



# TEST REPORT

Report Reference No. .... : TRE1801007501 R/C.....: 35798  
FCC ID..... : 2AEY7-S8A003  
Applicant's name ..... : Bak USA Technologies Corp.  
Address..... : 425 Michigan Avenue, Buffalo, New York 14203, USA  
Manufacturer..... : Bak USA Technologies Corp.  
Address..... : 425 Michigan Avenue, Buffalo, New York 14203, USA  
Test item description ..... : Tablet PC  
Trade Mark ..... : -  
Model/Type reference..... : LTE Flashlight 1.0  
Listed Model(s) ..... : -  
Standard ..... : FCC CFR Title 47 Part 15 Subpart C Section 15.247  
Date of receipt of test sample..... : Jan. 11, 2018  
Date of testing..... : Jan. 12, 2018- Jan. 22, 2018  
Date of issue..... : Jan. 22, 2018  
Result..... : PASS

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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 15.247](#): Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz.

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

[KDB 558074 D01 DTS Meas Guidance v04](#): Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating under §15.247

### 1.2. Report version

| Version No. | Date of issue | Description |
|-------------|---------------|-------------|
| 00          | Jan. 22, 2018 | Original    |
|             |               |             |
|             |               |             |
|             |               |             |
|             |               |             |

## 2. TEST DESCRIPTION

| Test Item                          | FCC Rule         | Result | Test Engineer |
|------------------------------------|------------------|--------|---------------|
| Antenna requirement                | 15.203/15.247(c) | Pass   | William Wang  |
| Line Conducted Emissions (AC Main) | 15.207           | Pass   | William Wang  |
| Spurious Emissions                 | 15.209           | Pass   | William Wang  |

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

### 3. SUMMARY

#### 3.1. Client Information

|               |                                                   |
|---------------|---------------------------------------------------|
| Applicant:    | Bak USA Technologies Corp.                        |
| Address:      | 425 Michigan Avenue, Buffalo, New York 14203, USA |
| Manufacturer: | Bak USA Technologies Corp.                        |
| Address:      | 425 Michigan Avenue, Buffalo, New York 14203, USA |

#### 3.2. Product Description

|                      |                                                                                        |
|----------------------|----------------------------------------------------------------------------------------|
| Name of EUT:         | Tablet PC                                                                              |
| Trade Mark:          | -                                                                                      |
| Model No.:           | LTE Flashlight 1.0                                                                     |
| Listed Model(s):     | -                                                                                      |
| Power supply:        | DC 3.7V From exchange battery                                                          |
| Adapter information: | Input: 100-240Va.c., 50/60Hz, 0.6A<br>Output: 5Vd.c., 5A                               |
| Hardware version:    | 1.0                                                                                    |
| Software version:    | 1607                                                                                   |
| <b>WIFI</b>          |                                                                                        |
| Supported type:      | 802.11b/802.11g/802.11n(HT20)/802.11n(HT40)                                            |
| Modulation:          | DSSS for 802.11b<br>OFDM for 802.11g/802.11n(HT20)/802.11n(HT40)                       |
| Operation frequency: | 2412MHz~2462MHz for 802.11b/802.11g/802.11n(HT20)<br>2422MHz~2452MHz for 802.11n(HT40) |
| Channel number:      | 11 for 802.11b/802.11g/802.11n(HT20)<br>7 for 802.11n(HT40)                            |
| Channel separation:  | 5MHz                                                                                   |
| Antenna type:        | Integral antenna                                                                       |
| Antenna gain:        | 2.0 dBi                                                                                |

### 3.3. Operation state

#### ➤ Test frequency list

According to section 15.31(m), regards to the operating frequency range over 10 MHz, must select three channel which were tested. the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, please see the above gray bottom.

| 802.11b/g/n(HT20) |                 | 802.11n(HT40) |                 |
|-------------------|-----------------|---------------|-----------------|
| Channel           | Frequency (MHz) | Channel       | Frequency (MHz) |
| 01                | 2412            | 01            | -               |
| 02                | 2417            | 02            | -               |
| 03                | 2422            | 03            | 2422            |
| 04                | 2427            | 04            | 2427            |
| 05                | 2432            | 05            | 2432            |
| 06                | 2437            | 06            | 2437            |
| 07                | 2442            | 07            | 2442            |
| 08                | 2447            | 08            | 2447            |
| 09                | 2452            | 09            | 2452            |
| 10                | 2457            | 10            | -               |
| 11                | 2462            | 11            | -               |

#### ➤ Test mode

|                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For RF test items                                                                                                                                                                                                                        |
| The engineering test program was provided and enabled to make EUT continuous transmit (duty cycle>98%).                                                                                                                                  |
| For AC power line conducted emissions:                                                                                                                                                                                                   |
| The EUT was set to connect with the WLAN AP under large package sizes transmission.                                                                                                                                                      |
| For Radiated suprious emissions test item:                                                                                                                                                                                               |
| The engineering test program was provided and enabled to make EUT continuous transmit(duty cycle>98%). The EUT in each of three orthogonal axis emissions had been tested ,but only the worst case (X axis) data Recorded in the report. |

### 3.4. 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.:    | / |

### 3.5. Modifications

No modifications were implemented to meet testing criteria.

## **4. TEST ENVIRONMENT**

### **4.1. Address of the test laboratory**

Laboratory: Shenzhen Huatongwei International Inspection Co., Ltd.

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

### **4.2. Test Facility**

#### **CNAS-Lab Code: L1225**

Shenzhen Huatongwei International Inspection Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories.

#### **A2LA-Lab Cert. No.: 3902.01**

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

#### **FCC-Registration No.: 762235**

Shenzhen Huatongwei International Inspection Co., Ltd. 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.

#### **IC-Registration No.:5377B-1**

Two 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No.: 5377B-1.

#### **ACA**

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our A2LA accreditation.

