



FCC PART 15 SUBPART B:2023 MEASUREMENT AND TEST REPORT

For

MIBUDDY PET TECHNOLOGY CO.,LTD.
8 THE GREEN STE A DOVER KENT DE 19901

FCC ID: 2BTUO-MAI01

Model: MAI01

February 27, 2026

This Report Concerns: ☒ Original Report	Equipment Type: Smart Collar
Test Engineer:	Ethan Dai / <i>Ethan Dai</i>
Report Number:	QCT26BR-0011E-01
Test Date:	Feb. 01, 2026~Feb. 27, 2026
Test Result:	Pass
Reviewed By:	Acob Ye / <i>Acob Ye</i>
Approved By:	Kendy Wang / <i>Kendy Wang</i>
Shenzhen QC Testing Laboratory Co., Ltd. East of 1/F., Building E, Xinghong Science Park, No.111, Shuiku Road, Fenghuanggang, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China. Tel: 0755-23008269 Fax: 0755-23726780	





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1 - GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant: MIBUDDY PET TECHNOLOGY CO.,LTD.
Address of applicant: 8 THE GREEN STE A DOVER KENT DE 19901
Manufacturer: MIBUDDY PET TECHNOLOGY CO.,LTD.
Address of manufacturer: 8 THE GREEN STE A DOVER KENT DE 19901
Factory: BEIJING CHONG YOUDAO TECHNOLOGY CO., LTD.
Address of Factory: ROOM 08A8050, BLOCK D, 8TH FLOOR, NO. 28 JIA XINXI ROAD, HAIDIAN DISTRICT, BEIJING

General Description of E.U.T

EUT Description: Smart Collar
Trade Mark: Mibuddy
Model No.: MAI01
Test Model No.: MAI01
Rated Voltage: DC 5V
Sample No.: Y26A0011E01WC
Highest internal frequency: > 108MHz
Adapter Information: N/A

Remark: * The test data gathered are from the production sample provided by the manufacturer.

* All models have the same circuitry, mechanical and physical construction, except for the appearance and model name.

Independent Operation Modes

The basic operation modes are:

A. On

B. Off



General Description of Test Auxiliary

AUX Description:	Manufacturer	Model No.	Remark
MI	Adapter	MDY-11-EF	/

1.2 Test Standards

The following Declaration of Conformity report of EUT is prepared in accordance with FCC Rules and Regulations Part 15 Subpart B

The objective of the manufacturer is to demonstrate compliance with the described standards above.

1.3 Test Summary

For the EUT described above. The standards used were FCC Part 15 Subpart B for Emissions

Table 1: Tests Carried Out Under FCC Part 15 Subpart B

Standard	Test Items	Test Results
FCC Part 15 Subpart B	Conduction Emission (0.15MHz to 30MHz)	PASS
FCC Part 15 Subpart B	Radiation Emission (30MHz to 1GHz)	PASS
FCC Part 15 Subpart B	Radiation Emission (Above 1GHz)	PASS

"N/A" means "not applicable"

Note 1: All results of Pass/Fail in this report are opinions expressed by Shenzhen QC Testing Laboratory Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.

Note 2: In the configuration tested, the EUT complied with the standards specified above.

1.4 Test Methodology

All measurements contained in this report were conducted with CISPR 16-1-1, radio disturbance and immunity measuring apparatus, and CISPR 16-2-3, Method of measurement of disturbances and immunity.

All measurement required was performed at **Shenzhen QC Testing Laboratory Co., Ltd.** at at East of 1/F., Building E, Xinghong Science Park, No.111, Shuiku Road, Fenghuanggang, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China.



1.5 Test Facility

Test Firm: Shenzhen QC Testing Laboratory Co., Ltd.

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19. The testing quality system of our laboratory meets with ISO/IEC-17025 requirements. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

CNAS – Registration No.: L8464

The EMC Laboratory has been accredited by CNAS, and in compliance with ISO/IEC 17025:2017 General Requirements for testing Laboratories.

A2LA Certificate Number: 6759.01

The EMC Laboratory has been accredited by A2LA, and in compliance with ISO/IEC 17025:2017 General Requirements for testing Laboratories.

FCC Registration Number: 561109

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission.

IC Registration Number: 29628

CAB identifier: CN0141

The EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada.

1.6 Measurement Uncertainty

Parameter	Uncertainty
Disturbance Voltage (9kHz-0.15MHz)	$\pm 2.25\text{dB}$
Disturbance Voltage (150kHz-30MHz)	$\pm 1.80\text{dB}$
Radiated electromagnetic disturbance (9kHz-30MHz)	$\pm 2.68\text{dB}$
Radiated electromagnetic disturbance (30MHz-1000MHz)	$\pm 4.10\text{dB}$
Radiated electromagnetic disturbance (1000MHz-18000MHz)	$\pm 4.70\text{ dB}$
Radiated electromagnetic disturbance (18GHz-40GHz)	$\pm 4.80\text{dB}$
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

2 - SYSTEM TEST CONFIGURATION

2.1 Justification

The system was configured for testing in a typical fashion (as only used by a typical user).

2.2 EUT Exercise Software

The EUT exercising program used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use. The software offered by manufacturer, can let the EUT being A Mode.

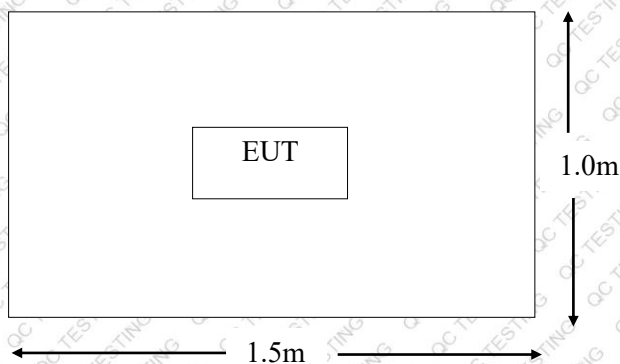
2.3 Special Accessories

As shown in section 2.5, interface cable used for compliance testing is shielded as normally supplied by **MIBUDDY PET TECHNOLOGY CO.,LTD.** and its respective support equipment manufacturers.

2.4 Equipment Modifications

The EUT tested was not modified by QCT.

2.5 Configuration of Test System



3 - DISTURBANCE VOLTAGE AT THE MAINS TERMINALS

3.1 Limit of Disturbance Voltage at the Mains Terminals

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-Peak	Average
0.150~0.500	66~56*	56~46*
0.500~5.000	56	46
5.000~30.00	60	50

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:
 Measurement Value = Reading Level+Correct Factor
 Correct Factor = Insertion Loss + Cable Loss +Attenuator Factor(if use)
 Margin Level = Measurement Value- Limit Value

3.2 EUT Setup

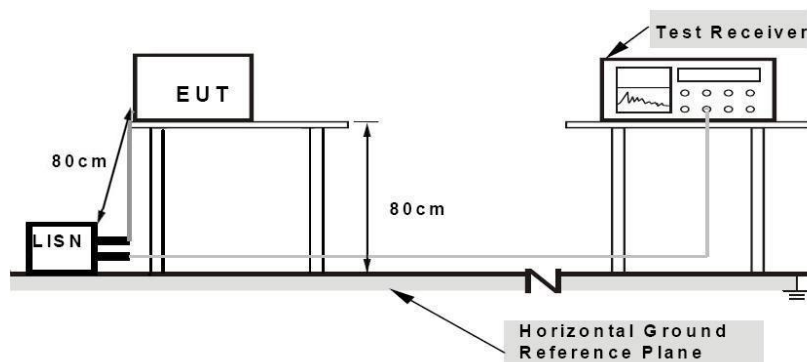
The setup of EUT is according with ANSI C63.4-2014 measurement procedure. The specification used was the FCC Rules and Regulations Part 15 Subpart B limits.

