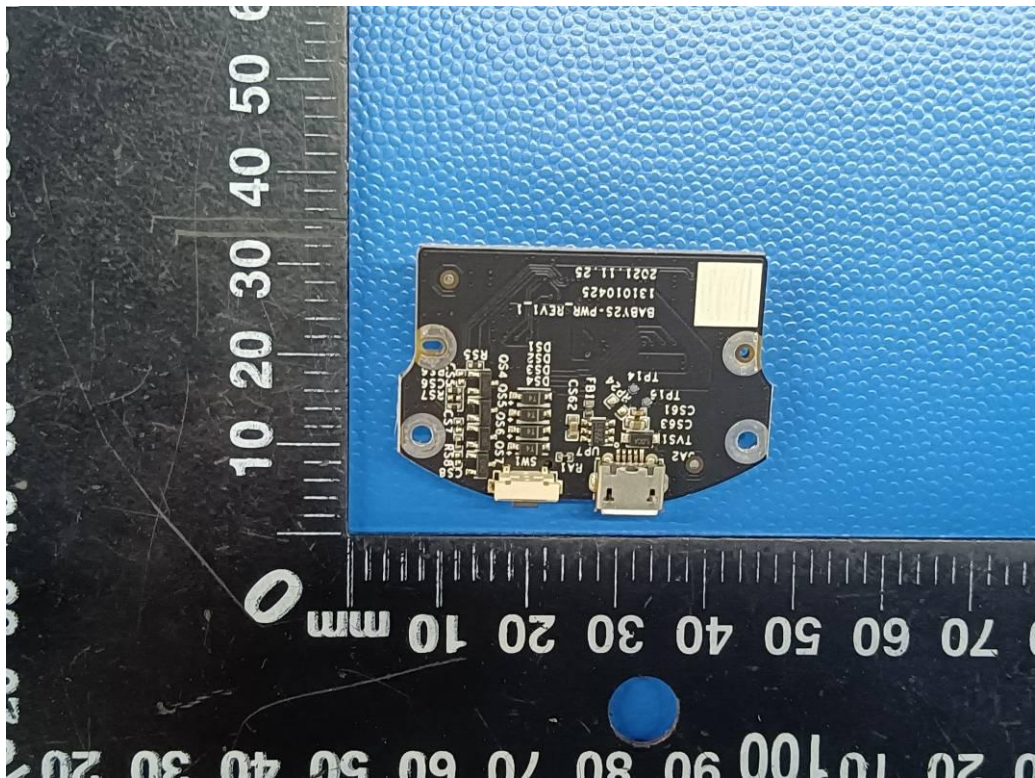


Fig. 12



Fig. 13



Fig. 14