### 4.3. 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 |

### 4.4. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors in calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report according to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2" and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd. quality system according to ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Here after the best measurement capability for Shenzhen Huatongwei International Inspection Co., Ltd. is reported:

| Test Items                              | Measurement Uncertainty | Notes |
|-----------------------------------------|-------------------------|-------|
| Transmitter power conducted             | 0.57 dB                 | (1)   |
| Transmitter power Radiated              | 2.20 dB                 | (1)   |
| Conducted spurious emissions 9kHz~40GHz | 1.60 dB                 | (1)   |
| Radiated spurious emissions 9kHz~40GHz  | 2.20 dB                 | (1)   |
| Conducted Emissions 9kHz~30MHz          | 3.39 dB                 | (1)   |
| Radiated Emissions 30~1000MHz           | 4.24 dB                 | (1)   |
| Radiated Emissions 1~18GHz              | 5.16 dB                 | (1)   |
| Radiated Emissions 18~40GHz             | 5.54 dB                 | (1)   |

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

**4.5. Equipments Used during the Test**

| Conducted Emissions |                                  |              |                 |            |                         |                         |
|---------------------|----------------------------------|--------------|-----------------|------------|-------------------------|-------------------------|
| Item                | Test Equipment                   | Manufacturer | Model No.       | Serial No. | Last Cal.<br>(mm-dd-yy) | Next Cal.<br>(mm-dd-yy) |
| 1                   | EMI Test Receiver                | R&S          | ESCI            | 101247     | 11/11/2017              | 11/10/2018              |
| 2                   | Artificial Mains                 | SCHWARZBECK  | NNLK 8121       | 573        | 11/11/2017              | 11/10/2018              |
| 3                   | Pulse Limiter                    | R&S          | ESH3-Z2         | 101488     | 11/11/2017              | 11/10/2018              |
| 4                   | Test Software                    | R&S          | ES-K1           | N/A        | N/A                     | N/A                     |
| 5                   | RF Connection Cable              | HUBER+SUHNER | EF400           | N/A        | 11/21/2017              | 11/20/2018              |
| 6                   | Single Balanced Telecom Pair ISN | FCC          | FCC-TLISN-T2-02 | 20371      | 11/11/2017              | 11/10/2018              |
| 7                   | Two Balanced Telecom Pairs ISN   | FCC          | FCC-TLISN-T4-02 | 20373      | 11/11/2017              | 11/10/2018              |
| 8                   | Four Balanced Telecom Pairs ISN  | FCC          | FCC-TLISN-T8-02 | 20375      | 11/11/2017              | 11/10/2018              |
| 9                   | V-Network                        | R&S          | ESH3-Z6         | 100211     | 11/11/2017              | 11/10/2018              |
| 10                  | V-Network                        | R&S          | ESH3-Z6         | 100210     | 11/11/2017              | 11/10/2018              |
| 11                  | 2-Line V-Network                 | R&S          | ESH3-Z5         | 100049     | 11/11/2017              | 11/10/2018              |

| Radiated Emissions |                         |                              |           |            |                         |                         |
|--------------------|-------------------------|------------------------------|-----------|------------|-------------------------|-------------------------|
| Item               | Test Equipment          | Manufacturer                 | Model No. | Serial No. | Last Cal.<br>(mm-dd-yy) | Next Cal.<br>(mm-dd-yy) |
| 1                  | EMI Test Receiver       | R&S                          | ESCI      | 101247     | 11/11/2017              | 11/10/2018              |
| 2                  | Loop Antenna            | R&S                          | HFH2-Z2   | 100020     | 11/20/2017              | 11/19/2018              |
| 3                  | Ultra-Broadband Antenna | SCHWARZBECK                  | VULB9163  | 538        | 4/5/2017                | 4/4/2018                |
| 4                  | Horn Antenna            | SCHWARZBECK                  | 9120D     | 1011       | 3/27/2017               | 3/26/2018               |
| 5                  | Horn Antenna            | SCHWARZBECK                  | BBHA9170  | 25841      | 3/27/2017               | 3/26/2018               |
| 6                  | Preamplifier            | SCHWARZBECK                  | BBV 9743  | 9743-0022  | 10/18/2017              | 10/17/2018              |
| 7                  | Broadband Preamplifier  | SCHWARZBECK                  | BBV 9718  | 9718-248   | 10/18/2017              | 10/17/2018              |
| 8                  | High pass filter        | Compliance Direction systems | BSU-6     | 34202      | 11/11/2017              | 11/10/2018              |
| 9                  | Turntable               | MATURO                       | TT2.0     | /          | N/A                     | N/A                     |
| 10                 | Antenna Mast            | MATURO                       | TAM-4.0-P | /          | N/A                     | N/A                     |
| 11                 | EMI Test Software       | R&S                          | ESK1      | N/A        | N/A                     | N/A                     |
| 12                 | EMI Test Software       | Audix                        | E3        | N/A        | N/A                     | N/A                     |

|    |                           |                  |            |     |            |            |
|----|---------------------------|------------------|------------|-----|------------|------------|
| 13 | RF<br>Connection<br>Cable | HUBER+SUHNE<br>R | 3m 3GHz S  | N/A | 11/21/2017 | 11/20/2018 |
| 14 | RF<br>Connection<br>Cable | HUBER+SUHNE<br>R | 3m 3GHz RG | N/A | 11/21/2017 | 11/20/2018 |
| 15 | RF<br>Connection<br>Cable | HUBER+SUHNE<br>R | 6m 18GHz S | N/A | 11/21/2017 | 11/20/2018 |

The Cal.Interval was one year.

