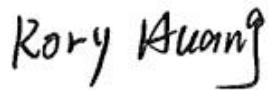


# TEST REPORT

|                      |   |
|----------------------|---|
| Report No.           | CISRR250402035  |
| Project No.          | CISR250402035   |
| FCC ID               | 2AYPZ-SUNSAWRF1   |
| Applicant            | Sunsa, Inc  |
| Address              | 11850 West Market Place Suite K, Fulton, Maryland, 20759, United States |
| Manufacturer         | Ningbo Sunfree Motor Technology Co., Ltd.                               |
| Address              | RM202, No. 418, Qihang North Road, Yinzhou District, Ningbo, China.     |
| Product Name         | Blinds motor  |
| Trade Mark           | SUNSA   |
| Model/Type reference | AM20LE/A  |
| Listed Model(s)      | AM20LE/* *=A~Z  |
| Standard             | Part 15 Subpart C Section 15.231  |
| Test date            | April 2, 2025 ~ April 11, 2025  |
| Issue date           | April 12, 2025  |
| <b>Test result</b>   | <b>Complied</b>   |



Prepared by: Rory Huang



Approved by: Genry Long

*The test results relate only to the tested samples.*

*The test report should not be reproduced except in full without the written approval of Shenzhen Bangce Testing Technology Co., Ltd.*

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## 1. **REPORT VERSION**

| Version No. | Issue date     | Description |
|-------------|----------------|-------------|
| 00          | April 12, 2025 | Original    |
|             |                |             |
|             |                |             |

## 2. **SUMMARY OF TEST RESULT**

| Report clause | Test Item                     | Standard Requirement     | Result |
|---------------|-------------------------------|--------------------------|--------|
| 5.1           | Antenna Requirement           | 15.203                   | PASS   |
| 5.2           | AC Conducted Emission         | 15.207                   | PASS   |
| 5.3           | 20 dB Bandwidth               | 15.231(c)                | PASS   |
| 5.4           | Radiated Spurious Emission    | 15.231 (a)/15.205/15.209 | PASS   |
| 5.5           | Transmitter Deactivation Time | 15.231                   | PASS   |
| 5.6           | Duty cycle Factor             | 15.231                   | PASS   |

Note:

- The measurement uncertainty is not included in the test result.

### 3. SUMMARY

#### 3.1. Product Description

| Main unit information: |   |
|------------------------|---|
| Product Name:          | Blinds motor  |
| Trade Mark:            | SUNSA   |
| Model No.:             | AM20LE/A  |
| Listed Model(s):       | AM20LE/* * = A~Z  |
| Model difference:      | The difference between different models is that in this application, due to different sales channels and different model names. |
| Power supply:          | Input: 3V   |
| Hardware version:      | N/A   |
| Software version:      | N/A   |

#### 3.2. Radio Specification Description

|                      |             |
|----------------------|-------------|
| Technology:          | SRD         |
| Modulation:          | FSK         |
| Operation frequency: | 433.92MHz   |
| Occupied Bandwidth:  | 128.08kHz   |
| Keying:              | Manual      |
| Type of Information: | Control     |
| Channel Number:      | 1           |
| Antenna type:        | PCB Antenna |
| Antenna gain:        | 3dBi        |

NOTE:

--This device is automatic transmission under 15.231(a).

### 3.3. Modification of EUT

No modifications are made to the EUT during all test items.

### 3.4. Testing Site

|                         |  |
|-------------------------|--|
| Laboratory Name         | Shenzhen Bangce Testing Technology Co., Ltd.   |
| Laboratory Location     | 101, building 10, Yunli Intelligent Park, Shutianpu community, Matian Street, Guangming District, Shenzhen, Guangdong, China |
| FCC registration number | 736346   |

### 3.5. Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS (\text{dBuV/m}) = RA (\text{dBuV}) + AF (\text{dB/m}) + CL (\text{dB}) - AG (\text{dB})$$

|                           |  |
|---------------------------|--|
| Where FS = Field Strength | CL = Cable Attenuation Factor (Cable Loss) |
| RA = Reading Amplitude    | AG = Amplifier Gain                        |
| AF = Antenna Factor       |  |

### 3.6. DISTURBANCE Calculation

The AC mains conducted disturbance is calculated by adding the 10dB Pulse Limiter and Cable Factor and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$CD (\text{dBuV}) = RA (\text{dBuV}) + PL (\text{dB}) + CL (\text{dB})$$

|                                  |  |
|----------------------------------|--|
| Where CD = Conducted Disturbance | CL = Cable Attenuation Factor (Cable Loss) |
| RA = Reading Amplitude           | PL = 10 dB Pulse Limiter Factor            |

## 4. TEST CONFIGURATION

### 4.1. Test frequency list

| Channel | Frequency (MHz) |
|---------|-----------------|
| CH1     | 433.92          |

### 4.2. Test mode

| For RF test items:  |             |            |
|---|-------------|------------|
| The engineering prototype is provided with key switching channel to realize EUT continuous transmission. Power setting Default.     |             |            |
| Test Item   | Test Mode   | Modulation |
| Conducted test item   | TX-CH1      | FSK        |
|   | Normal link | --         |
|   | Charging    | --         |
| Radiated test item  | TX-CH1      | FSK        |
|   | Normal link | --         |
|   | Charging    | --         |
| Remark:   |             |            |
| – The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report. |             |            |

### 4.3. Support unit used in test configuration and system

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

| Item | Equipment name | Trade Name | Model No. |
|------|----------------|------------|-----------|
| 1    | --             | --         | --        |

### 4.4. Test sample information

| Type            | sample no.       |
|-----------------|------------------|
| Engineer sample | CISR250402035-1# |
| Normal sample   | CISR250402035-2# |

#### 4.5. Testing environmental condition

| Type               | Requirement  | Actual   |
|--------------------|--------------|----------|
| Temperature:       | 15~35°C      | 25°C     |
| Relative Humidity: | 25~75%       | 50%      |
| Air Pressure:      | 860~1060mbar | 1000mbar |

#### 4.6. Statement of the measurement uncertainty

| No. | Test Items                                | Measurement Uncertainty                        |
|-----|---|--|
| 1   | AC Conducted Emission                     | 1.63dB   |
| 2   | Power Spectral Density                    | 1.34dB   |
| 3   | 20dB Bandwidth                            | 0.002%   |
| 4   | Duty cycle                                | -  |
| 5   | Conducted Band Edge and Spurious Emission | 1.93dB   |
| 6   | Radiated Band Edge Emission               | 3.76dB for 30MHz-1GHz<br>3.80dB for above 1GHz |
| 7   | Radiated Spurious Emission                | 3.76dB for 30MHz-1GHz<br>3.80dB for above 1GHz |

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

#### 4.7. Equipment Used during the Test

| Equipment                              | Manufacture   | Model No.   | Serial No.      | Last cal.  | Cal Interval |
|--|---------------|-------------|-----------------|------------|--------------|
| 9*6*6 anechoic chamber                 | SKET          | 9.3*6.3*6   | N/A             | 2024.09.01 | 3Year        |
| Spectrum analyzer                      | Agilent       | N9020A      | MY50530263      | 2025.01.08 | 1Year        |
| Receiver                               | ROHDE&SCHWARZ | ESCI        | 100853          | 2025.01.08 | 1Year        |
| Spectrum analyzer                      | R&S           | FSV-40N     | /               | 2025.01.08 | 1Year        |
| Bilog Antenna                          | Schwarzbeck   | VULB 9163   | 1463            | 2025.01.08 | 2Year        |
| Horn Antenna                           | SCHWARZBECK   | BBHA 9120 D | 2487            | 2025.01.08 | 2Year        |
| Active Loop Antenna                    | SCHWARZBECK   | FMZB 1519B  | /               | 2025.01.08 | 2Year        |
| RF Cable                               | Tonscend      | Cable 1     | /               | 2025.01.08 | 1Year        |
| RF Cable                               | Tonscend      | Cable 2     | /               | 2025.01.08 | 1Year        |
| RF Cable                               | SKET          | Cable 3     | /               | 2025.01.08 | 1Year        |
| Pre-amplifier                          | Tonscend      | TAP9K3G32   | AP21G806153     | 2025.01.08 | 1Year        |
| Pre-amplifier                          | Tonscend      | TAP01018050 | AP22E806229     | 2025.01.08 | 1Year        |
| L.I.S.N.#1                             | Schwarzbeck   | NSLK8127    | /               | 2025.01.08 | 1Year        |
| L.I.S.N.#2                             | ROHDE&SCHWARZ | ENV216      | /               | 2025.01.08 | 1Year        |
| Horn Antenna                           | SCHWARZBECK   | BBHA9170    | 1130            | 2025.01.08 | 2 Year       |
| Preamplifier                           | Tonscend      | TAP18040048 | AP21C806126     | 2025.01.08 | 1Year        |
| variable-frequency power source        | Pinhong       | PH1110      | /               | 2025.01.08 | 1Year        |
| 6dB Attenuator                         | SKET          | DC-6G       | /               | N/A        | N/A          |
| Artificial power network               | Schwarzbeck   | NSLK8127    | 8127-01096      | 2025.01.08 | 1Year        |
| EMI Test Receiver                      | Rohde&schwarz | ESCI7       | 100853          | 2025.01.08 | 1Year        |
| 8-wire Impedance Stabilization Network | Schwarzbeck   | NTFM 8158   | 8158-00337      | 2025.01.08 | 1Year        |
| Artificial power network               | Schwarzbeck   | ENV216      | /               | 2025.01.08 | 1Year        |
| Antenna tower                          | SKET          | Bk-4AT-BS   | AT2021040101-V1 | N/A        | N/A          |

## 5. TEST CONDITIONS AND RESULTS

### 5.1. Antenna Requirement

#### Standard Applicable

#### **FCC CFR Title 47 Part 15 Subpart C 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

#### **FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1) (I):**

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

#### Description

The EUT antenna is PCB Antenna (3dBi), the directional gain of the antenna less than 6dBi. It comply with the standard requirement. In case of replacement of broken antenna the same antenna type must be used. Antenna structure please refer to the EUT internal photographs antenna photo.

