

FCC/ISED

EMC

TEST REPORT

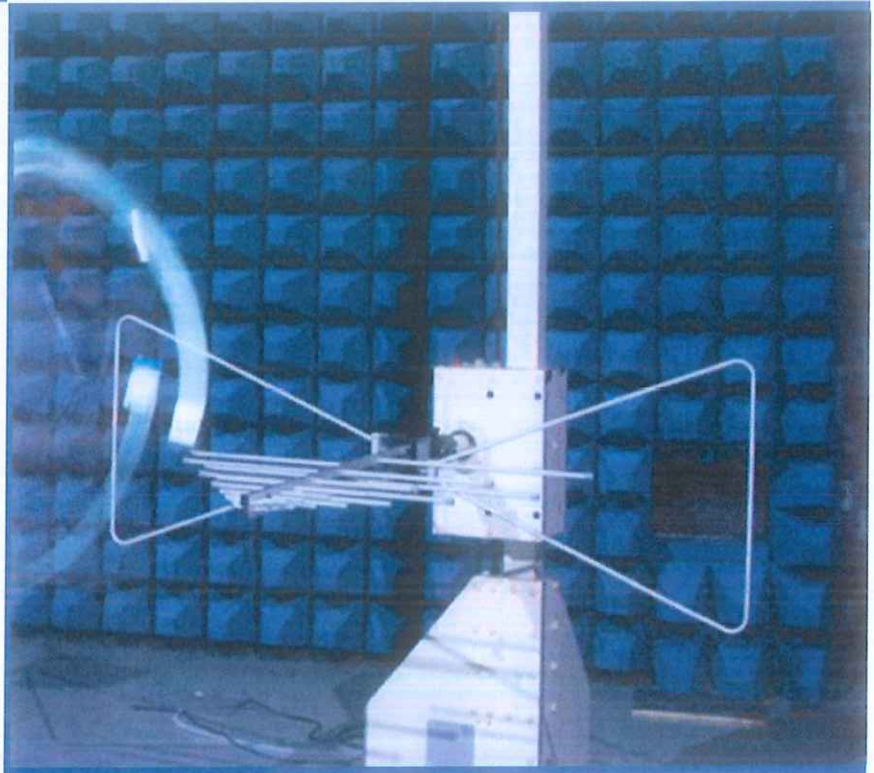
ISSUED BY
Shenzhen BALUN Technology Co., Ltd.



FOR
Rugged Tablet

ISSUED TO
Shenzhen UniStrong Science & Technology Co., Ltd.

B, 4-4Factory, Zhengcheng Road, FuyongBaoan District, Shenzhen, China



Tested by: Xia Long
Xia Long

(Engineer)

Date

Jul. 09. 2018

Approved by:

Liao Jianming
Liao Jianming

(Technical Director)

Date

Jul. 09. 2018

Report No.: BL-EC1840167-401

EUT Name: Rugged Tablet

Model Name: UT30

Brand Name: UniStrong

Test Standard: 47 CFR Part 15 Subpart B
ICES-003 (Issue 6, January 2016)

FCC ID: 2AOPD-UT30

ISED Number: 11546A-UT30

Test Conclusion: Pass

Test Date: Apr. 09, 2018 ~ Jun. 27, 2018

Date of Issue: Jul. 09, 2018

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Revision History

| <u>Version</u> | <u>Issue Date</u> | <u>Revisions Content</u> |
|----------------|----------------------|--------------------------|
| <u>Rev. 01</u> | <u>Jul. 09, 2018</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 6685 0100 |
| 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 is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.</p> <p>The laboratory is a testing organization accredited by American Association for Laboratory Accreditation(A2LA) according to ISO/IEC 17025.The accreditation certificate is 4344.01.</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 Laboratory Condition

| | |
|---------------------------|--------------------|
| Ambient Temperature | 20°C to 25°C |
| Ambient Relative Humidity | 45% to 55% |
| Ambient Pressure | 100 kPa to 102 kPa |

1.4 Announce

- (1) The test report refer to the BALUN report mode v1.2.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- (5) 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.
- (6) 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 Information

| | |
|-----------|---|
| Applicant | Shenzhen UniStrong Science & Technology Co., Ltd. |
| Address | B, 4-4Factory, Zhengcheng Road, FuyongBaoan District, Shenzhen, China |

2.2 Manufacturer Information

| | |
|--------------|---|
| Manufacturer | Shenzhen UniStrong Science & Technology Co., Ltd. |
| Address | B, 4-4Factory, Zhengcheng Road, FuyongBaoan District, Shenzhen, China |

2.3 Factory Information

| | |
|---------|-----|
| Factory | N/A |
| Address | N/A |

2.4 General Description for Equipment under Test (EUT)

| | |
|---|---------------|
| EUT Name | Rugged Tablet |
| Under Test Model Name | UT30 |
| Series Model Name | N/A |
| Description of Model name differentiation | N/A |
| Hardware Version | UT30_V103 |
| Software Version | UT30_V1.0 |
| Dimensions (Approx.) | N/A |
| Weight (Approx.) | N/A |

2.5 Ancillary Equipment

| | | |
|-----------------------|------------------|-----------------------------|
| Ancillary Equipment 1 | Battery | |
| | Brand Name | SJYEnergy |
| | Model No. | BA820 |
| | Serial No. | N/A |
| | Capacity | 8200 mAh |
| | Rated Voltage | 3.8 V |
| Ancillary Equipment 2 | Adapter | |
| | Brand Name | N/A |
| | Model No. | ASUC71W |
| | Serial No. | N/A |
| | Rated Input | 100-240 V~, 0.7 A, 50/60 Hz |
| | Rated Output | 5 V= 3 A |
| Ancillary Equipment 3 | USB Cable | |
| | Length (Approx.) | 1.0 m |

2.6 Technical Information

| | |
|-----------------------------------|---|
| Network and Wireless connectivity | 2G Network GSM/GPRS/EDGE 850/900/1800/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 1/2/5/8 CDMA Band Class 0 EVDO Rel. 0/Rev. A Band Class 0 4G Network FDD LTE Band 1/2/3/4/5/7/8/12/13/17/20/25/28 TDD LTE Band 38/39/40/41 Bluetooth, WIFI, 5.8G SRD, NFC, GPS, GLONASS, BDS |
|-----------------------------------|---|

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

| No. | Identity | Document Title |
|-----|---|---|
| 1 | FCC 47 CFR Part 15 Subpart B (10-1-16 Edition) | Unintentional Radiators |
| 2 | ICES-003 (Issue 6, January 2016) | Information Technology Equipment (Including Digital Apparatus) — Limits and Methods of Measurement |
| 3 | ANSI C63.4-2014 | American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz |

3.2 Verdict

| No. | Description | FCC Rule | ISED Rule | Test Verdict | Result |
|-----|---------------------------------|----------|--------------|--------------|------------|
| 1 | Radiated Emission | 15.109 | ICES-003 6.1 | Pass | Annex A .1 |
| 2 | Conducted Emission, AC Ports | 15.107 | ICES-003 6.2 | 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) | 3.23 dB |
| Radiated emissions (30 MHz-1 GHz) | 4.30 dB |
| Radiated emissions (1 GHz-18 GHz) | 4.81 dB |
| Radiated emissions (18 GHz-40 GHz) | 5.71 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 to 25°C | AC 120 V/60 Hz or DC 3.8 V from Battery | 50% to 55% | 100 kPa to 102 kPa |

4.2 Test Equipment List

| Radiated Emission Test | | | | | | |
|------------------------|--------------|------------|------------|------------|------------|-------------------------------------|
| Description | Manufacturer | Model | Serial No. | Cal. Date | Cal. Due | Use |
| EMI Receiver | KEYSIGHT | N9038A | MY53220118 | 2017.11.08 | 2018.11.07 | <input checked="" type="checkbox"/> |
| Test Antenna-Bi-Log | SCHWARZBECK | VULB 9163 | 9163-624 | 2017.07.22 | 2019.07.21 | <input checked="" type="checkbox"/> |
| Test Antenna-Horn | SCHWARZBECK | BBHA 9120D | 9120D-1148 | 2016.07.12 | 2018.07.11 | <input checked="" type="checkbox"/> |
| Anechoic Chamber | RAINFORD | 9m*6m*6m | N/A | 2017.02.21 | 2019.02.20 | <input checked="" type="checkbox"/> |

| Conducted Emission Test | | | | | | |
|-------------------------|---------------|-----------|------------|-------------|------------|-------------------------------------|
| Description | Manufacturer | Model | Serial No. | Cal. Date | Cal. Due | Use |
| EMI Receiver | ROHDE&SCHWARZ | ESRP | 101036 | 2018.06.13. | 2019.06.12 | <input checked="" type="checkbox"/> |
| LISN | SCHWARZBECK | NSLK 8127 | 8127-687 | 2018.06.13. | 2019.06.12 | <input checked="" type="checkbox"/> |
| LISN | SCHWARZBECK | NNLK 8129 | 8129-462 | 2017.11.08 | 2018.11.07 | <input type="checkbox"/> |
| AMN | SCHWARZBECK | NNBM8124 | 8124-509 | 2018.06.13. | 2019.06.12 | <input type="checkbox"/> |
| AMN | SCHWARZBECK | NNBM8124 | 8124-510 | 2018.06.13. | 2019.06.12 | <input type="checkbox"/> |
| ISN | TESEQ | ISN T800 | 34449 | 2017.12.05 | 2018.12.04 | <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 | Dell | 015K3N | N/A | N/A | Special Handled | <input type="checkbox"/> |
| Laptop | Apple | A1465 | N/A | N/A | N/A | <input checked="" 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"/> |
| TF 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"/> |
| iPhone | Apple | A1586 | N/A | N/A | N/A | <input type="checkbox"/> |
| Phone | MI | M4 | N/A | N/A | N/A | <input type="checkbox"/> |
| Bluetooth Earphone | SAMSUNG | Gear Circle | N/A | N/A | N/A | <input checked="" type="checkbox"/> |
| Wireless Communications Test Set | R&S | CMW500 | 142028 | N/A | Cal. Due 2018.06.11 | <input checked="" type="checkbox"/> |
| WIFI Router | TP-LINK | TL-WDR7500 | N/A | N/A | N/A | <input checked="" type="checkbox"/> |
| Earphone | N/A | OPPO | N/A | 1.1 m | N/A | <input checked="" type="checkbox"/> |
| Car Battery | Camel | 55530 | N/A | N/A | 12 V/55 Ah | <input type="checkbox"/> |
| Artificial load | N/A | N/A | N/A | N/A | 2.5 Ω/100 W | <input type="checkbox"/> |
| Artificial load | N/A | N/A | N/A | N/A | 5 Ω/100 W | <input type="checkbox"/> |
| Electronic Load | ITECH | IT8511 | N/A | N/A | N/A | <input type="checkbox"/> |
| USB Cable | N/A | N/A | N/A | 1.5 m | Shielded with core | <input type="checkbox"/> |
| DC Power Supply | ITECH | IT6863A | 60001401068 7210006 | N/A | N/A | <input type="checkbox"/> |
| LCD Monitor | SAMSUNG | UA32C4000P | N/A | N/A | N/A | <input type="checkbox"/> |
| LCD Monitor | Dell | U241HB | N/A | N/A | N/A | <input type="checkbox"/> |
| RJ45 Cable | N/A | N/A | N/A | 1.5 m | Shielded with core | <input type="checkbox"/> |
| IC Card | N/A | N/A | N/A | N/A | N/A | <input checked="" type="checkbox"/> |