## 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.

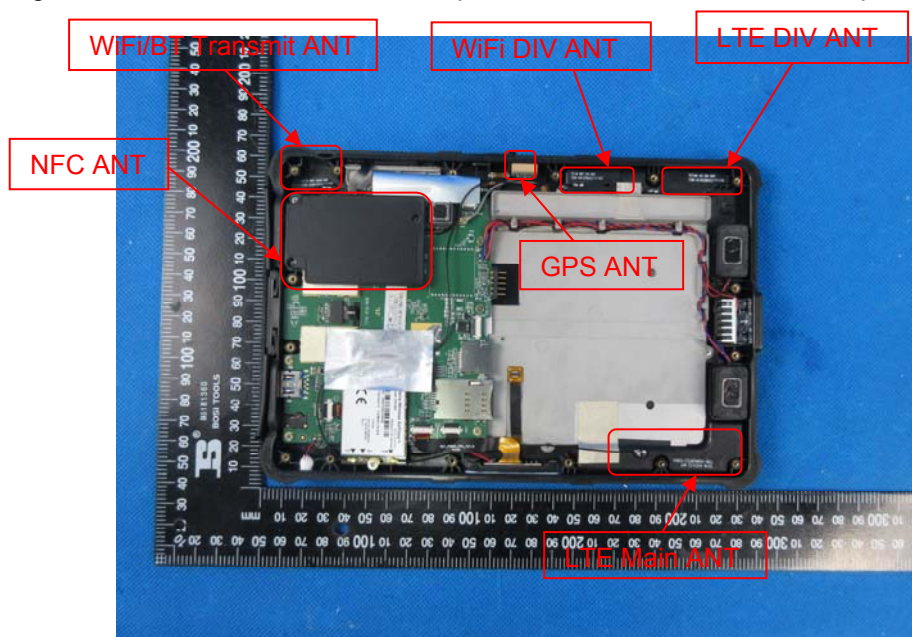
#### **FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1)(i):**

(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 6 dBi 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 6 dBi.

#### TEST RESULTS

☒ Passed      ☐ Not Applicable

The directional gain of the antenna less than 6 dBi, please refer to the below antenna photo.



## 5.2. Conducted Emissions (AC Main)

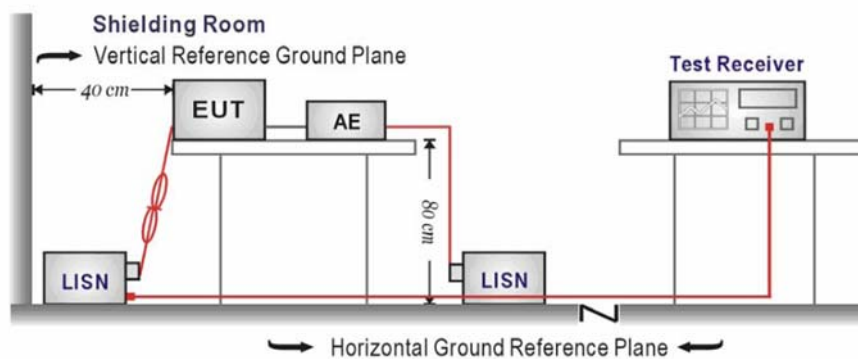
### LIMIT

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 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. (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

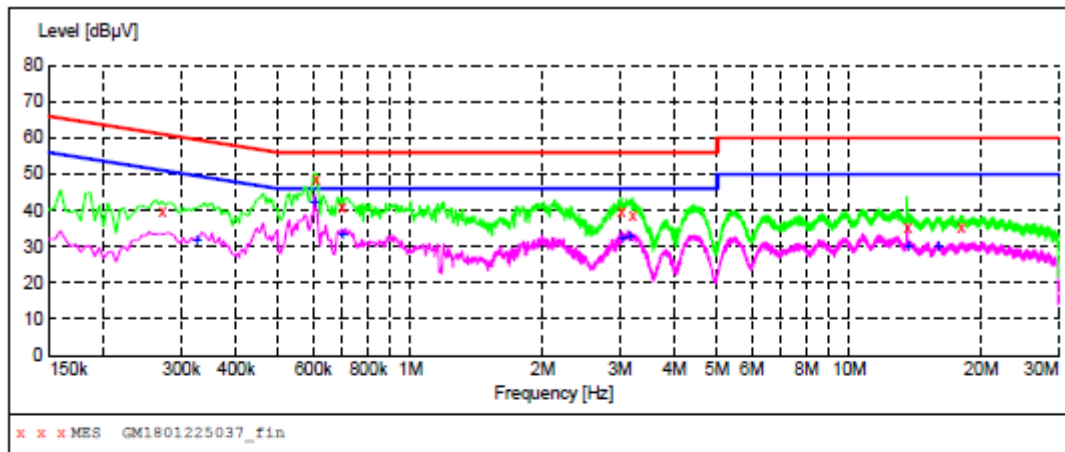
☒ Passed ☐ Not Applicable

Note:

- 1) Transd=Cable lose+ Pulse Limiter Factor + Artificial Mains Factor
- 2) Margin= Limit -Level

Test Line:

L

**MEASUREMENT RESULT: "GM1801225037\_fin"**

1/22/2018 3:29PM

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.271500         | 39.90         | 9.9          | 61            | 21.2         | QP       | L1   | GND |
| 0.609000         | 48.70         | 10.0         | 56            | 7.3          | QP       | L1   | GND |
| 0.699000         | 40.90         | 10.0         | 56            | 15.1         | QP       | L1   | GND |
| 3.025500         | 39.70         | 10.1         | 56            | 16.3         | QP       | L1   | GND |
| 3.205500         | 38.80         | 10.1         | 56            | 17.2         | QP       | L1   | GND |
| 13.605000        | 35.10         | 10.5         | 60            | 24.9         | QP       | L1   | GND |
| 18.019500        | 35.10         | 10.6         | 60            | 24.9         | QP       | L1   | GND |