Remark: The antenna gain is provided by the customer, if the data provided by the customer is not accurate, Shenzhen Bangce Testing Technology Co., Ltd. does not assume any responsibility.

## 5.2. AC Conducted Emission

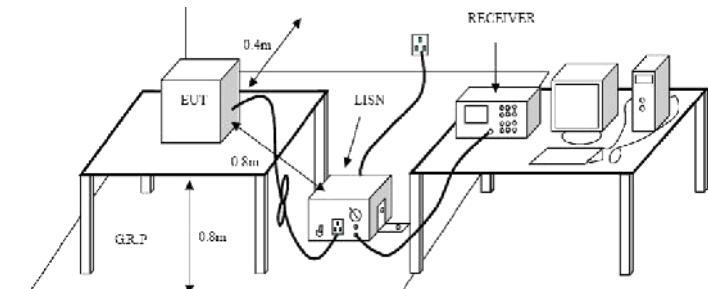
### Limit:

FCC CFR Title 47 Part 15 Subpart C Section 15.207

| Frequency range (MHz) | Limit (dBuV) |           |
|-----------------------|--------------|-----------|
|                       | Quasi-peak   | Average   |
| 0.15-0.5              | 66 to 56*    | 56 to 46* |
| 0.5-5                 | 56           | 46        |
| 5-30                  | 60           | 50        |

\* Decreases with the logarithm of the frequency.

### Test configuration:



### Test procedure:

1. The EUT was setup according to ANSI C63.10 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
3. The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment.
4. The peripheral devices are also connected to the main power through a LISN. (Refer to the block diagram of the test setup and photographs)
5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
8. During the above scans, the emissions were maximized by cable manipulation.

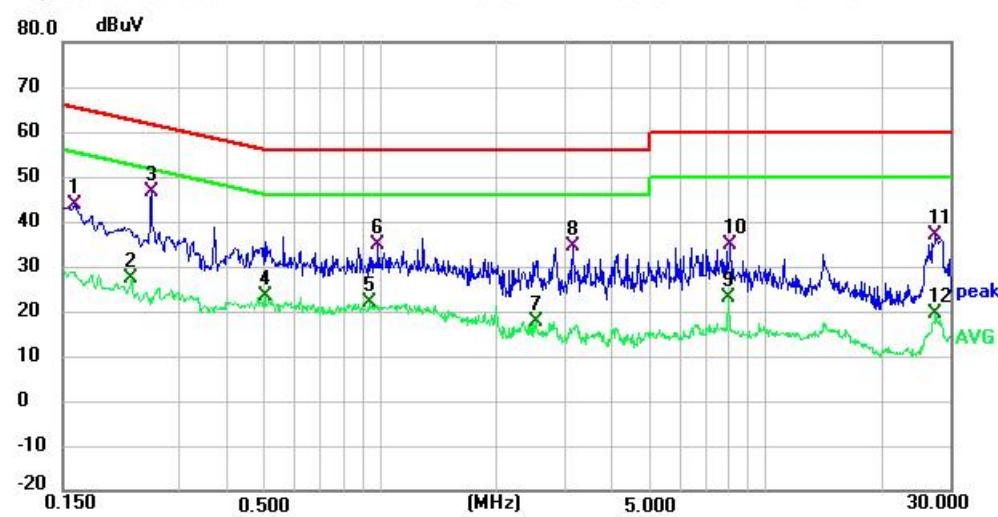
Test mode:

Refer to the clause 4.2

## Result:

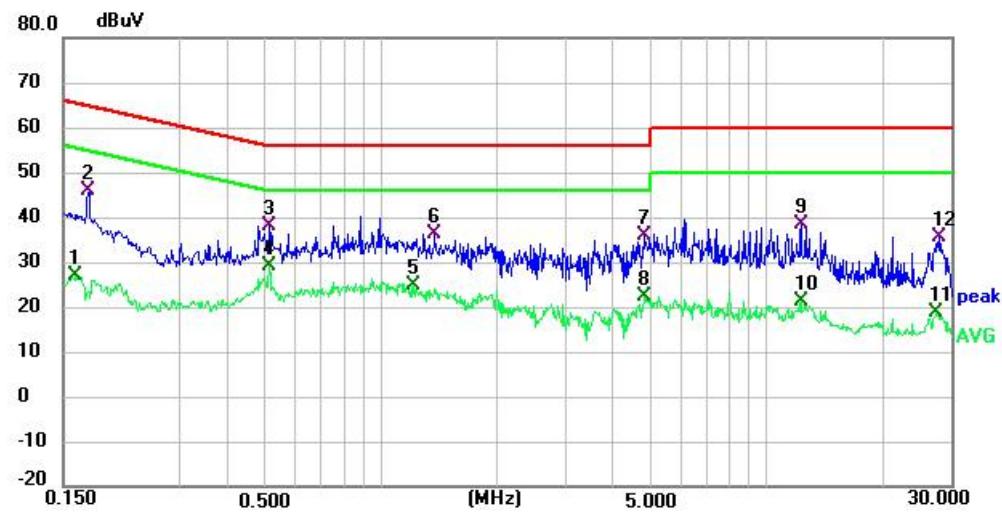
Pass

Line: Line



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|
| 1   | 0.162           | 33.34          | 10.32       | 43.66        | 65.36        | -21.70      | QP       |
| 2   | 0.226           | 16.83          | 10.33       | 27.16        | 52.60        | -25.44      | AVG      |
| 3 * | 0.254           | 36.18          | 10.33       | 46.51        | 61.63        | -15.12      | QP       |
| 4   | 0.502           | 13.15          | 10.37       | 23.52        | 46.00        | -22.48      | AVG      |
| 5   | 0.938           | 11.64          | 10.42       | 22.06        | 46.00        | -23.94      | AVG      |
| 6   | 0.986           | 24.30          | 10.43       | 34.73        | 56.00        | -21.27      | QP       |
| 7   | 2.538           | 6.92           | 10.85       | 17.77        | 46.00        | -28.23      | AVG      |
| 8   | 3.166           | 23.34          | 11.04       | 34.38        | 56.00        | -21.62      | QP       |
| 9   | 8.002           | 9.98           | 13.04       | 23.02        | 50.00        | -26.98      | AVG      |
| 10  | 8.086           | 21.69          | 13.06       | 34.75        | 60.00        | -25.25      | QP       |
| 11  | 27.550          | 21.95          | 14.92       | 36.87        | 60.00        | -23.13      | QP       |
| 12  | 27.550          | 4.45           | 14.92       | 19.37        | 50.00        | -30.63      | AVG      |

## Line: Neutral



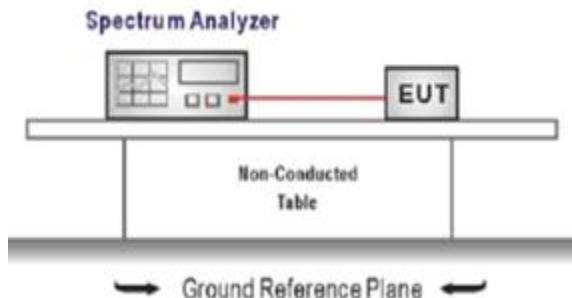
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|
| 1   | 0.162           | 16.62          | 10.33       | 26.95        | 55.36        | -28.41      | AVG      |
| 2   | 0.174           | 35.41          | 10.32       | 45.73        | 64.77        | -19.04      | QP       |
| 3   | 0.514           | 27.52          | 10.38       | 37.90        | 56.00        | -18.10      | QP       |
| 4 * | 0.514           | 18.65          | 10.38       | 29.03        | 46.00        | -16.97      | AVG      |
| 5   | 1.210           | 14.42          | 10.48       | 24.90        | 46.00        | -21.10      | AVG      |
| 6   | 1.378           | 25.58          | 10.54       | 36.12        | 56.00        | -19.88      | QP       |
| 7   | 4.798           | 24.15          | 11.71       | 35.86        | 56.00        | -20.14      | QP       |
| 8   | 4.798           | 10.72          | 11.71       | 22.43        | 46.00        | -23.57      | AVG      |
| 9   | 12.306          | 23.90          | 14.58       | 38.48        | 60.00        | -21.52      | QP       |
| 10  | 12.306          | 6.56           | 14.58       | 21.14        | 50.00        | -28.86      | AVG      |
| 11  | 27.482          | 3.68           | 15.07       | 18.75        | 50.00        | -31.25      | AVG      |
| 12  | 27.974          | 20.49          | 15.02       | 35.51        | 60.00        | -24.49      | QP       |

### 5.3. 20 dB Bandwidth

### Limit:

The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. Bandwidth is determined at the points 20 dB down from the modulated carrier.

