



Report No.: TW2508003-02E

Applicant: Shenzhen Jingwah Information Technology Co., Ltd.

Product: Pocket Voice Recorder

Model No.: PKT01, PKTXXX (Remark: "X" can be 0 to 9 or A to Z or Blank, In accordance with buyer coder)

Trademark: Pocket

Test Standards: FCC Part 15.249

Test result: It is herewith confirmed and found to comply with the requirements set up by ANSI C63.10 & FCC Part 15 Subpart C, Paragraph 15.249 regulations for the evaluation of electromagnetic compatibility

Approved By

A handwritten signature in black ink that reads 'Terry Tang'.

Terry Tang

Manager

Dated: September 01, 2025

**Results appearing herein relate only to the sample tested**

**The technical reports is issued errors and omissions exempt and is subject to withdrawal at**

## **SHENZHEN TIMEWAY TESTING LABORATORIES**

**Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West,  
Tong Le Village, Nanshan District, Shenzhen, China**

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### **Special Statement:**

#### **FCC-Registration No.: 744189**

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

#### **ISED —Registration No.:5205A**

The EMC Laboratory has been registered by Certification and Engineering Bureau of ISED for radio equipment testing with Registration No.: 5205A.

#### **A2LA (Certification Number:5013.01)**

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

#### **CAB identifier: CN0033**

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## 1.0 General Details

### 1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.  
Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China  
Telephone: (755) 83448688  
Fax: (755) 83442996  
Site on File with the Federal Communications Commission – United States  
Registration Number: 744189  
For 3m Anechoic Chamber

### 1.2 Applicant Details

Applicant: Shenzhen Jingwah Information Technology Co., Ltd.  
Address: 6F, Bldg.4, Jinghua Square, No. 168, Zhenzhong Rd., Fuqiang Community, Huaqiangbei, Futian District, Shenzhen

### 1.3 Description of EUT

Product: Pocket Voice Recorder  
Manufacturer: Shenzhen Jingwah Information Technology Co., Ltd.  
Address: Building 15, Jinghua Factory, No. 187, Liangbai Road, Liangantan Community, Pinghu Street, Longgang District, Shenzhen  
Trademark: Pocket  
Model Number: PKT01  
Additional Model Name: PKTXXX (Remark: "X" can be 0 to 9 or A to Z or Blank, In accordance with buyer coder)  
Rating: Input: DC5V, 1A  
Battery: DC3.8V, 840mAh Li-ion battery  
Serial No.: N/A  
Hardware Version: Pocket1-V1.2  
Software Version: Pocket\_V2.5  
Operation Frequency: 2402-2480MHz  
Modulation Type: GFSK,  $\pi/4$ DQPSK, 8DPSK  
Number of Channels: 79  
Channel Separation: 1MHz  
Antenna Designation: Chip antenna with gain 2.6dBi maximum (Get from the antenna specification)

### 1.4 Submitted Sample: 1 Sample

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1.5 Test Duration

2025-08-18 to 2025-09-01

1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB

Radiated Emissions below 1GHz Uncertainty =4.7dB

Radiated Emissions above 1GHz Uncertainty =6.0dB

Conducted Power Uncertainty =6.0dB

Occupied Channel Bandwidth Uncertainty =5%

Conducted Emissions Uncertainty =3.6dB

Note: The measurement uncertainty is for coverage factor of  $k=2$  and a level of confidence of 95%.

1.7 Test Engineer

The sample tested by

*Andy Xing*

Print Name: Andy Xing

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2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100294	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100253	2025-07-11	2026-07-10
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2025-07-11	2026-07-10
Loop Antenna	EMCO	6507	00078608	2025-07-17	2028-07-16
Spectrum	R&S	FSIQ26	100292	2025-07-11	2026-07-10
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2025-07-17	2028-07-16
Horn Antenna	R&S	BBHA 9120D	9120D-631	2025-07-17	2028-07-16
Power meter	Anritsu	ML2487A	6K00003613	2025-07-11	2026-07-10
Power sensor	Anritsu	MA2491A	32263	2025-07-11	2026-07-10
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2025-07-17	2028-07-16
9*6*6 Anechoic	--	--	N/A	2025-07-11	2028-07-10
EMI Test Receiver	RS	ESCS 30	834115/006	2025-07-11	2026-07-10
Spectrum	HP/Agilent	E4407B	MY50441392	2025-07-11	2026-07-10
Spectrum	RS	FSP	1164.4391.38	2025-07-11	2026-07-10
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA	--	2025-07-11	2026-07-10
RF Cable	Zhengdi	7m	--	2025-07-11	2026-07-10
Pre-Amplifier	Schwarebeck	BBV9743	#218	2025-07-11	2026-07-10
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2025-07-11	2026-07-10
LISN	SCHAFFNER	NNB42	00012	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100294	2025-07-11	2026-07-10

## 2.2 Automation Test Software

### For Conducted Emission Test

Name	Version
EZ-EMC	Ver.EMC-CON 3A1.1

### For Radiated Emissions

Name	Version
EMI Test Software BL410-EV18.91	V18.905
EMI Test Software BL410-EV18.806 High Frequency	V18.06

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3.0 Technical Details

3.1 Summary of test results

The EUT has been tested according to the following specifications:			
Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.203	Antenna Requirement	Pass	Complies
FCC Part 15, Paragraph 15.207	Conducted Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(a) & 15.249(b) Limit	Field Strength of Fundamental	Pass	Complies
FCC Part 15, Paragraph 15.209	Radiated Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(d) Limit	Band Edge Test	Pass	Complies
FCC Part 15.215(c)	20dB bandwidth	Pass	Complies

3.2 Test Standards

FCC Part 15 Subpart C, Paragraph 15.249 and ANSI C63.10-2020+Cor.1-2023

4.0 EUT Modification

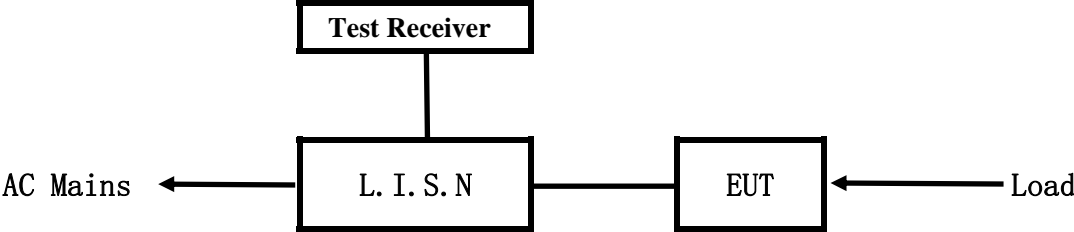
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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5.0 Power Line Conducted Emission Test

5.1 Schematics of the test



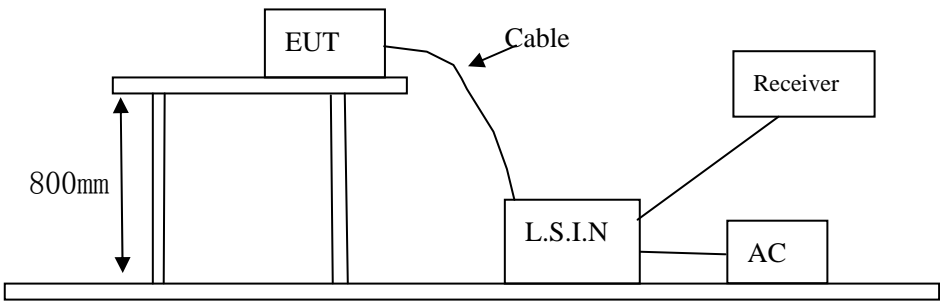
EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2020+COR.1-2023. The Frequency spectrum from 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10–2013.

Test Voltage: 120V~, 60Hz

Block diagram of Test setup



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.10-2020+COR.1-2023. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

A. EUT

Device	Manufacturer	Model	FCC ID
Pocket Voice Recorder	Shenzhen Jingwah Information Technology Co., Ltd.	PKT01 PKTXXX (Remark: “X” can be 0 to 9 or A to Z or Blank, In accordance with buyer coder)	RBD-PKT01

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B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
Power Supply	Xiaomi	CDQ02ZM	Input: 100-240V~, 50/60Hz, 1.2A; Output: DC5V, 3A; DC9V, 3A; DC12V, 3A; DC15V, 3A; DC20V, 2.25A;

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2020+COR.1-2023

A Setup the EUT and simulators as shown on follow

B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency (MHz)	Limits (dB $\mu$ V)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66.0~56.0*	56.0~46.0*
0.50 ~ 5.00	56.0	46.0
5.00 ~ 30.00	60.0	50.0

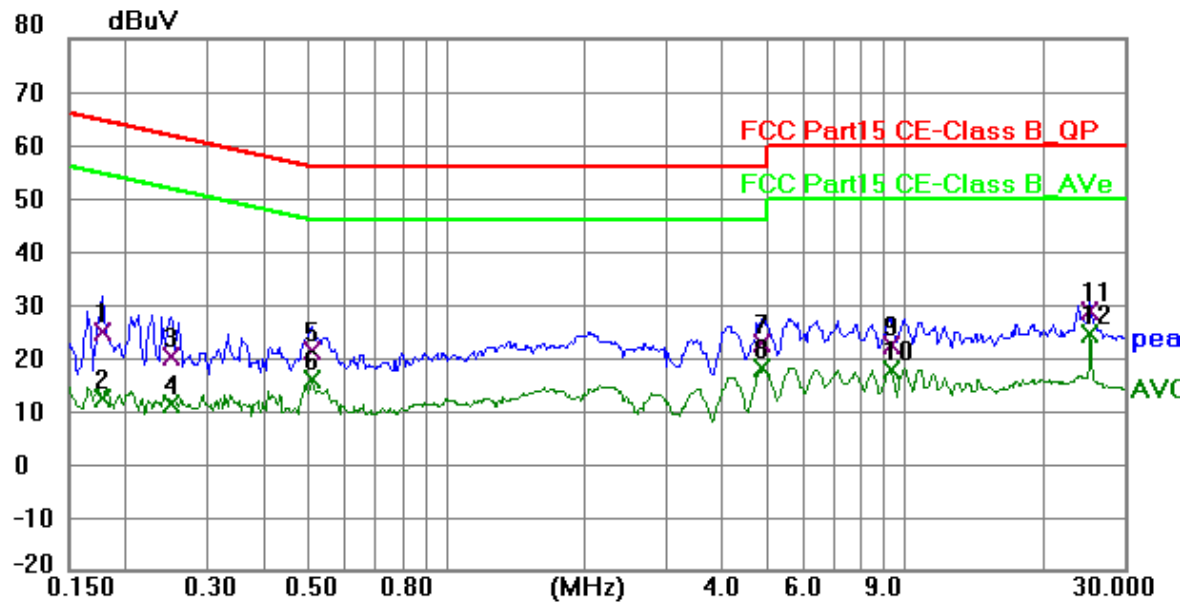
- Notes:
- 1. \*Decreasing linearly with logarithm of frequency.
  - 2. The tighter limit shall apply at the transition frequencies

5.6 Test Results:

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**A: Conducted Emission on Live Terminal (150kHz to 30MHz)**  
**EUT Operating Environment**  
Temperature: 25°C      Humidity: 65%RH      Atmospheric Pressure: 101 kPa  
**EUT set Condition: Communication by BT**  
**Results: Pass**  
Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1773	14.63	10.33	24.96	64.61	-39.65	QP	P
2	0.1773	2.17	10.33	12.50	54.61	-42.11	AVG	P
3	0.2514	9.79	10.33	20.12	61.71	-41.59	QP	P
4	0.2514	1.06	10.33	11.39	51.71	-40.32	AVG	P
5	0.5127	10.73	10.40	21.13	56.00	-34.87	QP	P
6	0.5127	5.35	10.40	15.75	46.00	-30.25	AVG	P
7	4.8915	10.49	12.27	22.76	56.00	-33.24	QP	P
8	4.8915	5.75	12.27	18.02	46.00	-27.98	AVG	P
9	9.2712	8.84	13.58	22.42	60.00	-37.58	QP	P
10	9.2712	4.10	13.58	17.68	50.00	-32.32	AVG	P
11	25.2300	13.51	15.29	28.80	60.00	-31.20	QP	P
12	25.2300	9.15	15.29	24.44	50.00	-25.56	AVG	P