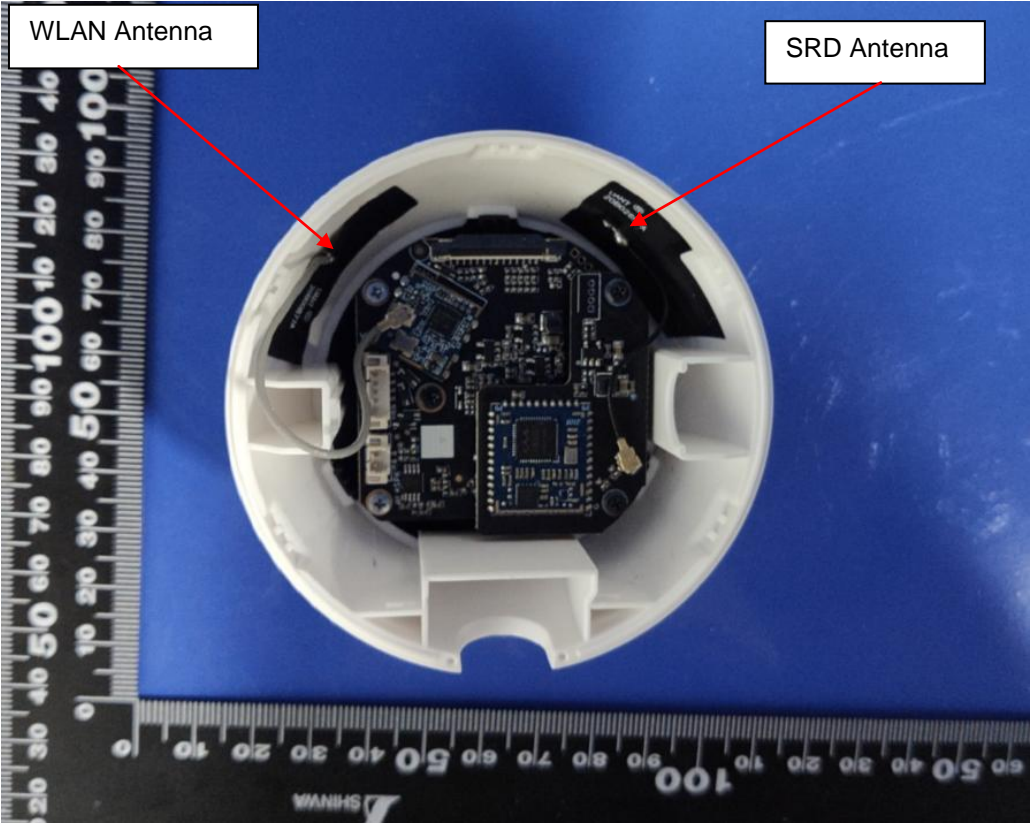


Fig. 15

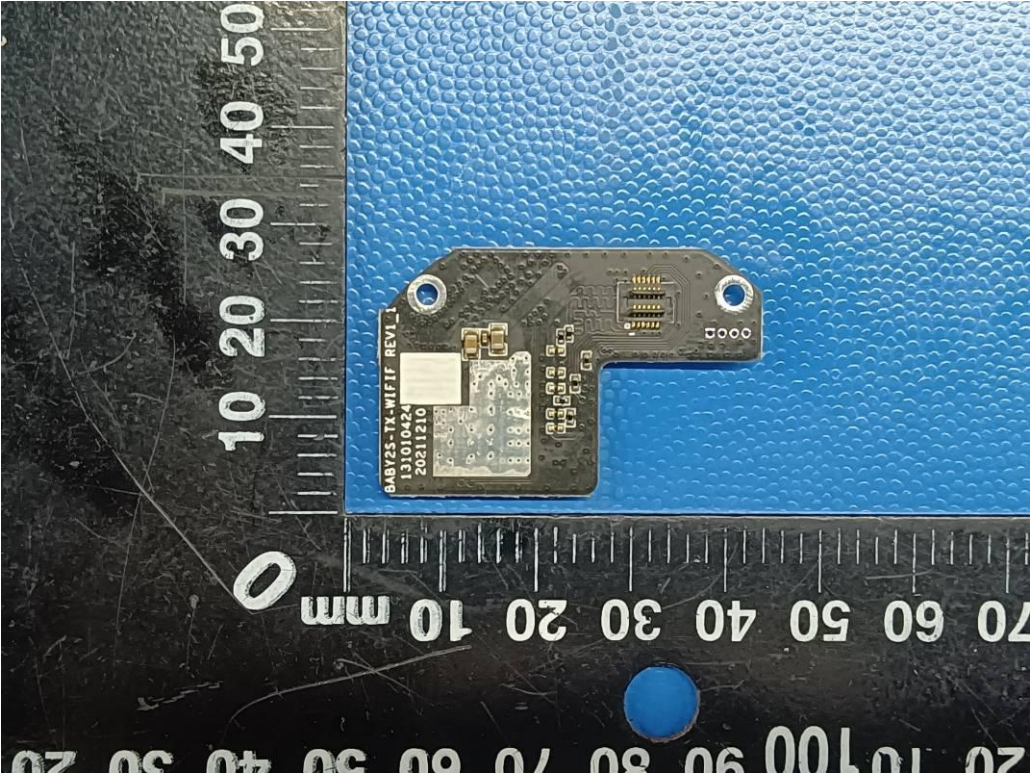


Fig. 16

