

FCC  
EMC  
TEST REPORT

ISSUED BY  
Shenzhen BALUN Technology Co., Ltd.



FOR  
**WCDMA digital mobile phone**

ISSUED TO  
Power Idea Technology Limited.

4th Floor, A Section , Languang Science & technology Xinxi RD, Hi-Tech Industrial Park North, Nanshan, ShenZhen, China.



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Date: 2014.5.24

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Date: 2014.5.24



Report No.: BL-SZ1440063-401  
EUT Type: WCDMA digital mobile phone  
Model Name: RG700, RG970, APEX PRO  
Brand Name: N/A  
Test Standard: 47 CFR Part 15 Subpart B  
FCC ID: ZLE-RG700RG970  
Test conclusion: PASS  
Test Date: May 4, 2014 ~ May 20, 2014  
Date of Issue: May 24, 2014

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**Revision History**

|                |                    |                      |
|----------------|--------------------|----------------------|
| Version        | Issue Date         | Revisions            |
| <u>Rev. 01</u> | <u>May 24,2014</u> | <u>Initial Issue</u> |

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## 1 GENERAL INFORMATION

### 1.1 Identification of the Testing Laboratory

|              |                                                                                                                                 |
|--------------|---------------------------------------------------------------------------------------------------------------------------------|
| Company Name | Shenzhen BALUN Technology Co., Ltd.                                                                                             |
| Address      | Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China |
| Phone Number | +86 755 6683 3402                                                                                                               |
| Fax Number   | +86 755 6182 4271                                                                                                               |

### 1.2 Identification of the Responsible Testing Location

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Location             | Shenzhen BALUN Technology Co., Ltd.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Address                   | Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Accreditation Certificate | <p>The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A-1.</p> <p>The laboratory has been listed by US Federal Communications Commission to perform electromagnetic emission measurements. The recognition numbers of test site are 832625.</p> <p>The laboratory has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ISO/IEC Standard 17025:2005. The accreditation certificate number is TL-588.</p> <p>The laboratory is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L6791.</p> |
| Description               | All measurement facilities used to collect the measurement data are located at Block B, FL 1, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China 518055                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

### 1.3 Test Environment Condition

|                           |              |
|---------------------------|--------------|
| Ambient Temperature       | 15 to 35°C   |
| Ambient Relative Humidity | 30 to 60%    |
| Ambient Pressure          | 86 to 106kPa |

## 1.4 Announce

- (1) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- (2) The test report is invalid if there is any evidence and/or falsification.
- (3) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- (4) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.

## 2 PRODUCT INFORMATION

### 2.1 Applicant

|           |                                                                                                                         |
|-----------|-------------------------------------------------------------------------------------------------------------------------|
| Applicant | Power Idea Technology Limited.                                                                                          |
| Address   | 4th Floor, A Section , Languang Science & technology Xinxi RD, Hi-Tech Industrial Park North, Nanshan, ShenZhen, China. |

### 2.2 Manufacturer

|              |                                                                                                                         |
|--------------|-------------------------------------------------------------------------------------------------------------------------|
| Manufacturer | Power Idea Technology Limited.                                                                                          |
| Address      | 4th Floor, A Section , Languang Science & technology Xinxi RD, Hi-Tech Industrial Park North, Nanshan, ShenZhen, China. |

### 2.3 General Description for Equipment under Test (EUT)

|                                           |                                                                                                                                                                                  |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EUT Type                                  | WCDMA digital mobile phone                                                                                                                                                       |
| Model Name                                | RG700                                                                                                                                                                            |
| Series Model Name                         | RG700, RG970, APEX PRO                                                                                                                                                           |
| Description of Model name differentiation | The equipment model RG700, RG970 and APEX PRO are WCDMA digital mobile phone, the electrical parameters and internal structure of circuit are same, only the model is different. |
| Hardware Version                          | P2                                                                                                                                                                               |
| Software Version                          | N/A                                                                                                                                                                              |
| Network and Wireless connectivity         | GSM, WCDMA                                                                                                                                                                       |
| About the Product                         | The equipment is Mobile Phone, intended for used with information technology equipment.                                                                                          |

### 2.4 Technical Information

|                 |                                                       |
|-----------------|-------------------------------------------------------|
| Frequency Bands | GSM 850/1900, WCDMA 850                               |
| Modulation Type | GSM: GMSK<br>GPRS: GMSK<br>EGPRS: 8PSK<br>WCDMA: QPSK |

Note: The above EUT information in section 2.3 and 2.4 was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

## 2.5 Ancillary Equipment

|                       |                                  |                               |
|-----------------------|----------------------------------|-------------------------------|
| Ancillary Equipment 1 | Battery                          |                               |
|                       | Brand Name                       | Ruide                         |
|                       | Model No                         | HD506083PL                    |
|                       | Serial No                        | (N/A. marked #1 by test site) |
|                       | Capacitance                      | 3000mAh                       |
|                       | Rated Voltage                    | 3.7V                          |
|                       | Extreme Voltage                  | Low: 3.5V / High:4.2V         |
| Ancillary Equipment 2 | AC Adapter (Charger for Battery) |                               |
|                       | Brand Name                       | Ruide                         |
|                       | Model No                         | 71822258R                     |
|                       | Serial No                        | (N/A. marked #1 by test site) |
|                       | Rated Input                      | ~ 100-240V, 200mA, 50/60Hz    |
|                       | Rated Output                     | = 5V, 1000mA                  |
| Ancillary Equipment 3 | Stereo Headset                   |                               |
| Ancillary Equipment 4 | USB Data Cable                   |                               |

### 3 SUMMARY OF TEST RESULTS

#### 3.1 Test Standards

| No. | Identity                                       | Document Title                                                                                                                                                                   |
|-----|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | FCC 47 CFR Part 15 Subpart B (10-1-09 Edition) | Unintentional Radiators                                                                                                                                                          |
| 2   | ANSI C63.4-2009                                | American National Standard for Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz |

#### 3.2 Verdict

| No. | Description                  | FCC Rule | Test Verdict | Result     |
|-----|------------------------------|----------|--------------|------------|
| 1   | Radiated Emission            | 15.109   | PASS         | Annex A .1 |
| 2   | Conducted Emission, AC Ports | 15.107   | PASS         | Annex A .2 |

#### 3.3 Test Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

| Measurement                      | Value  |
|----------------------------------|--------|
| Conducted emissions (9KHz-30MHz) | 1.12dB |
| Radiated emissions (30MHz-1GHz)  | 2.11dB |
| Radiated emissions (1GHz-18GHz)  | 3.31dB |

## 4 GENERAL TEST CONFIGURATIONS

### 4.1 Test Environments

| Environment Parameter                           | Selected Values During Tests |              |                   |
|-------------------------------------------------|------------------------------|--------------|-------------------|
|                                                 | Temperature                  | Voltage      | Relative Humidity |
| Normal Temperature,<br>Normal Voltage<br>(NTNV) | 23°C~25°C                    | AC 110V/60Hz | 50%-55%           |

### 4.2 Test Equipment List

| Radiated Emission Test                  |               |               |            |            |            |                                     |
|-----------------------------------------|---------------|---------------|------------|------------|------------|-------------------------------------|
| Description                             | Manufacturer  | Model         | Serial No. | Cal. Date  | Cal. Due   | Use                                 |
| EMI Receiver                            | ROHDE&SCHWARZ | ESRP          | 101036     | 2014.06.04 | 2015.06.03 | <input checked="" type="checkbox"/> |
| Test Antenna-<br>Loop(9kHz-<br>30MHz)   | SCHWARZBECK   | FMZB<br>1519  | 1519-037   | 2013.07.02 | 2014.07.01 | <input checked="" type="checkbox"/> |
| Test Antenna-<br>Bi-Log(30MHz<br>-3GHz) | SCHWARZBECK   | VULB<br>9163  | 9163-624   | 2013.07.03 | 2014.07.02 | <input checked="" type="checkbox"/> |
| Test Antenna-<br>Horn(1-<br>18GHz)      | SCHWARZBECK   | BBHA<br>9120D | 9120D-1148 | 2013.07.02 | 2014.07.01 | <input checked="" type="checkbox"/> |
| Test Antenna-<br>Horn(15-<br>26.5GHz)   | SCHWARZBECK   | BBHA<br>9170  | 9170-305   | 2013.07.02 | 2014.07.01 | <input type="checkbox"/>            |
| Anechoic<br>Chamber                     | RAINFORD      | 9m*6m*6<br>m  | N/A        | 2013.10.07 | 2014.10.06 | <input checked="" type="checkbox"/> |

| Conducted disturbance Test |               |              |            |            |            |                                     |
|----------------------------|---------------|--------------|------------|------------|------------|-------------------------------------|
| Description                | Manufacturer  | Model        | Serial No. | Cal. Date  | Cal. Due   | Use                                 |
| EMI Receiver               | ROHDE&SCHWARZ | ESRP         | 101036     | 2014.06.04 | 2015.06.03 | <input checked="" type="checkbox"/> |
| LISN                       | SCHWARZBECK   | NSLK<br>8127 | 8127-687   | 2014.06.04 | 2015.06.03 | <input checked="" type="checkbox"/> |
| AMN                        | SCHWARZBECK   | NNBM812<br>4 | 8124-509   | 2013.06.29 | 2014.06.28 | <input type="checkbox"/>            |
| AMN                        | SCHWARZBECK   | NNBM812<br>4 | 8124-510   | 2013.06.29 | 2014.06.28 | <input type="checkbox"/>            |
| ISN                        | TESEQ         | ISN T800     | 34449      | 2013.06.29 | 2014.06.28 | <input type="checkbox"/>            |

