

FCC

EMC

TEST REPORT

ISSUED BY  
Shenzhen BALUN Technology Co., Ltd.



FOR  
**Mobile Phone**

ISSUED TO  
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS  
CORP., LTD

NO.18 HAIBIN ROAD, WUSHA, CHANG'AN, DONGGUAN,  
GUANGDONG, CHINA



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Date

*May 6, 2015*

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Date

*May 6, 2015*

Report No.: BL-SZ1540056-401

EUT Type: Mobile Phone

Model Name: OPPO 1206

Brand Name: OPPO

Test Standard: 47 CFR Part 15 Subpart B

FCC ID: R9C-1206

Test conclusion: Pass

Test Date: Apr. 10, 2015 ~ Apr. 23, 2015

Date of Issue: May. 6, 2015

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### Revision History

| Version        | Issue Date           | Revisions               |
|----------------|----------------------|-------------------------|
| <u>Rev. 01</u> | <u>Apr. 24, 2015</u> | <u>Initial Issue</u>    |
| <u>Rev. 02</u> | <u>May. 6, 2015</u>  | <u>The Second Issue</u> |

## TABLE OF CONTENTS

|         |  |    |
|---------|--|----|
| 1       | GENERAL INFORMATION .....                                | 4  |
| 1.1     | Identification of the Testing Laboratory .....           | 4  |
| 1.2     | Identification of the Responsible Testing Location ..... | 4  |
| 1.3     | Announce .....   | 4  |
| 2       | PRODUCT INFORMATION .....                                | 5  |
| 2.1     | Applicant .....  | 5  |
| 2.2     | Manufacturer .....                                       | 5  |
| 2.3     | General Description for Equipment under Test (EUT) ..... | 5  |
| 2.4     | Ancillary Equipment .....                                | 5  |
| 3       | SUMMARY OF TEST RESULTS.....                             | 7  |
| 3.1     | Test Standards .....                                     | 7  |
| 3.2     | Verdict .....  | 7  |
| 3.3     | Test Uncertainty .....                                   | 7  |
| 4       | GENERAL TEST CONFIGURATIONS.....                         | 8  |
| 4.1     | Test Environments .....                                  | 8  |
| 4.2     | Test Equipment List .....                                | 8  |
| 4.3     | Test Enclosure list.....                                 | 9  |
| 4.4     | Test Configurations .....                                | 9  |
| 4.5     | Test Setups .....  | 10 |
| 4.6     | Test Conditions .....                                    | 12 |
| 5       | TEST ITEMS.....  | 13 |
| 5.1     | Emission Tests .....                                     | 13 |
| ANNEX A | TEST RESULTS.....  | 15 |
| A.1     | Radiated Emission .....                                  | 15 |
| A.2     | Conducted Emission .....                                 | 31 |
| ANNEX B | TEST SETUP PHOTOS.....                                   | 39 |

|         |   |    |
|---------|---|----|
| B.1     | Radiated Field Strength Measurement ..... | 39 |
| B.2     | Conducted Emission .....                  | 43 |
| ANNEX C | EUT PHOTOS .....                          | 45 |
| C.1     | Appearance of the EUT.....                | 45 |
| C.2     | Inside of the EUT .....                   | 51 |

# 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 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 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD            |
| Address   | NO.18 HAIBIN ROAD, WUSHA, CHANG'AN, DONGGUAN, GUANGDONG, CHINA |

### 2.2 Manufacturer

|              |  |
|--------------|--|
| Manufacturer | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.           |
| Address      | NO.18 HAIBIN ROAD, WUSHA, CHANG'AN, DONGGUAN, GUANGDONG, CHINA |

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

|                                   |   |
|-----------------------------------|---|
| EUT Type                          | Mobile Phone  |
| Model Name                        | OPPO 1206   |
| Hardware Version                  | 11  |
| Software Version                  | ColorOS V2.0.1i   |
| The Highest Speed of Processor    | 1.2 GHz   |
| Network and Wireless connectivity | 2G Network GSM/ GPRS/ EDGE 850/900/1800/1900 MHz<br>3G Network WCDMA/ HSDPA/ HSUPA Band I/II/V/VIII<br>4G Network Band 1/4/7<br>Bluetooth V4.0 Low Energy(BLE), BT2.1+EDR, WIFI<br>GPS, Glonass |
| About the Product                 | The equipment is mobile phone, intended for used with information technology equipment.   |

### 2.4 Ancillary Equipment

|                       |                 |                              |
|-----------------------|-----------------|------------------------------|
| Ancillary Equipment 1 | Battery         |                              |
|                       | Brand Name      | OPPO                         |
|                       | Model No.       | BLP593                       |
|                       | Serial No.      | N/A                          |
|                       | Capacitance     | 2000 mAh                     |
|                       | Rated Voltage   | 3.8 V                        |
|                       | Extreme Voltage | Low: 3.6 V / High:4.35 V     |
| Ancillary Equipment 2 | Charger 1       |                              |
|                       | Brand Name      | OPPO                         |
|                       | Model No.       | AK901                        |
|                       | Rated Input     | ~ 100-240 V, 0.2 A, 50/60 Hz |
| Ancillary Equipment 3 | Charger 2       |                              |
|                       | Rated Output    | = 5 V, 1 A                   |

|                       |              |                               |
|-----------------------|--------------|-------------------------------|
|                       | Brand Name   | OPPO                          |
|                       | Model No.    | S01A22                        |
|                       | Rated Input  | ~ 100-240 V, 0.2 A, 50/60 Hz  |
|                       | Rated Output | = 5 V, 1 A                    |
| Ancillary Equipment 4 | Charger 3    |                               |
|                       | Brand Name   | OPPO                          |
|                       | Model No.    | S005SU0500100                 |
|                       | Rated Input  | ~ 100-240 V, 150 mA, 50/60 Hz |
|                       | Rated Output | = 5V, 1 A                     |
| Ancillary Equipment 5 | Earphone     |                               |
|                       | Length       | 1.2 m                         |
| Ancillary Equipment 6 | USB Cable    |                               |
|                       | Length       | 1.0 m                         |

### 3 SUMMARY OF TEST RESULTS

#### 3.1 Test Standards

| No. | Identity  | Document Title   |
|-----|---|--|
| 1   | FCC 47 CFR Part 15<br>Subpart B (10-1-14 Edition) | Unintentional Radiators  |
| 2   | ANSI C63.4-2014                                   | 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 (9 KHz-30 MHz) | 2.79 dB |
| Radiated emissions (30 MHz-1 GHz)  | 3.45 dB |
| Radiated emissions (1 GHz-18 GHz)  | 3.67 dB |

## 4 GENERAL TEST CONFIGURATIONS

### 4.1 Test Environments

| Environment Parameter                     | Selected Values During Tests |                |                   |                  |
|---|------------------------------|----------------|-------------------|------------------|
|   | Temperature                  | Voltage        | Relative Humidity | Ambient Pressure |
| Normal Temperature, Normal Voltage (NTNV) | 23°C~26°C                    | AC 110 V/60 Hz | 50%-55%           | 100 to 102 kPa   |

### 4.2 Test Equipment List

| Radiated Emission Test            |               |             |            |            |            |                                     |
|-----------------------------------|---------------|-------------|------------|------------|------------|-------------------------------------|
| Description                       | Manufacturer  | Model       | Serial No. | Cal. Date  | Cal. Due   | Use                                 |
| EMI Receiver                      | ROHDE&SCHWARZ | ESRP        | 101036     | 2014.07.07 | 2015.07.06 | <input checked="" type="checkbox"/> |
| Test Antenna-Loop(9 kHz-30 MHz)   | SCHWARZBECK   | FMZB 1519   | 1519-037   | 2013.07.02 | 2015.07.01 | <input checked="" type="checkbox"/> |
| Test Antenna-Bi-Log(30 MHz-3 GHz) | SCHWARZBECK   | VULB 9163   | 9163-624   | 2013.07.03 | 2015.07.02 | <input checked="" type="checkbox"/> |
| Test Antenna-Horn(1-18 GHz)       | SCHWARZBECK   | BBHA 9120D  | 9120D-1148 | 2013.07.02 | 2015.07.01 | <input checked="" type="checkbox"/> |
| Test Antenna-Horn(15-26.5 GHz)    | SCHWARZBECK   | BBHA 9170   | 9170-305   | 2013.07.02 | 2015.07.01 | <input type="checkbox"/>            |
| Anechoic Chamber                  | RAINFORD      | 9 m*6 m*6 m | N/A        | 2014.10.07 | 2015.10.06 | <input checked="" type="checkbox"/> |

| Conducted disturbance Test |               |           |            |            |            |                                     |
|----------------------------|---------------|-----------|------------|------------|------------|-------------------------------------|
| Description                | Manufacturer  | Model     | Serial No. | Cal. Date  | Cal. Due   | Use                                 |
| EMI Receiver               | ROHDE&SCHWARZ | ESRP      | 101036     | 2014.07.07 | 2015.07.06 | <input checked="" type="checkbox"/> |
| LISN                       | SCHWARZBECK   | NSLK 8127 | 8127-687   | 2014.07.07 | 2015.07.06 | <input checked="" type="checkbox"/> |
| AMN                        | SCHWARZBECK   | NNBM8124  | 8124-509   | 2014.07.07 | 2015.07.06 | <input type="checkbox"/>            |
| AMN                        | SCHWARZBECK   | NNBM8124  | 8124-510   | 2014.07.07 | 2015.07.06 | <input type="checkbox"/>            |
| ISN                        | TESEQ         | ISN T800  | 34449      | 2014.07.07 | 2015.07.06 | <input type="checkbox"/>            |
| Shielded Enclosure         | ChangNing     | CN-130701 | 130703     | N/A        | N/A        | <input checked="" 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 type="checkbox"/>            |
| Printer             | HP           | DESKJET 1000 | N/A        | N/A    | N/A                | <input type="checkbox"/>            |
| Keyboard            | Logitech     | Y-BP62a      | N/A        | N/A    | N/A                | <input type="checkbox"/>            |
| Mouse               | Logitech     | M100         | N/A        | N/A    | N/A                | <input type="checkbox"/>            |
| USB disk            | Kingston     | N/A          | N/A        | N/A    | N/A                | <input type="checkbox"/>            |
| TransFlash Card     | Kingston     | N/A          | N/A        | N/A    | N/A                | <input checked="" type="checkbox"/> |
| VGA Cable           | N/A          | N/A          | N/A        | 1.5 m  | Shielded with core | <input type="checkbox"/>            |
| HDMI Cable          | N/A          | N/A          | N/A        | 1.5 m  | Shielded with core | <input type="checkbox"/>            |
| DVI Cable           | N/A          | N/A          | N/A        | 1.5 m  | Shielded with core | <input type="checkbox"/>            |
| Coaxial video cable | N/A          | N/A          | N/A        | 2.0 m  | 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 checked="" type="checkbox"/> |

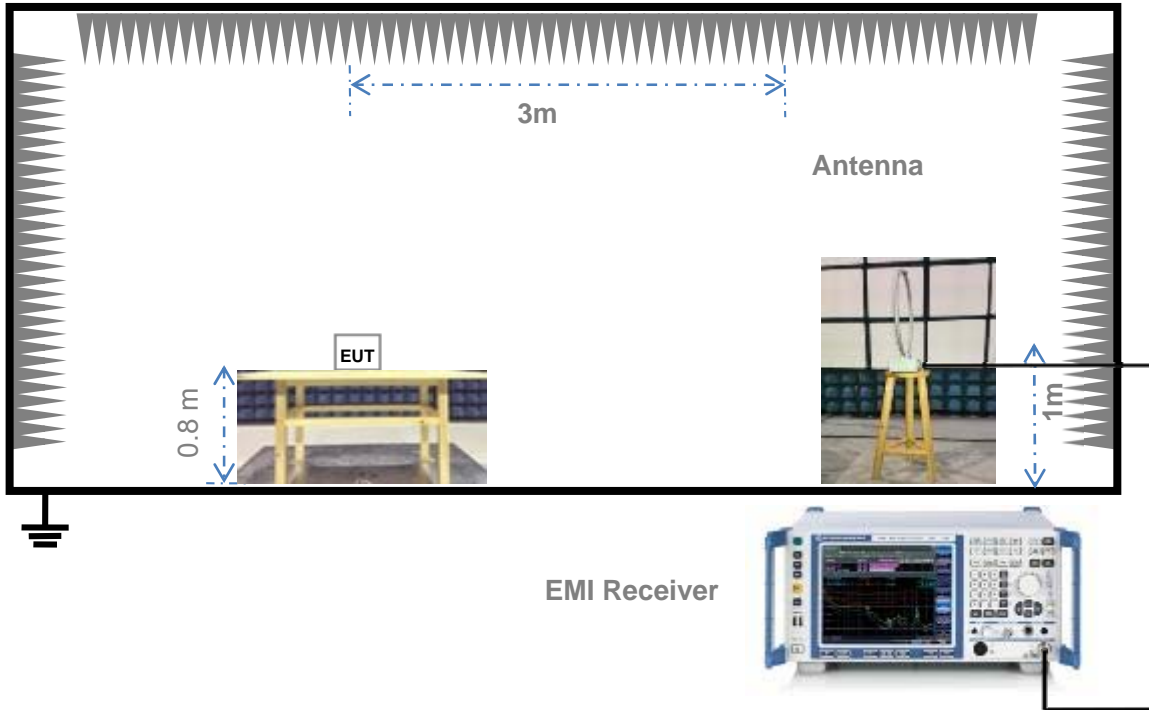
### 4.4 Test Configurations

| Test Configurations (TC) No. | Description  |
|------------------------------|--|
| TC01                         | <p><u>The USB Test mode</u></p> <p>The EUT configuration of the emission tests is TransFlash Card + EUT + Battery + laptop + Earphone.</p> <p>During the measurement, the EUT with a TransFlash Card is connected with the laptop via a USB cable, the data is transmitting between the laptop and the TransFlash Card of the EUT.</p> |
| TC02                         | <p><u>The Camera test mode</u></p> <p>The EUT configuration of the emission tests is EUT + Battery + Charger + Earphone.</p> <p>During the measurement, the EUT working by way of the Camera.</p>  |
| TC03                         | <p><u>The FM test mode</u></p> <p>The EUT configuration of the emission tests is EUT + Battery + Charger + Earphone.</p> <p>During the measurement, the FM function was active.</p>  |
| TC04                         | <p><u>The Idle test mode</u></p> <p>The EUT configuration of the emission tests is EUT + Battery + Charger + Earphone.</p> <p>During the measurement, the EUT is in the idle test mode and recharged by the AC power.</p>  |

Note: The three charge are tested in all of the test items.

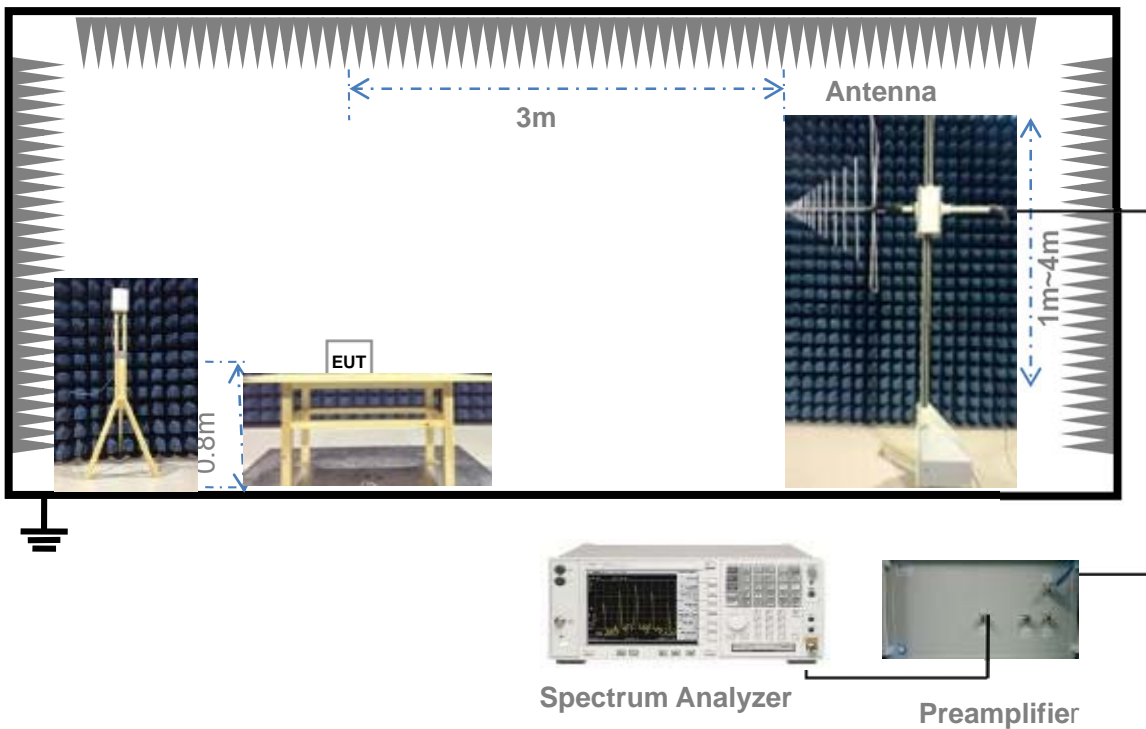
### 4.5 Test Setups

#### Test Setup 1



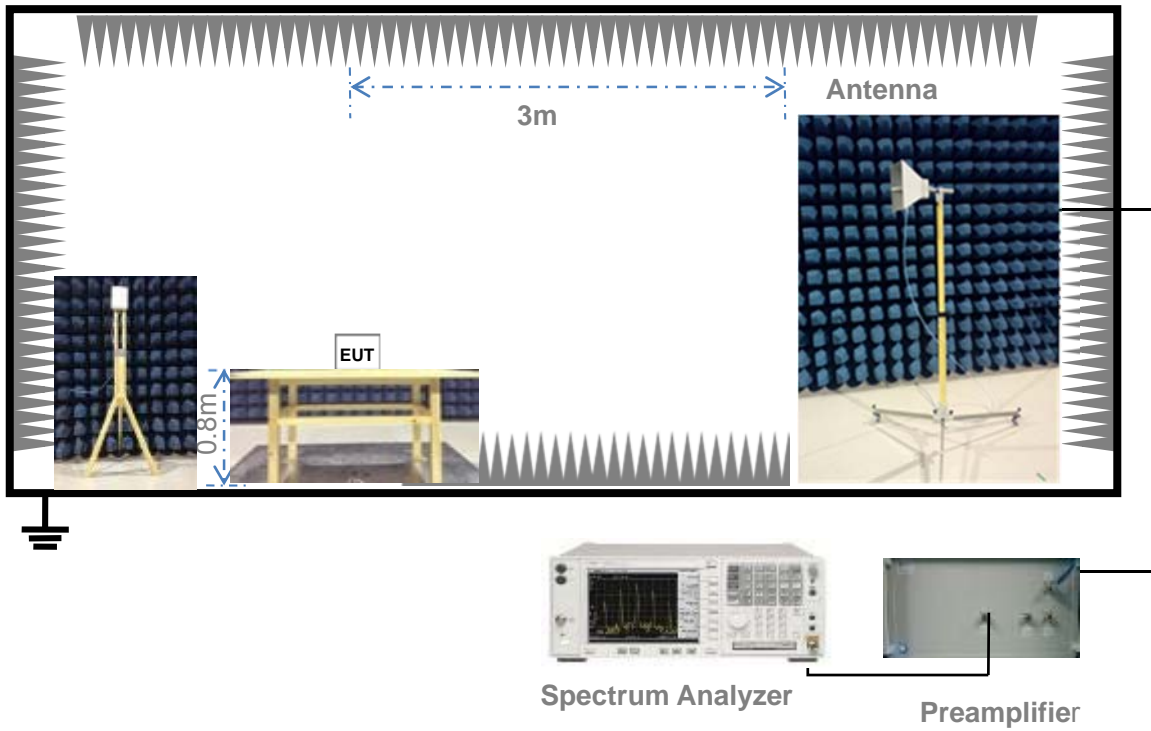
For Radiated Emission Test (Below 30 MHz)