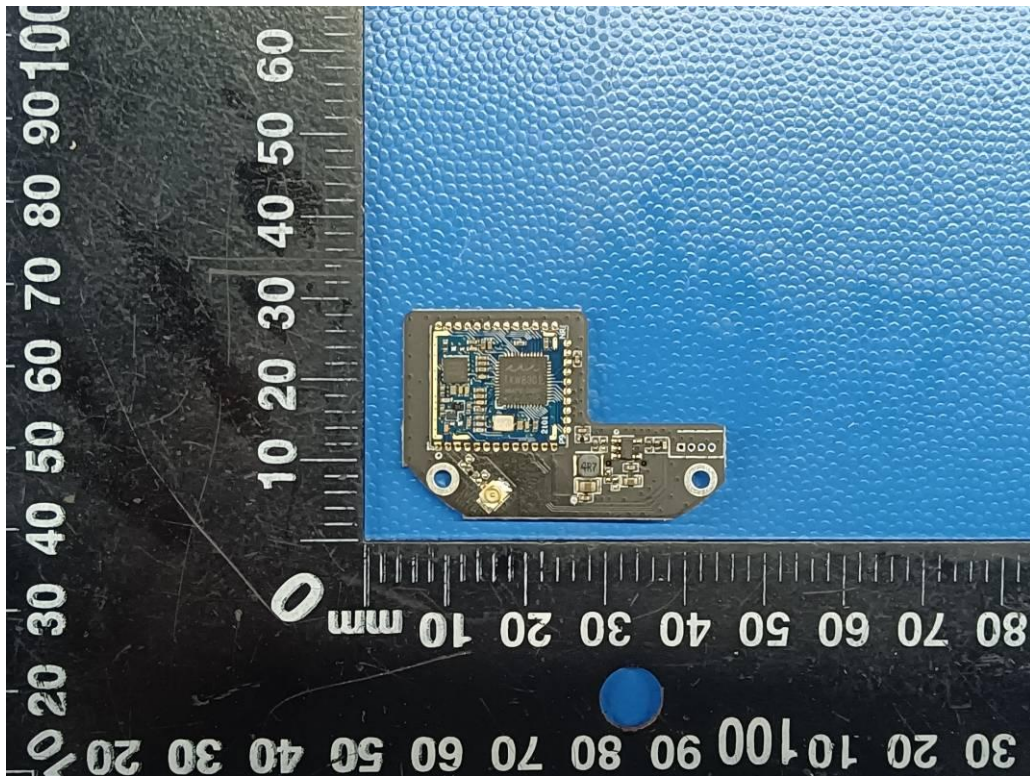


Fig. 17

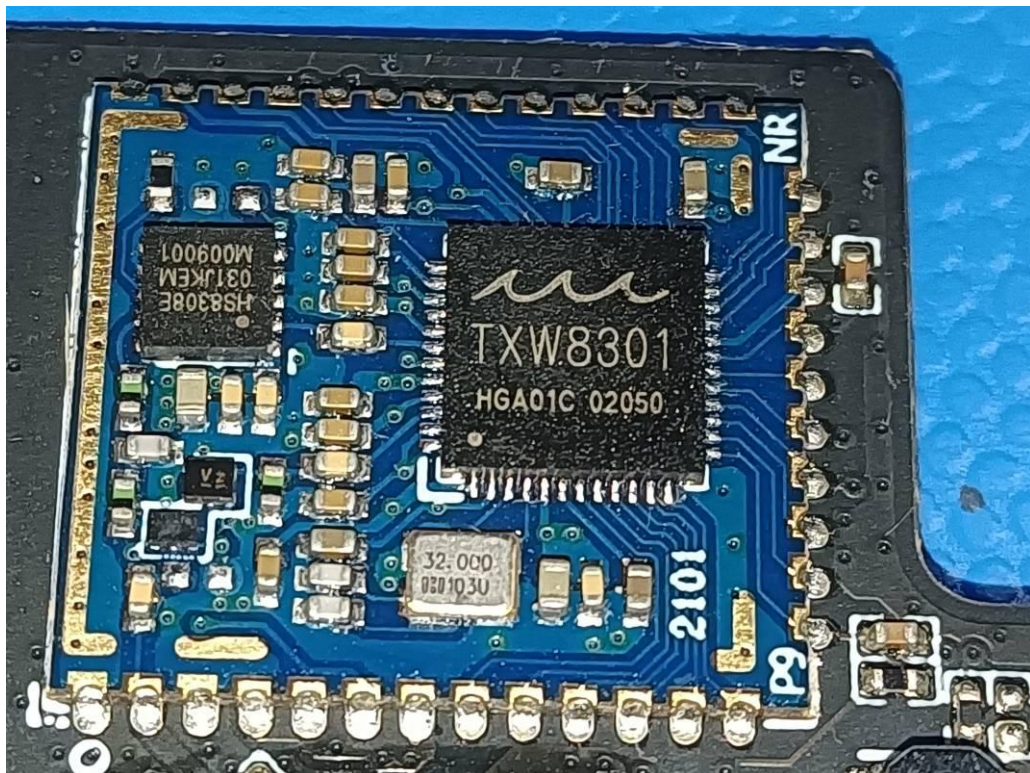