4.4 Test Configurations

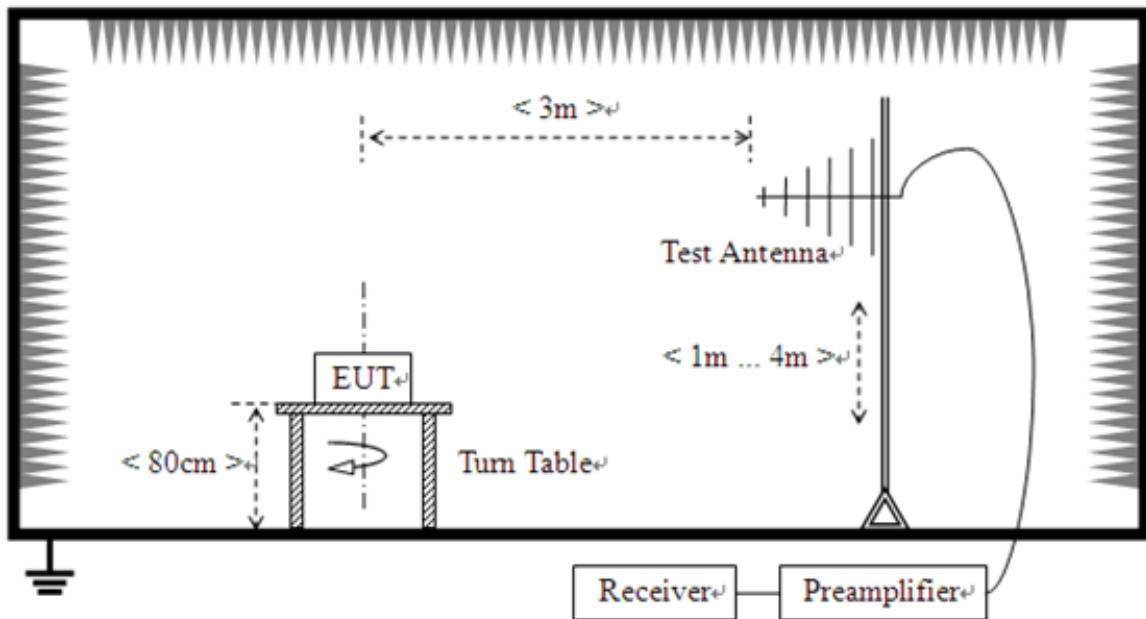
| Test Configurations (TC) No. | Description |
|------------------------------|---|
| Traffic Test Mode | |
| TC01 | <u>The GSM 850 MHz Test Mode</u> GSM 850 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GPS RX |
| TC02 | <u>The EDGE 850 MHz Test Mode</u> EDGE 850 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GLONASS RX |
| TC03 | <u>The GSM 850 MHz Test Mode with internal speaker</u> GSM 850 Link + Adapter + USB Cable + Battery + BT Link + BT Link + WIFI Link + BDS RX |
| TC04 | <u>The GSM 900 MHz Test Mode</u> GSM 900 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GPS RX |
| TC05 | <u>The EDGE 900 MHz Test Mode</u> EDGE 900 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GLONASS RX |
| TC06 | <u>The GSM 1800 MHz Test Mode</u> GSM 1800 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + BDS RX |
| TC07 | <u>The EDGE 1800 MHz Test Mode</u> EDGE 1800 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GPS RX |
| TC08 | <u>The GSM 1900 Test Mode</u> GSM 1900 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GLONASS RX |
| TC09 | <u>The EDGE 1900 MHz Test Mode</u> EDGE 1900 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + BDS RX |
| TC10 | <u>The WCDMA Band 1 Test Mode</u> WCDMA Band 1 + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GPS RX |
| TC11 | <u>The WCDMA Band 2 Test Mode</u> WCDMA Band 2 + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GLONASS RX |
| TC12 | <u>The WCDMA Band 5 Test Mode</u> WCDMA Band 5 + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + BDS RX |
| TC13 | <u>The WCDMA Band 8 Test Mode</u> WCDMA Band 8 + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GPS RX |
| TC14 | <u>The CDMA Band Class 0 Test Mode</u> |

| | |
|------|--|
| | CDMA Band Class 0 + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GLONASS RX |
| TC15 | <u>The EVDO Band Class 0 Test Mode</u> EVDO Band Class 0 + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + BDS RX |
| TC16 | <u>The FDD LTE Band 1 Test Mode</u> FDD LTE Band 1 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GPS RX |
| TC17 | <u>The FDD LTE Band 2 Test Mode</u> FDD LTE Band 2 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GLONASS RX |
| TC18 | <u>The FDD LTE Band 3 Test Mode</u> FDD LTE Band 3 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + BDS RX |
| TC19 | <u>The FDD LTE Band 4 Test Mode</u> FDD LTE Band 4 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GPS RX |
| TC20 | <u>The FDD LTE Band 5 Test Mode</u> FDD LTE Band 5 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GLONASS RX |
| TC21 | <u>The FDD LTE Band 7 Test Mode</u> FDD LTE Band 7 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + BDS RX |
| TC22 | <u>The FDD LTE Band 8 Test Mode</u> FDD LTE Band 8 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GPS RX |
| TC23 | <u>The FDD LTE Band 12 Test Mode</u> FDD LTE Band 12 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GLONASS RX |
| TC24 | <u>The FDD LTE Band 13 Test Mode</u> FDD LTE Band 5 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + BDS RX |
| TC25 | <u>The FDD LTE Band 17 Test Mode</u> FDD LTE Band 17 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GPS RX |
| TC26 | <u>The FDD LTE Band 20 Test Mode</u> FDD LTE Band 20 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GLONASS RX |
| TC27 | <u>The FDD LTE Band 25 Test Mode</u> FDD LTE Band 25 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + BDS RX |
| TC28 | <u>The FDD LTE Band 28 Test Mode</u> FDD LTE Band 28 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GPS RX |
| TC29 | <u>The TDD LTE Band 38 Test Mode</u> TDD LTE Band 38 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI |

| | |
|---------------------|---|
| | Link + GLONASS RX |
| TC30 | <u>The TDD LTE Band 39 Test Mode</u> TDD LTE Band 39 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + BDS RX |
| TC31 | <u>The TDD LTE Band 40 Test Mode</u> TDD LTE Band 40 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GPS RX |
| TC32 | <u>The TDD LTE Band 41 Test Mode</u> TDD LTE Band 41 Link + Adapter + USB Cable + Battery + Earphone + BT Link + WIFI Link + GLONASS RX |
| TC33 | <u>The Idle Test Mode</u> GSM 850(Idle) + Adapter + USB Cable + Battery + Earphone |
| Amusement Test Mode | |
| TC34 | <u>The Camera Test Mode</u> EUT + Adapter + USB Cable + Battery + Earphone + TF Card |
| TC35 | <u>The Video Play Test Mode</u> EUT + Adapter + USB Cable + Battery + Earphone + TF Card |
| TC36 | <u>The USB Test Mode</u> EUT + Laptop + USB Cable + Battery + Earphone + TF Card |
| TC37 | <u>The NFC Test Mode</u> EUT + Adapter + USB Cable + Battery + NFC Link+ IC Card |

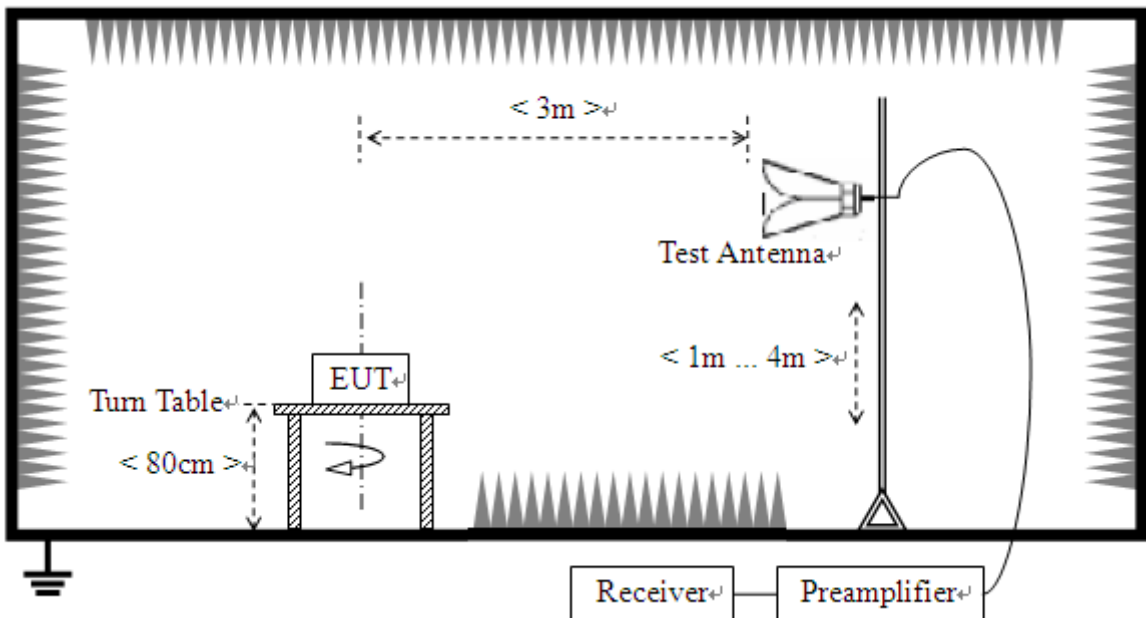
4.5 Test Setups

Test Setup 1



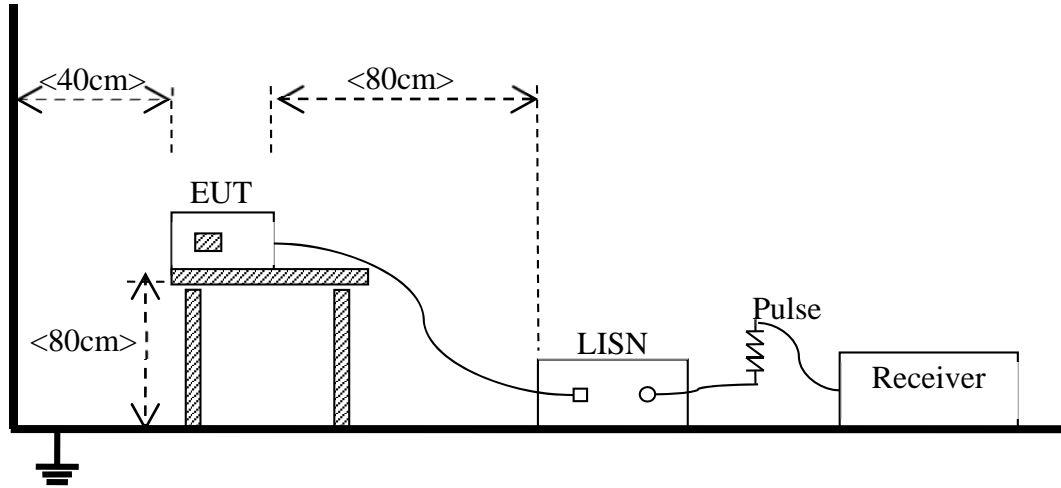
(For Radiated Emission Test (30 MHz-1 GHz))

