



**FCC 47 CFR PART 15 SUBPART B
FCC 47 CFR PART 22 SUBPART H AND PART 24 SUBPART E
&
INDUSTRY CANADA RSS-132 & RSS-133
TEST REPORT**

for

2G,3G wireless module

MODEL: UL865-NAR, UL865-NAD

Test Report Number:
T130930W11-D

Issued for

TELIT COMMUNICATIONS S.P.A.

Via Stazione di Prosecco 5/b, 34010 SGONICO, TRIESTE - ITALY

Issued By:

Compliance Certification Services Inc.

Wugu Laboratory

No.11, Wugong 6th Rd., Wugu Dist.,
New Taipei City 24891, Taiwan. (R.O.C.)

TEL: 886-2-2299-9720

FAX: 886-2-2299-9721

E-Mail: service@ccsrf.com

Issued Date: October 14, 2013



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Revision History

| Rev. | Issue Date | Revisions | Effect Page | Revised By |
|------|------------------|---------------|-------------|------------|
| 00 | October 14, 2013 | Initial Issue | ALL | Rachel Wu |
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1 TEST RESULT CERTIFICATION

| | |
|----------------------|--|
| Product: | 2G,3G wireless module |
| Model: | UL865-NAR, UL865-NAD |
| Brand: | Telit |
| Applicant: | TELIT COMMUNICATIONS S.P.A. Via Stazione di Prosecco 5/b, 34010 SGONICO, TRIESTE - ITALY |
| Manufacturer: | TELIT COMMUNICATIONS S.P.A. Via Stazione di Prosecco 5/b, 34010 SGONICO, TRIESTE - ITALY |
| Tested: | October 10~11, 2013 |
| Test Voltage: | 120VAC, 60Hz |

| EMISSION | | | |
|---|------------------------|--------|--------------------|
| Standard | Item | Result | Remarks |
| FCC 47 CFR Part 15 Subpart B, ICES-003 Issue 5-2012 ANSI C63.4-2009 | Conducted (Power Port) | PASS | Meet Class B limit |
| | Radiated | PASS | Meet Class B limit |

Note: 1. The statements of test result on the above are decided by the request of test standard only; the measurement uncertainties are not factored into this compliance determination.
2. The information of measurement uncertainty is available upon the customer's request.

| Deviation from Applicable Standard |
|------------------------------------|
| None |

The above equipment has been tested by Compliance Certification Services Inc., and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved by:

Gary Wu
Section Manager

Reviewed by:

Angel Cheng
Section Manager



2 EUT DESCRIPTION

| | | | |
|--------------------------|-------------------------------------|---|---|
| Product | 2G,3G wireless module | | |
| Brand Name | Telit | | |
| Model | UL865-NAR, UL865-NAD | | |
| Model Discrepancy | Model | Difference on HW | Difference on FW |
| | UL865-NAR | Both products have the same PCB and the components. | Both product share the same FW with exception of the features related to Voice Calls that are disabled on the UL865-NAD |
| | UL865-NAD | | |
| Applicant | TELIT COMMUNICATIONS S.P.A. | | |
| Identify Number | T130930W11 | | |
| Received Date | September 30, 2013 | | |
| EUT Power Rating | Powered from Host device. (DC 3.8V) | | |

I/O Port

| I/O PORT TYPES | Q'TY | TESTED WITH |
|-----------------|------|-------------|
| 1). Single Port | 1 | 1 |
| 2). SIM Slot | 1 | 1 |



3 TEST METHODOLOGY

3.1. DECISION OF FINAL TEST MODE

1. The following test modes were scanned during the preliminary test:

| |
|-----------------------------------|
| Pre-Test Mode |
| Mode 1: GPRS 850 Mode |
| Mode 2: PCS 1900 Mode |
| Mode 3: WCDMA Band II Mode |
| Mode 4: WCDMA Band V Mode |
| Mode 5: Idle Mode |

2. After the preliminary scan, the following test mode was found to produce the highest emission level.

| | | |
|-----------------|--------------------|-------------------|
| Final Test Mode | | |
| Emission | Conducted Emission | Mode 1 ~ 5 |
| | Radiated Emission | Mode 1 ~ 5 |

Then, the above highest emission mode of the configuration of the EUT and cable was chosen for all final test items.

3.2. EUT SYSTEM OPERATION

1. Setup the EUT and simulators as shown on 4.2.
2. Turn on the power of all equipment.
3. Turn on the hyper terminal and enter the script.
4. The EUT will receive the RF signal source and sustain action.
5. Adjust to the test mode and begin to have the test.

Note: Test program is self-repeating throughout the test.



4 SETUP OF EQUIPMENT UNDER TEST

4.1. 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.

