



# FCC TEST REPORT

**Report reference No**..... : ZTL-2022050904E

**Date of issue** ..... : May. 13, 2022

Total number of pages..... : 16

**Testing Laboratory name**..... : Shenzhen ZTL Testing Technology Co., Ltd.

Address..... : No. 302, 3rd Floor, Qiaotou Chuangke Center, No.168 Yongfu Road, Fuhai Street, Baoan District, Shenzhen, China

**Applicant's name** ..... : Green Holistic Solutions Inc.

Address..... : 3027 US Highway 17, Fleming Island, FL 32003

**Test specification**

Standard..... : FCC Part 15 Subpart B  
ANSI C63.4:2014

Test procedure ..... : N/A

Test Result ..... : Pass

**Test Report Form No**..... : --

TRF Originator ..... : ZTL testing

Master TRF ..... : Dated 2018-03

This device described above has been tested by ZTL, and the test results show that the equipment under test (EUT) is in compliance with Part 15 of FCC Rules. And it is applicable only to the tested sample identified in the report.

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**Test item description** ..... : Vitamin Vape (non nicotine)

Trademark ..... : VITACIG®

Manufacturer's name ..... : Green Holistic Solutions Inc.

Address..... : 3027 US Highway 17, Fleming Island, FL 32003

Model and/or type reference ..... : Marvelous Mint  
Vintage Vanilla, Cool Citrus, Charming Cherry, Boisterous Berry, Succulent Strawberry, Max Menthol, Sleep, Surge, Kama Sutra, Stress, Slim, Rejuvenate, Freedom, Focus, Watermelon Wave, Tropical Twist

Rating(s) ..... : DC 3.7V From Battery



**Testing procedure and testing location:**

Testing Laboratory.....: **Shenzhen ZTL Testing Technology Co., Ltd.**

Address.....: No. 302, 3rd Floor, Qiaotou Chuangke Center, No.168  
Yongfu Road, Fuhai Street, Baoan District, Shenzhen,  
China

Date of Test.....: May. 06, 2022 to May. 13, 2022

Tested by (name + signature).....: Danny Ke

*Danny Ke*

Jason Li

Reviewed by (name + signature).....:

*Jason Li*

Approved by (name + signature).....: Marsh Wang



## TABLE OF CONTENT

	Page
Test Report Declaration	
<b>1. GENERAL INFORMATION.....</b>	<b>4</b>
1.1. Description of Device (EUT).....	4
1.2. Test Facility.....	4
1.3. Tested System Details.....	4
1.4. Test Uncertainty.....	4
<b>2. TEST INSTRUMENT USED.....</b>	<b>5</b>
<b>3. CONDUCTED EMISSION AT THE MAINS TERMINALS TEST.....</b>	<b>6</b>
3.1. Block Diagram Of Test Setup.....	6
3.2. Test Standard.....	6
3.3. Power Line Conducted Emission Limit.....	6
3.4. EUT Configuration on Test.....	6
3.5. Operating Condition of EUT.....	6
3.6. Test Procedure.....	7
3.7. Test Result.....	7
<b>4. RADIATION EMISSION TEST.....</b>	<b>8</b>
4.1. Block Diagram of Test Setup.....	8
4.2. Test Standard.....	8
4.3. Radiation Limit.....	8
4.4. EUT Configuration on Test.....	8
4.5. Operating Condition of EUT.....	8
4.6. Test Procedure.....	9
4.7. Test Result.....	9
<b>5. EUT PHOTOGRAPHS.....</b>	<b>12</b>
<b>6. EUT TEST PHOTOGRAPHS.....</b>	<b>16</b>

## 1. GENERAL INFORMATION

### 1.1 Description of Device

EUT : Vitamin Vape (non nicotine)

Trademark : 

Model Number : Marvelous Mint

Serial Model : Vintage Vanilla, Cool Citrus, Charming Cherry, Boisterous Berry, Succulent Strawberry, Max Menthol, Sleep, Surge, Kama Sutra, Stress, Slim, Rejuvenate, Freedom, Focus, Watermelon Wave, Tropical Twist

Model Difference : The model color, model and size of the product are different

Power Supply : DC 3.7V From Battery

**Note:** Marvelous Mint was selected as the test model and the datas have been recorded in this report.

### 1.2 Test Facility

Shenzhen ZTL Testing Technology Co., Ltd.

No. 302, 3rd Floor, Qiaotou Chuangke Center, No.168 Yongfu Road, Fuhai Street, Baoan District, Shenzhen, China.

