




TEST REPORT

Report No. : **CHTEW20100048** Report Verification: 

Project No..... : **SHT2010013901EW**

FCC ID..... : **2AJ9T-FRI**

Applicant's name..... : **ZKTECO CO., LTD.**

Address..... : No.26, Pingshan 188 Industry zone, Tangxia Town, Dongguan City, Guangdong Province, China 523728

Test item description : **Biometric Reader**

Trade Mark : -

Model/Type reference..... : FR1200

Listed Model(s) : FR1200-ID, FR1300

Standard : **FCC CFR Title 47 Part 15 Subpart C Section 15.209**

Date of receipt of test sample..... : Oct.12, 2020

Date of testing..... : Oct.12, 2020- Oct.15, 2020

Date of issue..... : Oct.16, 2020

Result..... : **PASS**

Compiled by
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Echo Wei

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Kiki Kong

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Testing Laboratory Name : **Shenzhen Huatongwei International Inspection Co., Ltd.**

Address..... : 1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China

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The test report merely correspond to the test sample.

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1. TEST STANDARDS AND REPORT VERSION

1.1. Test Standards

The tests were performed according to following standards:

[FCC Rules Part 15.209](#): Radiated emission limits; general requirements

[ANSI C63.10-2013](#): American National Standard for Testing Unlicensed Wireless Devices.

1.2. Report version information

| Revision No. | Date of issue | Description |
|--------------|---------------|-------------|
| N/A | 2020-10-16 | Original |
| | | |
| | | |
| | | |
| | | |

2. TEST DESCRIPTION

| Report clause | Test Item | Section in CFR 47 | Result |
|---------------|-----------------------------------|-------------------|--------|
| 5.1 | Antenna requirement | 15.203 | PASS |
| 5.2 | AC Power Line Conducted Emissions | 15.207 | PASS |
| 5.3 | 20dB Occupied Bandwidth | 2.1049 | PASS |
| 5.4 | Spurious Emissions | 15.209 | PASS |

Remark: The measurement uncertainty is not included in the test result.

3. SUMMARY

3.1. Client Information

| | |
|---------------|--|
| Applicant: | ZKTECO CO., LTD. |
| Address: | No.26, Pingshan 188 Industry zone, Tangxia Town, Dongguan City, Guangdong Province, China 523728 |
| Manufacturer: | ZKTECO CO., LTD. |
| Address: | No.26, Pingshan 188 Industry zone, Tangxia Town, Dongguan City, Guangdong Province, China 523728 |

3.2. Product Description

| | |
|-------------------|-------------------|
| Name of EUT: | Biometric Reader |
| Trade Mark: | - |
| Model No.: | FR1200 |
| Listed Model(s): | FR1200-ID, FR1300 |
| Power supply: | DC 12V |
| Hardware version: | V1.1 |
| Software version: | V1.2 |

3.3. Radio Specification Description

| | |
|----------------------|------------------------|
| Operation frequency: | 125kHz |
| Channel number: | 1 |
| Modulation Type: | ASK |
| Antenna type: | induction coil antenna |
| Antenna gain: | 0dBi |

3.4. Testing Laboratory Information

| | | |
|---------------------|--|----------------------|
| Laboratory Name | Shenzhen Huatongwei International Inspection Co., Ltd. | |
| Laboratory Location | 1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China | |
| Qualifications | Type | Accreditation Number |
| | CNAS | L1225 |
| | A2LA | 3902.01 |
| | FCC | 762235 |
| | Canada | 5377A |

4. TEST CONFIGURATION

4.1. Test frequency list

| Channel | Frequency (KHz) |
|---------|-----------------|
| 00 | 125 |

4.2. EUT operation mode

TEST MODE

| |
|--|
| For RF test items |
| The engineering test program was provided and enabled to make EUT continuous transmit. |
| For AC power line conducted emissions: |
| The EUT was set to connect with large package sizes transmission. |

4.3. EUT configuration

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

- - supplied by the manufacturer
- - supplied by the lab

| | | |
|--|----------------|---|
| | Manufacturer : | / |
| | Model No. : | / |
| | Manufacturer : | / |
| | Model No. : | / |

4.4. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

| | |
|--------------------|-------------|
| Temperature: | 15~35°C |
| Relative Humidity: | 30~60 % |
| Air Pressure: | 950~1050mba |

4.5. Statement of the measurement uncertainty

| Test Items | Measurement Uncertainty | Notes |
|----------------------------------|-------------------------|-------|
| Conducted Disturbance 9KHz-30MHz | 3.02 dB | (1) |
| Radiated emissions below 1GHz | 4.90 dB | (1) |
| Radiated emissions above 1GHz | 4.96 dB | (1) |
| Occupied Bandwidth | 15 Hz | (1) |

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

4.6. Modifications

No modifications were implemented to meet testing criteria.

4.7. Equipments Used during the Test

| ● Conducted Emission | | | | | | | |
|----------------------|---------------------|--------------------|---------------|-----------------|---------------|---------------------------|---------------------------|
| Used | Test Equipment | Manufacturer | Equipment No. | Model No. | Serial No. | Last Cal. Date (YY-MM-DD) | Next Cal. Date (YY-MM-DD) |
| ● | Shielded Room | Albatross projects | HTWE0114 | N/A | N/A | 2018/09/28 | 2023/09/27 |
| ● | EMI Test Receiver | R&S | HTWE0111 | ESCI | 101247 | 2019/10/26 | 2020/10/25 |
| ● | Artificial Mains | SCHWARZBECK | HTWE0113 | NNLK 8121 | 573 | 2019/10/23 | 2020/10/22 |
| ● | Pulse Limiter | R&S | HTWE0033 | ESH3-Z2 | 100499 | 2019/10/23 | 2020/10/22 |
| ● | RF Connection Cable | HUBER+SUHNER | HTWE0113-02 | ENVIROFLE X_142 | EF-NM-BNCM-2M | 2019/10/23 | 2020/10/22 |
| ● | Test Software | R&S | N/A | ES-K1 | N/A | N/A | N/A |