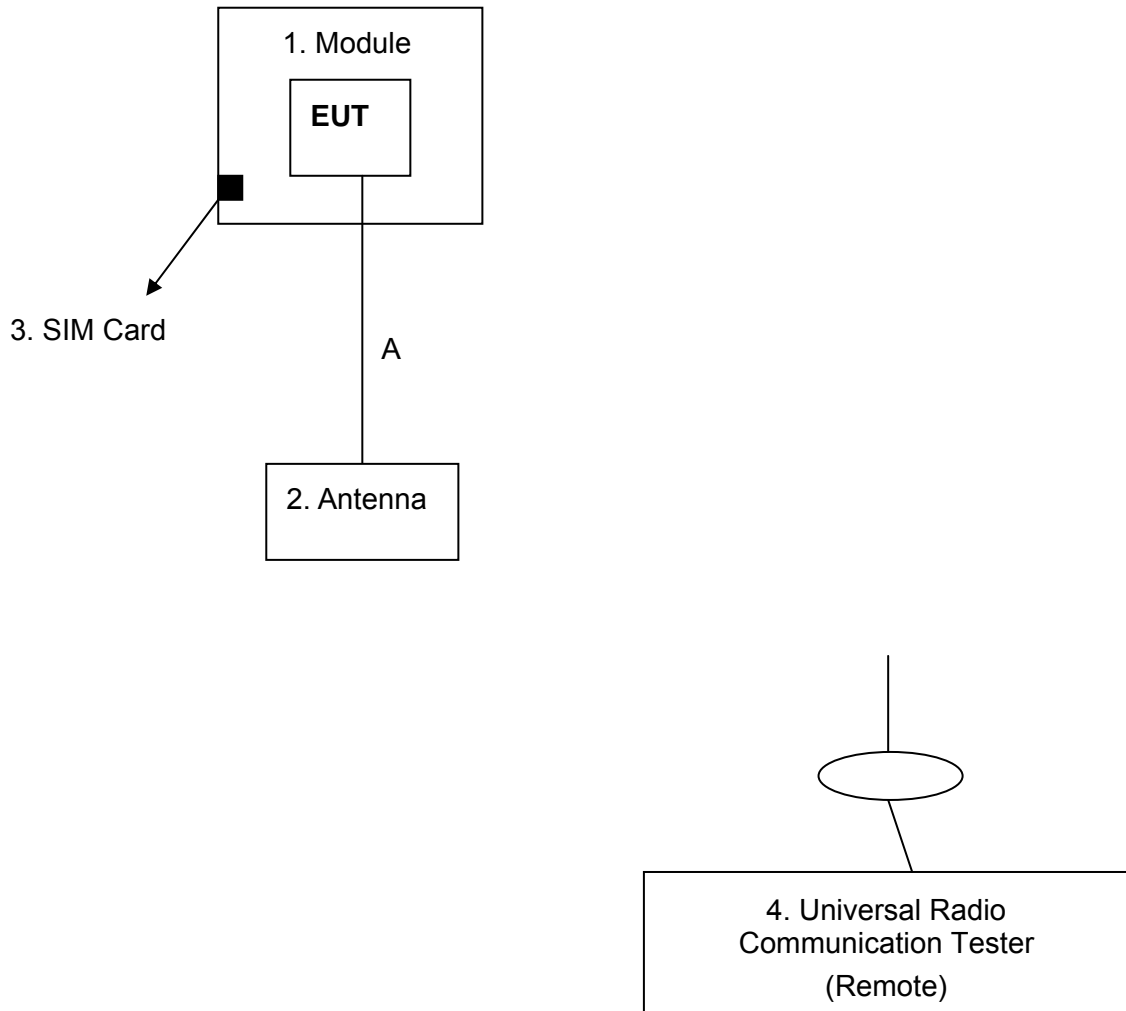
| No. | Equipment | Model No. | Serial No. | FCC ID | Trade Name | Power Cord |
|-----|---|-----------|------------|--------|------------|------------------|
| 1. | Module | N/A | N/A | N/A | AT4 | N/A |
| 2. | GSM Antenna | N/A | N/A | N/A | N/A | N/A |
| 3. | SIM Card | N/A | N/A | N/A | N/A | N/A |
| 4. | Universal Radio Communication Tester (Remote) | 8960 | MY48360990 | N/A | Agilent | Unshielded, 1.8m |

| No. | Cable Name | Unit | Shielded | Length | With Core |
|-----|---------------|------|--|--------|---|
| (A) | Antenna Cable | 1 | <input type="checkbox"/> Shielded, <input checked="" type="checkbox"/> Non | 1.8 m | <input type="checkbox"/> With Core, <input checked="" type="checkbox"/> Non |

Note: Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.



4.2. CONFIGURATION OF SYSTEM UNDER TEST





5 FACILITIES AND ACCREDITATIONS

5.1. FACILITIES

All measurement facilities used to collect the measurement data are located at:

- No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan. (R.O.C.)
- No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan (R.O.C.)
- No.81-1, Lane 210, Bade 2nd Rd., Lujhu Township, Taoyuan County 33841, TAIWAN, R.O.C.
- No.163-1, Jhongsheng Rd., Sindian City, Taipei County 23151, Taiwan.

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR 22. All receiving equipment conforms to CISPR 16-1-1, CISPR 16-1-2, CISPR 16-1-3, CISPR 16-1-4, CISPR 16-1-5.