### 1.3 Tested System Details

None

### 1.4 Test Uncertainty

Conducted Emission :  $\pm 2.66$ dB  
Uncertainty

Radiated Emission Uncertainty :  $\pm 4.26$ dB

## 2. TEST INSTRUMENT USED

### For Conducted Emission at the mains terminals Test

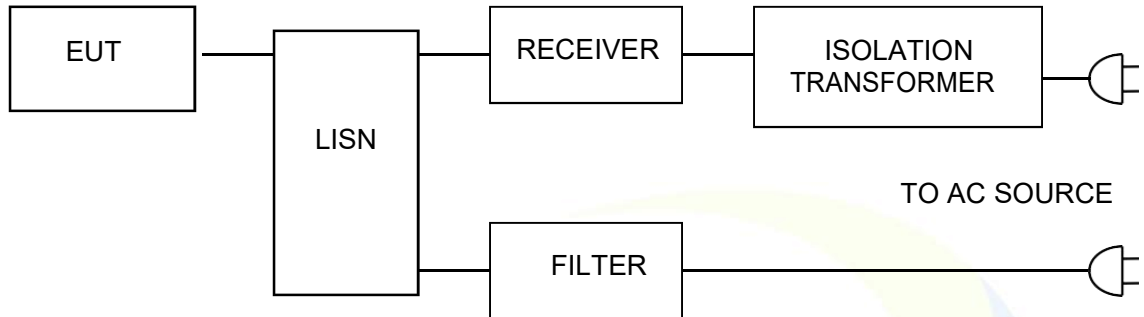
Conducted Emission Test ( A --- site)					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
843 Shielded Room	ChengYu	843 Room	843	Mar. 09, 2022	Mar. 08, 2023
EMI Receiver	R&S	ESCI	101421	Mar. 09, 2022	Mar. 08, 2023
LISN	Schwarzbeck	NSLK8127	8127739	Mar. 09, 2022	Mar. 08, 2023
Attenuator	R&S	ESH3-Z2	ZTL021E	Mar. 09, 2022	Mar. 08, 2023
843 Cable 1#	FUJIKURA	843C1#	001	Mar. 09, 2022	Mar. 08, 2023

### For Radiated Emission Test

Radiation Emission Test (966 chamber)					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
966 chamber	ChengYu	966 Room	966	Mar. 09, 2022	Mar. 08, 2023
Spectrum Analyzer	Agilent	E4407B	MY45109572	Mar. 09, 2022	Mar. 08, 2023
Amplifier	Schwarzbeck	BBV9743	9743-119	Mar. 09, 2022	Mar. 08, 2023
Amplifier	Schwarzbeck	BBV9718	9718-270	Mar. 09, 2022	Mar. 08, 2023
Log-periodic Antenna	Schwarzbeck	VULB9160	VULB9160-3 369	Mar. 09, 2022	Mar. 08, 2023
EMI Receiver	R&S	ESCI	101421	Mar. 09, 2022	Mar. 08, 2023
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1275	Mar. 09, 2022	Mar. 08, 2023
966 Cable 1#	CHENGYU	966	004	Mar. 09, 2022	Mar. 08, 2023
966 Cable 2#	CHENGYU	966	003	Mar. 09, 2022	Mar. 08, 2023

### 3. CONDUCTED EMISSION AT THE MAINS TERMINALS TEST

#### 3.1. Block Diagram Of Test Setup



#### 3.2. Test Standard

FCC PART 15 B

#### 3.3. Power Line Conducted Emission Limit

Frequency MHz	Limits dB(μV)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66 ~ 56*	56 ~ 46*
0.50 ~ 5.00	56	46
5.00 ~ 30.00	60	50

Notes: 1. Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

#### 3.4. EUT Configuration on Test

The following equipments are installed on conducted emission test to meet FCC PART 15 B requirement and operating in a manner which tends to maximize its emission characteristics in a normal application.

#### 3.5. Operating Condition of EUT

3.5.1 Setup the EUT and simulators as shown in Section 3.1.

3.5.2 Turn on the power of all equipments.

3.5.3 Let the EUT work in test modes and test it.

### 3.6. Test Procedure

The EUT is put on the ground and connected to the AC mains through a Artificial Mains Network (AMN). This provided a 50ohm coupling impedance for the tested equipments. Both sides of AC line are checked to find out the maximum conducted emission levels according to the **FCC PART 15 B** regulations during conducted emission test.

The bandwidth of the test receiver (R&S Test Receiver ESCI) is set at 10KHz.