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**B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)**

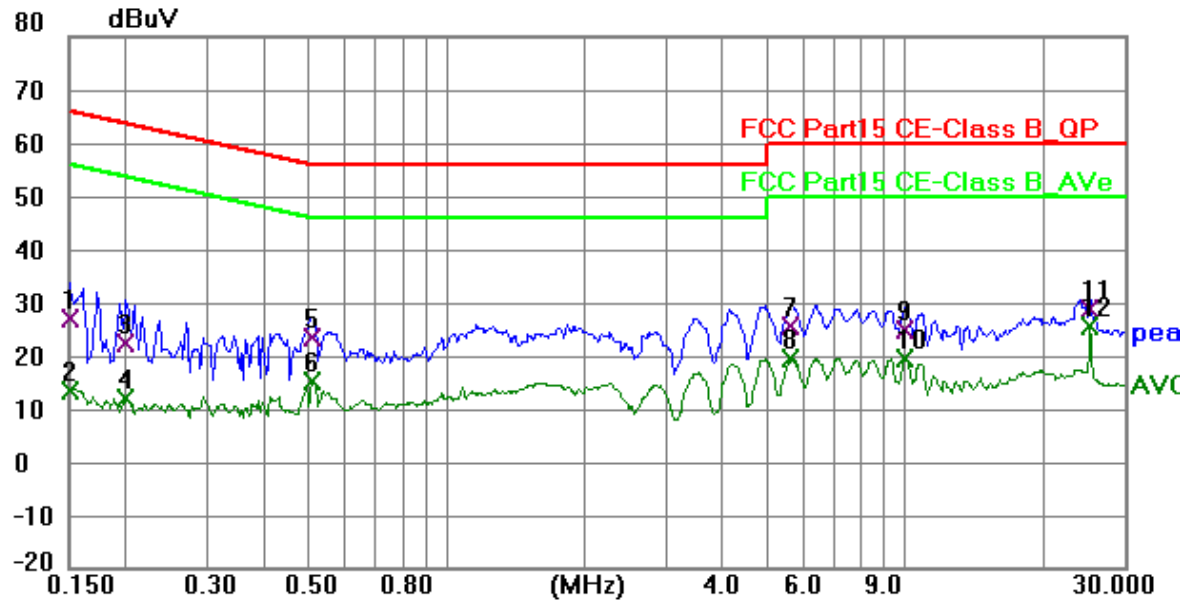
**EUT Operating Environment**

Temperature: 25°C      Humidity: 65%RH      Atmospheric Pressure: 101 kPa

**EUT set Condition: Communication by BT**

**Results: Pass**

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1500	16.76	10.34	27.10	66.00	-38.90	QP	P
2	0.1500	3.16	10.34	13.50	56.00	-42.50	AVG	P
3	0.2007	11.89	10.32	22.21	63.58	-41.37	QP	P
4	0.2007	1.58	10.32	11.90	53.58	-41.68	AVG	P
5	0.5088	13.15	10.40	23.55	56.00	-32.45	QP	P
6	0.5088	4.95	10.40	15.35	46.00	-30.65	AVG	P
7	5.6520	13.15	12.48	25.63	60.00	-34.37	QP	P
8	5.6520	7.04	12.48	19.52	50.00	-30.48	AVG	P
9	10.0122	11.06	13.82	24.88	60.00	-35.12	QP	P
10	10.0122	5.57	13.82	19.39	50.00	-30.61	AVG	P
11	25.2300	13.36	15.29	28.65	60.00	-31.35	QP	P
12	25.2300	10.21	15.29	25.50	50.00	-24.50	AVG	P

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## 6 Radiated Emission Test

### 6.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10-2020+COR.1-2023. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2020+COR.1-2023.
- (3) The frequency spectrum from 9kHz to 25 GHz was investigated. The frequency spectrum is set as follows:

Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average

(Note: for Fundamental frequency radiated emission measurement, RBW=3MHz, VBW=10MHz).  
Measurements were made at 3 meters.

- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) The antenna polarization: Vertical polarization and Horizontal polarization.

### Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz



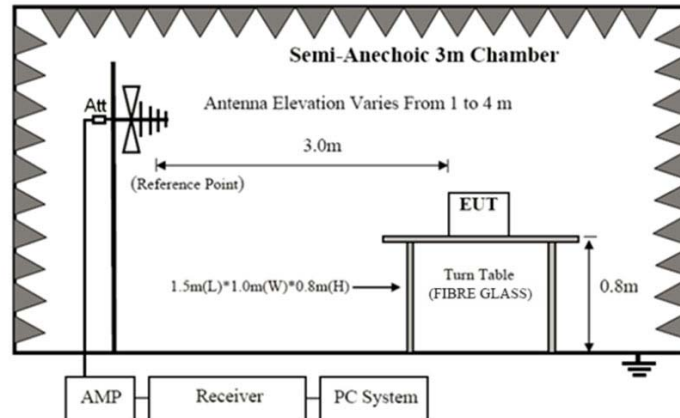
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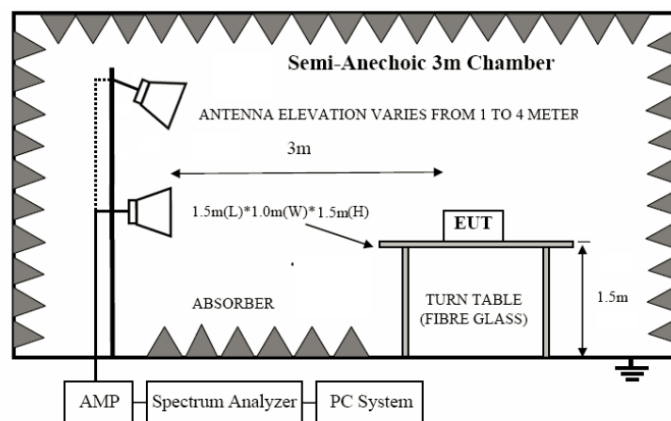
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For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



## 6.2 Configuration of the EUT

Same as section 5.3 of this report

## 6.3 EUT Operating Condition

Same as section 5.4 of this report.

## 6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in § 15.209, whichever is the lesser attenuation.

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**A FCC Part 15 Subpart C Paragraph 15.249(a) Limit**

Fundamental Frequency (MHz)	Field Strength of Fundamental (3m)		Field Strength of Harmonics (3m)		
	mV/m	dBuV/m		uV/m	dBuV/m
2400-2483.5	50	94 (Average)	114 (Peak)	500	54 (Average) 74 (Peak)

- Note:
1. RF Field Strength (dBuV) = 20 log RF Voltage (uV)
  2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
  3. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

**B. Frequencies in restricted band are complied to limit on Paragraph 15.209.**

Frequency Range (MHz)	Distance (m)	Field strength (dB $\mu$ V/m)
0.009-0.490	3	$20\log(2400/F(\text{kHz})) + 40\log(300/3)$
0.490-1.705	3	$20\log(24000/F(\text{kHz})) + 40\log(30/3)$
1.705-30	3	69.5
30-80	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

- Note:
1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
  2. In the Above Table, the tighter limit applies at the band edges.
  3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
  4. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz. As to 1G-25G, the final emission level got using PK. For fundamental measurement, PK detector used.
  5. The three modulation modes of GFSK, Pi/4D-QPSK and 8DPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.
  6. Battery was fully charged during test

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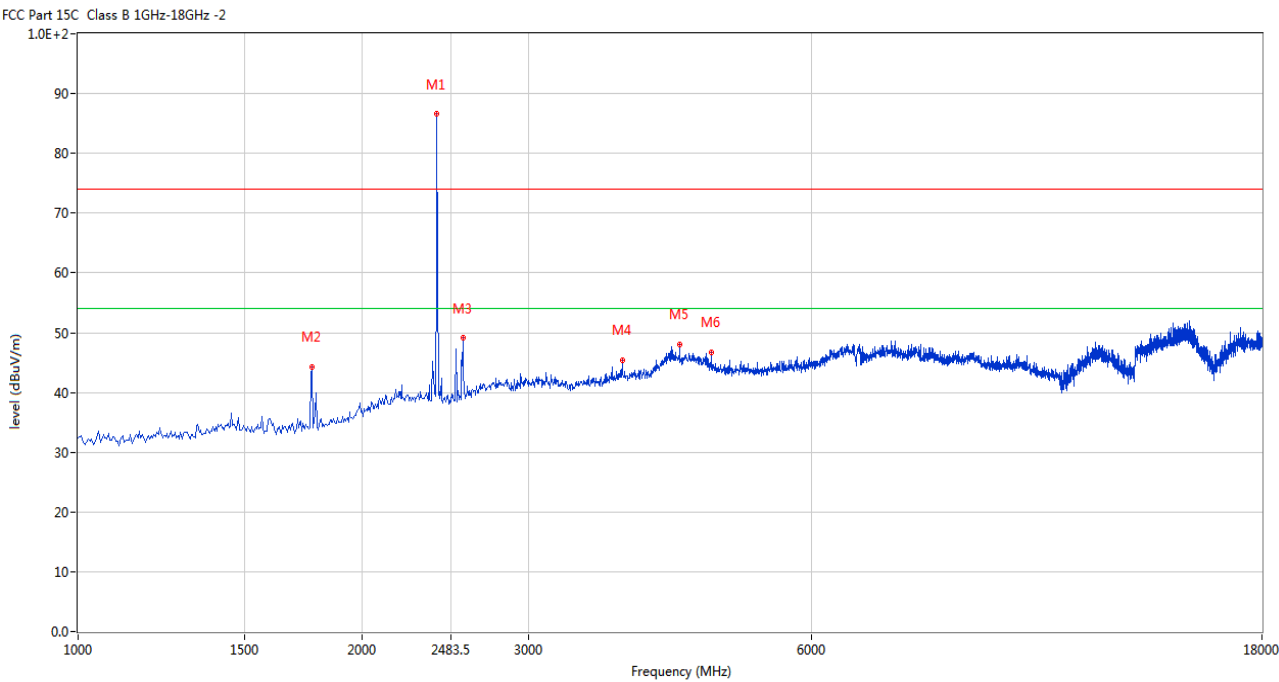
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6.5 Test result  
A Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2402MHz

Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2402	86.59	-3.57	114.0	-27.41	Peak	308.00	100	Horizontal	Pass
2	1769.058	44.28	-7.05	74.0	-29.72	Peak	221.00	100	Horizontal	Pass
3	2559.360	49.24	-3.42	74.0	-24.76	Peak	0.00	100	Horizontal	Pass
4	3774.556	45.42	0.17	74.0	-28.58	Peak	287.00	100	Horizontal	Pass
5	4343.914	48.02	1.91	74.0	-25.98	Peak	114.00	100	Horizontal	Pass
6	4692.327	46.66	2.85	74.0	-27.34	Peak	221.00	100	Horizontal	Pass