5.2. ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

| | |
|---------------|----------------|
| Taiwan | TAF (TAF 1309) |
| USA | A2LA (0824.01) |

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

| | |
|---------------|---|
| Canada | Industry Canada (3M Semi Anechoic Chamber: IC 2324G-1 / IC 2324G-2 / 2324J-1 / 2324J-2 to perform) |
| Norway | Nemko |
| Japan | VCCI 966 Chamber C: Radiated emissions: 30 MHz -1000 MHz: R-3282 / Above 1GHz: G-146 10M Chamber: Radiated emissions: 30 MHz -1000 MHz: R-3283 / Above 1GHz: G-147 Conducted Emission B: C-3700 / T-1839 |
| USA | FCC (3M Semi Anechoic Chamber (FCC MRA: TW1039) to perform FCC Part 15 measurements) |

Copies of granted accreditation certificates are available for downloading from our web site, <http://www.ccsrf.com>



5.3. 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:

| Measurement | Frequency | Uncertainty |
|---------------------|-------------|-------------|
| Conducted emissions | 9kHz~30MHz | ±1.2575 dB |
| Radiated emissions | 30~200MHz | ±3.9163 dB |
| | 200~1000MHz | ±3.9030 dB |
| | Above 1GHz | ±2.5208 dB |

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

Consistent with industry standard (e.g. CISPR 22:2008, clause 11, Measurement Uncertainty) determining compliance with the limits shall be based on the results of the compliance measurement. Consequently the measured emissions being less than the maximum allowed emission result in this being a compliant test or passing test.

The acceptable measurement uncertainty value without requiring revision of the compliance statement is based on conducted and radiated emissions being less than U_{CISPR} which is 3.6dB and 5.2dB respectively. CCS values (called U_{Lab} in CISPR 16-4-2) is less than U_{CISPR} as shown in the table above. Therefore, MU need not be considered for compliance.



6 CONDUCTED EMISSION MEASUREMENT

6.1. LIMITS OF CONDUCTED EMISSION MEASUREMENT

| FREQUENCY (MHz) | Class A (dBuV) | | Class B (dBuV) | |
|-----------------|----------------|---------|----------------|---------|
| | Quasi-peak | Average | Quasi-peak | Average |
| 0.15 - 0.5 | 79 | 66 | 66 - 56 | 56 - 46 |
| 0.50 - 5.0 | 73 | 60 | 56 | 46 |
| 5.0 - 30.0 | 73 | 60 | 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 0.15 to 0.50 MHz.
- (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.

6.2. TEST INSTRUMENTS

| Conducted Emission Room # B | | | | |
|-----------------------------|--------------|--------------------|---------------|-----------------|
| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Due |
| EMI Test Receiver | R&S | ESCI | 101073 | 07/30/2014 |
| LISN | R&S | ENV216 | 101054 | 06/05/2014 |
| LISN | SCHWARZBECK | NSLK 8127 | 8127-541 | 12/10/2013 |
| ISN | FCC | FCC-TLISN-T2-02-09 | 100105 | 07/29/2014 |
| ISN | FCC | FCC-TLISN-T4-02 | 20395 | 05/30/2014 |
| ISN | FCC | FCC-TLISN-T8-02-09 | 100106 | 07/30/2014 |
| Capacitive Voltage Probe | FCC | F-CVP-1 | 100185 | 03/24/2014 |
| Test S/W | CCS-3A1-CE | | | |

Note:

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



6.3. TEST PROCEDURES (please refer to measurement standard or CCS SOP PA-031)

Procedure of Preliminary Test

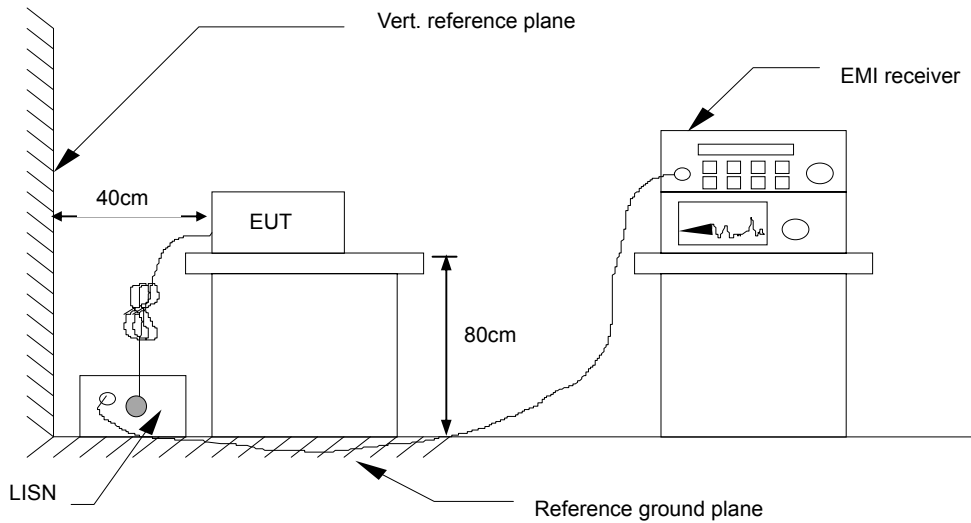
- The EUT and support equipment, if needed, were set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor standing equipment, it is placed on the ground plane, which has a 12 mm non-conductive covering to insulate the EUT from the ground plane.
- All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- The test equipment EUT installed by AC 120VAC/60Hz main power, through a Line Impedance Stabilization Network (LISN), which was supplied power source and was grounded to the ground plane.
- All support equipment power by from a second LISN.
- The test program of the EUT was started. Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.
- The Receiver scanned from 150kHz to 30MHz for emissions in each of the test modes.
- During the above scans, the emissions were maximized by cable manipulation.
- The test mode(s) described in Item 3.1 were scanned during the preliminary test.
- After the preliminary scan, we found the test mode described in Item 3.1 producing the highest emission level.
- The worst configuration of EUT and cable of the above highest emission level were recorded for reference of the final test.

