

## FCC TEST REPORT

### 47 CFR FCC Part 15 Subpart B

Report Reference No.....: **A1407096052-JBP**

FCC ID.....: **2ACWO-TM7**

Compiled by

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Date of issue.....: July,26 2014

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Testing Laboratory Name .....: Dongguan Dongdian Testing Service Co.,Ltd

Address .....: No.17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City, Guangdong Province, China

Applicant's name.....: **AURA TECHNOLOGY LIMITED**

Address .....: FLAT/RM810, Star House, 3 Salisbury Road, Tsimshatsui, Hong Kong

Test specification .....

Standard .....: **47 CFR FCC Part 15 Subpart B - Unintentional Radiators**  
**ANSI C63.4: 2009**

TRF Originator.....: Shenzhen CTL Electron Technology Co., Ltd.

Master TRF.....: Dated 2012-06

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Test item description .....: Telpad

Trade Mark .....: /

Model/Type reference.....: TM7

Listed Models .....: /

Manufacturer .....: SHENZHEN KWANG SUNG ELECTRONICS CO.,LTD

Rating .....: DC 3.7V

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

**TEST REPORT**

|                                                 |                               |
|-------------------------------------------------|-------------------------------|
| <b>Test Report No. :</b> <b>A1407096052-JBP</b> | July,26 2014<br>Date of issue |
|-------------------------------------------------|-------------------------------|

Equipment under Test                      :            Telpad

Model /Type                                        :            TM7

Listed Models                                        :            /

Applicant                                                :            AURA TECHNOLOGY LIMITED

Address                                                :            FLAT/RM810, Star House, 3 Salisbury Road, Tsimshatsui,  
Hong Kong

Manufacturer                                                :            SHENZHEN KWANG SUNG ELECTRONICS CO.,LTD

Address                                                :            Shitoushan Industrial Zone, Shi Yan Town, Baoan District,  
Shenzhen, PRC

|                    |             |
|--------------------|-------------|
| <b>Test Result</b> | <b>PASS</b> |
|--------------------|-------------|

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

## Contents

|           |                                                             |                  |
|-----------|-------------------------------------------------------------|------------------|
| <b>1.</b> | <b><u>TEST STANDARDS .....</u></b>                          | <b><u>4</u></b>  |
| <b>2.</b> | <b><u>SUMMARY .....</u></b>                                 | <b><u>5</u></b>  |
| 2.1.      | General Remarks                                             | 5                |
| 2.2.      | Product Description                                         | 5                |
| 2.3.      | Equipment Under Test                                        | 5                |
| 2.4.      | EUT operation mode                                          | 5                |
| 2.5.      | Related Submittal(s) / Grant (s)                            | 5                |
| 2.6.      | Modifications                                               | 5                |
| 2.7.      | EUT configuration                                           | 6                |
| 2.8.      | Configuration of Tested System                              | 6                |
| 2.9.      | NOTE                                                        | 7                |
| <b>3.</b> | <b><u>TEST ENVIRONMENT .....</u></b>                        | <b><u>7</u></b>  |
| 3.1.      | Address of the test laboratory                              | 7                |
| 3.2.      | Test Facility                                               | 7                |
| 3.3.      | Environmental conditions                                    | 7                |
| 3.4.      | Statement of the measurement uncertainty                    | 7                |
| 3.5.      | Equipments Used during the Test                             | 8                |
| <b>4.</b> | <b><u>TEST CONDITIONS AND RESULTS .....</u></b>             | <b><u>9</u></b>  |
| 4.1.      | Conducted Emissions Test                                    | 9                |
| 4.2.      | Radiated Emission Test                                      | 12               |
| <b>5.</b> | <b><u>TEST SETUP PHOTOS OF THE EUT .....</u></b>            | <b><u>16</u></b> |
| <b>6.</b> | <b><u>EXTERNAL AND INTERNAL PHOTOS OF THE EUT .....</u></b> | <b><u>17</u></b> |

## **1. TEST STANDARDS**

The tests were performed according to following standards:

[47 CFR FCC Part 15 Subpart B](#) - Unintentional Radiators

[ANSI C63.4: 2009](#) – American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40GHz

## 2. SUMMARY

### 2.1. General Remarks

|                                |   |               |
|--------------------------------|---|---------------|
| Date of receipt of test sample | : | July 15, 2014 |
|                                |   |               |
| Testing commenced on           | : | July 15, 2014 |
|                                |   |               |
| Testing concluded on           | : | July 26, 2014 |

### 2.2. Product Description

The **AURA TECHNOLOGY LIMITED**'s Model: TM7 or the "EUT" as referred to in this report; more general information as follows, for more details, refer to the user's manual of the EUT.

|                                   |                                                                                                                                                                                         |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name of EUT                       | Telpad                                                                                                                                                                                  |
| Model Number                      | TM7                                                                                                                                                                                     |
| FCC ID                            | 2ACWO-TM7                                                                                                                                                                               |
| WLAN                              | Supported 802.11b/802.11g/802.11n                                                                                                                                                       |
| Bluetooth                         | Supported BT v2.1+EDR                                                                                                                                                                   |
| Antenna Type                      | Internal                                                                                                                                                                                |
| WLAN FCC Operation frequency      | IEEE 802.11b: 2412MHz—2462MHz<br>IEEE 802.11g: 2412MHz—2462MHz<br>IEEE 802.11n HT20: 2412MHz—2462MHz<br>IEEE 802.11n HT40: 2422MHz—2452MHz                                              |
| Bluetooth FCC Operation frequency | 2402MHz-2480MHz                                                                                                                                                                         |
| WLAN Modulation                   | IEEE 802.11b: DSSS(CCK,DBPSK)<br>IEEE 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK)<br>IEEE 802.11n HT20: OFDM (64QAM, 16QAM, QPSK,BPSK)<br>IEEE 802.11n HT40: OFDM (64QAM, 16QAM, QPSK,BPSK) |
| Bluetooth Modulation              | GFSK,8DPSK, $\pi$ /4DQPSK                                                                                                                                                               |
| Android Version                   | Android 4.1.1                                                                                                                                                                           |

### 2.3. Equipment Under Test

#### Power supply system utilised

|                      |   |                                                                   |                                   |
|----------------------|---|-------------------------------------------------------------------|-----------------------------------|
| Power supply voltage | : | <input type="radio"/> 120V / 60 Hz                                | <input type="radio"/> 115V / 60Hz |
|                      |   | <input type="radio"/> 12 V DC                                     | <input type="radio"/> 24 V DC     |
|                      |   | <input checked="" type="radio"/> Other (specified in blank below) |                                   |

DC 3.70V/DC 5V From Adapter AC 120V/60Hz

### 2.4. EUT operation mode

The EUT has been tested under typical operating condition.

### 2.5. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for **FCC ID: 2ACWO-TM7** filing to comply with the FCC Part 15, Subpart B Rules.

### 2.6. Modifications

No modifications were implemented to meet testing criteria.

## 2.7. EUT configuration

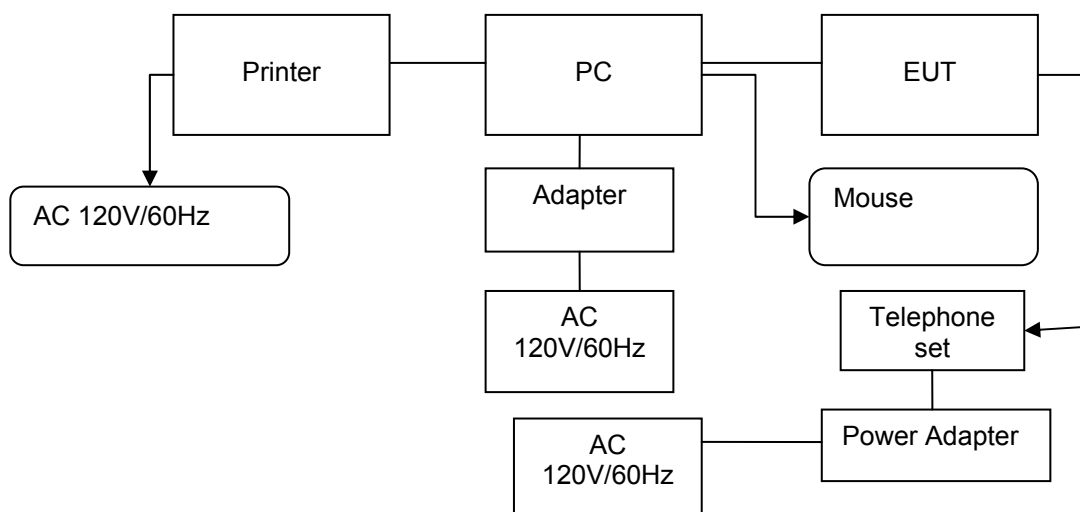
The following peripheral devices and interface cables were connected during the measurement:

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

|   |                                 |              |                                 |
|---|---------------------------------|--------------|---------------------------------|
| ● | Power Adaptor                   | Model No.:   | JHD-AP012U-050210AB             |
|   |                                 | Manufacturer | Shenzhen Jihongda Power Co.,Ltd |
| ● | Charge cable for telephone base | Length (m) : | 1.5                             |
|   |                                 | Shield :     | Shielded                        |
|   |                                 | Detachable : | Detachable                      |
| ● | Charge cable for MID            | Length (m) : | 1.5                             |
|   |                                 | Shield :     | Shielded                        |
|   |                                 | Detachable : | Detachable                      |
| ● | Data cable for MID              | Length (m) : | 0.8                             |
|   |                                 | Shield :     | Shielded                        |
|   |                                 | Detachable : | Detachable                      |
| ● | Telephone Line*2                | Length (m) : | 1.5                             |
|   |                                 | Shield :     | Un-shielded                     |
|   |                                 | Detachable : | Detachable                      |
| ● | HDMI Connector                  | Length (m) : | 0.35                            |
|   |                                 | Shield :     | Shielded                        |
|   |                                 | Detachable : | Detachable                      |

## 2.8. Configuration of Tested System

Configuration of Tested System



Equipment Used in Tested System

| No. | Equipment  | Manufacturer | Model No.   | Serial No.   | Length | shielded/unshielded | Notes |
|-----|------------|--------------|-------------|--------------|--------|---------------------|-------|
| 1   | PC         | DELL         | VOSTRO 2420 | 54Q4BV1      | /      | /                   | DOC   |
| 2   | Printer    | ESPON        | C3990       | C3990A       | /      | /                   | DOC   |
| 3   | Mouse      | DELL         | MO56UO A    | G0E02SY7     | 1.00m  | unshielded          | DOC   |
| 4   | Adapter    | DELL         | LA90PM1 11  | 06KXKH-72438 | 1.50m  | unshielded          | DOC   |
| 5   | Power line | /            | /           | N/A          | 1.00m  | unshielded          | N/A   |

## 2.9. NOTE

1. The EUT is a Telpad with WLAN and Bluetooth function, The functions of the EUT listed as below:

|           | Test Standards           | Reference Report |
|-----------|--------------------------|------------------|
| WLAN      | FCC Part 15 Subpart C    | A1407096052-RW   |
| Bluetooth | FCC Part 15 Subpart C    | A1407096052-RB   |
| JBP       | FCC Part 15 Subpart B    | A1407096052-JBP  |
| SAR       | FCC Per 47 CFR 2.1093(d) | A1407096052-SAR  |

## 3. TEST ENVIRONMENT

### 3.1. Address of the test laboratory

**Dongguan Dongdian Testing Service Co., Ltd**

No.17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City, Guangdong Province, China

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 (2003) and CISPR Publication 22.

### 3.2. Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

#### IC Registration No.: 10288A-1

The 3m alternate test site of Dongguan Dongdian Testing Service Co.,Ltd EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration No.: 10288A-1 on Mar, 2012.

#### FCC-Registration No.: 270092

Dongguan Dongdian Testing Service 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. Registration 270092, Mar 06, 2012.

### 3.3. Environmental conditions

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

|                       |              |
|-----------------------|--------------|
| Temperature:          | 15-35 ° C    |
| Humidity:             | 30-60 %      |
| Atmospheric pressure: | 950-1050mbar |

### 3.4. 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 within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the Dongguan Dongdian Testing Service Co.,Ltd quality system acc. to DIN EN 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.

Hereafter the best measurement capability for Dongguan Dongdian Testing Service Co.,Ltd laboratory is reported:

| Test                  | Range      | Measurement Uncertainty | Notes |
|-----------------------|------------|-------------------------|-------|
| Radiated Emission     | 30~1000MHz | 4.24 dB                 | (1)   |
| Radiated Emission     | 1~18GHz    | 5.16 dB                 | (1)   |
| Radiated Emission     | 18-40GHz   | 5.54 dB                 | (1)   |
| Conducted Disturbance | 0.15~30MHz | 3.39 dB                 | (1)   |

- (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .

### 3.5. Equipments Used during the Test

| Radiated Emission |                            |               |             |              |            |
|-------------------|----------------------------|---------------|-------------|--------------|------------|
| Item              | Test Equipment             | Manufacturer  | Model No.   | Serial No.   | Last Cal.  |
| 1                 | Ultra-Broadband Antenna    | ShwarzBeck    | VULB9163    | 462          | 2013/11/26 |
| 2                 | EMI TEST RECEIVER          | Rohde&Schwarz | ESU8        | 100316       | 2013/11/13 |
| 3                 | EMI TEST Software          | Audix         | E3          | N/A          | N/A        |
| 4                 | Horn Antenna               | EMCO          | 3116        | 00060095     | 2013/11/16 |
| 5                 | Pre-Amplifier              | Rohde&Schwarz | SCU-01      | 10049        | 2013/11/26 |
| 6                 | Pre-Amplifier              | A.H.          | PAM0-0118   | 360          | 2013/11/16 |
| 7                 | Pre-Amplifier              | A.H.          | PAM-1840VH  | 562          | 2013/11/16 |
| 8                 | Double Ridged Horn Antenna | Rohde&Schwarz | HF907       | 100265       | 2013/11/16 |
| 9                 | Active Loop Antenna        | Schwarz beck  | FMZB1519    | 0.38         | 2013/11/16 |
| 10                | Loop Antenna               | Rohde&Schwarz | HFH2-Z2     | 100020       | 2013/10/28 |
| 11                | TURNTABLE                  | MATURO        | TT2.0       | ----         | N/A        |
| 12                | ANTENNA MAST               | MATURO        | TAM-4.0-P   | ----         | N/A        |
| 13                | Spectrum Analyzer          | R&S           | FSU26       | 1166.1660.26 | 2013/11/26 |
| 14                | EMI TEST Software          | Rohde&Schwarz | ES-K1 V1.71 | N/A          | N/A        |

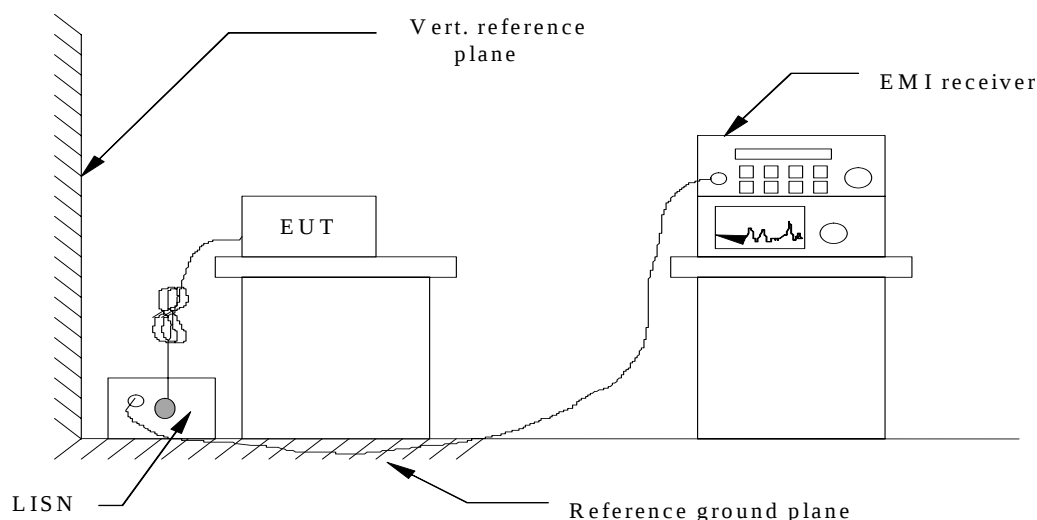
| AC Power Conducted Emission |                   |               |             |            |            |
|-----------------------------|-------------------|---------------|-------------|------------|------------|
| Item                        | Test Equipment    | Manufacturer  | Model No.   | Serial No. | Last Cal.  |
| 1                           | Artificial Mains  | Rohde&Schwarz | ENV216      | 100316     | 2013/11/26 |
| 2                           | EMI Test Receiver | Rohde&Schwarz | ESU8        | 100316     | 2013/11/13 |
| 3                           | Pulse Limiter     | Rohde&Schwarz | ESH3-Z2     | 101242     | 2013/11/26 |
| 4                           | EMI Test Software | Rohde&Schwarz | ES-K1 V1.71 | N/A        | N/A        |

The calibration interval was one year.

## 4. TEST CONDITIONS AND RESULTS

### 4.1. Conducted Emissions Test

#### TEST CONFIGURATION



#### TEST PROCEDURE

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system; a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4-2009.
2. Support equipment, if needed, was placed as per ANSI C63.4-2009.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4-2009.
4. The EUT received DC 5.0 from USB powered from AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
5. All support equipments received AC power from a second LISN, if any.
6. The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.

