





EMC TEST REPORT

| Applicant: | Corporativo Lanix S.A. de C.V. |
|------------|--|
| Address: | Carretera Internacional Hermosillo-Nogales Km 8.5, Hermosillo Sonora, Mexico |

| Manufacturer or Supplier | Shenzhen Tinno Mobile Technology Corp. |
|--------------------------|---|
| Address | 4/F., H-3 Building, OCT Eastern Industrial Park. NO.1 XiangShan East Road., Nan Shan District, Shenzhen, P.R.China. |
| Product | Smartphone |
| Brand Name | LANIX |
| Model Name | Ilium L610 |
| FCC ID | ZC4L610 |
| Date of tests | May 18, 2016 ~ Jun. 11, 2016 |

The submitted sample of the above equipment has been tested for according to the requirements of the following standards:

ANSI C63.4:2014

CONCLUSION: The submitted sample was found to **COMPLY** with the test requirement

| Issued by Amyee Qian Engineer / Mobile Department | Approved by William Chung Manager / Mobile Department | |
|--|--|--|
| | | |

Date: Jun. 12, 2016

Zatallini -

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Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch No. 19, Hwa Ya 2nd Rd., Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

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RELEASE CONTROL RECORD

| ISSUE NO. | REASON FOR CHANGE | DATE ISSUED |
|--------------|-------------------|---------------|
| FV160517W001 | Original release | Jun. 12, 2016 |

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1 GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF EUT

| PRODUCT | Smartphone | | |
|------------------------|--|---|--|
| MODEL NAME | Ilium L610 | | |
| NOMINAL VOLTAGE | 5.0Vdc (adapter or host equipment) 3.8Vdc (Li-ion, battery) | | |
| BATTERY | | LANIX Ilium L610-BAT : DC 3.8V, 2500mAh, Li-ion | |
| | WLAN | CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM | |
| MODULATION TYPE | Bluetooth | GFSK, π/4-DQPSK, 8DPSK | |
| | GSM/EDGE | GMSK, 8PSK | |
| | WCDMA | BPSK/QPSK | |
| | WLAN | 2412 ~ 2462MHz for 11b/g/n(HT20) 2422 ~ 2452MHz for 11n(HT40) | |
| | Bluetooth | 2402MHz ~ 2480MHz | |
| OPERATING FREQUENCY | GSM/EDGE | 824.2MHz ~ 848.8MHz (FOR GSM 850) 1850.2MHz ~ 1909.8MHz (FOR PCS 1900) | |
| | WCDMA | 1852.4MHz ~ 1907.6MHz (FOR WCDMA 850) 826.4MHz ~ 846.6MHz (FOR WCDMA 1900) | |
| HW Version | V0.10 | | |
| SW Version | Ilium L610_TELCEL_SW_01_01 | | |
| I/O PORTS | Refer to user's manual | | |
| CABLE | USB cable: shielded, detachable, 0.8meter Earphone cable: Unshielded, detachable, 1.5meter | | |
| ACCESSORY DEVICES | Refer to note as below | | |

NOTE:

- 1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- 2. The EUT was powered by the following adapters:

| ADAPTER 1 | | |
|---------------------|--------------------|--|
| BRAND: | LANIX | |
| MODEL: Ilium L610-C | | |
| INPUT: | AC 100-240V, 150mA | |
| OUTPUT: | DC 5V, 1000mA | |

| ADAPTER 2 | | |
|---------------------|--------------------|--|
| BRAND: | LANIX | |
| MODEL: Ilium L610-C | | |
| INPUT: | AC 100-240V, 150mA | |
| OUTPUT: | DC 5V, 1000mA | |

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3. The EUT matched the following USB cable and Earphone:

| USB CABLE | | |
|--------------|------------|--|
| BRAND: LANIX | | |
| MODEL: | Ilium L610 | |
| SIGNAL LINE: | 0.8 METER | |

| EARPHONE | | |
|--------------|------------|--|
| BRAND: LANIX | | |
| MODEL: | Ilium L610 | |
| SIGNAL LINE: | 1.5 METER | |