#### Test Setup 2



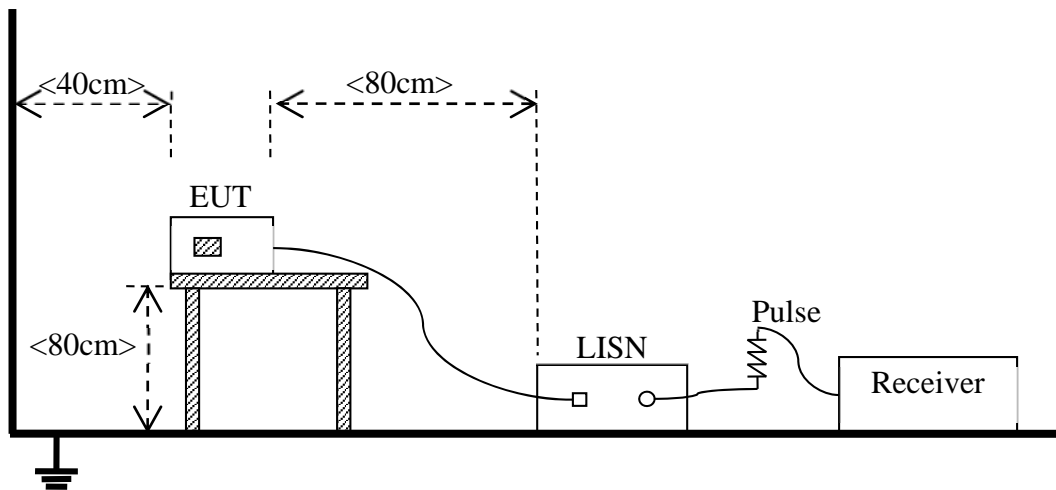
(For Radiated Emission Test (30 MHz-1 GHz))

Test Setup 3



(For Radiated Emission Test (above 1 GHz))

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~TC04 <sup>Note</sup> |
| Conducted Emission, AC Ports | Test Env.          | NTNV                      |
|                              | Test Setup         | Test Setup 4              |
|                              | Test Configuration | TC01~TC04 <sup>Note</sup> |

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. The USB test mode and camera test mode are the worst modes in this report.

## 5 TEST ITEMS

### 5.1 Emission Tests

#### 5.1.1 Radiated Emission

##### 5.1.1.1 Limit

| Frequency (MHz) | Field Strength ( $\mu\text{V}/\text{m}$ ) | 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 ( $\text{dB}\mu\text{V}/\text{m}$ ) =  $20 \cdot \log$  [Field Strength ( $\mu\text{V}/\text{m}$ )].
- 2) In the emission tables above, the tighter limit applies at the band edges.
- 3) For above 1000 MHz, limit field strength of harmonics: 54  $\text{dB}\mu\text{V}/\text{m}@3\text{ m}$  (AV) and 74  $\text{dB}\mu\text{V}/\text{m}@3\text{ m}$  (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<br>(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 - 0.50 MHz.

### 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 150 kHz to 30 MHz. 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

Note 1: The symbol of "--" in the table which means not application.

Note 2: For the test data above 1 GHz, According the ANSI C63.4-2014, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

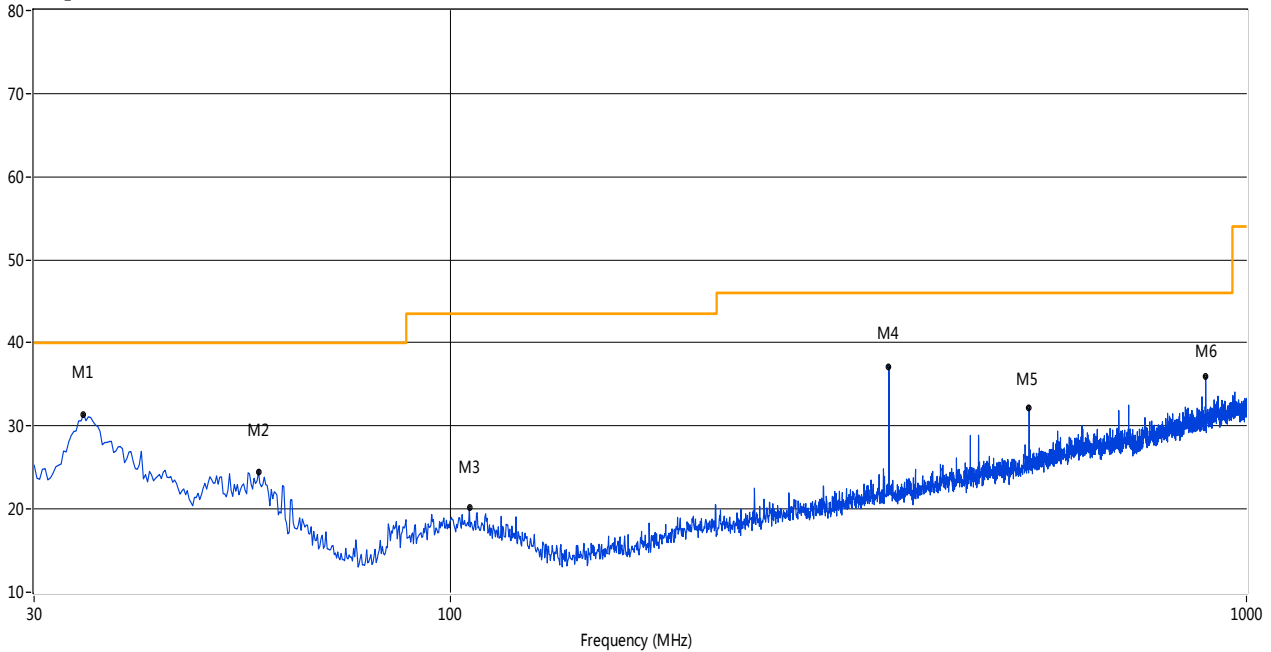
### Test Data and Plots (Below 1GHz)

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31 (o) was not reported.

The worst test mode: Camera Test Mode- AK901 Charger

#### A.1.1 Test Antenna Vertical, 30 MHz – 1 GHz

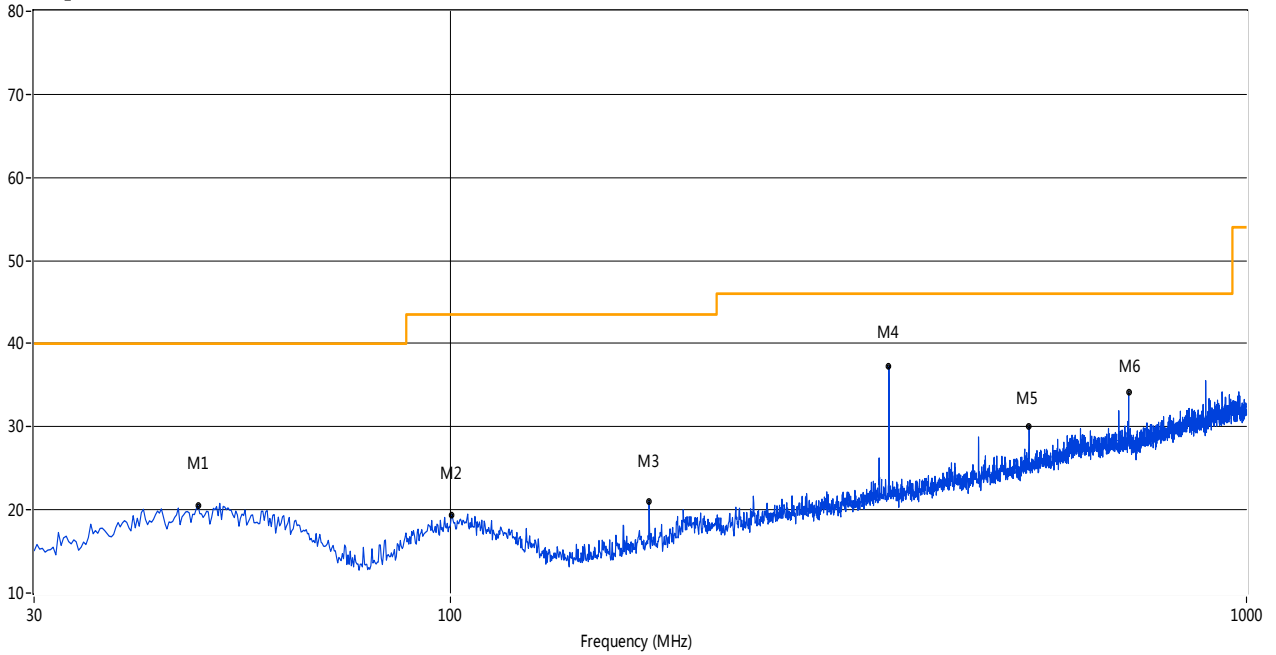
RE Test case\_FCC 15B 30MHz-1GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (o) | Height (cm) | ANT      | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|-----------|-------------|----------|---------|
| 1   | 34.61           | 31.42            | -21.38      | 40.0           | 8.58        | Peak     | 97.90     | 100         | Vertical | Pass    |
| 2   | 57.40           | 24.48            | -19.63      | 40.0           | 15.52       | Peak     | 97.90     | 100         | Vertical | Pass    |
| 3   | 105.64          | 20.16            | -20.24      | 43.5           | 23.34       | Peak     | 347.80    | 100         | Vertical | Pass    |
| 4   | 355.35          | 37.17            | -16.17      | 46.0           | 8.83        | Peak     | 325.10    | 100         | Vertical | Pass    |
| 5   | 533.30          | 32.22            | -12.35      | 46.0           | 13.78       | Peak     | 24.30     | 100         | Vertical | Pass    |
| 6   | 888.72          | 35.91            | -5.87       | 46.0           | 10.09       | Peak     | 225.10    | 100         | Vertical | Pass    |

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

RE Test case\_FCC 15B 30MHz-1GHz

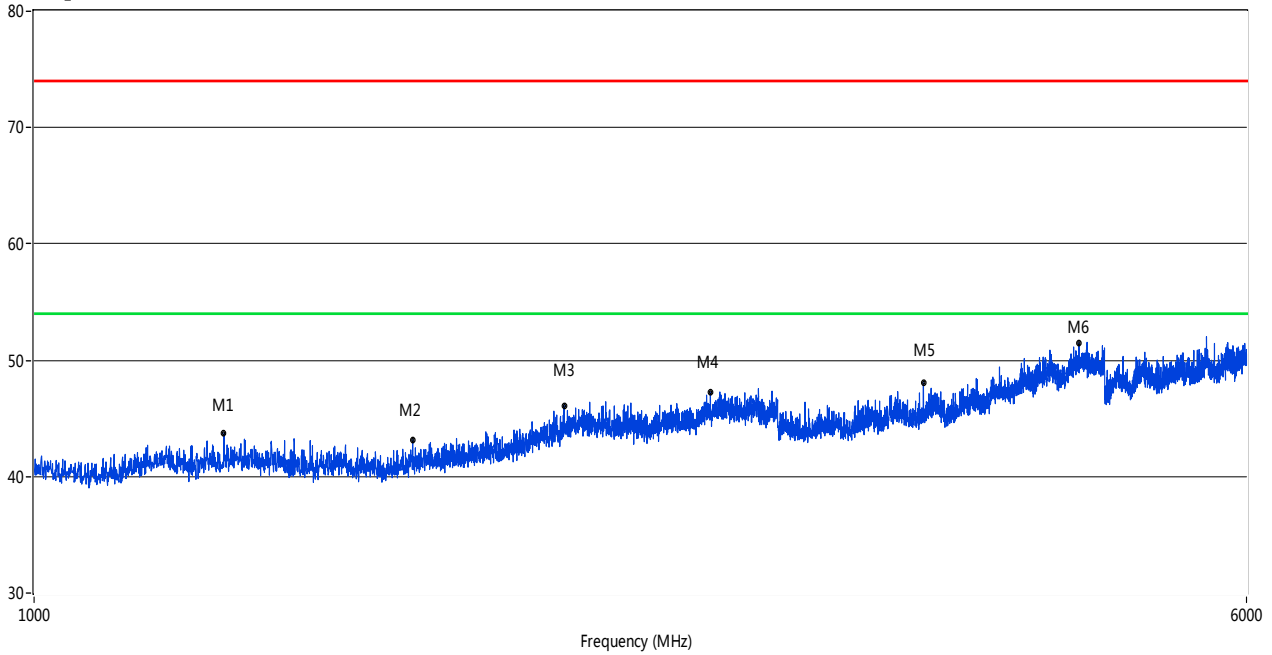


| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (o) | Height (cm) | ANT        | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|-----------|-------------|------------|---------|
| 1   | 48.18           | 20.55            | -18.65      | 40.0           | 19.45       | Peak     | 166.20    | 100         | Horizontal | Pass    |
| 2   | 100.31          | 19.41            | -20.24      | 43.5           | 24.09       | Peak     | 129.90    | 100         | Horizontal | Pass    |
| 3   | 177.65          | 21.04            | -22.16      | 43.5           | 22.46       | Peak     | 111.40    | 100         | Horizontal | Pass    |
| 4   | 355.35          | 37.28            | -16.17      | 46.0           | 8.72        | Peak     | 61.10     | 100         | Horizontal | Pass    |
| 5   | 533.30          | 30.00            | -12.35      | 46.0           | 16.00       | Peak     | 311.90    | 100         | Horizontal | Pass    |
| 6   | 711.01          | 34.15            | -8.88       | 46.0           | 11.85       | Peak     | 14.70     | 100         | Horizontal | Pass    |



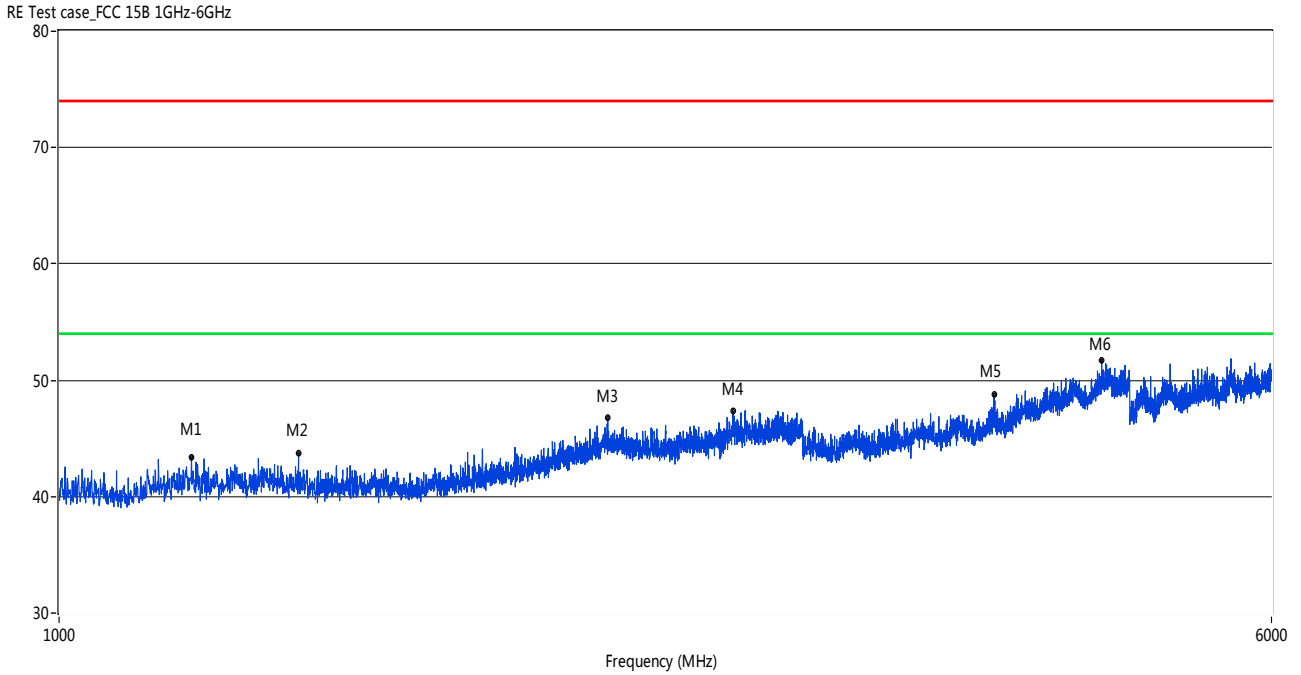
A.1.3 Test Antenna Vertical, 1 GHz – 6 GHz

RE Test case\_FCC 15B 1GHz-6GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (o) | Height (cm) | ANT      | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|-----------|-------------|----------|---------|
| 1   | 1323.92         | 43.72            | -4.79       | 74.0           | 30.28       | Peak     | 132.30    | 100         | Vertical | Pass    |
| 2   | 1749.81         | 43.15            | -3.83       | 74.0           | 30.85       | Peak     | 217.80    | 100         | Vertical | Pass    |
| 3   | 2188.20         | 46.13            | -0.78       | 74.0           | 27.87       | Peak     | 360.00    | 100         | Vertical | Pass    |
| 4   | 2716.57         | 47.24            | 1.34        | 74.0           | 26.76       | Peak     | 112.60    | 100         | Vertical | Pass    |
| 5   | 3722.07         | 48.05            | 10.30       | 74.0           | 25.95       | Peak     | 22.80     | 100         | Vertical | Pass    |
| 6   | 4683.33         | 51.48            | 13.17       | 74.0           | 22.52       | Peak     | 271.00    | 100         | Vertical | Pass    |