The EUT was placed center and the back edge of the test table.

The AV cables were draped along the test table and bundled to 30-40cm in the middle.

The spacing between the peripherals was 10 cm.

Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.





3.3 Instrument Setup

The test receiver was set with the following configurations:

Test Receiver Setting:

Frequency Range.....150 KHz to 30 MHz
Detector.....Peak & Quasi-Peak & Average
Sweep Speed.....Auto
IF Band Width.....9 KHz

3.4 Test Procedure

During the conducted emission test, the EUT power cord was connected to the auxiliary outlet of the first Artificial Mains.

Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance using all installation combination.

All data was recorded in the peak detection mode. Quasi-peak and Average readings were only performed when an emission was found to be marginal (within -10 dB μ V of specification limits). Quasi-peak readings are distinguished with a "QP". Average readings are distinguished with a "AV".

3.5 Summary of Test Results

According to the data in section 3.8, the EUT complied with the FCC Part 15 B Conducted margin, with the worst margin reading of:

3.6 Disturbance Voltage Test Data

Temperature (°C)	23
Humidity (%RH)	50
Barometric Pressure (kpa)	101
EUT	Smart Collar
M/N	MAI01
Operating Mode	A

Test data see following pages

Remark: (1) When PK reading is less than relevant limit 20dB, the QP reading and AV reading will not be recorded.
(2) Where QP reading is less than relevant AV limit, the AV reading will not be measured



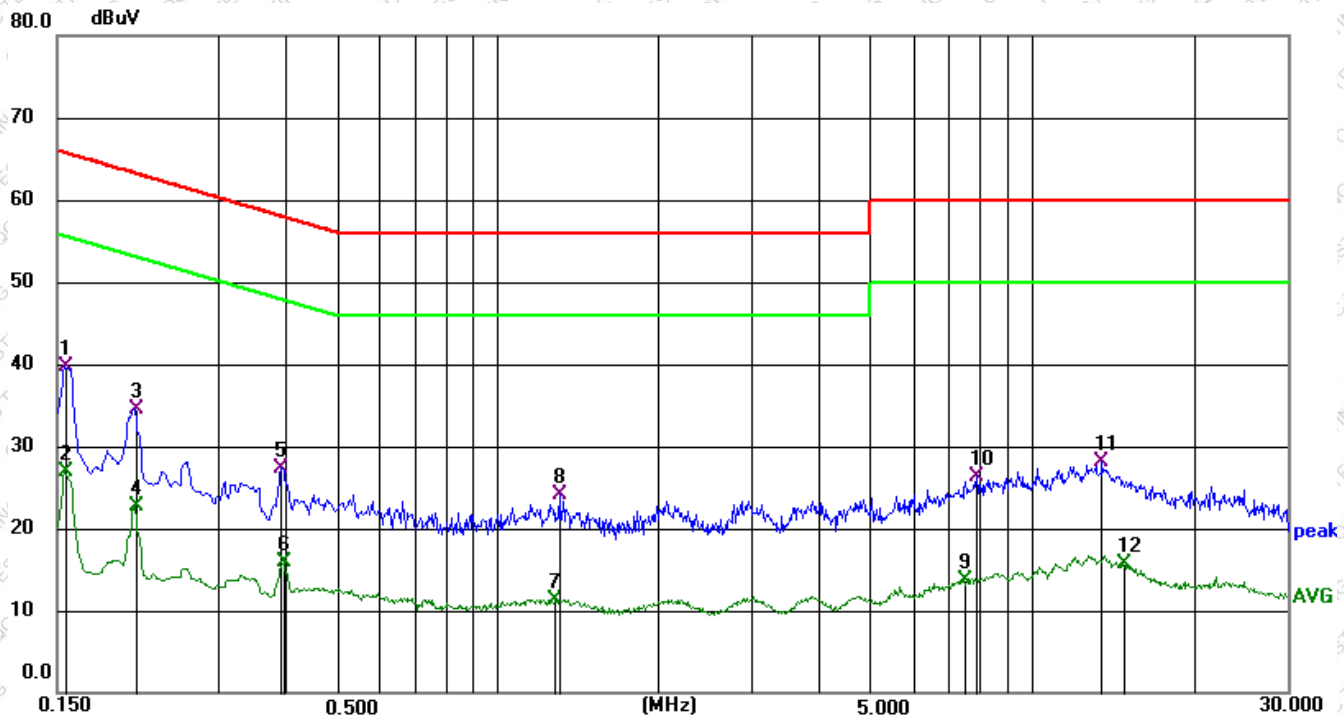
3.7 Test Equipment List and Details

No.	Equipment	Manufacturer	Model	Serial No.	Last Cal.	Cal.Due
1	EMI Test Receiver	Rohde&Schwarz	ESIB 7	2277573376	2025.03.17	2026.03.16
2	EMI Test Receiver	Rohde&Schwarz	ESCI3	101820	2025.08.05	2026.08.04
3	Artificial Mains Network	SCHWARZBECK	NSLK8126	8126200	2025.08.05	2026.08.04
4	PULSE LIMITER	Rohde&Schwarz	ESH3-Z2	100058	2025.03.18	2026.03.17
5	Current Probe	Rohde&Schwarz	EZ-17	8016.2063.02	2025.03.17	2026.03.16
6	Test Software	Tonscend	TS+ JS32-CE Ver 5.0.0	N/A	N/A	N/A