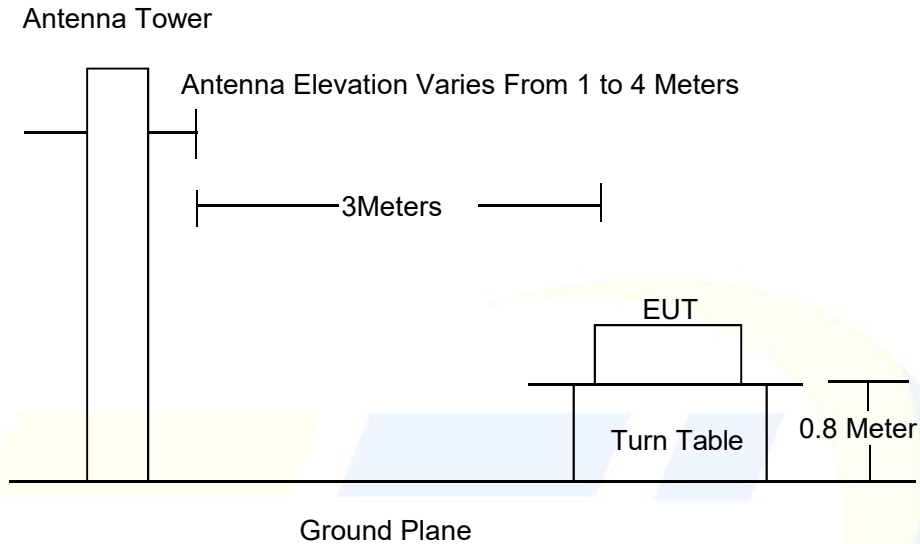
The frequency range from 150 KHz to 30 MHz is investigated.

### 3.7. Test Result

The EUT is powered by the Battery only, the test item is not applicable.

## 4. RADIATION EMISSION TEST

### 4.1. Block Diagram of Test Setup



### 4.2. Test Standard

FCC PART 15 B

### 4.3. Radiation Limit

FREQUENCY (MHz)	DISTANCE (Meters)	FIELD STRENGTHS LIMITS (dB $\mu$ V/m)
30 ~ 88	3	40.0
88 ~ 216	3	43.5
216 ~ 960	3	46.0
960 ~ 1000	3	54.0

### 4.4. EUT Configuration on Test

The FCC PART 15 B regulations test method must be used to find the maximum emission during radiated emission test.

The configuration of EUT is the same as used in conducted emission test. Please refer to Section 2.2.

### 4.5. Operating Condition of EUT

Same as conducted emission test, which is listed in Section 2.2 except the test set up replaced as Section 4.1.



#### 4.6. Test Procedure

The EUT and its simulators are placed on a turned table that is 0.8 meter above the ground. The turned table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna that is mounted on the antenna tower. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated biconical and log periodical antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on test. In order to find the maximum emission levels, the interface cable must be manipulated according to FCC PART 15 B on radiated emission test.

The bandwidth setting on the field strength meter (R&S Test Receiver ESCI) is set at 120KHz below 1GHz, set at 1MHz above 1GHz

The frequency range from 30MHz to 1000MHz is checked.

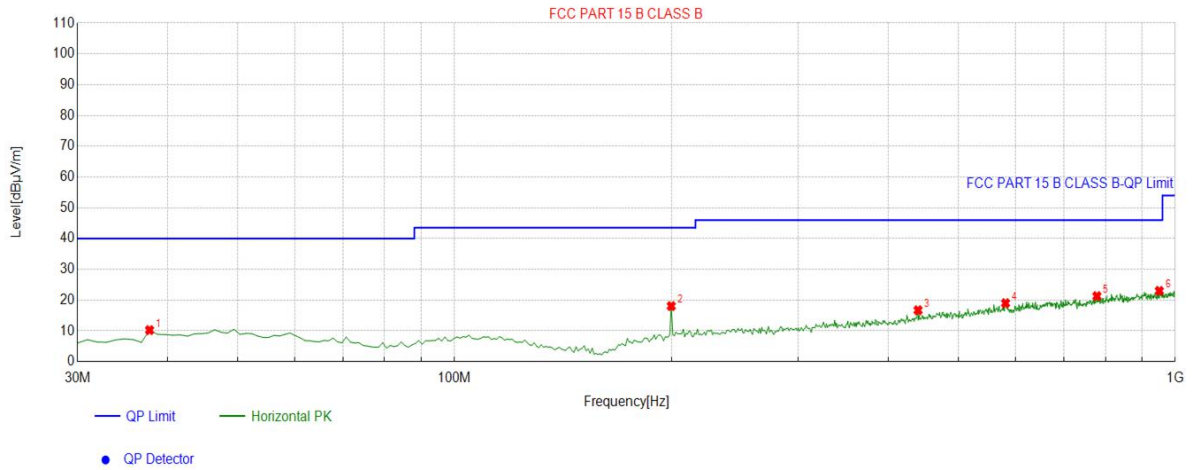
The highest frequency of the internal sources of the EUT was 1.3GHz, so the measurement was only made up to 6GHz.