### Test configuration:



### Test procedure:

1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously
3. Use the following spectrum analyzer settings:  
Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a Test channel  
RBW  $\geq$  1% of the 20 dB bandwidth, VBW  $\geq$  RBW  
Sweep = auto, Detector function = peak, Trace = max hold
4. Measure and record the results in the test report.

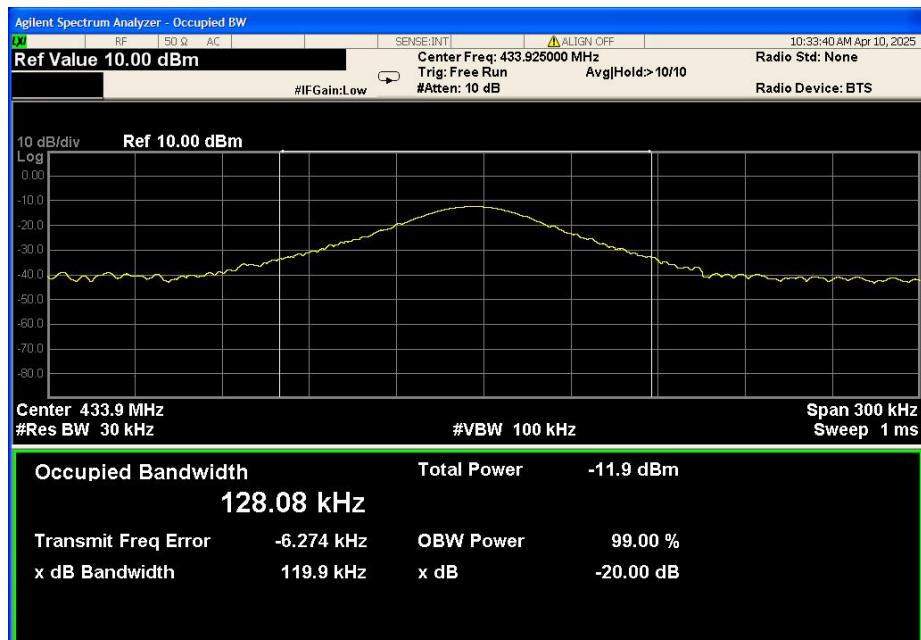
### Test mode:

Refer to the clause 4.2

### Result:

Passed

| Center Frequency of operation(MHz) | Measured 20dB Bandwidth(kHz) | Limit(kHz) | Result |
|------------------------------------|------------------------------|------------|--------|
| 433.92                             | 119.9                        | 1084.75    | PASS   |



## 5.4. • Radiated Spurious Emission

Limit:

### FCC CFR Title 47 Part 15 Subpart C Section 15.209

| Frequency            | Limit (dBuV/m)    | Value      |
|----------------------|-------------------|------------|
| 0.009 MHz ~0.49 MHz  | 2400/F(kHz) @300m | Quasi-peak |
| 0.49 MHz ~ 1.705 MHz | 24000/F(kHz) @30m | Quasi-peak |
| 1.705 MHz ~30 MHz    | 30 @30m           | Quasi-peak |

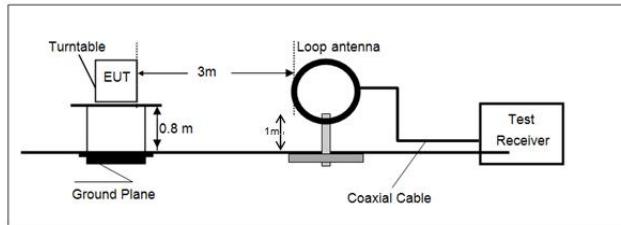
Limit dBuV/m @3m = Limit dBuV/m @300m + 40\*log(300/3)

Limit dBuV/m @3m = Limit dBuV/m @30m +40\*log(30/3)

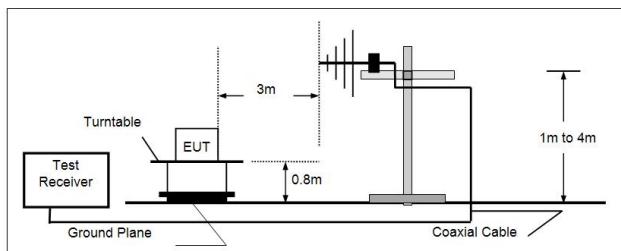
| Frequency                                 | Limit (dBuV/m @3m) | Value      |
|---|--------------------|------------|
| 30MHz~88MHz                               | 40.00              | Quasi-peak |
| 88MHz~216MHz                              | 43.50              | Quasi-peak |
| 216MHz~960MHz                             | 46.00              | Quasi-peak |
| 960MHz~1GHz                               | 54.00              | Quasi-peak |
| Above 1GHz(Field strength of fundamental) | 80.83              | Average    |
|   | 100.83             | Peak       |
| Above 1GHz(Field strength of harmonics)   | 60.83              | Average    |
|   | 80.83              | Peak       |

Test configuration:

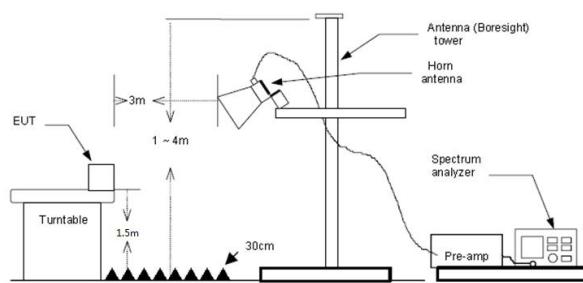
9kHz~30MHz



30 MHz ~ 1 GHz



Above 1 GHz



Test procedure:

1. The EUT was setup and tested according to ANSI C63.10.
2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings
  - a) Span shall wide enough to fully capture the emission being measured;
  - b) Below 1 GHz:  
RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;  
If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
  - c) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=peak, Trace=max hold for Peak measurement
  - d) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=peak, Trace=max hold for Peak measurement

Test mode:

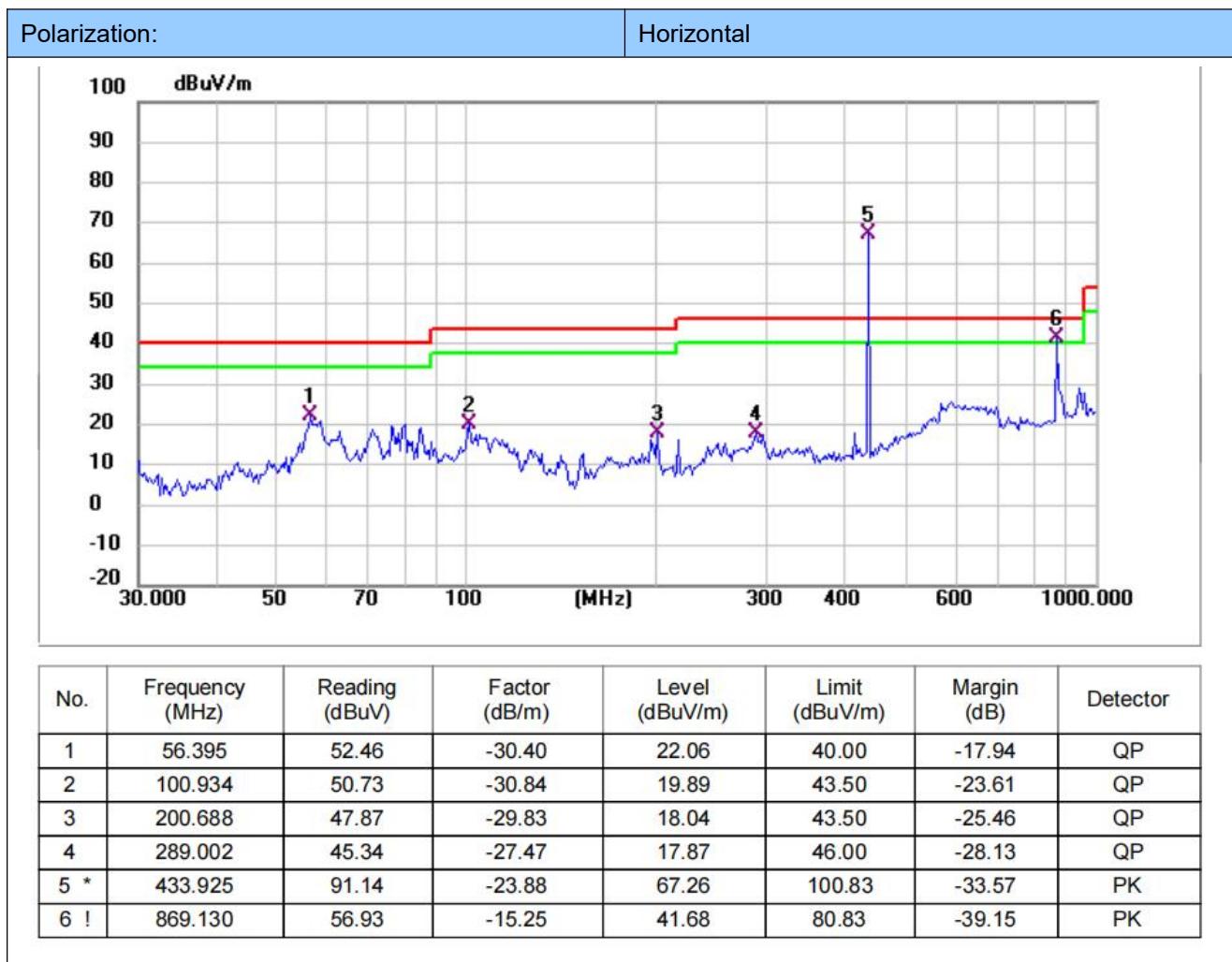
Refer to the clause 4.2

Result:
**Passed**
**Note:**

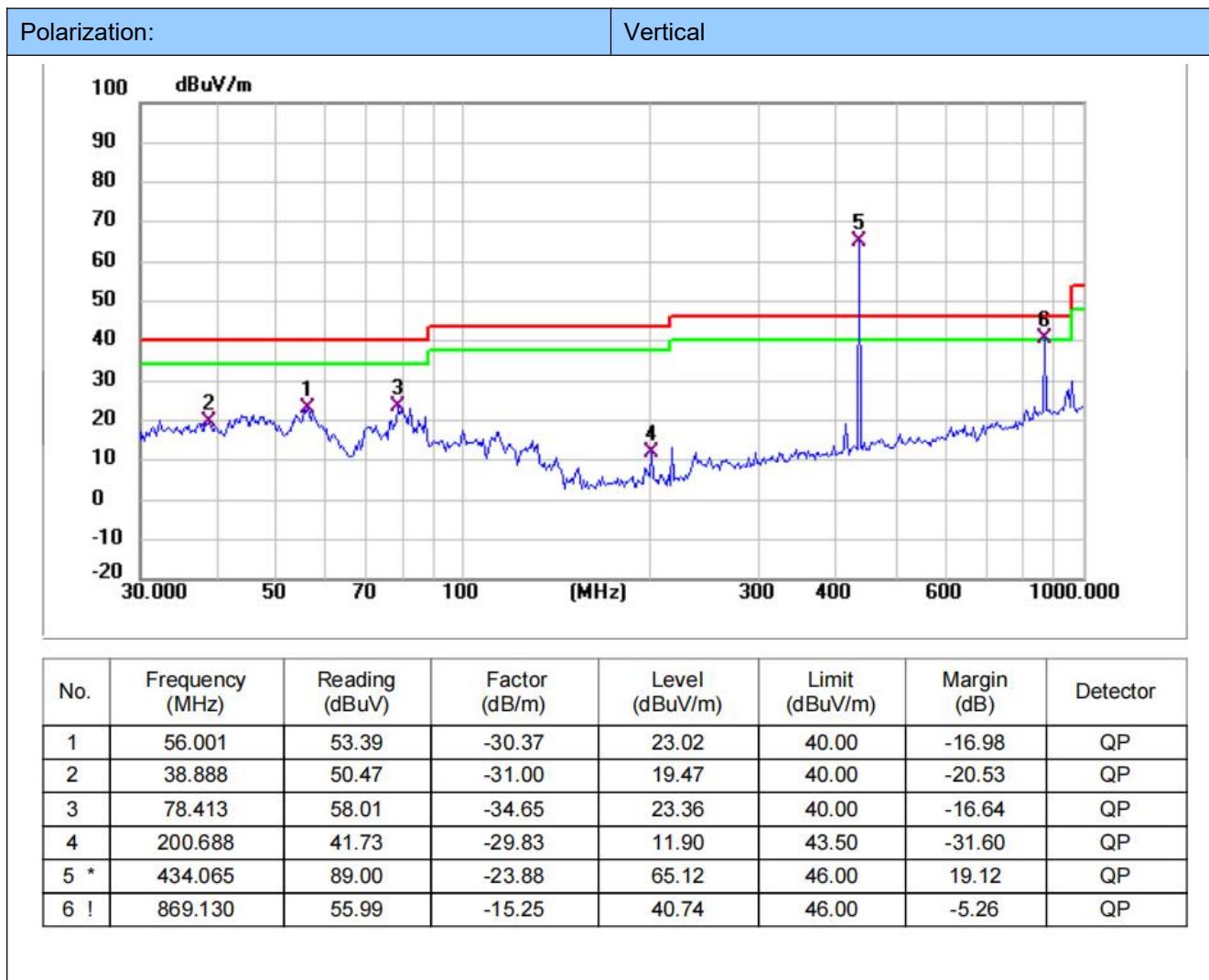
- 1) Level= Reading + Factor/Transd; Factor/Transd =Antenna Factor+ Cable Loss- Preamp Factor
- 2) Margin = Limit – Level
- 3) Average measurement was not performed if peak level is lower than average limit(54 dBuV/m) for above 1GHz.
- 4) The other emission levels were very low against the limit.
- 5) This test was performed with EUT in X, Y, Z position and the worse case was found when EUT in X position.

**For 9 kHz ~ 30 MHz**

The EUT was pre-scanned this frequency band, found the radiated level 20dB lower than the limit, so don't show data on this report.

For 30 MHz ~ 1000 MHz

Fundamental and Harmonics Result

| Frequency (MHz) | Peak Level (dB $\mu$ V/m) | AV Factor(dB $\mu$ V/m) (see Section 5.4) | Average Level (dB $\mu$ V/m) | Limit(dB $\mu$ V/m) (average) | Limit(dB $\mu$ V/m) (Peak) | Conclusion |
|-----------------|---------------------------|---|------------------------------|-------------------------------|----------------------------|------------|
| 433.925         | 91.14                     | -10.01                                    | 81.13                        | 100.82                        | 80.82                      | PASS       |
| 869.130         | 56.93                     | -10.01                                    | 46.92                        | 80.82                         | 60.82                      | PASS       |



| Fundamental and Harmonics Result |                           |   |                              |                               |                            |            |
|----------------------------------|---------------------------|---|------------------------------|-------------------------------|----------------------------|------------|
| Frequency (MHz)                  | Peak Level (dB $\mu$ V/m) | AV Factor(dB $\mu$ V/m) (see Section 5.4) | Average Level (dB $\mu$ V/m) | Limit(dB $\mu$ V/m) (average) | Limit(dB $\mu$ V/m) (Peak) | Conclusion |
| 433.925                          | 89.00                     | -10.01                                    | 78.99                        | 100.82                        | 80.82                      | PASS       |
| 869.130                          | 53.49                     | -10.01                                    | 43.48                        | 80.82                         | 60.82                      | PASS       |

For 1 GHz ~ 4 GHz

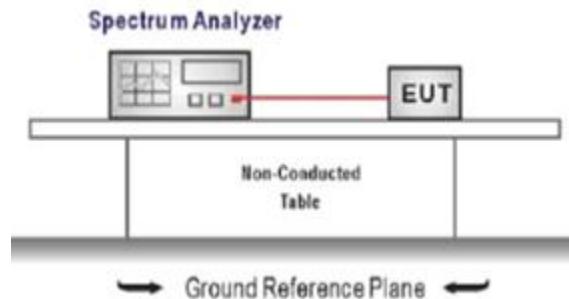
| Test channel: 433.92MHz |                   |                          |                         |                           |                                |                   |                |         |            |
|-------------------------|-------------------|--------------------------|-------------------------|---------------------------|--------------------------------|-------------------|----------------|---------|------------|
| Freq.<br>(MHz)          | Reading<br>(dBuv) | Ant.<br>Factor<br>(dB/m) | Cable<br>Factor<br>(dB) | Pre-<br>amplifier<br>(dB) | Correction<br>Factor<br>(dB/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark  | Polarity   |
| 1204.00                 | 62.49             | 31.97                    | 4.11                    | 38.47                     | -2.39                          | 74                | 13.90          | Peak    | Horizontal |
| 1204.00                 | 50.33             | 31.97                    | 4.11                    | 38.47                     | -2.39                          | 54                | 6.06           | Average | Horizontal |
| 1204.00                 | 66.36             | 31.97                    | 4.11                    | 38.47                     | -2.39                          | 74                | 10.03          | Peak    | Vertical   |
| 1204.00                 | 50.35             | 31.97                    | 4.11                    | 38.47                     | -2.39                          | 54                | 6.04           | Average | Vertical   |

## 5.5. Transmitter Deactivation Time

### Limit:

A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

### Test configuration:



### Test procedure:

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

### Test mode:

Refer to the clause 4.2

## Result:

Passed

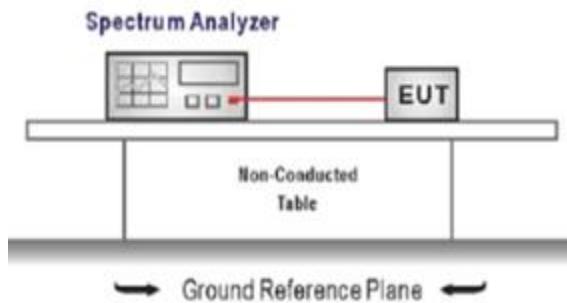
## Test Results

## 5.6. Duty cycle Factor

Limit:

No dedicated limit specified in the Rules.