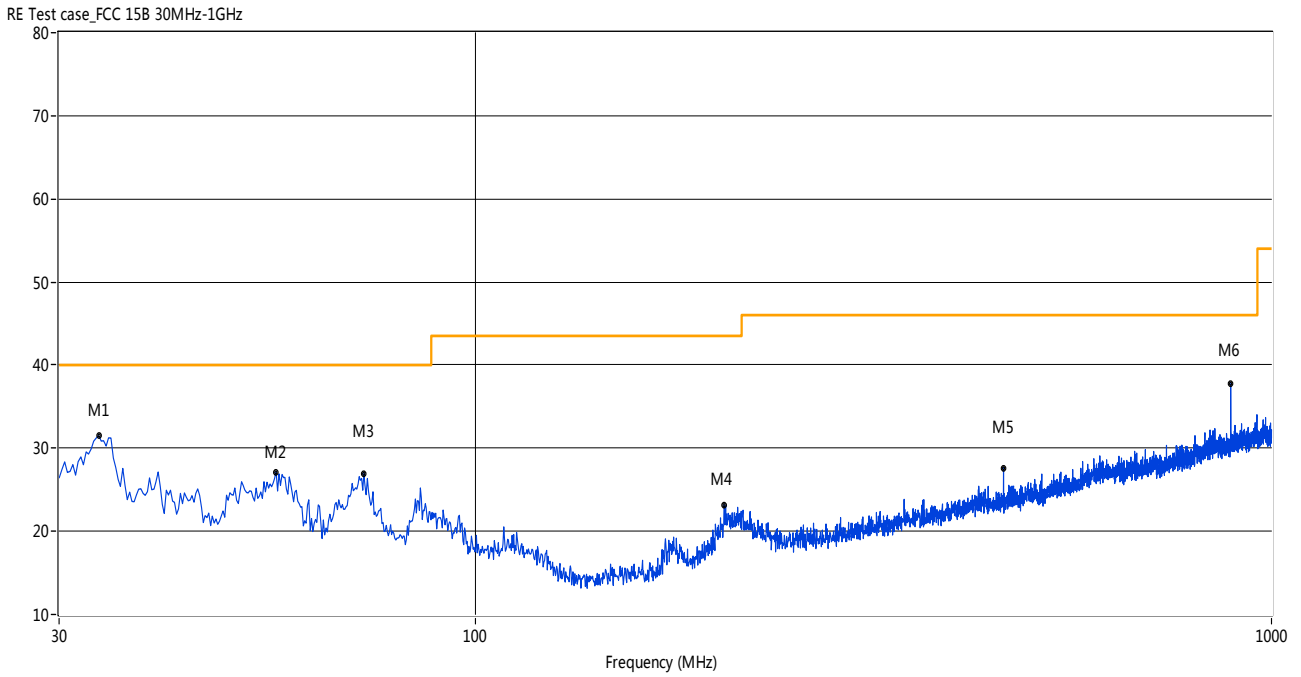
A.1.4 Test Antenna Horizontal, 1 GHz – 6 GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (o) | Height (cm) | ANT        | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|-----------|-------------|------------|---------|
| 1   | 1215.95         | 43.35            | -5.09       | 74.0           | 30.65       | Peak     | -0.00     | 100         | Horizontal | Pass    |
| 2   | 1424.39         | 43.71            | -4.67       | 74.0           | 30.29       | Peak     | 0.90      | 100         | Horizontal | Pass    |
| 3   | 2249.19         | 46.74            | -0.38       | 74.0           | 27.26       | Peak     | 123.30    | 100         | Horizontal | Pass    |
| 4   | 2706.57         | 47.34            | 1.71        | 74.0           | 26.66       | Peak     | 195.80    | 100         | Horizontal | Pass    |
| 5   | 3981.50         | 48.75            | 11.05       | 74.0           | 25.25       | Peak     | 131.80    | 100         | Horizontal | Pass    |
| 6   | 4668.33         | 51.70            | 13.13       | 74.0           | 22.30       | Peak     | 360.00    | 100         | Horizontal | Pass    |

The worst test mode: Camera Test Mode- S005SU0500100 Charger

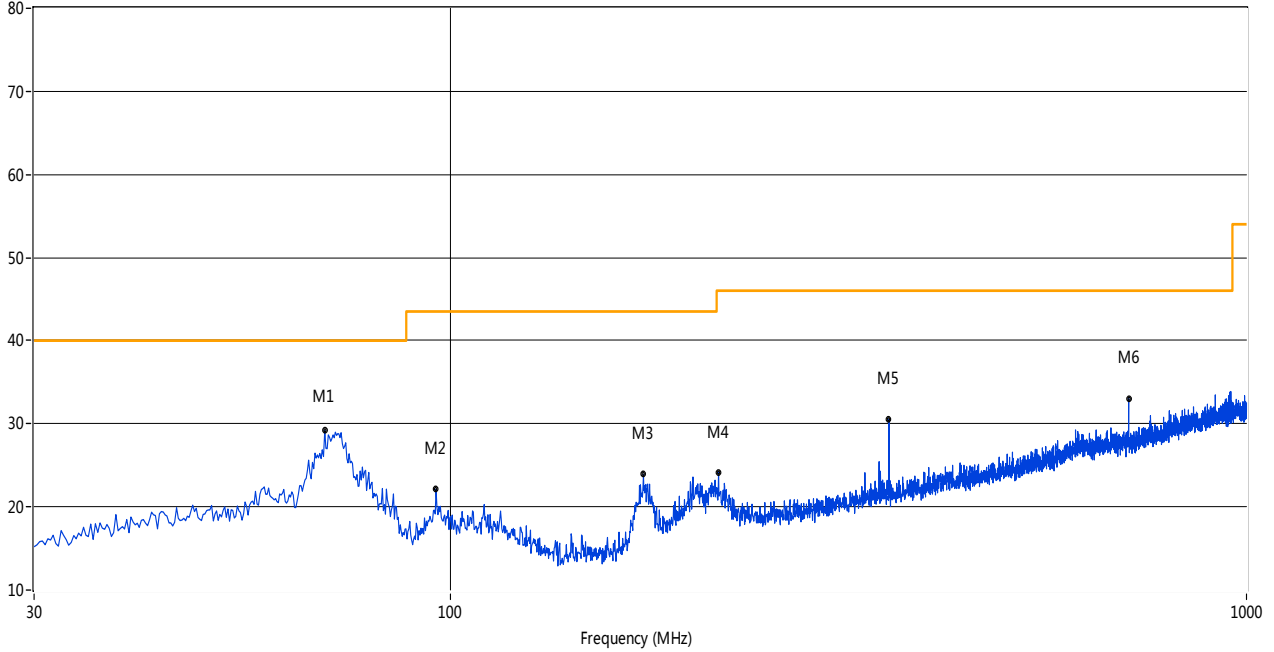
A.1.5 Test Antenna Vertical, 30 MHz – 1 GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (o) | Height (cm) | ANT      | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|-----------|-------------|----------|---------|
| 1   | 33.64           | 31.06            | -21.68      | 40.0           | 8.94        | Peak     | 103.20    | 100         | Vertical | Pass    |
| 2   | 56.18           | 27.15            | -19.34      | 40.0           | 12.85       | Peak     | 57.10     | 100         | Vertical | Pass    |
| 3   | 72.43           | 26.95            | -23.63      | 40.0           | 13.05       | Peak     | 293.00    | 100         | Vertical | Pass    |
| 4   | 205.28          | 23.20            | -20.12      | 43.5           | 20.30       | Peak     | 352.70    | 100         | Vertical | Pass    |
| 5   | 460.57          | 27.66            | -14.24      | 46.0           | 18.34       | Peak     | -0.00     | 100         | Vertical | Pass    |
| 6   | 888.72          | 37.73            | -5.87       | 46.0           | 8.27        | Peak     | 232.50    | 100         | Vertical | Pass    |

## A.1.6 Test Antenna Horizontal, 30 MHz – 1 GHz

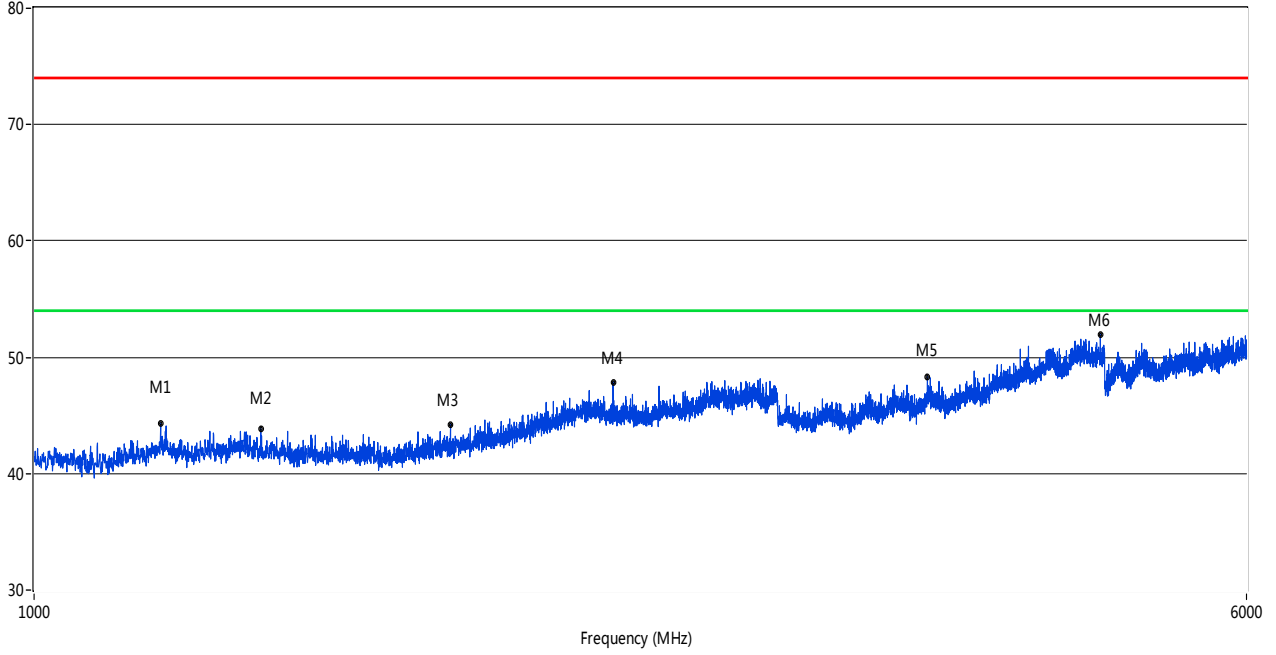
RE Test case\_FCC 15B 30MHz-1GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (o) | Height (cm) | ANT        | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|-----------|-------------|------------|---------|
| 1   | 69.52           | 29.19            | -22.47      | 40.0           | 10.81       | Peak     | 333.00    | 100         | Horizontal | Pass    |
| 2   | 95.94           | 22.14            | -20.82      | 43.5           | 21.36       | Peak     | 318.90    | 100         | Horizontal | Pass    |
| 3   | 174.74          | 23.90            | -22.40      | 43.5           | 19.60       | Peak     | 62.40     | 100         | Horizontal | Pass    |
| 4   | 217.16          | 24.15            | -20.01      | 46.0           | 21.85       | Peak     | 67.30     | 100         | Horizontal | Pass    |
| 5   | 355.35          | 30.54            | -16.17      | 46.0           | 15.46       | Peak     | 99.70     | 100         | Horizontal | Pass    |
| 6   | 711.01          | 33.04            | -8.88       | 46.0           | 12.96       | Peak     | 1.70      | 100         | Horizontal | Pass    |

A.1.7 Test Antenna Vertical, 1 GHz – 6 GHz

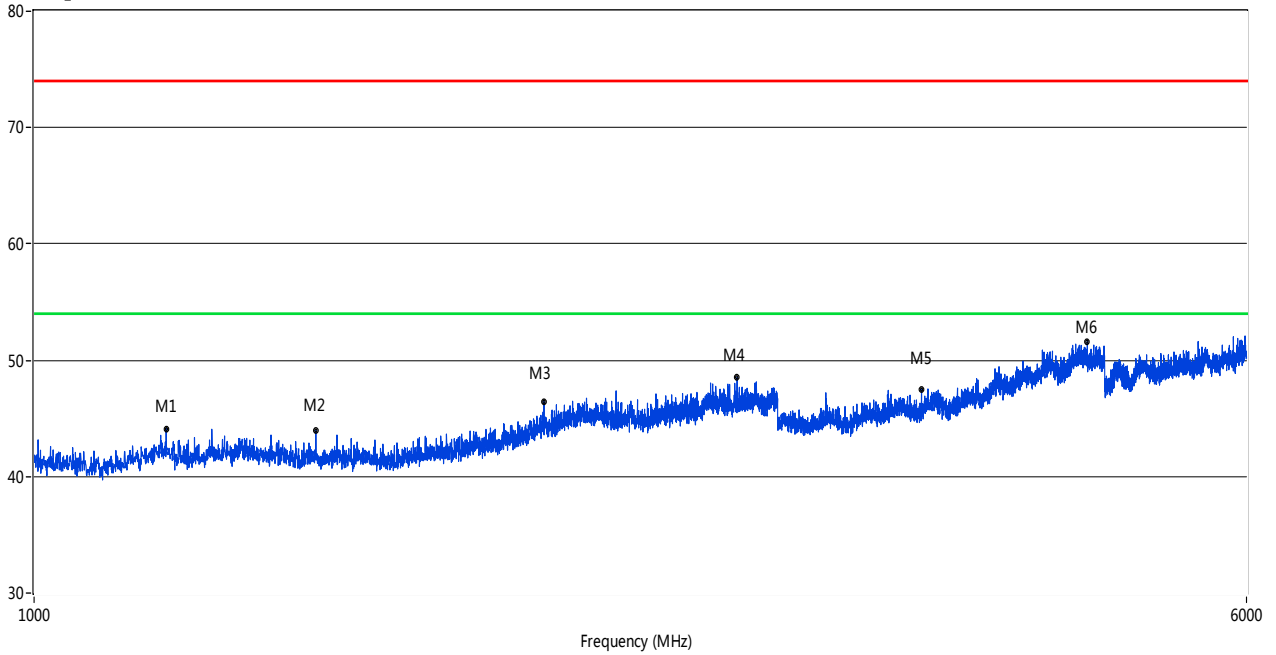
RE Test case\_FCC 15B 1GHz-6GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (o) | Height (cm) | ANT      | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|-----------|-------------|----------|---------|
| 1   | 1205.45         | 44.29            | -5.21       | 74.0           | 29.71       | Peak     | 25.10     | 100         | Vertical | Pass    |
| 2   | 1397.90         | 43.86            | -4.56       | 74.0           | 30.14       | Peak     | 295.70    | 100         | Vertical | Pass    |
| 3   | 1850.29         | 44.24            | -3.11       | 74.0           | 29.76       | Peak     | 150.70    | 100         | Vertical | Pass    |
| 4   | 2352.66         | 47.86            | -0.75       | 74.0           | 26.14       | Peak     | 3.10      | 100         | Vertical | Pass    |
| 5   | 3743.81         | 48.34            | 10.73       | 74.0           | 25.66       | Peak     | 253.80    | 100         | Vertical | Pass    |
| 6   | 4834.04         | 51.96            | 13.68       | 74.0           | 22.04       | Peak     | 306.90    | 100         | Vertical | Pass    |

A.1.8 Test Antenna Horizontal, 1 GHz – 6 GHz

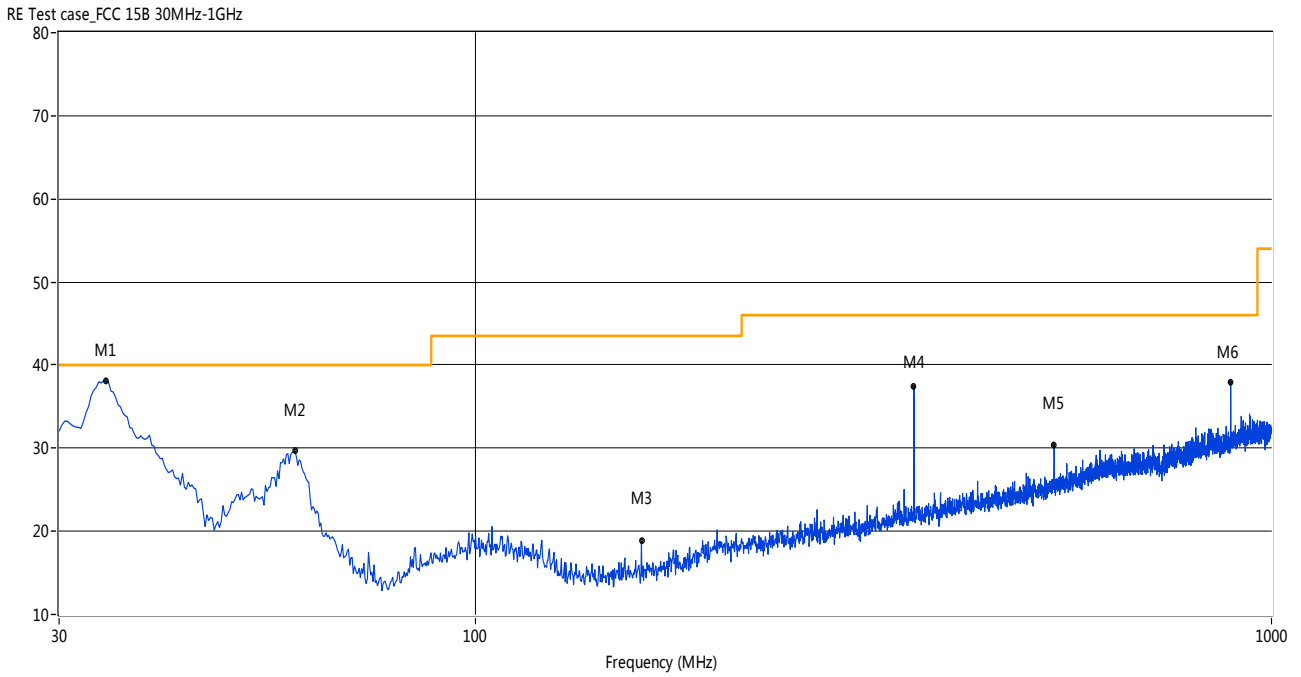
RE Test case\_FCC 15B 1GHz-6GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (o) | Height (cm) | ANT        | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|-----------|-------------|------------|---------|
| 1   | 1215.45         | 44.14            | -5.07       | 74.0           | 29.86       | Peak     | 341.20    | 100         | Horizontal | Pass    |
| 2   | 1516.37         | 43.97            | -4.39       | 74.0           | 30.03       | Peak     | 254.60    | 100         | Horizontal | Pass    |
| 3   | 2124.22         | 46.46            | -1.06       | 74.0           | 27.54       | Peak     | 314.70    | 100         | Horizontal | Pass    |
| 4   | 2826.04         | 48.54            | 1.97        | 74.0           | 25.46       | Peak     | 41.50     | 100         | Horizontal | Pass    |
| 5   | 3711.57         | 47.49            | 10.46       | 74.0           | 26.51       | Peak     | 346.60    | 100         | Horizontal | Pass    |
| 6   | 4741.81         | 51.61            | 13.44       | 74.0           | 22.39       | Peak     | 228.50    | 100         | Horizontal | Pass    |