### 4.3 Test Enclosure list

| Description         | Manufacturer | Model        | Serial No. | Length | Description        | Use                                 |
|---------------------|--------------|--------------|------------|--------|--------------------|-------------------------------------|
| PC                  | N/A          | N/A          | N/A        | N/A    | Special Handled    | <input checked="" type="checkbox"/> |
| Printer             | HP           | DESKJET 1000 | N/A        | N/A    | N/A                | <input checked="" type="checkbox"/> |
| Keyboard            | logitech     | Y-BP62a      | N/A        | N/A    | N/A                | <input checked="" type="checkbox"/> |
| Mouse               | logitech     | M100         | N/A        | N/A    | N/A                | <input checked="" type="checkbox"/> |
| USB disk            | Kingston     | N/A          | N/A        | N/A    | N/A                | <input type="checkbox"/>            |
| TF Card             | Kingston     | N/A          | N/A        | N/A    | N/A                | <input checked="" type="checkbox"/> |
| VGA Cable           | N/A          | N/A          | N/A        | 1.5m   | Shielded with core | <input type="checkbox"/>            |
| HDMI Cable          | N/A          | N/A          | N/A        | 1.5m   | Shielded with core | <input type="checkbox"/>            |
| DVI Cable           | N/A          | N/A          | N/A        | 1.5m   | Shielded with core | <input type="checkbox"/>            |
| Coaxial video cable | N/A          | N/A          | N/A        | 2m     | Shielded with core | <input type="checkbox"/>            |
| Phone               | BBK          | HCD007TSD    | N/A        | N/A    | N/A                | <input type="checkbox"/>            |
| laptop              | LENOVO       | K29          | N/A        | N/A    | N/A                | <input type="checkbox"/>            |

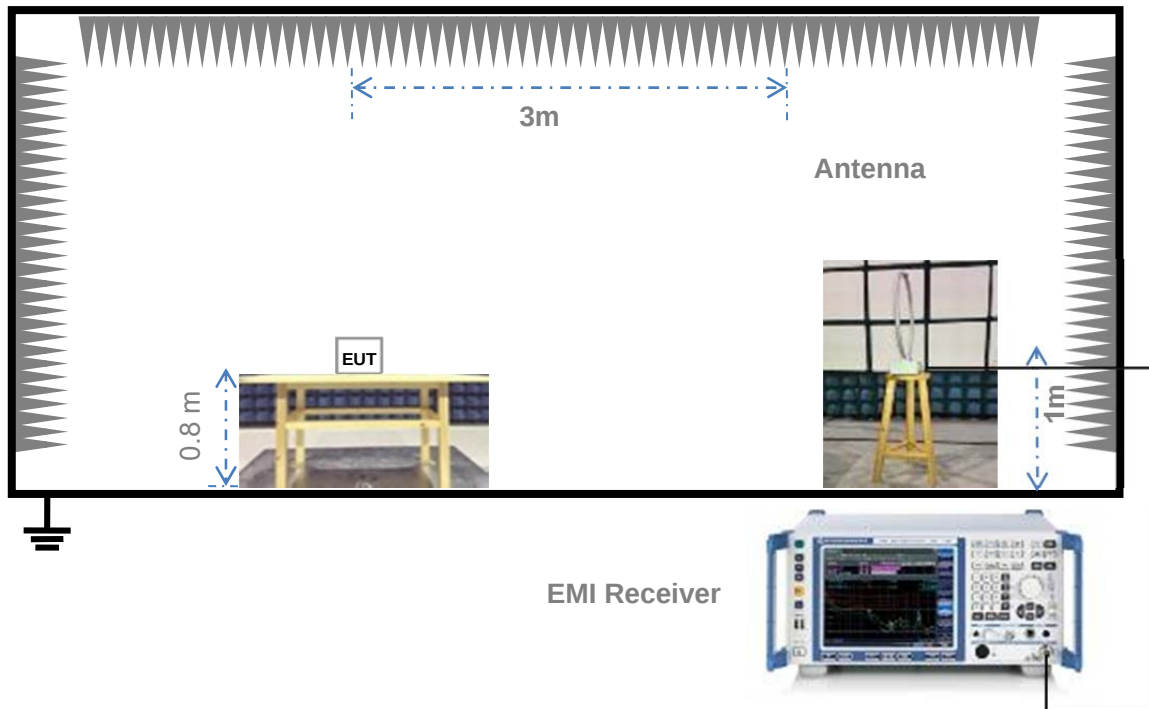
### 4.4 Test Configurations

| Test Configurations (TC) No. | Description                                                                                                                                                                                                                                                                                                                                      |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TC01                         | <u>The USB Test mode</u><br>The EUT configuration of the emission tests is TransFlash Card + EUT + Battery + PC.<br>In this test mode, the EUT with a TransFlash Card embedded is connected with a PC via a USB cable supplied by applicant. During the measurement, the data is transmitting between the PC and the TransFlash Card of the EUT. |
| TC02                         | <u>The Camera test mode</u><br>The EUT configuration of the emission tests is EUT + Battery + Charger.<br>The EUT supports Camera function. During the measurement, the EUT working by way of the Camera.                                                                                                                                        |
| TC03                         | <u>The FM test mode</u><br>The EUT configuration of the emission tests is EUT + Battery + Charger.<br>During the test, the FM function was active.                                                                                                                                                                                               |

Note: Based on client request, all normal using modes of the normal function were tested but only the worst test data of the worst mode is reported by this report.