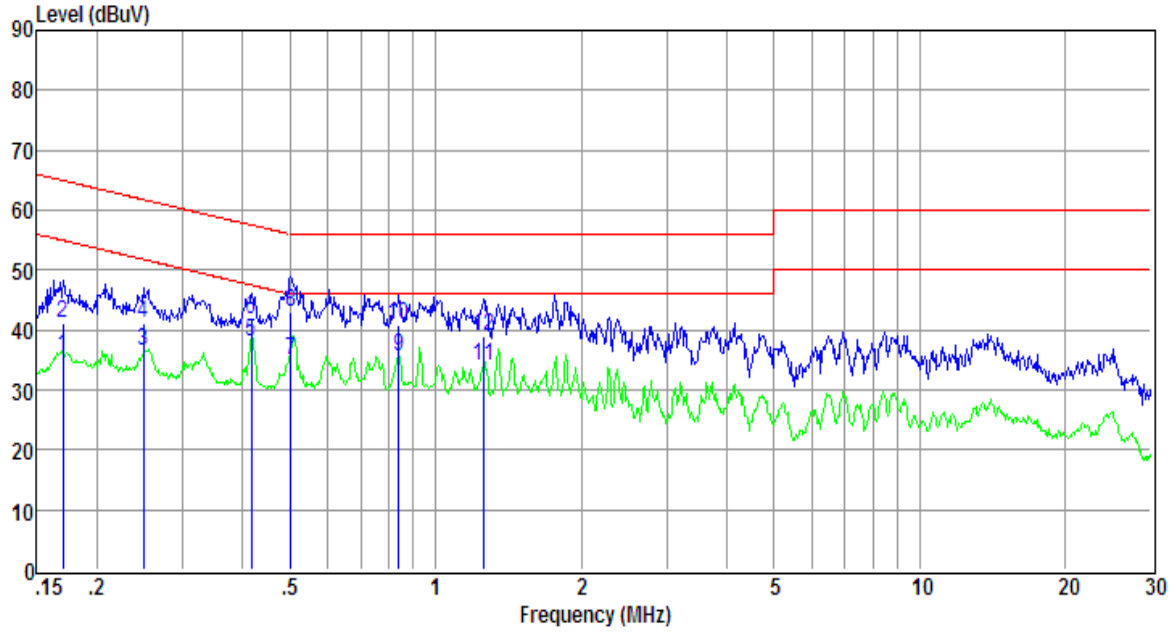
#### CONDUCTED POWER LINE EMISSION LIMIT

For unintentional device, according to § 15.107(a) Line Conducted Emission Limits is as following :

| Frequency<br>(MHz) | Maximum RF Line Voltage (dB $\mu$ V) |      |         |        |
|--------------------|--------------------------------------|------|---------|--------|
|                    | CLASS A                              |      | CLASS B |        |
|                    | Q.P.                                 | Ave. | Q.P.    | Ave.   |
| 0.15 - 0.50        | 79                                   | 66   | 66-56*  | 56-46* |
| 0.50 - 5.00        | 73                                   | 60   | 56      | 46     |
| 5.00 - 30.0        | 73                                   | 60   | 60      | 50     |

\* Decreasing linearly with the logarithm of the frequency

#### TEST RESULTS

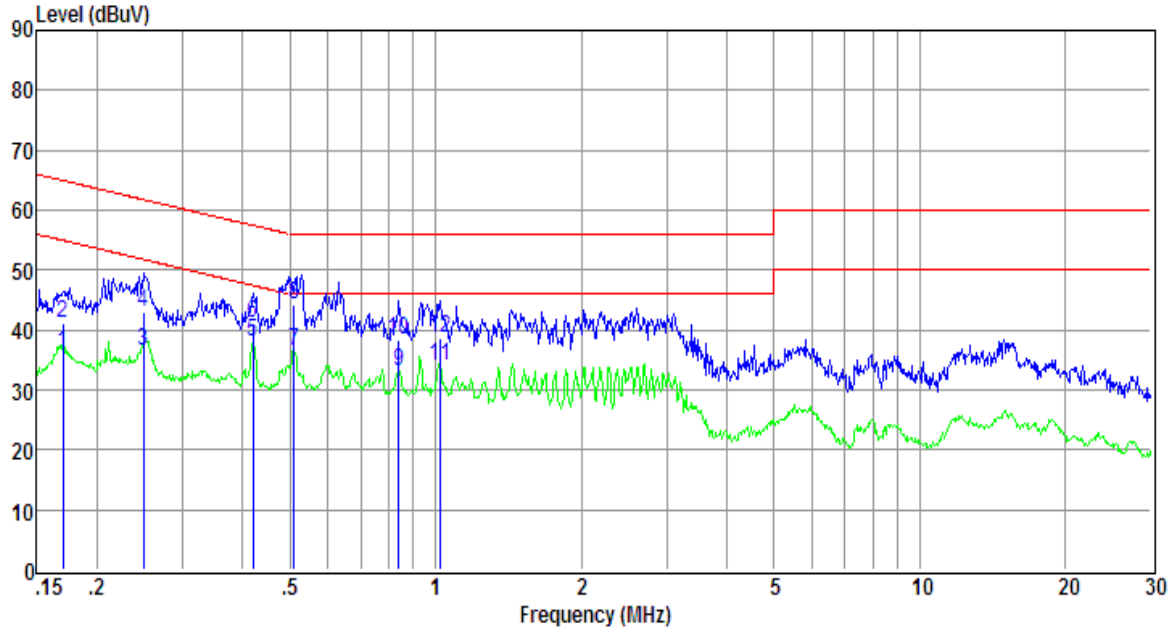


| Item<br>(Mark) | Freq<br>(MHz) | Read<br>Level<br>(dBμV) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Pulse<br>Limiter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV) | Limit<br>Line<br>(dBμV) | Over<br>Limit<br>(dB) | Detector | Phase |
|----------------|---------------|-------------------------|------------------------|-----------------------|------------------------------------|---------------------------|-------------------------|-----------------------|----------|-------|
| 1              | 0.17          | 16.09                   | 9.61                   | 0.01                  | 9.84                               | 35.55                     | 54.94                   | -19.39                | Average  | LINE  |
| 2              | 0.17          | 21.82                   | 9.61                   | 0.01                  | 9.84                               | 41.28                     | 64.94                   | -23.66                | QP       | LINE  |
| 3              | 0.25          | 16.94                   | 9.62                   | 0.02                  | 9.85                               | 36.43                     | 51.78                   | -15.35                | Average  | LINE  |
| 4              | 0.25          | 21.80                   | 9.62                   | 0.02                  | 9.85                               | 41.29                     | 61.78                   | -20.49                | QP       | LINE  |
| 5              | 0.42          | 18.47                   | 9.63                   | 0.03                  | 9.86                               | 37.99                     | 47.51                   | -9.52                 | Average  | LINE  |
| 6              | 0.42          | 22.16                   | 9.63                   | 0.03                  | 9.86                               | 41.68                     | 57.51                   | -15.83                | QP       | LINE  |
| 7              | 0.50          | 15.53                   | 9.63                   | 0.03                  | 9.87                               | 35.06                     | 46.00                   | -10.94                | Average  | LINE  |
| 8              | 0.50          | 23.54                   | 9.63                   | 0.03                  | 9.87                               | 43.07                     | 56.00                   | -12.93                | QP       | LINE  |
| 9              | 0.84          | 16.13                   | 9.62                   | 0.07                  | 9.86                               | 35.68                     | 46.00                   | -10.32                | Average  | LINE  |
| 10             | 0.84          | 21.17                   | 9.62                   | 0.07                  | 9.86                               | 40.72                     | 56.00                   | -15.28                | QP       | LINE  |
| 11             | 1.26          | 14.52                   | 9.62                   | 0.05                  | 9.87                               | 34.06                     | 46.00                   | -11.94                | Average  | LINE  |
| 12             | 1.26          | 19.38                   | 9.62                   | 0.05                  | 9.87                               | 38.92                     | 56.00                   | -17.08                | QP       | LINE  |

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss

2. If QP Result comply with AV limit, AV Result is deemed to comply with AV limit

3. Test setup: RBW: 200Hz(9kHz—150kHz) , 9kHz(150kHz—30MHz), Step size:4kHz, Scan time: auto



| Item<br>(Mark) | Freq<br>(MHz) | Read<br>Level<br>(dBμV) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Pulse<br>Limiter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV) | Limit<br>Line<br>(dBμV) | Over<br>Limit<br>(dB) | Detector | Phase   |
|----------------|---------------|-------------------------|------------------------|-----------------------|------------------------------------|---------------------------|-------------------------|-----------------------|----------|---------|
| 1              | 0.17          | 16.60                   | 9.60                   | 0.01                  | 9.84                               | 36.05                     | 54.94                   | -18.89                | Average  | NEUTRAL |
| 2              | 0.17          | 21.66                   | 9.60                   | 0.01                  | 9.84                               | 41.11                     | 64.94                   | -23.83                | QP       | NEUTRAL |
| 3              | 0.25          | 17.04                   | 9.59                   | 0.02                  | 9.85                               | 36.50                     | 51.78                   | -15.28                | Average  | NEUTRAL |
| 4              | 0.25          | 23.55                   | 9.59                   | 0.02                  | 9.85                               | 43.01                     | 61.78                   | -18.77                | QP       | NEUTRAL |
| 5              | 0.42          | 18.69                   | 9.61                   | 0.03                  | 9.86                               | 38.19                     | 47.46                   | -9.27                 | Average  | NEUTRAL |
| 6              | 0.42          | 21.72                   | 9.61                   | 0.03                  | 9.86                               | 41.22                     | 57.46                   | -16.24                | QP       | NEUTRAL |
| 7              | 0.51          | 17.13                   | 9.61                   | 0.03                  | 9.87                               | 36.64                     | 46.00                   | -9.36                 | Average  | NEUTRAL |
| 8              | 0.51          | 24.59                   | 9.61                   | 0.03                  | 9.87                               | 44.10                     | 56.00                   | -11.90                | QP       | NEUTRAL |
| 9              | 0.84          | 13.65                   | 9.61                   | 0.07                  | 9.86                               | 33.19                     | 46.00                   | -12.81                | Average  | NEUTRAL |
| 10             | 0.84          | 18.77                   | 9.61                   | 0.07                  | 9.86                               | 38.31                     | 56.00                   | -17.69                | QP       | NEUTRAL |
| 11             | 1.02          | 14.41                   | 9.60                   | 0.04                  | 9.87                               | 33.92                     | 46.00                   | -12.08                | Average  | NEUTRAL |
| 12             | 1.02          | 19.30                   | 9.60                   | 0.04                  | 9.87                               | 38.81                     | 56.00                   | -17.19                | QP       | NEUTRAL |