#### 4.7. Test Result

PASS

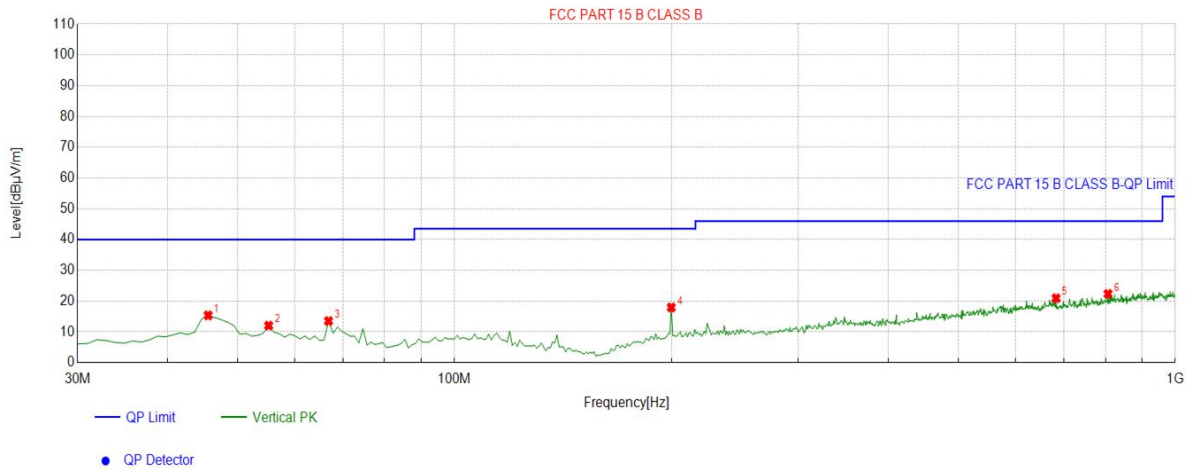
Please refer to the following page.

Radiation Emission Test Data			
EUT:	Vitamin Vape (non nicotine)	Model Name :	Marvelous Mint
Temperature:	24 °C	Relative Humidity:	54%
Pressure:	1010 hPa	Polarization :	Horizontal
Test Voltage :	DC 3.7V From Battery	Test Mode:	Working



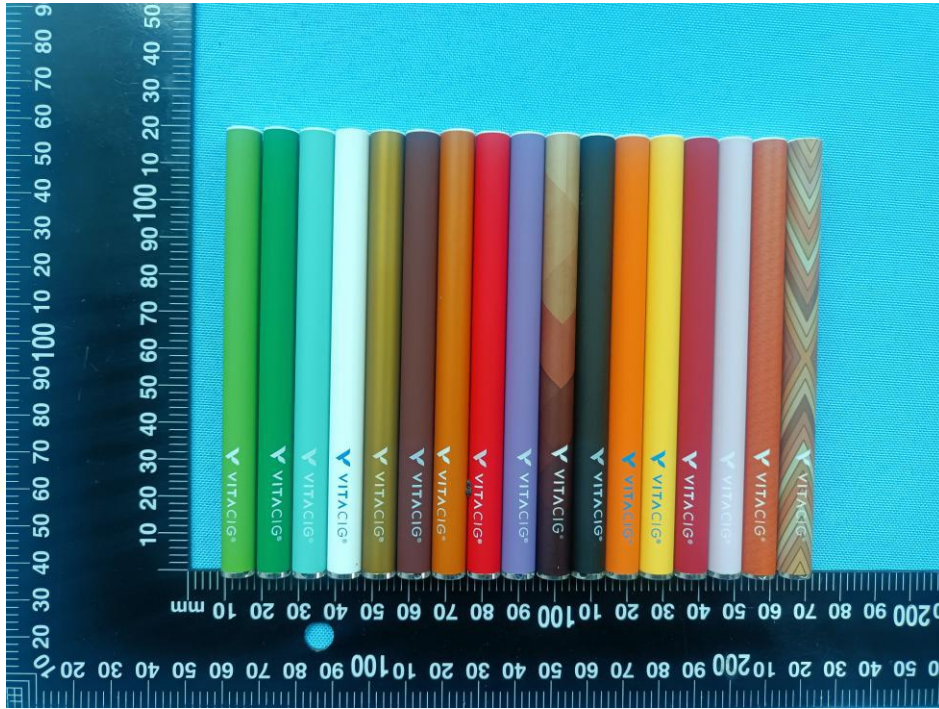
Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	37.7678	-15.26	25.50	10.24	40.00	29.76	100	57	Horizontal
2	199.9199	-15.07	33.12	18.05	43.50	25.45	100	266	Horizontal
3	439.7498	-9.43	26.13	16.70	46.00	29.30	100	269	Horizontal
4	581.5115	-6.62	25.62	19.00	46.00	27.00	100	1	Horizontal
5	778.6186	-3.26	24.54	21.28	46.00	24.72	100	163	Horizontal
6	950.4805	-1.24	24.23	22.99	46.00	23.01	100	47	Horizontal