The worst test mode: Camera Test Mode- S01A22 Charger

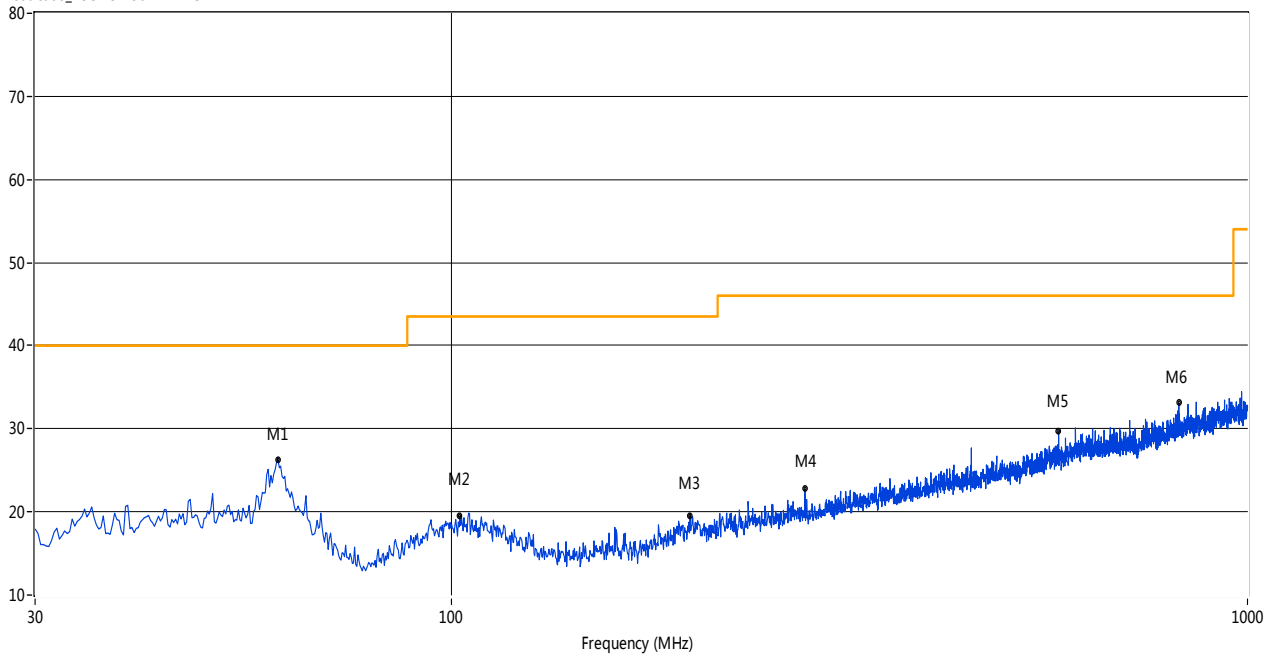
A.1.9 Test Antenna Vertical, 30 MHz – 1 GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (o) | Height (cm) | ANT      | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|-----------|-------------|----------|---------|
| 1   | 34.36           | 38.04            | -21.46      | 40.0           | 1.96        | Peak     | 359.20    | 100         | Vertical | Pass    |
| 1*  | 34.36           | 35.54            | -21.46      | 40.0           | 4.46        | QP       | 359.20    | 100         | Vertical | Pass    |
| 2   | 59.34           | 29.69            | -20.02      | 40.0           | 10.31       | Peak     | 190.40    | 100         | Vertical | Pass    |
| 3   | 161.64          | 18.81            | -23.02      | 43.5           | 24.69       | Peak     | 126.00    | 100         | Vertical | Pass    |
| 4   | 355.35          | 37.41            | -16.17      | 46.0           | 8.59        | Peak     | 359.20    | 100         | Vertical | Pass    |
| 5   | 533.30          | 30.44            | -12.35      | 46.0           | 15.56       | Peak     | 121.40    | 100         | Vertical | Pass    |
| 6   | 888.72          | 38.01            | -5.87       | 46.0           | 7.99        | Peak     | 268.50    | 100         | Vertical | Pass    |

## A.1.10 Test Antenna Horizontal, 30 MHz – 1 GHz

RE Test case\_FCC 15B 30MHz-1GHz

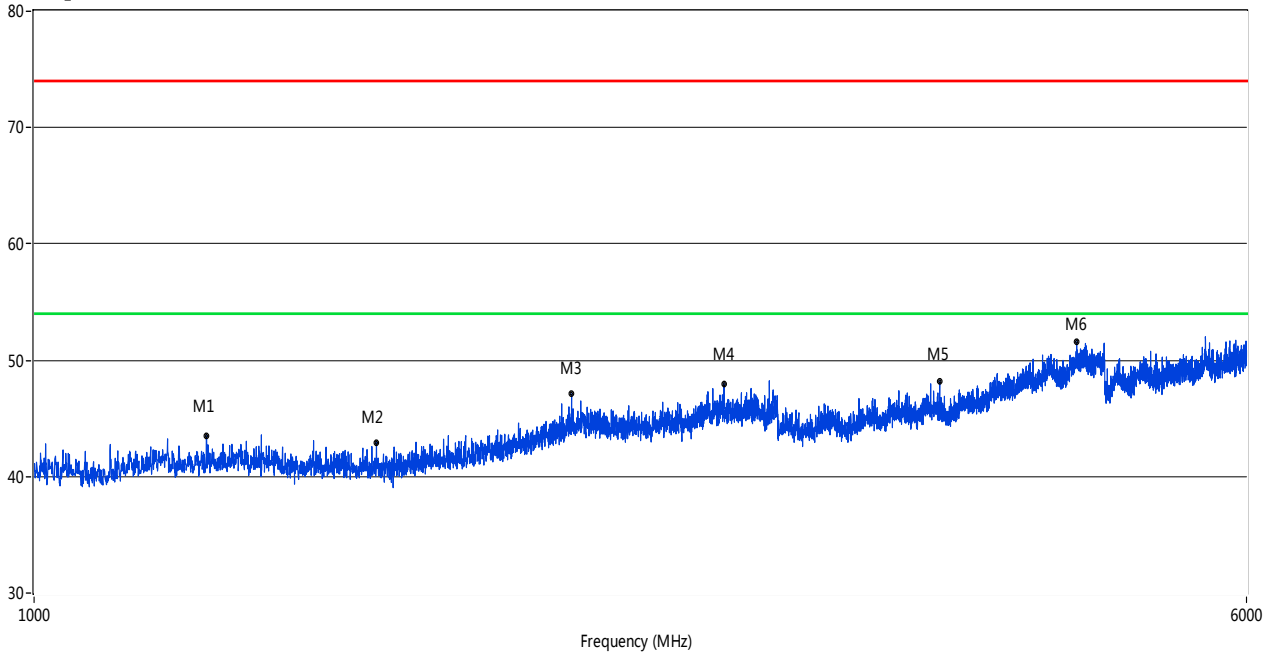


| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (o) | Height (cm) | ANT        | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|-----------|-------------|------------|---------|
| 1   | 60.55           | 26.33            | -20.13      | 40.0           | 13.67       | Peak     | 326.00    | 100         | Horizontal | Pass    |
| 2   | 102.49          | 19.53            | -20.25      | 43.5           | 23.97       | Peak     | 358.50    | 100         | Horizontal | Pass    |
| 3   | 199.47          | 19.56            | -20.25      | 43.5           | 23.94       | Peak     | 165.60    | 100         | Horizontal | Pass    |
| 4   | 278.02          | 22.79            | -18.42      | 46.0           | 23.21       | Peak     | 349.00    | 100         | Horizontal | Pass    |
| 5   | 579.13          | 29.69            | -11.51      | 46.0           | 16.31       | Peak     | 233.80    | 100         | Horizontal | Pass    |
| 6   | 819.63          | 33.09            | -7.09       | 46.0           | 12.91       | Peak     | 275.30    | 100         | Horizontal | Pass    |



A.1.11 Test Antenna Vertical, 1 GHz – 6 GHz

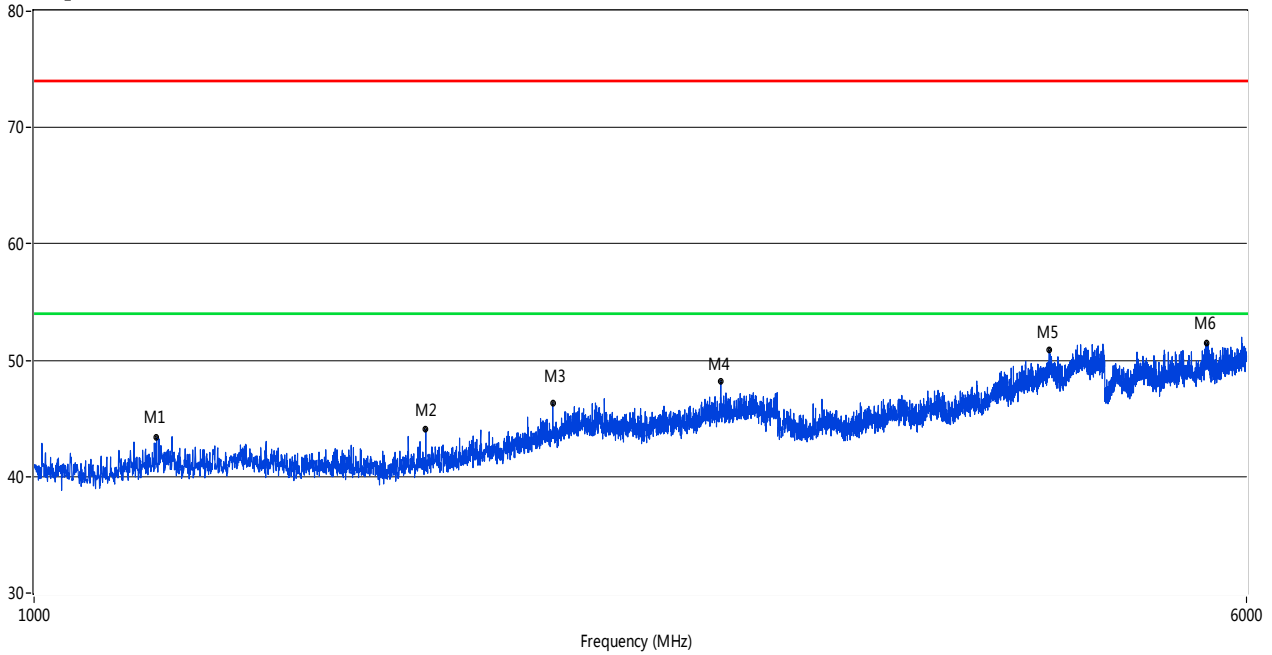
RE Test case\_FCC 15B 1GHz-6GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (o) | Height (cm) | ANT      | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|-----------|-------------|----------|---------|
| 1   | 1289.93         | 43.49            | -4.79       | 74.0           | 30.51       | Peak     | 284.60    | 100         | Vertical | Pass    |
| 2   | 1658.34         | 42.94            | -4.09       | 74.0           | 31.06       | Peak     | 205.80    | 100         | Vertical | Pass    |
| 3   | 2212.70         | 47.11            | -0.17       | 74.0           | 26.89       | Peak     | 317.30    | 100         | Vertical | Pass    |
| 4   | 2772.06         | 47.98            | 1.53        | 74.0           | 26.02       | Peak     | 60.90     | 100         | Vertical | Pass    |
| 5   | 3812.80         | 48.19            | 10.69       | 74.0           | 25.81       | Peak     | 195.40    | 100         | Vertical | Pass    |
| 6   | 4668.33         | 51.57            | 13.13       | 74.0           | 22.43       | Peak     | 243.30    | 100         | Vertical | Pass    |

A.1.12 Test Antenna Horizontal, 1 GHz – 6 GHz

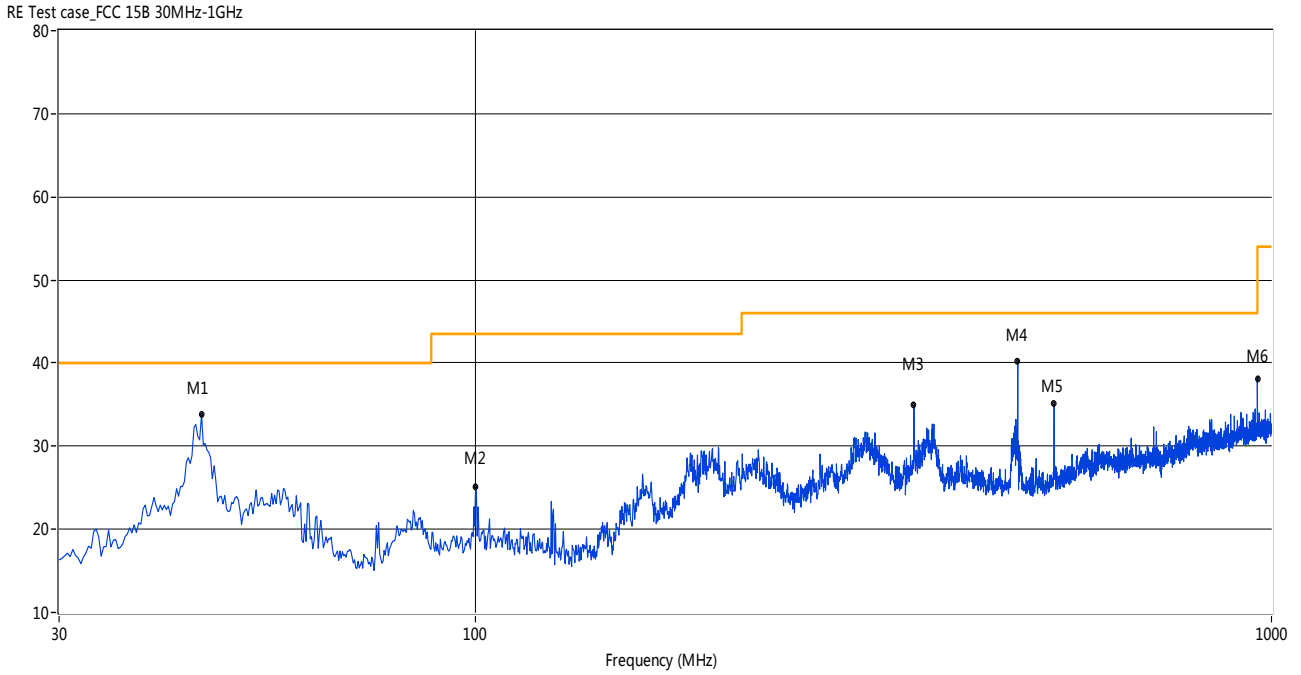
RE Test case\_FCC 15B 1GHz-6GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (o) | Height (cm) | ANT        | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|-----------|-------------|------------|---------|
| 1   | 1198.45         | 43.36            | -5.32       | 74.0           | 30.64       | Peak     | 150.40    | 100         | Horizontal | Pass    |
| 2   | 1783.80         | 44.04            | -3.74       | 74.0           | 29.96       | Peak     | 1.50      | 100         | Horizontal | Pass    |
| 3   | 2152.21         | 46.30            | -1.11       | 74.0           | 27.70       | Peak     | 341.80    | 100         | Horizontal | Pass    |
| 4   | 2758.56         | 48.16            | 1.94        | 74.0           | 25.84       | Peak     | 229.80    | 100         | Horizontal | Pass    |
| 5   | 4482.38         | 50.87            | 12.70       | 74.0           | 23.13       | Peak     | 44.80     | 100         | Horizontal | Pass    |
| 6   | 5655.84         | 51.43            | 15.58       | 74.0           | 22.57       | Peak     | 111.10    | 100         | Horizontal | Pass    |

The worst test mode: USB Test Mode

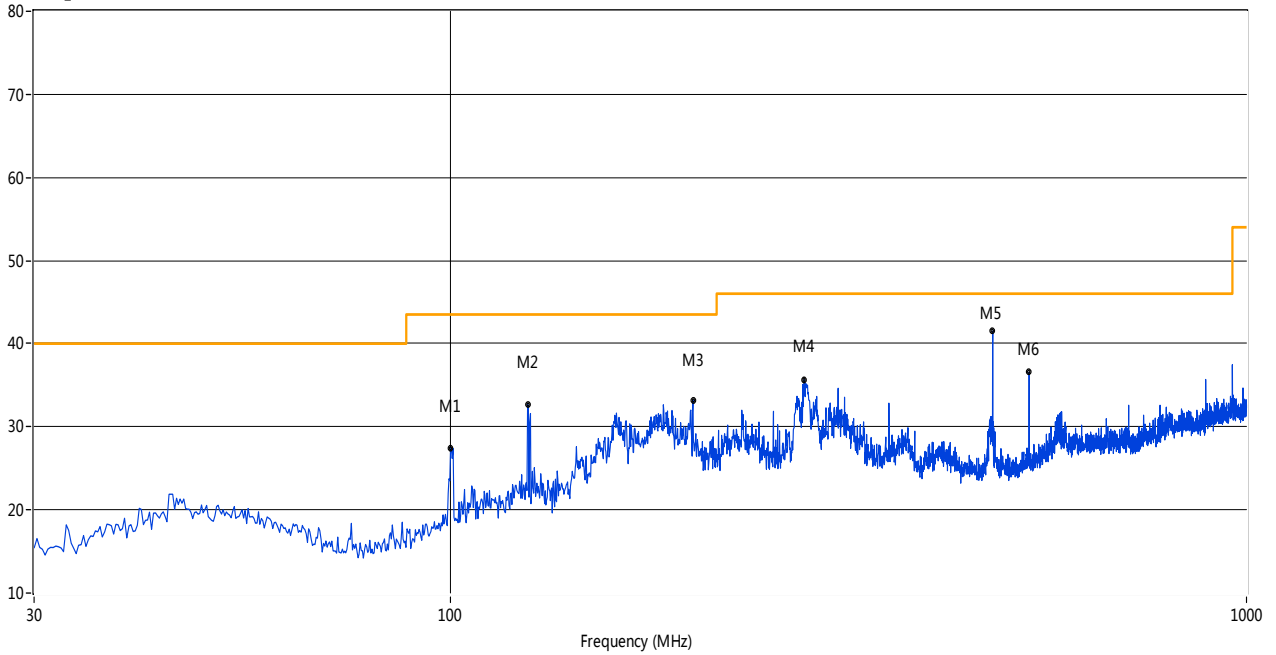
A.1.13 Test Antenna Vertical, 30 MHz – 1 GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (o) | Height (cm) | ANT      | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|-----------|-------------|----------|---------|
| 1   | 45.27           | 33.81            | -18.79      | 40.0           | 6.19        | Peak     | 22.10     | 100         | Vertical | Pass    |
| 2   | 100.06          | 25.17            | -20.26      | 43.5           | 18.33       | Peak     | 326.20    | 100         | Vertical | Pass    |
| 3   | 355.35          | 34.91            | -16.17      | 46.0           | 11.09       | Peak     | 359.20    | 100         | Vertical | Pass    |
| 4   | 479.97          | 40.26            | -13.81      | 46.0           | 5.74        | Peak     | 335.50    | 100         | Vertical | Pass    |
| 5   | 533.30          | 35.10            | -12.35      | 46.0           | 10.90       | Peak     | 271.00    | 100         | Vertical | Pass    |
| 6   | 959.75          | 38.12            | -5.02       | 46.0           | 7.88        | Peak     | 31.30     | 100         | Vertical | Pass    |