Fig. 18

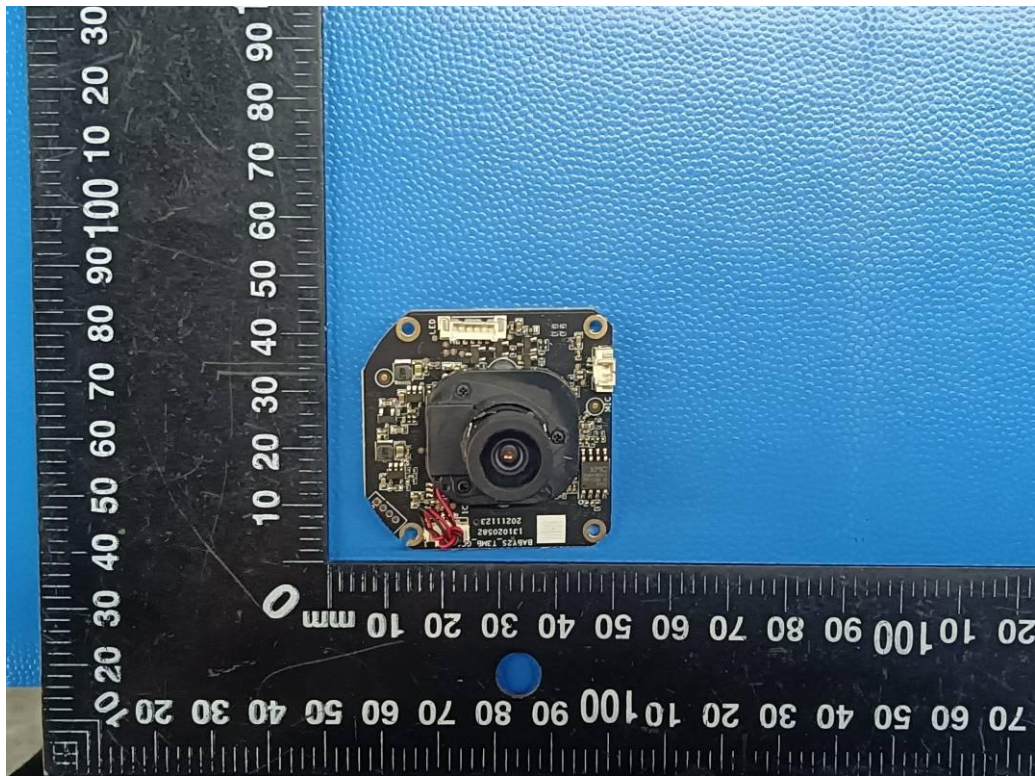


Fig. 19