Radiation Emission Test Data			
EUT:	Vitamin Vape (non nicotine)	Model Name :	Marvelous Mint
Temperature:	24 °C	Relative Humidity:	54%
Pressure:	1009hPa	Polarization :	Vertical
Test Voltage :	DC 3.7V From Battery	Test Mode:	Working

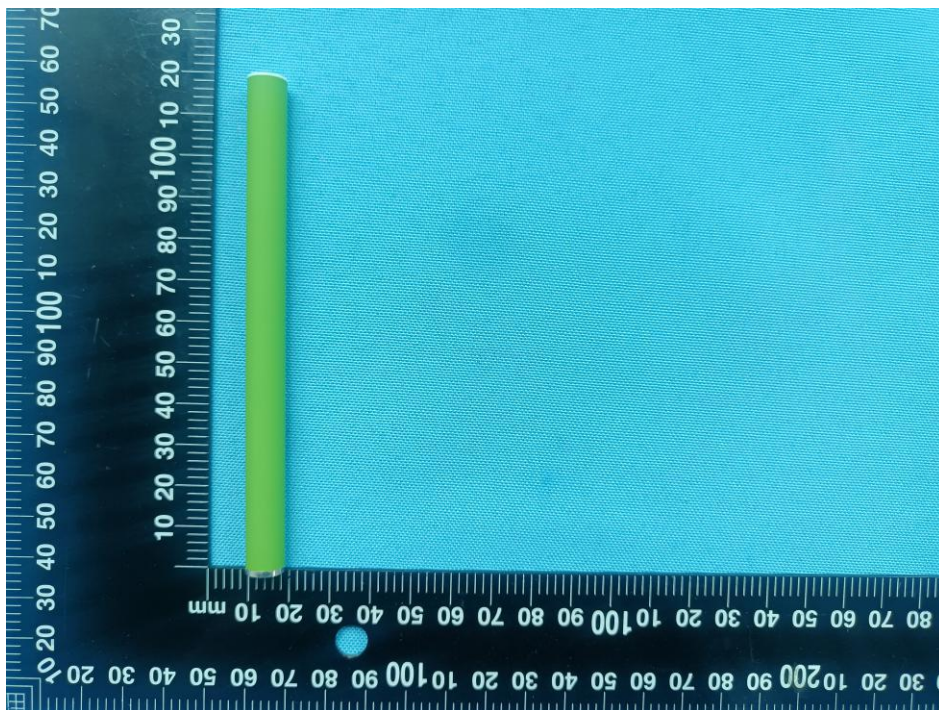


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	45.5355	-13.65	29.00	15.35	40.00	24.65	100	356	Vertical
2	55.2452	-14.44	26.46	12.02	40.00	27.98	100	71	Vertical
3	66.8969	-16.89	30.41	13.52	40.00	26.48	100	290	Vertical
4	199.9199	-15.07	33.00	17.93	43.50	25.57	100	177	Vertical
5	683.4635	-5.00	25.92	20.92	46.00	25.08	100	171	Vertical
6	806.7768	-3.01	25.35	22.34	46.00	23.66	100	207	Vertical