3.8 Test Result

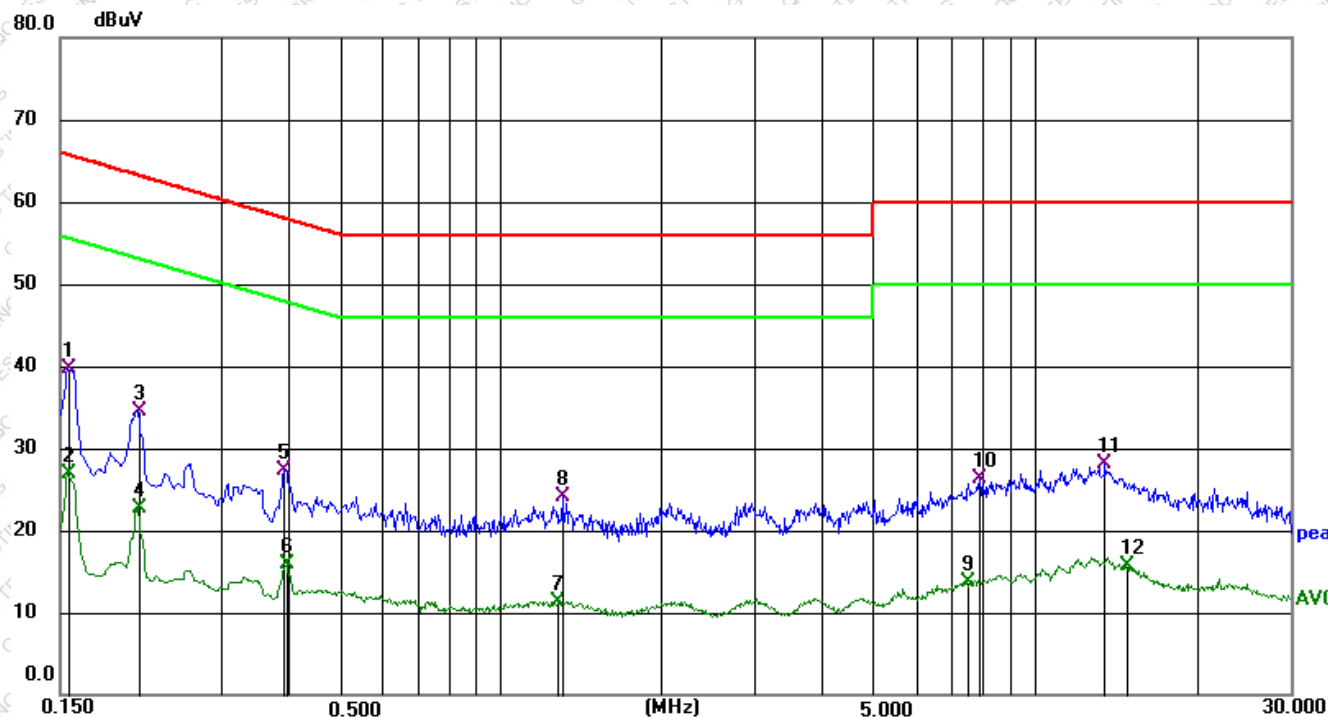
Line:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1 *	0.1544	29.00	10.58	39.58	65.76	-26.18	QP
2	0.1544	16.38	10.58	26.96	55.76	-28.80	AVG
3	0.2084	24.35	10.55	34.90	63.27	-28.37	QP
4	0.2084	12.14	10.55	22.69	53.27	-30.58	AVG
5	0.5414	0.60	10.65	11.25	46.00	-34.75	AVG
6	0.5460	11.66	10.65	22.31	56.00	-33.69	QP
7	1.9274	12.25	10.69	22.94	56.00	-33.06	QP
8	2.1209	0.25	10.69	10.94	46.00	-35.06	AVG
9	9.4414	4.32	10.81	15.13	50.00	-34.87	AVG
10	9.8059	17.25	10.82	28.07	60.00	-31.93	QP
11	12.5380	18.31	10.89	29.20	60.00	-30.80	QP
12	12.9115	6.66	10.90	17.56	50.00	-32.44	AVG



Neutral:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1 *	0.1545	29.04	10.58	39.62	65.75	-26.13	QP
2	0.1545	16.30	10.58	26.88	55.75	-28.87	AVG
3	0.2085	23.89	10.55	34.44	63.26	-28.82	QP
4	0.2085	12.20	10.55	22.75	53.26	-30.51	AVG
5	0.3930	16.75	10.61	27.36	58.00	-30.64	QP
6	0.3975	5.26	10.61	15.87	47.91	-32.04	AVG
7	1.2839	0.74	10.65	11.39	46.00	-34.61	AVG
8	1.3065	13.39	10.65	24.04	56.00	-31.96	QP
9	7.4570	2.85	10.85	13.70	50.00	-36.30	AVG
10	7.8845	15.52	10.86	26.38	60.00	-33.62	QP
11	13.4920	17.03	11.01	28.04	60.00	-31.96	QP
12	14.7655	4.61	11.05	15.66	50.00	-34.34	AVG

4 - RADIATED DISTURBANCES

4.1 Limit of Radiated Disturbances

Frequency (MHz)	Distance (Meters)	Field Strengths Limits (μV/m)	Field Strengths Limits (dBμV/m)
30 ~ 88	3	100	40.0
88~216	3	150	43.5
216 ~ 960	3	200	46.0
Above 960	3	500	54.0

Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m)=20log Emission level (uV/m).
- (3) The test result calculated as following:
 Measurement Value =Reading Level +Correct Factor
 Correct Factor = Antenna Factor +Cable Loss -Amplifier Gain(ifuse)
 Margin Level= Measurement Value-Limit Value

4.2 EUT Setup

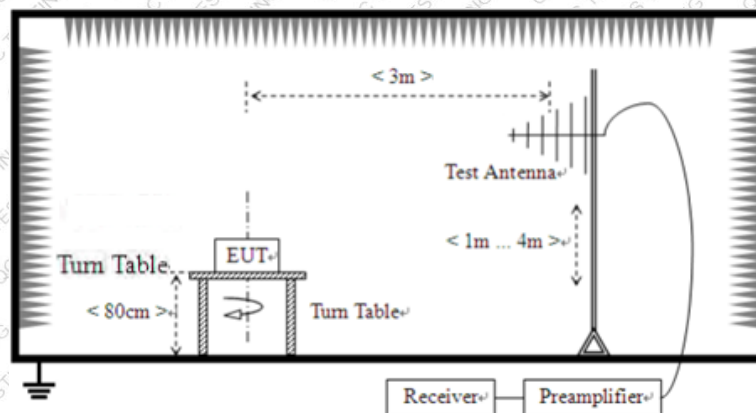
The radiated emission tests were performed in the in the 3-meter anechoic chamber, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15 Subpart B limits.

The EUT was placed on the center of the test table.

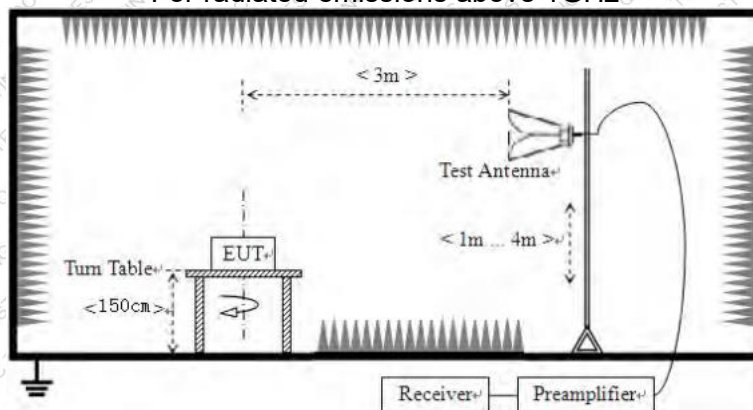
Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.

Block diagram of test setup (In chamber)

For radiated emissions from 30MHz to1GHz



For radiated emissions above 1GHz



4.3 Test Receiver Setup

According to FCC Part 15 rule, the frequency was investigated from 30 to 1000 MHz. During the radiated emission test, the test receiver was set with the following configurations:

Test Receiver Setting:

Detector..... Peak & Quasi-Peak & Average
 IF Band Width..... 120KHz/1MHz
 Frequency Range..... 30MHz to 1000MHz
 Turntable Rotated..... 0 to 360 degrees
 Antenna Position:

Height..... 1m to 4m
 Polarity..... LED Smart Collartal and Vertical

4.4 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All data was recorded in the peak detection mode. Quasi-peak readings performed only when an emission was found to be marginal (within -10 dB μ V of specification limits), and are distinguished with a "QP" in the data table.