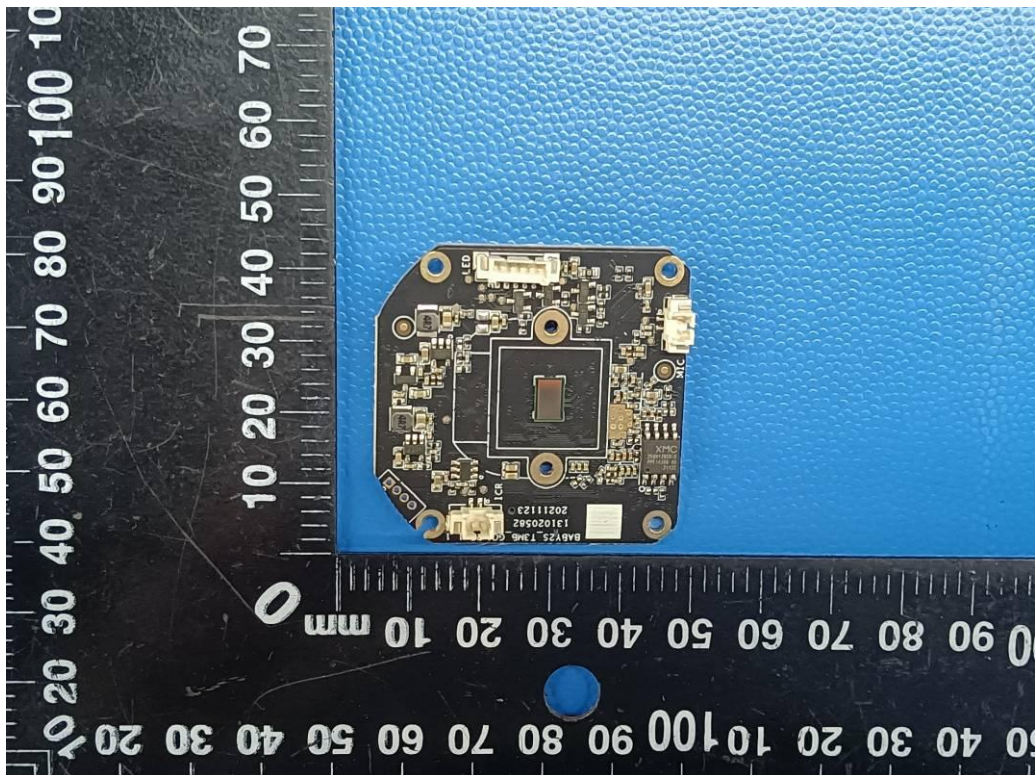


Fig. 20

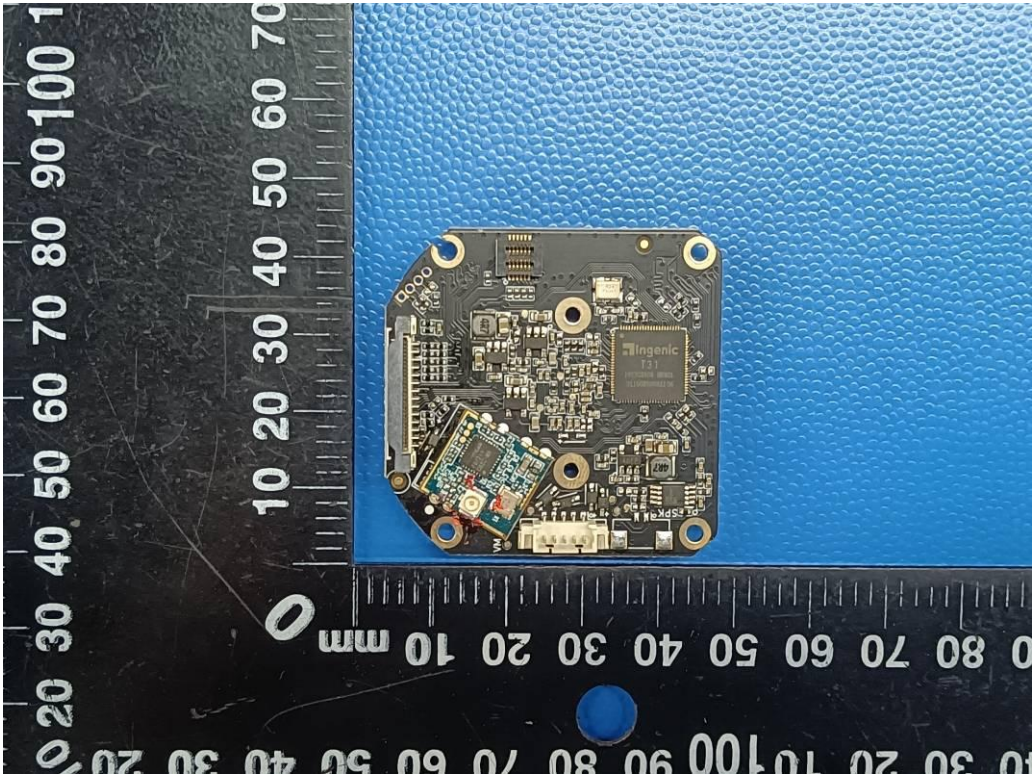


Fig. 21