Test Setup 2



(For Radiated Emission Test (above 1 GHz))

Test Setup 3



(For Conducted Emission, AC Ports Test)

4.6 Test Conditions

| Test Case | Test Conditions | |
|------------------------------|--------------------|---------------------------|
| Radiated Emission | Test Env. | NTNV |
| | Test Setup | Test Setup 1&2 |
| | Test Configuration | TC01~TC37 ^{Note} |
| Conducted Emission, AC Ports | Test Env. | NTNV |
| | Test Setup | Test Setup 3 |
| | Test Configuration | TC01~TC37 ^{Note} |

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 GSM 850 MHz Test Mode is the worst mode in this report.

5 TEST ITEMS

5.1 Emission Tests

5.1.1 Radiated Emission

5.1.1.1 Limit

| Frequency range (MHz) | Class B (at 3 m) | | Class B (at 10 m) | Class A (at 10 m) | |
|-----------------------|---|--|--|---|--|
| | Field Strength ($\mu\text{V}/\text{m}$) | Field Strength ($\text{dB}\mu\text{V}/\text{m}$) | Field Strength ($\text{dB}\mu\text{V}/\text{m}$) | Field Strength ($\mu\text{V}/\text{m}$) | Field Strength ($\text{dB}\mu\text{V}/\text{m}$) |
| 30 - 88 | 100 | 40 | 30 | 90 | 39 |
| 88 - 216 | 150 | 43.5 | 33.5 | 150 | 43.5 |
| 216 - 960 | 200 | 46 | 36 | 210 | 46.4 |
| Above 960 | 500 | 54 | 44 | 300 | 49.5 |

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) The limits using ANSI C63.4.

5.1.1.2 Test Setup

Refer to 4.5 section (test setup 1 to test setup 2) for radiated emission test, the photo of test setup please refer to ANNEX B.

5.1.1.3 Test Procedure

The test employing the methods of measurement described in the publication referenced in Section 3(b) (ANSI C63.4);

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.

5.1.1.4 Test Result

Please refer to ANNEX A.1.

5.1.2 Conducted Emission

5.1.2.1 Test Limit

| Frequency range (MHz) | Class A | |
|-----------------------|-------------------------|----------------------|
| | Quasi-peak (dB μ V) | Average (dB μ V) |
| 0.15 - 0.50 | 79 | 66 |
| 0.50 - 30 | 73 | 60 |

| Frequency range (MHz) | Class B | |
|-----------------------|-------------------------|----------------------|
| | Quasi-peak (dB μ V) | Average (dB μ V) |
| 0.15 - 0.50 | 66 to 56 | 56 to 46 |
| 0.50 - 5 | 56 | 46 |
| 5 - 30 | 60 | 50 |

NOTE:

- 1) The lower limit shall apply at the band edges.
- 2) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50 MHz.
- 3) The limit using ANSI C63.4.

5.1.2.2 Test Setup

Refer to 4.5 section test (test setup 3) for conducted emission, the photo of test setup please refer to ANNEX B.

5.1.2.3 Test Procedure

The test employing the methods of measurement described in the publication referenced in Section 3(b) (ANSI C63.4);

The EUT is connected to the power mains through a LISN which provides 50 Ω /50 μ 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.

Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

5.1.2.4 Test Result

Please refer to ANNEX A.2.

ANNEX A TEST RESULTS

A.1 Radiated Emission

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

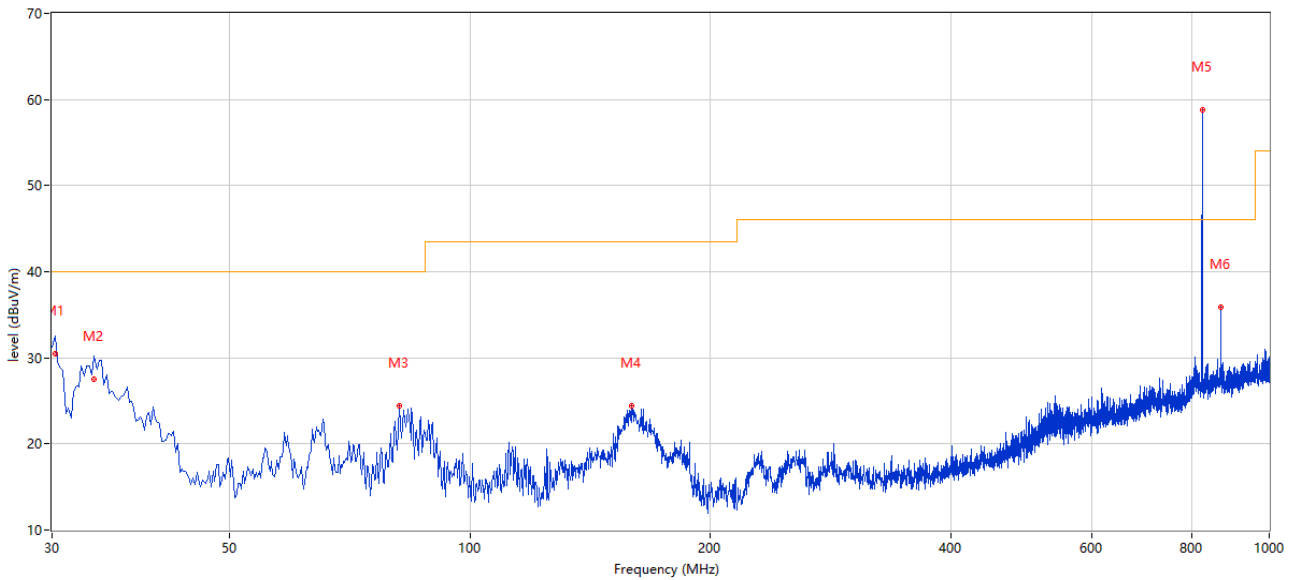
Note 2: For the test data above 1 GHz, according the ANSI C63.4-2014, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 3: This frequency which near 850 MHz with circle should be ignored because they are MS and SS carrier frequency.