4.5 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Antenna Factor} + \text{Cable Factor} - \text{Amplifier Gain}$$

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB μ V means the emission is 7dB μ V below the maximum limit for Subpart B. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Corr. Ampl.}$$



4.6 Radiated Emissions Test Result

Temperature (°C)	25
Humidity (%RH)	49
Barometric Pressure (kpa)	101
EUT	Smart Collar
M/N	MAI01
Operating Mode	A



4.7 Test Equipment List and Details

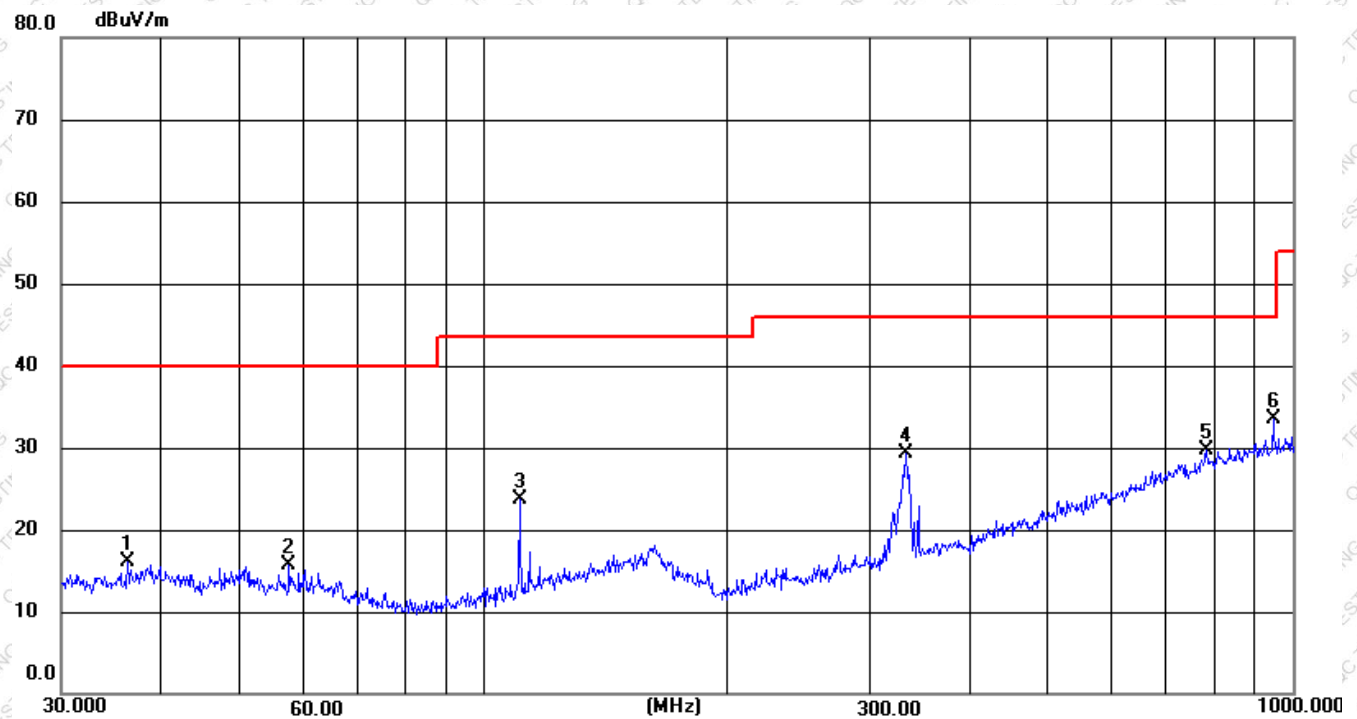
No.	Equipment	Manufacturer	Model	Serial No.	Last Cal.	Cal.Due
1	EMI Test Receiver	R&S	ESIB 7	2277573376	2025.03.17	2026.03.16
2	EMI Test Receiver	ESPI 3	ESPI 3	101131	2025.03.17	2026.03.16
3	Spectrum Analyzer	Rohde&Schwarz	FSV 40	101458	2025.03.18	2026.03.17
4	TRILOG Broadband Test-Antenna	SCHWARZBECK	VULB9168	VULB9168- 588	2025.03.22	2026.03.21
5	Loop Antenna	EMCO	6502	2133	2025.03.19	2026.03.18
6	horn antenna	SCHWARZBECK	BBHA9120D	2069	2025.08.16	2026.08.15
7	Horn Antenna	COM-MW	ZLB7-18- 40G -950	12221225	2025.08.09	2026.08.18
8	Pre-amplifier	MITEQ	TTA0001-18	2063645	2025.03.17	2026.03.16
9	Pre-amplifier	MITEQ	TTA1800-30- HG	2063644	2025.03.17	2026.03.16
10	Pre-amplifier	COM-MW	DLAN-18000 -40000-02	10229104	2025.03.22	2026.03.21
11	966 Camber	ZhongYU	9*6*6	/	2023.05.08	2026.05.07
12	Test Software	Farad	EZ-EMC Ver QCT03A2 RE+	N/A	N/A	N/A



4.8 Test Result

Below 1GHz Test Results

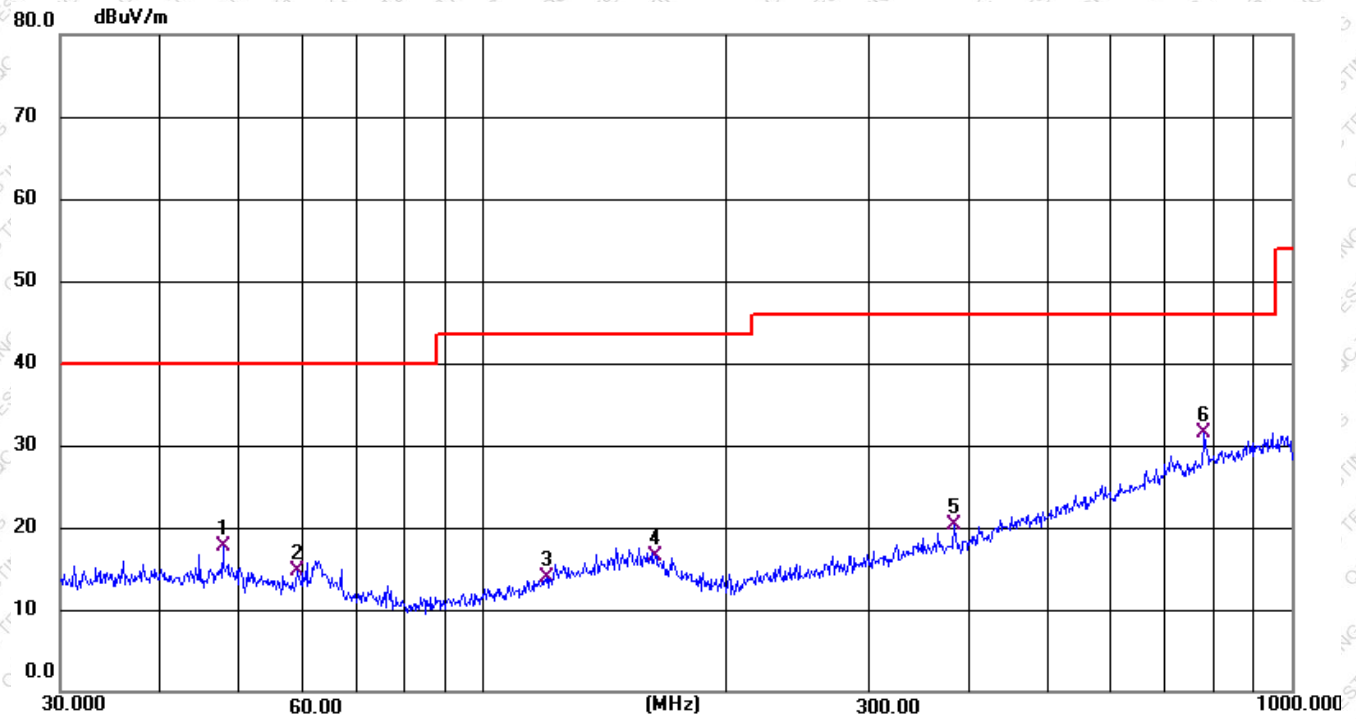
Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	36.3623	30.72	-14.55	16.17	40.00	-23.83	peak
2	57.5536	31.05	-15.34	15.71	40.00	-24.29	peak
3	110.8987	40.19	-16.54	23.65	43.50	-19.85	peak
4	333.1606	42.48	-13.10	29.38	46.00	-16.62	peak
5	782.6196	33.17	-3.53	29.64	46.00	-16.36	peak
6 *	948.4284	35.25	-1.72	33.53	46.00	-12.47	peak