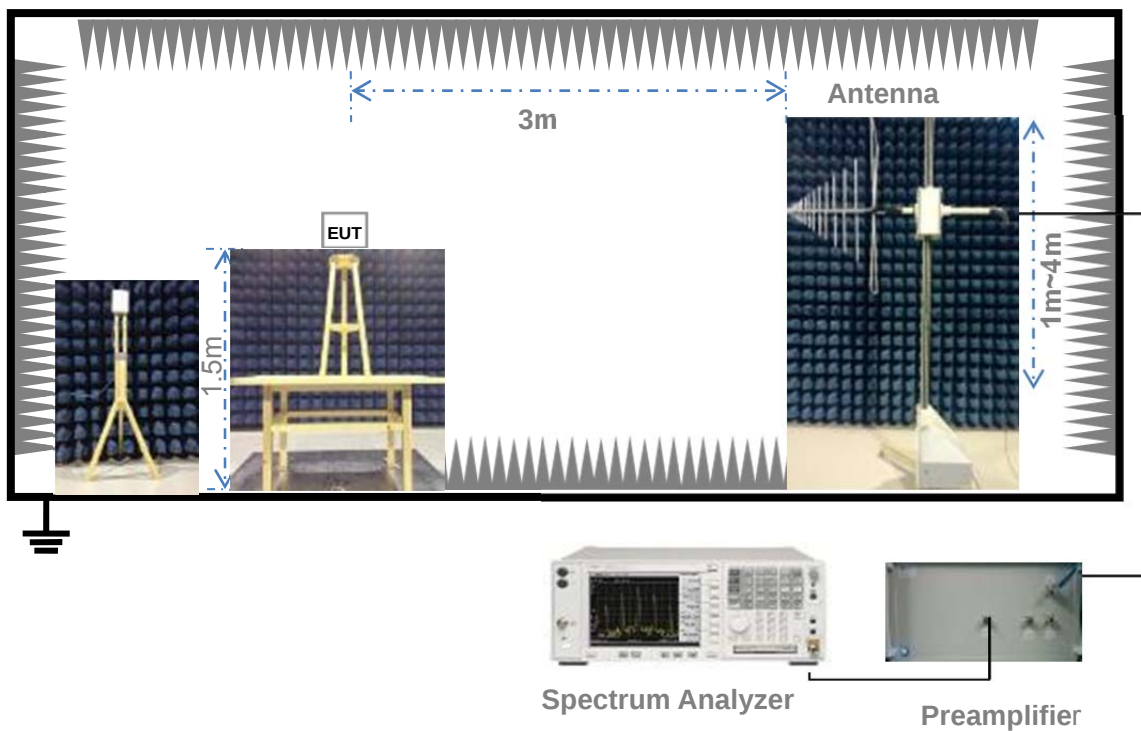
## 4.5 Test Setups

### Test Setup 1



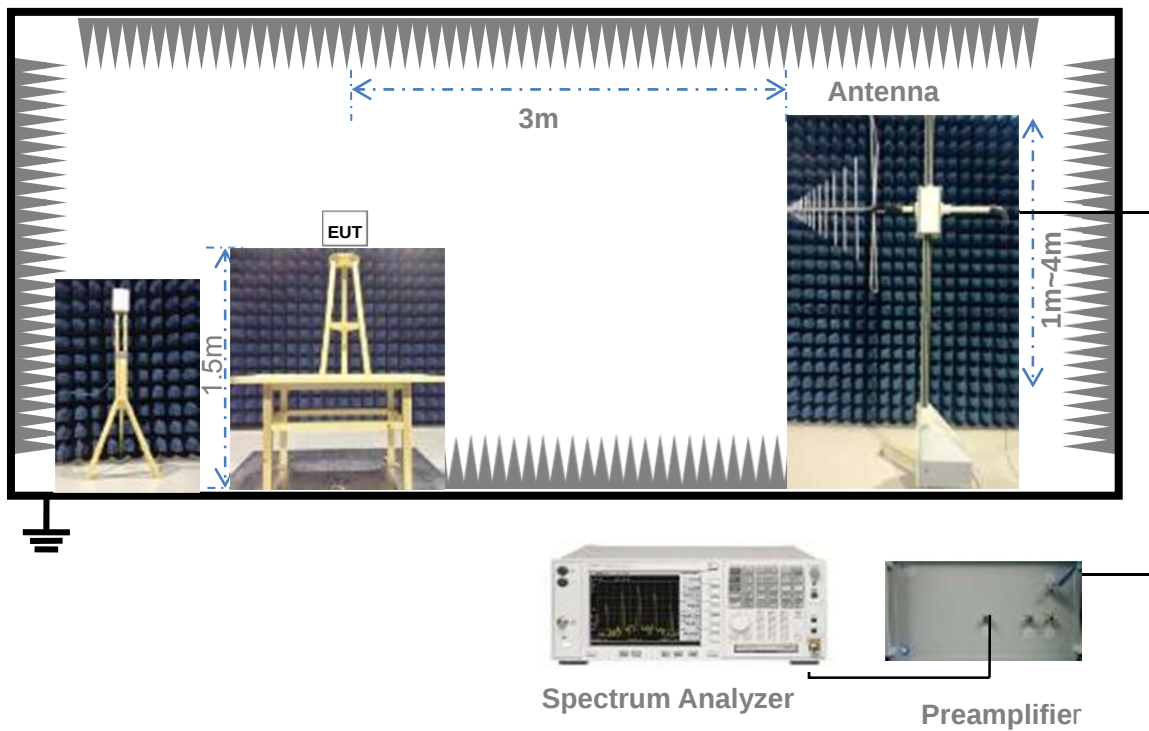
For Radiated Emission Test (Below 30MHz)

### Test Setup 2



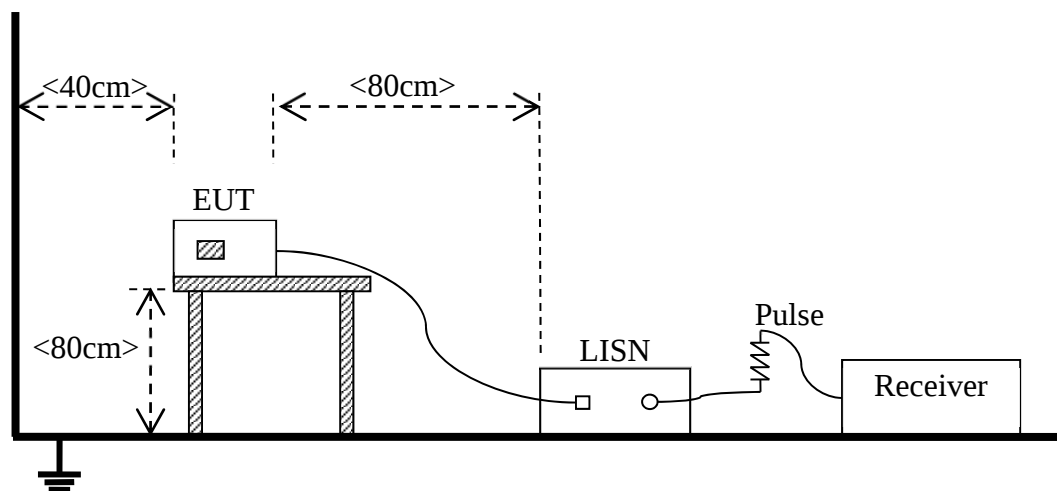
(For Radiated Emission Test (30MHz-1GHz))

### Test Setup 3



(For Radiated Emission Test (above 1GHz))

### Test Setup 4



(For Conducted Emission, AC Ports Test)

## 4.6 Test Conditions

| Test Case                    | Test Conditions    |                |
|------------------------------|--------------------|----------------|
| Radiated Emission            | Test Env.          | NTNV           |
|                              | Test Setup         | Test Setup 1&3 |
|                              | Test Configuration | TC01~TC03      |
| Conducted Emission, AC Ports | Test Env.          | NTNV           |
|                              | Test Setup         | Test Setup 4   |
|                              | Test Configuration | TC01~TC03      |

## 5 TEST ITEMS

### 5.1 Emission Tests

#### 5.1.1 Radiated Emission

##### 5.1.1.1 Limit

| Frequency (MHz) | Field Strength ( $\mu\text{V/m}$ ) | Measurement Distance (m) |
|-----------------|------------------------------------|--------------------------|
| 0.009 - 0.490   | 2400/F(kHz)                        | 300                      |
| 0.490 - 1.705   | 24000/F(kHz)                       | 30                       |
| 1.705 - 30.0    | 30                                 | 30                       |
| 30 - 88         | 100                                | 3                        |
| 88 - 216        | 150                                | 3                        |
| 216 - 960       | 200                                | 3                        |
| Above 960       | 500                                | 3                        |

NOTE:

- 1) Field Strength ( $\text{dB}\mu\text{V/m}$ ) =  $20 \cdot \log[\text{Field Strength } (\mu\text{V/m})]$ .
- 2) In the emission tables above, the tighter limit applies at the band edges.
- 3) For above 1000MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK)

##### 5.1.1.2 Test Procedure

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

An initial pre-scan was performed in the chamber using the EMI Receiver in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by Bi-Log antenna with 2 orthogonal polarities.

## 5.1.2 Conducted Emission

### 5.1.2.1 Test Limit

| Frequency range (MHz) | Conducted Limit (dB $\mu$ V) |          |
|-----------------------|------------------------------|----------|
|                       | Quasi-peak                   | Average  |
| 0.15 - 0.50           | 66 to 56                     | 56 to 46 |
| 0.50 - 5              | 56                           | 46       |
| 5 - 30                | 60                           | 50       |

NOTE:

- 1) The limit is applicable to Class B ITE.
- 2) The lower limit shall apply at the band edges.
- 3) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50MHz.

### 5.1.2.2 Test Procedure

The EUT is connected to the power mains through a LISN which provides 50 $\Omega$ /50 $\mu$ H of coupling impedance for the measuring instrument. The test frequency range is from 150kHz to 30MHz. The maximum conducted interference is searched using Peak (PK), Quasi-peak (QP) and Average (AV) detectors; the emission levels that are more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed.