## A.1.14 Test Antenna Horizontal, 30 MHz – 1 GHz

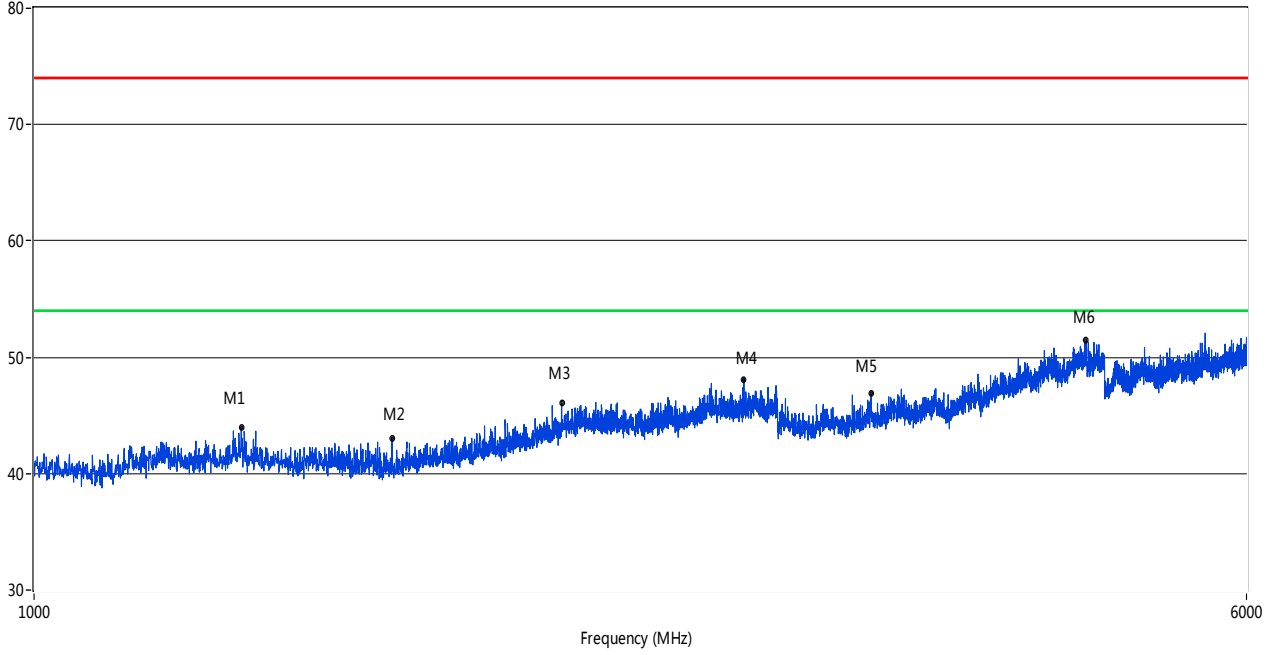
RE Test case\_FCC 15B 30MHz-1GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (o) | Height (cm) | ANT        | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|-----------|-------------|------------|---------|
| 1   | 100.06          | 27.44            | -20.26      | 43.5           | 16.06       | Peak     | 357.40    | 100         | Horizontal | Pass    |
| 2   | 125.04          | 32.73            | -22.49      | 43.5           | 10.77       | Peak     | 316.50    | 100         | Horizontal | Pass    |
| 3   | 201.65          | 33.20            | -20.19      | 43.5           | 10.30       | Peak     | 316.50    | 100         | Horizontal | Pass    |
| 4   | 278.26          | 35.66            | -18.41      | 46.0           | 10.34       | Peak     | 178.70    | 100         | Horizontal | Pass    |
| 5   | 479.97          | 41.52            | -13.81      | 46.0           | 4.48        | Peak     | 252.00    | 100         | Horizontal | Pass    |
| 6   | 533.30          | 36.56            | -12.35      | 46.0           | 9.44        | Peak     | 1.60      | 100         | Horizontal | Pass    |

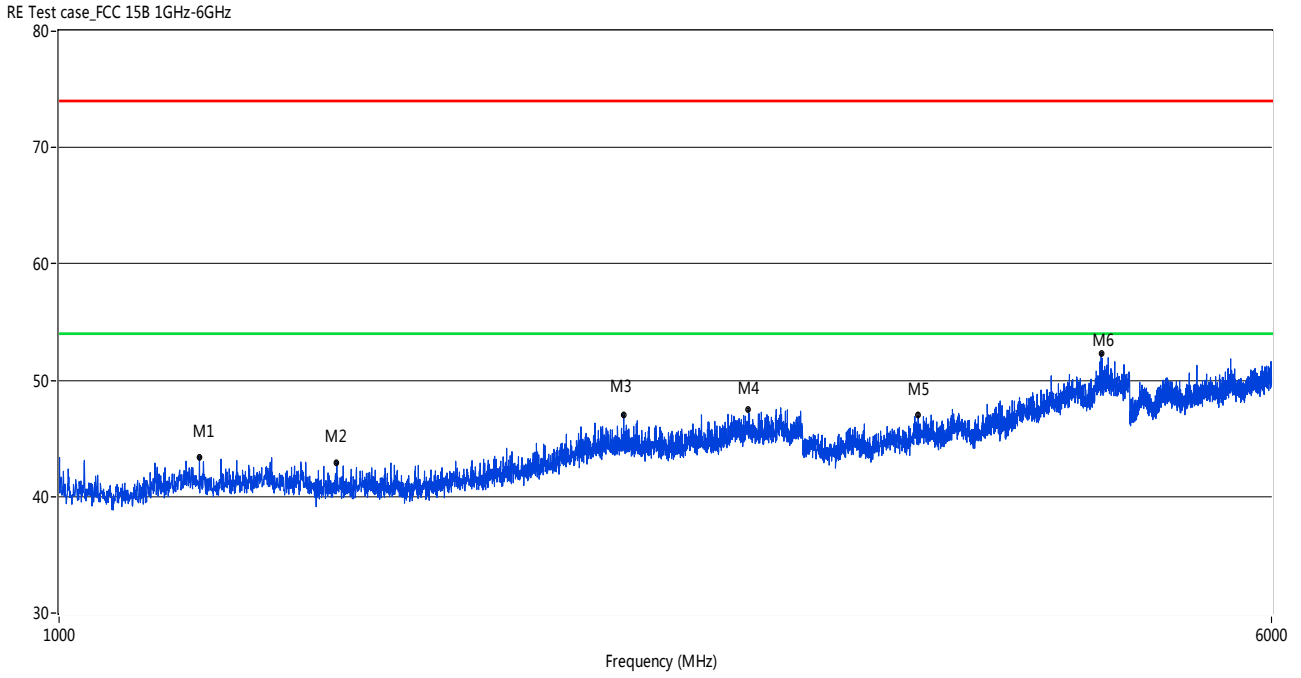
A.1.15 Test Antenna Vertical, 1 GHz – 6 GHz

RE Test case\_FCC 15B 1GHz-6GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (o) | Height (cm) | ANT      | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|-----------|-------------|----------|---------|
| 1   | 1357.91         | 44.01            | -4.42       | 74.0           | 29.99       | Peak     | 359.70    | 100         | Vertical | Pass    |
| 2   | 1696.83         | 43.04            | -4.17       | 74.0           | 30.96       | Peak     | 31.90     | 100         | Vertical | Pass    |
| 3   | 2180.70         | 46.04            | -0.96       | 74.0           | 27.96       | Peak     | 302.00    | 100         | Vertical | Pass    |
| 4   | 2854.54         | 48.11            | 2.01        | 74.0           | 25.89       | Peak     | 209.70    | 100         | Vertical | Pass    |
| 5   | 3445.39         | 46.88            | 9.46        | 74.0           | 27.12       | Peak     | 190.20    | 100         | Vertical | Pass    |
| 6   | 4732.07         | 51.43            | 13.69       | 74.0           | 22.57       | Peak     | 118.20    | 100         | Vertical | Pass    |

A.1.16 Test Antenna Horizontal, 1 GHz – 6 GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (o) | Height (cm) | ANT        | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|-----------|-------------|------------|---------|
| 1   | 1230.44         | 43.41            | -5.23       | 74.0           | 30.59       | Peak     | 44.50     | 100         | Horizontal | Pass    |
| 2   | 1507.37         | 42.97            | -4.39       | 74.0           | 31.03       | Peak     | 221.40    | 100         | Horizontal | Pass    |
| 3   | 2303.17         | 47.01            | -0.36       | 74.0           | 26.99       | Peak     | 103.30    | 100         | Horizontal | Pass    |
| 4   | 2769.56         | 47.49            | 1.64        | 74.0           | 26.51       | Peak     | 77.10     | 100         | Horizontal | Pass    |
| 5   | 3559.36         | 47.00            | 9.78        | 74.0           | 27.00       | Peak     | 262.90    | 100         | Horizontal | Pass    |
| 6   | 4664.58         | 52.30            | 13.07       | 74.0           | 21.70       | Peak     | 283.10    | 100         | Horizontal | Pass    |

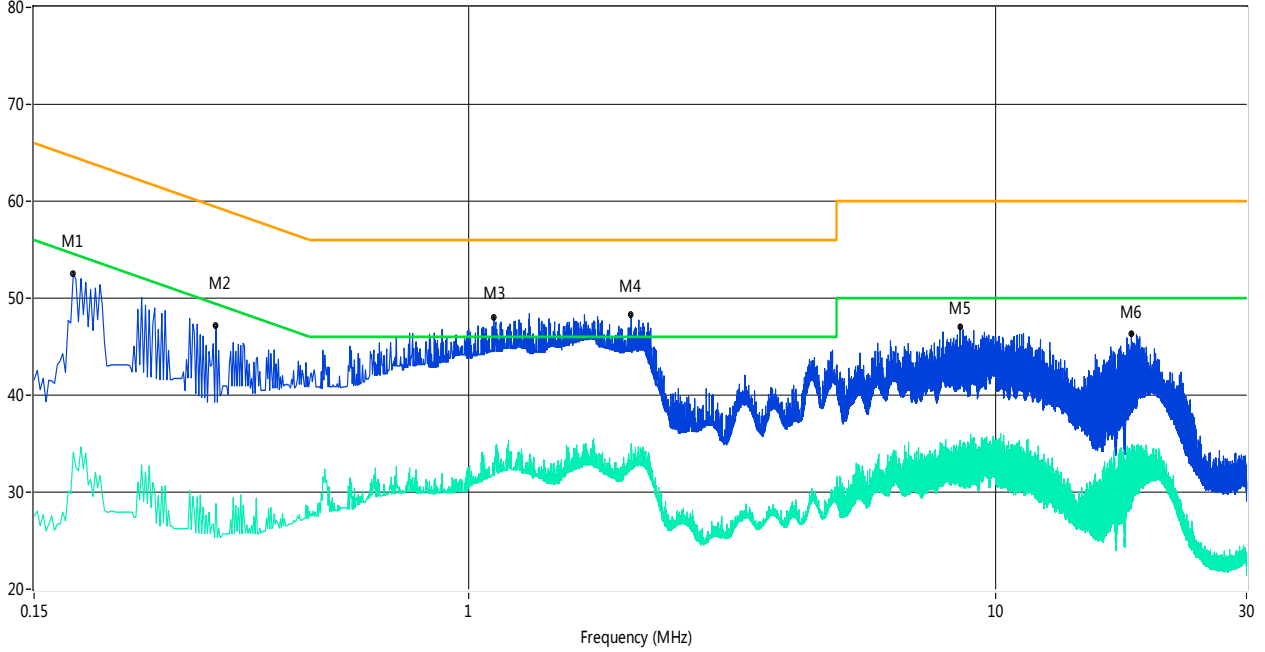
## A.2 Conducted Emission

### Test Data and Plots (Camera test mode)

The worst test mode: Camera test mode - AK901 Charger

#### A.2.1 L Phase

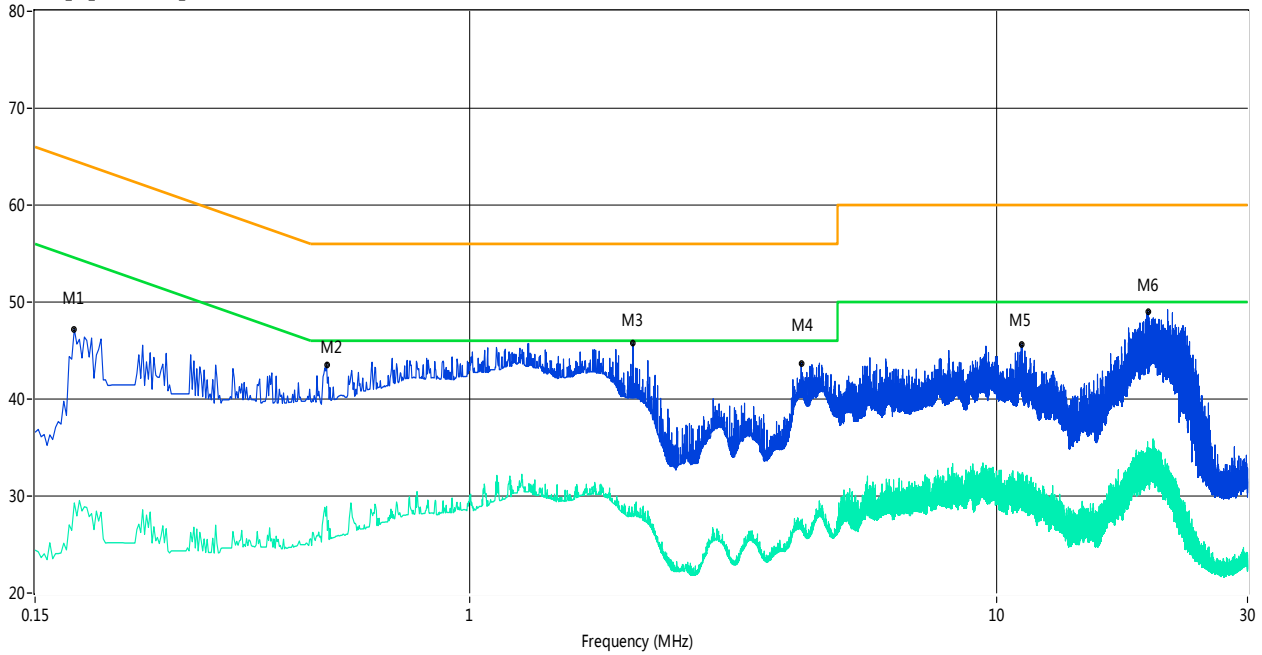
CE Test case\_CE\_FCC PART 15\_Class B



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line   | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|--------|---------|
| 1   | 0.18            | 52.5           | 13.00       | 65.2         | 12.70       | Peak     | L Line | Pass    |
| 1** | 0.18            | 34.1           | 13.00       | 55.2         | 21.10       | AV       | L Line | Pass    |
| 2   | 0.33            | 47.2           | 13.00       | 60.8         | 13.60       | Peak     | L Line | Pass    |
| 2** | 0.33            | 28.8           | 13.00       | 50.8         | 22.00       | AV       | L Line | Pass    |
| 3   | 1.12            | 48.1           | 13.00       | 56.0         | 7.90        | Peak     | L Line | Pass    |
| 3** | 1.12            | 33.0           | 13.00       | 46.0         | 13.00       | AV       | L Line | Pass    |
| 4   | 2.04            | 48.3           | 13.00       | 56.0         | 7.70        | Peak     | L Line | Pass    |
| 4** | 2.04            | 35.0           | 13.00       | 46.0         | 11.00       | AV       | L Line | Pass    |
| 5   | 8.58            | 47.0           | 13.00       | 60.0         | 13.00       | Peak     | L Line | Pass    |
| 5** | 8.58            | 34.5           | 13.00       | 50.0         | 15.50       | AV       | L Line | Pass    |
| 6   | 18.14           | 46.3           | 13.00       | 60.0         | 13.70       | Peak     | L Line | Pass    |
| 6** | 18.14           | 34.2           | 13.00       | 50.0         | 15.80       | AV       | L Line | Pass    |

## A.2.2 N Phase

CE Test case\_CE\_FCC PART 15\_Class B



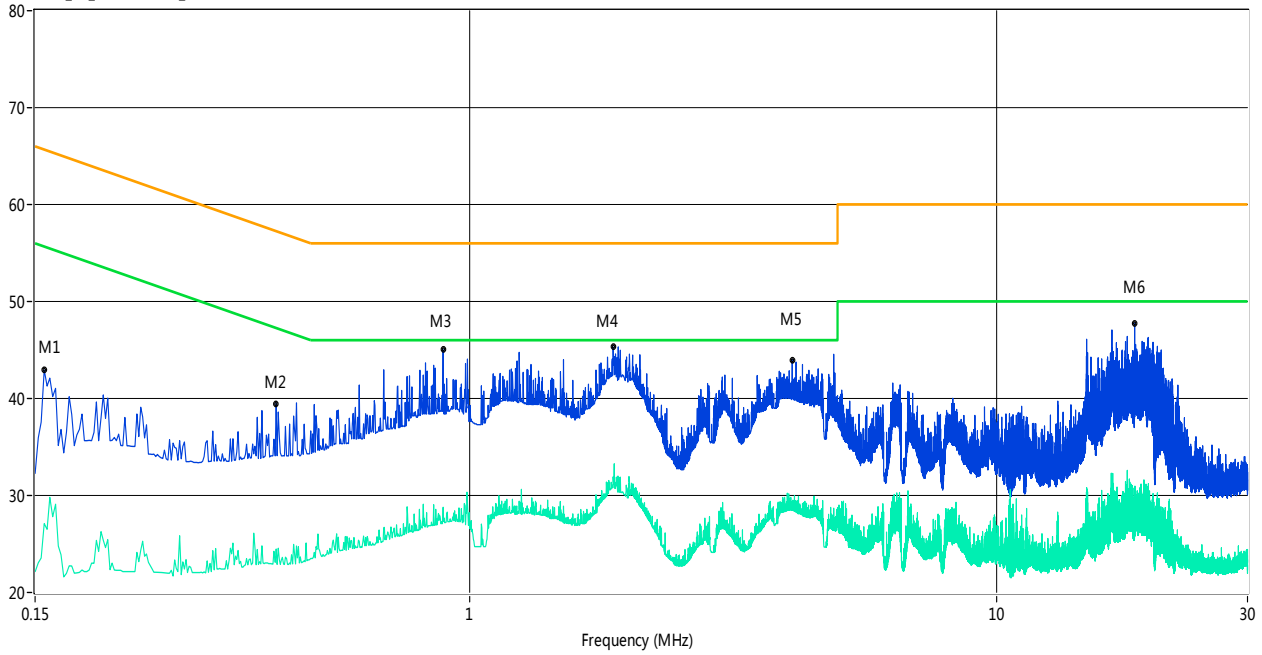
| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line   | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|--------|---------|
| 1   | 0.18            | 47.2           | 13.00       | 65.2         | 18.00       | Peak     | N Line | Pass    |
| 1** | 0.18            | 29.3           | 13.00       | 55.2         | 25.90       | AV       | N Line | Pass    |
| 2   | 0.54            | 43.6           | 13.00       | 56.0         | 12.40       | Peak     | N Line | Pass    |
| 2** | 0.54            | 28.9           | 13.00       | 46.0         | 17.10       | AV       | N Line | Pass    |
| 3   | 2.05            | 45.7           | 13.00       | 56.0         | 10.30       | Peak     | N Line | Pass    |
| 3** | 2.05            | 27.3           | 13.00       | 46.0         | 18.70       | AV       | N Line | Pass    |
| 4   | 4.26            | 43.7           | 13.00       | 56.0         | 12.30       | Peak     | N Line | Pass    |
| 4** | 4.26            | 27.0           | 13.00       | 46.0         | 19.00       | AV       | N Line | Pass    |
| 5   | 11.17           | 45.6           | 13.00       | 60.0         | 14.40       | Peak     | N Line | Pass    |
| 5** | 11.17           | 29.8           | 13.00       | 50.0         | 20.20       | AV       | N Line | Pass    |
| 6   | 19.41           | 49.0           | 13.00       | 60.0         | 11.00       | Peak     | N Line | Pass    |
| 6** | 19.41           | 34.7           | 13.00       | 50.0         | 15.30       | AV       | N Line | Pass    |