Test configuration:



Test procedure:

1. Place the EUT on the table and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set centre frequency of spectrum analyzer=operating frequency.
4. Set the spectrum analyzer as RBW=100kHz, VBW=300kHz, Span=0Hz, Adjust Sweep=Auto.
5. Repeat above procedures until all frequency measured was complete.

Test mode:

Refer to the clause 4.2

Result:

**Passed**

### Test Data

$$Ton = 0.5866*11+0.1397*14=8.41(\text{ms})$$

$$Tp = 26.64(\text{ms})$$

$$\text{The duty cycle} = 8.41/26.64 = 31.57\%$$

$$\text{Average Correction Factory} = 20\log(Ton/Tp) = 20\log(0.3157) = -10.01\text{dB}$$

Test plot of Duty cycle



Fig.1

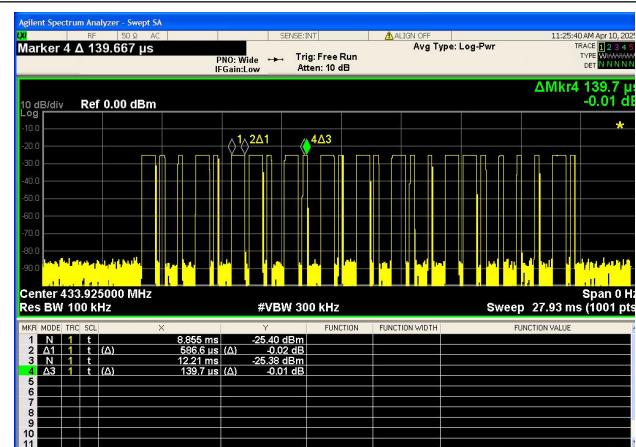


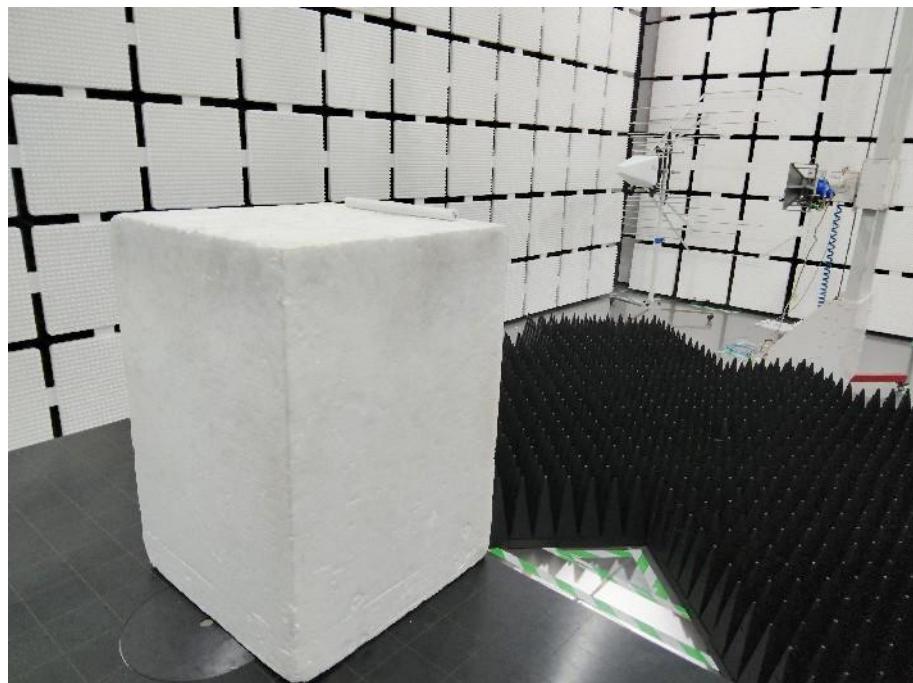
Fig.2

## **6. TEST SETUP PHOTOS**

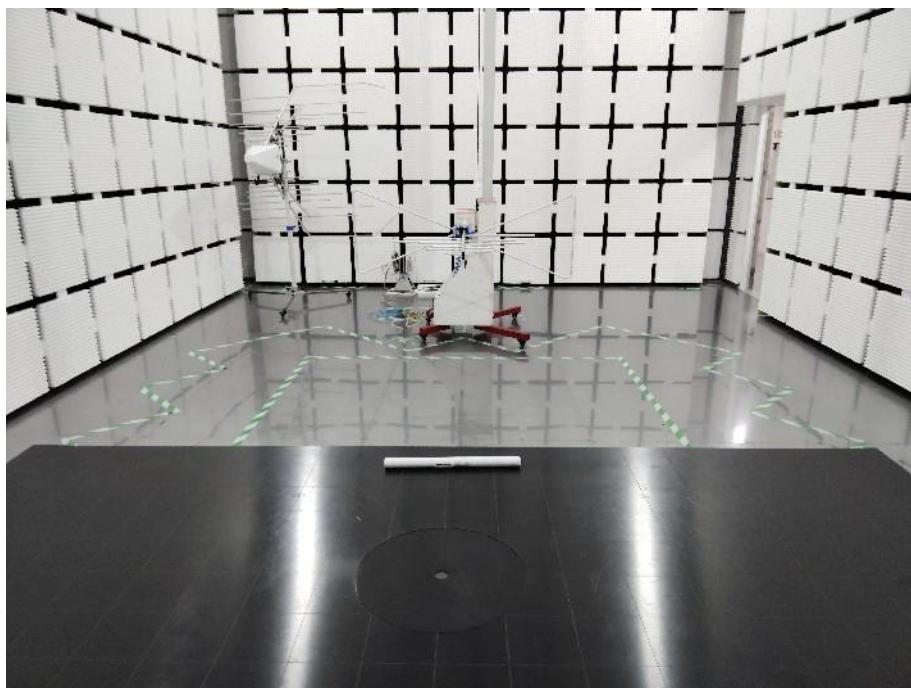
Conducted Emission at AC power line



Radiated Spurious Emission (above 1GHz)

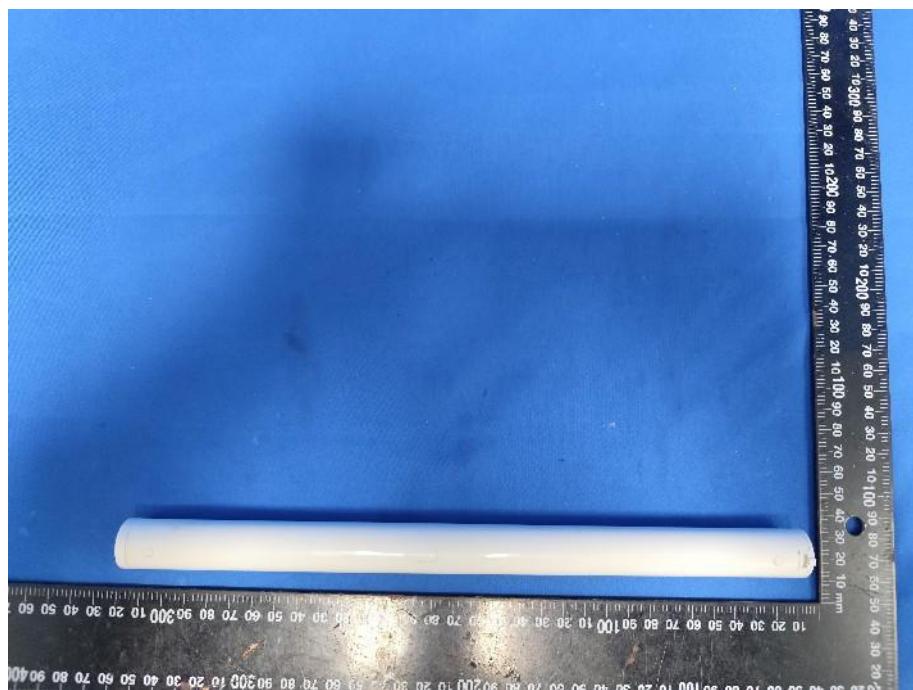
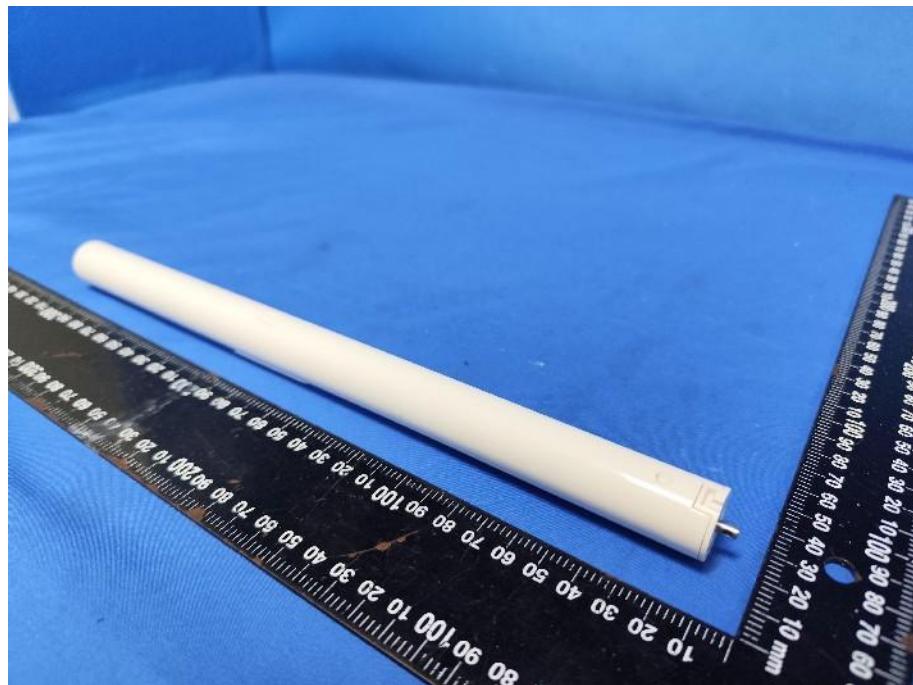