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss

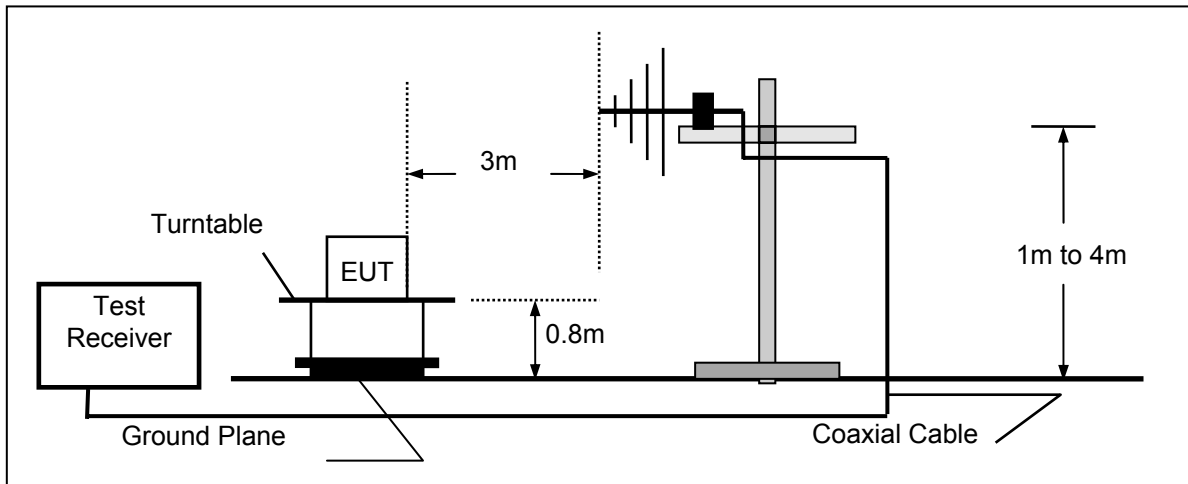
2. If QP Result comply with AV limit, AV Result is deemed to comply with AV limit

3. Test setup: RBW: 200Hz(9kHz—150kHz) , 9kHz(150kHz—30MHz), Step size:4kHz, Scan time: auto

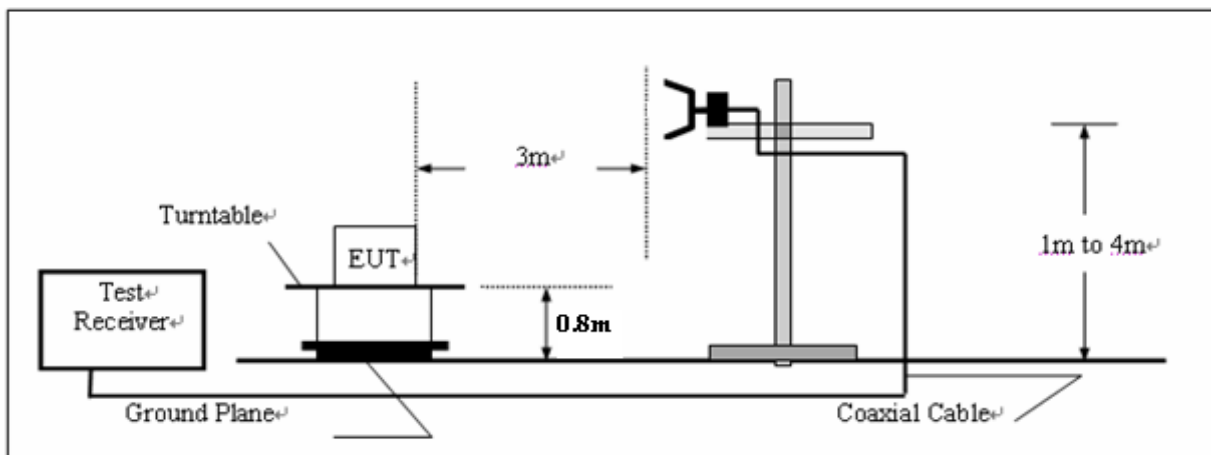
## 4.2. Radiated Emission Test

### TEST CONFIGURATION

#### a) Radiated Emission Test Set-Up, Frequency below 1000MHz



#### b) Radiated Emission Test Set-Up, Frequency above 1000MHz



### TEST PROCEDURE

1. The EUT is placed on a turntable, which is 0.8m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.
7. The maximum operation frequency was 512MHz, the radiated emission test frequency from 30MHz to 18GHz.

**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:

$$FS = RA + AF + CL - AG$$

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

For example

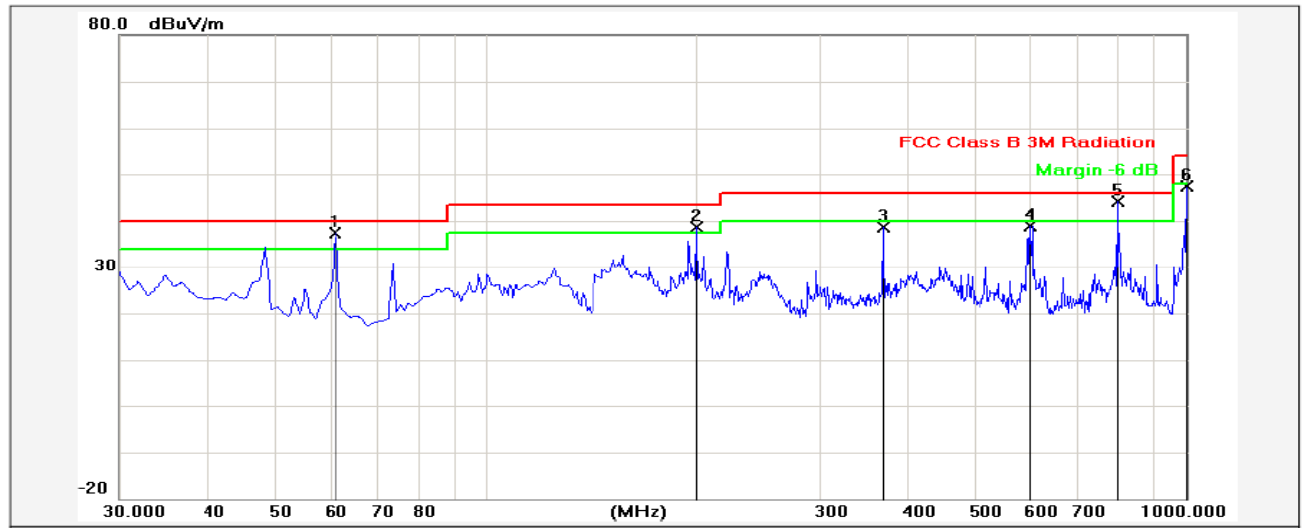
| Frequency (MHz) | FS (dBμV/m) | RA (dBμV/m) | AF (dB) | CL (dB) | AG (dB) | Transd (dB) |
|-----------------|-------------|-------------|---------|---------|---------|-------------|
| 300.00          | 40          | 58.1        | 12.2    | 1.6     | 31.90   | -18.1       |