The worst test mode: Camera test mode - S005SU0500100 Charger

A.2.3 L Phase

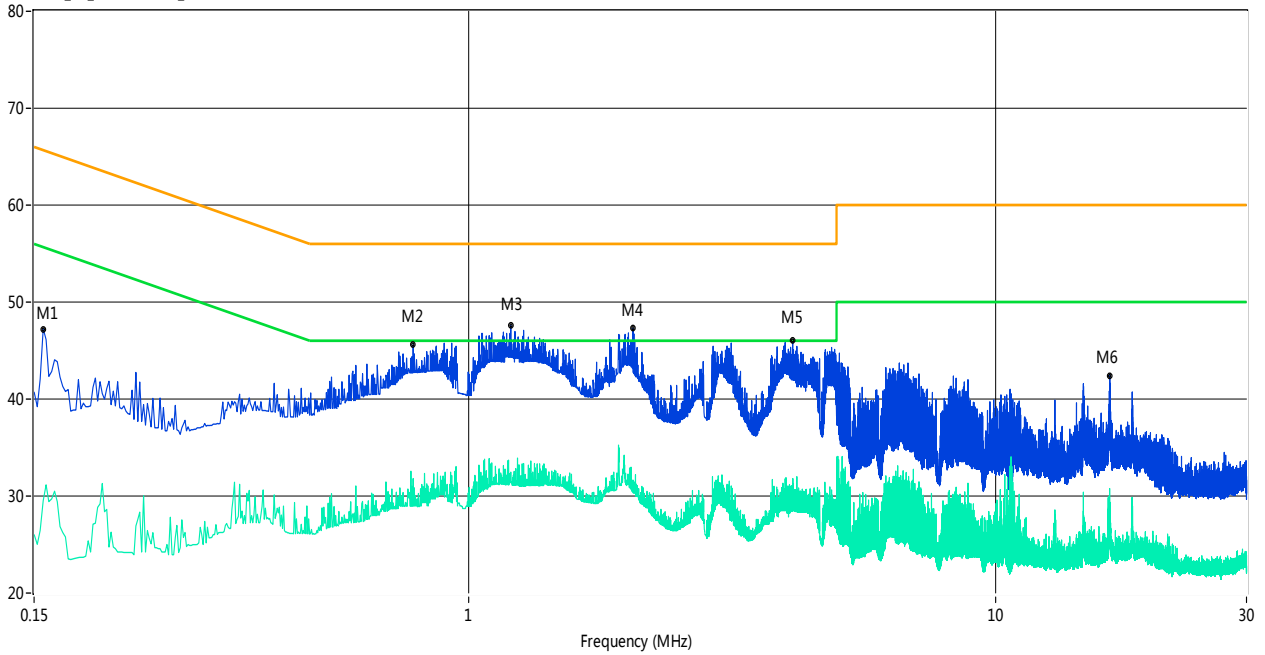
CE Test case\_CE\_FCC PART 15\_Class B



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line   | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|--------|---------|
| 1   | 0.16            | 42.9           | 13.00       | 65.8         | 22.90       | Peak     | L Line | Pass    |
| 1** | 0.16            | 27.1           | 13.00       | 55.8         | 28.70       | AV       | L Line | Pass    |
| 2   | 0.43            | 39.5           | 13.00       | 58.0         | 18.50       | Peak     | L Line | Pass    |
| 2** | 0.43            | 24.5           | 13.00       | 48.0         | 23.50       | AV       | L Line | Pass    |
| 3   | 0.89            | 45.0           | 13.00       | 56.0         | 11.00       | Peak     | L Line | Pass    |
| 3** | 0.89            | 28.8           | 13.00       | 46.0         | 17.20       | AV       | L Line | Pass    |
| 4   | 1.88            | 45.3           | 13.00       | 56.0         | 10.70       | Peak     | L Line | Pass    |
| 4** | 1.88            | 31.9           | 13.00       | 46.0         | 14.10       | AV       | L Line | Pass    |
| 5   | 4.10            | 44.0           | 13.00       | 56.0         | 12.00       | Peak     | L Line | Pass    |
| 5** | 4.10            | 29.0           | 13.00       | 46.0         | 17.00       | AV       | L Line | Pass    |
| 6   | 18.31           | 47.7           | 13.00       | 60.0         | 12.30       | Peak     | L Line | Pass    |
| 6** | 18.31           | 28.3           | 13.00       | 50.0         | 21.70       | AV       | L Line | Pass    |

## A.2.4 N Phase

CE Test case\_CE\_FCC PART 15\_Class B

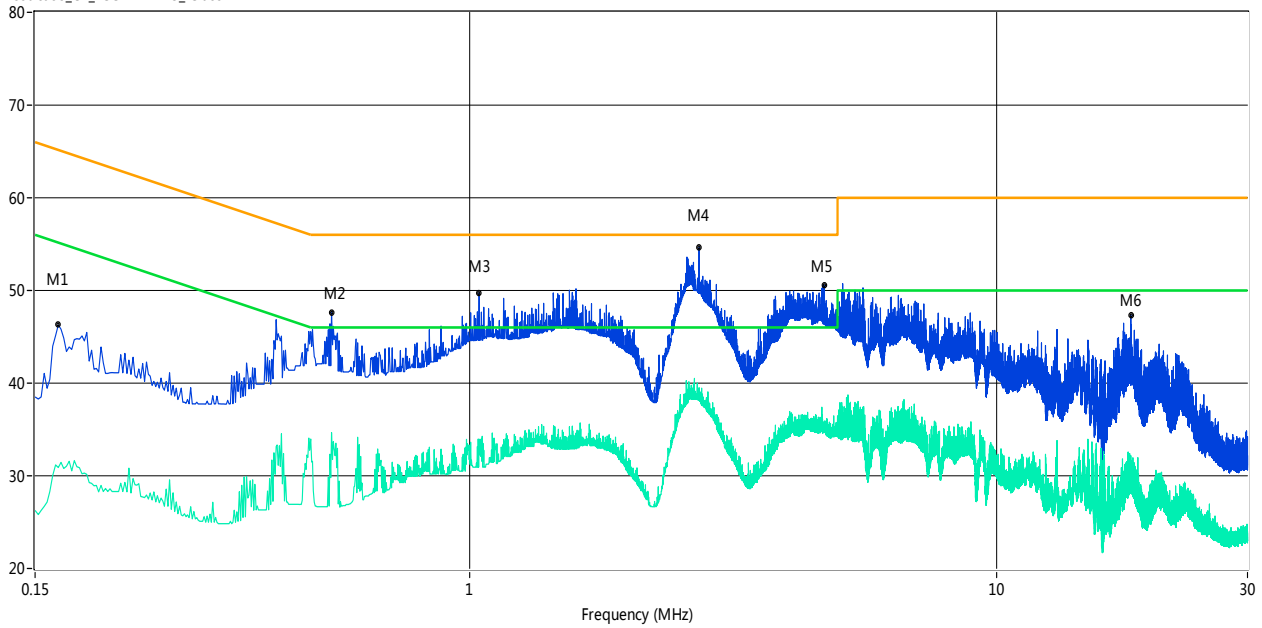


| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line   | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|--------|---------|
| 1   | 0.16            | 47.2           | 13.00       | 65.8         | 18.60       | Peak     | N Line | Pass    |
| 1** | 0.16            | 29.5           | 13.00       | 55.8         | 26.30       | AV       | N Line | Pass    |
| 2   | 0.79            | 45.6           | 13.00       | 56.0         | 10.40       | Peak     | N Line | Pass    |
| 2** | 0.79            | 31.8           | 13.00       | 46.0         | 14.20       | AV       | N Line | Pass    |
| 3   | 1.20            | 47.6           | 13.00       | 56.0         | 8.40        | Peak     | N Line | Pass    |
| 3** | 1.20            | 32.4           | 13.00       | 46.0         | 13.60       | AV       | N Line | Pass    |
| 4   | 2.05            | 47.3           | 13.00       | 56.0         | 8.70        | Peak     | N Line | Pass    |
| 4** | 2.05            | 31.6           | 13.00       | 46.0         | 14.40       | AV       | N Line | Pass    |
| 5   | 4.13            | 46.1           | 13.00       | 56.0         | 9.90        | Peak     | N Line | Pass    |
| 5** | 4.13            | 31.3           | 13.00       | 46.0         | 14.70       | AV       | N Line | Pass    |
| 6   | 16.50           | 42.4           | 13.00       | 60.0         | 17.60       | Peak     | N Line | Pass    |
| 6** | 16.50           | 28.8           | 13.00       | 50.0         | 21.20       | AV       | N Line | Pass    |

The worst test mode: Camera test mode – S01A22 Charger

### A.2.5 L Phase

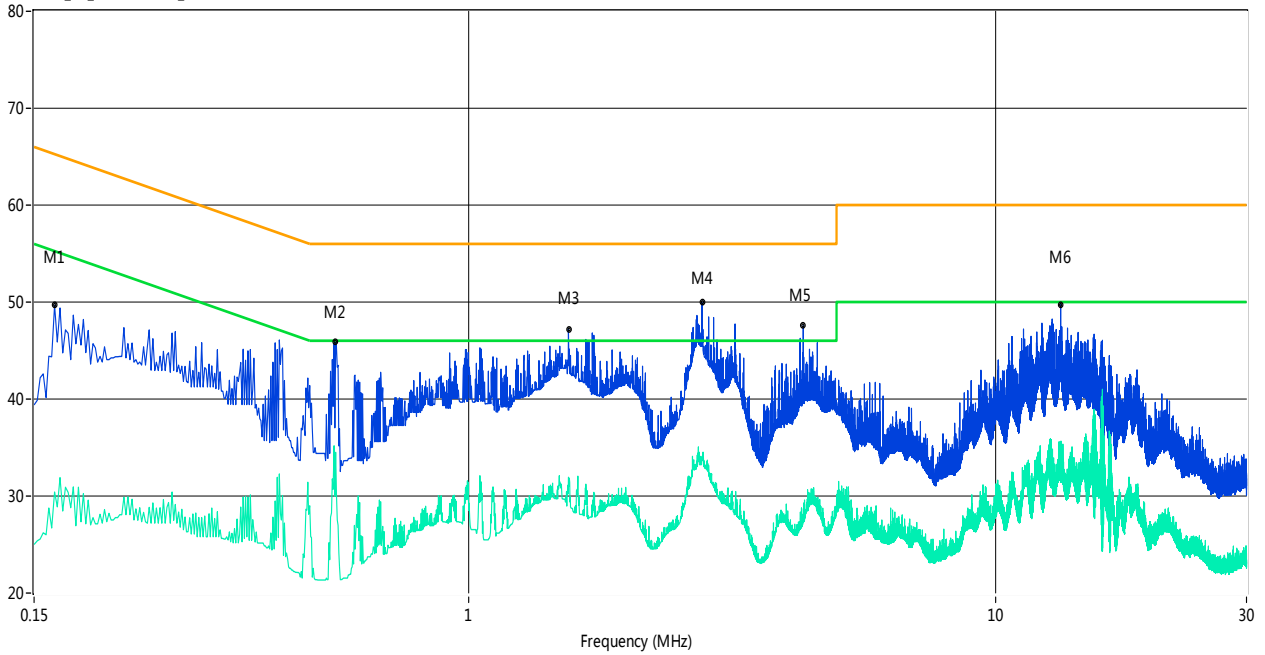
CE Test case\_CE\_FCC PART 15\_Class B



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line   | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|--------|---------|
| 1   | 0.17            | 46.3           | 13.00       | 65.5         | 19.20       | Peak     | L Line | Pass    |
| 1** | 0.17            | 30.9           | 13.00       | 55.5         | 24.60       | AV       | L Line | Pass    |
| 2   | 0.55            | 47.6           | 13.00       | 56.0         | 8.40        | Peak     | L Line | Pass    |
| 2** | 0.55            | 34.7           | 13.00       | 46.0         | 11.30       | AV       | L Line | Pass    |
| 3   | 1.04            | 49.7           | 13.00       | 56.0         | 6.30        | Peak     | L Line | Pass    |
| 3** | 1.04            | 34.0           | 13.00       | 46.0         | 12.00       | AV       | L Line | Pass    |
| 4   | 2.73            | 53.19          | 13.00       | 56.0         | 2.81        | Peak     | L Line | Pass    |
| 4*  | 2.73            | 46.63          | 13.00       | 56.0         | 9.37        | QP       | L Line | Pass    |
| 4** | 2.73            | 38.01          | 13.00       | 46.0         | 7.99        | AV       | L Line | Pass    |
| 5   | 4.72            | 50.6           | 13.00       | 56.0         | 5.40        | Peak     | L Line | Pass    |
| 5** | 4.72            | 35.9           | 13.00       | 46.0         | 10.10       | AV       | L Line | Pass    |
| 6   | 18.02           | 47.4           | 13.00       | 60.0         | 12.60       | Peak     | L Line | Pass    |
| 6** | 18.02           | 31.2           | 13.00       | 50.0         | 18.80       | AV       | L Line | Pass    |

## A.2.6 N Phase

CE Test case\_CE\_FCC PART 15\_Class B

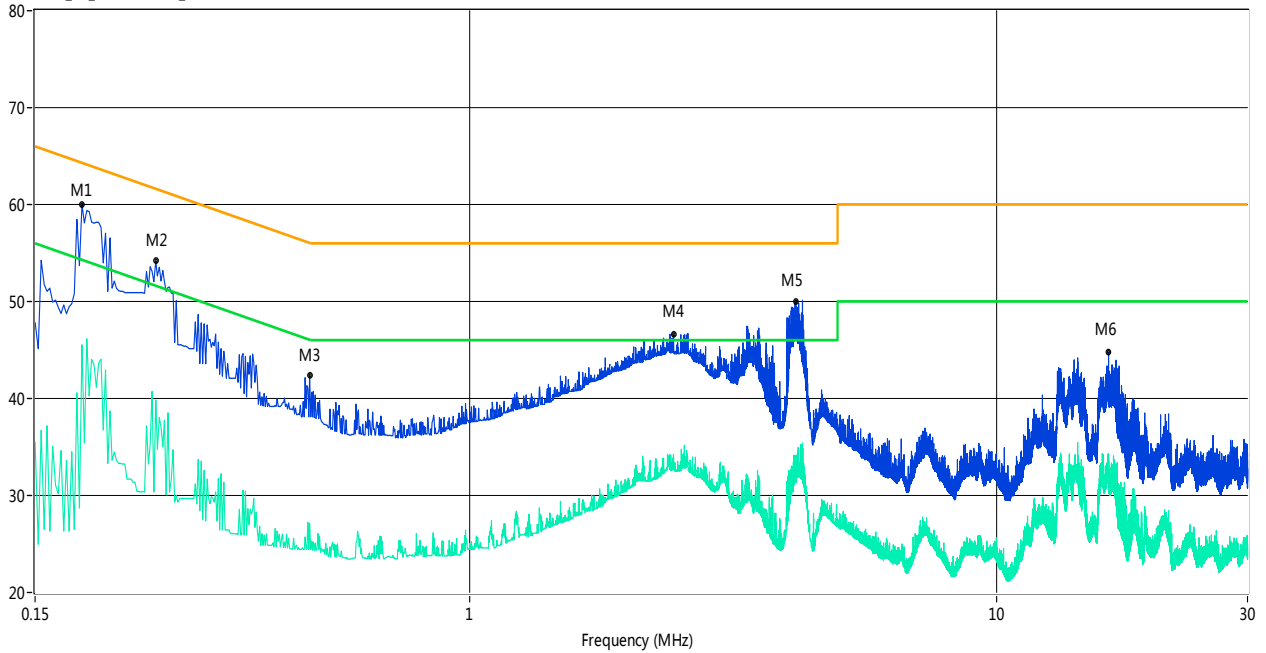


| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line   | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|--------|---------|
| 1   | 0.16            | 49.7           | 13.00       | 65.6         | 15.90       | Peak     | N Line | Pass    |
| 1** | 0.16            | 30.4           | 13.00       | 55.6         | 25.20       | AV       | N Line | Pass    |
| 2   | 0.56            | 45.9           | 13.00       | 56.0         | 10.10       | Peak     | N Line | Pass    |
| 2** | 0.56            | 34.5           | 13.00       | 46.0         | 11.50       | AV       | N Line | Pass    |
| 3   | 1.55            | 47.2           | 13.00       | 56.0         | 8.80        | Peak     | N Line | Pass    |
| 3** | 1.55            | 31.9           | 13.00       | 46.0         | 14.10       | AV       | N Line | Pass    |
| 4   | 2.78            | 49.9           | 13.00       | 56.0         | 6.10        | Peak     | N Line | Pass    |
| 4** | 2.78            | 33.9           | 13.00       | 46.0         | 12.10       | AV       | N Line | Pass    |
| 5   | 4.32            | 47.6           | 13.00       | 56.0         | 8.40        | Peak     | N Line | Pass    |
| 5** | 4.32            | 28.2           | 13.00       | 46.0         | 17.80       | AV       | N Line | Pass    |
| 6   | 13.31           | 49.7           | 13.00       | 60.0         | 10.30       | Peak     | N Line | Pass    |
| 6** | 13.31           | 32.9           | 13.00       | 50.0         | 17.10       | AV       | N Line | Pass    |

The worst test mode: USB test mode

### A.2.7 L Phase

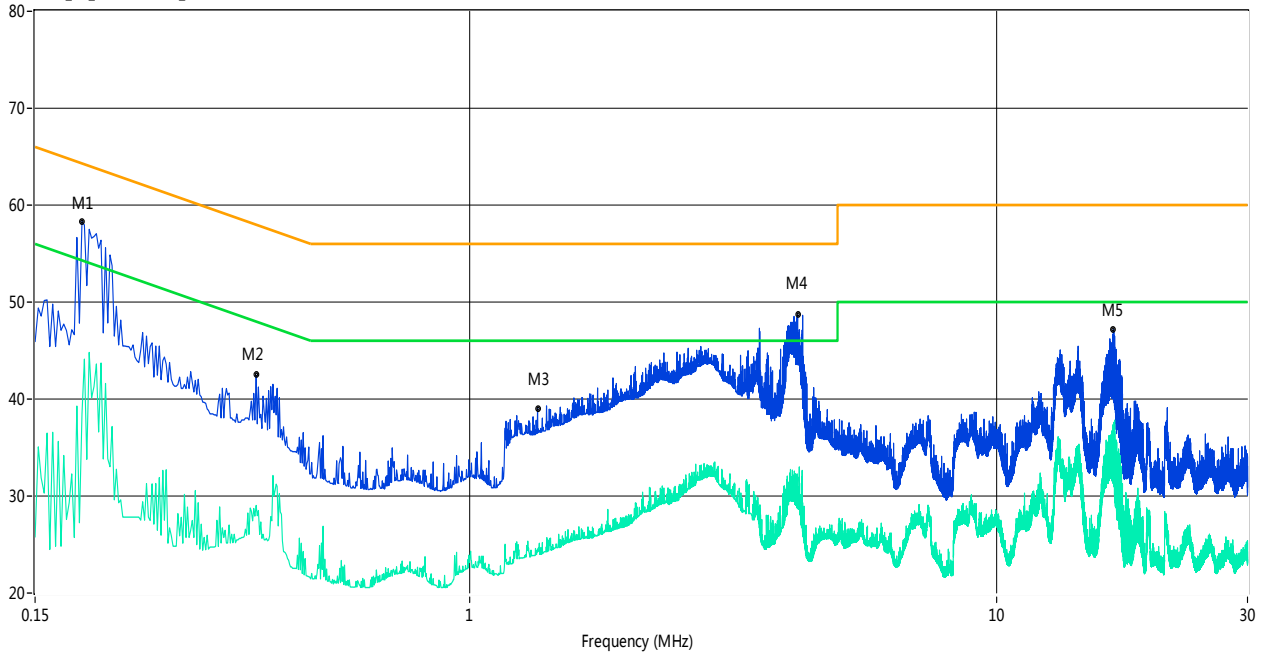
CE Test case\_CE\_FCC PART 15\_Class B



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line   | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|--------|---------|
| 1   | 0.18            | 60.0           | 13.00       | 65.0         | 5.00        | Peak     | L Line | Pass    |
| 1** | 0.18            | 45.5           | 13.00       | 55.0         | 9.50        | AV       | L Line | Pass    |
| 2   | 0.25            | 54.2           | 13.00       | 63.0         | 8.80        | Peak     | L Line | Pass    |
| 2** | 0.25            | 39.8           | 13.00       | 53.0         | 13.20       | AV       | L Line | Pass    |
| 3   | 0.50            | 42.4           | 13.00       | 56.1         | 13.70       | Peak     | L Line | Pass    |
| 3** | 0.50            | 27.1           | 13.00       | 46.1         | 19.00       | AV       | L Line | Pass    |
| 4   | 2.44            | 46.6           | 13.00       | 56.0         | 9.40        | Peak     | L Line | Pass    |
| 4** | 2.44            | 34.2           | 13.00       | 46.0         | 11.80       | AV       | L Line | Pass    |
| 5   | 4.17            | 50.0           | 13.00       | 56.0         | 6.00        | Peak     | L Line | Pass    |
| 5** | 4.17            | 34.1           | 13.00       | 46.0         | 11.90       | AV       | L Line | Pass    |
| 6   | 16.34           | 44.7           | 13.00       | 60.0         | 15.30       | Peak     | L Line | Pass    |
| 6** | 16.34           | 33.4           | 13.00       | 50.0         | 16.60       | AV       | L Line | Pass    |