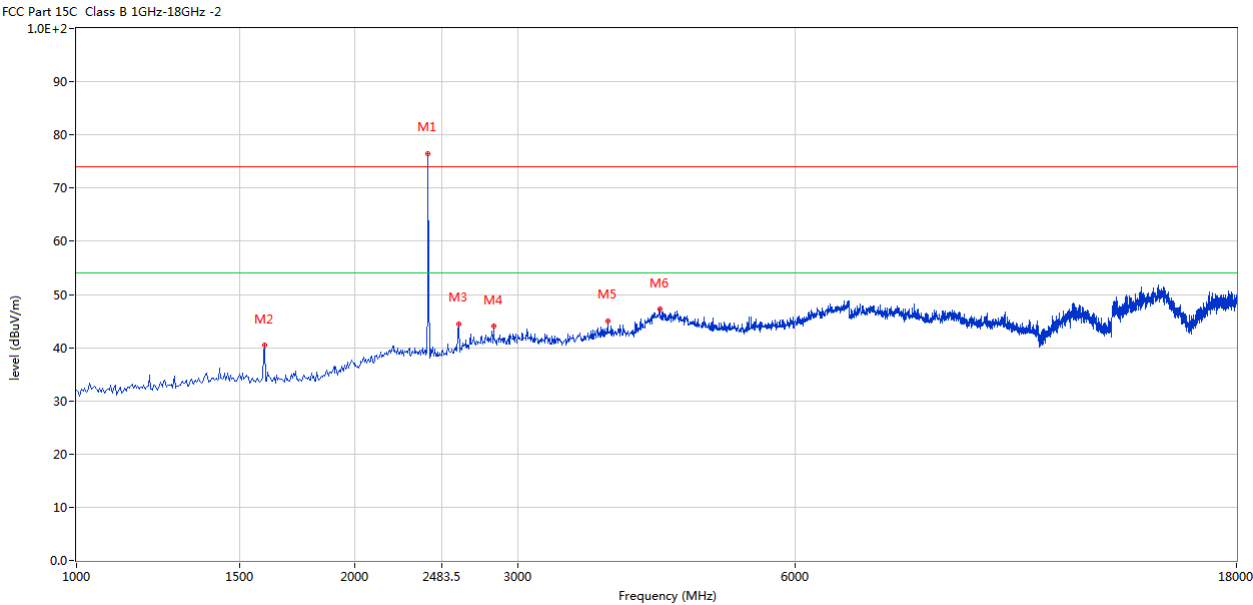
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Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2402	76.45	-3.57	114.0	-37.55	Peak	200.00	100	Vertical	Pass
2	1599.100	40.45	-7.97	74.0	-33.55	Peak	286.00	100	Vertical	Pass
3	2593.352	44.45	-3.34	74.0	-29.55	Peak	220.00	100	Vertical	Pass
4	2827.043	43.99	-2.69	74.0	-30.01	Peak	250.00	100	Vertical	Pass
5	3757.561	45.02	0.08	74.0	-28.98	Peak	359.00	100	Vertical	Pass
6	4275.931	47.20	1.78	74.0	-26.80	Peak	97.00	100	Vertical	Pass

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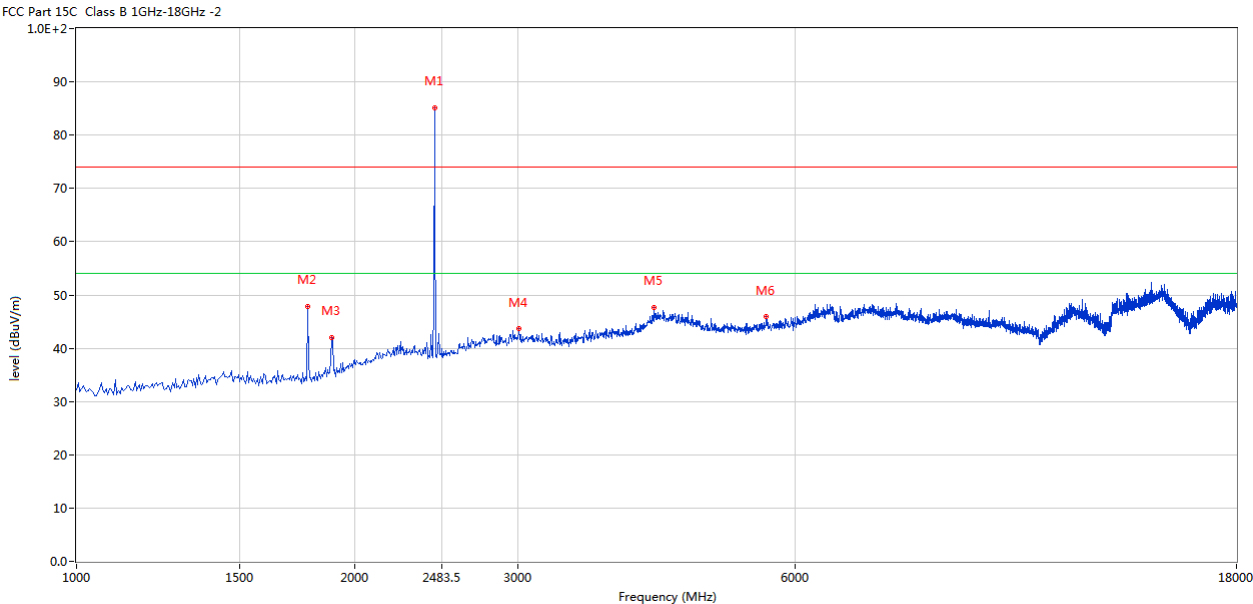
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal

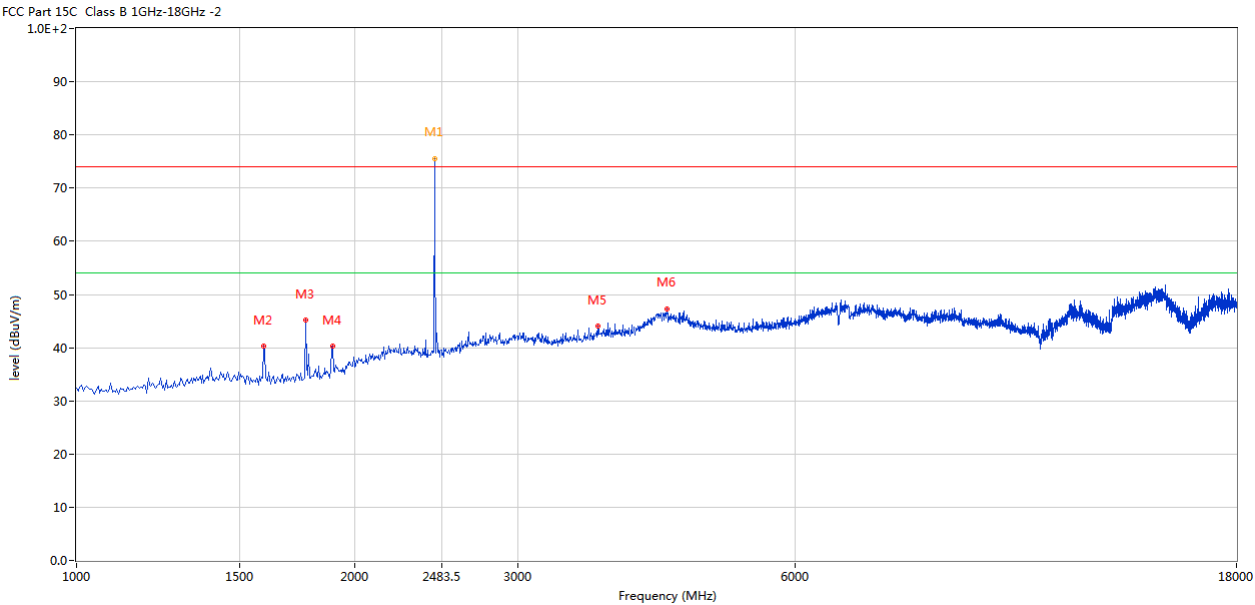


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2441	85.12	-3.57	114.0	-28.88	Peak	222.00	100	Horizontal	Pass
2	1777.556	47.91	-6.98	74.0	-26.09	Peak	34.00	100	Horizontal	Pass
3	1888.028	42.06	-6.03	74.0	-31.94	Peak	49.00	100	Horizontal	Pass
4	3013.997	43.66	-2.58	74.0	-30.34	Peak	326.00	100	Horizontal	Pass
5	4220.695	47.71	1.65	74.0	-26.29	Peak	69.00	100	Horizontal	Pass
6	5580.355	45.90	3.92	74.0	-28.10	Peak	284.00	100	Horizontal	Pass

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Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2441	75.50	-3.57	114.0	-38.50	Peak	57.00	100	Vertical	Pass
2	1599.100	39.36	-7.97	74.0	-34.64	Peak	282.00	100	Vertical	Pass
3	1769.058	45.12	-7.05	74.0	-28.88	Peak	202.00	100	Vertical	Pass
4	1892.277	40.27	-5.99	74.0	-33.73	Peak	187.00	100	Vertical	Pass
5	3668.333	43.99	-0.34	74.0	-30.01	Peak	329.00	100	Vertical	Pass
6	4356.661	47.36	1.93	74.0	-26.64	Peak	198.00	100	Vertical	Pass

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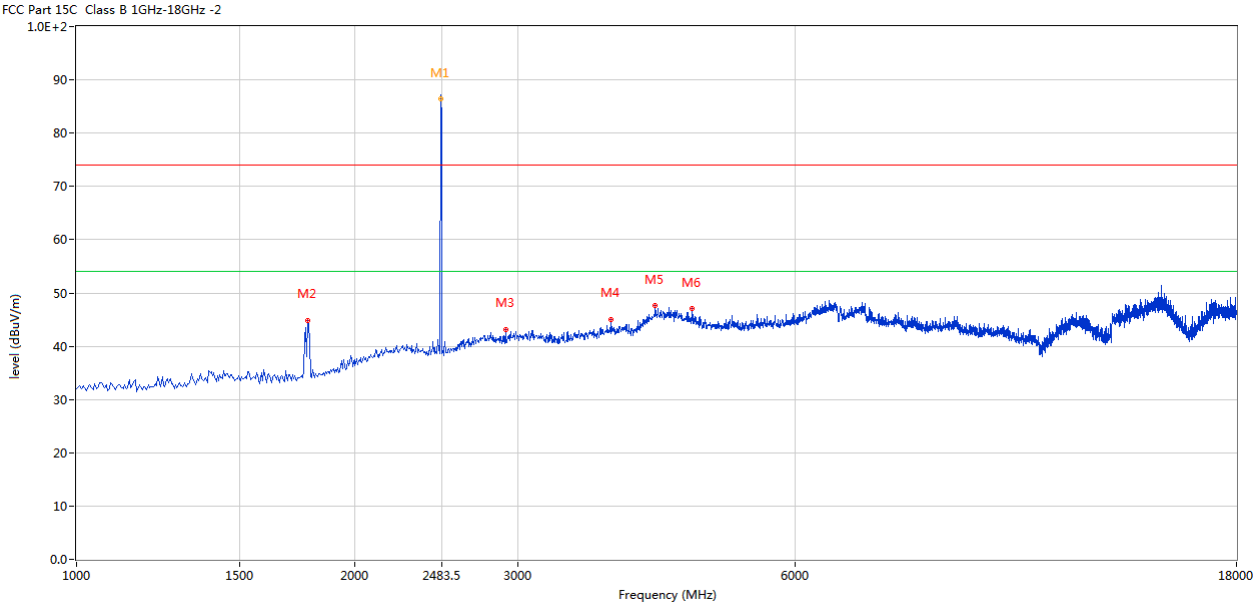
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal

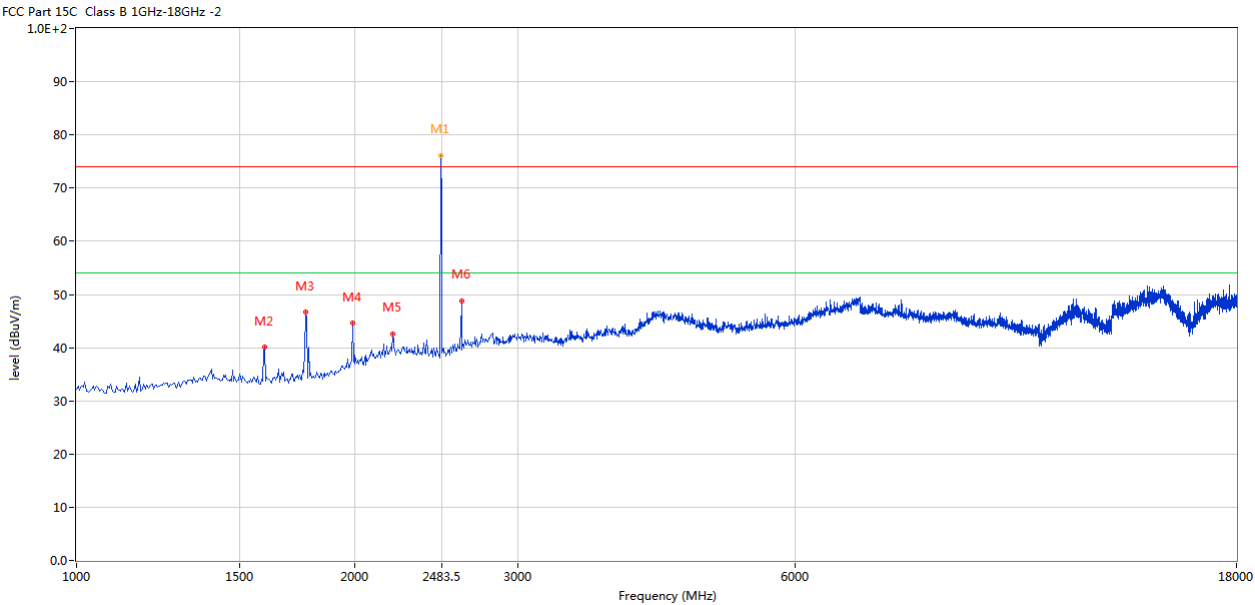


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2480	86.28	-3.57	114.0	-27.72	Peak	234.00	100	Horizontal	Pass
2	1777.556	44.87	-6.98	74.0	-29.13	Peak	13.00	100	Horizontal	Pass
3	2912.022	43.14	-2.67	74.0	-30.86	Peak	229.00	100	Horizontal	Pass
4	3791.552	45.09	0.26	74.0	-28.91	Peak	76.00	100	Horizontal	Pass
5	4229.193	47.61	1.67	74.0	-26.39	Peak	124.00	100	Horizontal	Pass
6	4637.091	47.07	2.68	74.0	-26.93	Peak	265.00	100	Horizontal	Pass

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Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2480	76.01	-3.57	114.0	-37.99	Peak	182.00	100	Vertical	Pass
2	1599.100	40.05	-7.97	74.0	-33.95	Peak	292.00	100	Vertical	Pass
3	1769.058	46.64	-7.05	74.0	-27.36	Peak	317.00	100	Vertical	Pass
4	1990.002	44.72	-5.19	74.0	-29.28	Peak	134.00	100	Vertical	Pass
5	2198.200	42.49	-3.26	74.0	-31.51	Peak	160.00	100	Vertical	Pass
6	2610.347	48.78	-3.28	74.0	-25.22	Peak	360.00	100	Vertical	Pass

- Note:
- (1) Emission Level = Reading Level + Antenna Factor + Cable Loss-Amplifier
  - (2) Margin=Emission-Limits
  - (3) According to section 15.35(b), the peak limit is 20dB higher than the average limit
  - (4) For test purpose, keep EUT continuous transmitting
  - (5) For emission above 18GHz and Below 30MHz, It is only the floor noise and less than the limit for more than 20dB. No necessary to take down.
  - (6) the measured PK value less than the AV limit.

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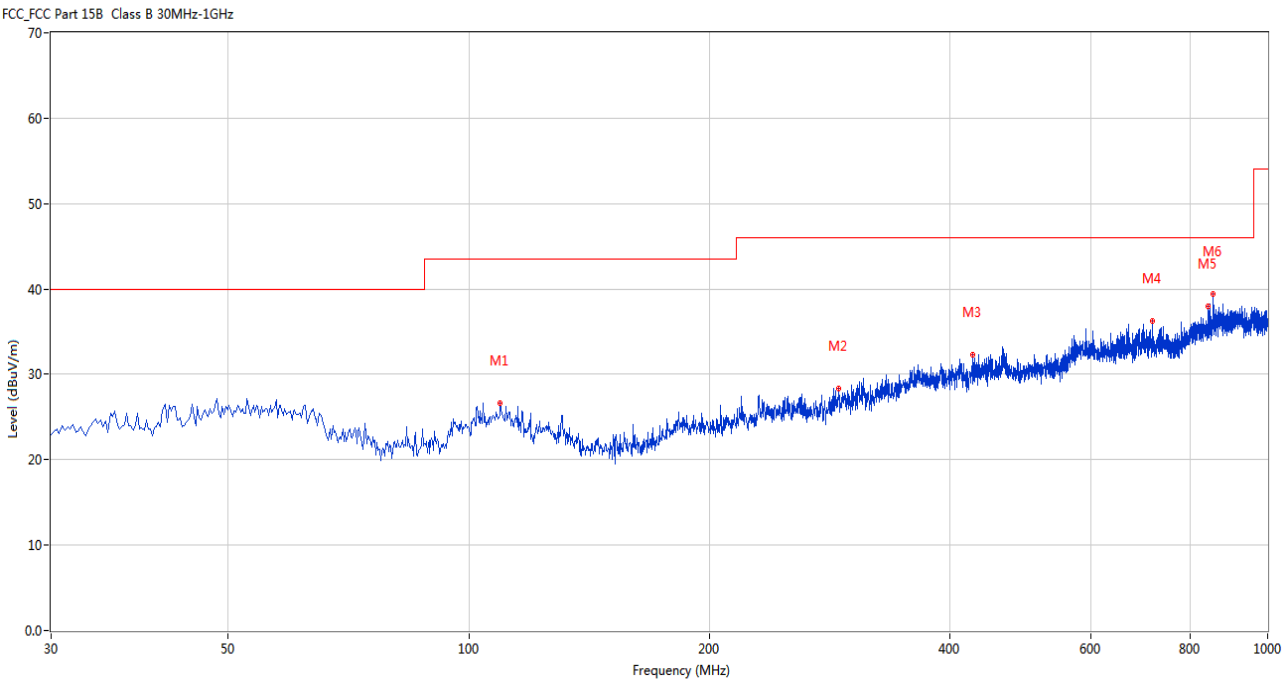


B. General Radiated Emission Data  
Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	109.520	26.69	-5.98	43.5	16.81	Peak	327.00	100	Horizontal	Pass
2	290.622	28.38	-4.38	46.0	17.62	Peak	271.00	100	Horizontal	Pass
3	427.116	32.29	-1.36	46.0	13.71	Peak	297.00	100	Horizontal	Pass
4	717.801	36.23	1.97	46.0	9.77	Peak	38.00	100	Horizontal	Pass
5	841.687	37.94	4.06	46.0	8.06	Peak	179.00	100	Horizontal	Pass
6	855.264	39.41	4.60	46.0	6.59	Peak	38.00	100	Horizontal	Pass

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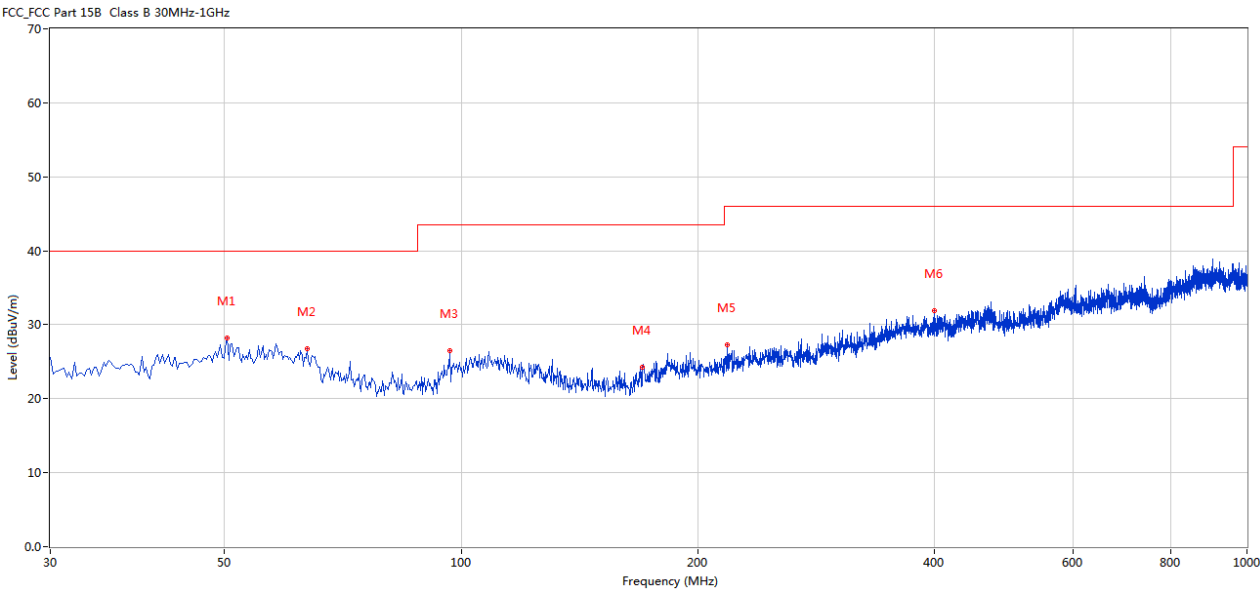


**Radiated Emission In Vertical (30MHz----1000MHz)**

EUT set Condition:    Keep Tx transmitting

**Results:    Pass**

Please refer to following diagram for individual



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	50.365	28.23	-5.13	40.0	11.77	Peak	262.00	100	Vertical	Pass
2	63.699	26.78	-5.75	40.0	13.22	Peak	69.00	100	Vertical	Pass
3	96.671	26.49	-7.34	43.5	17.01	Peak	181.00	100	Vertical	Pass
4	170.130	24.27	-8.92	43.5	19.23	Peak	16.00	100	Vertical	Pass
5	218.375	27.34	-6.26	46.0	18.66	Peak	349.00	100	Vertical	Pass
6	399.963	31.87	-1.69	46.0	14.13	Peak	328.00	100	Vertical	Pass

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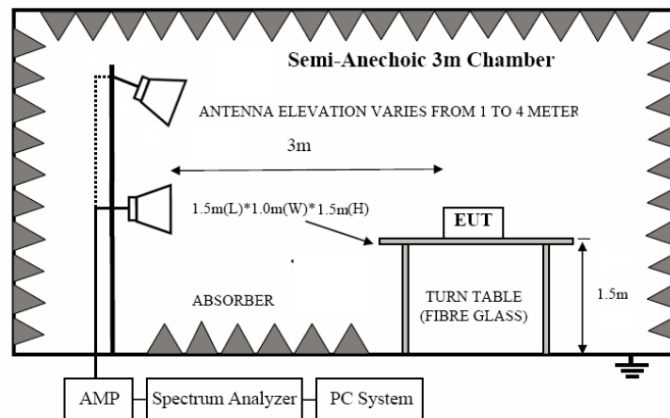


## 7. Band Edge

### 7.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10–2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) Set Spectrum as RBW=1MHz, VBW=3MHz and Peak detector used for PK value. RBW=1MHz, VBW=10Hz and Peak detector used for AV value.
- (3) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (4) The antenna polarization: Vertical polarization and Horizontal polarization.

### 7.2 Radiated Test Setup



For the actual test configuration, please refer to the related items – Photos of Testing

### 7.3 Configuration of the EUT

Same as section 5.3 of this report

### 7.4 EUT Operating Condition

Same as section 5.4 of this report.