Test Data and Plots

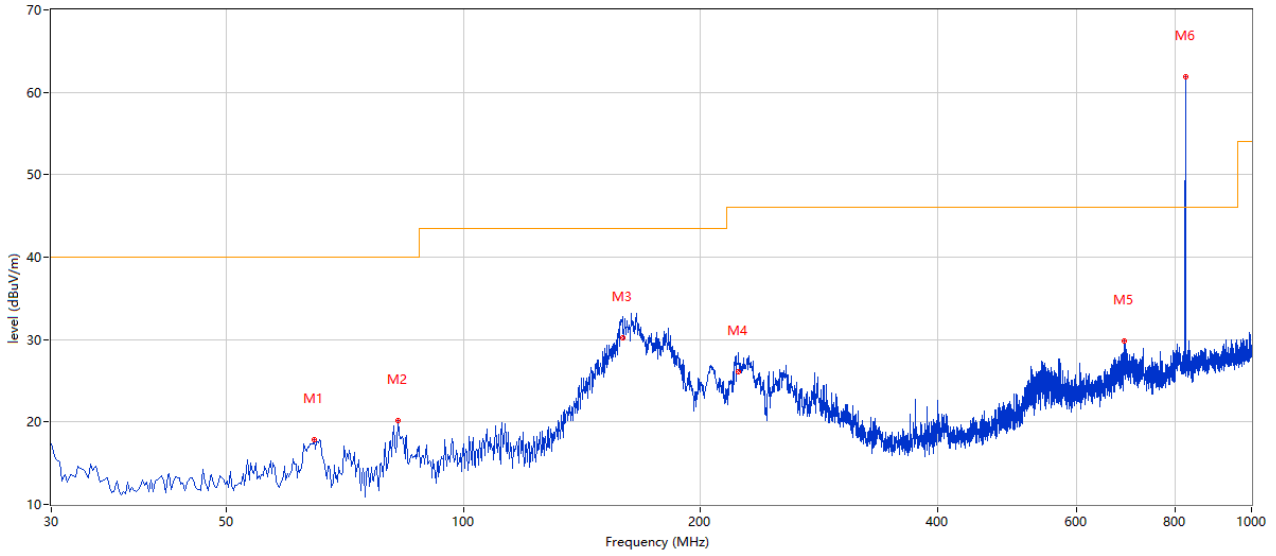
The GSM 850 MHz Test Mode

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



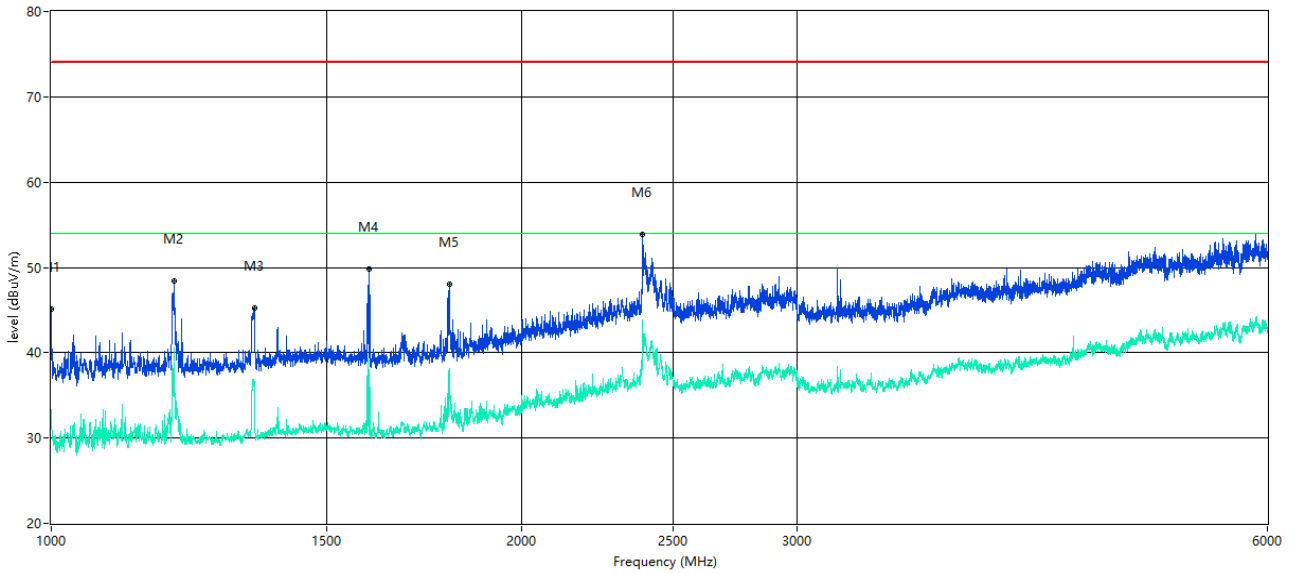
| Frequency (MHz) | Peak Level (dBuV/m) | Q-peak Level (dBuV/m) | Average Level (dBuV/m) | Factor (dB) | PK Limit (dBuV/m) | QP Limit (dBuV/m) | AV Limit (dBuV/m) | Margin (dB) | Table (o) | Height (cm) | ANT | Verdict |
|-----------------|---------------------|-----------------------|------------------------|-------------|-------------------|-------------------|-------------------|-------------|-----------|-------------|----------|---------|
| 30.242 | 32.58 | 30.53 | -- | -28.48 | -- | 40.0 | -- | 9.47 | 295.60 | 100 | Vertical | Pass |
| 33.879 | 30.20 | 27.45 | -- | -28.69 | -- | 40.0 | -- | 12.55 | 295.60 | 100 | Vertical | Pass |
| 81.640 | 24.48 | -- | -- | -32.45 | -- | 40.0 | -- | 15.52 | 62.90 | 100 | Vertical | Pass |
| 159.220 | 24.48 | -- | -- | -31.05 | -- | 43.5 | -- | 19.02 | 360.00 | 100 | Vertical | Pass |
| 823.989 | 58.83 | -- | -- | -13.10 | -- | 46.0 | -- | -12.83 | 269.20 | 100 | Vertical | N.A |
| 869.083 | 35.90 | -- | -- | -13.06 | -- | 46.0 | -- | 10.10 | 150.10 | 100 | Vertical | N.A |

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



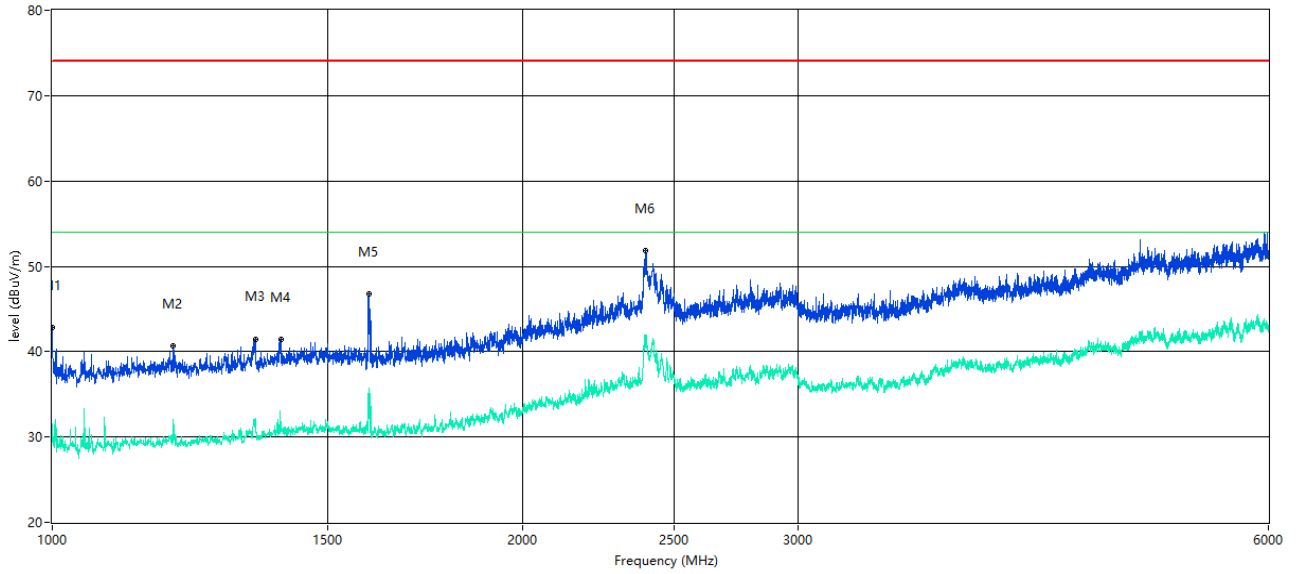
| Frequency (MHz) | Peak Level (dBuV/m) | Q-peak Level (dBuV/m) | Average Level (dBuV/m) | Factor (dB) | PK Limit (dBuV/m) | QP Limit (dBuV/m) | AV Limit (dBuV/m) | Margin (dB) | Table (o) | Height (cm) | ANT | Verdict |
|-----------------|---------------------|-----------------------|------------------------|-------------|-------------------|-------------------|-------------------|-------------|-----------|-------------|------------|---------|
| 64.669 | 17.89 | -- | -- | -28.72 | -- | 40.0 | -- | 22.11 | 69.60 | 100 | Horizontal | Pass |
| 82.609 | 20.20 | -- | -- | -32.25 | -- | 40.0 | -- | 19.80 | 0.00 | 100 | Horizontal | Pass |
| 159.220 | 32.82 | 30.19 | -- | -31.05 | -- | 43.5 | -- | 13.31 | 58.00 | 100 | Horizontal | Pass |
| 223.467 | 28.37 | 26.06 | -- | -27.97 | -- | 46.0 | -- | 19.94 | 215.90 | 100 | Horizontal | Pass |
| 689.678 | 29.85 | -- | -- | -17.19 | -- | 46.0 | -- | 16.15 | 359.40 | 100 | Horizontal | Pass |
| 824.231 | 61.85 | -- | -- | -13.10 | -- | 46.0 | -- | -15.85 | 119.30 | 100 | Horizontal | N.A |

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



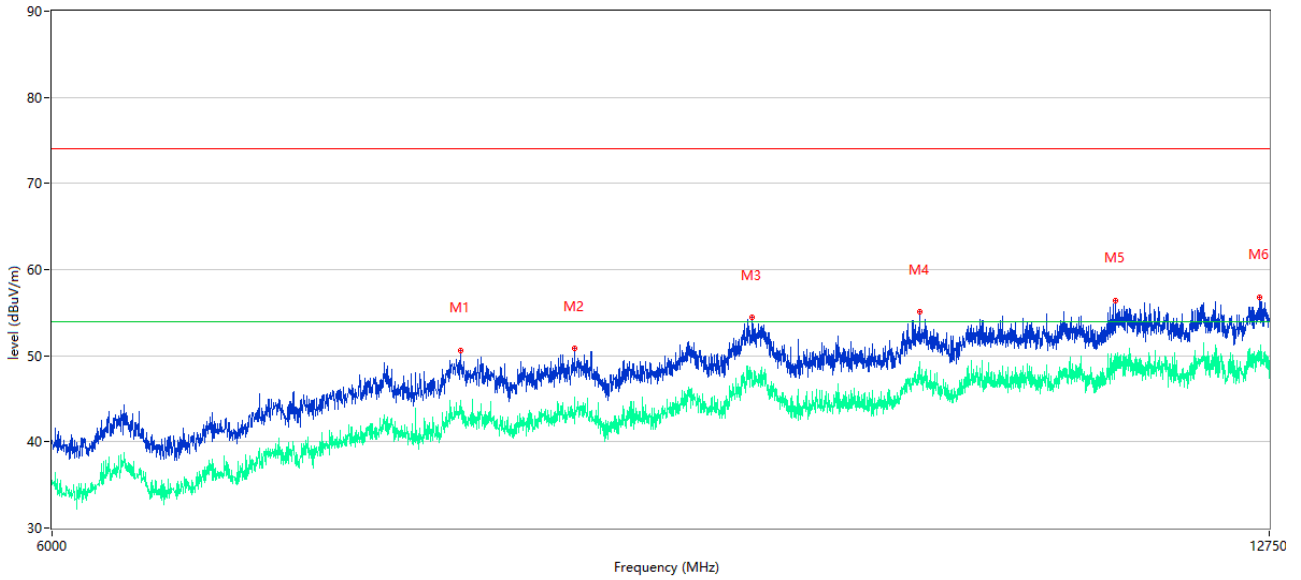
| Frequency (MHz) | Peak Level (dBuV/m) | Q-peak Level (dBuV/m) | Average Level (dBuV/m) | Factor (dB) | PK Limit (dBuV/m) | QP Limit (dBuV/m) | AV Limit (dBuV/m) | Margin (dB) | Table (o) | Height (cm) | ANT | Verdict |
|-----------------|---------------------|-----------------------|------------------------|-------------|-------------------|-------------------|-------------------|-------------|-----------|-------------|----------|---------|
| 1000.000 | 45.14 | -- | 33.4 | -11.35 | 74.0 | -- | 54.0 | 20.60 | 221.80 | 100 | Vertical | Pass |
| 1197.951 | 48.38 | -- | 40.6 | -12.17 | 74.0 | -- | 54.0 | 13.40 | 32.50 | 100 | Vertical | Pass |
| 1348.413 | 45.24 | -- | 36.3 | -12.19 | 74.0 | -- | 54.0 | 17.70 | 151.40 | 100 | Vertical | Pass |
| 1597.351 | 49.78 | -- | 38.0 | -12.40 | 74.0 | -- | 54.0 | 16.00 | 74.50 | 100 | Vertical | Pass |
| 1797.801 | 48.00 | -- | 38.1 | -10.76 | 74.0 | -- | 54.0 | 15.90 | 38.90 | 100 | Vertical | Pass |
| 2390.152 | 53.83 | -- | 43.2 | -1.28 | 74.0 | -- | 54.0 | 10.80 | 138.50 | 100 | Vertical | Pass |