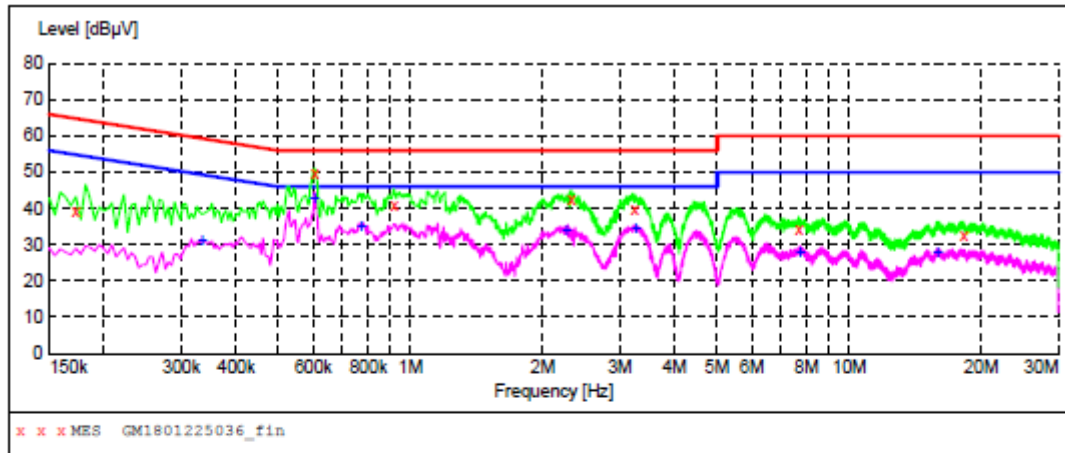
**MEASUREMENT RESULT: "GM1801225037\_fin2"**

1/22/2018 3:29PM

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.325500         | 32.20         | 9.9          | 50            | 17.4         | AV       | L1   | GND |
| 0.604500         | 42.30         | 10.0         | 46            | 3.7          | AV       | L1   | GND |
| 0.699000         | 33.80         | 10.0         | 46            | 12.2         | AV       | L1   | GND |
| 3.039000         | 32.60         | 10.1         | 46            | 13.4         | AV       | L1   | GND |
| 3.156000         | 33.00         | 10.1         | 46            | 13.0         | AV       | L1   | GND |
| 13.605000        | 30.40         | 10.5         | 50            | 19.6         | AV       | L1   | GND |
| 15.972000        | 30.30         | 10.5         | 50            | 19.7         | AV       | L1   | GND |

Test Line:

N

**MEASUREMENT RESULT: "GM1801225036\_fin"**

1/22/2018 3:26PM

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.172500         | 39.10         | 10.0         | 65            | 25.7         | QP       | N    | GND |
| 0.604500         | 49.90         | 10.0         | 56            | 6.1          | QP       | N    | GND |
| 0.919500         | 41.00         | 10.0         | 56            | 15.0         | QP       | N    | GND |
| 2.328000         | 42.40         | 10.1         | 56            | 13.6         | QP       | N    | GND |
| 3.246000         | 40.00         | 10.1         | 56            | 16.0         | QP       | N    | GND |
| 7.687500         | 34.10         | 10.3         | 60            | 25.9         | QP       | N    | GND |
| 18.249000        | 32.50         | 10.6         | 60            | 27.5         | QP       | N    | GND |

**MEASUREMENT RESULT: "GM1801225036\_fin2"**

1/22/2018 3:26PM

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.334500         | 31.40         | 9.9          | 49            | 17.9         | AV       | N    | GND |
| 0.604500         | 43.00         | 10.0         | 46            | 3.0          | AV       | N    | GND |
| 0.771000         | 35.30         | 10.0         | 46            | 10.7         | AV       | N    | GND |
| 2.260500         | 34.50         | 10.1         | 46            | 11.5         | AV       | N    | GND |
| 3.259500         | 34.80         | 10.1         | 46            | 11.2         | AV       | N    | GND |
| 7.728000         | 28.40         | 10.3         | 50            | 21.6         | AV       | N    | GND |
| 15.931500        | 28.20         | 10.5         | 50            | 21.8         | AV       | N    | GND |

### 5.3. Spurious Emissions (radiated)

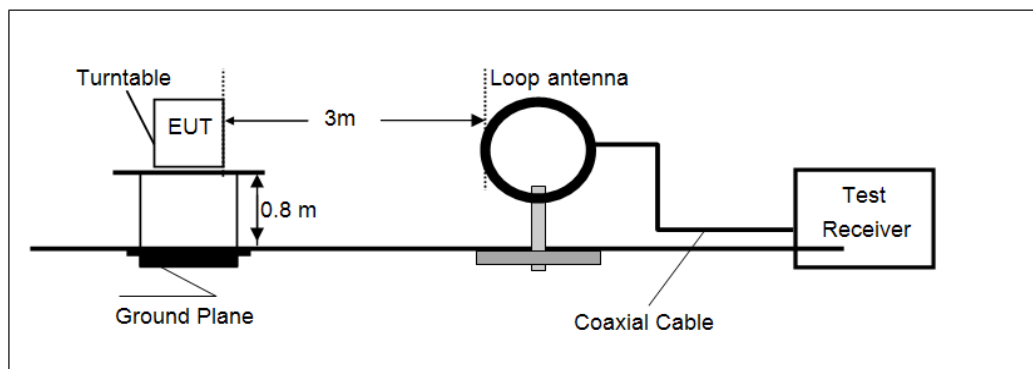
#### LIMIT

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

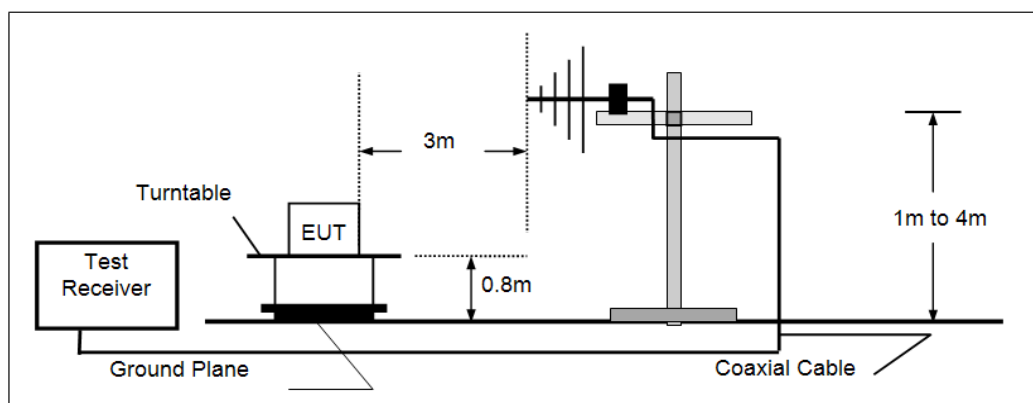
| Frequency     | Limit (dBuV/m @3m) | Value      |
|---------------|--------------------|------------|
| 30MHz-88MHz   | 40.00              | Quasi-peak |
| 88MHz-216MHz  | 43.50              | Quasi-peak |
| 216MHz-960MHz | 46.00              | Quasi-peak |
| 960MHz-1GHz   | 54.00              | Quasi-peak |
| Above 1GHz    | 54.00              | Average    |
|               | 74.00              | Peak       |