### 7.5 Band Edge Limit

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

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7.6 Test Result

Product:	Pocket Voice Recorder			Polarity	Horizontal		
Mode	Keeping Transmitting			Test Voltage	DC3.8V		
Temperature	24 deg. C,			Humidity	56% RH		
Test Result:	Pass			--	--		

FCC Part 15C Class B 1GHz-18GHz -2

1.0E+2

Level (dBuV/m)

Frequency (MHz)

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2402.052	85.58	-3.57	74.0	11.58	Peak	303.00	100	Horizontal	N/A
2	2399.998	61.70	-3.57	74.0	-12.30	Peak	318.00	100	Horizontal	Pass
2**	2399.998	51.86	-3.57	54.0	-2.14	AV	318.00	100	Horizontal	Pass
3	2390.055	40.10	-3.53	74.0	-33.90	Peak	314.00	100	Horizontal	Pass

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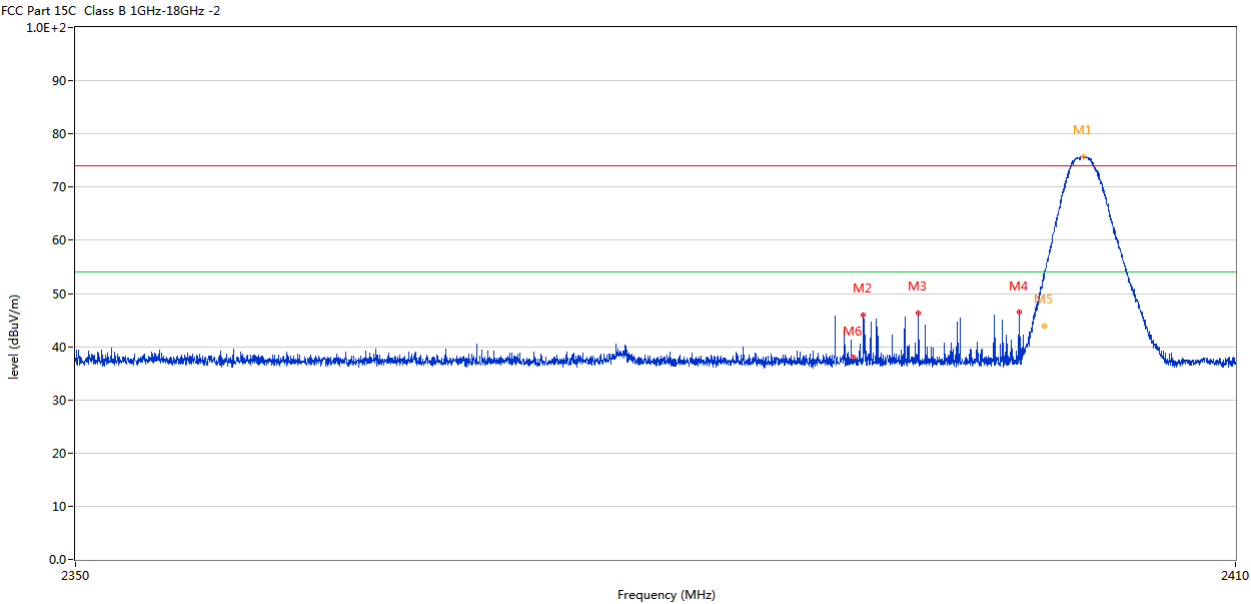
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Product:	Pocket Voice Recorder	Detector	Vertical
Mode	Keeping Transmitting	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2402.037	75.68	-3.57	74.0	1.68	Peak	203.00	100	Vertical	N/A
2	2390.595	45.96	-3.53	74.0	-28.04	Peak	132.00	100	Vertical	Pass
3	2393.459	46.35	-3.54	74.0	-27.65	Peak	122.00	100	Vertical	Pass
4	2398.678	46.54	-3.56	74.0	-27.46	Peak	137.00	100	Vertical	Pass
5	2400.027	54.00	-3.57	74.0	-20.00	Peak	15.00	100	Vertical	Pass
5**	2400.027	43.93	-3.57	54.0	-10.07	AV	15.00	100	Vertical	Pass
6	2390.040	38.01	-3.53	74.0	-35.99	Peak	25.00	100	Vertical	Pass

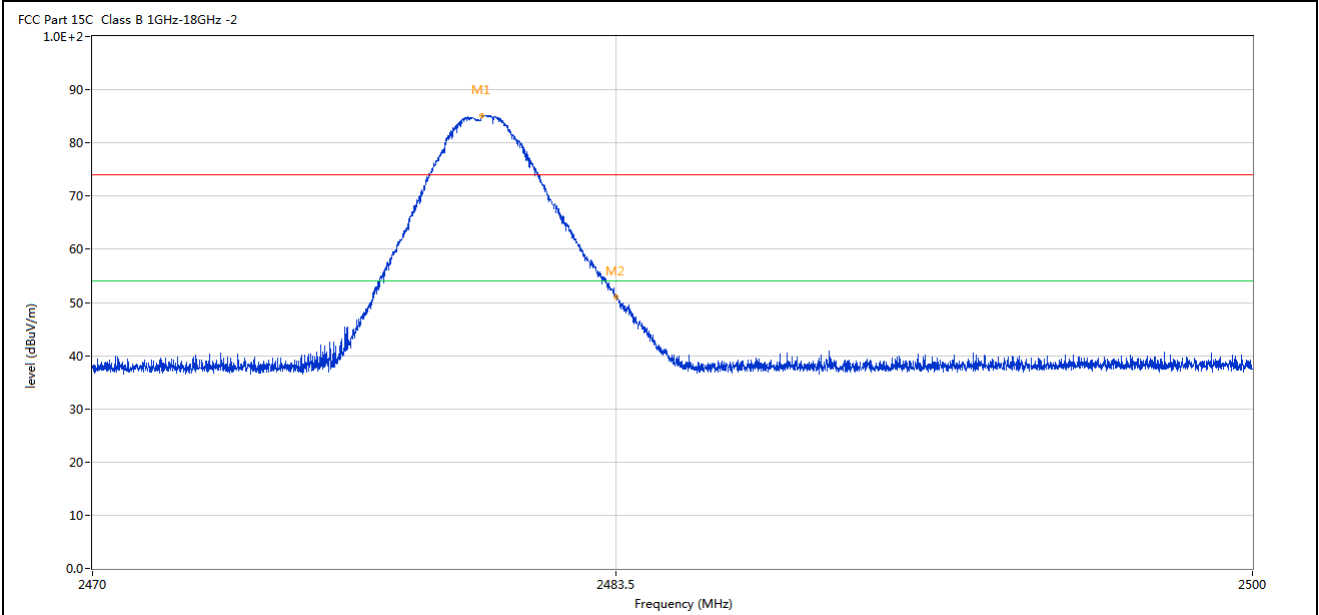
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Product:	Pocket Voice Recorder	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--

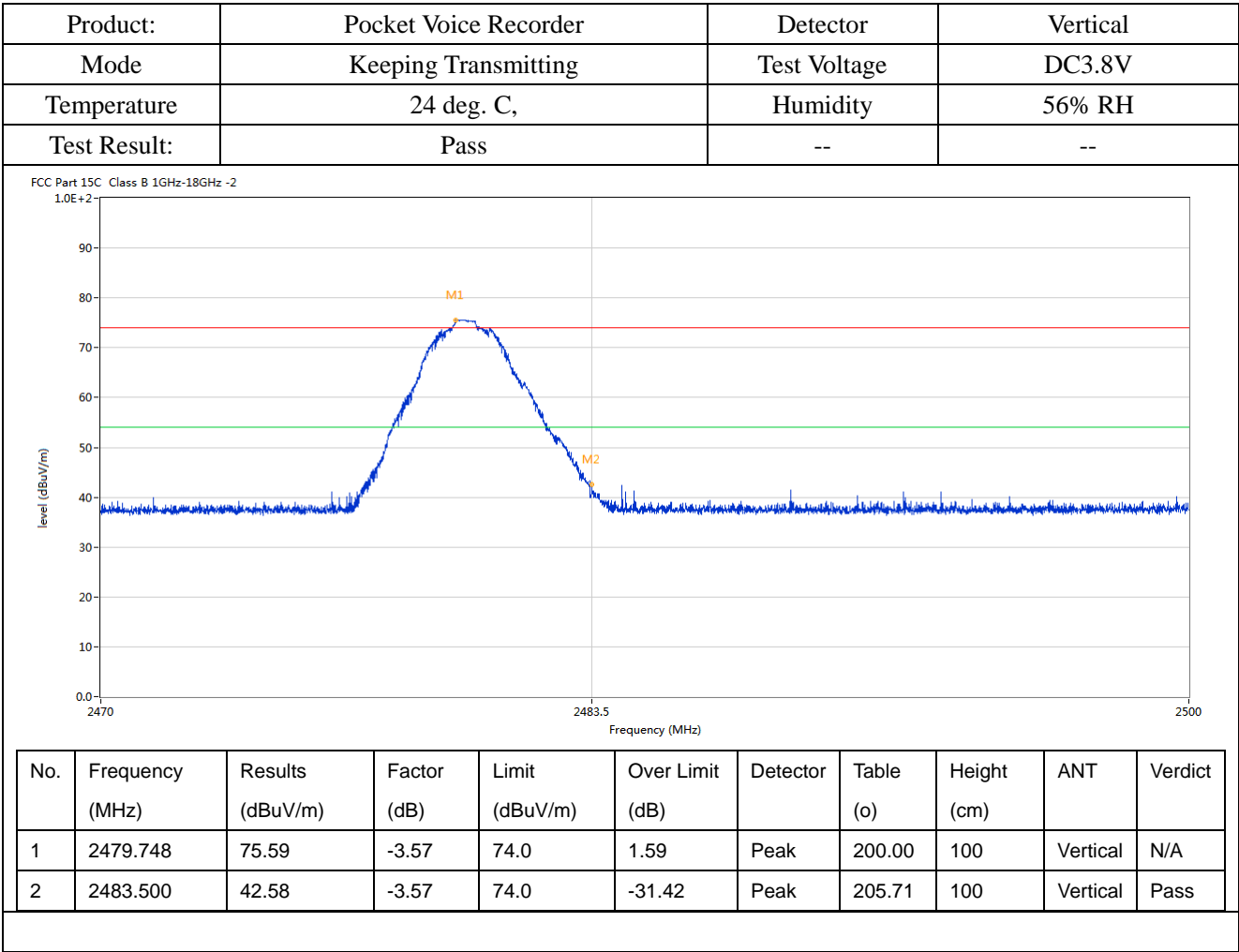


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2480.017	85.10	-3.57	74.0	11.10	Peak	211.00	100	Horizontal	N/A
2	2483.500	51.01	-3.57	74.0	-22.99	Peak	237.00	100	Horizontal	Pass

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Note: 1. The PK emission level less than the AV limit. No necessary to record the AV emission level.

2. The three modulation modes of GFSK, Pi/4D-QPSK and 8DPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.

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## 8.0 Antenna Requirement

### Applicable Standard

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 shall be considered sufficient to comply with the provisions of this section.

This product has a chip antenna with gain 2.6dBi maximum. It fulfills the requirement of this section.

Test Result: Pass

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9.0 20dB Bandwidth Measurement

Test Configuration



Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30kHz RBW and 100kHz VBW.