Procedure of Final Test

- EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.
- A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.
- The test data of the worst-case condition(s) was recorded.



6.4. TEST SETUP



- For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

6.5. DATA SAMPLE:

| Frequency (MHz) | QuasiPeak reading (dBuV) | Average reading (dBuV) | Correction factor (dB) | QuasiPeak result (dBuV) | Average result (dBuV) | QuasiPeak. limit (dBuV) | Average limit (dBuV) | QuasiPeak margin (dB) | Average margin (dB) | Remark |
|-----------------|--------------------------|------------------------|------------------------|-------------------------|-----------------------|-------------------------|----------------------|-----------------------|---------------------|--------|
| x.xx | 43.95 | 33.00 | 10.00 | 53.95 | 43.00 | 56.00 | 46.00 | -2.05 | -3.00 | Pass |

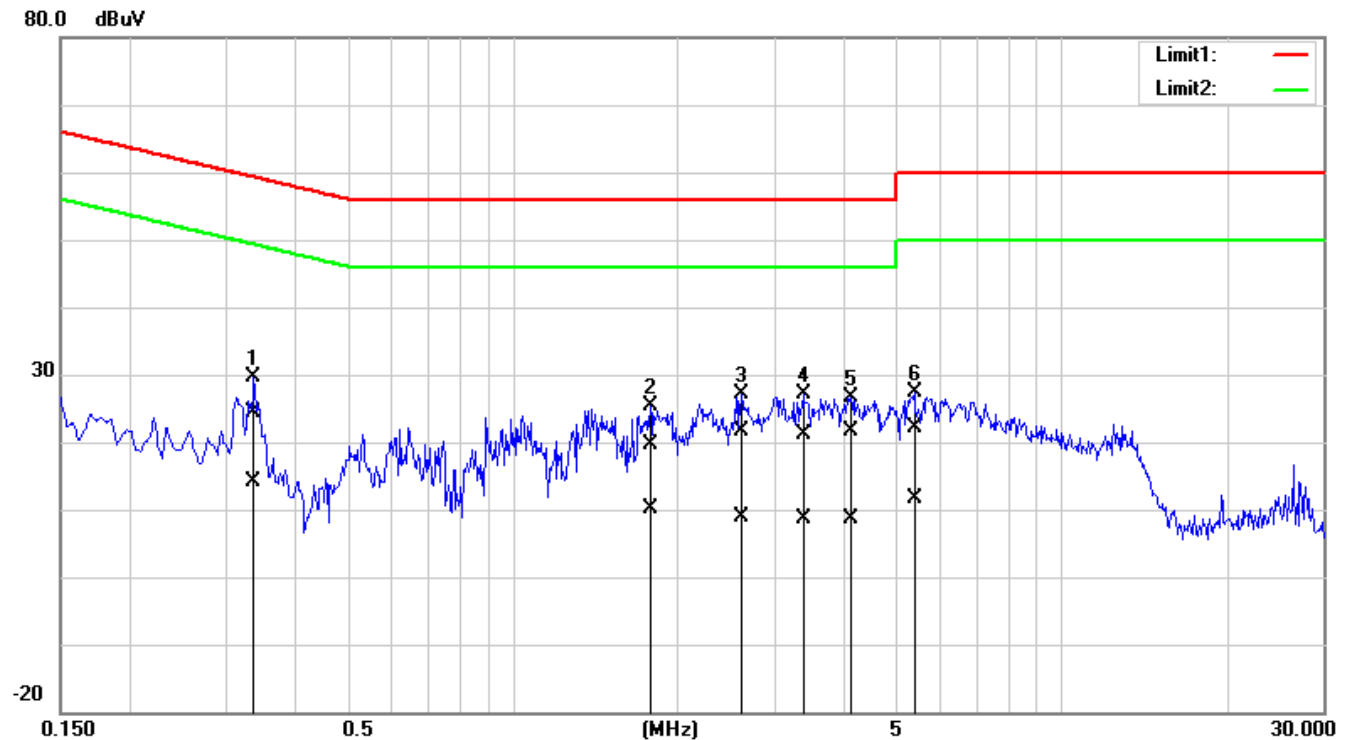
Frequency (MHz) = Emission frequency in MHz
 Reading (dBuV) = Uncorrected Analyzer/Receiver reading + Insertion loss of LISN, if it > 0.5 dB
 Correction Factor (dB) = LISN Factor + Cable Loss
 Result (dBuV) = Raw reading converted to dBuV and CF added
 Limit (dBuV) = Limit stated in standard
 Margin (dB) = Result (dBuV) – Limit (dBuV)