| ● Radiated emission-6th test site | | | | | | | |
|-----------------------------------|-------------------------|--------------------|---------------|--------------|------------|---------------------------|---------------------------|
| Used | Test Equipment | Manufacturer | Equipment No. | Model No. | Serial No. | Last Cal. Date (YY-MM-DD) | Next Cal. Date (YY-MM-DD) |
| ● | Semi-Anechoic Chamber | Albatross projects | HTWE0127 | SAC-3m-02 | N/A | 2018/09/30 | 2021/09/29 |
| ● | EMI Test Receiver | R&S | HTWE0099 | ESCI | 100900 | 2019/10/26 | 2020/10/25 |
| ● | Loop Antenna | R&S | HTWE0170 | HFH2-Z2 | 100020 | 2018/04/02 | 2021/04/01 |
| ● | Ultra-Broadband Antenna | SCHWARZBECK | HTWE0123 | VULB9163 | 546 | 2020/04/28 | 2023/04/27 |
| ● | Pre-Amplifier | SCHWARZBECK | HTWE0295 | BBV 9742 | N/A | 2019/11/14 | 2020/11/13 |
| ● | RF Connection Cable | HUBER+SUHNER | HTWE0062-01 | N/A | N/A | 2020/05/27 | 2021/05/26 |
| ● | RF Connection Cable | HUBER+SUHNER | HTWE0062-02 | SUCOFLEX 104 | 501184/4 | 2020/05/27 | 2021/05/26 |
| ● | Test Software | R&S | N/A | ES-K1 | N/A | N/A | N/A |

| ● Radiated emission-7th test site | | | | | | | |
|-----------------------------------|-------------------------|--------------------|---------------|-------------------|-------------|---------------------------|---------------------------|
| Used | Test Equipment | Manufacturer | Equipment No. | Model No. | Serial No. | Last Cal. Date (YY-MM-DD) | Next Cal. Date (YY-MM-DD) |
| ● | Semi-Anechoic Chamber | Albatross projects | HTWE0122 | SAC-3m-01 | N/A | 2018/09/30 | 2021/09/29 |
| ● | Spectrum Analyzer | R&S | HTWE0098 | FSP40 | 100597 | 2019/10/26 | 2020/10/25 |
| ● | Horn Antenna | SCHWARZBECK | HTWE0126 | 9120D | 1011 | 2020/04/01 | 2023/03/31 |
| ● | Broadband Horn Antenna | SCHWARZBECK | HTWE0103 | BBHA9170 | BBHA9170472 | 2018/10/11 | 2021/10/11 |
| ● | Pre-amplifier | CD | HTWE0071 | PAP-0102 | 12004 | 2019/11/14 | 2020/11/13 |
| ● | Broadband Pre-amplifier | SCHWARZBECK | HTWE0201 | BBV 9718 | 9718-248 | 2020/05/23 | 2021/05/22 |
| ● | RF Connection Cable | HUBER+SUHNER | HTWE0120-01 | 6m 18GHz S Serisa | N/A | 2020/05/10 | 2021/05/09 |
| ● | RF Connection Cable | HUBER+SUHNER | HTWE0120-02 | 6m 3GHz RG Serisa | N/A | 2020/05/10 | 2021/05/09 |
| ● | RF Connection Cable | HUBER+SUHNER | HTWE0120-03 | 6m 3GHz RG Serisa | N/A | 2020/05/10 | 2021/05/09 |
| ● | RF Connection Cable | HUBER+SUHNER | HTWE0120-04 | 6m 3GHz RG Serisa | N/A | 2020/05/10 | 2021/05/09 |
| ● | RF Connection Cable | HUBER+SUHNER | HTWE0121-01 | 6m 18GHz S Serisa | N/A | 2020/05/10 | 2021/05/09 |
| ● | Test Software | Audix | N/A | E3 | N/A | N/A | N/A |

| ● RF Conducted Method | | | | | | |
|-----------------------|------------------------------|--------------|-----------|------------|---------------------------|---------------------------|
| Used | Test Equipment | Manufacturer | Model No. | Serial No. | Last Cal. Date (YY-MM-DD) | Next Cal. Date (YY-MM-DD) |
| ● | Signal and spectrum Analyzer | R&S | FSV40 | 100048 | 2019/10/26 | 2020/10/25 |
| ● | Spectrum Analyzer | Agilent | N9020A | MY50510187 | 2019/10/26 | 2020/10/25 |
| ○ | Power Meter | Anritsu | ML249A | N/A | 2019/10/26 | 2020/10/25 |
| ○ | Radio communication tester | R&S | CMW500 | 137688-Lv | 2019/10/26 | 2020/10/25 |

5. TEST CONDITIONS AND RESULTS

5.1. Antenna requirement

Requirement

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.

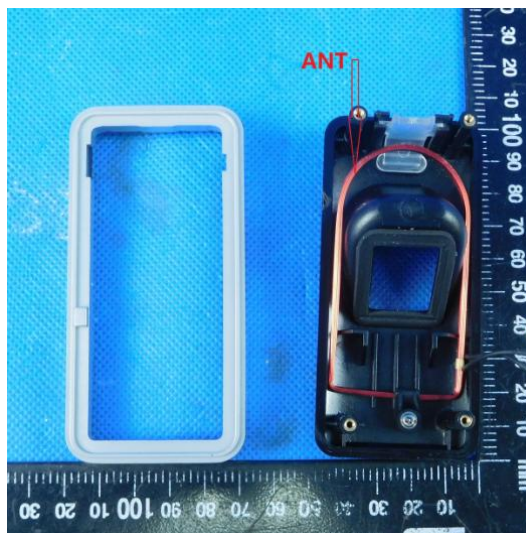
Refer to statement below for compliance.