For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

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1.2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

| APPLIED STANDARD: FCC Part 15, Subpart B | | | | |
|--|---|--------------|--|--|
| Standard Section | Test Item | Result | Remark | |
| FCC Part 15, Subpart B, Class B | Conducted Test Radiated Emission Test (30MHz - 1GHz) | PASS PASS | Meets limits minimum passing margin is 12.76dB at 4.908000MHz. Meets Class B Limit Minimum passing margin is | |
| ANSI C63.4:2014 | Test (30MHz ~ 1GHz) Radiated Emission Test (Above 1GHz) | PASS | -3.03dB at 84.32MHz Meets Class B Limit Minimum passing margin is -8.78dB at 5838MHz | |

1.3 MEASUREMENT UNCERTAINTY

Where relevant, 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 | FREQUENCY | UNCERTAINTY |
|-------------------------|----------------|-------------|
| Conducted emissions | 150kHz ~ 30MHz | +/-2.66dB |
| De diete de serie eiene | 30MHz ~ 1GHz | +/-4.06dB |
| Radiated emissions | 1GHz ~ 18GHz | +/-4.58dB |

1.4 DESCRIPTION OF TEST MODES

| Test Mode | Test Condition |
|--------------|---|
| | Radiated emission test |
| 1 | GSM850 Idle+ Adapter 1+ Earphone + USB cable+ BT Idle + Wifi Idle(2.4G) + GPS Rx |
| 2 | GSM1900 Idle + Adapter 2+ Earphone + USB cable+ BT Idle + Wifi Idle(2.4G) + GLONASS Rx |
| 3 | WCDMA850 Idle + Adapter1 + Earphone + USB cable+ BT Idle + Wifi Idle(2.4G) + GPS Rx |
| 4 | WCDMA1900 Idle + Adapter 2 + Earphone + USB cable+ BT Idle + Wifi Idle(2.4G) + GLONASS Rx |
| 5 | LTE B2 Idle + Adapter 1+ Earphone + USB cable+ BT Idle + Wifi Idle(2.4G) + GPS Rx + FM Rx |
| 6 | LTE B4 Idle + Adapter 2+ Earphone + USB cable+ BT Idle + Wifi Idle(2.4G) + + GLONASS Rx + Mpeg4 |
| 7 | LTE B7 Idle + Adapter 1+ Earphone + USB cable+ BT Idle + Wifi Idle(2.4G) + GPS Rx +Back camera on |
| 8 | LTE B17 Idle + USB Link + Earphone + USB cable+ BT Idle + Wifi Idle(2.4G) + + GLONASS Rx + Front camera on |
| | Conducted emission test |
| 1 | GSM850 Idle+ Adapter 1+ Earphone + USB cable+ BT Idle + Wifi Idle(2.4G) + GPS Rx |
| 2 | GSM1900 Idle + Adapter 2+ Earphone + USB cable+ BT Idle + Wifi Idle(2.4G) + GLONASS Rx |
| 3 | WCDMA850 Idle + Adapter1 + Earphone + USB cable+ BT Idle + Wifi Idle(2.4G) + GPS Rx |
| 4 | WCDMA1900 Idle + Adapter 2 + Earphone + USB cable+ BT Idle + Wifi Idle(2.4G) + GLONASS Rx |
| 5 | LTE B2 Idle + Adapter 1 + Earphone + USB cable+ BT Idle + Wifi Idle(2.4G) + GPS Rx + FM Rx |
| 6 | LTE B4 Idle + Adapter 2 + Earphone + USB cable+ BT Idle + Wifi Idle(2.4G) + + GLONASS Rx + Mpeg4 |
| 7 | LTE B7 Idle + Adapter 1 + Earphone + USB cable+ BT Idle + Wifi Idle(2.4G) + GPS Rx +Back camera on |
| 8 | LTE B17 Idle + Adapter 2 + Earphone + USB cable+ BT Idle + Wifi Idle(2.4G) + + GLONASS Rx + Front camera on |

NOTE:

- 1. For conducted emission test, test mode 7 was the worst case and only this mode was presented in this report.
- 2. For radiated emission test, test mode 8 was the worst case and only this mode was presented in this report.