6.6. TEST RESULTS

CCS Conduction Test

| | | | |
|---------------------------------|--------------|------------------|------------|
| Model No. | BH-1105 | Test Date | 2013/10/18 |
| Environmental Conditions | 24°C, 50% RH | Test Mode | Mode 1 |
| Tested by | Moore Cheng | Line | L1 |



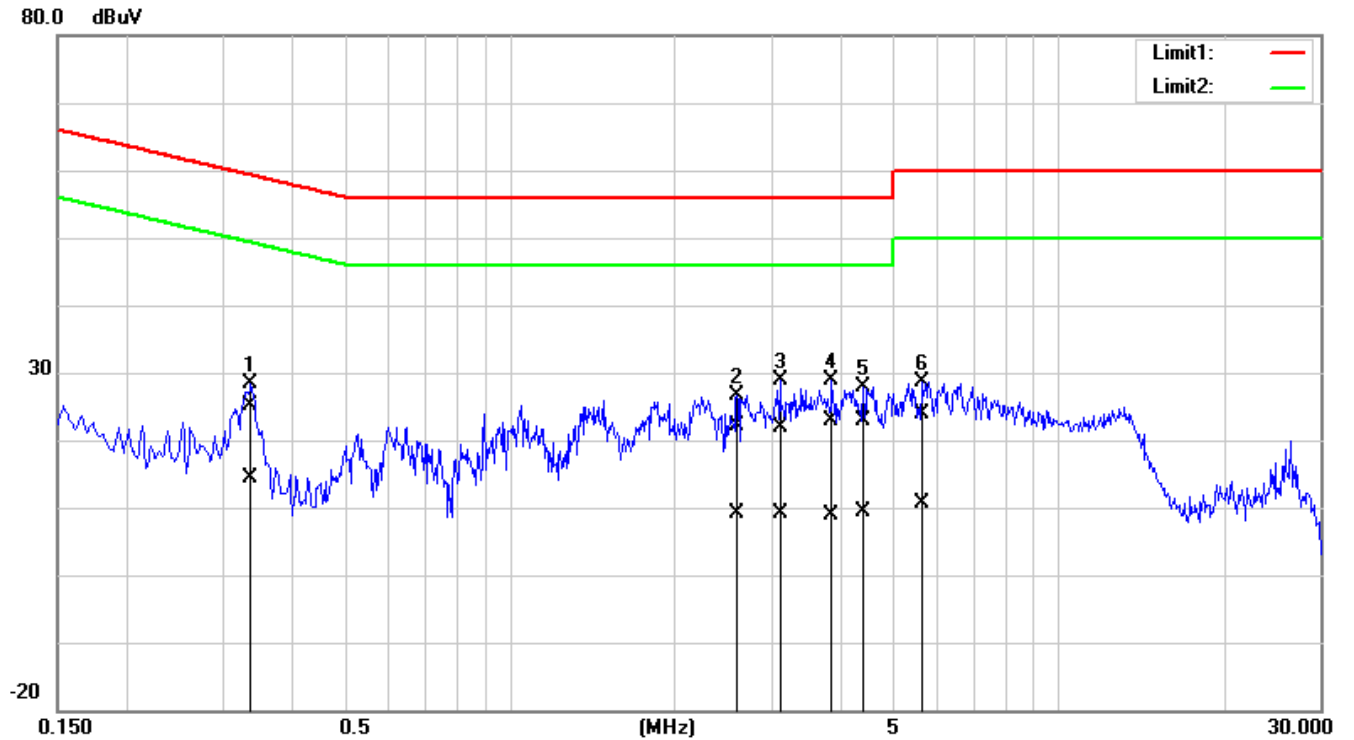
| NO. | Frequency (MHz) | QuasiPeak reading (dBuV) | Average reading (dBuV) | Correction factor (dB) | QuasiPeak result (dBuV) | Average result (dBuV) | QuasiPeak limit (dBuV) | Average limit (dBuV) | QuasiPeak margin (dB) | Average margin (dB) | Remark (Pass/Fail) |
|-----|-----------------|--------------------------|------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|---------------------|--------------------|
| 1 | 0.3379 | 24.00 | 13.60 | 0.48 | 24.48 | 14.08 | 59.25 | 49.25 | -34.77 | -35.17 | Pass |
| 2 | 1.7860 | 19.29 | 9.93 | 0.29 | 19.58 | 10.22 | 56.00 | 46.00 | -36.42 | -35.78 | Pass |
| 3* | 2.6220 | 21.37 | 8.64 | 0.31 | 21.68 | 8.95 | 56.00 | 46.00 | -34.32 | -37.05 | Pass |
| 4 | 3.3860 | 20.88 | 8.42 | 0.32 | 21.20 | 8.74 | 56.00 | 46.00 | -34.80 | -37.26 | Pass |
| 5 | 4.1460 | 21.27 | 8.23 | 0.33 | 21.60 | 8.56 | 56.00 | 46.00 | -34.40 | -37.44 | Pass |
| 6 | 5.3940 | 21.72 | 11.28 | 0.35 | 22.07 | 11.63 | 60.00 | 50.00 | -37.93 | -38.37 | Pass |