The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

TEST RESULTS

Passed **Not Applicable**

The antenna type is a induction coil antenna, Please refer to the below antenna photo.



5.2. AC Power Conducted Emissions

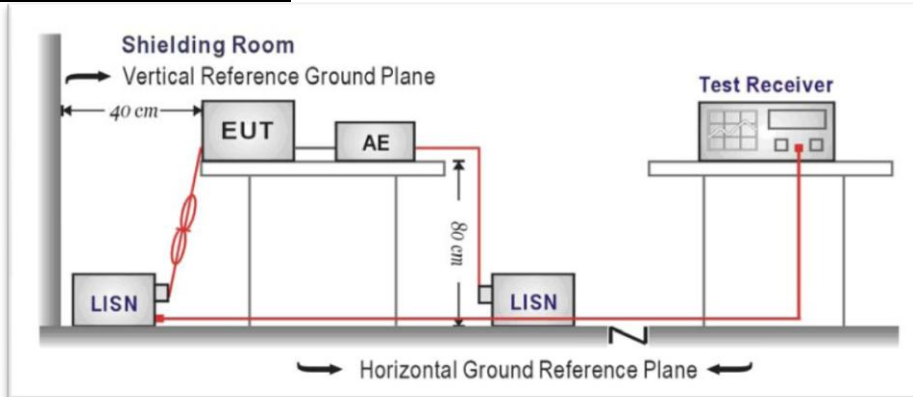
LIMIT

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 C63.10:2013
2. The EUT was placed on a plat form 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 impedance stabilization network (LISN). The LISN provides a 50ohm / 50uH coupling impedance for the measuring equipment.
4. The peripheral devices are also connected to the main power through a LISN. (Please 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:

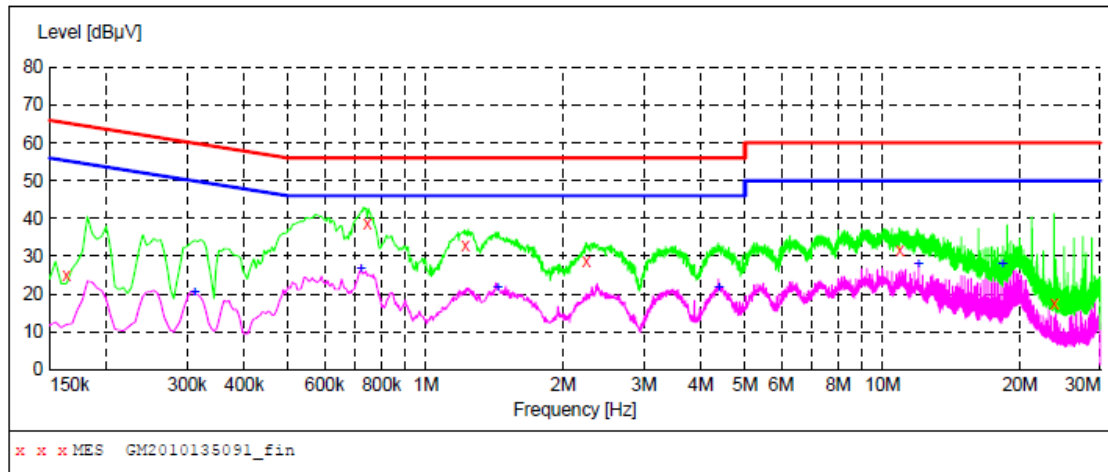
Please refer to the clause 3.3

TEST RESULTS

Passed Not Applicable

Test Line:

L



MEASUREMENT RESULT: "GM2010135091_fin"

10/13/2020 6:47PM

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.163500 | 24.80 | 10.0 | 65 | 40.5 | QP | L1 | GND |
| 0.744000 | 38.60 | 10.1 | 56 | 17.4 | QP | L1 | GND |
| 1.221000 | 33.00 | 10.1 | 56 | 23.0 | QP | L1 | GND |
| 2.247000 | 28.60 | 10.1 | 56 | 27.4 | QP | L1 | GND |
| 10.918500 | 31.50 | 10.4 | 60 | 28.5 | QP | L1 | GND |
| 23.775000 | 17.60 | 10.5 | 60 | 42.4 | QP | L1 | GND |

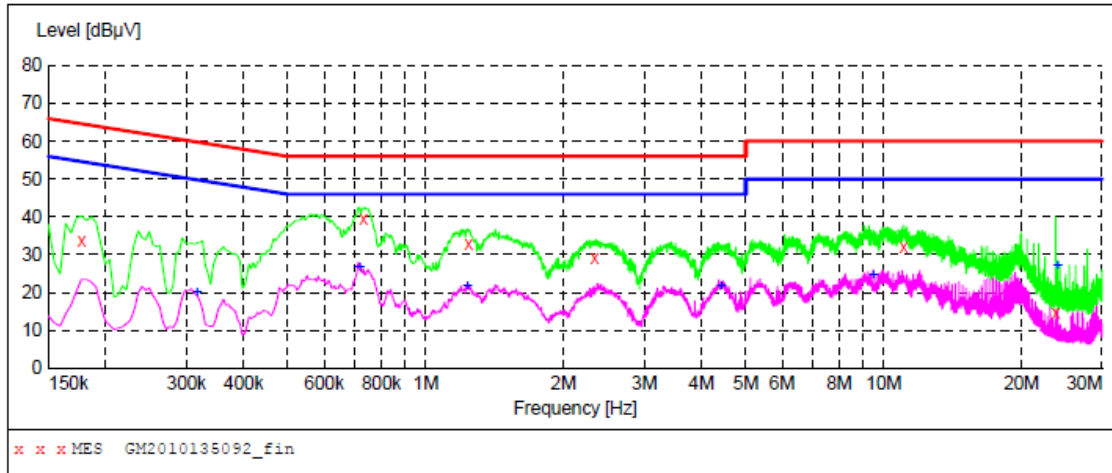
MEASUREMENT RESULT: "GM2010135091_fin2"