## ANNEX A TEST RESULTS

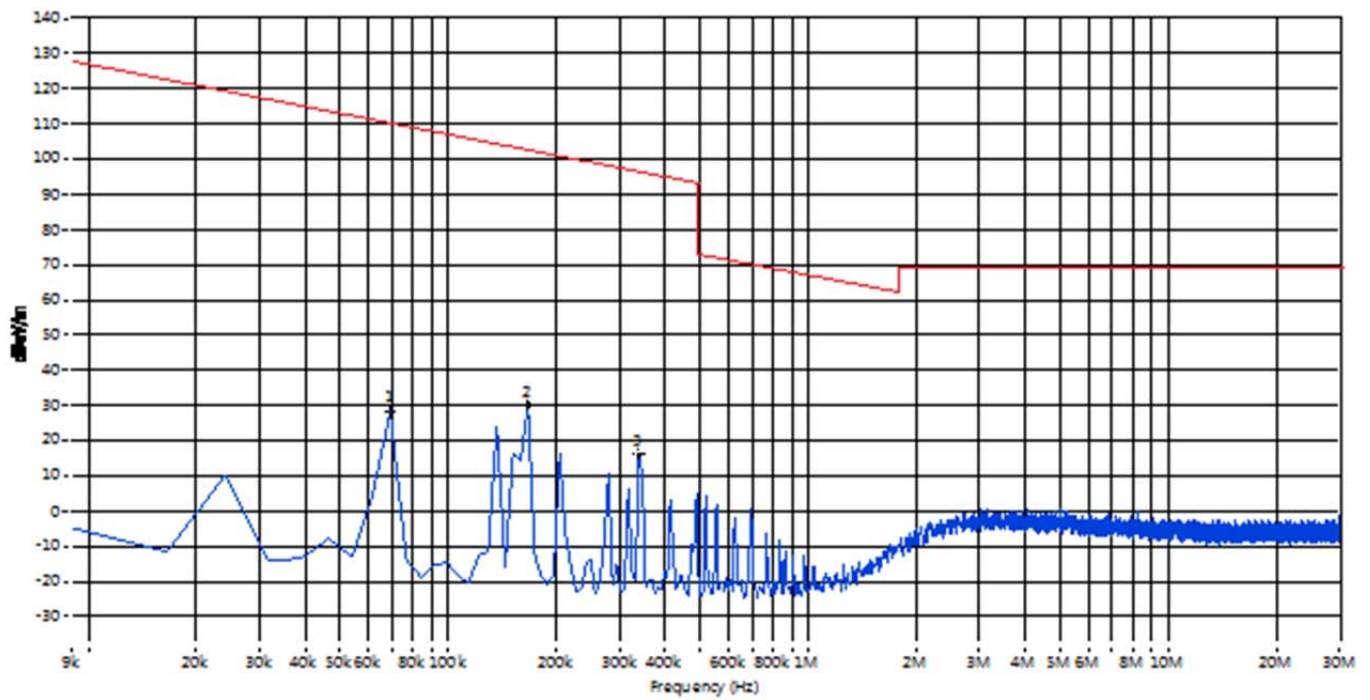
### A.1 Radiated Emission

#### Test Data

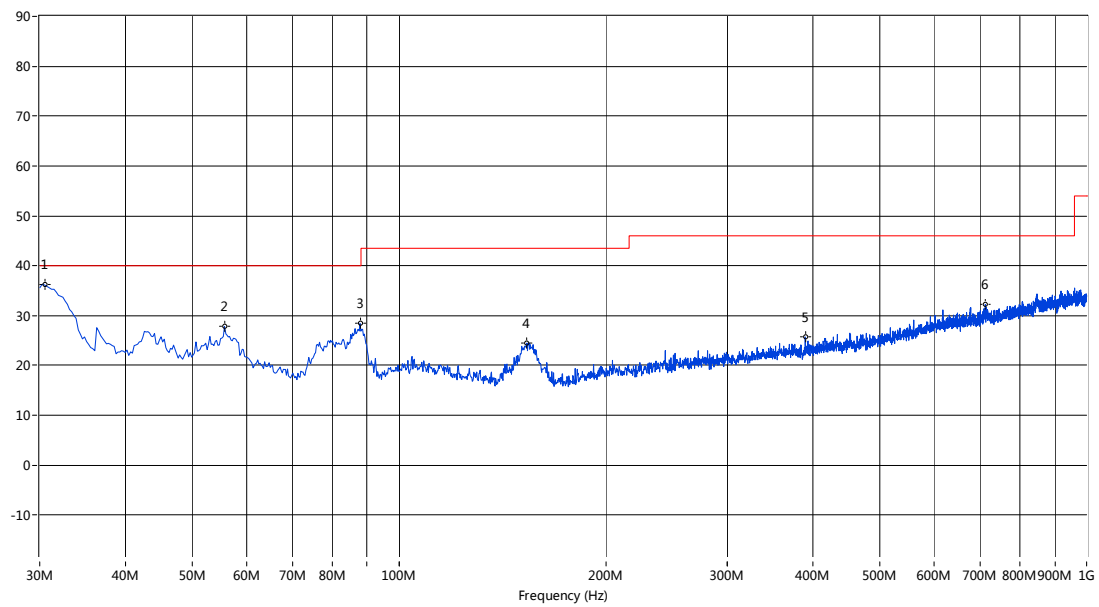
| NO. | Fre.<br>(MHz) | PK<br>(dBμV/<br>m) | QP<br>(dBμV<br>/m) | AV<br>(dBμV<br>/m) | Limit-PK<br>(dBμV/m) | Limit-QP<br>(dBμV/m) | Limit-AV<br>(dBμV/m) | Antenna    | Verdict |
|-----|---------------|--------------------|--------------------|--------------------|----------------------|----------------------|----------------------|------------|---------|
| 1   | 0.069         | 28.18              | --                 | --                 | --                   | 110.8                | --                   | N/A        | PASS    |
| 2   | 0.166         | 29.91              | --                 | --                 | --                   | 103.2                | --                   | N/A        | PASS    |
| 3   | 0.339         | 16.03              | --                 | --                 | --                   | 97.0                 | --                   | N/A        | PASS    |
| 4   | 30.485        | 36.16              | --                 | --                 | --                   | 40.0                 | --                   | Vertical   | PASS    |
| 5   | 55.699        | 27.80              | --                 | --                 | --                   | 40.0                 | --                   | Vertical   | PASS    |
| 6   | 87.701        | 28.40              | --                 | --                 | --                   | 40.0                 | --                   | Vertical   | PASS    |
| 7   | 153.402       | 24.50              | --                 | --                 | --                   | 43.5                 | --                   | Vertical   | PASS    |
| 8   | 389.538       | 25.72              | --                 | --                 | --                   | 46.0                 | --                   | Vertical   | PASS    |
| 9   | 712.224       | 32.26              | --                 | --                 | --                   | 46.0                 | --                   | Vertical   | PASS    |
| 10  | 1465.884      | 41.68              | --                 | --                 | 74.0                 | --                   | 54.0                 | Vertical   | PASS    |
| 11  | 1796.301      | 41.08              | --                 | --                 | 74.0                 | --                   | 54.0                 | Vertical   | PASS    |
| 12  | 2627.593      | 45.68              | --                 | --                 | 74.0                 | --                   | 54.0                 | Vertical   | PASS    |
| 13  | 3938.765      | 45.67              | --                 | --                 | 74.0                 | --                   | 54.0                 | Vertical   | PASS    |
| 14  | 4968.258      | 47.26              | --                 | --                 | 74.0                 | --                   | 54.0                 | Vertical   | PASS    |
| 15  | 5947.513      | 49.01              | --                 | --                 | 74.0                 | --                   | 54.0                 | Vertical   | PASS    |
| 16  | 34.849        | 30.95              | --                 | --                 | --                   | 40.0                 | --                   | Horizontal | PASS    |
| 17  | 54.244        | 26.39              | --                 | --                 | --                   | 40.0                 | --                   | Horizontal | PASS    |
| 18  | 85.761        | 22.16              | --                 | --                 | --                   | 40.0                 | --                   | Horizontal | PASS    |
| 19  | 154.371       | 26.95              | --                 | --                 | --                   | 43.5                 | --                   | Horizontal | PASS    |
| 20  | 494.999       | 28.41              | --                 | --                 | --                   | 46.0                 | --                   | Horizontal | PASS    |
| 21  | 845.081       | 35.23              | --                 | --                 | --                   | 46.0                 | --                   | Horizontal | PASS    |
| 22  | 1333.917      | 40.82              | --                 | --                 | 74.0                 | --                   | 54.0                 | Horizontal | PASS    |
| 23  | 2342.164      | 44.04              | --                 | --                 | 74.0                 | --                   | 54.0                 | Horizontal | PASS    |
| 24  | 2753.062      | 45.86              | --                 | --                 | 74.0                 | --                   | 54.0                 | Horizontal | PASS    |
| 25  | 3984.504      | 45.79              | --                 | --                 | 74.0                 | --                   | 54.0                 | Horizontal | PASS    |
| 26  | 4955.511      | 47.42              | --                 | --                 | 74.0                 | --                   | 54.0                 | Horizontal | PASS    |
| 27  | 5928.018      | 49.28              | --                 | --                 | 74.0                 | --                   | 54.0                 | Horizontal | PASS    |