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1.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

FOR EMISSION TESTS

| NO. | PRODUCT | BRAND | MODEL NO. | SERIAL NO. | FCC ID |
|-----|--|--------|------------------|------------|--------|
| 1 | Universal Radio Communication Tester | R&S | CMU200 | 123259 | N/A |
| 2 | Wireless AP | ABOCOM | WR224GR | 060500749P | D43064 |
| 3 | Bluetooth Earphone | FAP00 | H6080 | 12098 | N/A |
| 4 | Notebook | DELL | E6420 | 9H12FS1 | N/A |
| 5 | Mouse | DELL | M056UOA | 01688082 | N/A |
| 6 | Printer | HP | hp LaserJet 1300 | CNSJF75989 | N/A |

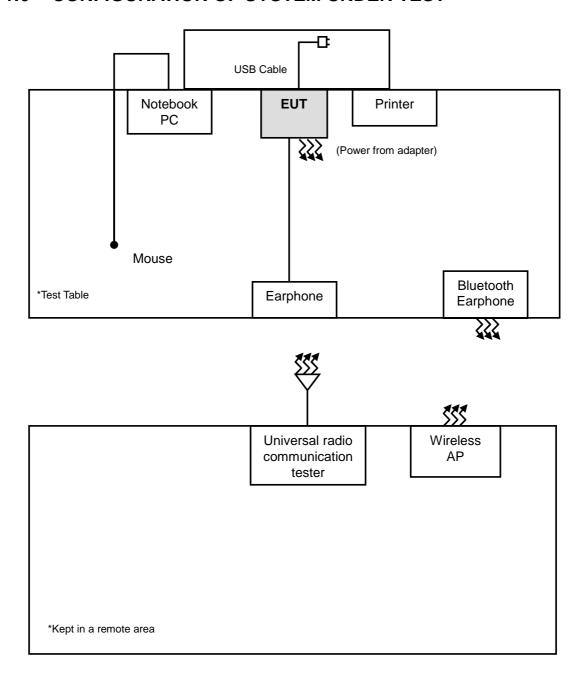
| NO. | SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS |
|-----|---|
| 1 | N/A |
| 2 | N/A |
| 3 | N/A |
| 4 | DC Line: Unshielded, Undetachable, 2.0m |
| 5 | USB Line: Unshielded, Undetachable 1.8m; |
| 6 | USB Line: Shielded, Detachable 1.5m; |

NOTE

- 1. All power cords of the above support units are non shielded (1.8m).
- 2. Items 3-4 acted as communication partners.

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1.6 CONFIGURATION OF SYSTEM UNDER TEST



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2 EMISSION TEST

2.1 CONDUCTED EMISSION MEASUREMENT

2.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

TEST STANDARD: FCC Part 15, Subpart B (Section: 15.107)

| FREQUENCY OF EMISSION (MHz) | CONDUCTED LIMIT (dBµV) | | |
|-----------------------------|------------------------|----------------|--|
| | Quasi-peak | Average | |
| 0.15 ~ 0.5 0.5 ~ 5 | 66 to 56 56 | 56 to 46 46 | |
| 5 ~ 30 | 60 | 50 | |

NOTE: 1.The lower limit shall apply at the transition frequencies.

- 2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.
- 3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

2.1.2 TEST INSTRUMENTS

| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Next Cal. |
|-----------------------------|---------------|-----------------|-------------|------------|------------|
| EMI Test Receiver | Rohde&Schwarz | ESCS30 | 100340 | May 11,15 | May 10,17 |
| Artificial Mains Network | Rohde&Schwarz | ENV216 | 101173 | Mar. 04,16 | Mar. 03,17 |
| Artificial Mains Network | Rohde&Schwarz | ESH3-Z5 | 100317 | Apr. 05,16 | Apr. 04,17 |
| Voltage probe | SCHWARZBECK | TK 9421 | TK 9421-176 | Jan. 08,16 | Jan. 07,17 |
| Test software | ADT | ADT_Cond_V7.3.7 | N/A | N/A | N/A |

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

- 2. The test was performed in HwaYa Shielded Room 1.
- 3. The VCCI Site Registration No. is C-2040.