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



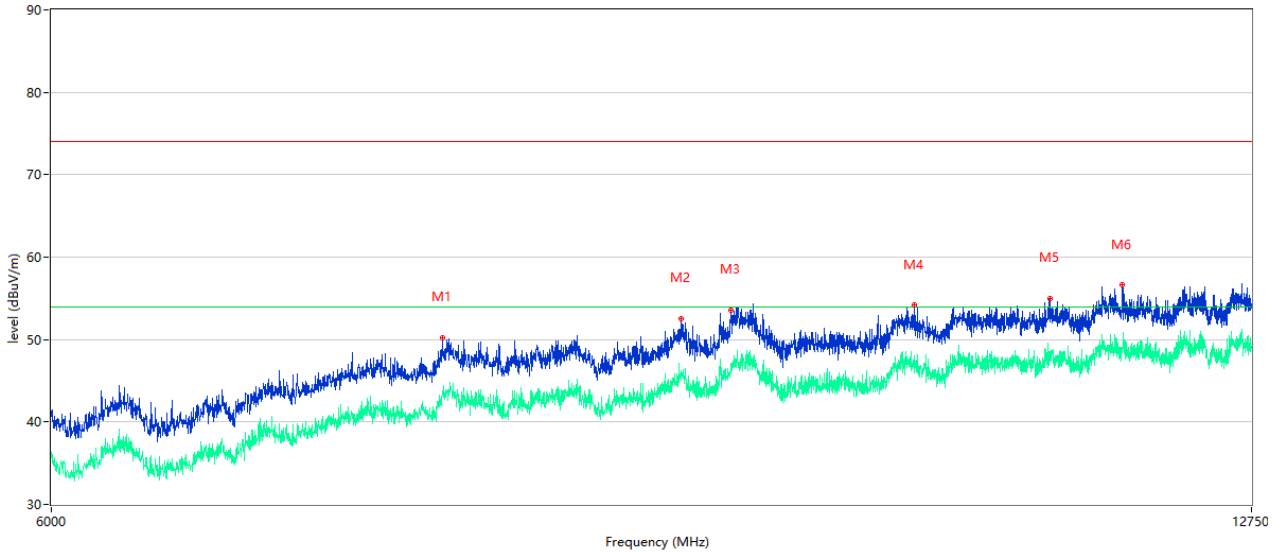
| Frequency (MHz) | Peak Level (dBuV/m) | Q-peak Level (dBuV/m) | Average Level (dBuV/m) | Factor (dB) | PK Limit (dBuV/m) | QP Limit (dBuV/m) | AV Limit (dBuV/m) | Margin (dB) | Table (o) | Height (cm) | ANT | Verdict |
|-----------------|---------------------|-----------------------|------------------------|-------------|-------------------|-------------------|-------------------|-------------|-----------|-------------|------------|---------|
| 1000.000 | 42.83 | -- | 31.6 | -11.35 | 74.0 | -- | 54.0 | 22.40 | 0.50 | 100 | Horizontal | Pass |
| 1194.451 | 40.62 | -- | 32.1 | -12.15 | 74.0 | -- | 54.0 | 21.90 | 88.40 | 100 | Horizontal | Pass |
| 1348.413 | 41.49 | -- | 32.2 | -12.19 | 74.0 | -- | 54.0 | 21.80 | 78.50 | 100 | Horizontal | Pass |
| 1399.900 | 41.40 | -- | 30.7 | -11.81 | 74.0 | -- | 54.0 | 23.30 | 75.60 | 100 | Horizontal | Pass |
| 1593.852 | 46.73 | -- | 35.7 | -12.00 | 74.0 | -- | 54.0 | 18.30 | 49.60 | 100 | Horizontal | Pass |
| 2398.150 | 51.79 | -- | 41.8 | -0.03 | 74.0 | -- | 54.0 | 12.20 | 314.50 | 100 | Horizontal | Pass |

A.1.5 Test Antenna Vertical, 6 GHz – 12.75 GHz



| Frequency (MHz) | Peak Level (dBuV/m) | Q-peak Level (dBuV/m) | Average Level (dBuV/m) | Factor (dB) | PK Limit (dBuV/m) | QP Limit (dBuV/m) | AV Limit (dBuV/m) | Margin (dB) | Table (o) | Height (cm) | ANT | Verdict |
|-----------------|---------------------|-----------------------|------------------------|-------------|-------------------|-------------------|-------------------|-------------|-----------|-------------|----------|---------|
| 7727.568 | 50.56 | -- | 44.8 | -7.75 | 74.0 | -- | 54.0 | 9.20 | 360.30 | 100 | Vertical | Pass |
| 8292.739 | 50.80 | -- | 45.3 | -6.80 | 74.0 | -- | 54.0 | 8.70 | 285.80 | 100 | Vertical | Pass |
| 9257.748 | 54.41 | -- | 47.8 | -4.29 | 74.0 | -- | 54.0 | 6.20 | 22.90 | 100 | Vertical | Pass |
| 10266.621 | 55.06 | -- | 49.4 | -2.17 | 74.0 | -- | 54.0 | 4.60 | 355.90 | 100 | Vertical | Pass |
| 11592.664 | 56.36 | -- | 50.3 | -0.90 | 74.0 | -- | 54.0 | 3.70 | 355.90 | 100 | Vertical | Pass |
| 12672.394 | 56.73 | -- | 49.9 | 0.17 | 74.0 | -- | 54.0 | 4.10 | 268.50 | 100 | Vertical | Pass |

A.1.6 Test Antenna Horizontal, 6 GHz – 12.75 GHz

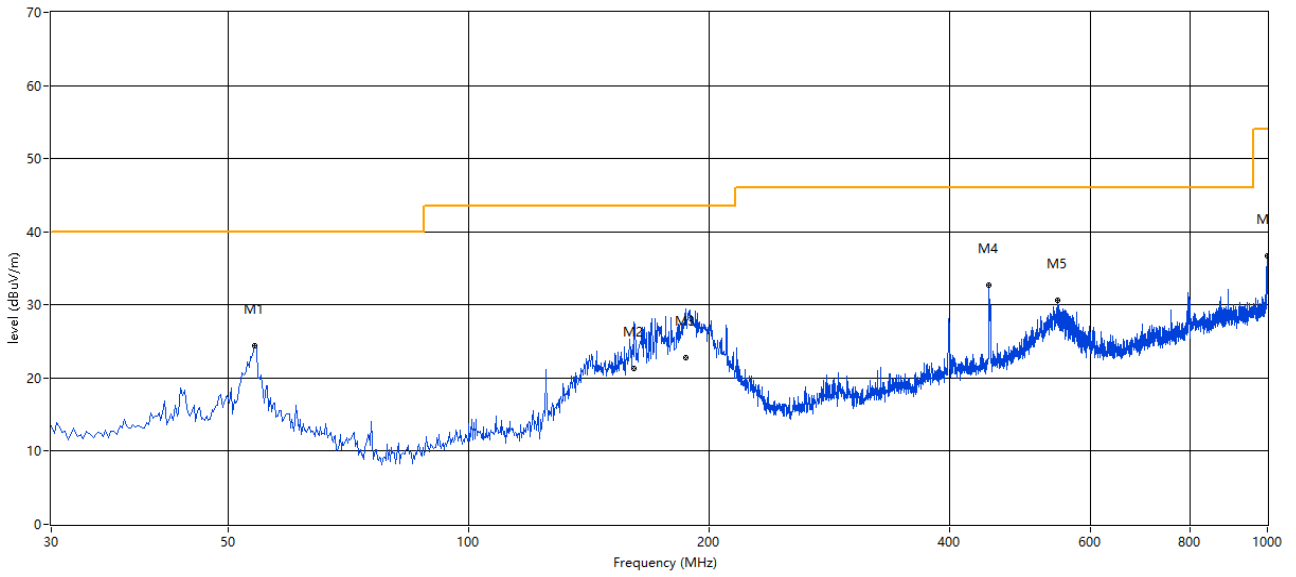


| Frequency (MHz) | Peak Level (dBuV/m) | Q-peak Level (dBuV/m) | Average Level (dBuV/m) | Factor (dB) | PK Limit (dBuV/m) | QP Limit (dBuV/m) | AV Limit (dBuV/m) | Margin (dB) | Table (o) | Height (cm) | ANT | Verdict |
|-----------------|---------------------|-----------------------|------------------------|-------------|-------------------|-------------------|-------------------|-------------|-----------|-------------|------------|---------|
| 7670.207 | 50.23 | -- | 43.4 | -8.31 | 74.0 | -- | 54.0 | 10.60 | 306.00 | 100 | Horizontal | Pass |
| 8913.584 | 52.52 | -- | 46.3 | -5.23 | 74.0 | -- | 54.0 | 7.70 | 3.80 | 100 | Horizontal | Pass |
| 9193.639 | 53.62 | -- | 47.1 | -5.04 | 74.0 | -- | 54.0 | 6.90 | 56.20 | 100 | Horizontal | Pass |
| 10313.859 | 54.15 | -- | 48.0 | -2.22 | 74.0 | -- | 54.0 | 6.00 | 200.20 | 100 | Horizontal | Pass |
| 11231.630 | 55.02 | -- | 47.6 | -1.78 | 74.0 | -- | 54.0 | 6.40 | 148.10 | 100 | Horizontal | Pass |
| 11757.998 | 56.60 | -- | 49.1 | -1.07 | 74.0 | -- | 54.0 | 4.90 | 310.20 | 100 | Horizontal | Pass |