#### TEST CONFIGURATION

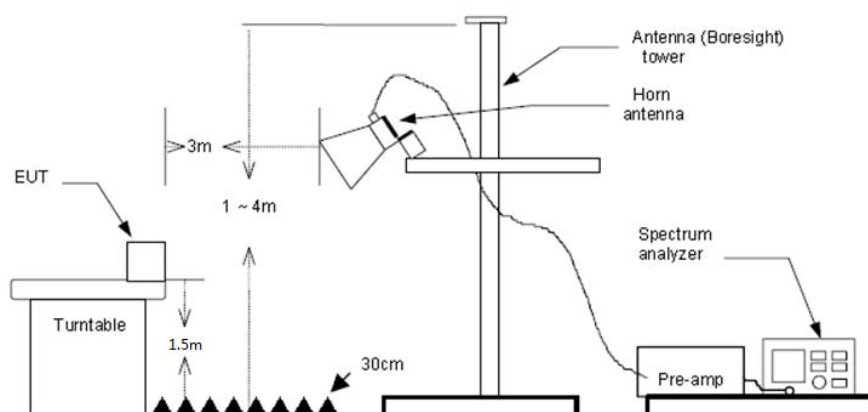
##### ➤ 9kHz ~30MHz



##### ➤ 30MHz ~ 1GHz



##### ➤ Above 1GHz



**TEST PROCEDURE**

1. The EUT was tested according to ANSI C63.10:2013 for compliance to FCC 47CFR 15.247 requirements.
2. The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna.
5. Use the following spectrum analyzer settings
  - (1) Span shall wide enough to fully capture the emission being measured;
  - (2) Below 1GHz, RBW=120kHz, VBW=300kHz, 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.
  - (3) Above 1GHz, 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**

Note:

- 1) Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- 2) The emission levels of other frequencies are very lower than the limit and not show in test report.

➤ **9kHz ~ 30MHz**

The EUT was pre-scanned the frequency band (9kHz~30MHz), found the radiated level lower than the limit, so don't show on the report.

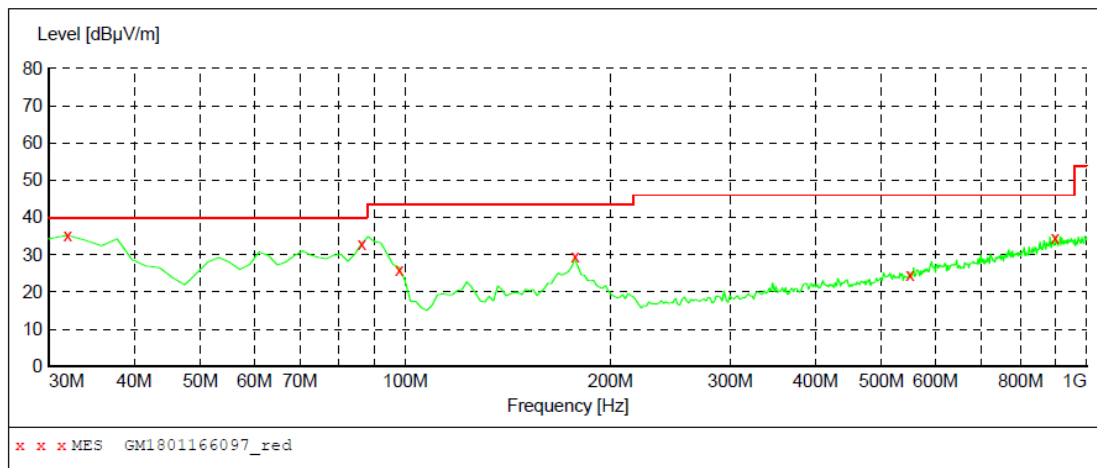
➤ **30MHz ~1000MHz**

Have pre-scan all modulation mode, found the 802.11b mode CH01 which it was worst case, so only the worst case's data on the test report.

## ➤ 30MHz ~ 1GHz

Polarization:

Vertical

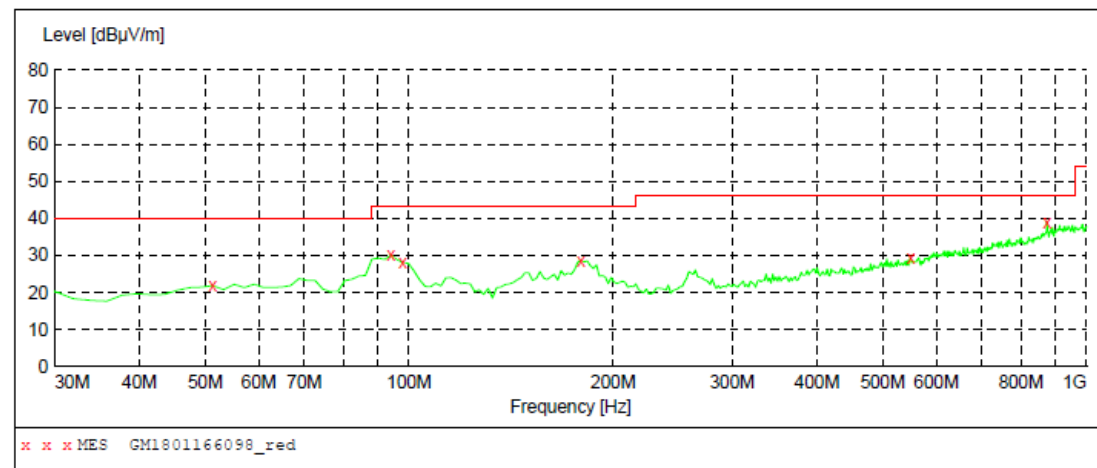
**MEASUREMENT RESULT: "GM1801166097\_red"**