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2.1.3 TEST PROCEDURES

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30MHz was searched. Emission levels under (Limit 20dB) were not recorded.

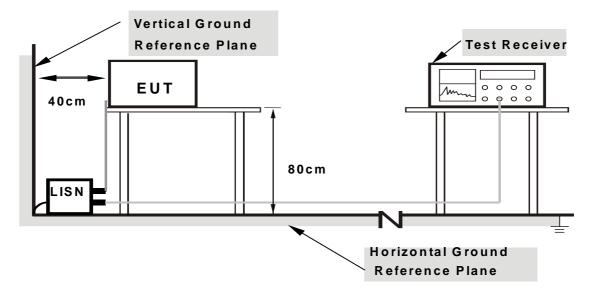
NOTE: All modes of operation were investigated and the worst-case emissions are reported.

2.1.4 DEVIATION FROM TEST STANDARD

No deviation.

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2.1.5 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

For the actual test configuration, please refer to the attached file (Test Setup Photo).

2.1.6 EUT OPERATING CONDITIONS

- a. Turned on the power and connected of all equipment.
- b. EUT was operated according to the use type described in the manufacturer's specifications or the user's manual.

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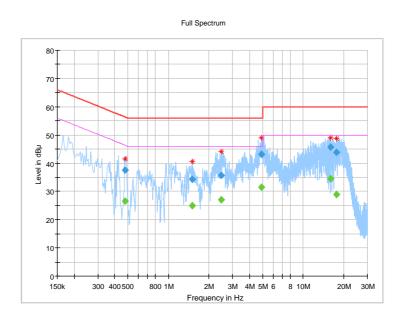
2.1.7 TEST RESULTS

| TEST VOLTAGE | DC 5V From Adapter Input 230 Vac, 50 Hz | 6dB BANDWIDTH | 9 kHz |
|--------------------------|--|---------------|-------|
| ENVIRONMENTAL CONDITIONS | 24deg. C, 55RH | TESTED BY | Eric |

| Frequency (MHz) | QuasiPeak (dB¦ÌV) | CAverage (dB¦ÌV) | Limit (dB¦ÌV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|----------------------|---------------------|------------------|----------------|------|--------|---------------|
| 0.476000 | | 26.64 | 46.41 | 19.77 | L | ON | 9.7 |
| 0.476000 | 37.44 | | 56.41 | 18.97 | L | ON | 9.7 |
| 1.500000 | | 25.02 | 46.00 | 20.98 | L | ON | 9.7 |
| 1.500000 | 34.36 | | 56.00 | 21.64 | L | ON | 9.7 |
| 2.456000 | | 27.15 | 46.00 | 18.85 | L | ON | 9.7 |
| 2.456000 | 35.57 | | 56.00 | 20.43 | L | ON | 9.7 |
| 4.908000 | | 31.43 | 46.00 | 14.57 | L | ON | 9.7 |
| 4.908000 | 43.24 | | 56.00 | 12.76 | L | ON | 9.7 |
| 15.932000 | | 34.55 | 50.00 | 15.45 | L | ON | 9.9 |
| 15.932000 | 45.63 | | 60.00 | 14.37 | L | ON | 9.9 |
| 17.740000 | | 28.90 | 50.00 | 21.10 | L | ON | 9.9 |
| 17.740000 | 43.88 | | 60.00 | 16.12 | L | ON | 9.9 |

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.

- 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
- 3. The emission levels of other frequencies were very low against the limit.
- 4. Margin value = Emission level Limit value
- 5. Correction factor = Insertion loss + Cable loss
- 6. Emission Level = Correction Factor + Reading Value.