Polarization: Vertical

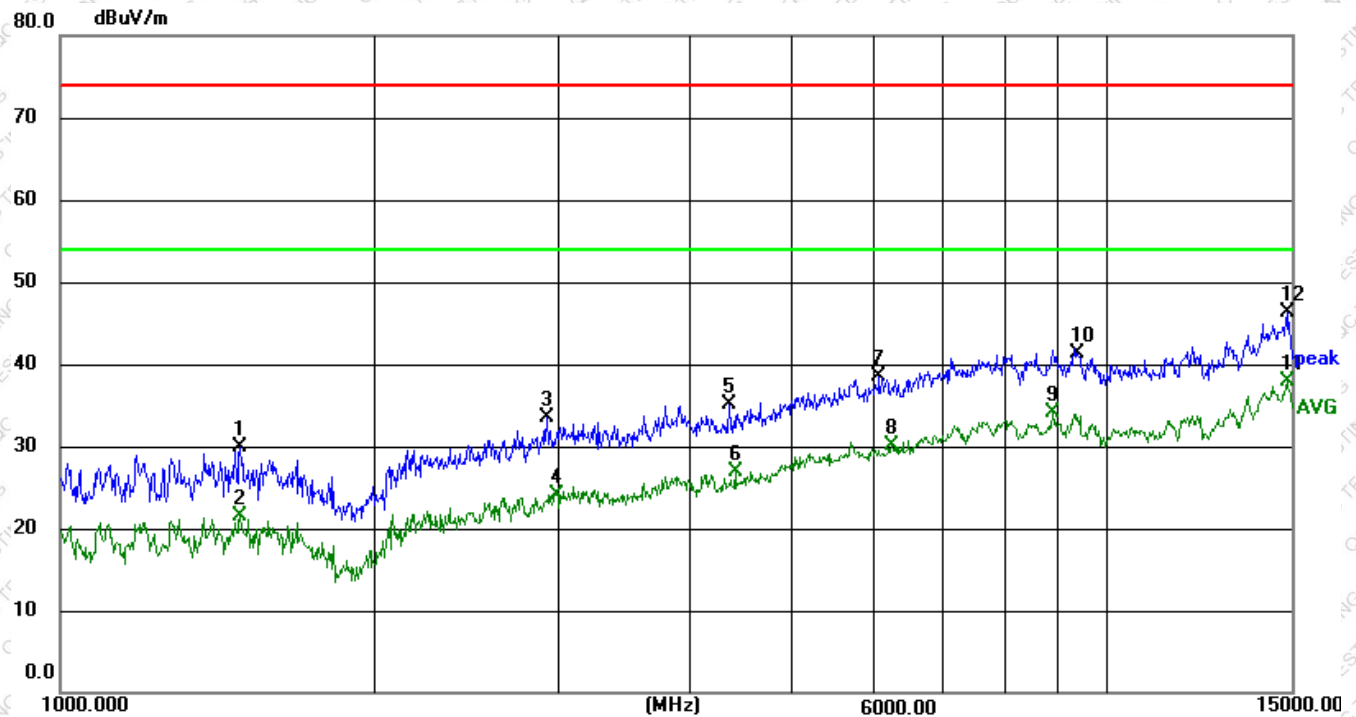


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	47.7339	32.51	-14.72	17.79	40.00	-22.21	QP
2	58.9734	30.14	-15.35	14.79	40.00	-25.21	QP
3	119.8556	29.27	-15.46	13.81	43.50	-29.69	QP
4	163.5541	30.34	-13.75	16.59	43.50	-26.91	QP
5	383.6627	32.42	-12.12	20.30	46.00	-25.70	QP
6 *	781.3857	35.00	-3.57	31.43	46.00	-14.57	QP