REMARKS: L1 = Line One (Live Line)



CCS Conduction Test

| | | | |
|---------------------------------|----------------|------------------|------------|
| Model No. | BH-1105 | Test Date | 2013/10/18 |
| Environmental Conditions | 25.6°C, 58% RH | Test Mode | Mode 1 |
| Tested by | Moore Cheng | Line | L2 |



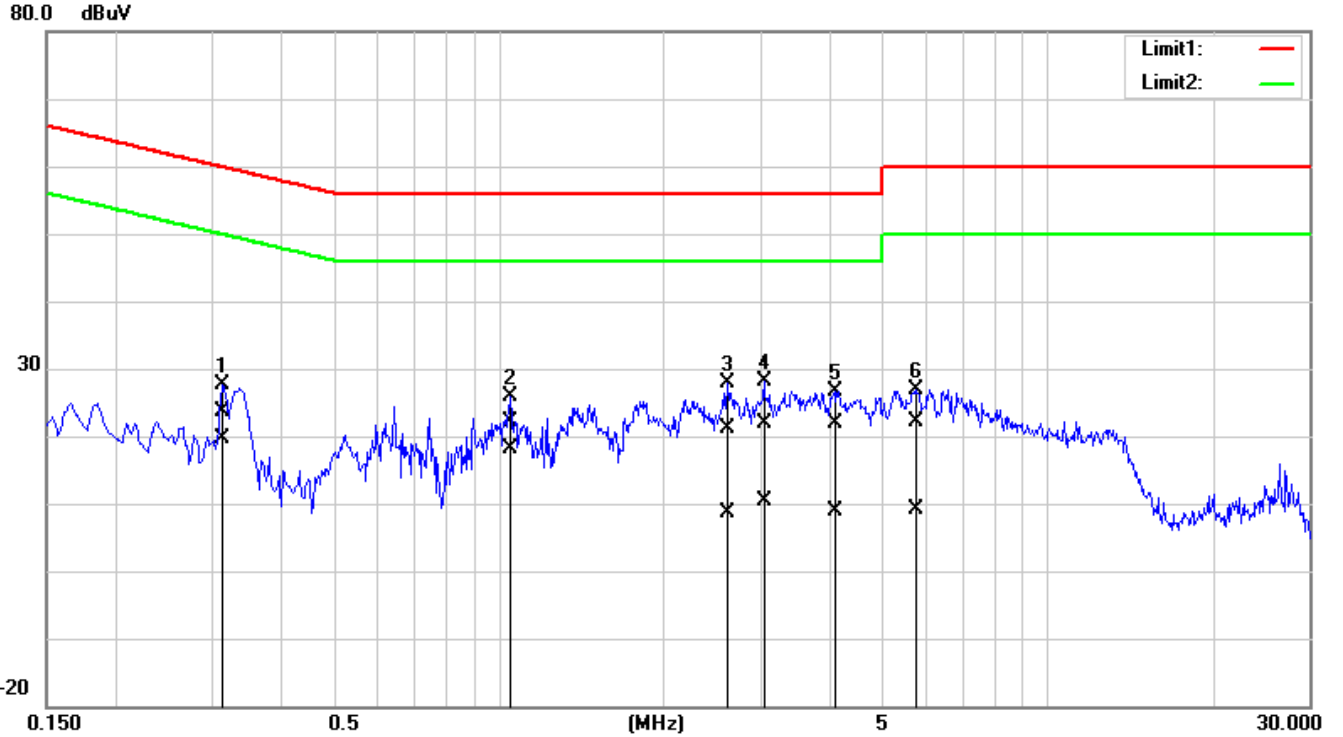
| NO. | Frequency (MHz) | QuasiPeak reading (dBuV) | Average reading (dBuV) | Correction factor (dB) | QuasiPeak result (dBuV) | Average result (dBuV) | QuasiPeak limit (dBuV) | Average limit (dBuV) | QuasiPeak margin (dB) | Average margin (dB) | Remark (Pass/Fail) |
|-----|-----------------|--------------------------|------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|---------------------|--------------------|
| 1 | 0.3379 | 24.96 | 14.28 | 0.17 | 25.13 | 14.45 | 59.25 | 49.25 | -34.12 | -34.80 | Pass |
| 2 | 2.6020 | 21.90 | 8.90 | 0.22 | 22.12 | 9.12 | 56.00 | 46.00 | -33.88 | -36.88 | Pass |
| 3 | 3.1220 | 21.57 | 8.98 | 0.23 | 21.80 | 9.21 | 56.00 | 46.00 | -34.20 | -36.79 | Pass |
| 4 | 3.8620 | 22.61 | 8.60 | 0.26 | 22.87 | 8.86 | 56.00 | 46.00 | -33.13 | -37.14 | Pass |
| 5* | 4.4300 | 22.62 | 9.17 | 0.28 | 22.90 | 9.45 | 56.00 | 46.00 | -33.10 | -36.55 | Pass |
| 6 | 5.6779 | 23.66 | 10.25 | 0.32 | 23.98 | 10.57 | 60.00 | 50.00 | -36.02 | -39.43 | Pass |