$$\text{Transd} = \text{AF} + \text{CL} - \text{AG}$$

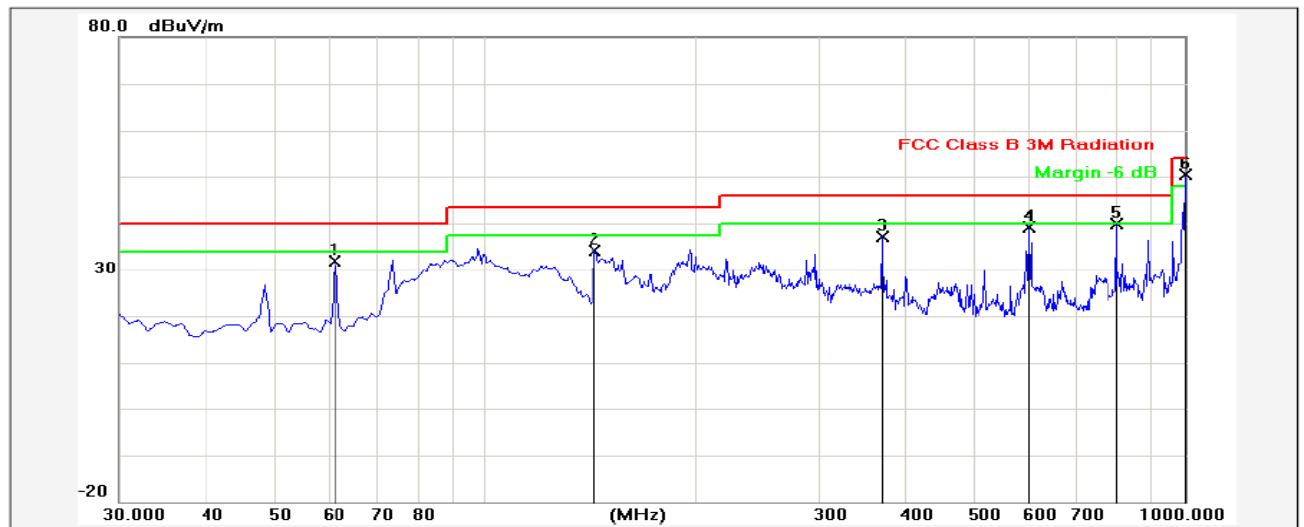
**RADIATION LIMIT**

For unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

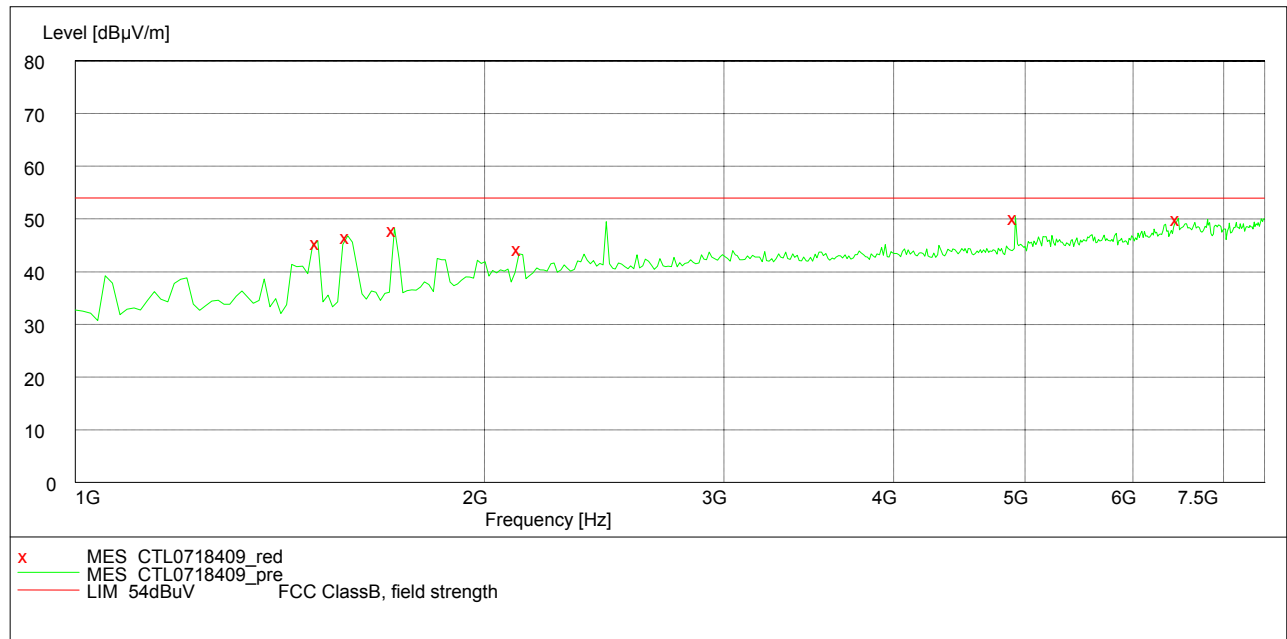
| Frequency (MHz) | Distance (Meters) | Radiated (dBμV/m) | Radiated (μV/m) |
|-----------------|-------------------|-------------------|-----------------|
| 30-88           | 3                 | 40.0              | 100             |
| 88-216          | 3                 | 43.5              | 150             |
| 216-960         | 3                 | 46.0              | 200             |
| Above 960       | 3                 | 54.0              | 500             |

**TEST RESULTS****Horizontal**

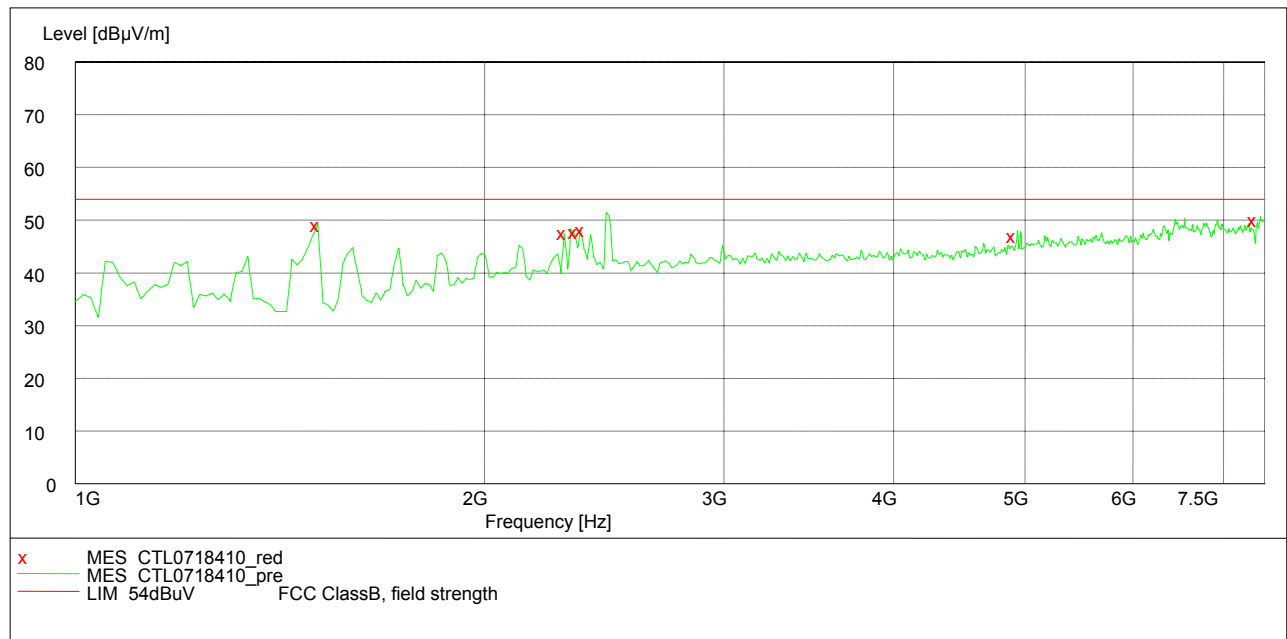
| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1   | 61.0399         | -17.89        | 55.16          | 37.27          | 40.00          | -2.73       | QP       |             |                | P   |        |
| 2   | 199.7500        | -16.87        | 55.41          | 38.54          | 43.50          | -4.96       | QP       |             |                | P   |        |
| 3   | 370.4700        | -13.39        | 52.12          | 38.73          | 46.00          | -7.27       | QP       |             |                | P   |        |
| 4   | 600.3600        | -9.60         | 48.54          | 38.94          | 46.00          | -7.06       | QP       |             |                | P   |        |
| 5   | 800.1799        | -6.28         | 50.34          | 44.06          | 46.00          | -1.94       | QP       |             |                | P   |        |
| 6   | 1000.0000       | -2.46         | 49.84          | 47.38          | 54.00          | -6.62       | QP       |             |                | P   |        |

**Vertical**

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1   | 61.0399         | -17.89        | 49.68          | 31.79          | 40.00          | -8.21       | QP       |             |                | P   |        |
| 2   | 143.4900        | -17.94        | 52.09          | 34.15          | 43.50          | -9.35       | QP       |             |                | P   |        |
| 3   | 370.4700        | -13.39        | 50.47          | 37.08          | 46.00          | -8.92       | QP       |             |                | P   |        |
| 4   | 600.3600        | -9.60         | 48.66          | 39.06          | 46.00          | -6.94       | QP       |             |                | P   |        |
| 5   | 800.1799        | -6.28         | 46.12          | 39.84          | 46.00          | -6.16       | QP       |             |                | P   |        |
| 6   | 1000.0000       | -2.46         | 52.81          | 50.35          | 54.00          | -3.65       | QP       |             |                | P   |        |



| Frequency MHz | Level dBμV/m | Transd dB | Limit dBμV/m | Margin dB | Det. | Height cm | Azimuth deg | Polarization |
|---------------|--------------|-----------|--------------|-----------|------|-----------|-------------|--------------|
| 1508.016032   | 45.80        | -5.9      | 54.0         | 8.2       | Peak | 100.0     | 18.00       | VERTICAL     |
| 1586.172345   | 46.80        | -5.1      | 54.0         | 7.2       | Peak | 100.0     | 270.00      | VERTICAL     |
| 1716.432866   | 48.30        | -3.8      | 54.0         | 5.7       | Peak | 100.0     | 214.00      | VERTICAL     |
| 2121.943888   | 44.50        | 0.8       | 54.0         | 9.5       | Peak | 100.0     | 198.00      | VERTICAL     |
| 4920.841683   | 50.40        | 5.3       | 54.0         | 3.6       | Peak | 100.0     | 198.00      | VERTICAL     |
| 6483.967936   | 50.20        | 9.5       | 54.0         | 3.8       | Peak | 100.0     | 277.00      | VERTICAL     |



| Frequency MHz | Level dBμV/m | Transd dB | Limit dBμV/m | Margin dB | Det. | Height cm | Azimuth deg | Polarization |
|---------------|--------------|-----------|--------------|-----------|------|-----------|-------------|--------------|
| 1508.016032   | 49.40        | -5.9      | 54.0         | 4.6       | Peak | 100.0     | 221.00      | HORIZONTAL   |
| 2361.943888   | 48.50        | 0.8       | 54.0         | 5.5       | Peak | 100.0     | 238.00      | HORIZONTAL   |
| 4907.815631   | 47.30        | 5.2       | 54.0         | 7.0       | Peak | 100.0     | 229.00      | HORIZONTAL   |
| 2333.867735   | 48.00        | 5.3       | 54.0         | 6.0       | Peak | 100.0     | 229.00      | HORIZONTAL   |
| 2289.919840   | 47.80        | 5.4       | 54.0         | 6.8       | Peak | 100.0     | 229.00      | HORIZONTAL   |
| 7382.765531   | 50.20        | 11.0      | 54.0         | 3.8       | Peak | 100.0     | 196.00      | HORIZONTAL   |