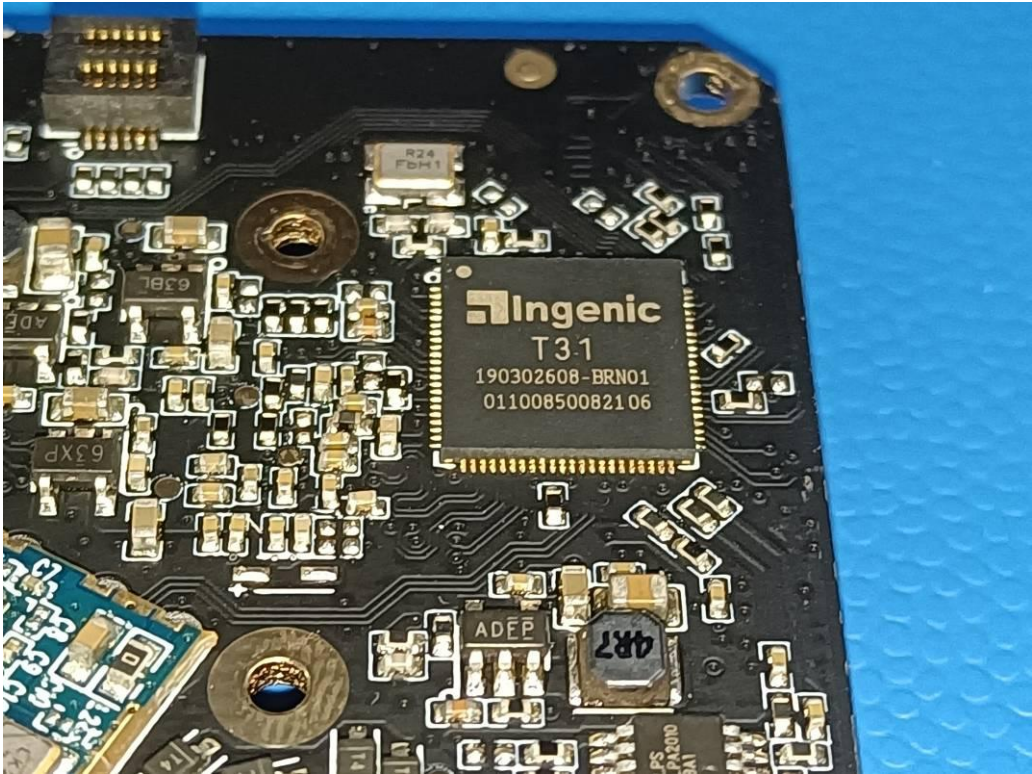


Fig. 22

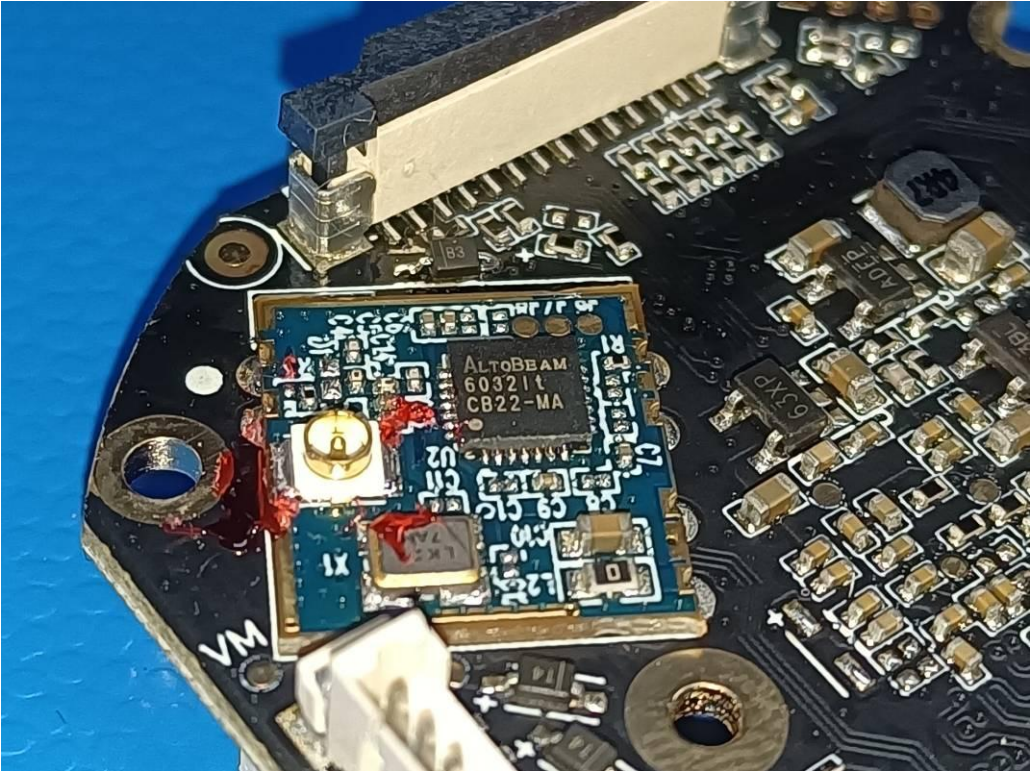