1/16/2018 4:55PM

| Frequency<br>MHz | Level<br>dBμV/m | Transd<br>dB | Limit<br>dBμV/m | Margin<br>dB | Det. | Height<br>cm | Azimuth<br>deg | Polarization |
|------------------|-----------------|--------------|-----------------|--------------|------|--------------|----------------|--------------|
| 31.940000        | 34.40           | -13.2        | 40.0            | 5.6          | QP   | 100.0        | 209.00         | VERTICAL     |
| 86.260000        | 32.10           | -14.1        | 40.0            | 7.9          | QP   | 100.0        | 289.00         | VERTICAL     |
| 97.900000        | 29.80           | -10.8        | 43.5            | 13.7         | QP   | 100.0        | 330.00         | VERTICAL     |
| 177.440000       | 31.90           | -12.5        | 43.5            | 11.6         | QP   | 100.0        | 289.00         | VERTICAL     |
| 549.920000       | 28.40           | -0.8         | 46.0            | 17.6         | QP   | 100.0        | 289.00         | VERTICAL     |
| 899.120000       | 38.20           | 6.7          | 46.0            | 7.8          | QP   | 100.0        | 180.00         | VERTICAL     |

Polarization:

Horizontal

**MEASUREMENT RESULT: "GM1801166098\_red"**

1/16/2018 5:02PM

| Frequency<br>MHz | Level<br>dBμV/m | Transd<br>dB | Limit<br>dBμV/m | Margin<br>dB | Det. | Height<br>cm | Azimuth<br>deg | Polarization |
|------------------|-----------------|--------------|-----------------|--------------|------|--------------|----------------|--------------|
| 51.340000        | 21.90           | -8.8         | 40.0            | 18.1         | QP   | 300.0        | 126.00         | HORIZONTAL   |
| 94.020000        | 30.10           | -11.7        | 43.5            | 13.4         | QP   | 300.0        | 126.00         | HORIZONTAL   |
| 97.900000        | 28.10           | -10.8        | 43.5            | 15.4         | QP   | 300.0        | 141.00         | HORIZONTAL   |
| 179.380000       | 28.70           | -12.3        | 43.5            | 14.8         | QP   | 100.0        | 262.00         | HORIZONTAL   |
| 549.920000       | 29.20           | -0.8         | 46.0            | 16.8         | QP   | 100.0        | 175.00         | HORIZONTAL   |
| 873.900000       | 39.00           | 6.1          | 46.0            | 7.0          | QP   | 100.0        | 249.00         | HORIZONTAL   |

## 6. TEST SETUP PHOTOS

### Conducted Emissions

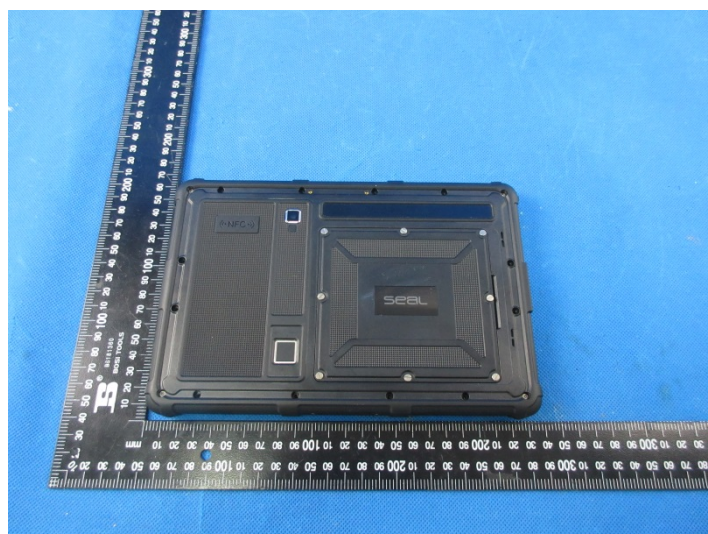
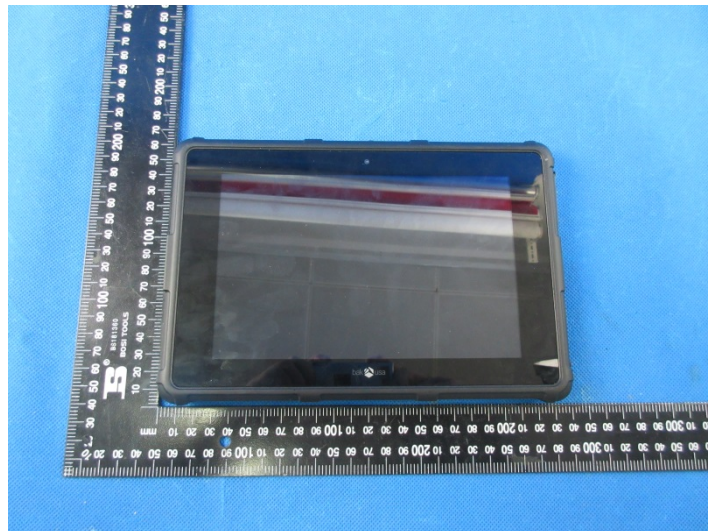