10/13/2020 6:47PM

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.312000 | 20.40 | 10.1 | 50 | 29.5 | AV | L1 | GND |
| 0.721500 | 26.70 | 10.1 | 46 | 19.3 | AV | L1 | GND |
| 1.437000 | 21.80 | 10.1 | 46 | 24.2 | AV | L1 | GND |
| 4.375500 | 21.50 | 10.2 | 46 | 24.5 | AV | L1 | GND |
| 11.998500 | 27.90 | 10.4 | 50 | 22.1 | AV | L1 | GND |
| 18.375000 | 28.00 | 10.5 | 50 | 22.0 | AV | L1 | GND |

Test Line:

N



MEASUREMENT RESULT: "GM2010135092_fin"

10/13/2020 6:51PM

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.177000 | 33.60 | 10.0 | 65 | 31.0 | QP | N | GND |
| 0.730500 | 39.30 | 10.1 | 56 | 16.7 | QP | N | GND |
| 1.239000 | 33.00 | 10.1 | 56 | 23.0 | QP | N | GND |
| 2.337000 | 29.00 | 10.2 | 56 | 27.0 | QP | N | GND |
| 11.058000 | 32.20 | 10.4 | 60 | 27.8 | QP | N | GND |
| 23.748000 | 14.70 | 10.5 | 60 | 45.3 | QP | N | GND |

MEASUREMENT RESULT: "GM2010135092_fin2"

10/13/2020 6:51PM

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.316500 | 19.90 | 10.1 | 50 | 29.9 | AV | N | GND |
| 0.717000 | 26.50 | 10.1 | 46 | 19.5 | AV | N | GND |
| 1.234500 | 21.50 | 10.1 | 46 | 24.5 | AV | N | GND |
| 4.411500 | 21.50 | 10.2 | 46 | 24.5 | AV | N | GND |
| 9.501000 | 24.50 | 10.3 | 50 | 25.5 | AV | N | GND |
| 24.000000 | 27.10 | 10.5 | 50 | 22.9 | AV | N | GND |

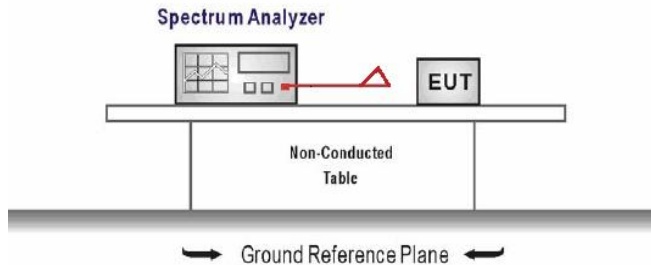
5.3. 20dB Bandwidth

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.215

Intentional radiators must be designed to ensure that the 20dB emission bandwidth in the specific band.

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 hopping channel
 RBW ≥ 1% of the 20 dB bandwidth, VBW ≥ RBW
 Sweep = auto, Detector function = peak, Trace = max hold
4. Measure and record the results in the test report.

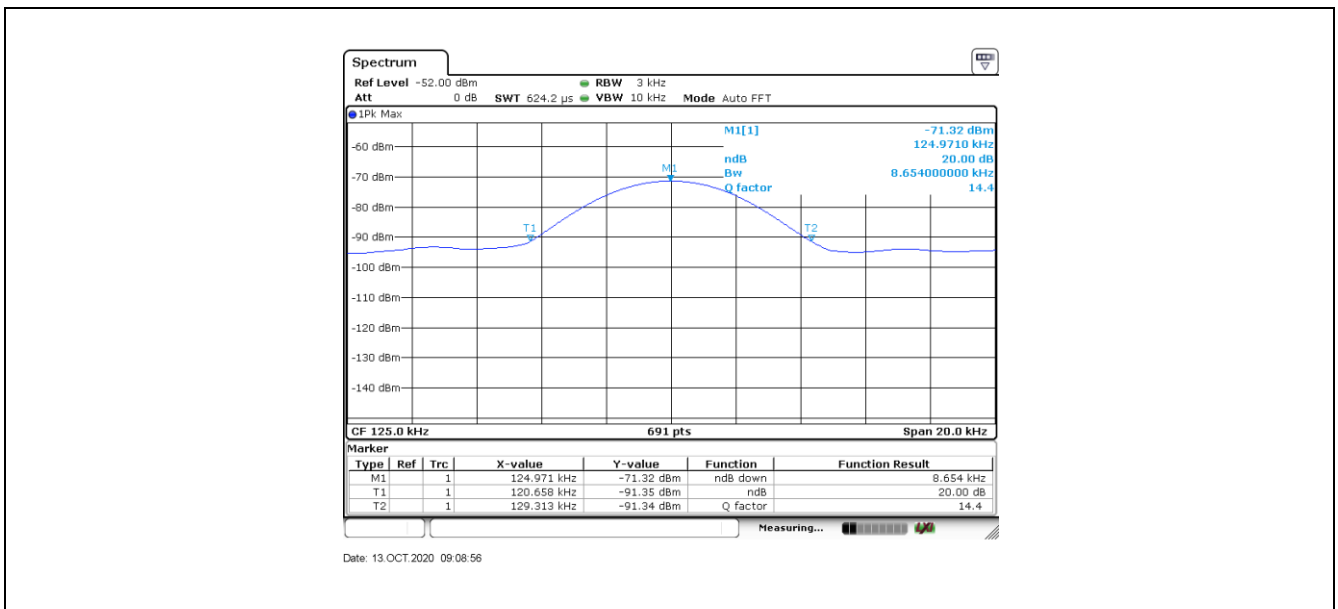
TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