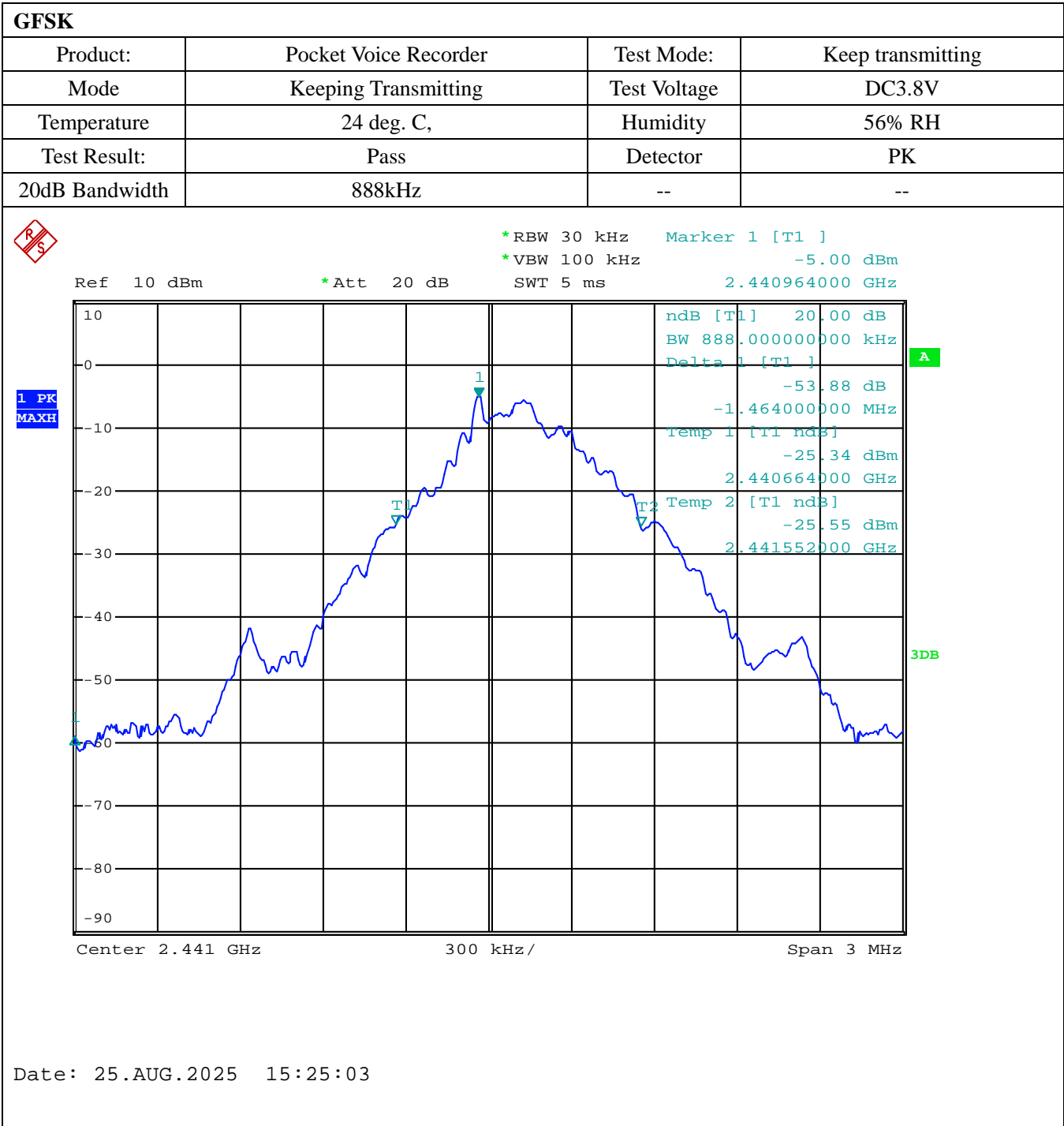
The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

Limit

N/A

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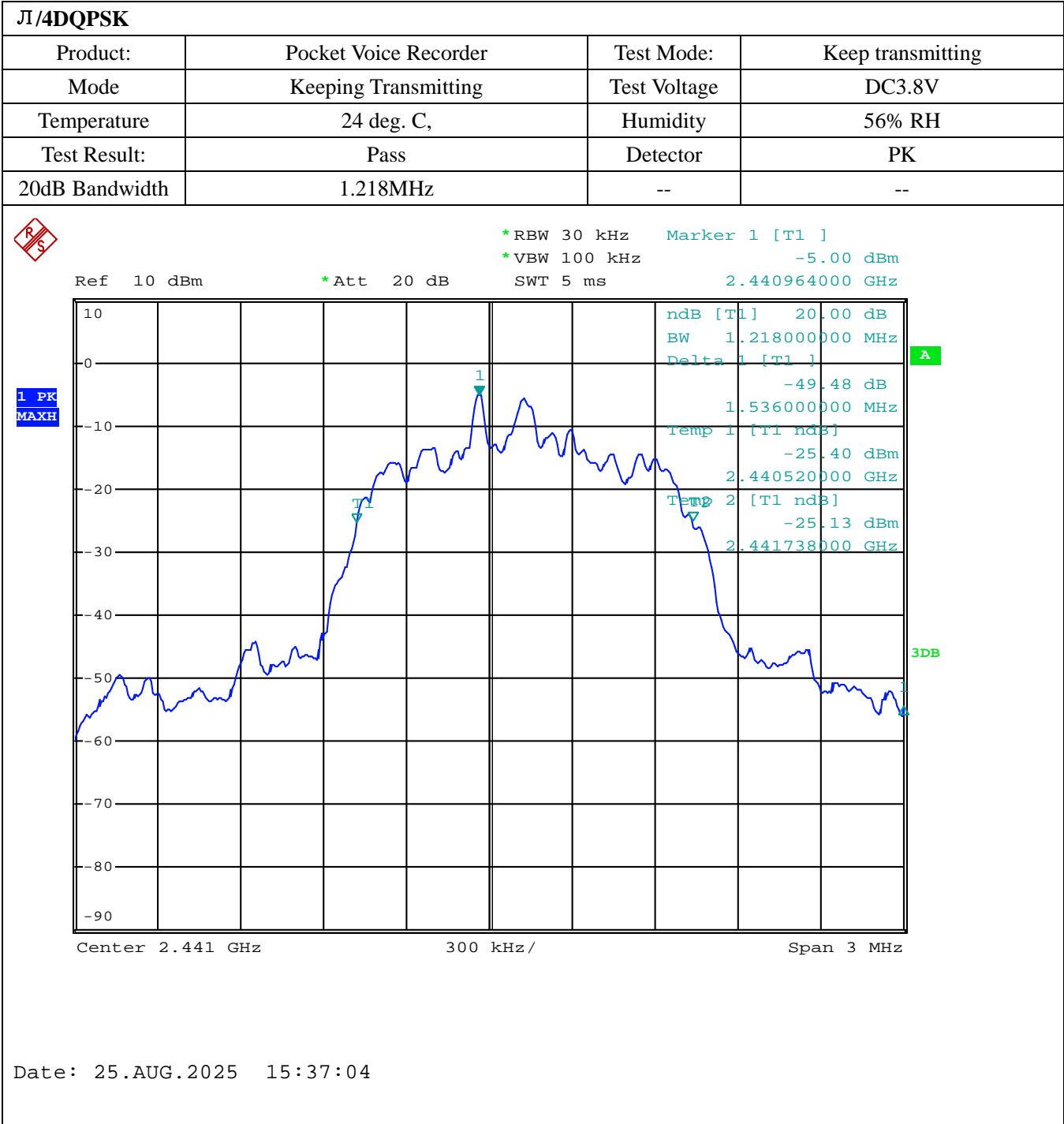


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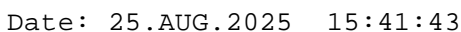




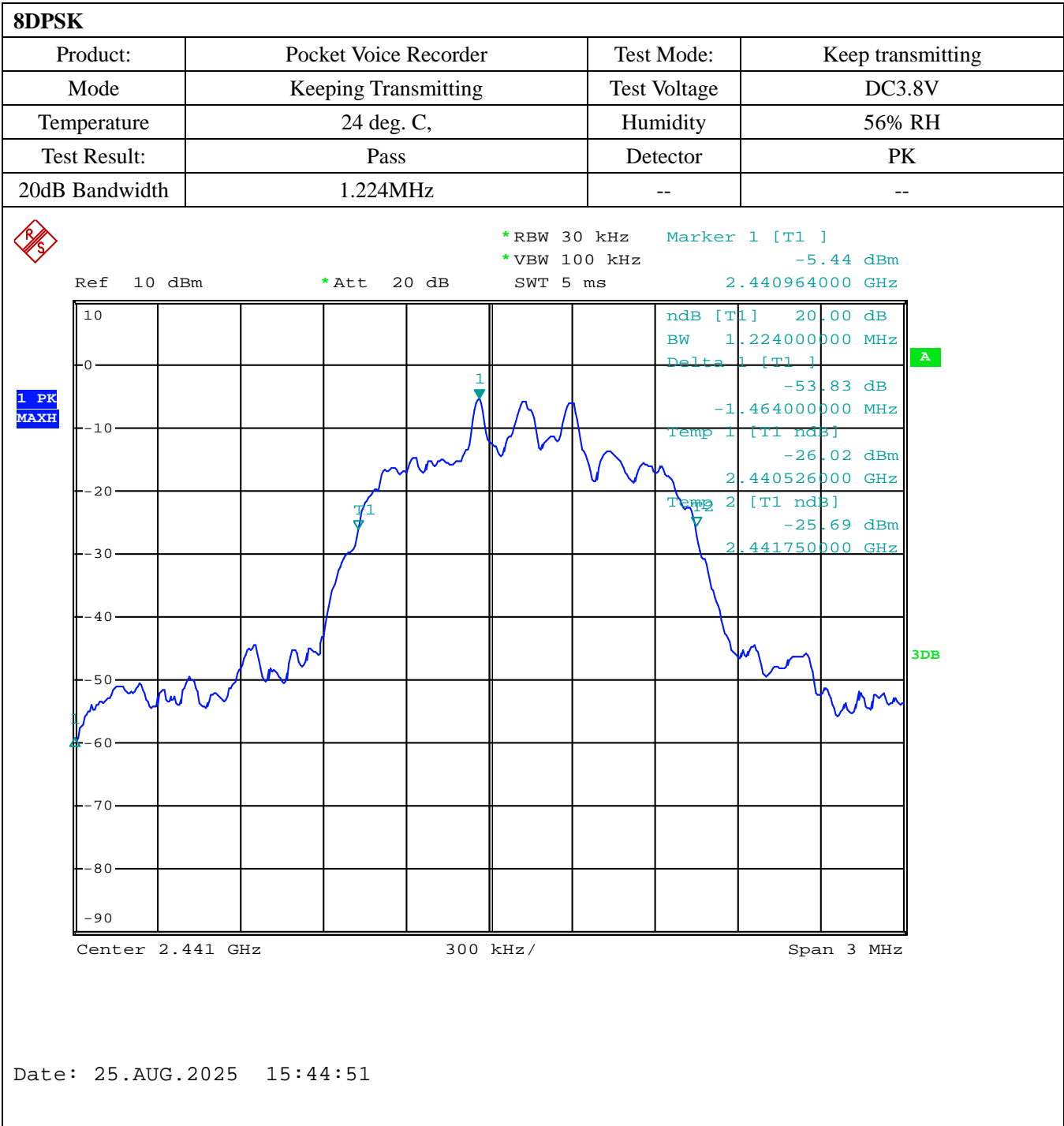








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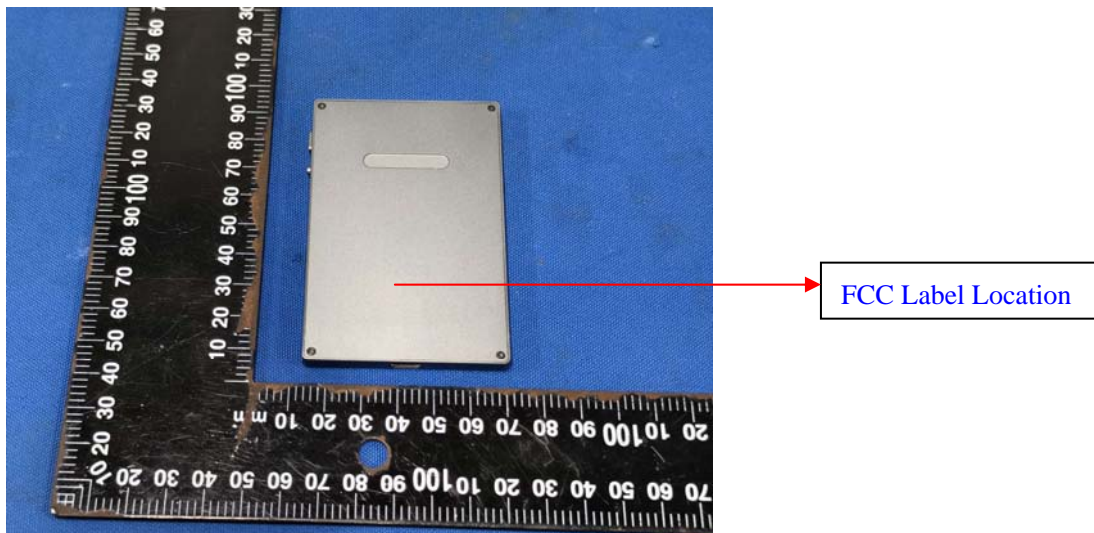