## Test Plots

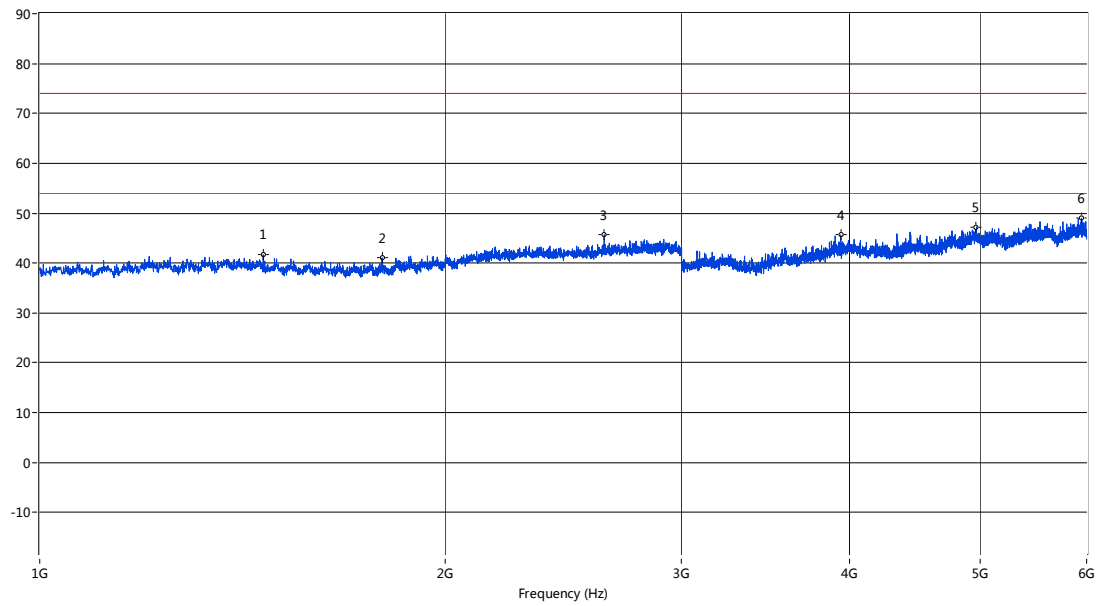
### A.1.1 Below 30MHz



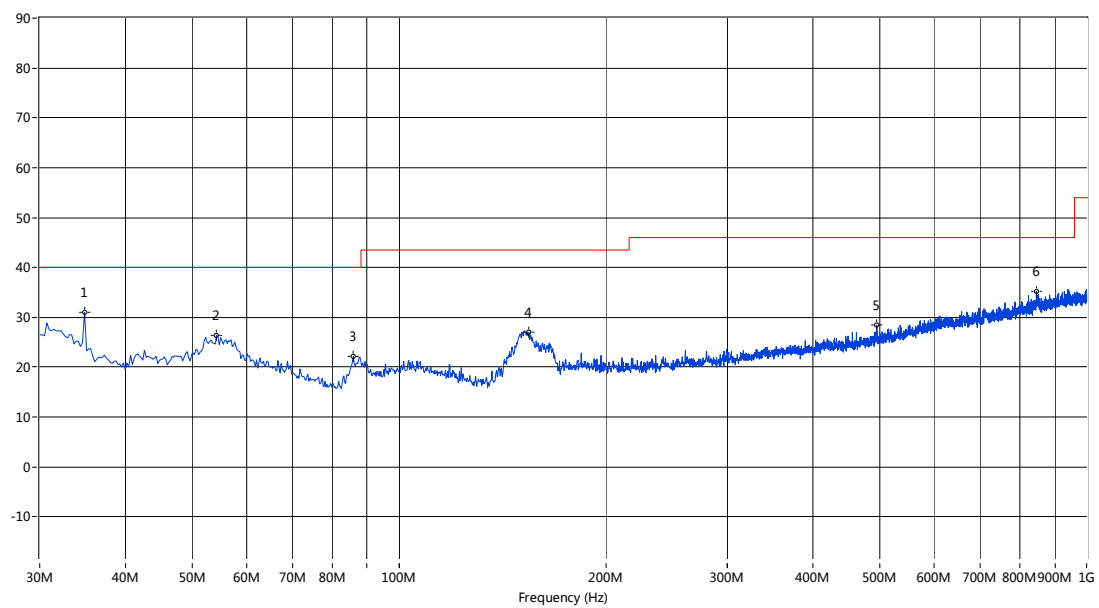
### A.1.2 Test Antenna Vertical, 30MHz – 1GHz



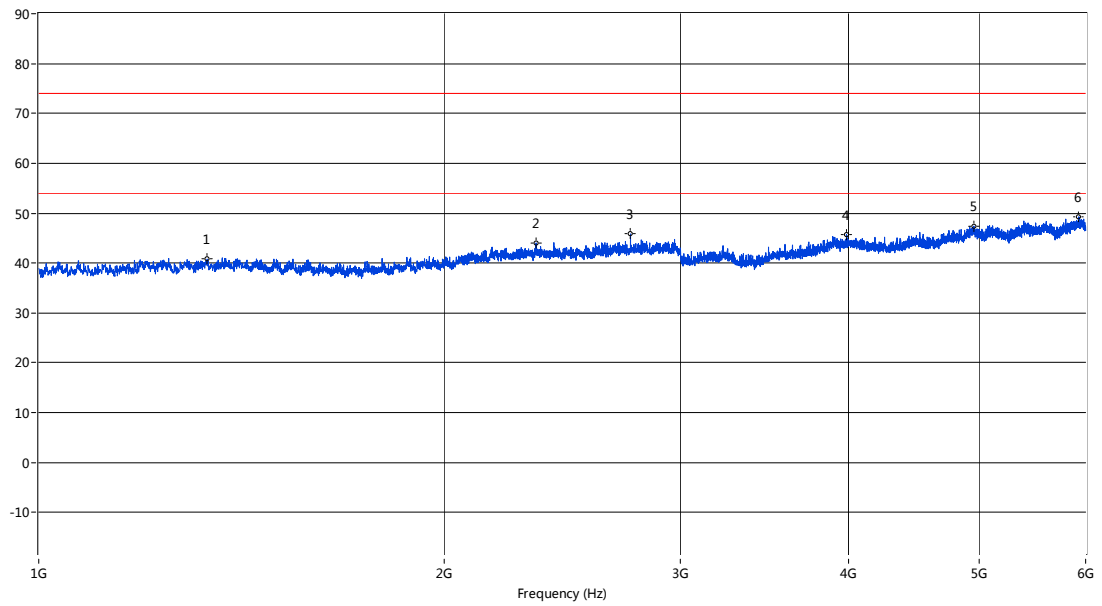
### A.1.3 Test Antenna Vertical, 1GHz – 6GHz



### A.1.4 Test Antenna Horizontal, 30MHz – 1GHz



## A.1.5 Test Antenna Horizontal, 1GHz – 6GHz



## A.2 Conducted Emission

### Test Data

| No. | Frequency (MHz) | Measurement Level (dBuV) | Limit (dBuV) | Margin (dB) | Phase | Detector | Result |
|-----|-----------------|--------------------------|--------------|-------------|-------|----------|--------|
| 1   | 0.154           | 45.8                     | 65.89        | -20.09      | L     | QP       | PASS   |
| 2   | 0.182           | 48.65                    | 65.09        | -16.44      | L     | QP       | PASS   |
| 3   | 0.190           | 34.09                    | 54.86        | -20.77      | L     | AV       | PASS   |
| 4   | 0.250           | 29.76                    | 53.14        | -23.38      | L     | AV       | PASS   |
| 5   | 2.502           | 27.38                    | 46.00        | -18.62      | L     | AV       | PASS   |
| 6   | 4.074           | 42.07                    | 56.00        | -13.93      | L     | QP       | PASS   |
| 7   | 4.090           | 26.64                    | 46.00        | -19.36      | L     | AV       | PASS   |
| 8   | 4.114           | 41.67                    | 56.00        | -14.33      | L     | QP       | PASS   |
| 9   | 13.170          | 25.61                    | 50.00        | -24.39      | L     | AV       | PASS   |
| 10  | 15.718          | 37.07                    | 60.00        | -22.93      | L     | QP       | PASS   |
| 11  | 15.762          | 25.13                    | 50.00        | -24.87      | L     | AV       | PASS   |
| 12  | 15.866          | 37.1                     | 60.00        | -22.90      | L     | QP       | PASS   |
| 13  | 0.154           | 45.36                    | 65.89        | -20.53      | N     | QP       | PASS   |
| 14  | 0.154           | 29.48                    | 55.89        | -26.41      | N     | AV       | PASS   |
| 15  | 0.186           | 47.31                    | 64.97        | -17.66      | N     | QP       | PASS   |
| 16  | 0.186           | 34.81                    | 54.97        | -20.16      | N     | AV       | PASS   |
| 17  | 4.110           | 42.71                    | 56.00        | -13.29      | N     | QP       | PASS   |
| 18  | 4.110           | 26.84                    | 46.00        | -19.16      | N     | AV       | PASS   |
| 19  | 4.186           | 42.94                    | 56.00        | -13.06      | N     | QP       | PASS   |
| 20  | 4.186           | 26.95                    | 46.00        | -19.05      | N     | AV       | PASS   |
| 21  | 12.974          | 39.68                    | 60.00        | -20.32      | N     | QP       | PASS   |
| 22  | 13.094          | 39.73                    | 60.00        | -20.27      | N     | QP       | PASS   |
| 23  | 13.234          | 27.99                    | 50.00        | -22.01      | N     | AV       | PASS   |
| 24  | 15.738          | 26.58                    | 50.00        | -23.42      | N     | AV       | PASS   |

## Test Plots

### A.2.1 L Phase



Date: 8.MAY.2014 09:46:31

### A.2.2 N Phase



Date: 8.MAY.2014 09:56:19

## ANNEX B TEST SETUP PHOTOS

### B.1 Radiated Field Strength Measurement



30MHz-1GHz (THE USB TEST MODE)



THE FRONT OF THE TEST PHOTO (THE USB TEST MODE)