## 5. EUT PHOTOGRAPHS

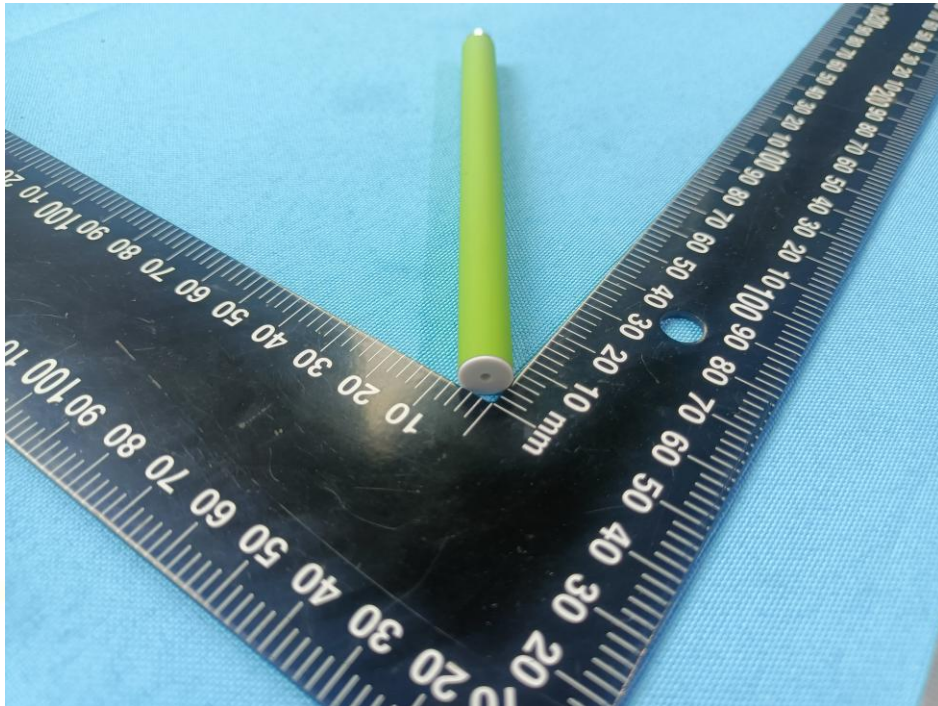


EUT Photo 1

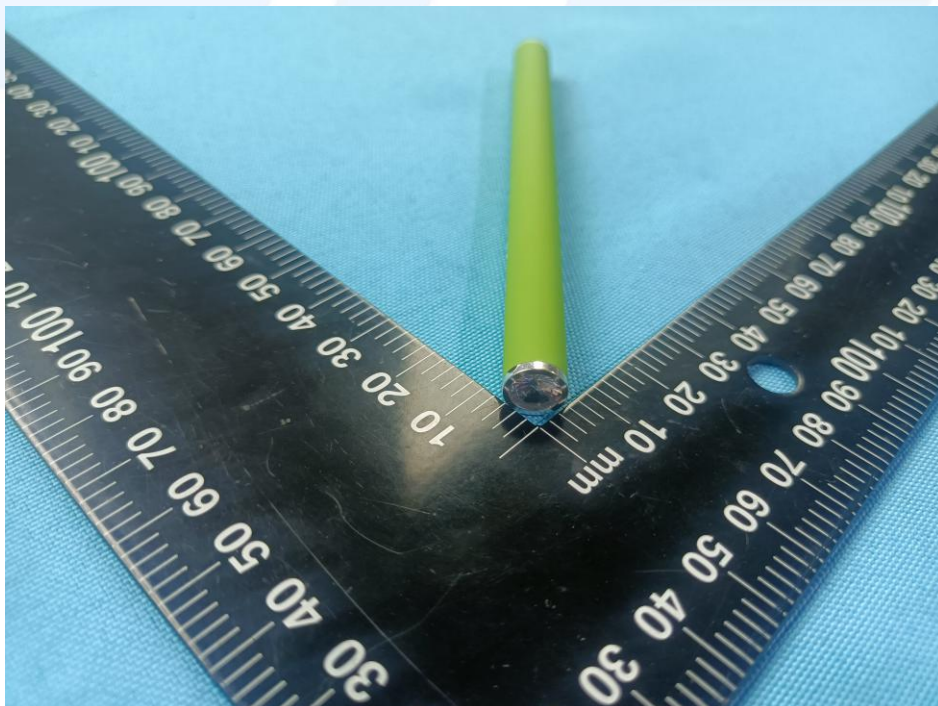


EUT Photo 2

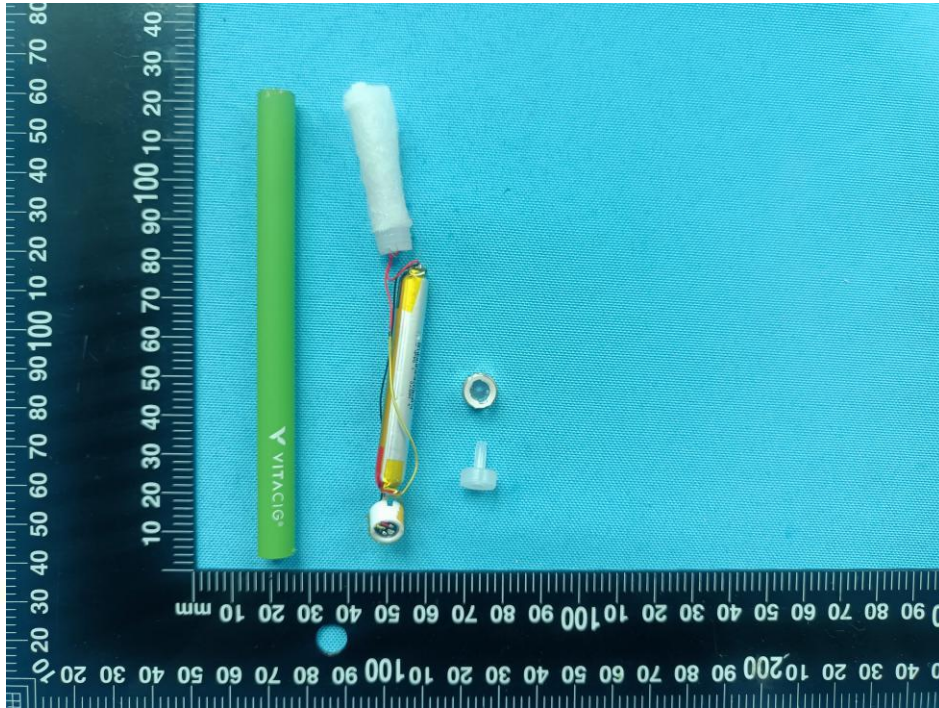