Above 1GHz Test Results

Polarization: Horizontal

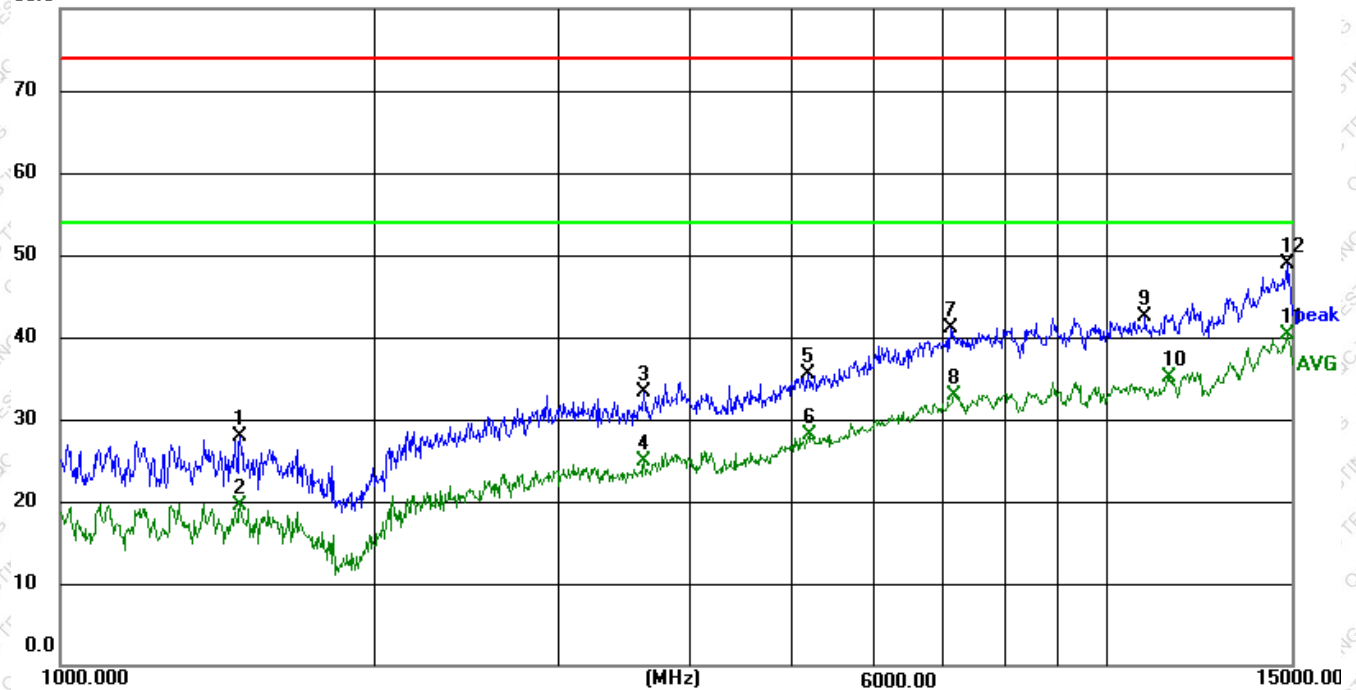


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1485.800	37.27	-7.41	29.86	74.00	-44.14	peak
2	1485.800	28.97	-7.41	21.56	54.00	-32.44	AVG
3	2915.200	36.11	-2.65	33.46	74.00	-40.54	peak
4	2982.400	26.48	-2.32	24.16	54.00	-29.84	AVG
5	4362.800	34.74	0.31	35.05	74.00	-38.95	peak
6	4413.900	26.58	0.42	27.00	54.00	-27.00	AVG
7	6058.200	34.13	4.29	38.42	74.00	-35.58	peak
8	6233.900	25.48	4.53	30.01	54.00	-23.99	AVG
9	8886.200	25.48	8.57	34.05	54.00	-19.95	AVG
10	9388.800	32.19	9.03	41.22	74.00	-32.78	peak
11 *	14868.400	24.38	13.46	37.84	54.00	-16.16	AVG
12	14902.000	32.94	13.42	46.36	74.00	-27.64	peak



Polarization: Vertical

80.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1485.800	35.27	-7.41	27.86	74.00	-46.14	peak
2	1485.800	26.97	-7.41	19.56	54.00	-34.44	AVG
3	3612.400	35.18	-1.89	33.29	74.00	-40.71	peak
4	3612.400	26.81	-1.89	24.92	54.00	-29.08	AVG
5	5188.100	33.44	2.10	35.54	74.00	-38.46	peak
6	5198.600	25.90	2.11	28.01	54.00	-25.99	AVG
7	7098.400	34.14	7.03	41.17	74.00	-32.83	peak
8	7142.500	25.75	7.18	32.93	54.00	-21.07	AVG
9	10876.300	32.81	9.69	42.50	74.00	-31.50	peak
10	11503.500	24.90	10.24	35.14	54.00	-18.86	AVG
11 *	14868.400	26.88	13.46	40.34	54.00	-13.66	AVG
12	14902.000	35.44	13.42	48.86	74.00	-25.14	peak

APPENDIX A - EUT PHOTOGRAPHS

Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6



Photo 7



Photo 8



Photo 9

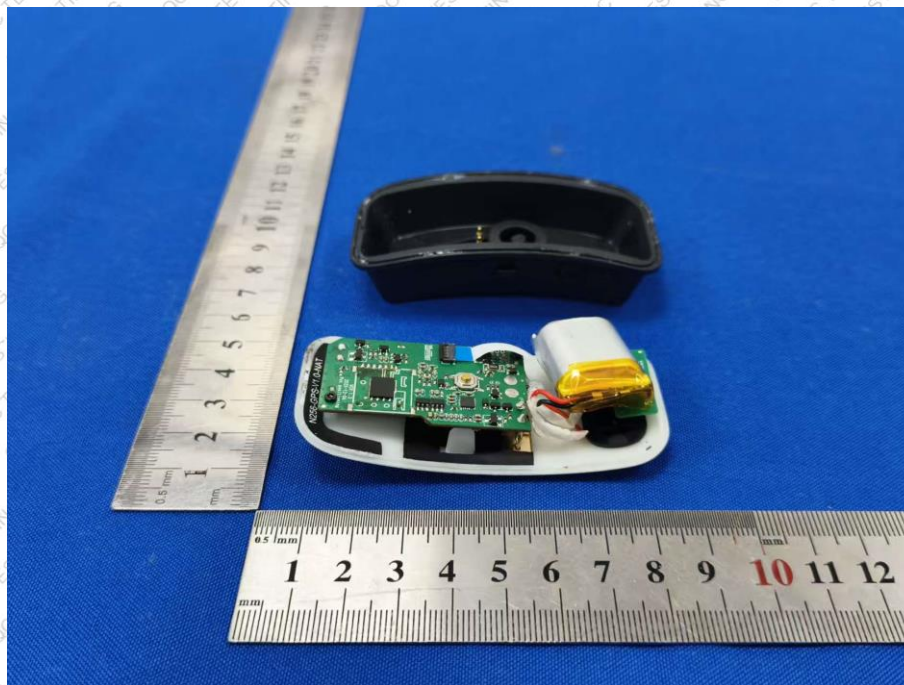


Photo 10

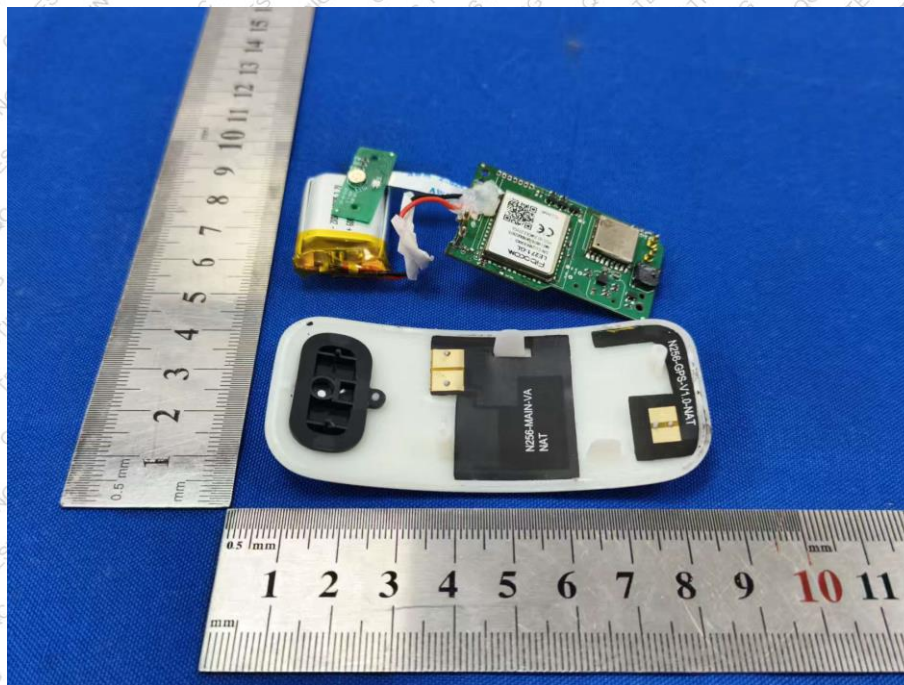
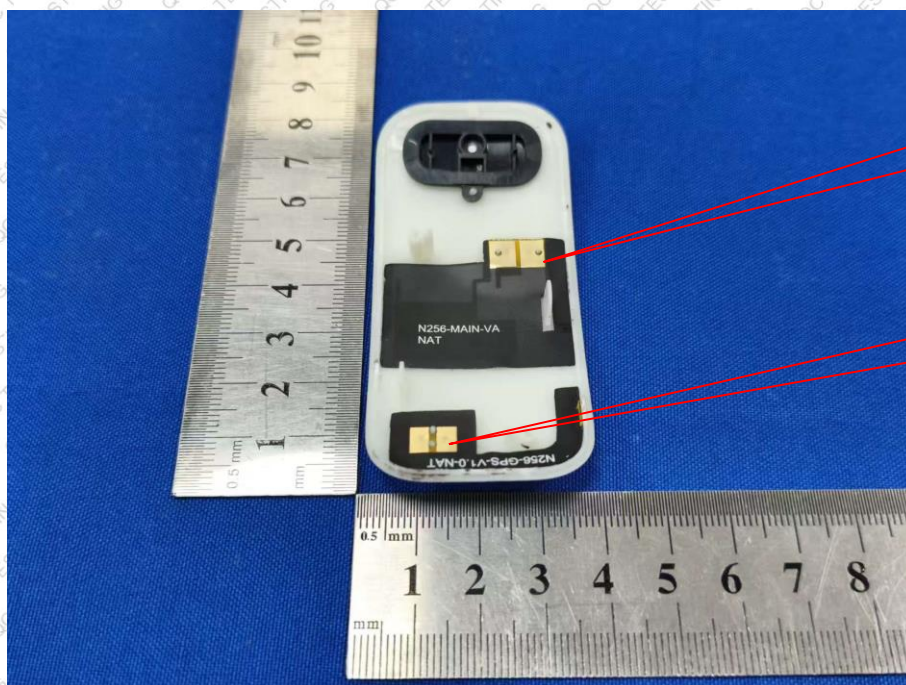