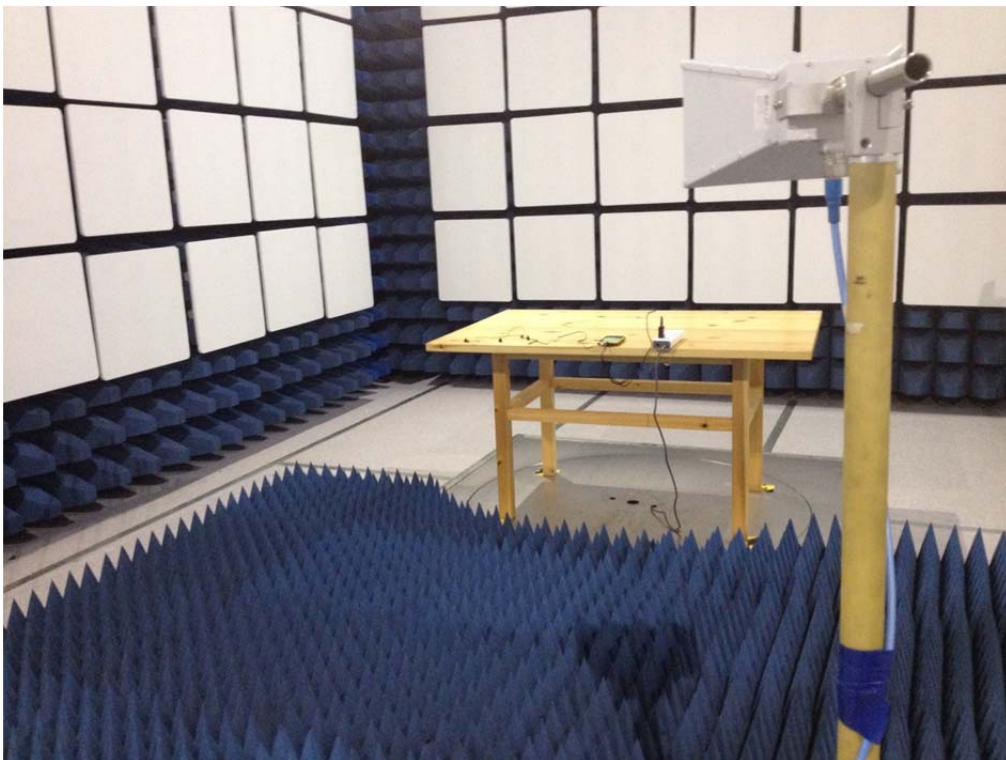
Above 1GHz( THE USB TEST MODE)



THE FRONT OF TEST PHOTO (THE USB TEST MODE)



30MHz-1GHz (THE CAMERA TEST MODE)



Above 1GHz( THE CAMERA TEST MODE)

## B.2 Conducted Emission



THE BACK OF TEST PHOTO (THE USB TEST MODE)



THE FRONT OF TEST PHOTO (THE USB TEST MODE)