Passed Not Applicable

| Test Channel | 20dB Bandwidth (KHz) | Limit (KHz) | Result |
|--------------|----------------------|-------------|--------|
| 00 | 8.654 | - | Pass |



5.4. Radiated Emission

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

Limit for frequency below 30MHz:

| Frequency | Limit (uV/m) | Measurement Distance(m) | Remark |
|-------------|--------------|-------------------------|------------|
| 0.009~0.490 | 2400/F(kHz) | 300 | Quasi-peak |
| 0.490~1.705 | 24000/F(kHz) | 30 | Quasi-peak |
| 1.705~30.0 | 30 | 30 | Quasi-peak |

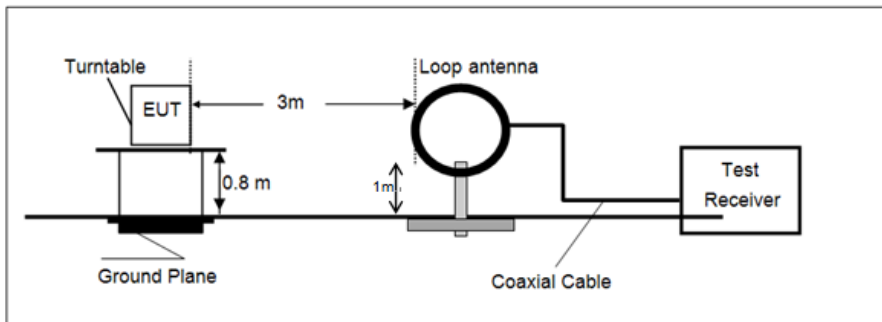
Note: Limit dBuV/m @3m = Limit dBuV/m @300m + 40*log(300/3)= Limit dBuV/m @300m +80,
 Limit dBuV/m @3m = Limit dBuV/m @30m +40*log(30/3)= Limit dBuV/m @30m + 40.

Limit for frequency above 30MHz:

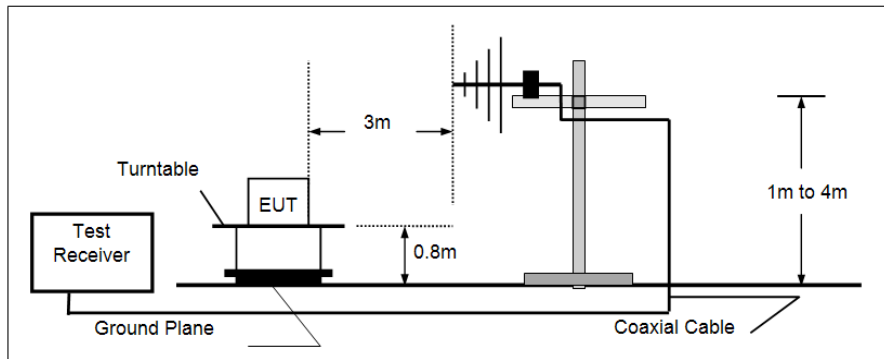
| Frequency | Limit (dBuV/m@3m) | Remark |
|---------------|-------------------|------------|
| 30MHz~88MHz | 40.00 | Quasi-peak |
| 88MHz~216MHz | 43.50 | Quasi-peak |
| 216MHz~960MHz | 46.00 | Quasi-peak |
| 960MHz-1GHz | 54.00 | Quasi-peak |

TEST CONFIGURATION

- 9 kHz ~ 30 MHz



- 30 MHz ~ 1 GHz



TEST PROCEDURE

1. The EUT was setup and tested according to ANSI C63.10:2013 requirements.
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
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Below 30MHz:
RBW=10 kHz, VBW=30 kHz, Sweep=auto, Detector function=peak, Trace=max hold;
 - (3) 30MHz to 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.
 - (4) From 1 GHz to 10th harmonic:
RBW=1MHz, VBW=3MHz Peak detector for Peak value.
RBW=1MHz, VBW=3MHz RMS detector for Average value.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

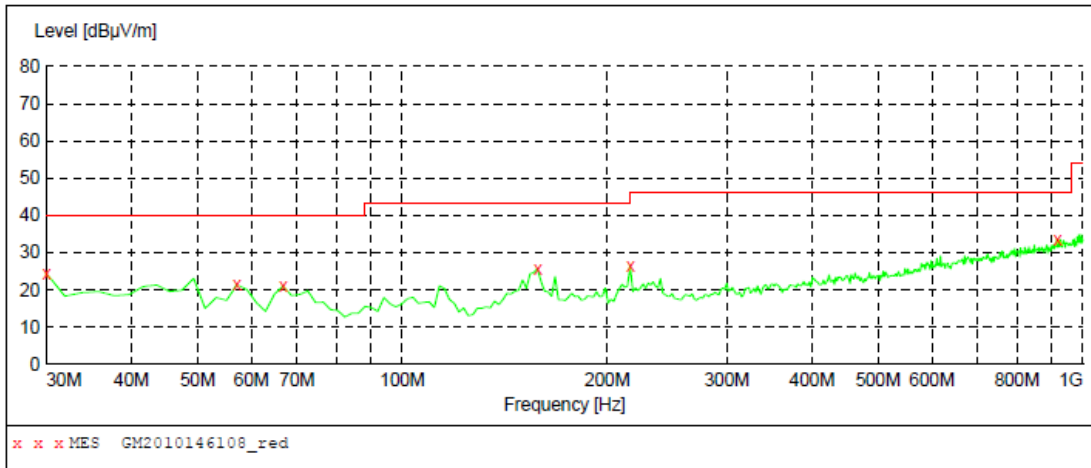
Passed **Not Applicable**

Below 30MHz:

| Mark | Frequency (MHz) | Reading (dBuA) | Antenna (dB) | Cable (dB) | Preamp (dB) | Level (dBuA/m) | Limit (dBuA/m) | Over Limit | Remark |
|------|-----------------|----------------|--------------|------------|-------------|----------------|----------------|------------|--------|
| 1 | 0.01 | 21.14 | 22.28 | 0.20 | 0.00 | 43.62 | 127.60 | -83.98 | Peak |
| 2 | 0.03 | 20.59 | 22.34 | 0.21 | 0.00 | 43.14 | 118.06 | -74.92 | Peak |
| 3 | 0.12 | 26.67 | 22.27 | 0.23 | 0.00 | 49.17 | 106.02 | -56.85 | Peak |
| 4 | 0.24 | 23.90 | 22.20 | 0.24 | 0.00 | 46.34 | 100.00 | -53.66 | Peak |
| 5 | 0.78 | 20.50 | 22.20 | 0.29 | 0.00 | 42.99 | 69.76 | -26.77 | Peak |
| 6 | 6.49 | 11.19 | 22.01 | 0.41 | 0.00 | 33.61 | 69.54 | -35.93 | Peak |

Above 30MHz:

Polarization: Vertical

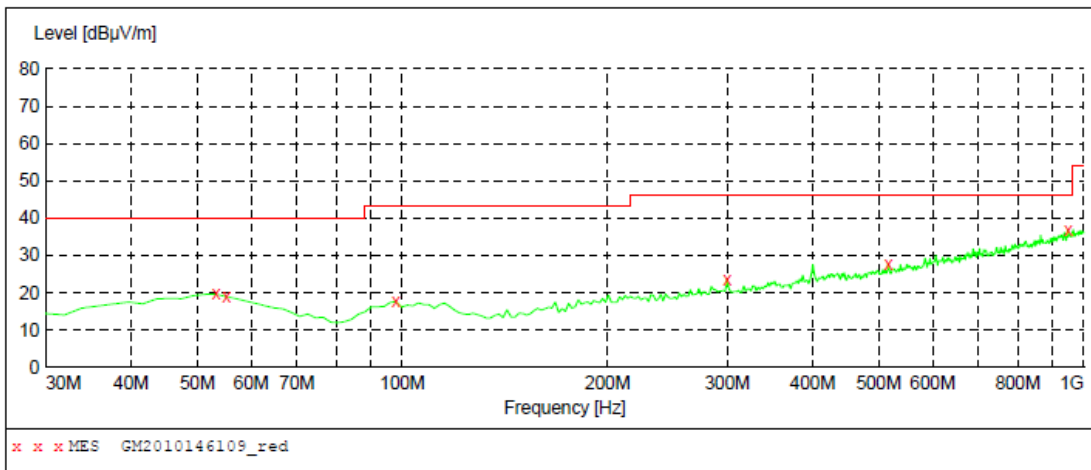


MEASUREMENT RESULT: "GM2010146108_red"

10/14/2020 10:35PM

| Frequency MHz | Level dBuV/m | Transd dB | Limit dBuV/m | Margin dB | Det. | Height cm | Azimuth deg | Polarization |
|------------------|-----------------|--------------|-----------------|--------------|------|--------------|----------------|--------------|
| 30.000000 | 24.50 | -11.8 | 40.0 | 15.5 | QP | 100.0 | 185.00 | VERTICAL |
| 57.160000 | 21.40 | -8.5 | 40.0 | 18.6 | QP | 100.0 | 330.00 | VERTICAL |
| 66.860000 | 21.10 | -11.4 | 40.0 | 18.9 | QP | 100.0 | 346.00 | VERTICAL |
| 158.040000 | 25.70 | -12.6 | 43.5 | 17.8 | QP | 100.0 | 0.00 | VERTICAL |
| 216.240000 | 26.50 | -9.5 | 46.0 | 19.5 | QP | 100.0 | 360.00 | VERTICAL |
| 916.580000 | 33.70 | 8.1 | 46.0 | 12.3 | QP | 100.0 | 127.00 | VERTICAL |

Polarization: Horizontal



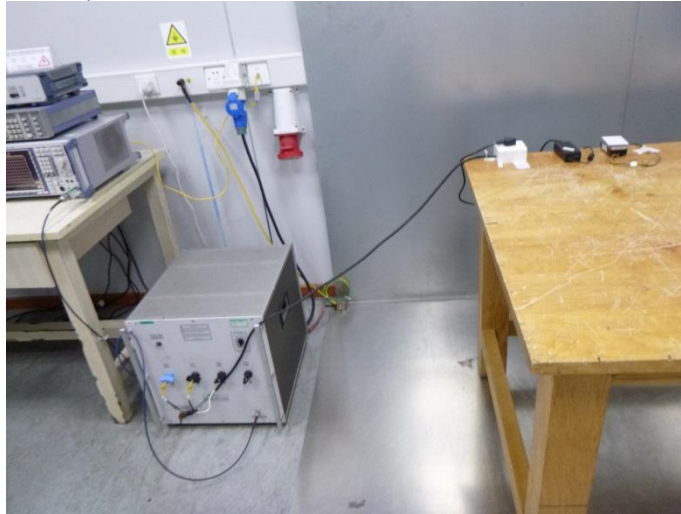
MEASUREMENT RESULT: "GM2010146109_red"

10/14/2020 10:38PM

| Frequency MHz | Level dBuV/m | Transd dB | Limit dBuV/m | Margin dB | Det. | Height cm | Azimuth deg | Polarization |
|------------------|-----------------|--------------|-----------------|--------------|------|--------------|----------------|--------------|
| 53.280000 | 19.70 | -8.3 | 40.0 | 20.3 | QP | 100.0 | 232.00 | HORIZONTAL |
| 55.220000 | 19.00 | -8.1 | 40.0 | 21.0 | QP | 300.0 | 354.00 | HORIZONTAL |
| 97.900000 | 17.70 | -10.2 | 43.5 | 25.8 | QP | 100.0 | 322.00 | HORIZONTAL |
| 299.660000 | 23.40 | -6.1 | 46.0 | 22.6 | QP | 100.0 | 105.00 | HORIZONTAL |
| 516.940000 | 27.70 | -0.7 | 46.0 | 18.3 | QP | 300.0 | 118.00 | HORIZONTAL |
| 947.620000 | 36.90 | 8.7 | 46.0 | 9.1 | QP | 300.0 | 169.00 | HORIZONTAL |