Test Data and Plots

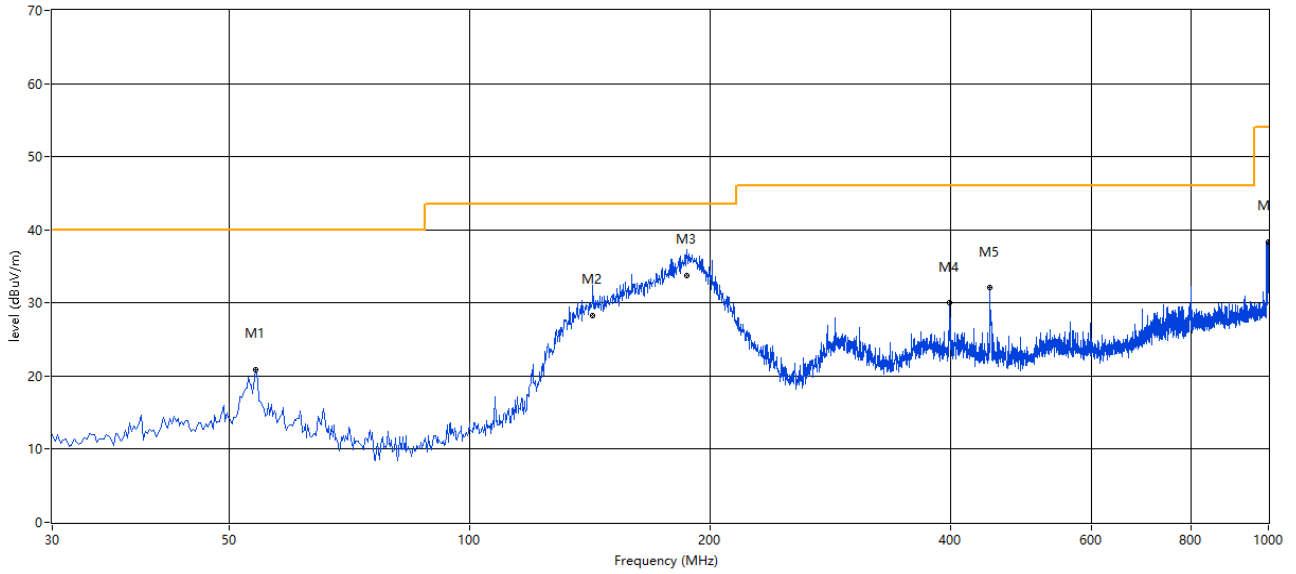
The USB Test Mode

A.1.7 Test Antenna Vertical, 30 MHz – 1 GHz



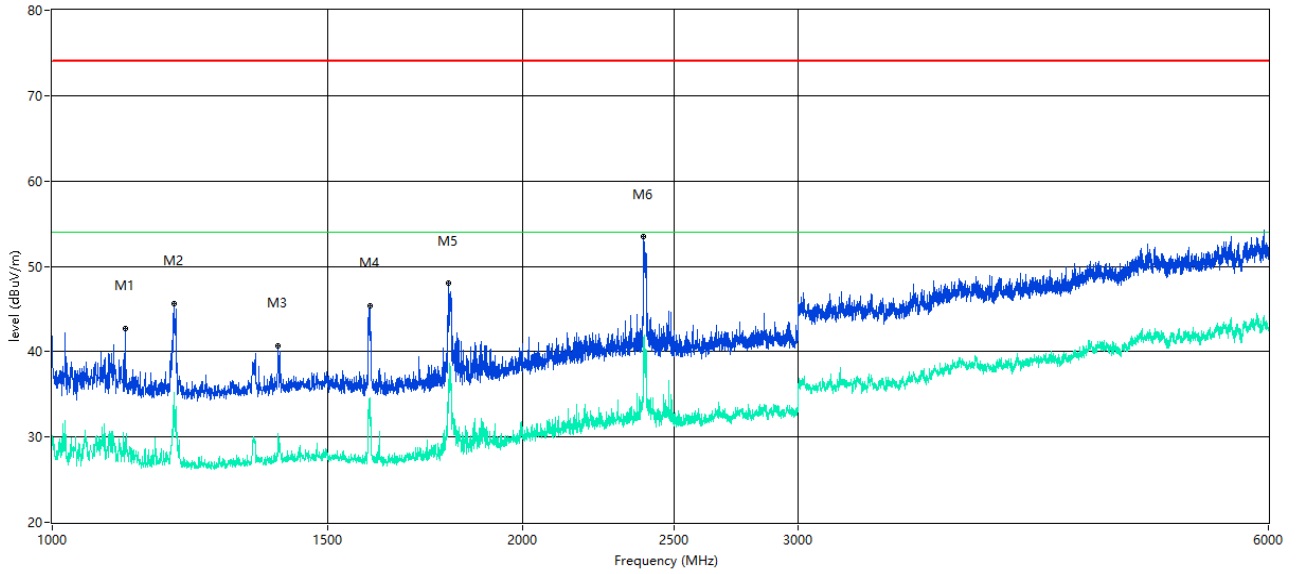
| Frequency (MHz) | Peak Level (dBuV/m) | Q-peak Level (dBuV/m) | Average Level (dBuV/m) | Factor (dB) | PK Limit (dBuV/m) | QP Limit (dBuV/m) | AV Limit (dBuV/m) | Margin (dB) | Table (o) | Height (cm) | ANT | Verdict |
|-----------------|---------------------|-----------------------|------------------------|-------------|-------------------|-------------------|-------------------|-------------|-----------|-------------|----------|---------|
| 54.001 | 24.43 | -- | -- | -26.80 | -- | 40.0 | -- | 15.57 | 102.80 | 100 | Vertical | Pass |
| 161.160 | 27.74 | 21.24 | -- | -30.97 | -- | 43.5 | -- | 22.26 | 360.00 | 200 | Vertical | Pass |
| 187.101 | 29.46 | 22.86 | -- | -29.44 | -- | 43.5 | -- | 20.64 | 63.60 | 200 | Vertical | Pass |
| 447.723 | 32.68 | -- | -- | -22.64 | -- | 46.0 | -- | 13.32 | 37.90 | 200 | Vertical | Pass |
| 546.881 | 30.62 | -- | -- | -20.12 | -- | 46.0 | -- | 15.38 | 352.60 | 100 | Vertical | Pass |
| 998.788 | 36.78 | -- | -- | -11.54 | -- | 54.0 | -- | 17.22 | 357.60 | 100 | Vertical | Pass |

A.1.8 Test Antenna Horizontal, 30 MHz – 1 GHz



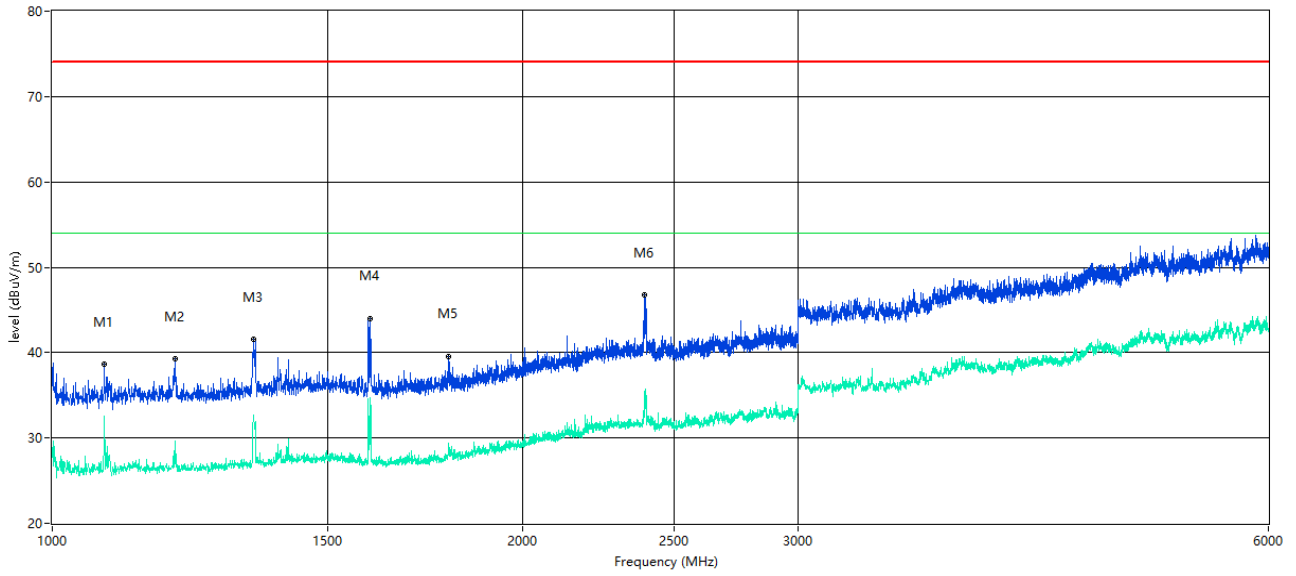
| Frequency (MHz) | Peak Level (dBuV/m) | Q-peak Level (dBuV/m) | Average Level (dBuV/m) | Factor (dB) | PK Limit (dBuV/m) | QP Limit (dBuV/m) | AV Limit (dBuV/m) | Margin (dB) | Table (o) | Height (cm) | ANT | Verdict |
|-----------------|---------------------|-----------------------|------------------------|-------------|-------------------|-------------------|-------------------|-------------|-----------|-------------|------------|---------|
| 54.001 | 20.90 | -- | -- | -26.80 | -- | 40.0 | -- | 19.10 | 358.80 | 200 | Horizontal | Pass |
| 142.492 | 32.41 | 28.22 | -- | -31.80 | -- | 43.5 | -- | 15.28 | 349.90 | 200 | Horizontal | Pass |
| 186.908 | 37.74 | 33.75 | -- | -29.44 | -- | 43.5 | -- | 9.75 | 360.00 | 179 | Horizontal | Pass |
| 398.993 | 29.99 | -- | -- | -23.54 | -- | 46.0 | -- | 16.01 | 252.80 | 100 | Horizontal | Pass |
| 447.723 | 32.05 | -- | -- | -22.64 | -- | 46.0 | -- | 13.95 | 356.80 | 100 | Horizontal | Pass |
| 999.515 | 38.33 | -- | -- | -11.52 | -- | 54.0 | -- | 15.67 | 30.70 | 200 | Horizontal | Pass |