THE CAMERA TEST MODE

## ANNEX C EUT PHOTOS

### C.1 Appearance of the EUT



THE FRONT OF EUT



THE BACK OF EUT



THE LEFT OF EUT



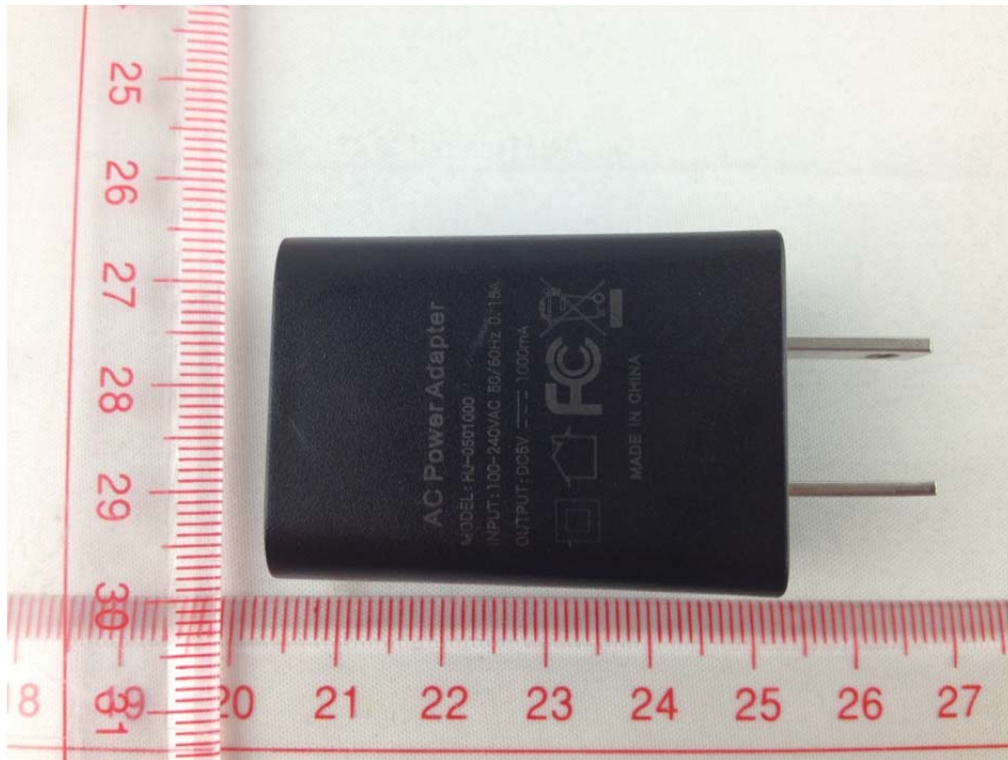
THE RIGHT OF EUT



THE UP OF EUT



THE DOWN OF EUT



CHARGER



DATA CABLE



HEADPHONE CABLE

## C.2 Inside of the EUT



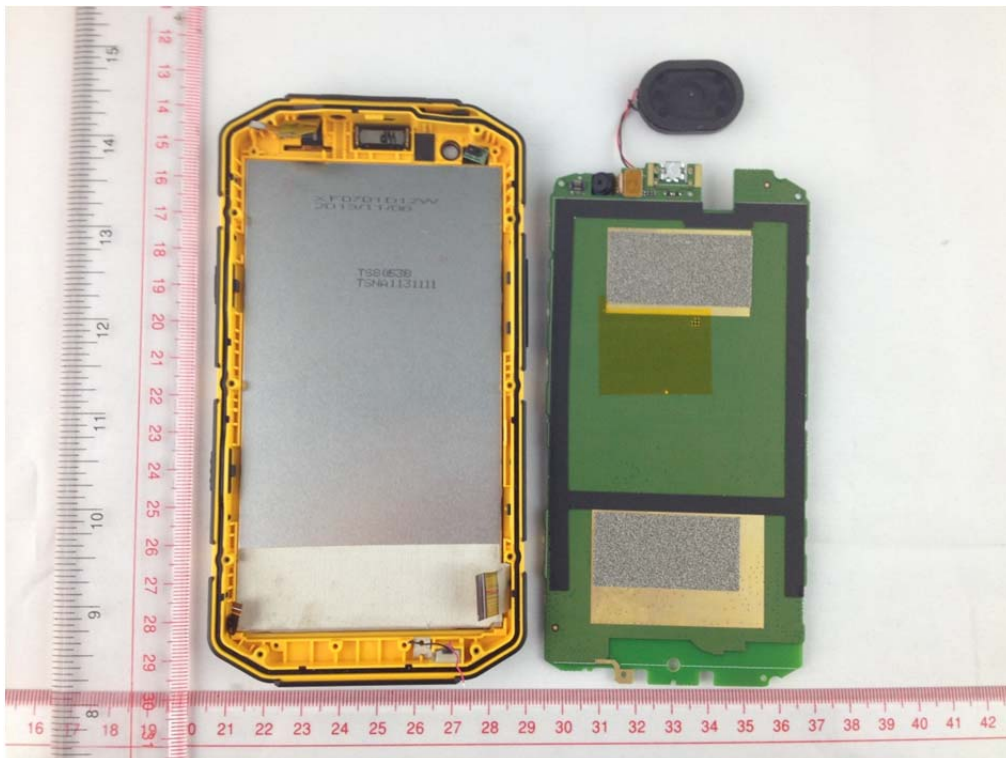
EUT UNCOVER VIEW 1



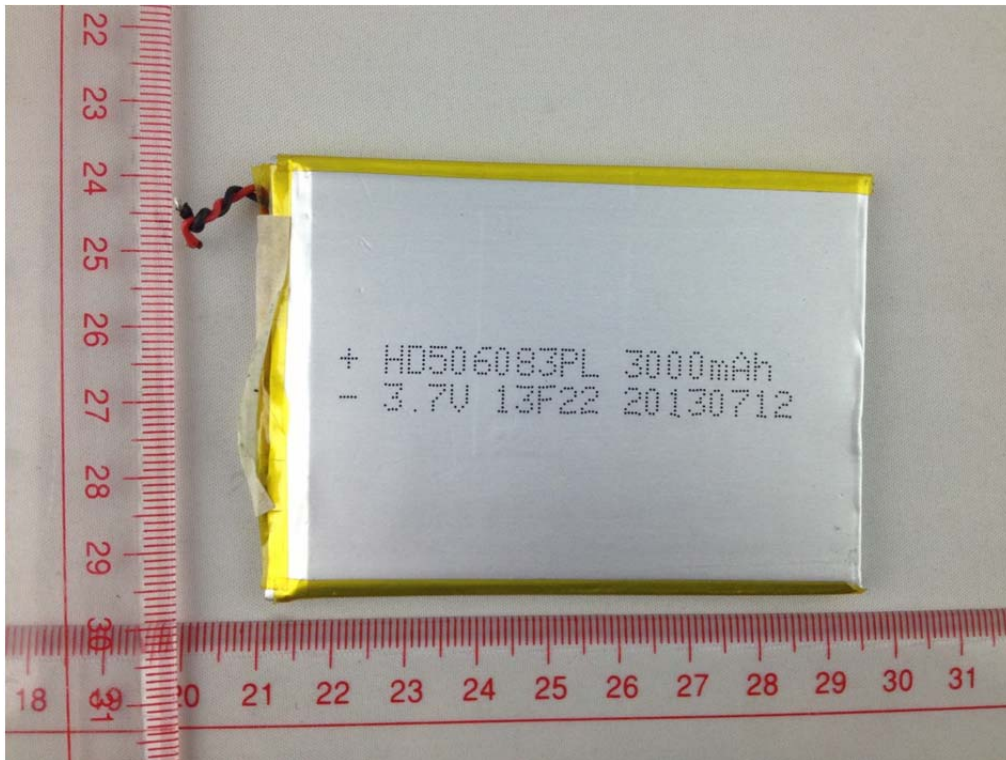
EUT UNCOVER VIEW 2



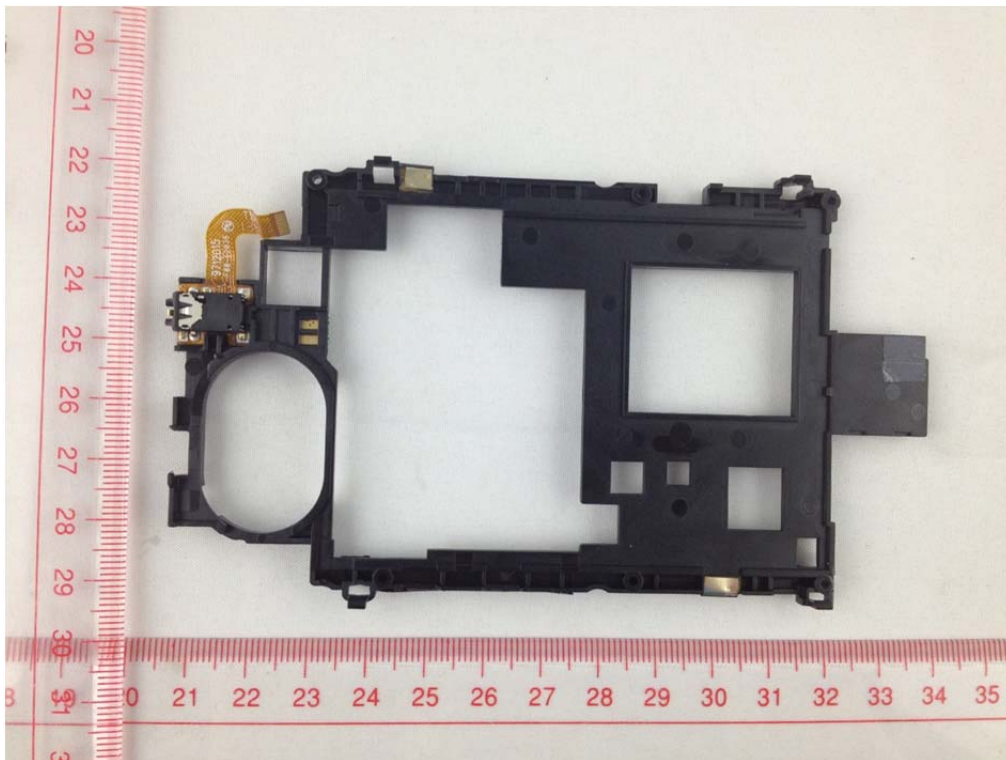