## 5. Test Setup Photos of the EUT

Conducted Emission (AC Mains)



Radiated Emission (30MHz-1GHz)



Radiated Emission (1GHz-6GHz)

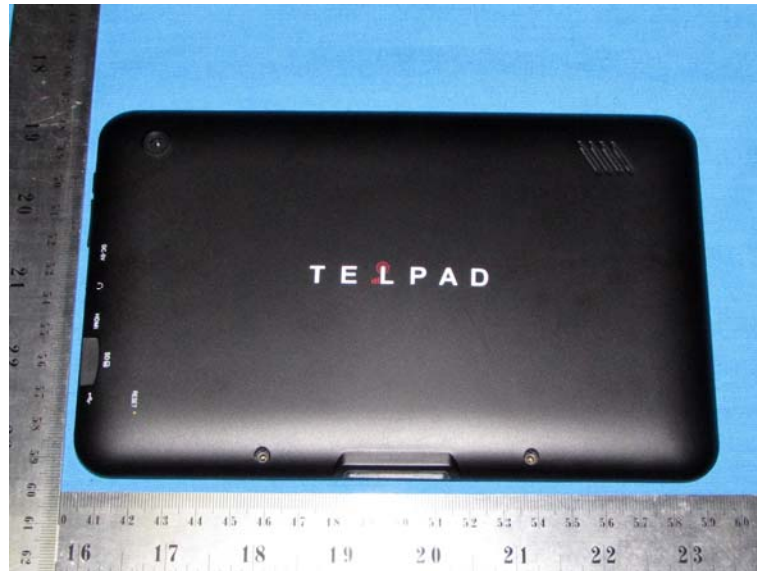


## 6. External and Internal Photos of the EUT

### External Photos



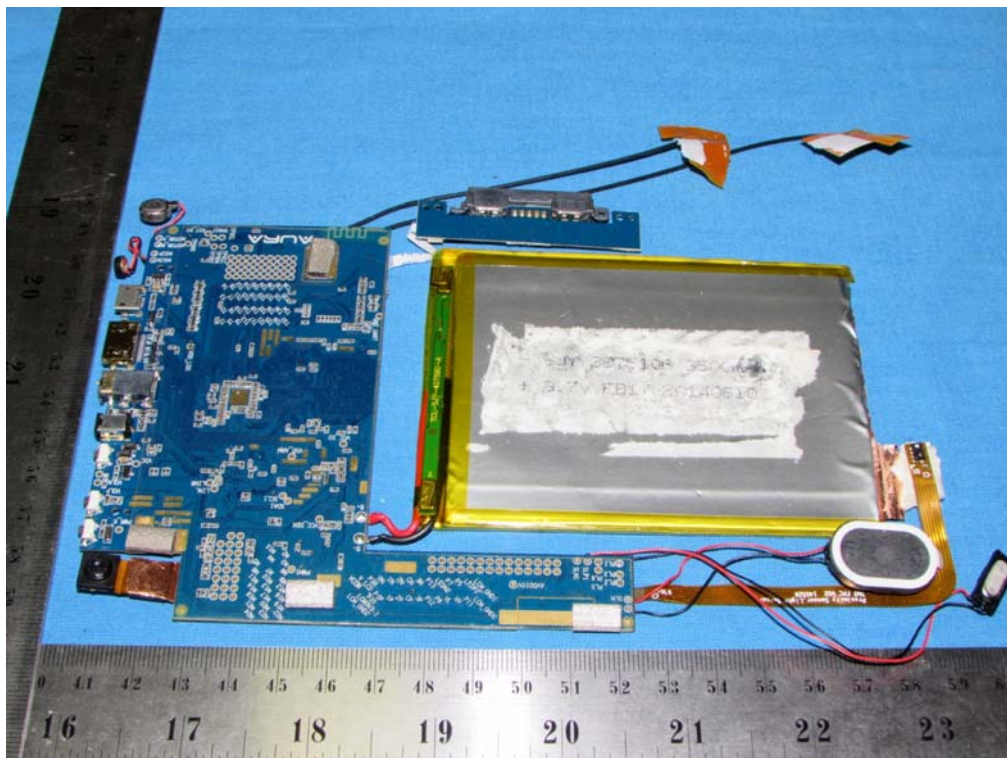
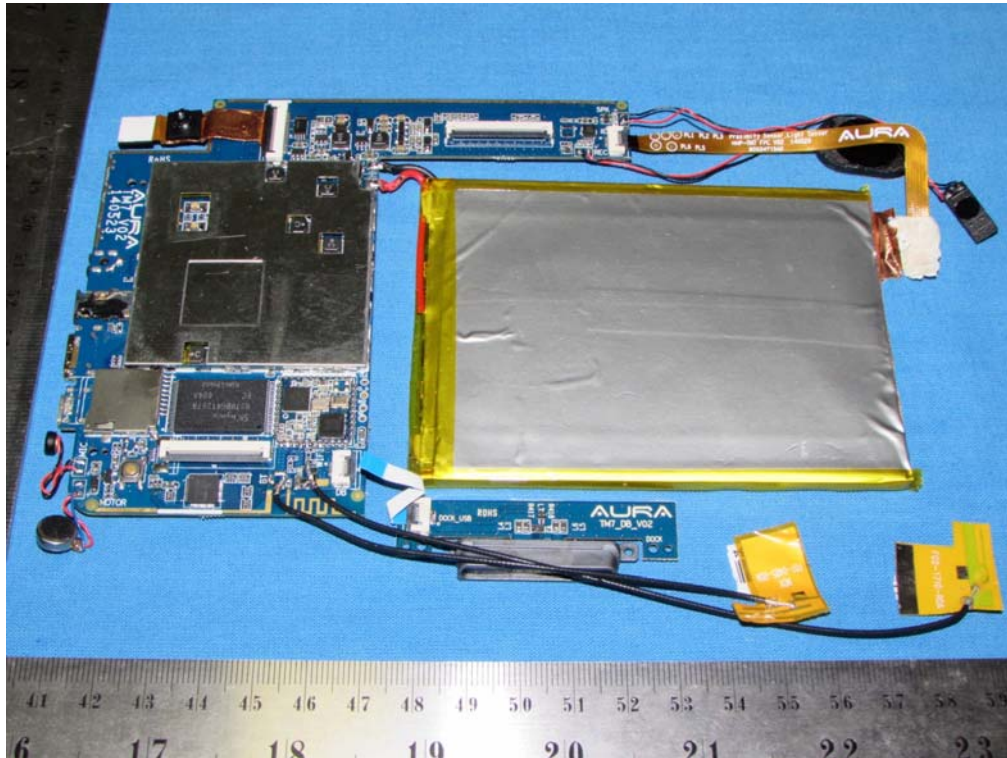