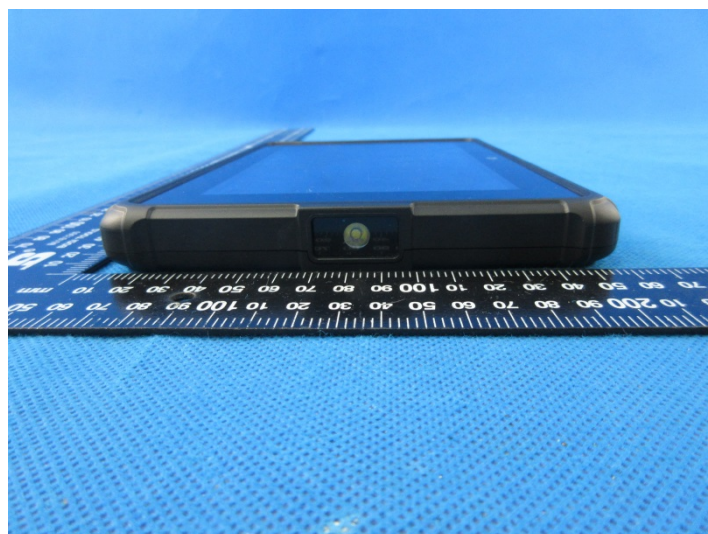
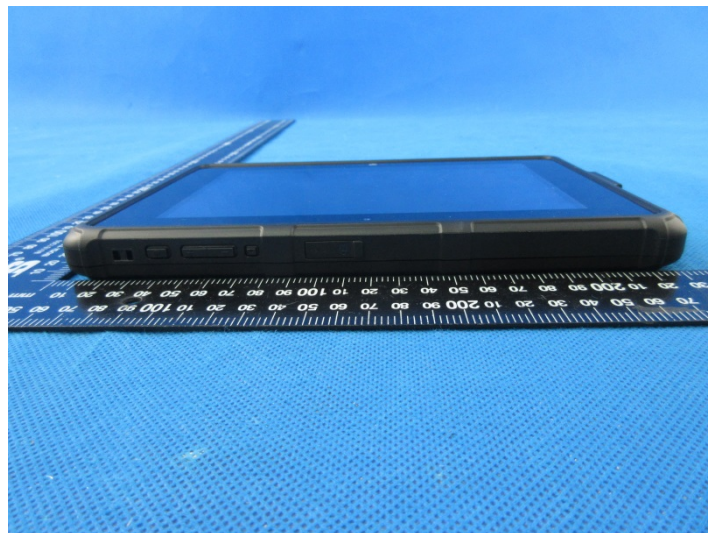
### Radiated Emissions

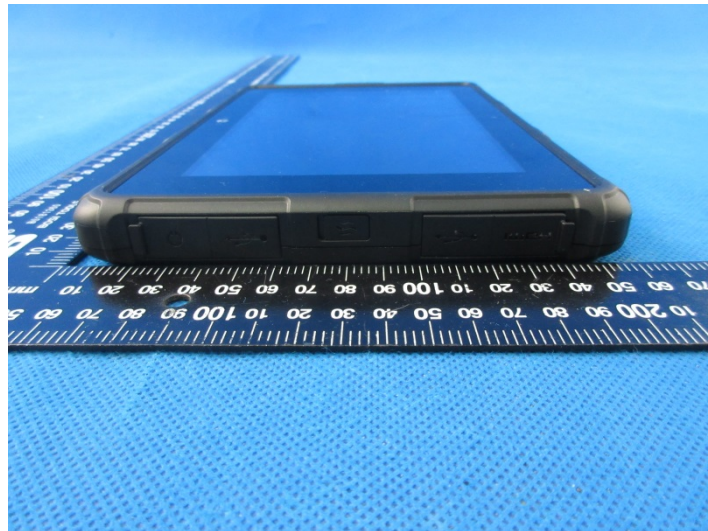


## 7. EXTERNAL AND INTERNAL PHOTOS

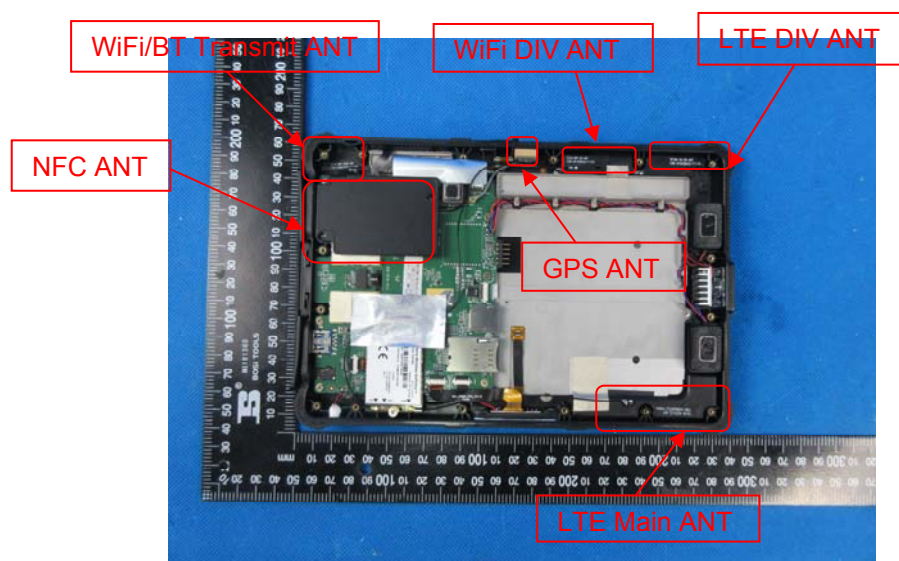
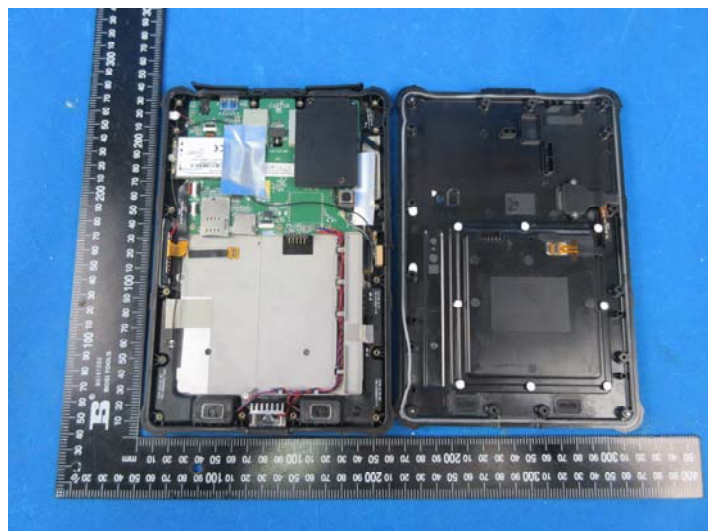
### External photos of the EUT