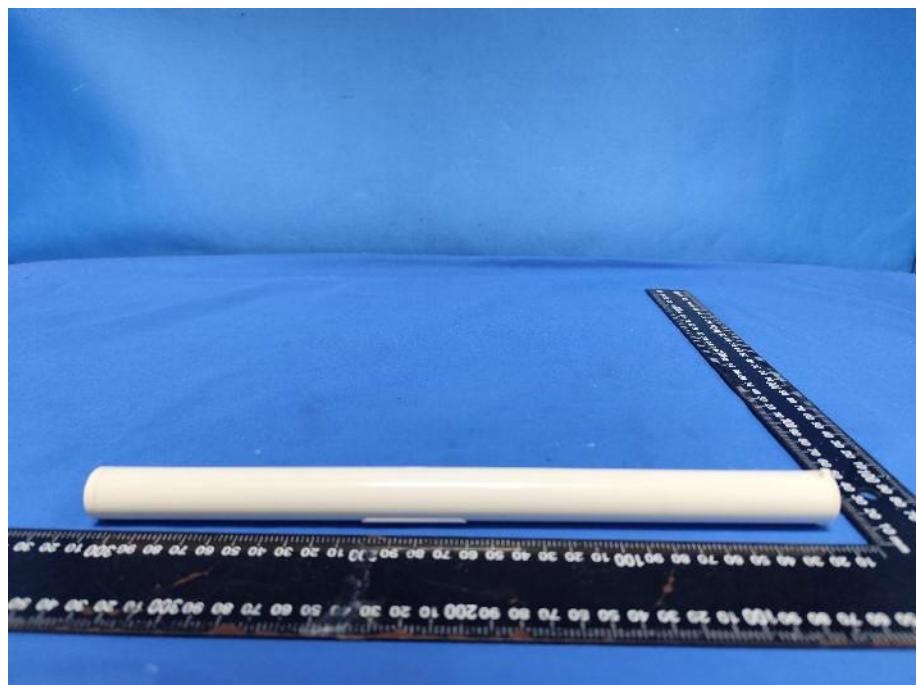
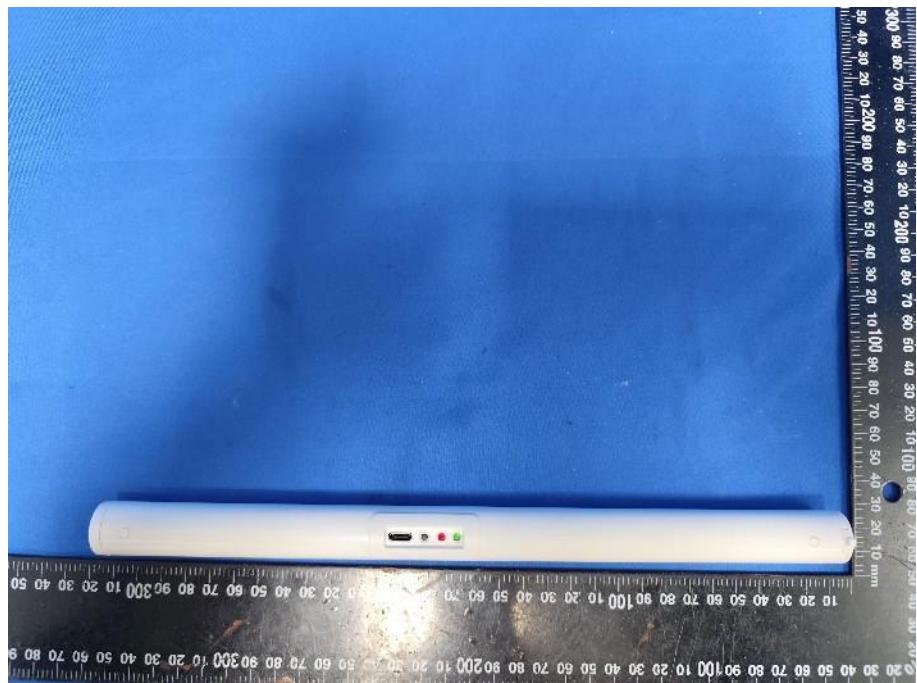
Radiated Spurious Emission (below 1GHz)