REMARKS: L2 = Line Two (Neutral Line)



CCS Conduction Test

| | | | |
|---------------------------------|--------------|------------------|------------|
| Model No. | BH-1105 | Test Date | 2013/10/18 |
| Environmental Conditions | 24°C, 50% RH | Test Mode | Mode 2 |
| Tested by | Moore Cheng | Line | L1 |



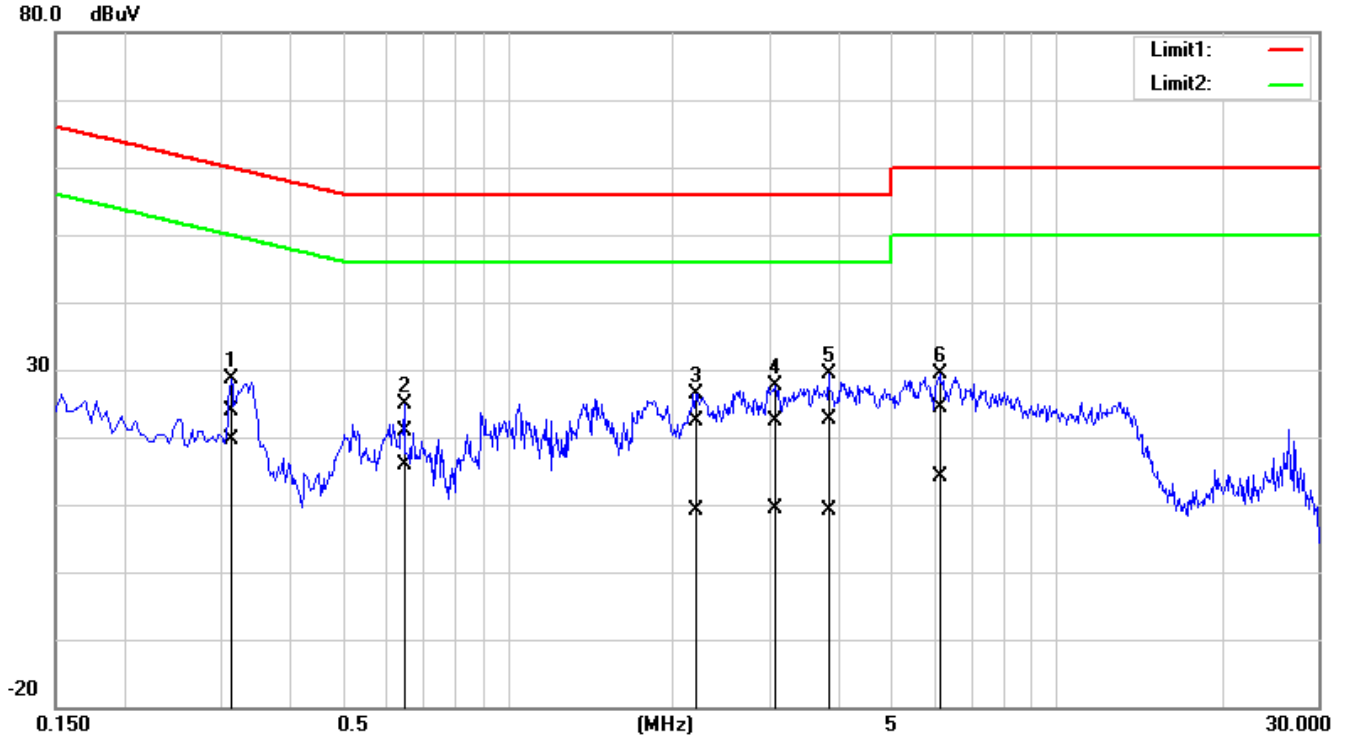
| NO. | Frequency (MHz) | QuasiPeak reading (dBuV) | Average reading (dBuV) | Correction factor (dB) | QuasiPeak result (dBuV) | Average result (dBuV) | QuasiPeak limit (dBuV) | Average limit (dBuV) | QuasiPeak margin (dB) | Average margin (dB) | Remark (Pass/Fail) |
|-----|-----------------|--------------------------|------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|---------------------|--------------------|
| 1 | 0.3140 | 23.15 | 19.00 | 0.53 | 23.68 | 19.53 | 59.86 | 49.86 | -36.18 | -30.33 | Pass |
| 2* | 1.0500 | 21.88 | 17.83 | 0.25 | 22.13 | 18.08 | 56.00 | 46.00 | -33.87 | -27.92 | Pass |
| 3 | 2.6140 | 20.92 | 8.40 | 0.31 | 21.23 | 8.71 | 56.00 | 46.00 | -34.77 | -37.29 | Pass |
| 4 | 3.0460 | 21.56 | 10.16 | 0.31 | 21.87 | 10.47 | 56.00 | 46.00 | -34.13 | -35.53 | Pass |
| 5 | 4.0939 | 21.52 | 8.44 | 0.33 | 21.85 | 8.77 | 56.00 | 46.00 | -34.15 | -37.23 | Pass |
| 6 | 5.7580 | 21.84 | 8.74 | 0.37 | 22.21 | 9.11 | 60.00 | 50.00 | -37.79 | -40.89 | Pass |