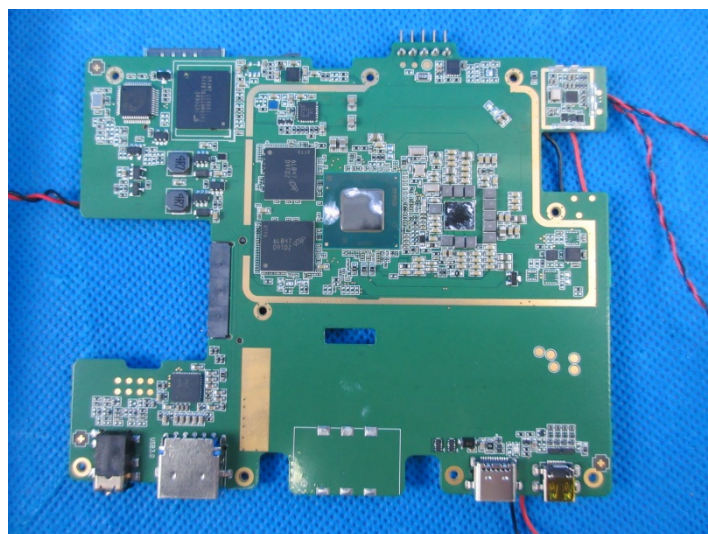
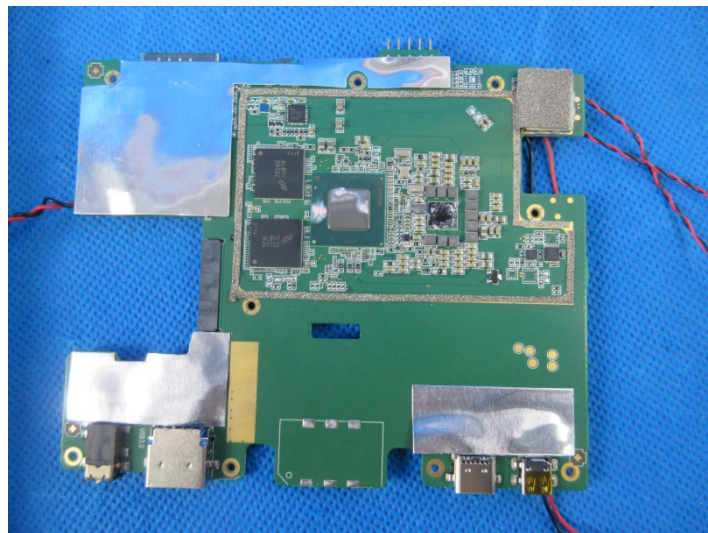
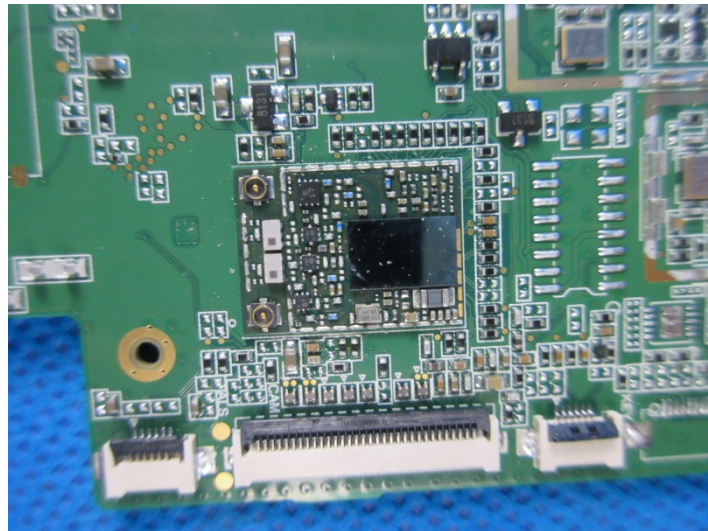


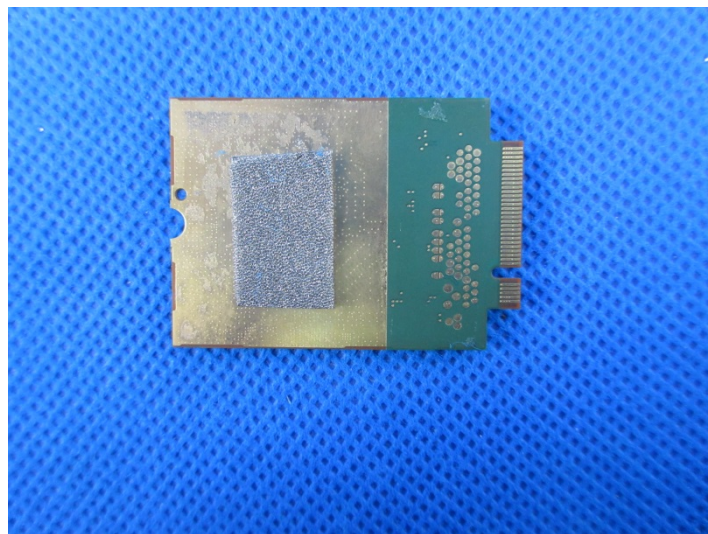


### Internal photos of the EUT











.....End of Report.....