A.1.9 Test Antenna Vertical, 1 GHz – 6 GHz



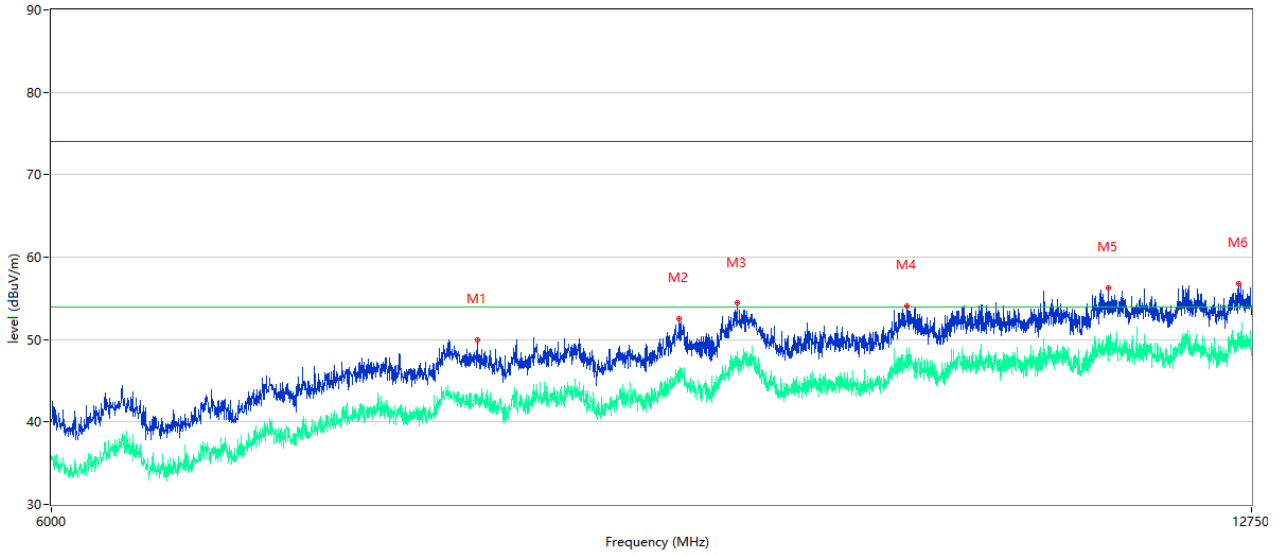
| Frequency (MHz) | Peak Level (dBuV/m) | Q-peak Level (dBuV/m) | Average Level (dBuV/m) | Factor (dB) | PK Limit (dBuV/m) | QP Limit (dBuV/m) | AV Limit (dBuV/m) | Margin (dB) | Table (o) | Height (cm) | ANT | Verdict |
|-----------------|---------------------|-----------------------|------------------------|-------------|-------------------|-------------------|-------------------|-------------|-----------|-------------|----------|---------|
| 1112.972 | 42.74 | -- | 29.9 | -14.67 | 74.0 | -- | 54.0 | 24.10 | 213.00 | 100 | Vertical | Pass |
| 1195.951 | 45.64 | -- | 35.2 | -15.05 | 74.0 | -- | 54.0 | 18.80 | 4.00 | 100 | Vertical | Pass |
| 1394.901 | 40.70 | -- | 30.4 | -15.23 | 74.0 | -- | 54.0 | 23.60 | 44.70 | 100 | Vertical | Pass |
| 1596.851 | 45.39 | -- | 34.6 | -15.50 | 74.0 | -- | 54.0 | 19.40 | 10.10 | 100 | Vertical | Pass |
| 1792.802 | 47.99 | -- | 36.3 | -14.68 | 74.0 | -- | 54.0 | 17.70 | 28.90 | 100 | Vertical | Pass |
| 2389.653 | 53.48 | -- | 40.5 | -9.29 | 74.0 | -- | 54.0 | 13.50 | 64.00 | 100 | Vertical | Pass |

A.1.10 Test Antenna Horizontal, 1 GHz – 6 GHz



| Frequency (MHz) | Peak Level (dBuV/m) | Q-peak Level (dBuV/m) | Average Level (dBuV/m) | Factor (dB) | PK Limit (dBuV/m) | QP Limit (dBuV/m) | AV Limit (dBuV/m) | Margin (dB) | Table (o) | Height (cm) | ANT | Verdict |
|-----------------|---------------------|-----------------------|------------------------|-------------|-------------------|-------------------|-------------------|-------------|-----------|-------------|------------|---------|
| 1079.480 | 38.62 | -- | 32.5 | -14.50 | 74.0 | -- | 54.0 | 21.50 | 107.50 | 100 | Horizontal | Pass |
| 1198.950 | 39.22 | -- | 29.6 | -15.12 | 74.0 | -- | 54.0 | 24.40 | 358.90 | 100 | Horizontal | Pass |
| 1345.914 | 41.56 | -- | 32.6 | -15.42 | 74.0 | -- | 54.0 | 21.40 | 352.60 | 100 | Horizontal | Pass |
| 1597.351 | 44.00 | -- | 34.7 | -15.50 | 74.0 | -- | 54.0 | 19.30 | 25.50 | 100 | Horizontal | Pass |
| 1793.802 | 39.56 | -- | 29.2 | -14.68 | 74.0 | -- | 54.0 | 24.80 | 139.10 | 100 | Horizontal | Pass |
| 2393.652 | 46.76 | -- | 35.5 | -9.50 | 74.0 | -- | 54.0 | 18.50 | 123.10 | 100 | Horizontal | Pass |

A.1.11 Test Antenna Vertical, 6 GHz – 12.75 GHz



| Frequency (MHz) | Peak Level (dBuV/m) | Q-peak Level (dBuV/m) | Average Level (dBuV/m) | Factor (dB) | PK Limit (dBuV/m) | QP Limit (dBuV/m) | AV Limit (dBuV/m) | Margin (dB) | Table (o) | Height (cm) | ANT | Verdict |
|-----------------|---------------------|-----------------------|------------------------|-------------|-------------------|-------------------|-------------------|-------------|-----------|-------------|----------|---------|
| 7840.602 | 49.92 | -- | 43.3 | -8.54 | 74.0 | -- | 54.0 | 10.70 | 243.20 | 100 | Vertical | Pass |
| 8900.087 | 52.57 | -- | 46.3 | -4.86 | 74.0 | -- | 54.0 | 7.70 | 169.90 | 100 | Vertical | Pass |
| 9229.068 | 54.41 | -- | 48.5 | -4.64 | 74.0 | -- | 54.0 | 5.50 | 234.60 | 100 | Vertical | Pass |
| 10271.682 | 54.11 | -- | 48.9 | -2.20 | 74.0 | -- | 54.0 | 5.10 | 239.00 | 100 | Vertical | Pass |
| 11656.773 | 56.25 | -- | 50.4 | -0.87 | 74.0 | -- | 54.0 | 3.60 | 292.20 | 100 | Vertical | Pass |
| 12648.775 | 56.76 | -- | 50.9 | 0.20 | 74.0 | -- | 54.0 | 3.10 | 4.30 | 100 | Vertical | Pass |

A.1.12 Test Antenna Horizontal, 6 GHz – 12.75 GHz



| Frequency (MHz) | Peak Level (dBuV/m) | Q-peak Level (dBuV/m) | | Average Level (dBuV/m) | Factor (dB) | PK Limit (dBuV/m) | QP Limit (dBuV/m) | AV Limit (dBuV/m) | Margin (dB) | Table (o) | Height (cm) | ANT | Verdict |
|-----------------|---------------------|-----------------------|--|------------------------|-------------|-------------------|-------------------|-------------------|-------------|-----------|-------------|------------|---------|
| 7688.765 | 50.68 | -- | | 44.1 | -7.92 | 74.0 | -- | 54.0 | 9.90 | 360.00 | 100 | Horizontal | Pass |
| 8296.113 | 51.07 | -- | | 44.1 | -6.74 | 74.0 | -- | 54.0 | 9.90 | 282.10 | 100 | Horizontal | Pass |
| 9242.564 | 55.14 | -- | | 48.8 | -4.55 | 74.0 | -- | 54.0 | 5.20 | 49.60 | 100 | Horizontal | Pass |
| 10313.859 | 54.52 | -- | | 47.9 | -2.22 | 74.0 | -- | 54.0 | 6.10 | 120.00 | 100 | Horizontal | Pass |
| 11626.406 | 56.22 | -- | | 50.2 | -0.80 | 74.0 | -- | 54.0 | 3.80 | 172.90 | 100 | Horizontal | Pass |
| 12245.564 | 56.83 | -- | | 50.0 | -0.42 | 74.0 | -- | 54.0 | 4.00 | 80.70 | 100 | Horizontal | Pass |

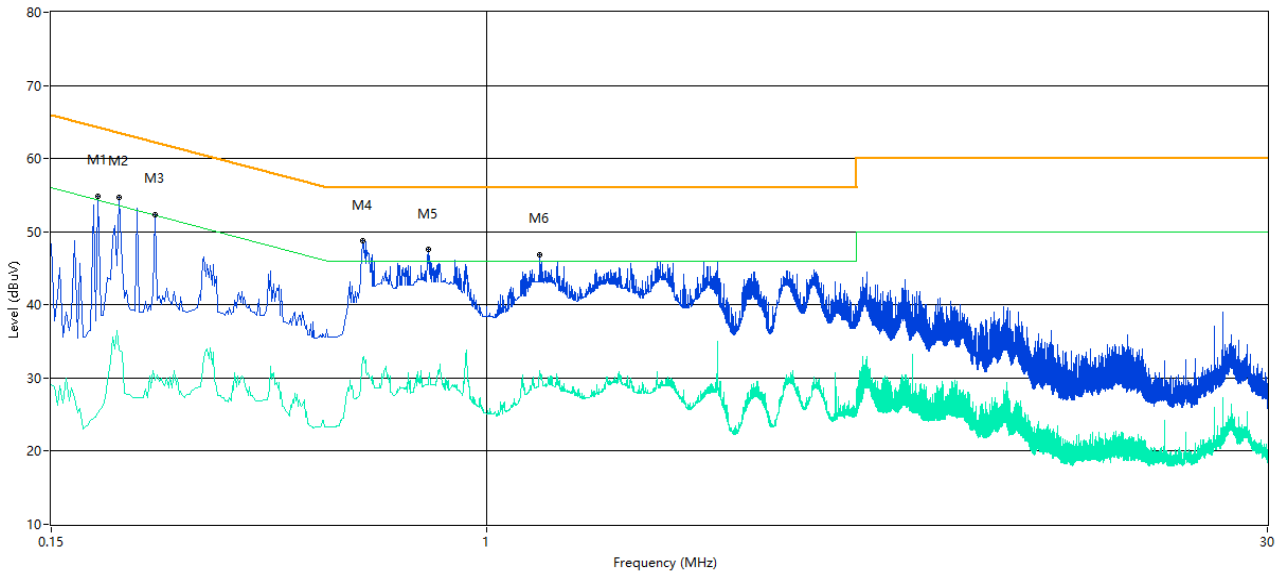
A.2 Conducted Emission

Test Data and Plots

The GSM 850 MHz Test Mode

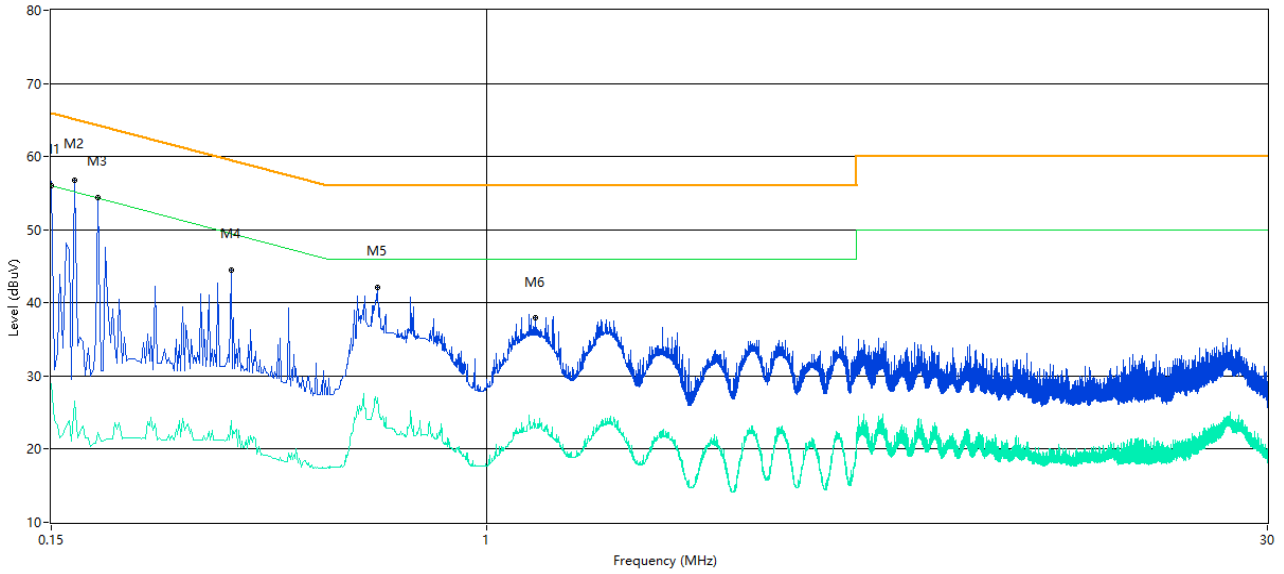
Note: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