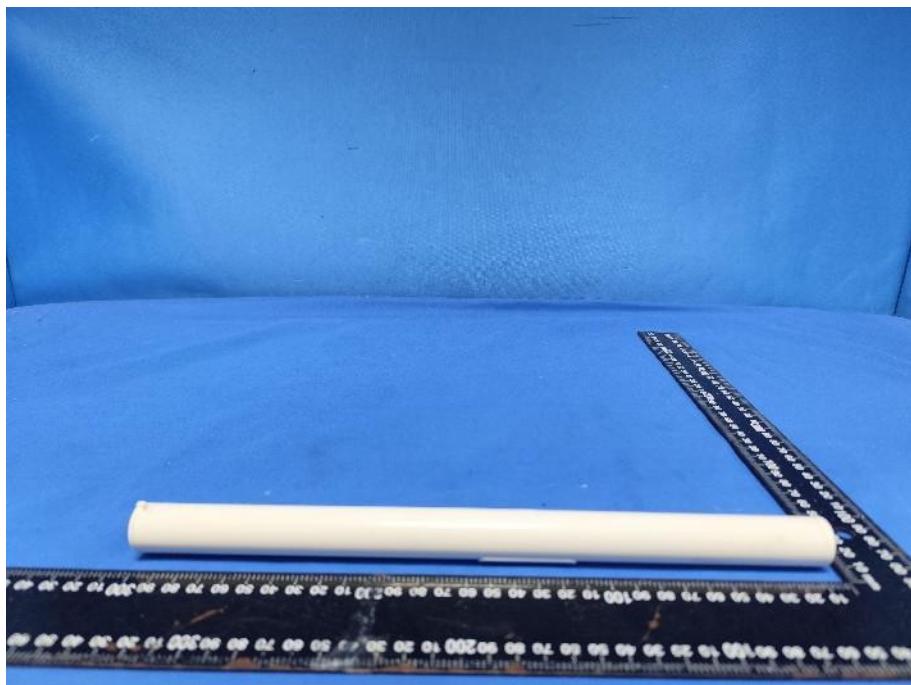


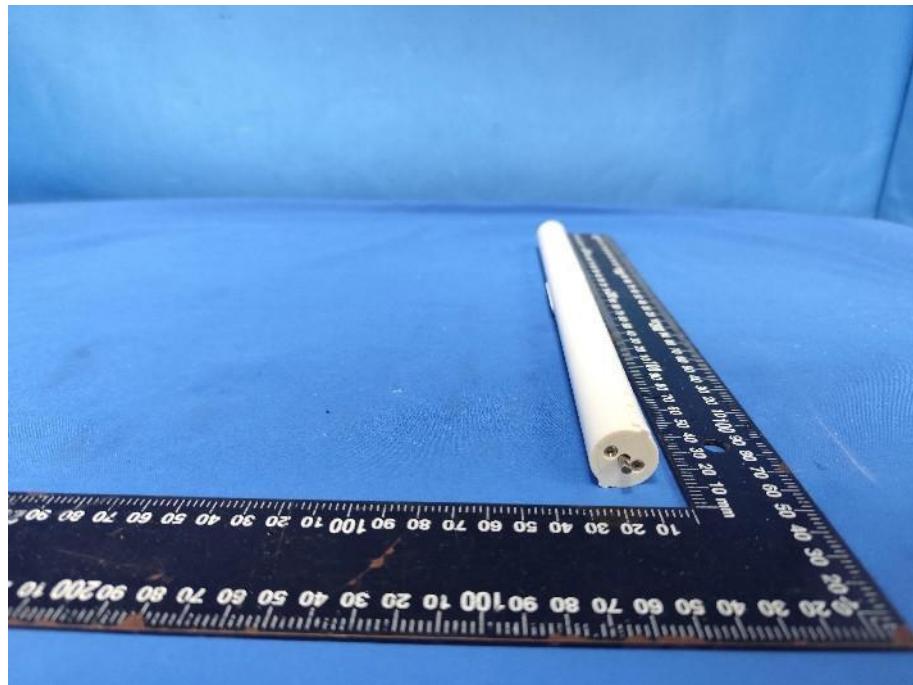
## 7. EXTERNAL AND INTERNAL PHOTOS

### 7.1 External photos

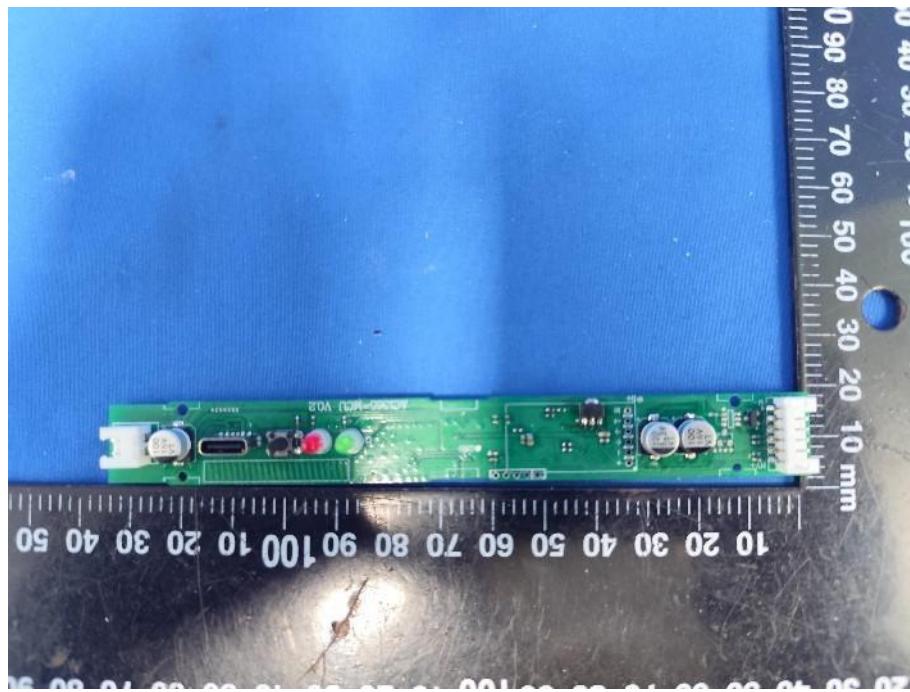
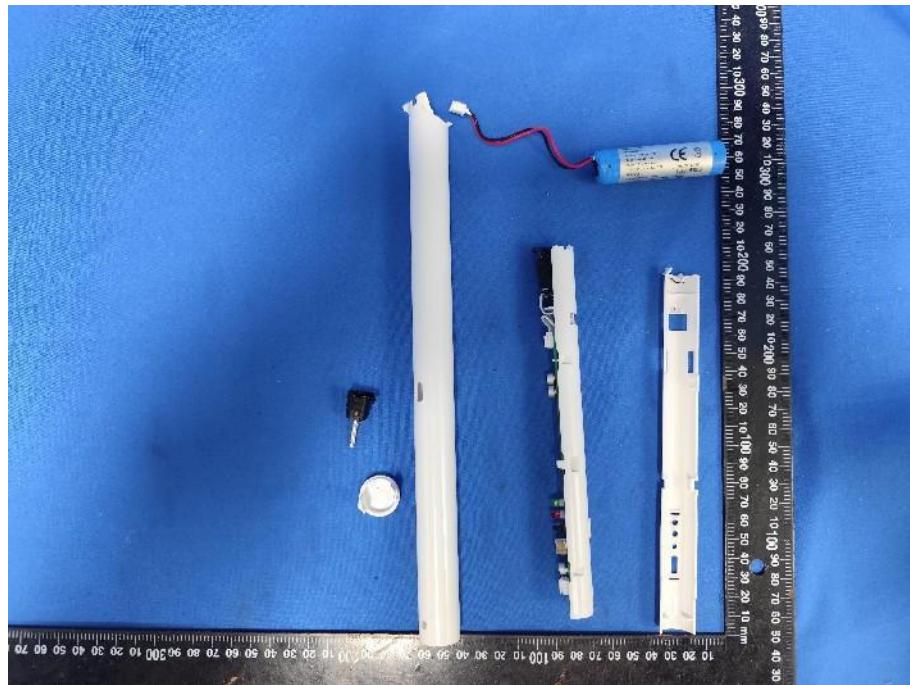


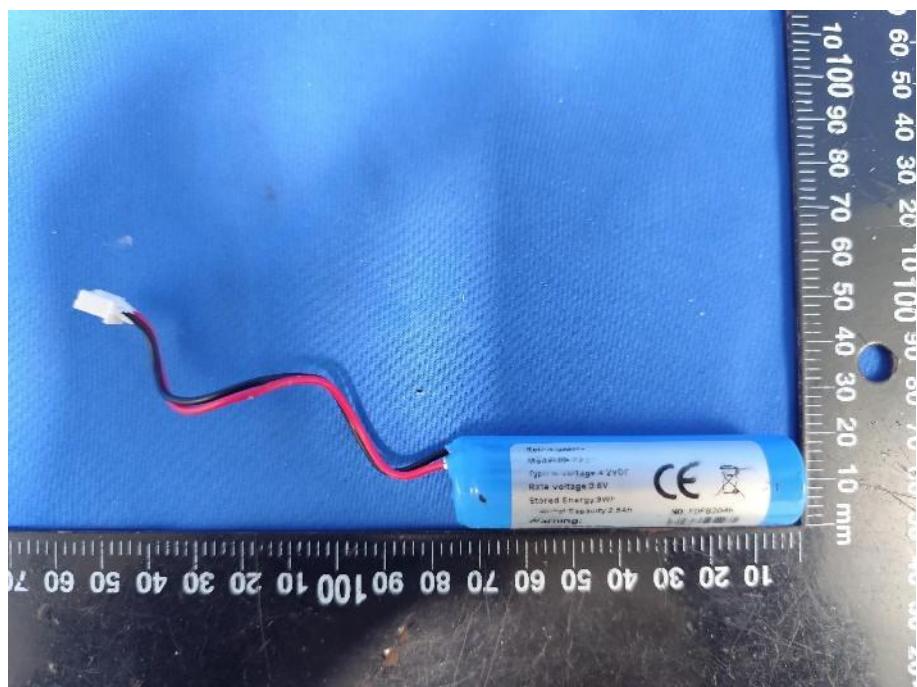
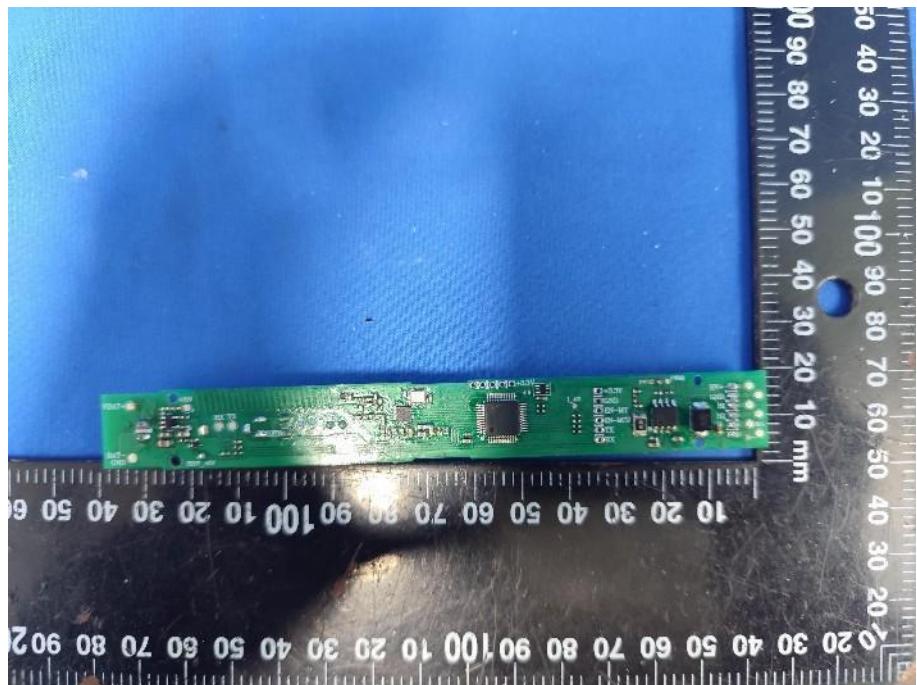