## 10.0 FCC ID Label

**FCC ID: RBD-PKT01**

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

### Mark Location:



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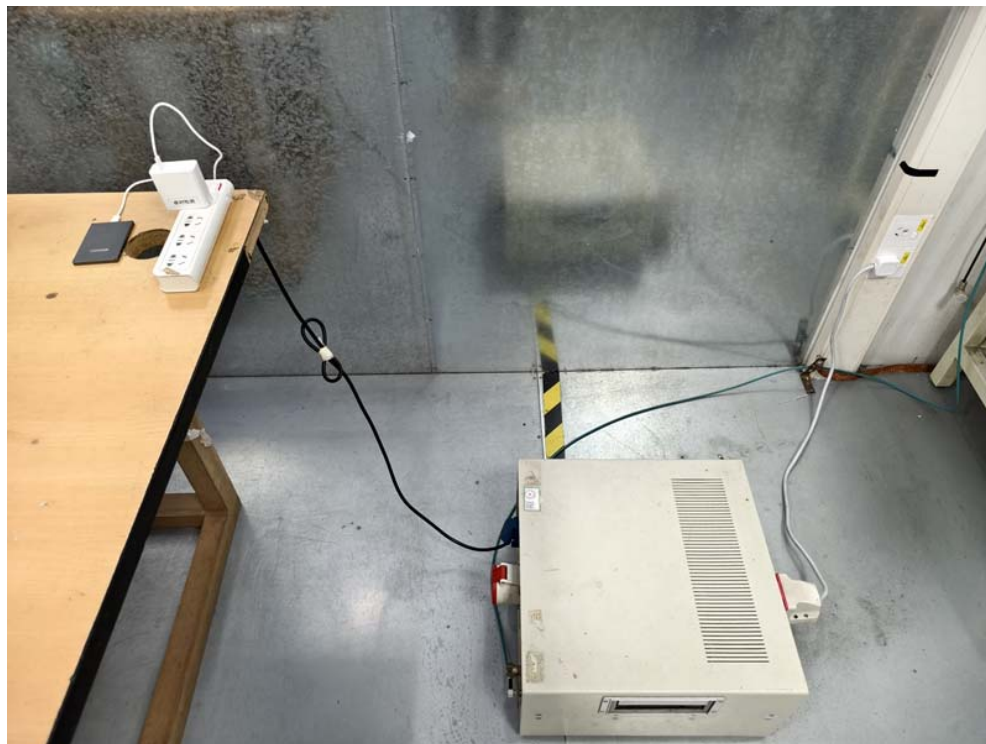
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**11.0** Photo of testing

**11.1** Conducted test View



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Radiated emission test view



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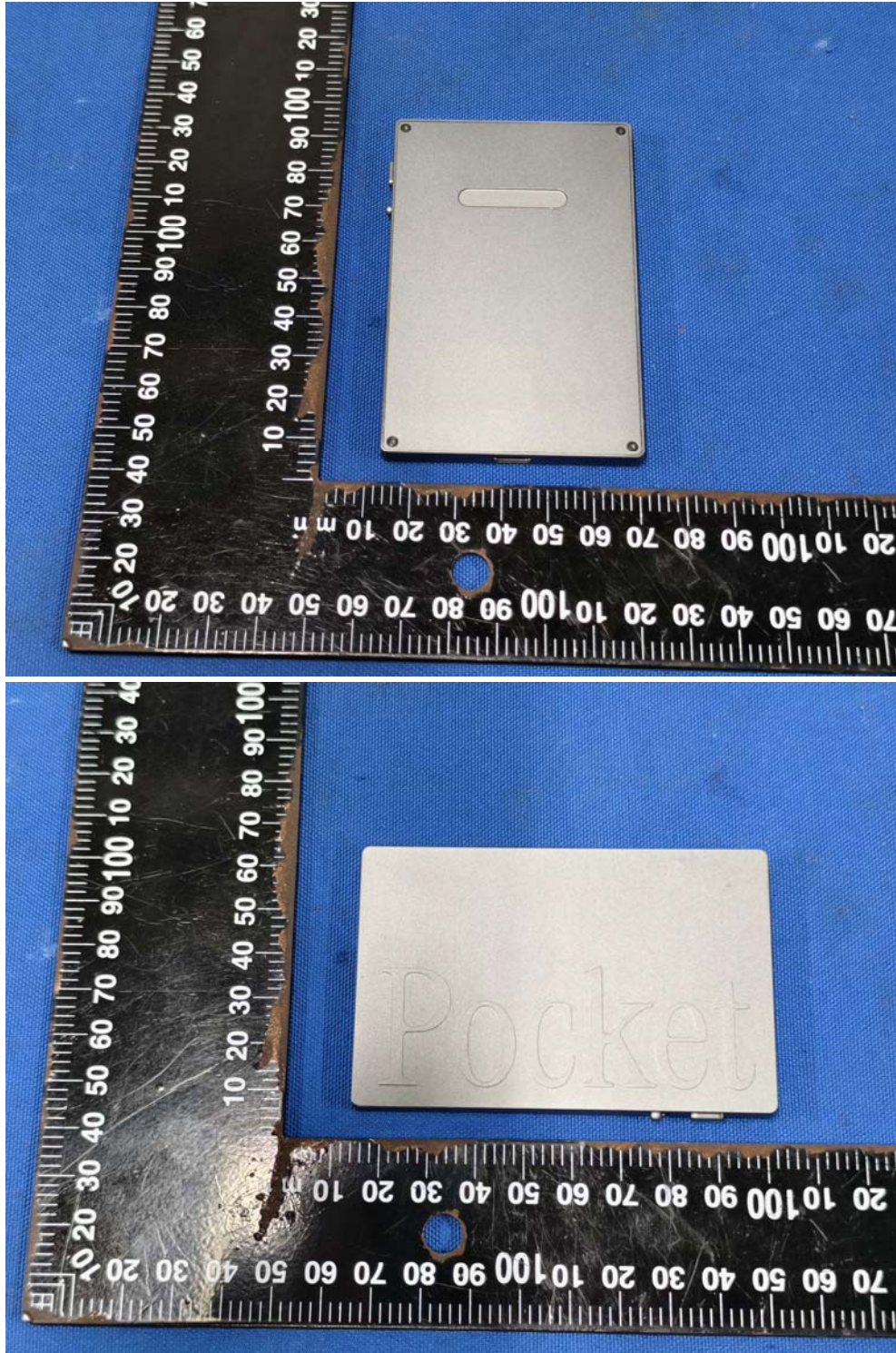
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11.2 Photographs – EUT

Outside View



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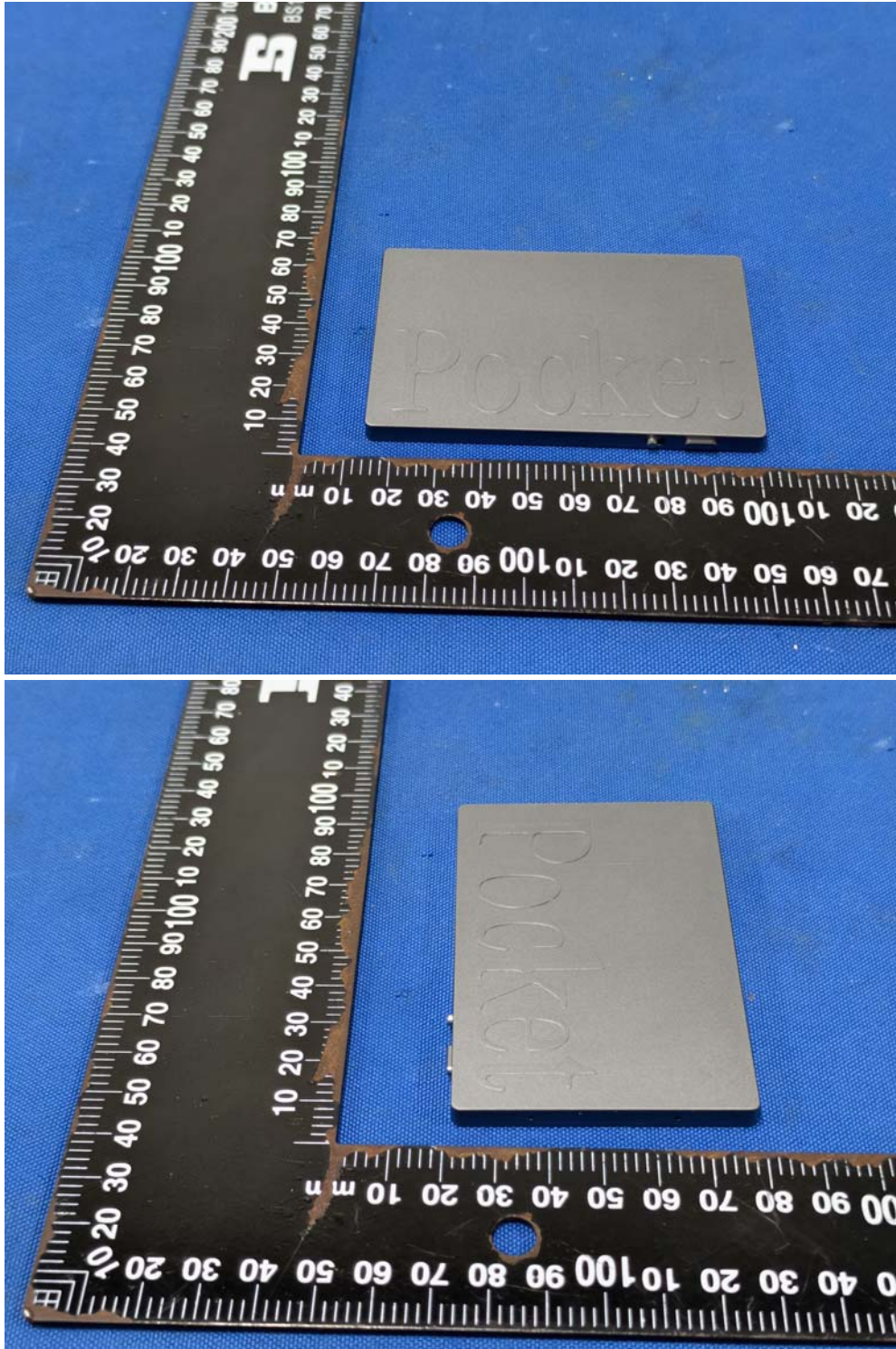
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Outside View



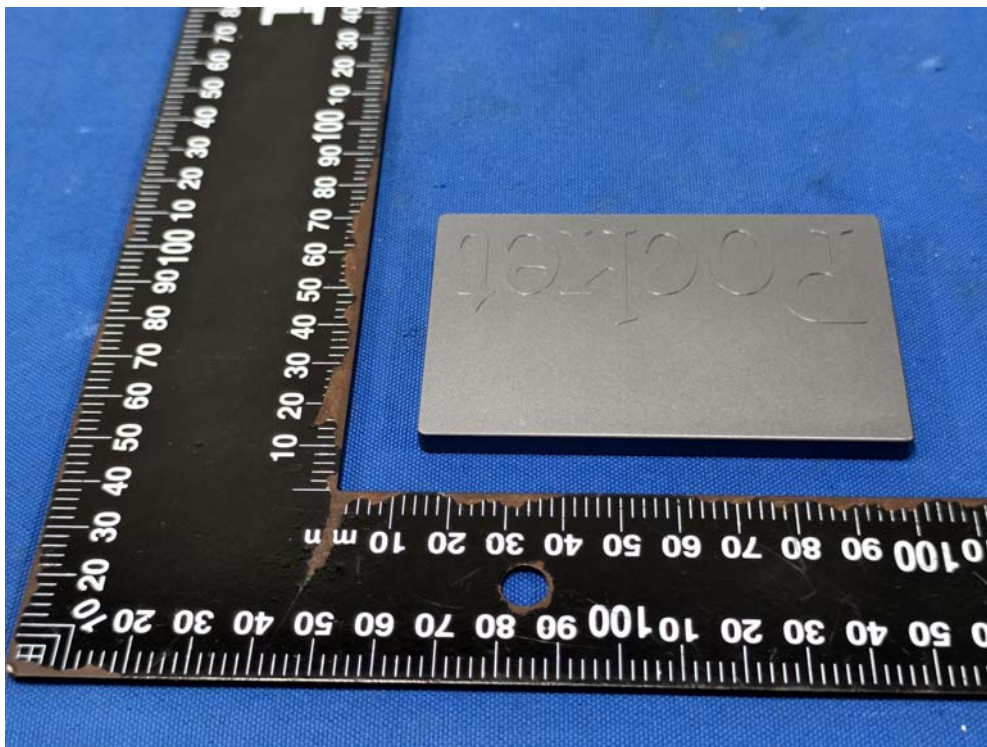
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Outside View