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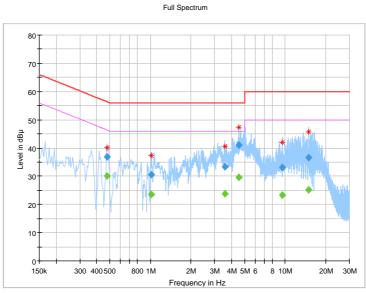


| TEST VOLTAGE | DC 5V From Adapter Input 230 Vac, 50 Hz | 6dB BANDWIDTH | 9 kHz |
|--------------------------|--|---------------|-------|
| ENVIRONMENTAL CONDITIONS | 24deg. C, 55RH | TESTED BY | Eric |

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|---------------------|--------------------|-----------------|----------------|------|--------|---------------|
| 0.476000 | | 30.01 | 46.41 | 16.40 | N | ON | 10.1 |
| 0.476000 | 36.95 | | 56.41 | 19.46 | N | ON | 10.1 |
| 1.016000 | | 23.47 | 46.00 | 22.53 | N | ON | 9.9 |
| 1.016000 | 30.44 | | 56.00 | 25.56 | N | ON | 9.9 |
| 3.596000 | | 23.88 | 46.00 | 22.12 | N | ON | 9.8 |
| 3.596000 | 33.39 | | 56.00 | 22.61 | N | ON | 9.8 |
| 4.548000 | | 29.64 | 46.00 | 16.36 | N | ON | 9.8 |
| 4.548000 | 41.05 | | 56.00 | 14.95 | N | ON | 9.8 |
| 9.508000 | | 23.24 | 50.00 | 26.76 | N | ON | 9.9 |
| 9.508000 | 33.02 | | 60.00 | 26.98 | N | ON | 9.9 |
| 14.972000 | | 25.19 | 50.00 | 24.81 | N | ON | 9.9 |
| 14.972000 | 36.64 | | 60.00 | 23.36 | N | ON | 9.9 |

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.

- 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
- 3. The emission levels of other frequencies were very low against the limit.
- 4. Margin value = Emission level Limit value
- 5. Correction factor = Insertion loss + Cable loss
- 6. Emission Level = Correction Factor + Reading Value.



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2.2 RADIATED EMISSION MEASUREMENT

2.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

TEST STANDARD: FCC Part 15, Subpart B (Section: 15.109)

Emissions radiated outside of the specified bands, shall be according to the general radiated limits as following:

| Radiated Emissions Limits at 10 meters (dBμV/m) | | | | | | | | |
|---|----------------------------------|----------------------|----------------------|-------------|--|--|--|--|
| Frequencies (MHz) | FCC 15B/ ICES-003, Class A | CISPR 22, Class A | CISPR 22, Class B | | | | | |
| 30-88 | 39 | 29.5 | | | | | | |
| 88-216 | 43.5 | 33.1 | 40 | 30 | | | | |
| 216-230 | 46.4 | 35.6 | | | | | | |
| 230-960 | 40.4 | 33.6 | 47 | 37 | | | | |
| 960-1000 | 49.5 | 43.5 | 47 | 31 | | | | |
| 1000-3000 | Avg: 49.5 | Avg: 43.5 | Not defined | Not defined | | | | |
| 3000+ | Peak: 69.5 | Peak: 63.5 | Not defined | Not defined | | | | |

| Radiated Emissions Limits at 3 meters (dBµV/m) | | | | | | | |
|--|-----------------------------------|-----------------------------------|----------------------|----------------------|--|--|--|
| Frequencies (MHz) | FCC 15B / ICES-003, Class A | FCC 15B / ICES-003, Class B | CISPR 22, Class A | CISPR 22, Class B | | | |
| 30-88 | 49.5 | 40 | | | | | |
| 88-216 | 54 | 43.5 | 50.5 | 40.5 | | | |
| 216-230 | 56.9 | 46 | | | | | |
| 230-960 | 56.9 | 40 | E7 E | 47 E | | | |
| 960-1000 | 60 | 54 | 57.5 | 47.5 | | | |
| 1000-3000 | | | Avg: 56 | Avg: 50 | | | |
| | Avg: 60 | Avg: 54 | Peak: 76 | Peak: 70 | | | |
| 3000+ | Peak: 80 | Peak: 74 | Avg: 60 Peak: 80 | Avg: 54 Peak: 74 | | | |

NOTE: 1. The lower limit shall apply at the transition frequencies.