6. TEST SETUP PHOTOS OF THE EUT

Conducted Emissions (AC Mains)



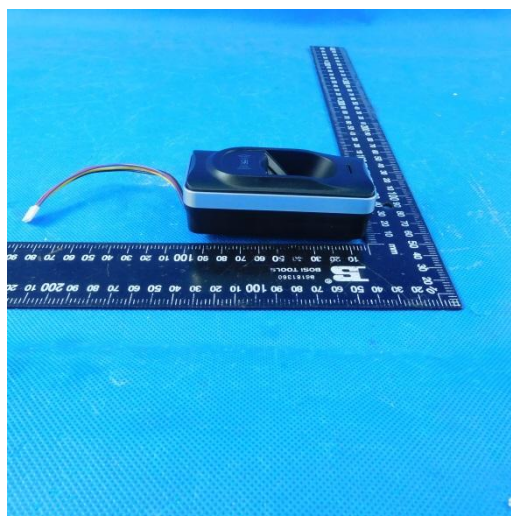
Radiated Emissions

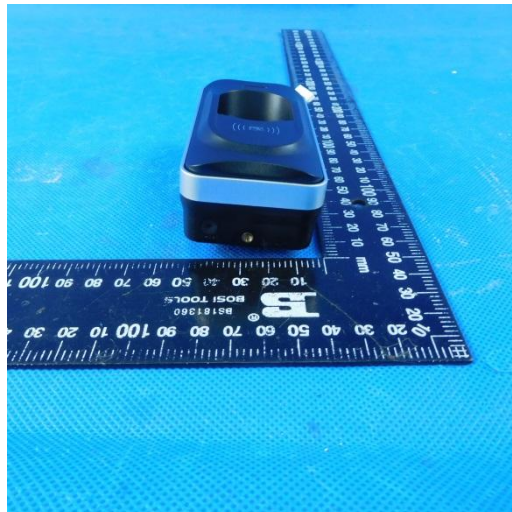
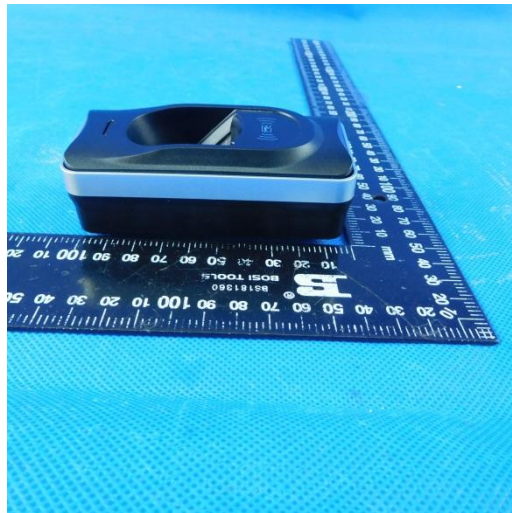
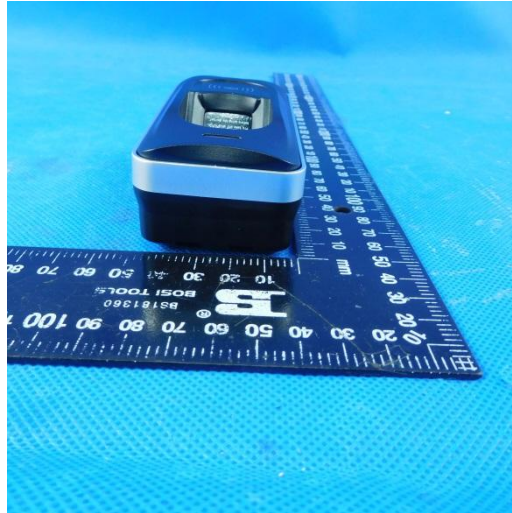