## A.2.8 N Phase

CE Test case\_CE\_FCC PART 15\_Class B



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line   | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|--------|---------|
| 1   | 0.18            | 58.3           | 13.00       | 65.0         | 6.70        | Peak     | N Line | Pass    |
| 1** | 0.18            | 38.5           | 13.00       | 55.0         | 16.50       | AV       | N Line | Pass    |
| 2   | 0.39            | 42.5           | 13.00       | 59.0         | 16.50       | Peak     | N Line | Pass    |
| 2** | 0.39            | 29.0           | 13.00       | 49.0         | 20.00       | AV       | N Line | Pass    |
| 3   | 1.35            | 39.1           | 13.00       | 56.0         | 16.90       | Peak     | N Line | Pass    |
| 3** | 1.35            | 24.5           | 13.00       | 46.0         | 21.50       | AV       | N Line | Pass    |
| 4   | 4.20            | 48.7           | 13.00       | 56.0         | 7.30        | Peak     | N Line | Pass    |
| 4** | 4.20            | 32.0           | 13.00       | 46.0         | 14.00       | AV       | N Line | Pass    |
| 5   | 16.70           | 47.1           | 13.00       | 60.0         | 12.90       | Peak     | N Line | Pass    |
| 5** | 16.70           | 35.1           | 13.00       | 50.0         | 14.90       | AV       | N Line | Pass    |