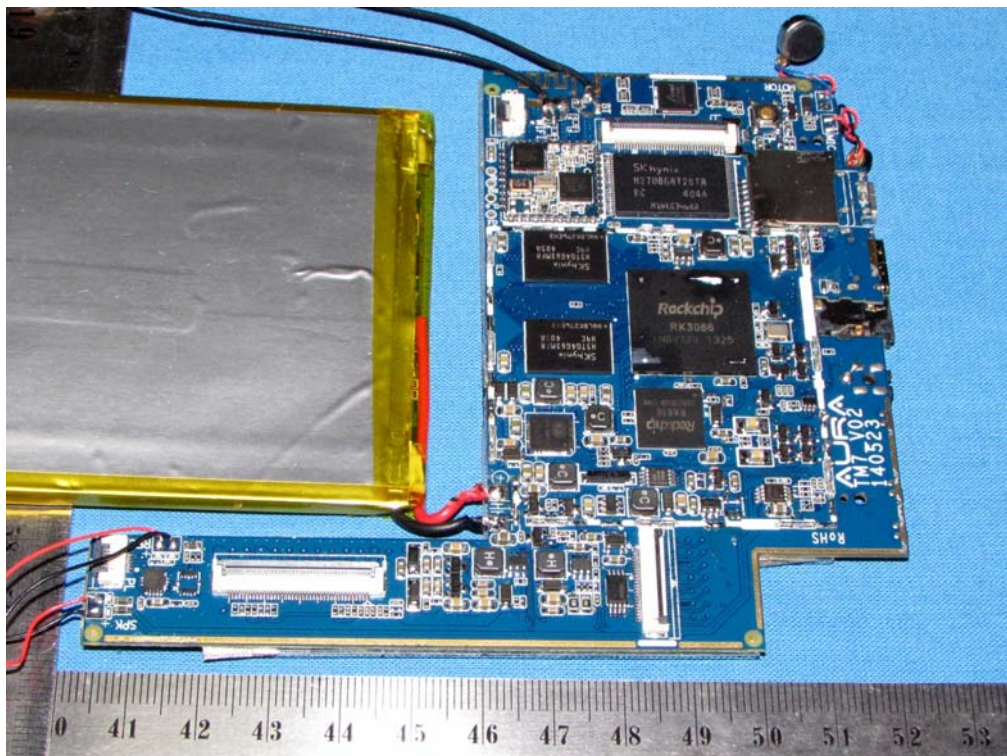
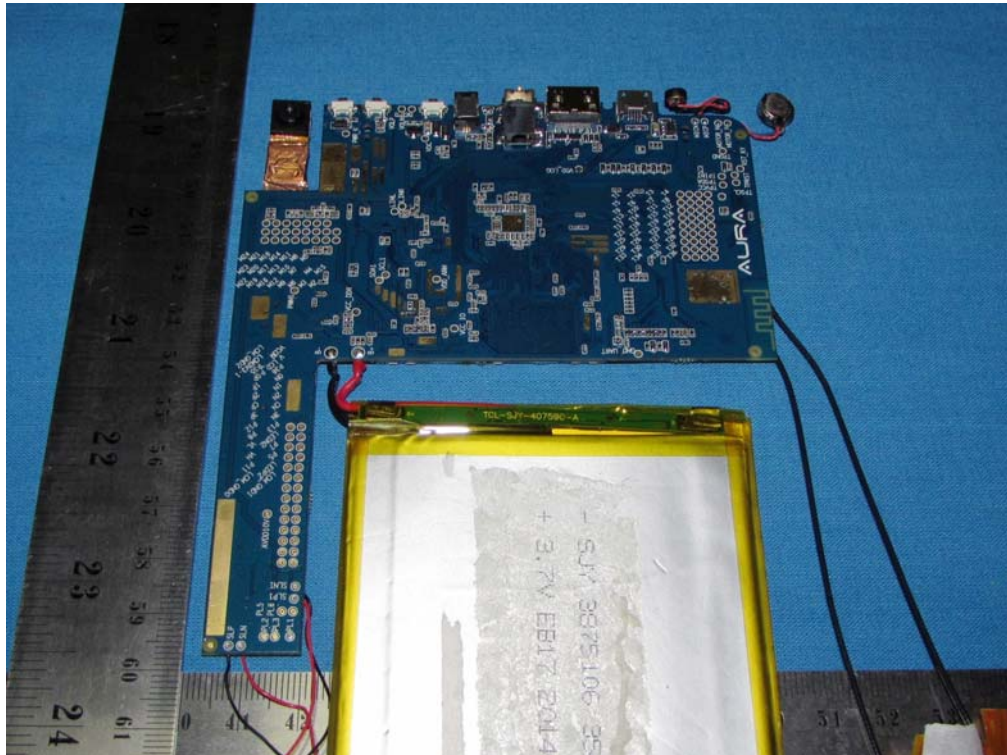


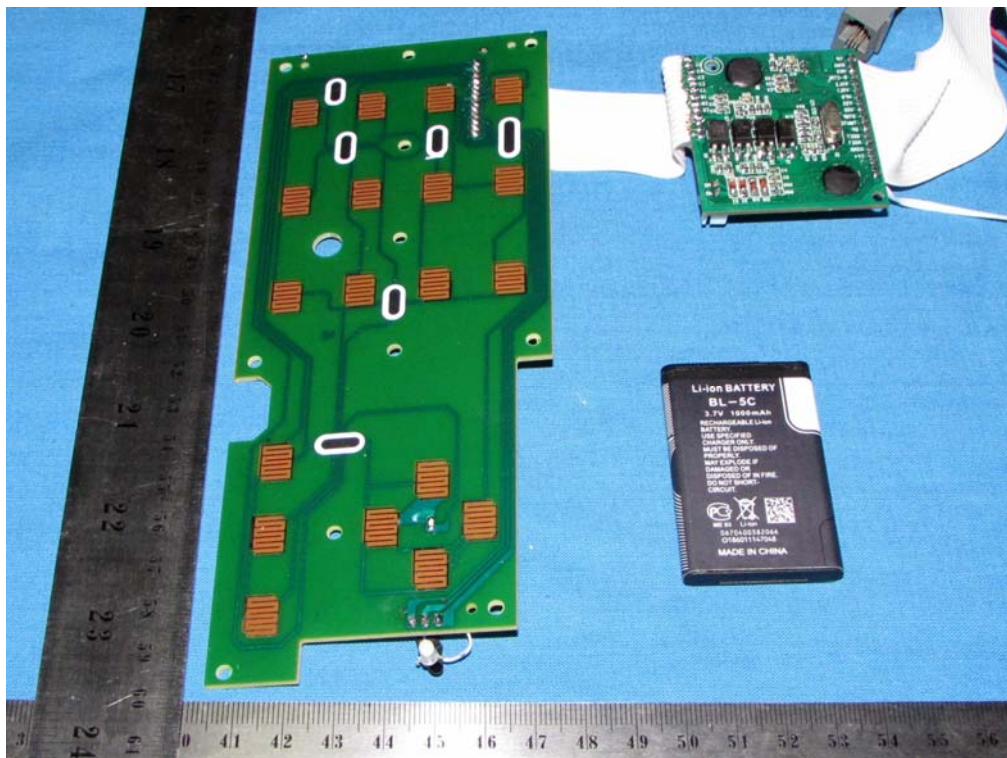


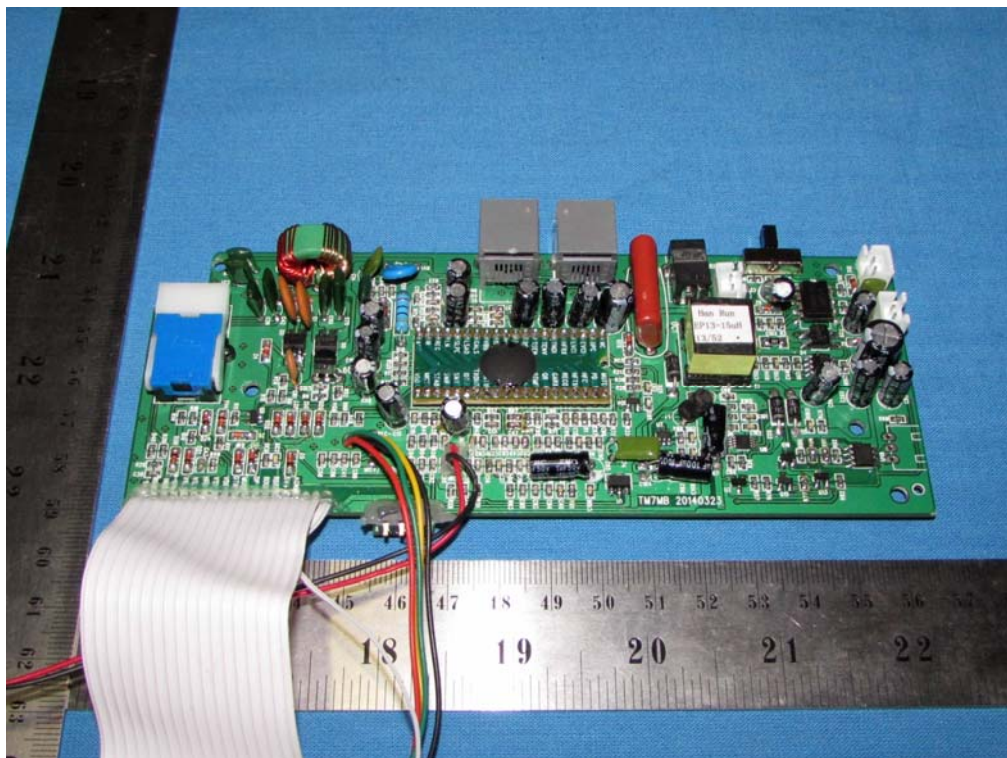
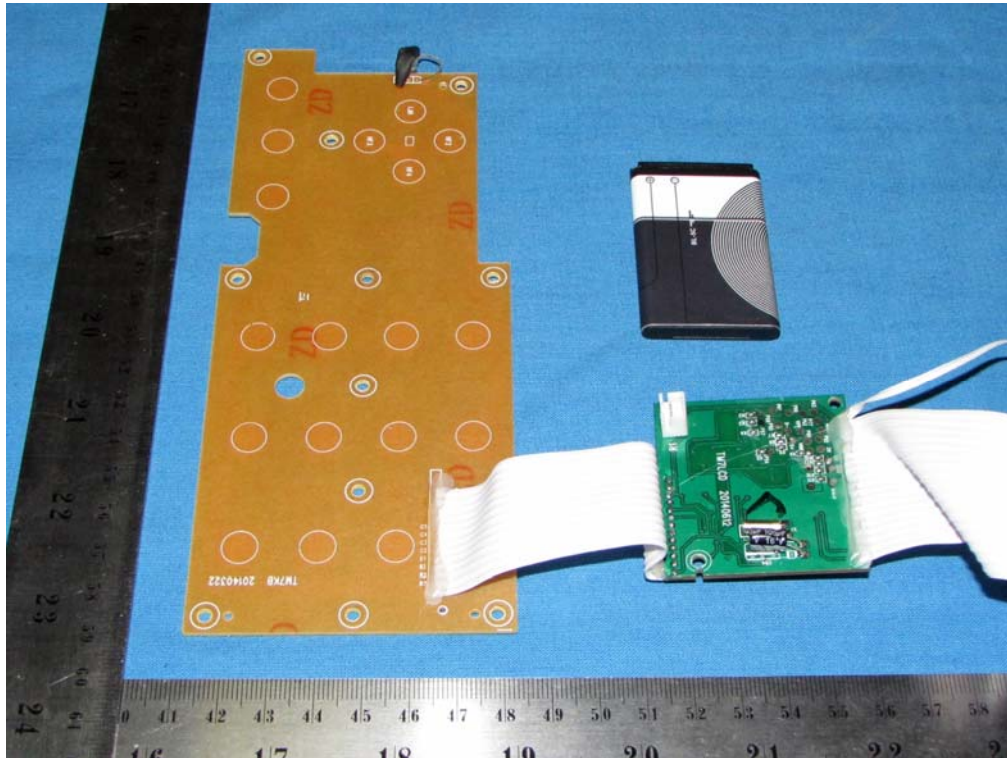