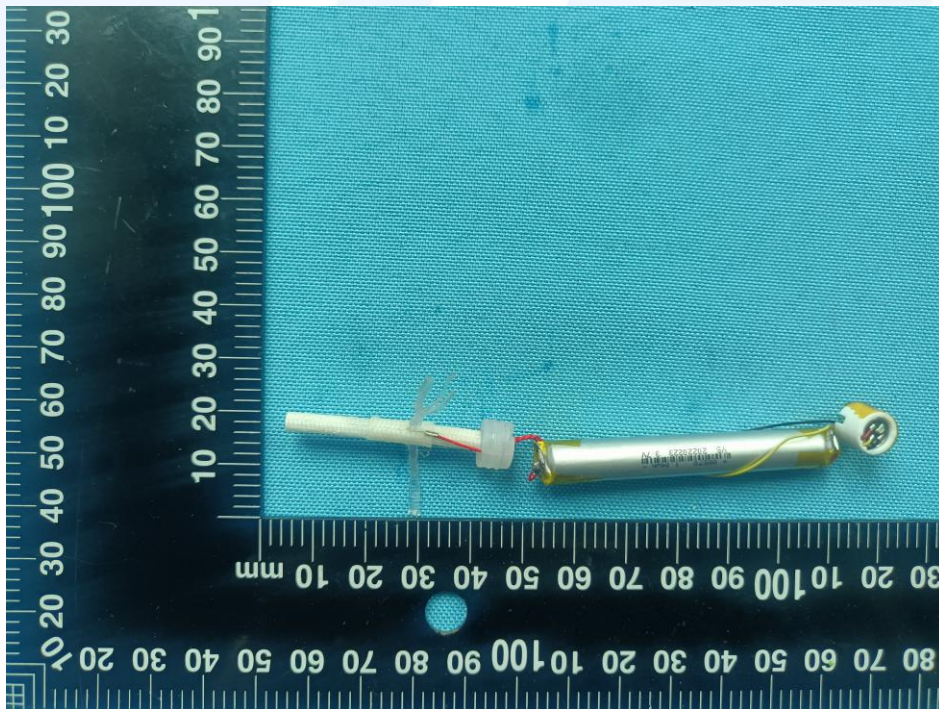
EUT Photo 3



EUT Photo 4

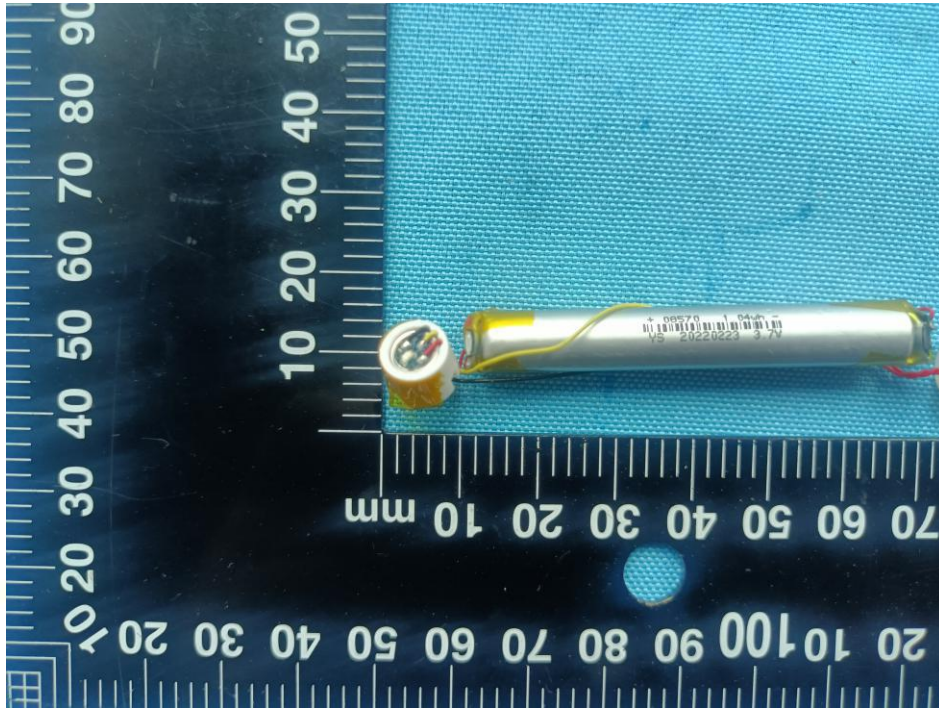


EUT Photo 5