Photo 11



LTE
Antenna

GPS
Antenna

Photo 12

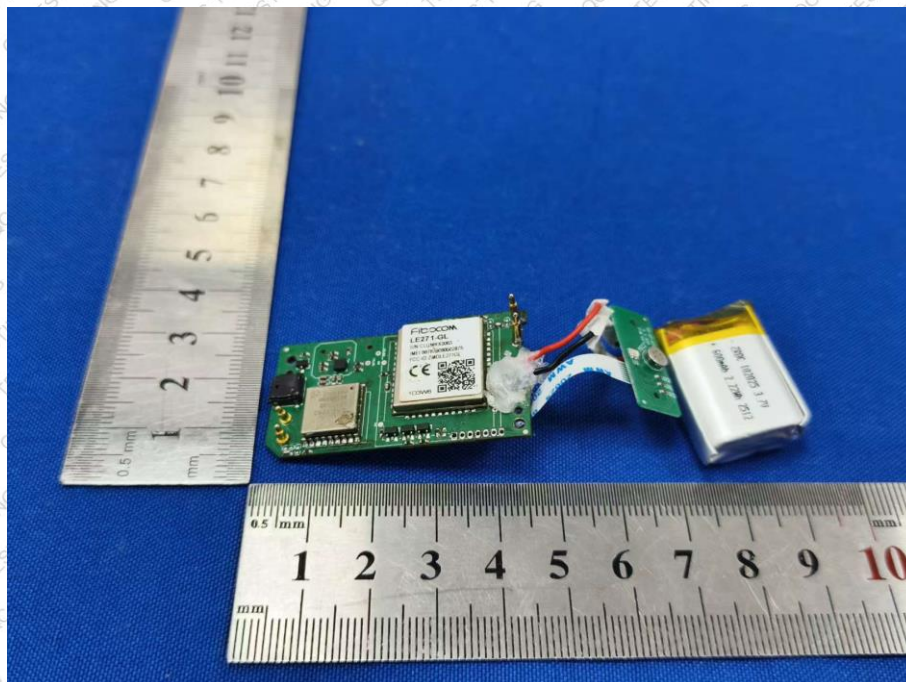


Photo 13



Photo 14

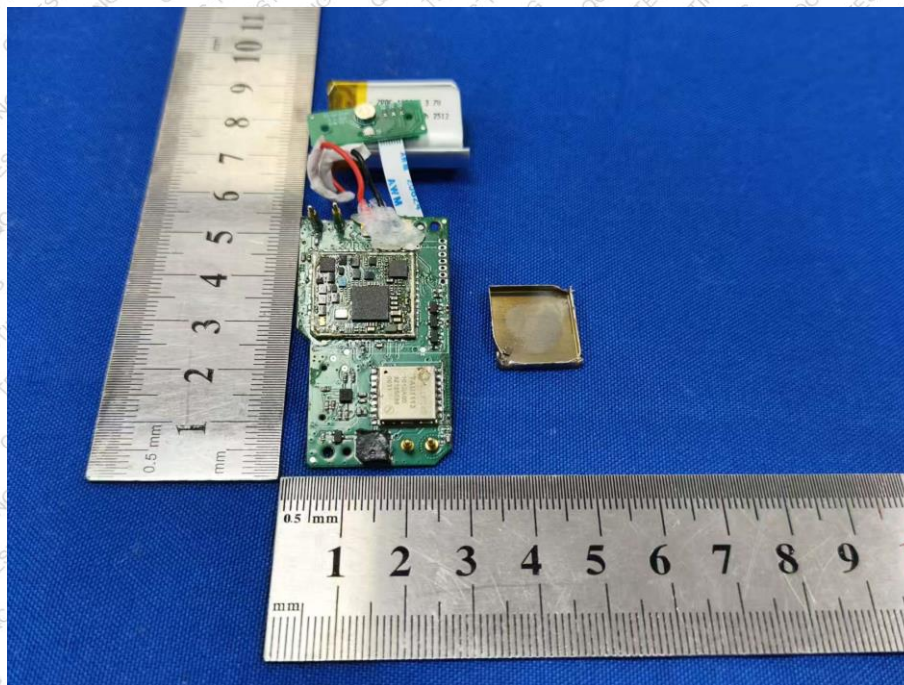


Photo 15



Photo 16

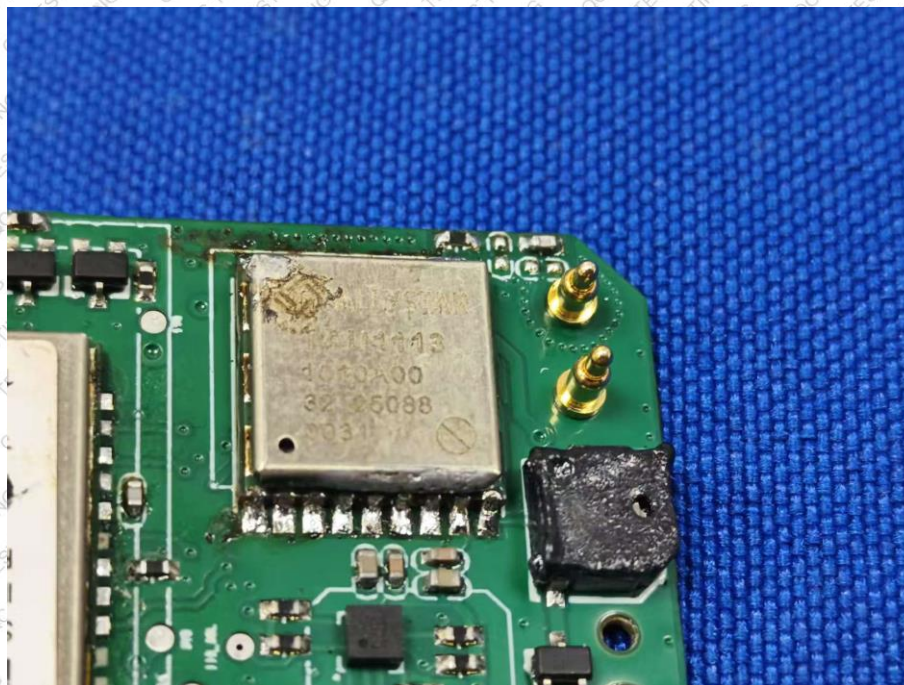
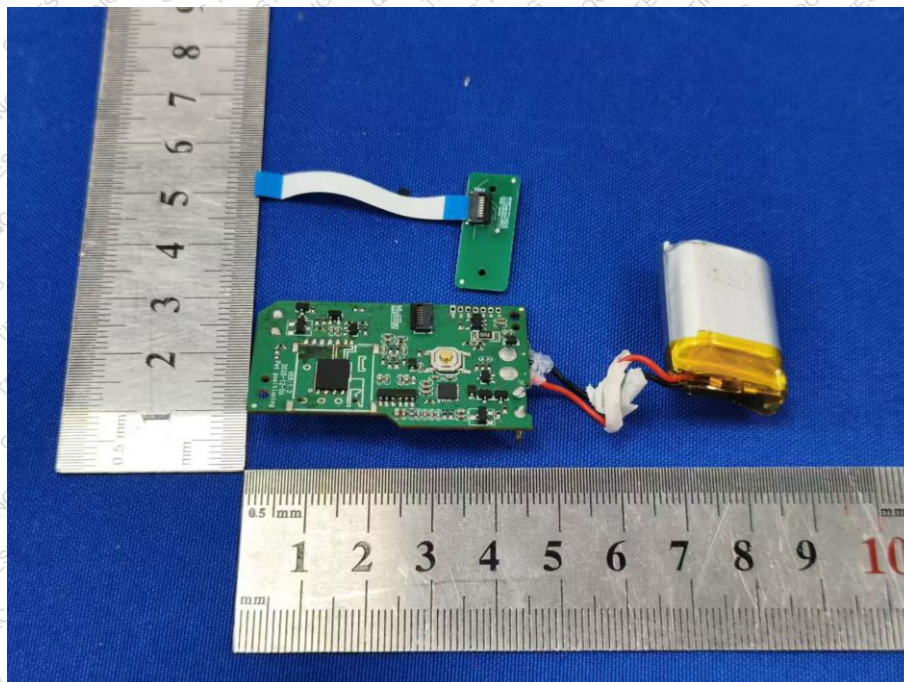


Photo 17