EUT UNCOVER VIEW 3



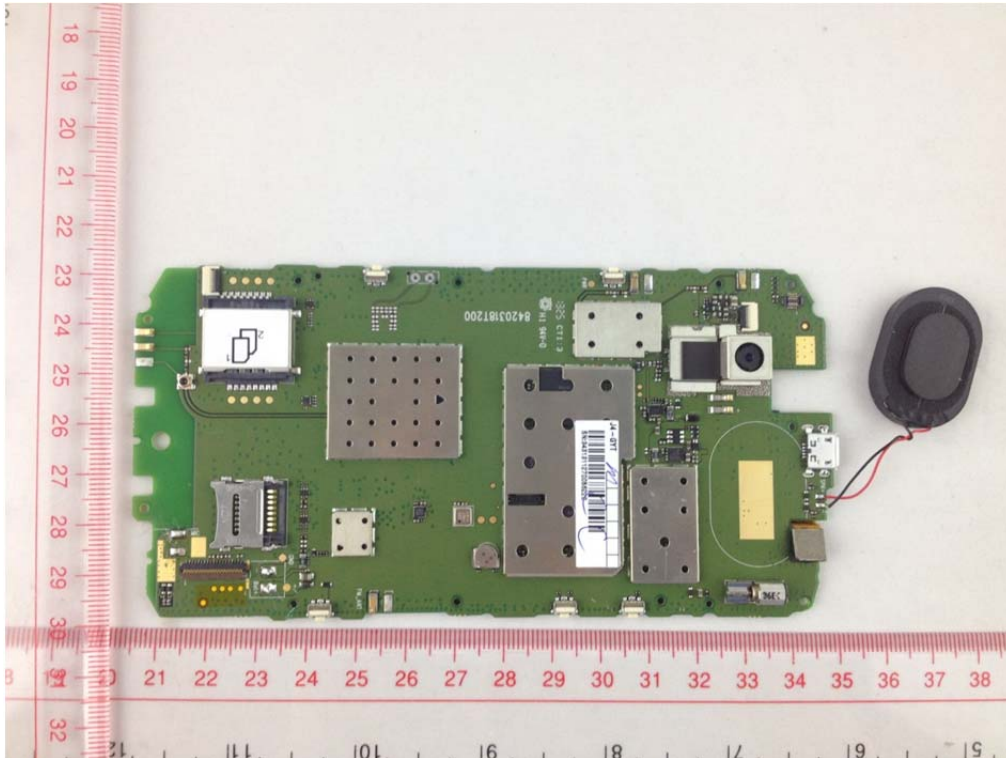
EUT UNCOVER VIEW 3



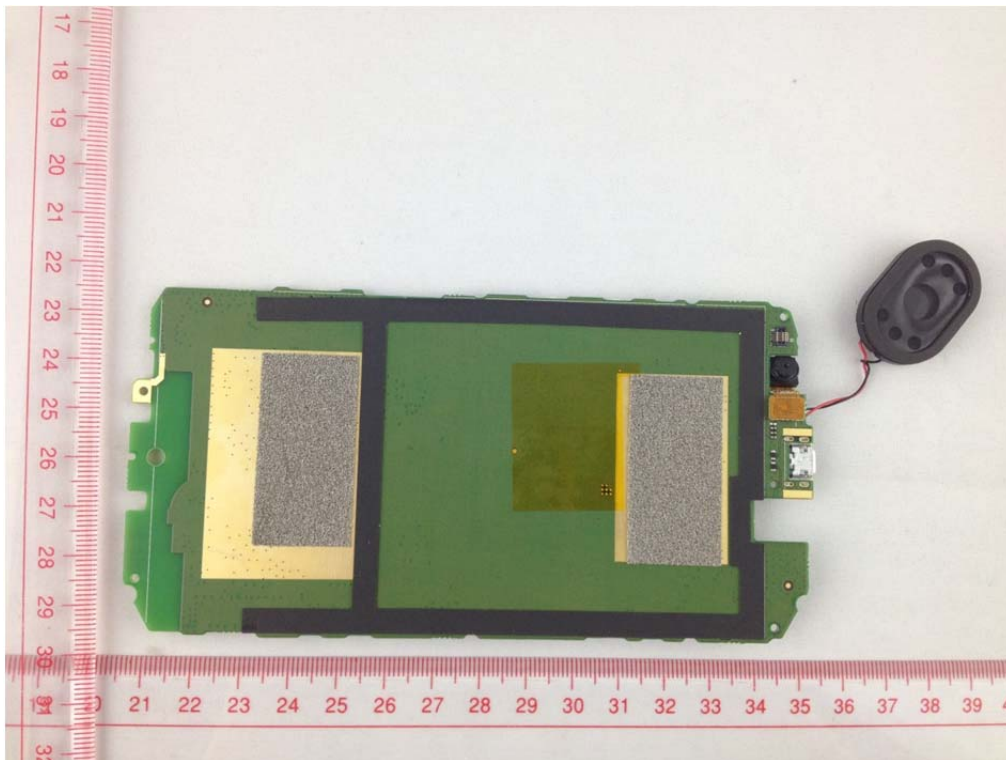
BATTERY



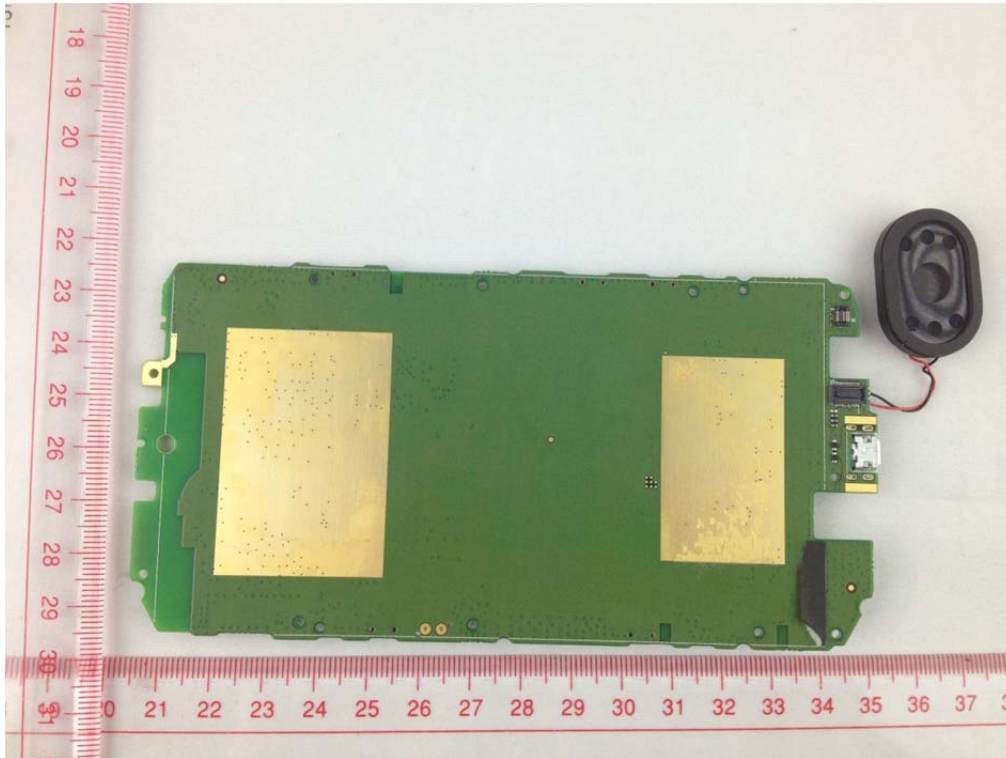
ANTENNA



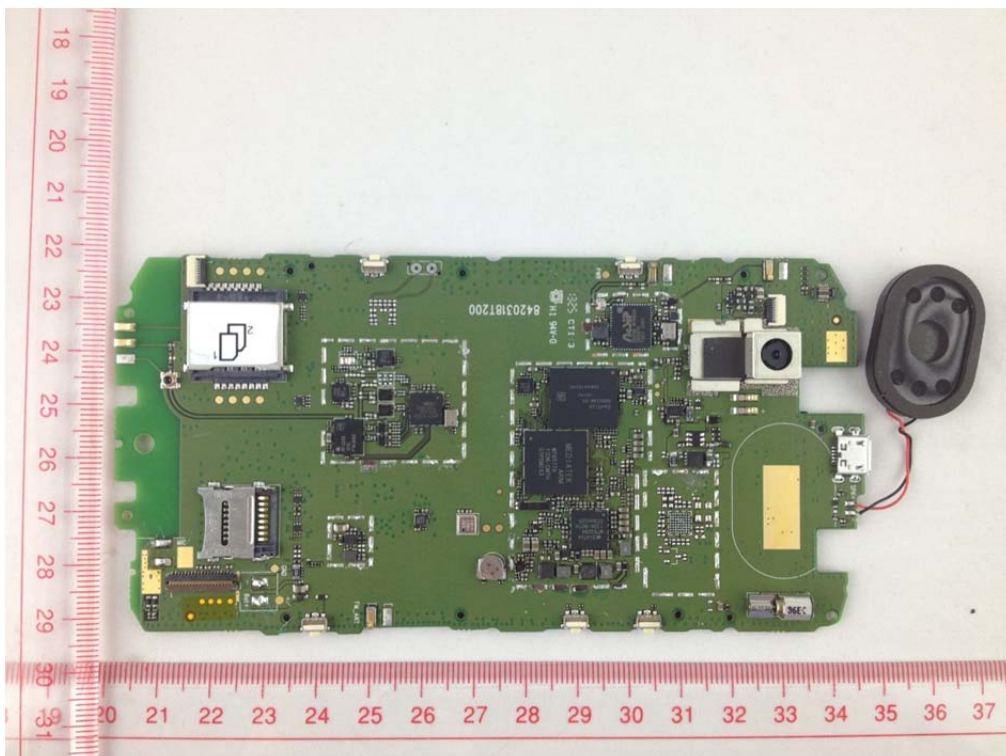
MAIN BOARD TOP VIEW 1



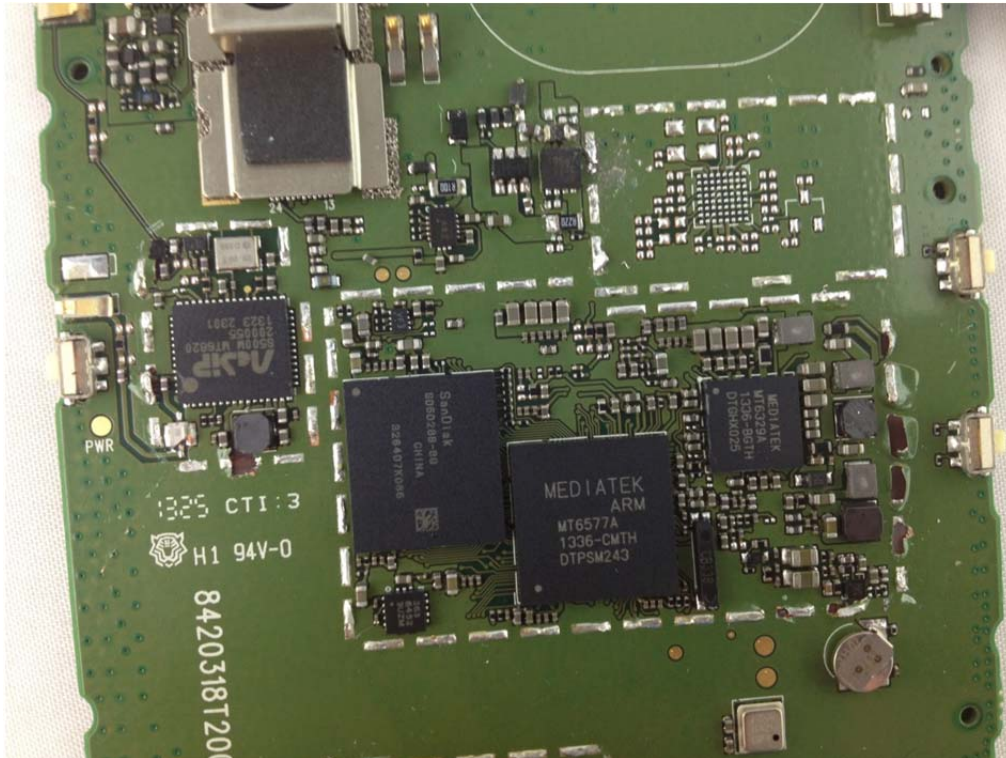
MAIN BOARD BACK VIEW 1



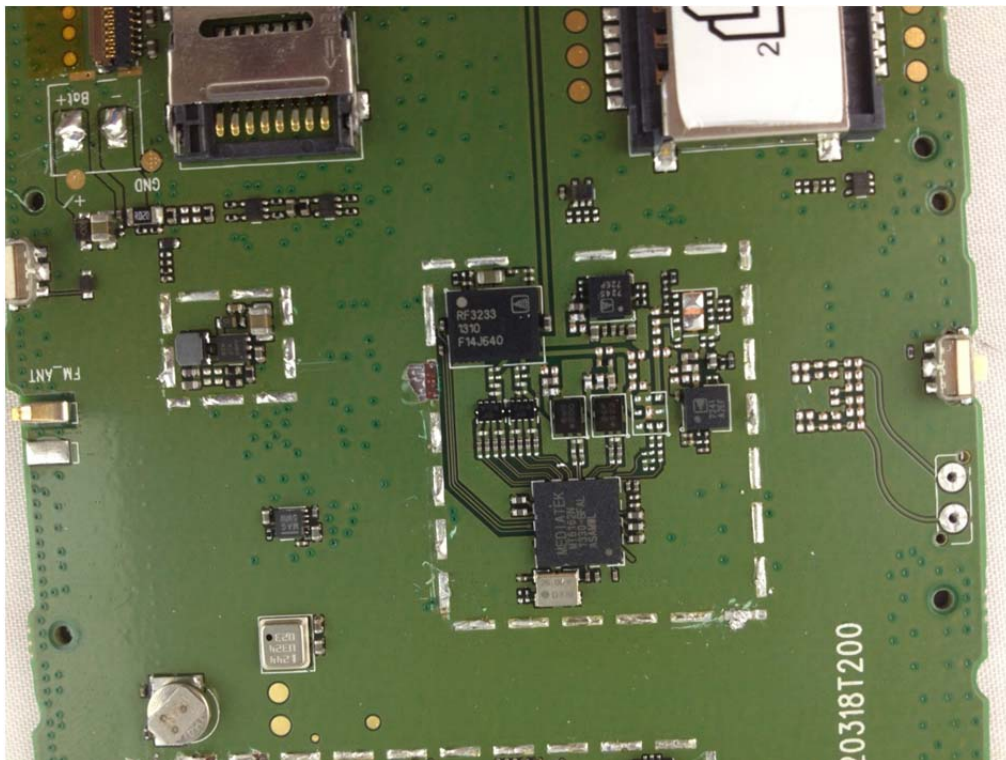
MAIN BOARD TOP VIEW 2



MAIN BOARD TOP VIEW 3



MAIN BOARD TOP VIEW 4



MAIN BOARD TOP VIEW 5

--END OF REPORT--