Fig. 23

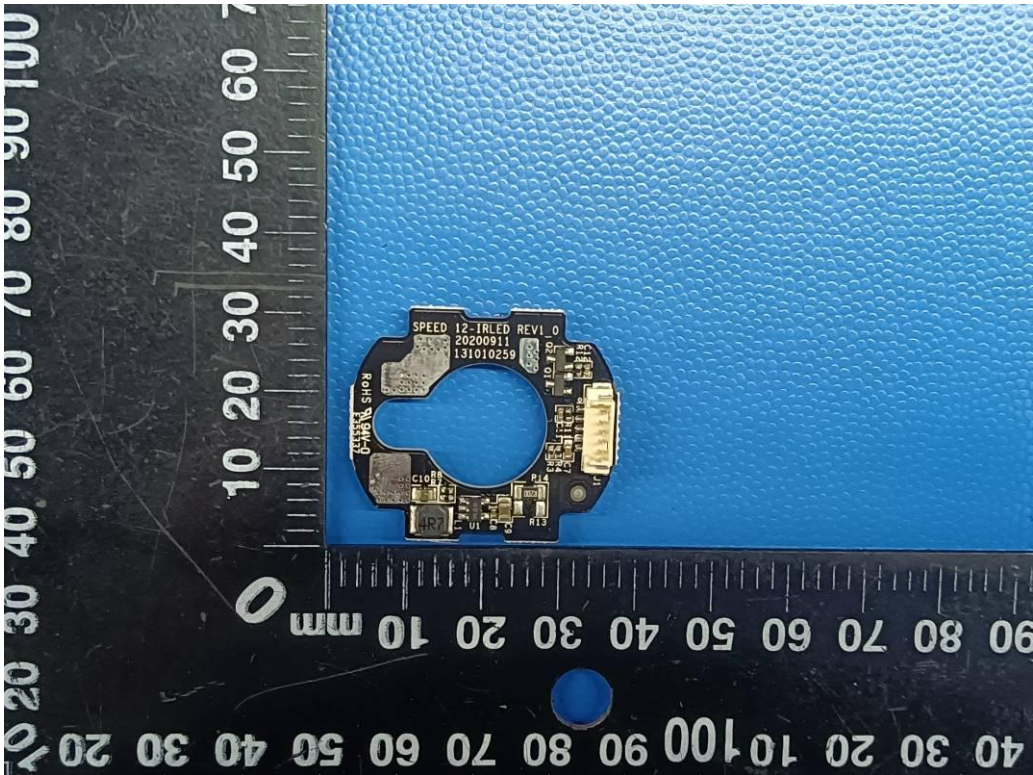


Fig. 24