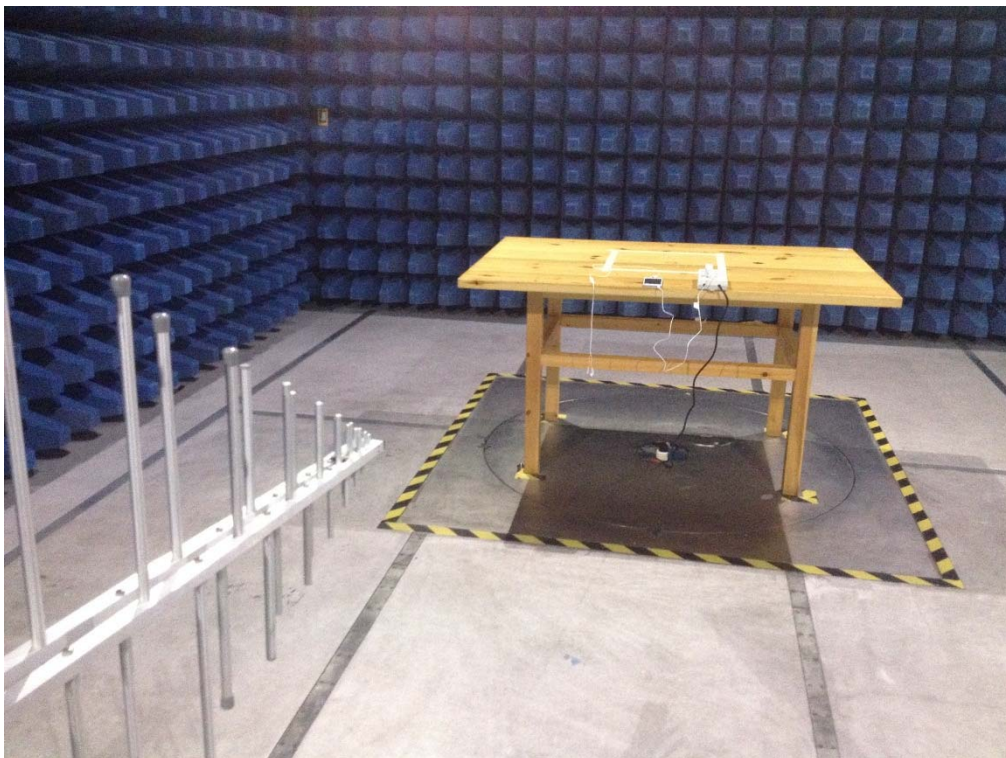
## ANNEX B TEST SETUP PHOTOS

### B.1 Radiated Field Strength Measurement

Below 1GHz



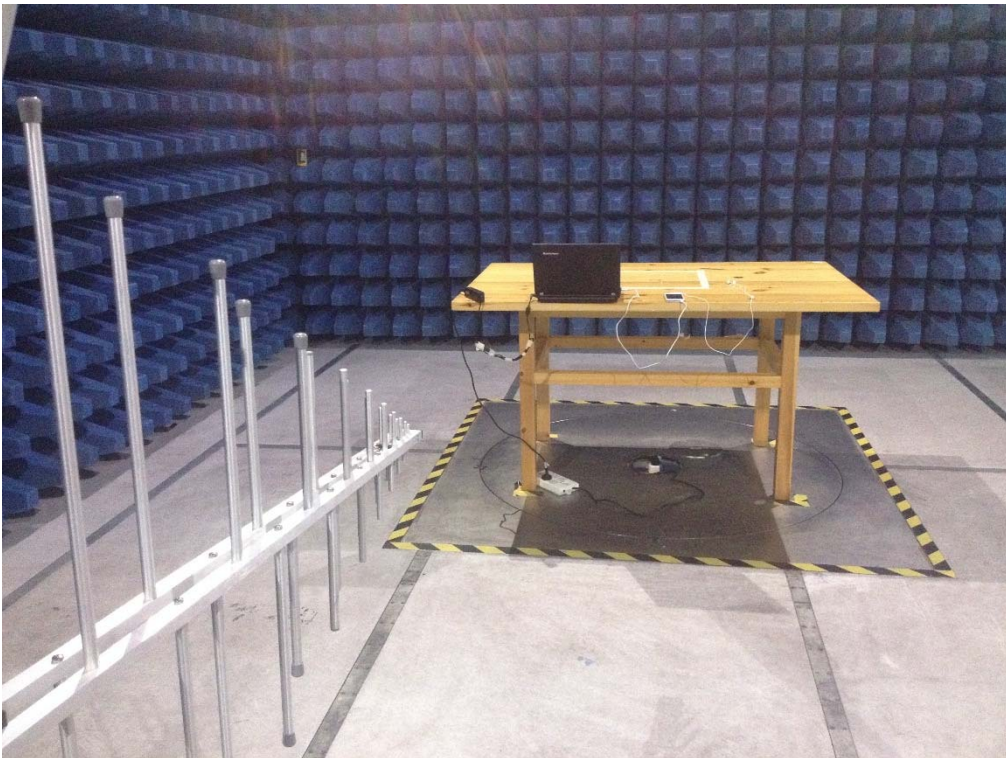
Camera Test Mode - AK901 Charger



Camera Test Mode - S005SU0500100 Charger



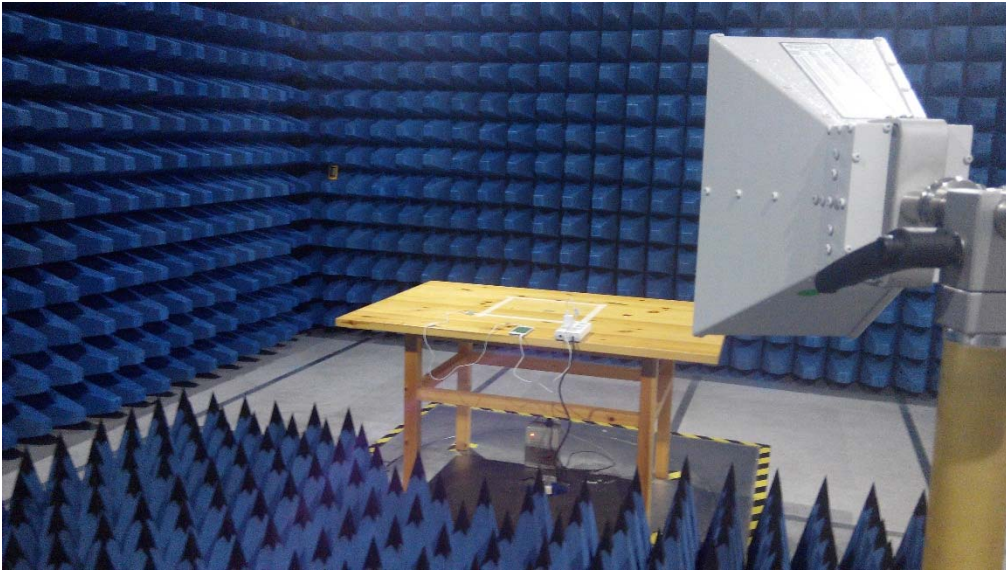
Camera Test Mode – S01A22 Charger



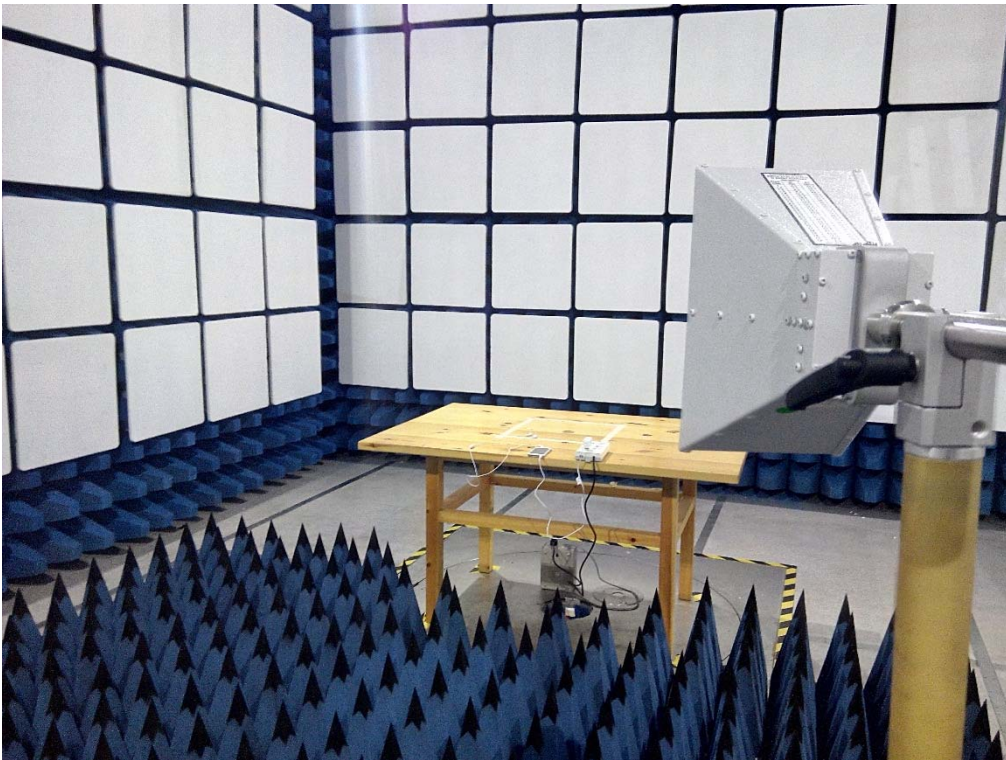
USB Test Mode



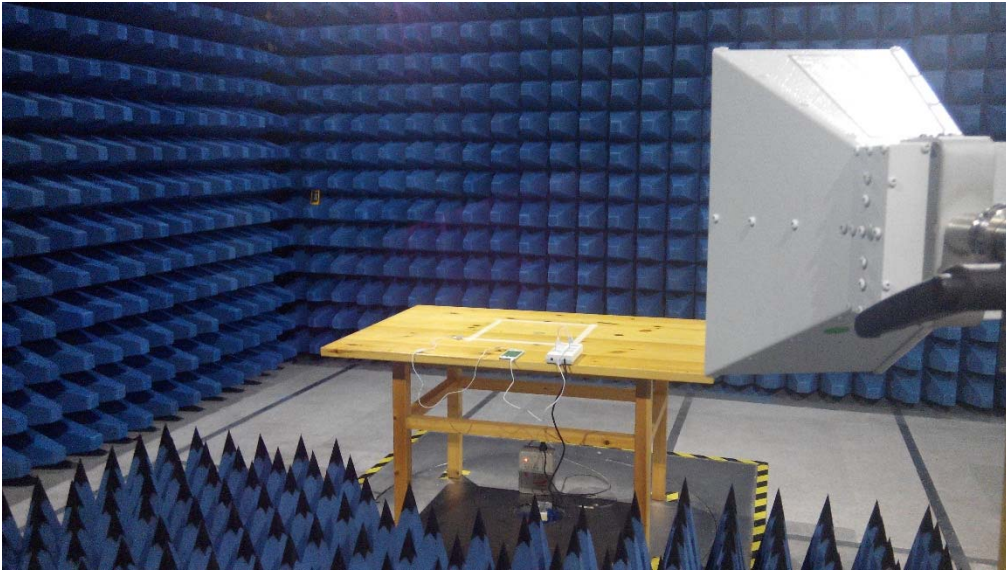
Above 1GHz



Camera Test Mode - AK901 Charger



Camera Test Mode- S005SU0500100 Charger

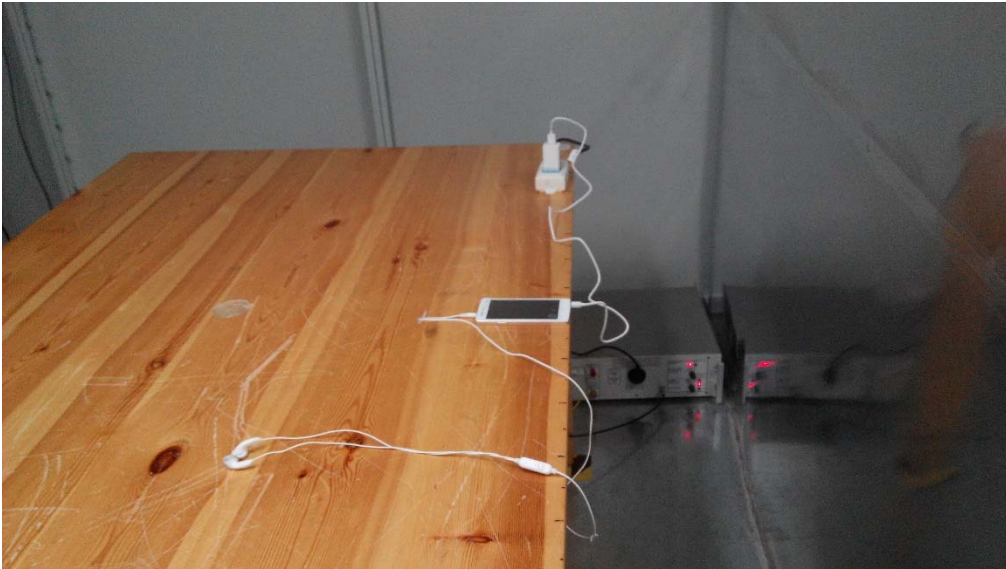


Camera Test Mode – S01A22 Charger

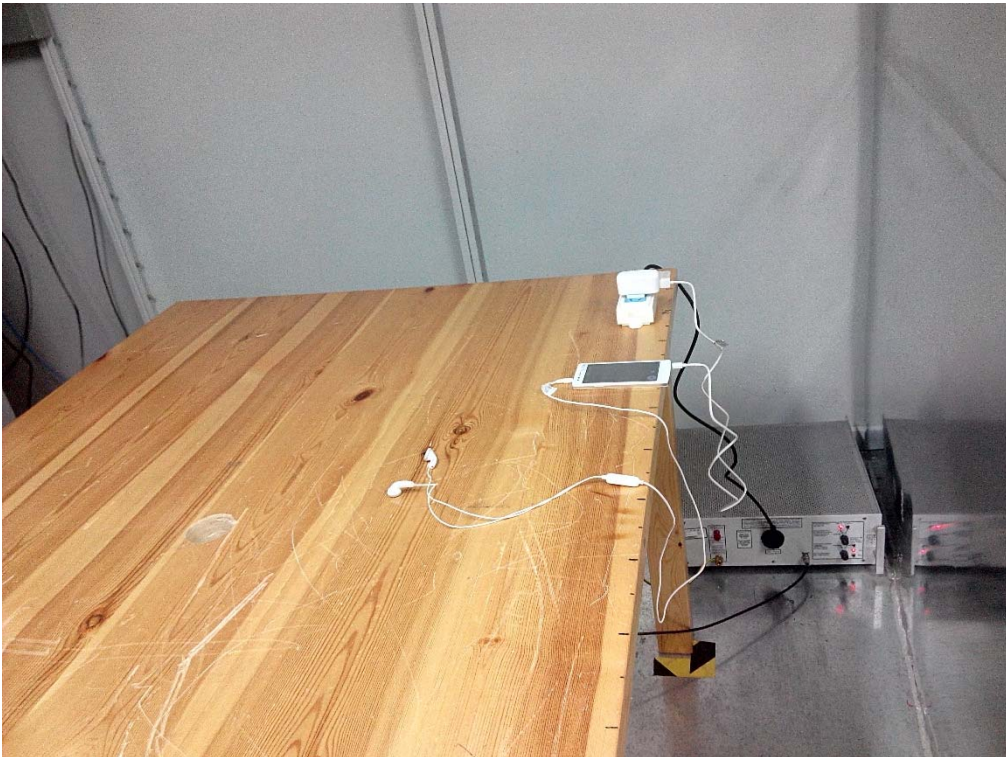


USB Test Mode

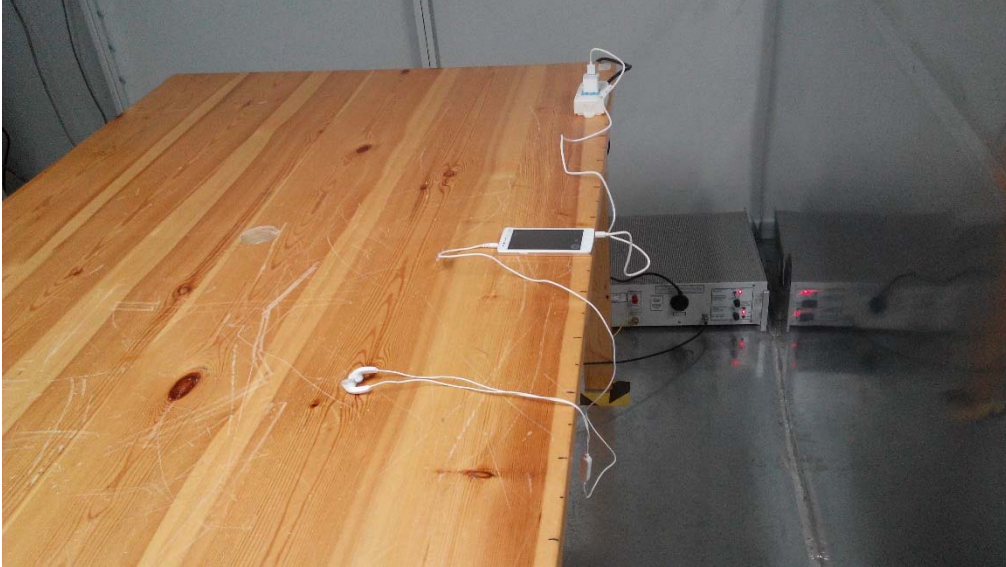
## B.2 Conducted Emission



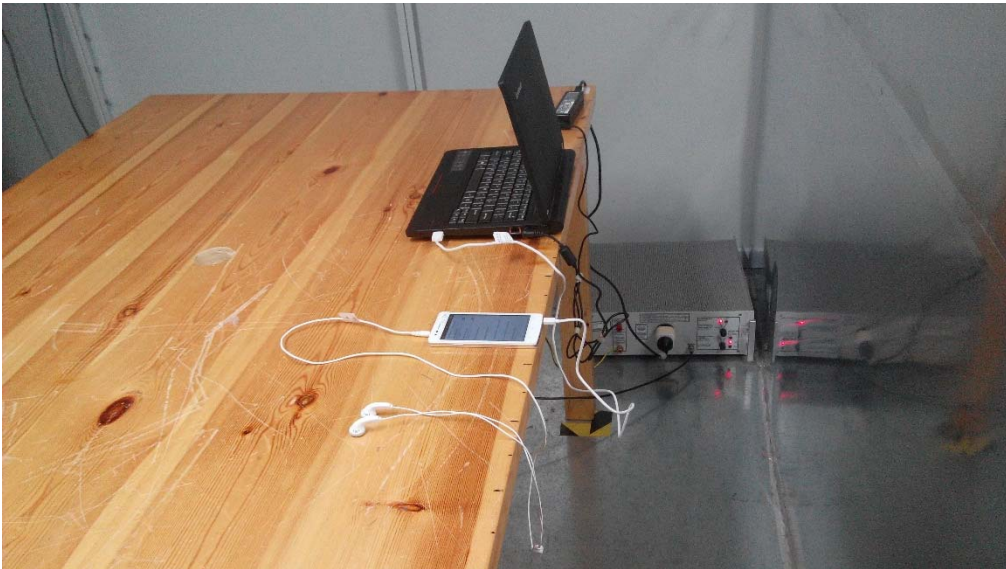
Camera Test Mode - AK901 Charger



Camera Test Mode- S005SU0500100 Charger



Camera Test Mode – S01A22 Charger



USB Test Mode

## ANNEX C EUT PHOTOS

### C.1 Appearance of the EUT



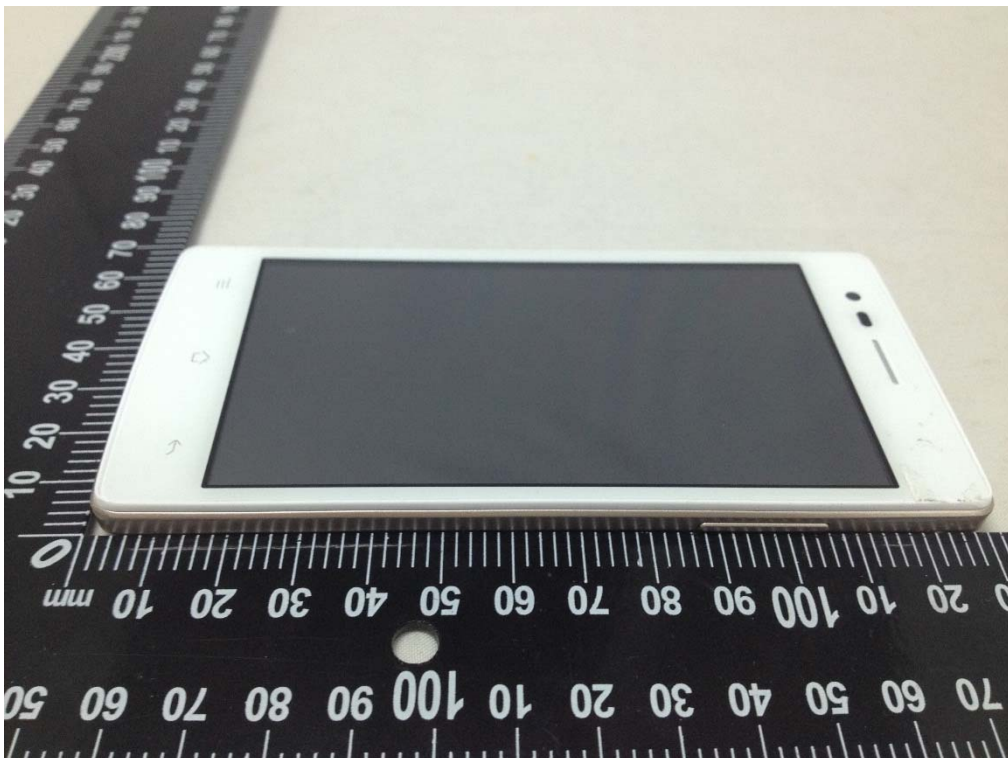
THE FRONT OF EUT



THE BACK OF EUT



THE LEFT OF EUT



THE RIGHT OF EUT



THE UP OF EUT



THE DOWN OF EUT



THE PHOTO OF USB CABLE



THE PHOTO OF EARPHONE





CHARGER (AK901)



CHARGER (S005SU0500100)



CHARGER (S01A22)

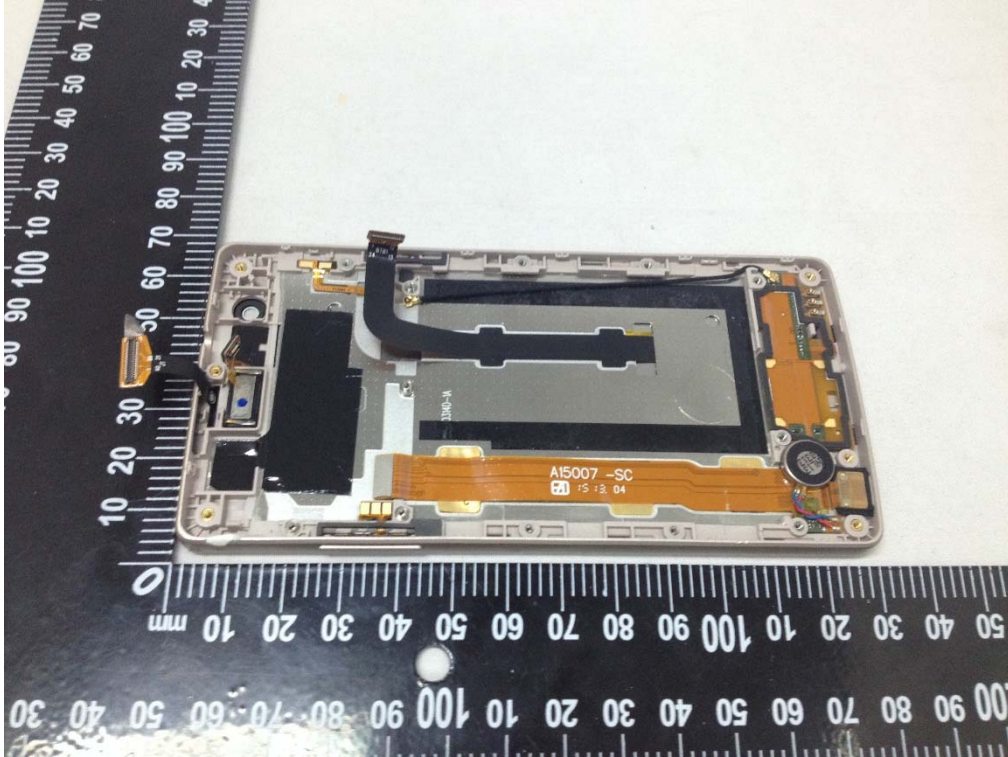
## C.2 Inside of the EUT



EUT UNCOVER VIEW 1



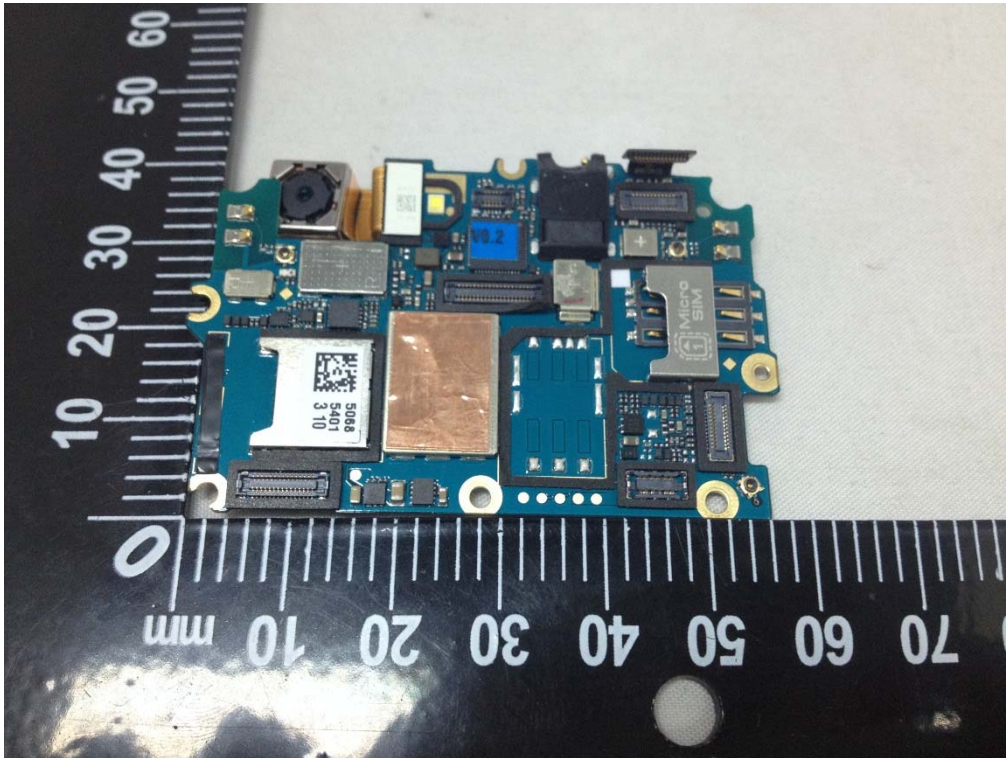
EUT UNCOVER VIEW 2



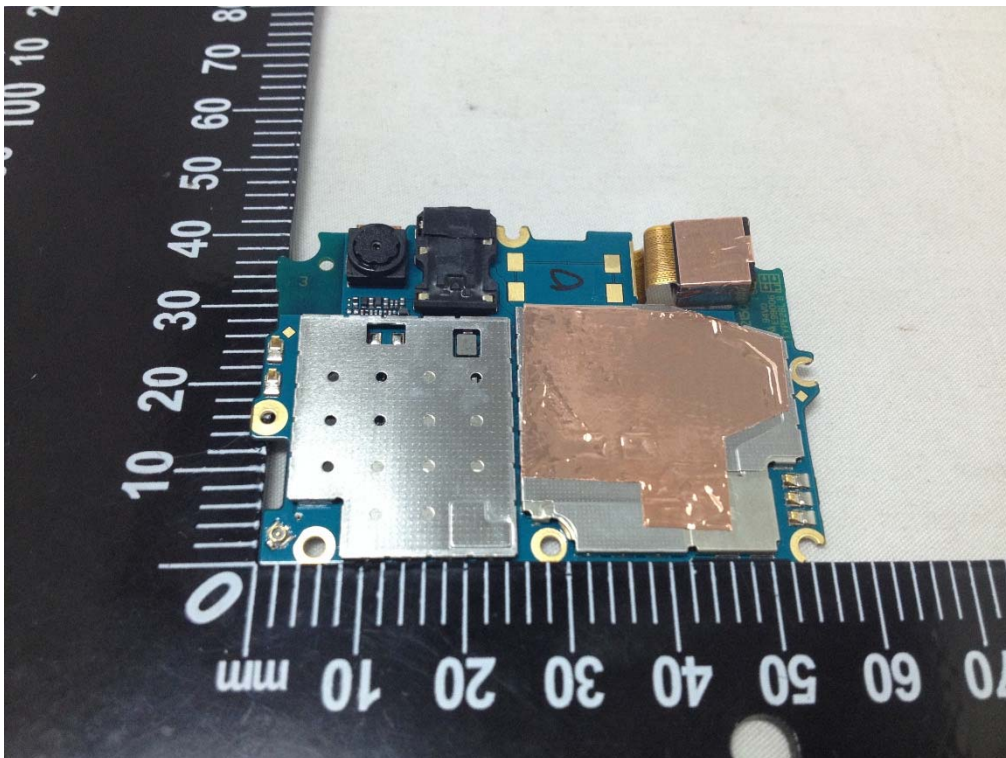
EUT UNCOVER VIEW 3



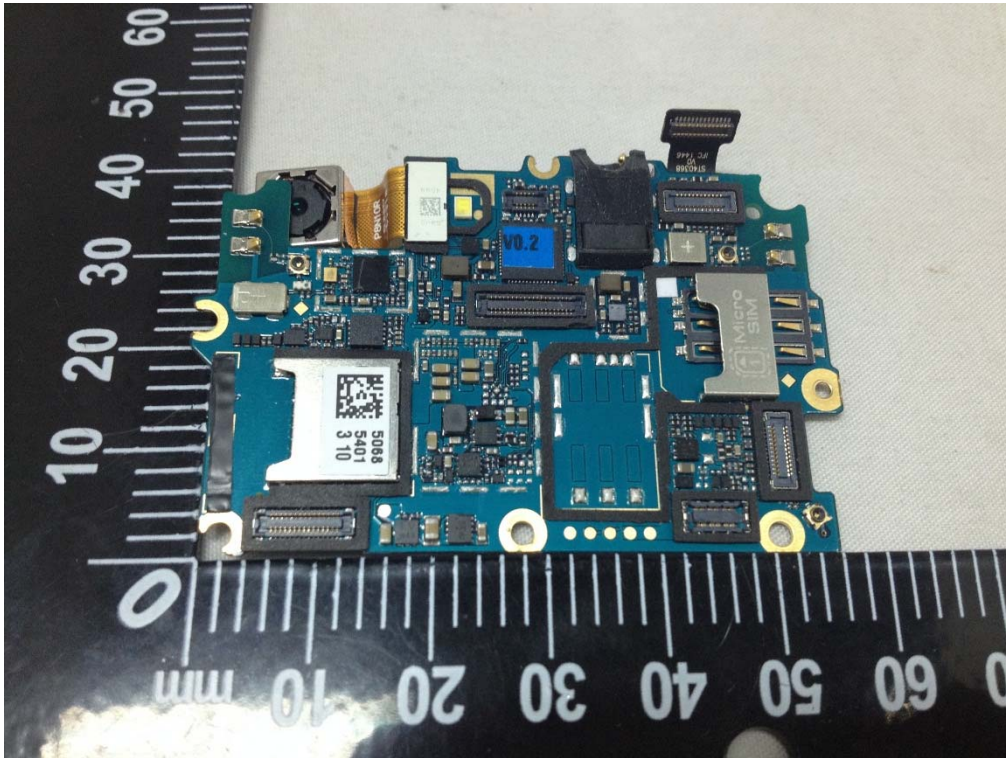
BATTERY



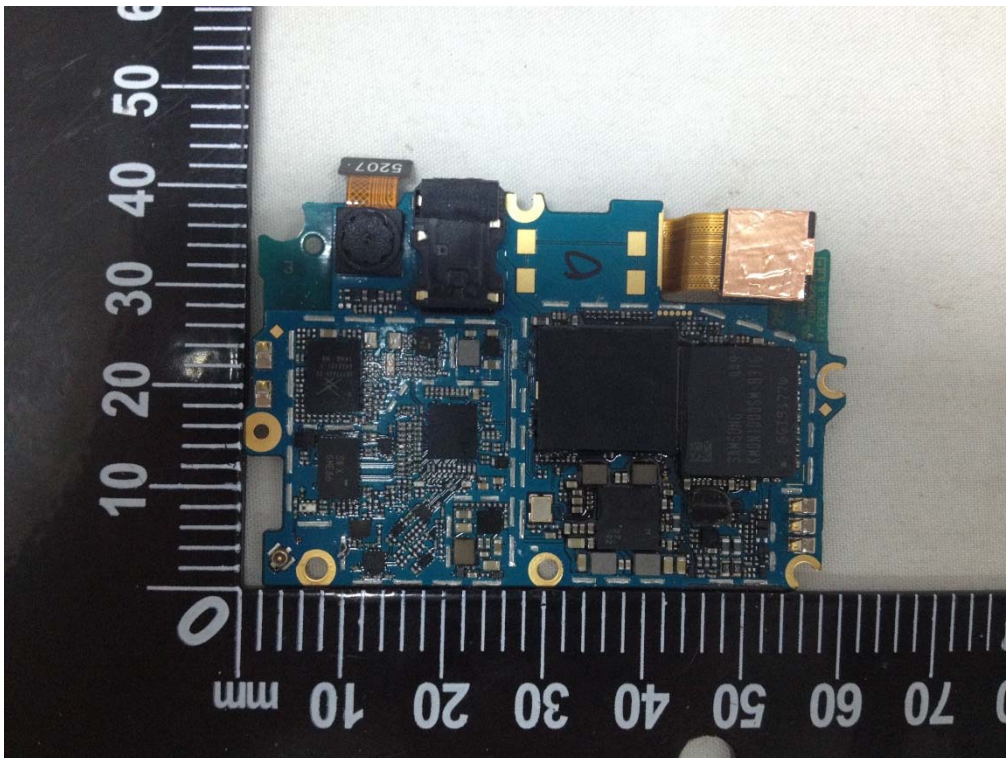
MAIN BOARD TOP VIEW 1



MAIN BOARD BACK VIEW 1



MAIN BOARD TOP VIEW 2



MAIN BOARD BACK VIEW 2

--END OF REPORT--