A.2.1 L Phase



| Frequency (MHz) | Peak Level (dBuV) | Q-peak Level (dBuV) | Average Level (dBuV) | Factor (dB) | QP Limit (dBuV) | AV Limit (dBuV) | Margin (dB) | Line | Verdict |
|-----------------|-------------------|---------------------|----------------------|-------------|-----------------|-----------------|-------------|--------|---------|
| 0.184 | 58.05 | 39.98 | 22.23 | 10.01 | 64.3 | 54.3 | 24.32 | L Line | Pass |
| 0.202 | 57.34 | 43.62 | 34.31 | 10.01 | 63.5 | 53.5 | 19.19 | L Line | Pass |
| 0.236 | 53.80 | 38.26 | 30.08 | 10.01 | 62.2 | 52.2 | 22.12 | L Line | Pass |
| 0.582 | 49.60 | 45.66 | 32.39 | 10.02 | 56.0 | 46.0 | 10.34 | L Line | Pass |
| 0.774 | 47.44 | 42.15 | 29.43 | 10.03 | 56.0 | 46.0 | 13.85 | L Line | Pass |
| 1.260 | 46.77 | 42.66 | 30.53 | 10.04 | 56.0 | 46.0 | 13.34 | L Line | Pass |

A.2.2 N Phase



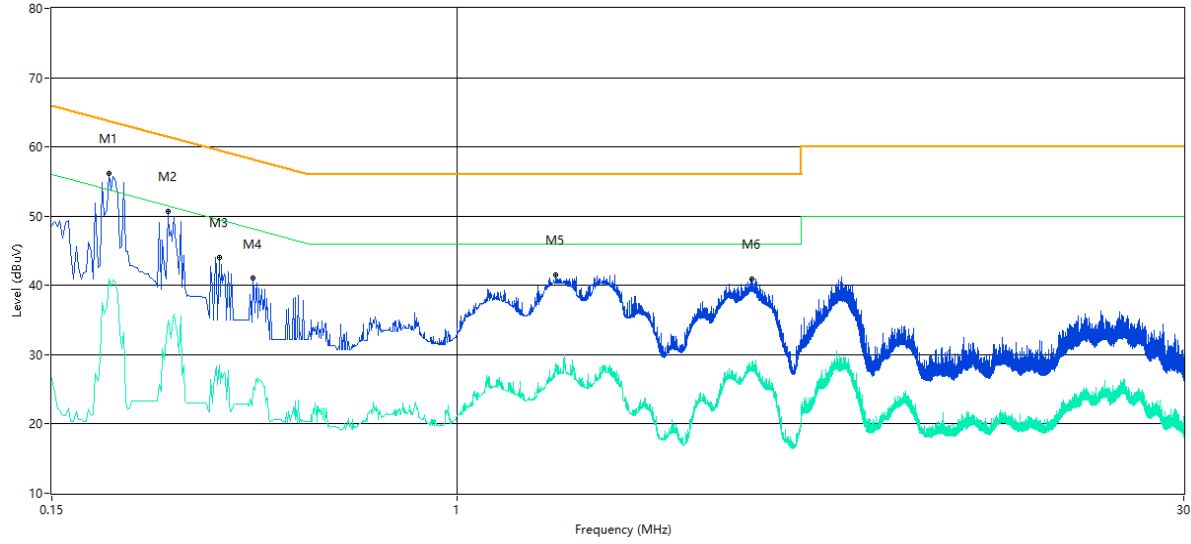
| Frequency (MHz) | Peak Level (dBuV) | Q-peak Level (dBuV) | Average Level (dBuV) | Factor (dB) | QP Limit (dBuV) | AV Limit (dBuV) | Margin (dB) | Line | Verdict |
|-----------------|-------------------|---------------------|----------------------|-------------|-----------------|-----------------|-------------|--------|---------|
| 0.150 | 56.7 | -- | 28.9 | 10.00 | 66.0 | 56.0 | 9.30 | N Line | Pass |
| 0.166 | 56.8 | -- | 26.6 | 10.01 | 65.2 | 55.2 | 8.40 | N Line | Pass |
| 0.184 | 54.3 | -- | 22.3 | 10.01 | 64.3 | 54.3 | 10.00 | N Line | Pass |
| 0.328 | 44.5 | -- | 23.8 | 10.01 | 59.5 | 49.5 | 15.00 | N Line | Pass |
| 0.622 | 42.1 | -- | 27.1 | 10.02 | 56.0 | 46.0 | 13.90 | N Line | Pass |
| 1.238 | 37.9 | -- | 23.2 | 10.04 | 56.0 | 46.0 | 18.10 | N Line | Pass |

Test Data and Plots

The USB Test Mode

A.2.3 L Phase

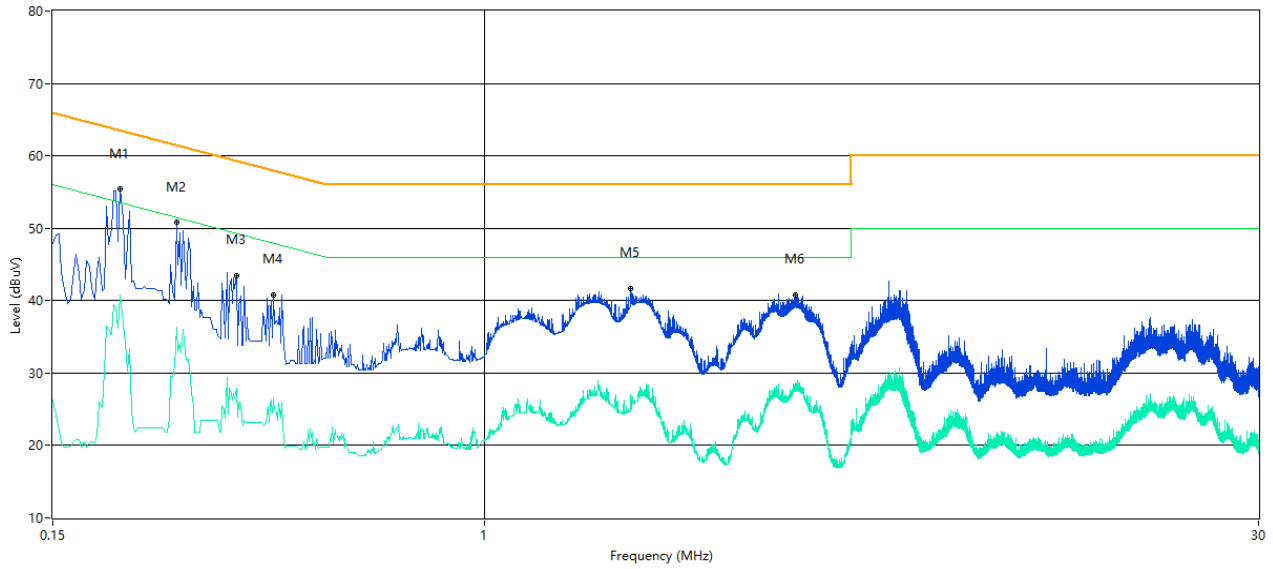
C Emission Test case_FCC_CE_FCC PART 15B_Class B



| Frequency (MHz) | Peak Level (dBuV) | Q-peak Level (dBuV) | Average Level (dBuV) | Factor (dB) | QP Limit (dBuV) | AV Limit (dBuV) | Margin (dB) | Line | Verdict |
|-----------------|-------------------|---------------------|----------------------|-------------|-----------------|-----------------|-------------|--------|---------|
| 0.196 | 56.10 | 52.45 | 39.67 | 10.01 | 63.8 | 53.8 | 11.35 | L Line | Pass |
| 0.258 | 50.74 | 46.31 | 34.08 | 10.01 | 61.5 | 51.5 | 15.19 | L Line | Pass |
| 0.328 | 43.95 | 39.63 | 27.65 | 10.01 | 59.5 | 49.5 | 19.87 | L Line | Pass |
| 0.384 | 41.65 | 36.01 | 25.14 | 10.01 | 58.2 | 48.2 | 22.19 | L Line | Pass |
| 1.588 | 41.93 | 38.13 | 28.44 | 10.05 | 56.0 | 46.0 | 17.56 | L Line | Pass |
| 3.970 | 41.57 | 36.48 | 28.28 | 10.13 | 56.0 | 46.0 | 17.72 | L Line | Pass |

A.2.4 N Phase

C Emission Test case_FCC_CE_FCC PART 15B_Class B



| Frequency (MHz) | Peak Level (dBuV) | Q-peak Level (dBuV) | Average Level (dBuV) | Factor (dB) | QP Limit (dBuV) | AV Limit (dBuV) | Margin (dB) | Line | Verdict |
|-----------------|-------------------|---------------------|----------------------|-------------|-----------------|-----------------|-------------|--------|---------|
| 0.202 | 56.40 | 51.91 | 39.17 | 10.01 | 63.5 | 53.5 | 11.59 | N Line | Pass |
| 0.258 | 50.74 | 46.46 | 33.51 | 10.01 | 61.5 | 51.5 | 15.04 | N Line | Pass |
| 0.336 | 43.38 | 38.79 | 26.82 | 10.01 | 59.3 | 49.3 | 20.51 | N Line | Pass |
| 0.396 | 42.02 | 36.17 | 25.69 | 10.01 | 57.9 | 47.9 | 21.73 | N Line | Pass |
| 1.902 | 41.56 | 36.66 | 25.81 | 10.06 | 56.0 | 46.0 | 19.34 | N Line | Pass |
| 3.912 | 41.36 | 36.52 | 28.22 | 10.13 | 56.0 | 46.0 | 17.78 | N Line | Pass |

ANNEX B TEST SETUP PHOTOS

Please refer the document "BL-EC1840167-AE.PDF".

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document "BL-EC1840167-AW.PDF".

ANNEX D EUT INTERNAL PHOTOS

Please refer the document "BL-EC1840167-AI.PDF".

--END OF REPORT--