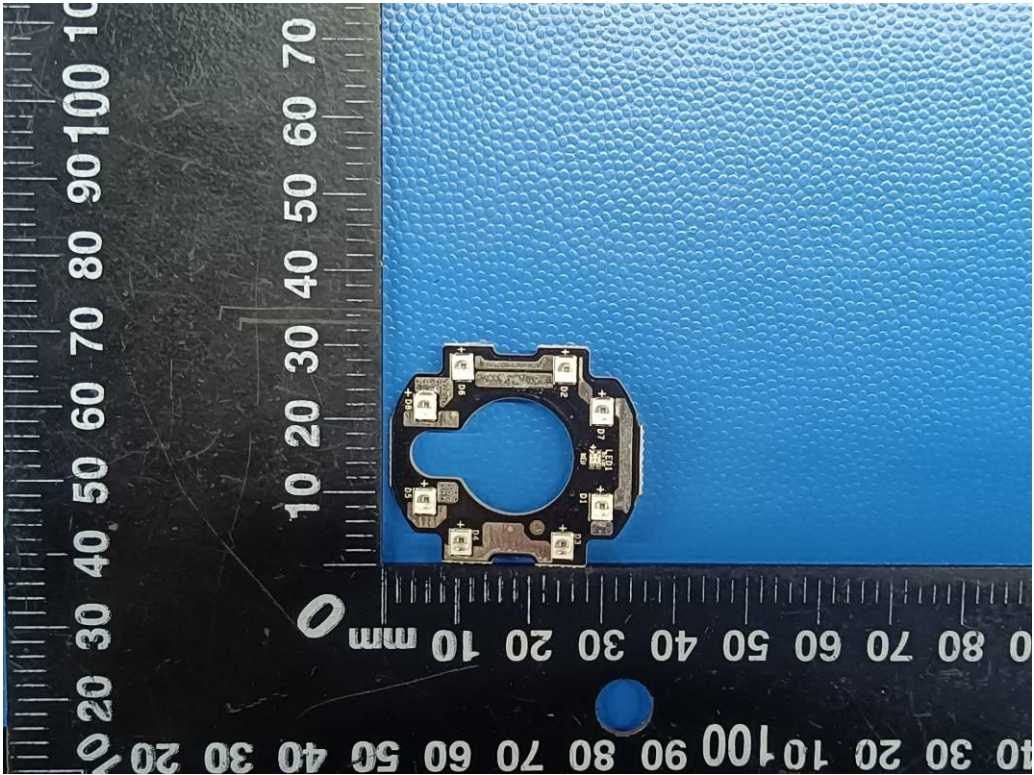


Fig. 25

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