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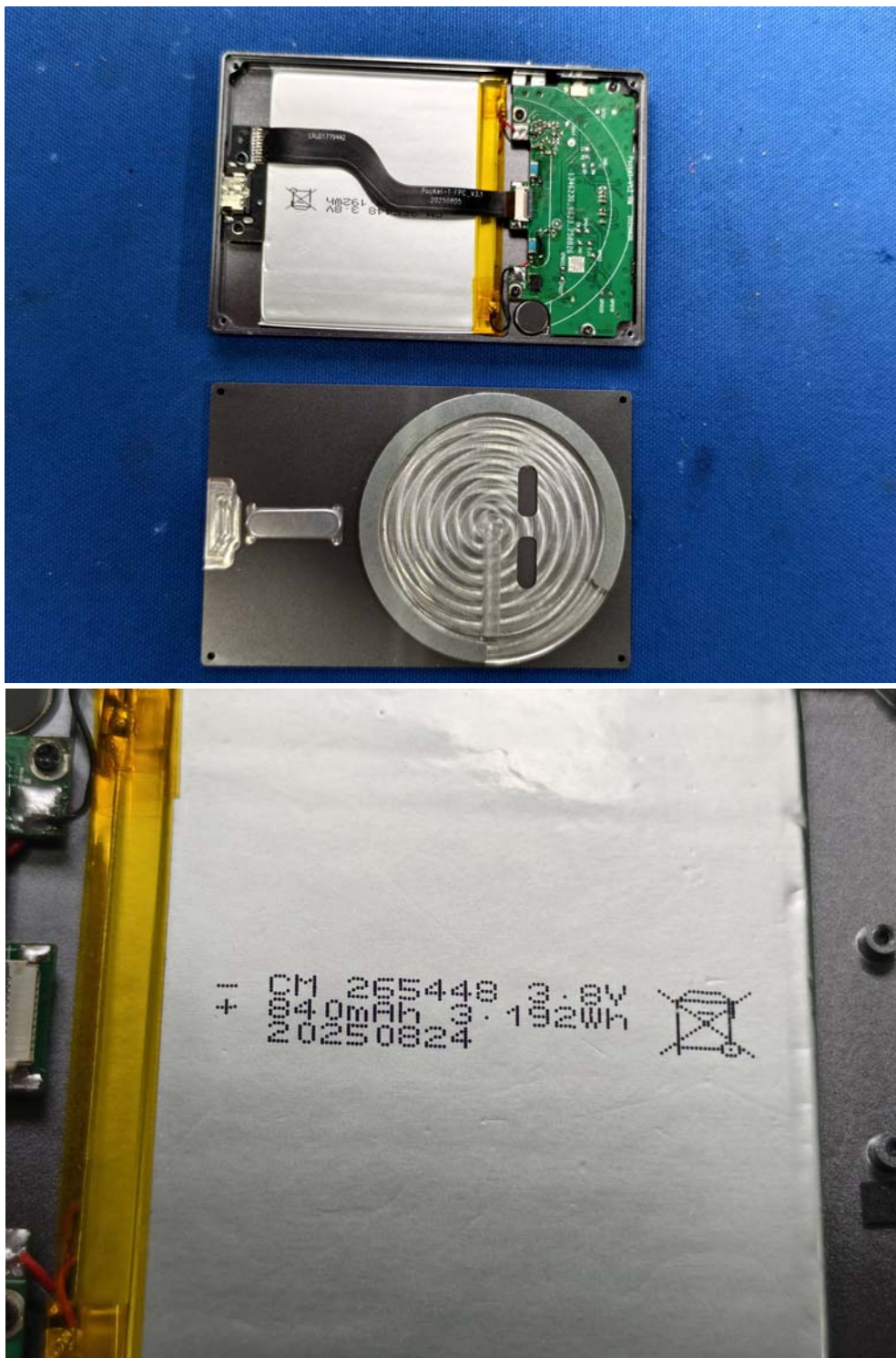
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Inside View



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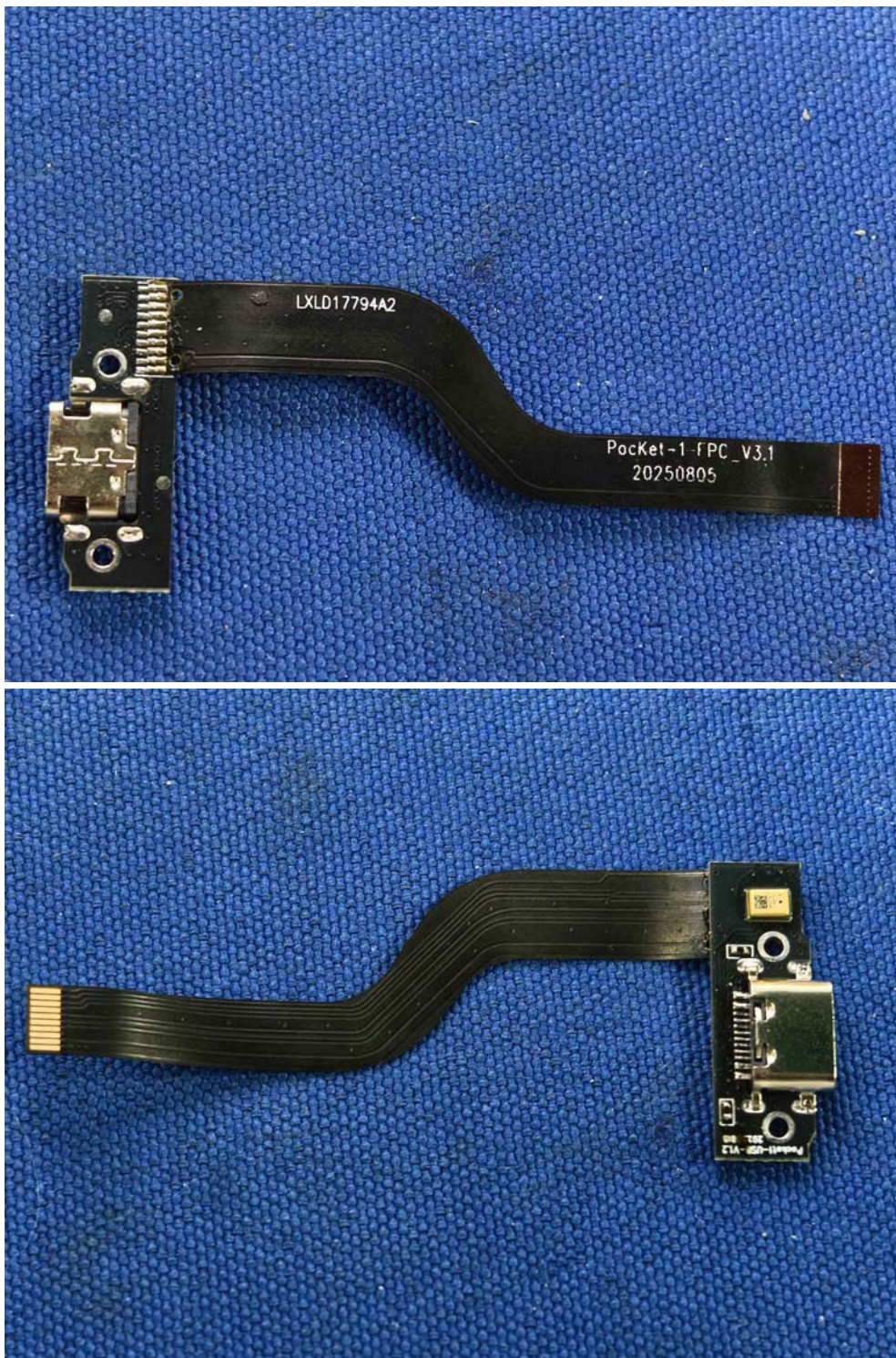
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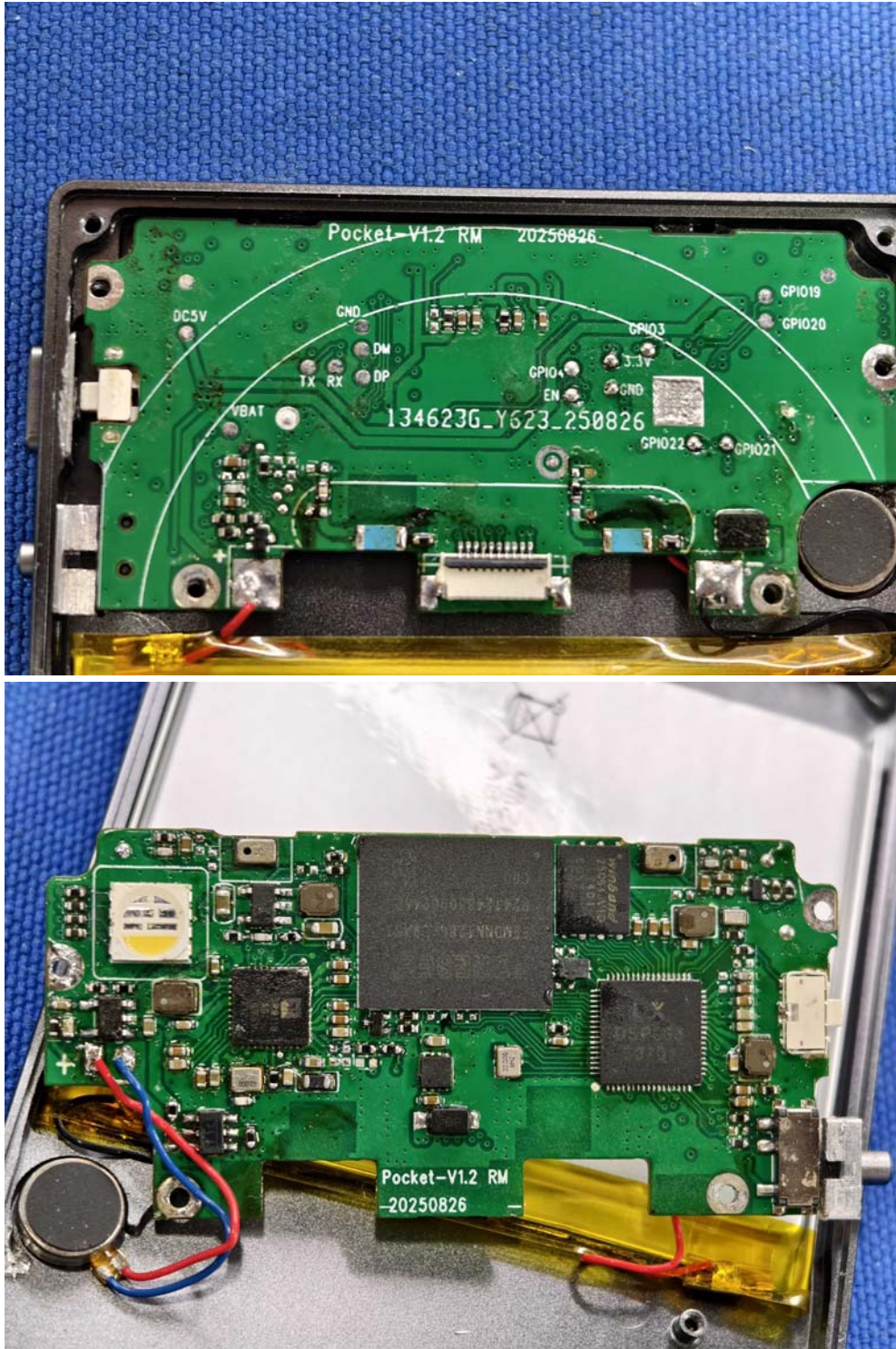
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Inside View



--End of the report--

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