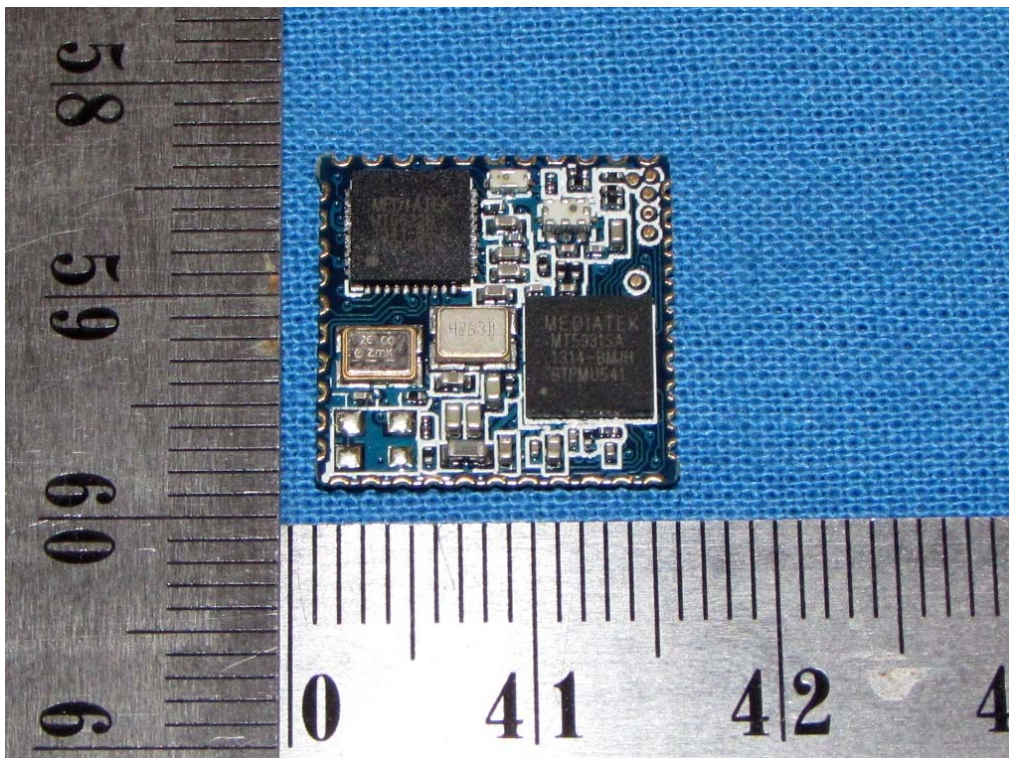
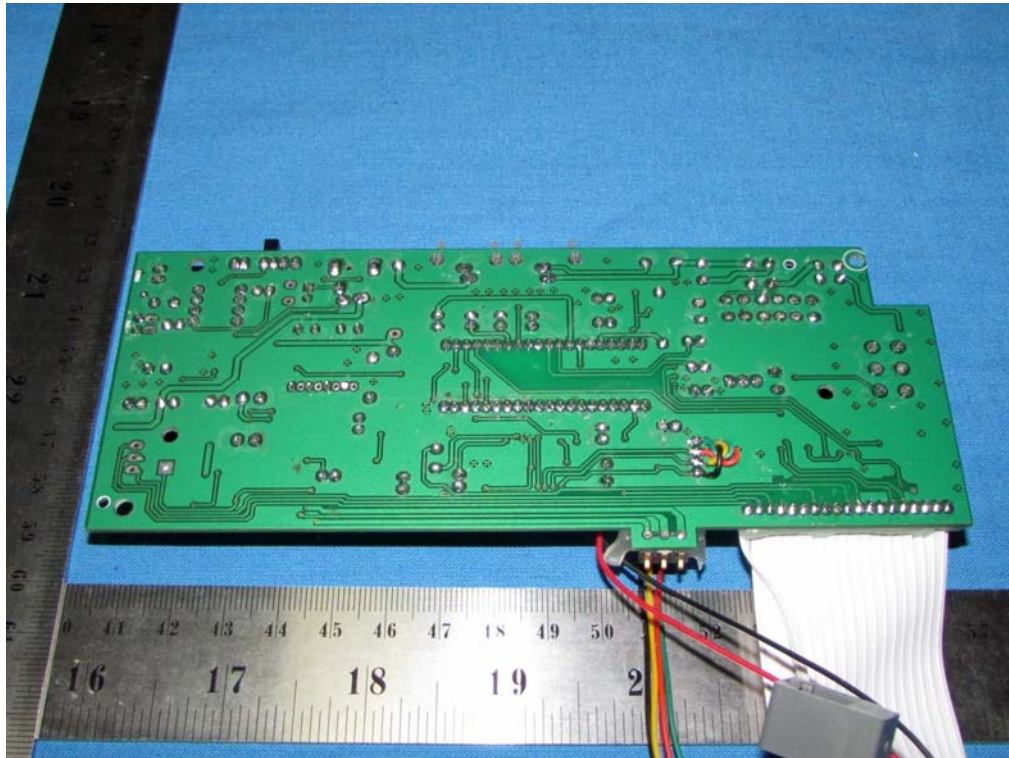
Internal Photos

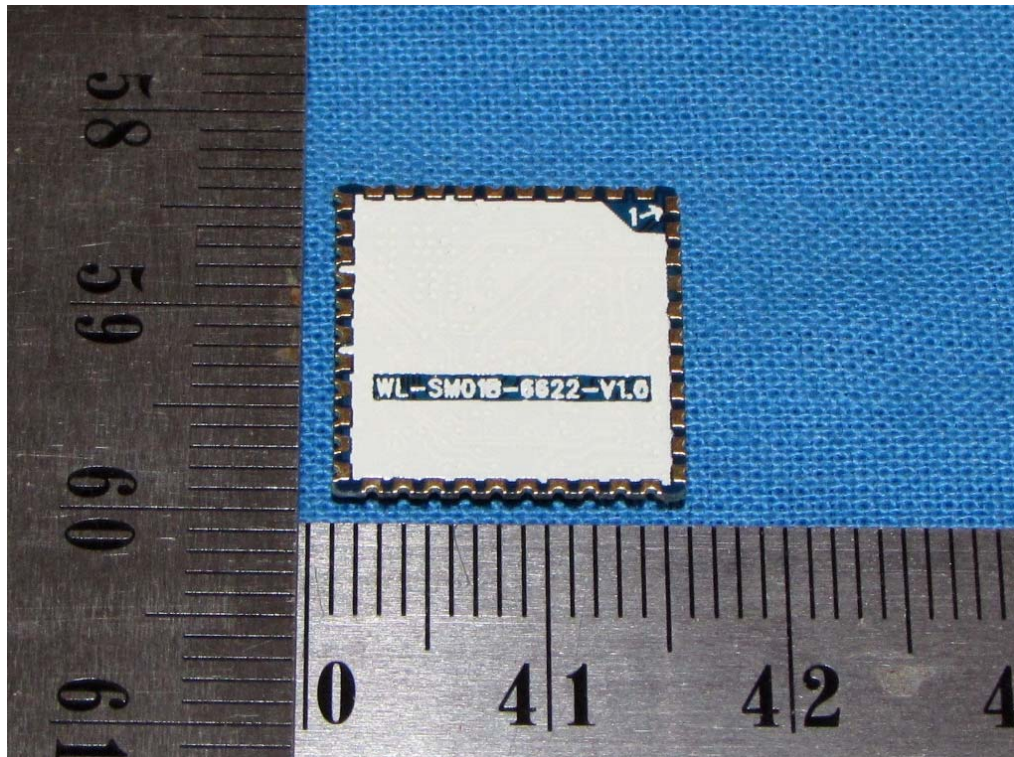












.....End of Report.....