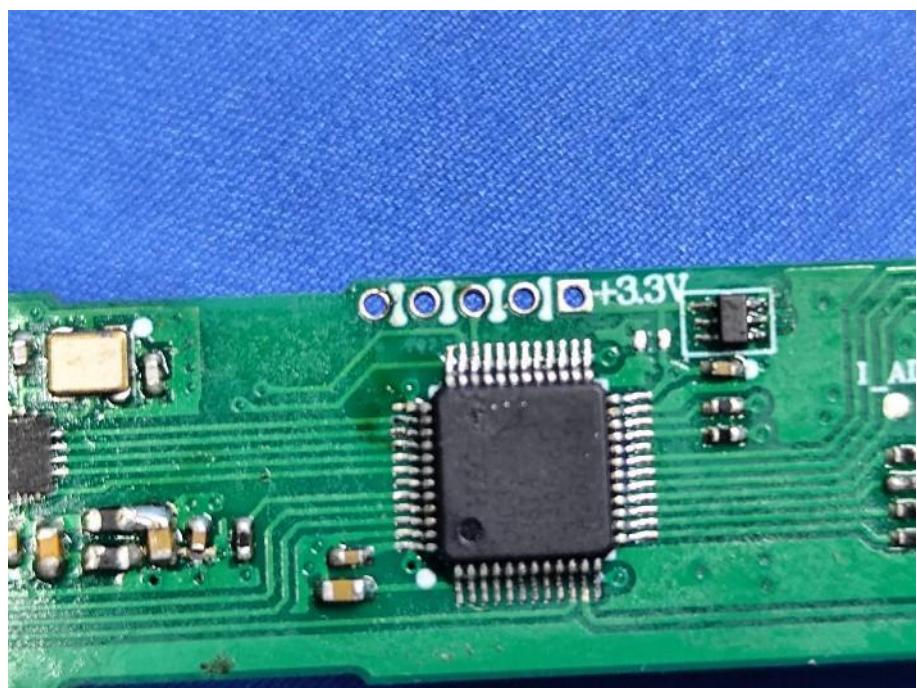
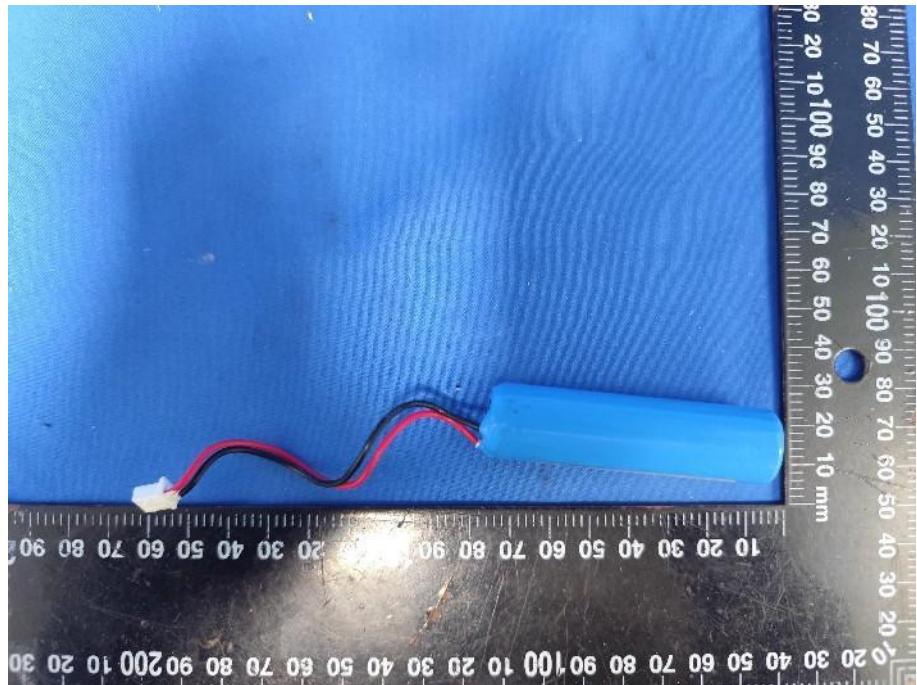


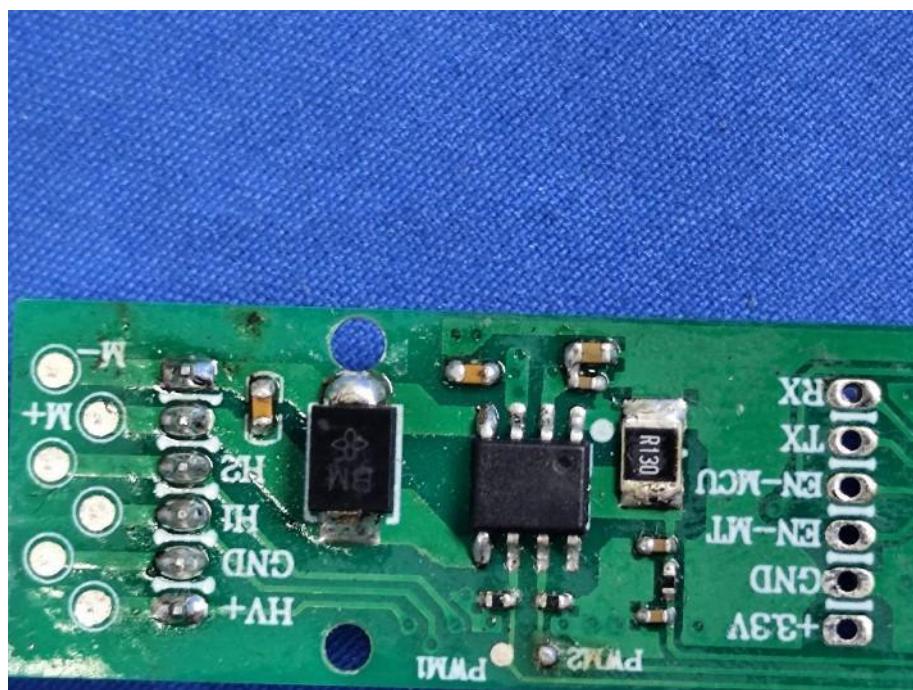
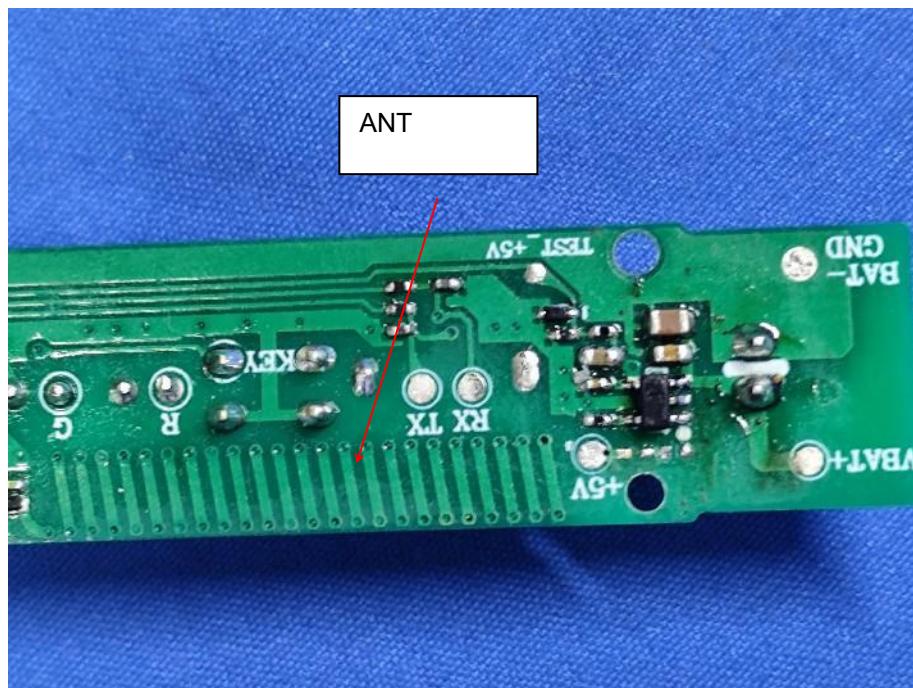


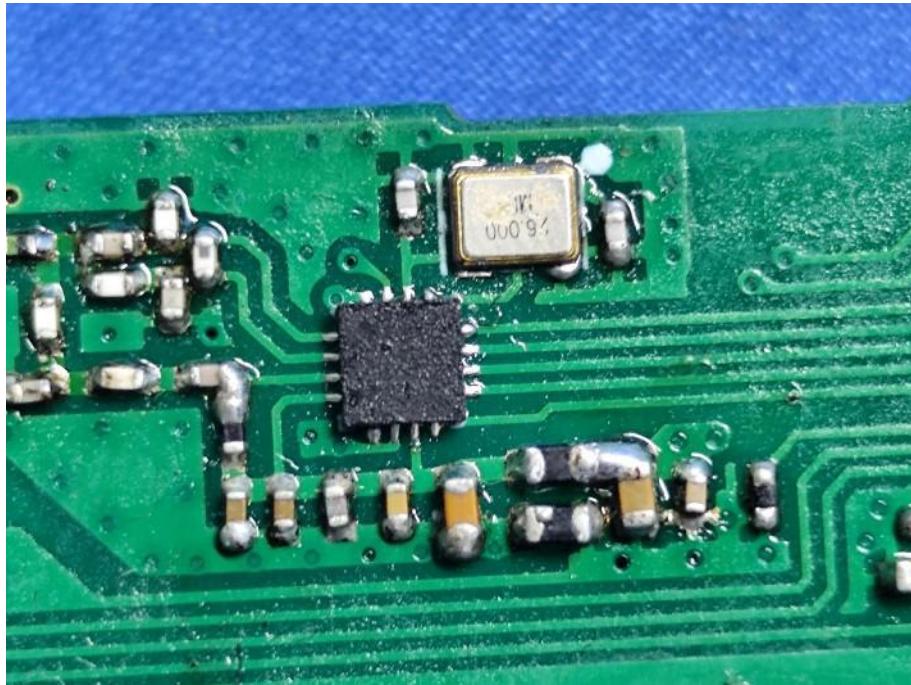
## 7.2 Internal photos











-----End of the report-----