Photo 18

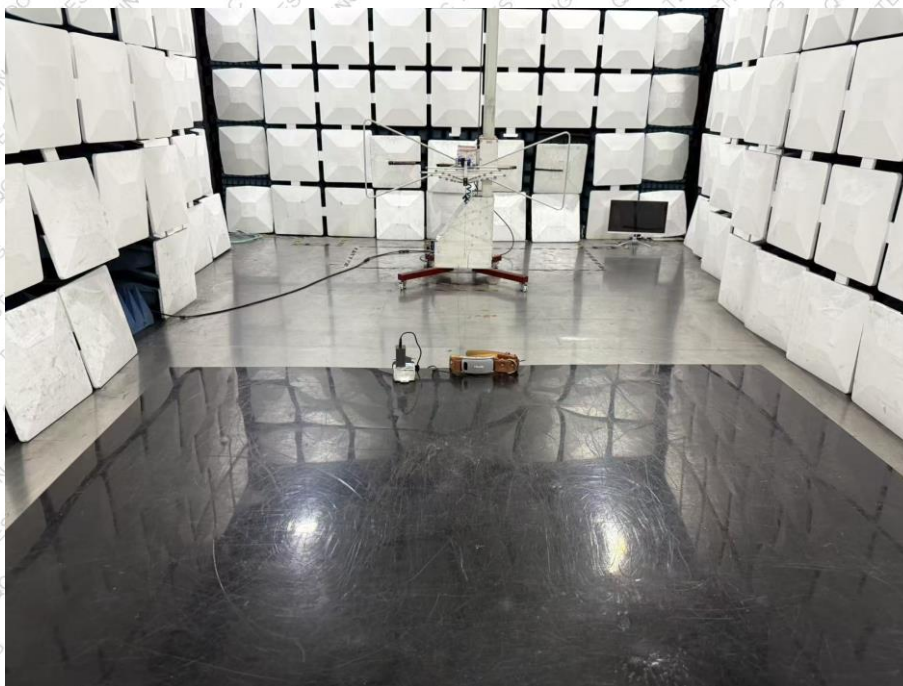


APPENDIX B- TEST SETUP PHOTOGRAPHS

Set-up for Conducted Emission

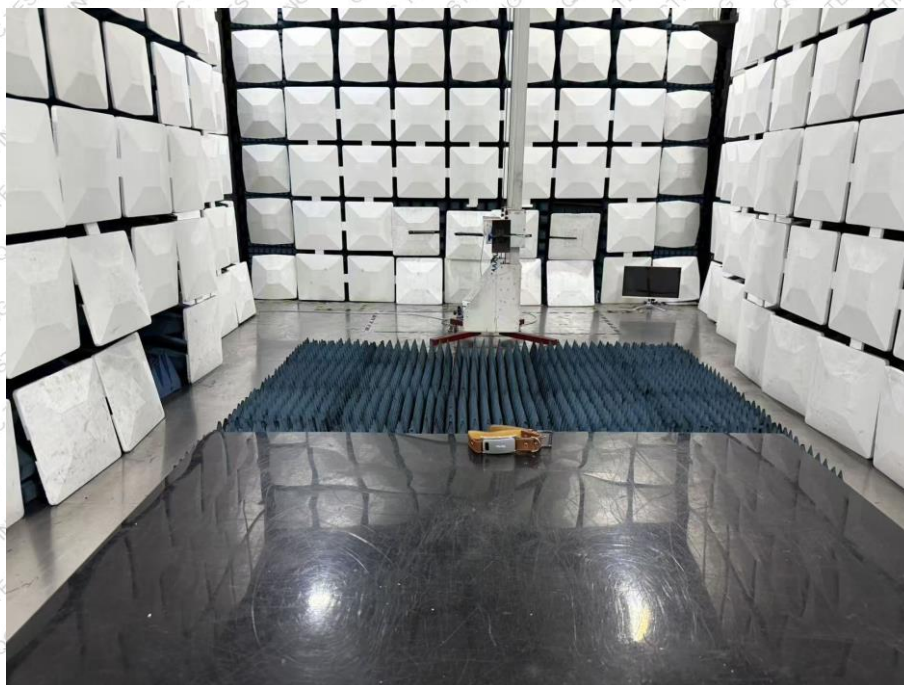


Set-up for Radiated Emission (30 MHz - 1 GHz)





Set-up for Radiated Emission (1 GHz - 6 GHz)



End of Test Report