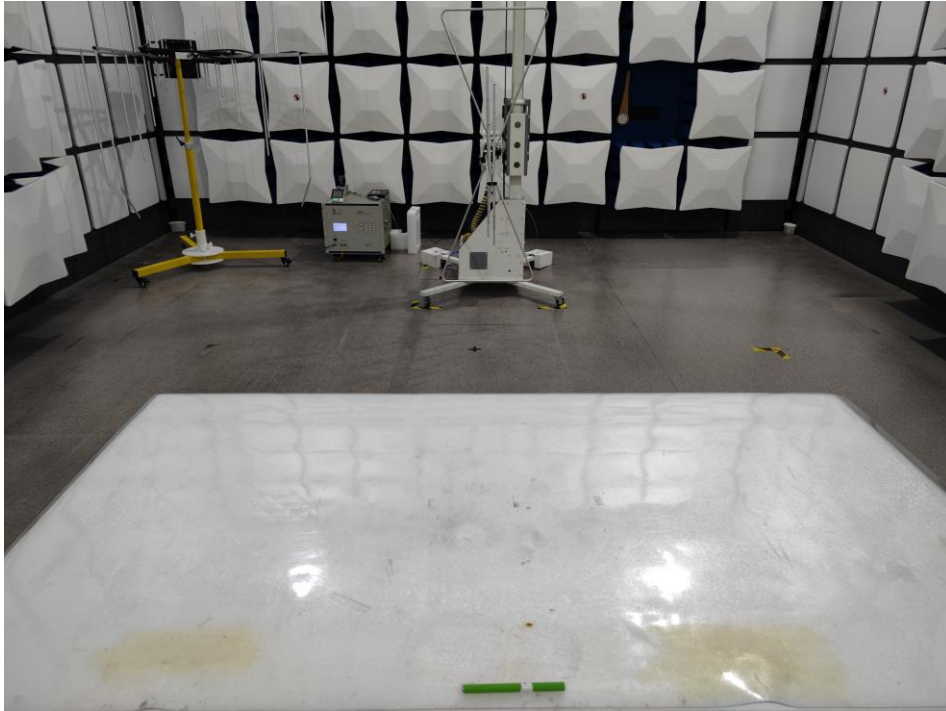
EUT Photo 6





EUT Photo 7

## 6. EUT TEST PHOTOGRAPHS



**EUT Photo RE**

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