- 2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
- 3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.
- 4. QP detector shall be applied if not specified.



2.2.2 TEST INSTRUMENTS

| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Next Cal. |
|--------------------------------|---------------|---------------------------|------------|-------------|-------------|
| EMI Test Receiver | Rohde&Schwarz | ESR7 | 101494 | Apr. 05,16 | Apr. 04,17 |
| Bilog Antenna | Teseq | CBL 6111D | 30643 | Jul. 16, 15 | Jul. 15, 16 |
| Horn Antenna (1GHz -18GHz) | ETS -Lindgren | 3117 | 00062558 | May 30, 15 | May 29, 17 |
| Amplifier | Burgeon | BPA-530 | 100220 | Apr. 05,16 | Apr. 04,17 |
| Pre-Amplifier (18GHz-40GHz) | EMCI | EMC 184045 | 980102 | Nov. 20,15 | Nov. 19,17 |
| Pre-Amplifier | HP | 8449B | 3008A00409 | Apr. 25,15 | Apr. 24,17 |
| GPS Generator+ Antenna | TOJOIN | GNSS-5000A | E1-010119 | Aug. 08, 14 | Aug. 07, 16 |
| 3m Semi-anechoic Chamber | ETS-LINDGREN | 9m*6m*6m | NSEMC003 | Mar. 12,16 | Mar. 11,18 |
| Test Software | ADT | ADT_Radiated _V7.6.15.9.2 | N/A | N/A | N/A |

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

- 2. The test was performed in HwaYa Chamber 1.
- 3. The FCC Site Registration No. is 477732.
- 4. The IC Site Registration No. is IC 7450F-1.
- 5. The VCCI Site Registration No. is R-1893.

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2.2.3 TEST PROCEDURE

The basic test procedure was in accordance with ANSI C63.4:2014 (section 12).

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meters Semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters (below 1GHz) and 3 meters (above 1GHz) away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. The bore sight should be used during the test above 1GHz.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test receiver/spectrum was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.

NOTE:

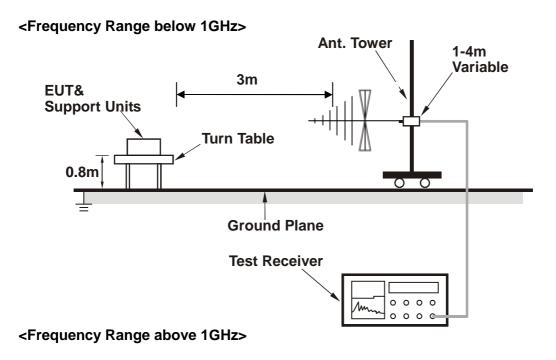
- 1. The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
- The resolution bandwidth is 1MHz and video bandwidth of test receiver/spectrum analyzer is 3MHz for Peak detection at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth of test receiver/spectrum analyzer is 1Hz for Average detection (AV) at frequency above 1GHz.
- 3. For measurement of frequency above 1000 MHz, the EUT was set 3 meters away from the receiver antenna.
- 4. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
- 5. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) (if the raw value not contains the amplifier);
- 6. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) Amplifier Gain(dB) (if the raw value contains the amplifier).
- 7. Margin value = Emission level Limit value.

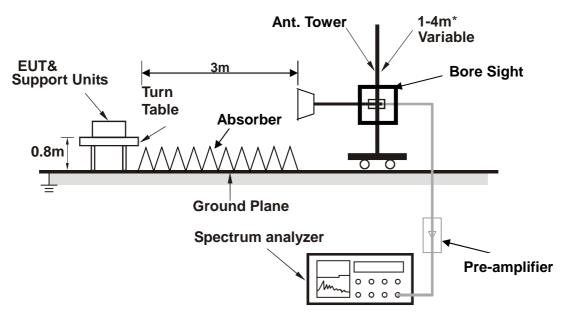
2.2.4 DEVIATION FROM TEST STANDARD

No deviation.