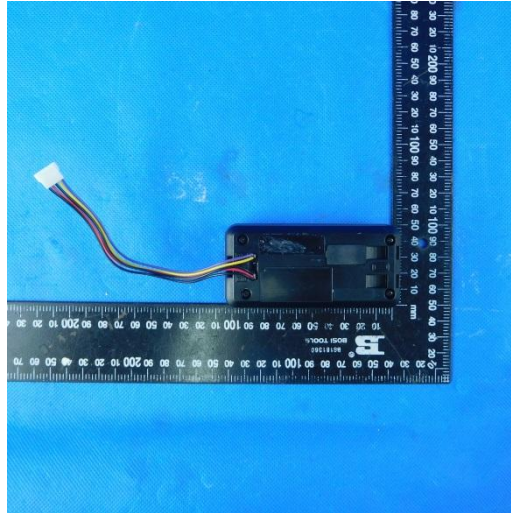


7. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

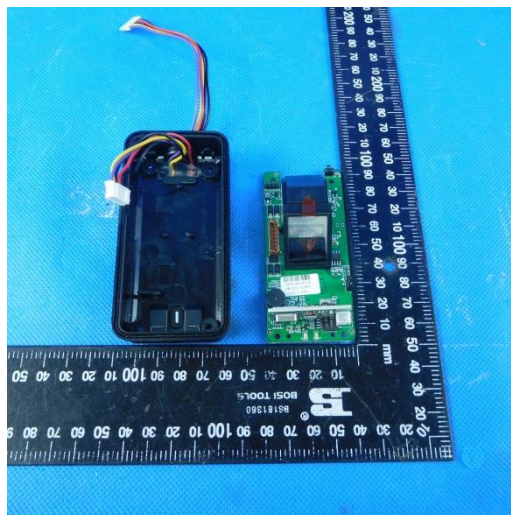
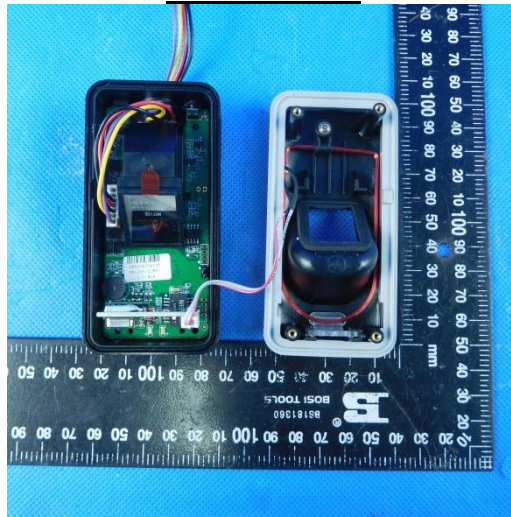
External Photos

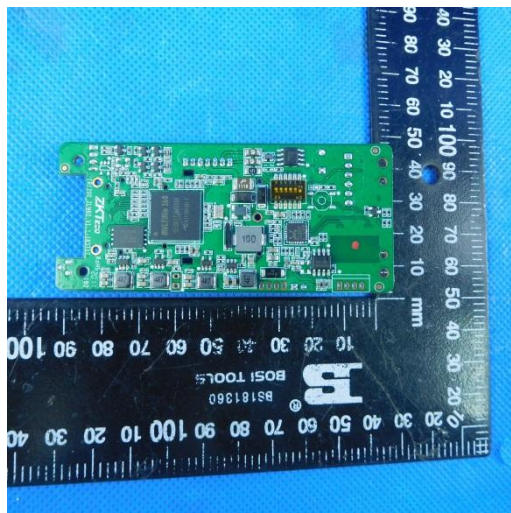
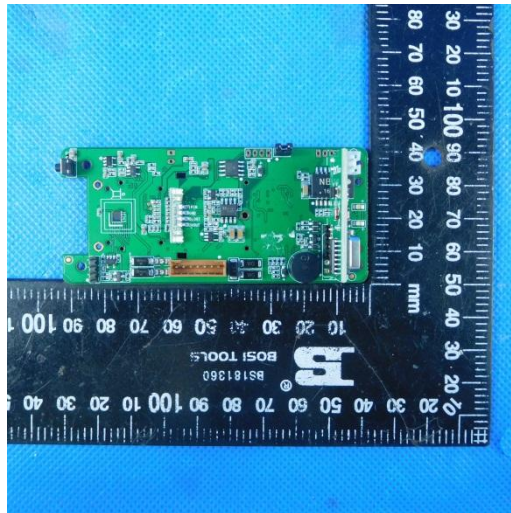
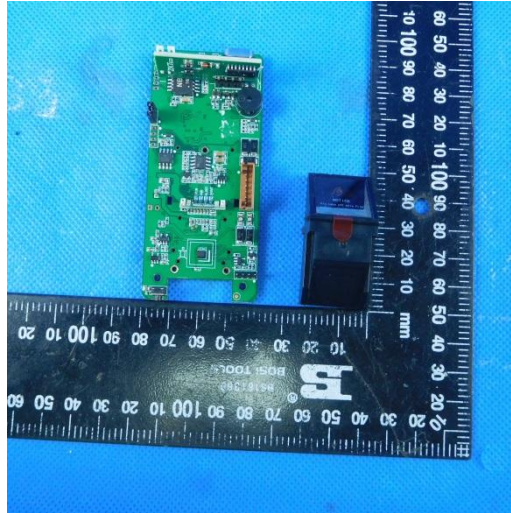


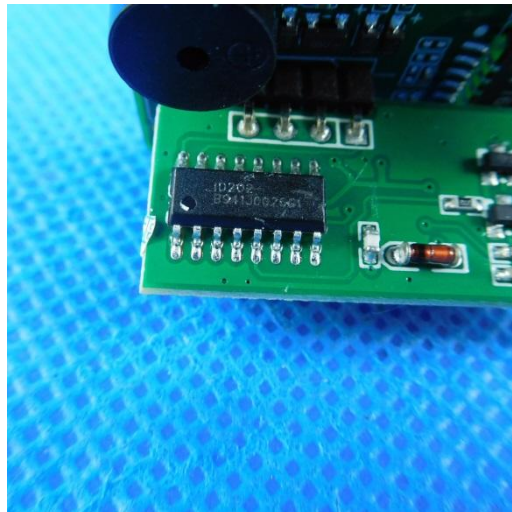
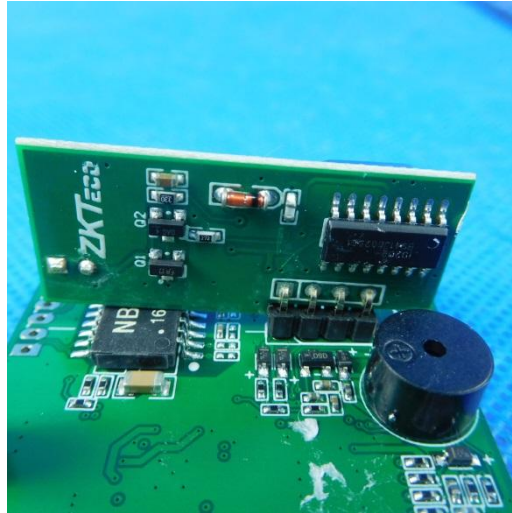




Internal Photos







-----End of Report-----