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2.2.5 TEST SETUP





*: depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

2.2.6 EUT OPERATING CONDITIONS

Same as item 2.1.6.

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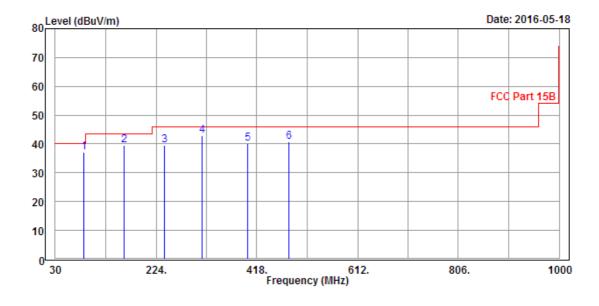


2.2.7 TEST RESULTS

| TEST VOLTAGE | DC 5V From Adapter Input 120Vac, 50 Hz | FREQUENCY RANGE | 30-1000 MHz | |
|---|---|-------------------------------------|----------------------|--|
| ENVIRONMENTAL CONDITIONS 26deg. C, 61 %RH | | DETECTOR FUNCTION & BANDWIDTH | Quasi-Peak , 120 kHz | |
| TESTED BY | Alex Chen | | | |

| | ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | | |
|-----|---|-------------------------------|------------------------|-------------------|----------------|---------------------------|----------------------------|--------------------------------|--|--|
| No. | Freq. (MHz) | Emission Level (dBuV/m) | Raw Value (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Table Angle (Degree) | Correction Factor (dB/m) | | |
| 1 | 84.32 QP | 36.97 | 64.92 | 40.00 | -3.03 | 200 | 360 | -28.07 | | |
| 2 | 162.89 QP | 39.59 | 63.45 | 43.50 | -3.91 | 200 | 86 | -23.9 | | |
| 3 | 240.49 QP | 39.64 | 61.39 | 46.00 | -6.36 | 200 | 360 | -21.75 | | |
| 4 | 312.27 QP | 42.98 | 62.91 | 46.00 | -3.02 | 200 | 360 | -16.06 | | |
| 5 | 399.57 QP | 40.30 | 56.36 | 46.00 | -5.70 | 200 | 360 | -15.06 | | |
| 6 | 480.08 QP | 40.71 | 55.77 | 46.00 | -5.29 | 200 | 360 | -9.77 | | |

- REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 - 2. Negative sign (-) in the margin column signify levels below the limit.
 - 3. Frequency range scanned: 30MHz to 1000MHz.
 - 4. Only emissions significantly above equipment noise floor are reported.



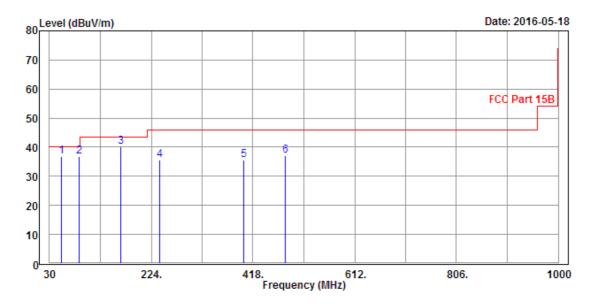
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| TEST VOLTAGE | DC 5V From Adapter Input 120 Vac, 50 Hz | FREQUENCY RANGE | 30-1000 MHz | |
|--------------------------|--|-------------------------------------|----------------------|--|
| ENVIRONMENTAL CONDITIONS | 26deg. C, 61 %RH | DETECTOR FUNCTION & BANDWIDTH | Quasi-Peak , 120 kHz | |
| TESTED BY | Alex Chen | | | |

| | ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | | |
|-----|---|-------------------------------|------------------------|-------------------|----------------|---------------------------|----------------------------|--------------------------------|--|--|
| No. | Freq. (MHz) | Emission Level (dBuV/m) | Raw Value (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Table Angle (Degree) | Correction Factor (dB/m) | | |
| 1 | 52.31 QP | 36.86 | 65.42 | 40.00 | -3.14 | 100 | 88 | -26.63 | | |
| 2 | 87.23 QP | 36.68 | 64.53 | 40.00 | -3.32 | 101 | 360 | -25.62 | | |
| 3 | 165.71 QP | 40.15 | 64.05 | 43.50 | -3.35 | 100 | 360 | -23.86 | | |
| 4 | 239.52 QP | 35.57 | 57.36 | 46.00 | -10.43 | 101 | 360 | -21.85 | | |
| 5 | 399.57 QP | 35.61 | 51.67 | 46.00 | -10.39 | 101 | 360 | -16.06 | | |
| 6 | 480.08 QP | 37.04 | 52.10 | 46.00 | -8.96 | 101 | 360 | -9.77 | | |

- REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 - 2. Negative sign (-) in the margin column signify levels below the limit.
 - 3. Frequency range scanned: 30MHz to 1000MHz.
 - 4. Only emissions significantly above equipment noise floor are reported.



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| TEST VOLTAGE | DC 5V From Adapter Input 120 Vac, 50 Hz | FREQUENCY RANGE | 1-6 GHz | |
|--------------------------|--|-------------------------------------|---------------------|--|
| ENVIRONMENTAL CONDITIONS | 26deg. C, 61 %RH | DETECTOR FUNCTION & BANDWIDTH | Peak/Average, 1 MHz | |
| TESTED BY | Alex Chen | | | |

| | ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | | |
|-----|---|----------|--------|----------|--------|---------|----------|------------|--|--|
| | Freq. | Emission | Raw | Limit | Margin | Antenna | Table | Correction | | |
| No. | (MHz) | Level | Value | (dBuV/m) | (dB) | Height | Angle | Factor | | |
| | (IVITIZ) | (dBuV/m) | (dBuV) | | | (cm) | (Degree) | (dB/m) | | |
| 1 | 1595 AV | 35.85 | 48.37 | 54.00 | -18.15 | 100 | 326 | -13.38 | | |
| 2 | 1595 PK | 47.13 | 59.65 | 74.00 | -26.87 | 100 | 326 | -13.38 | | |
| 3 | 3686 AV | 36.64 | 41.54 | 54.00 | -17.36 | 100 | 57 | -5.22 | | |
| 4 | 3686 PK | 48.99 | 53.89 | 74.00 | -25.01 | 100 | 57 | -5.22 | | |
| 5 | 5896 AV | 45.57 | 42.06 | 54.00 | -8.43 | 100 | 158 | 4.29 | | |
| 6 | 5896 PK | 58.61 | 55.10 | 74.00 | -15.39 | 100 | 158 | 4.29 | | |

| | ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | | |
|-----|---|----------|--------|----------|--------|----------|--------|------------|--|--|
| | Freq. | Emission | Raw | Limit | Margin | Antenna | Table | Correction | | |
| No. | (MHz) | Level | Value | (dBuV/m) | (dB) | Height | Angle | Factor | | |
| | (1011 12) | (dBuV/m) | (dBuV) | (ub) | (cm) | (Degree) | (dB/m) | | | |
| 1 | 1731 AV | 32.88 | 44.22 | 54.00 | -21.12 | 200 | 162 | -11.78 | | |
| 2 | 1731 PK | 48.09 | 59.43 | 74.00 | -25.91 | 200 | 162 | -11.78 | | |
| 3 | 3193 AV | 35.54 | 41.46 | 54.00 | -18.46 | 200 | 234 | -6.08 | | |
| 4 | 3193 PK | 51.53 | 57.45 | 74.00 | -22.47 | 200 | 234 | -6.08 | | |
| 5 | 5845 AV | 45.41 | 42.29 | 54.00 | -8.59 | 200 | 78 | 3.85 | | |
| 6 | 5845 PK | 58.81 | 55.69 | 74.00 | -15.19 | 200 | 78 | 3.85 | | |

- **REMARKS:** 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 - 2. Negative sign (-) in the margin column signify levels below the limit.
 - 3. Frequency range scanned: 1GHz to 6GHz.
 - 4. Only emissions significantly above equipment noise floor are reported.

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3 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications were made to the EUT by the lab during the test.

---END---

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