REMARKS: L1 = Line One (Live Line)



CCS Conduction Test

| | | | |
|---------------------------------|----------------|------------------|------------|
| Model No. | BH-1105 | Test Date | 2013/10/18 |
| Environmental Conditions | 25.6°C, 58% RH | Test Mode | Mode 2 |
| Tested by | Moore Cheng | Line | L2 |



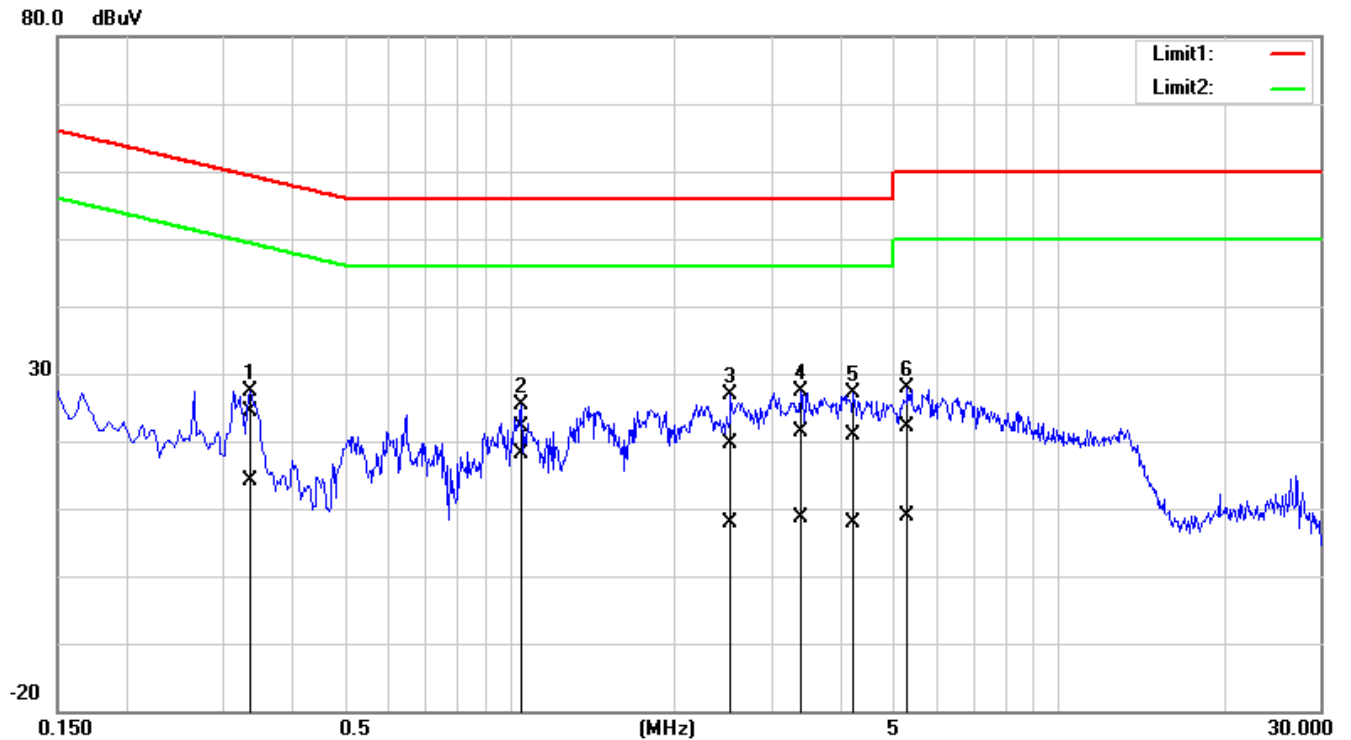
| NO. | Frequency (MHz) | QuasiPeak reading (dBuV) | Average reading (dBuV) | Correction factor (dB) | QuasiPeak result (dBuV) | Average result (dBuV) | QuasiPeak limit (dBuV) | Average limit (dBuV) | QuasiPeak margin (dB) | Average margin (dB) | Remark (Pass/Fail) |
|-----|-----------------|--------------------------|------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|---------------------|--------------------|
| 1 | 0.3140 | 23.64 | 19.35 | 0.17 | 23.81 | 19.52 | 59.86 | 49.86 | -36.05 | -30.34 | Pass |
| 2* | 0.6500 | 20.80 | 15.61 | 0.17 | 20.97 | 15.78 | 56.00 | 46.00 | -35.03 | -30.22 | Pass |
| 3 | 2.2020 | 22.06 | 8.96 | 0.20 | 22.26 | 9.16 | 56.00 | 46.00 | -33.74 | -36.84 | Pass |
| 4 | 3.0820 | 22.09 | 9.21 | 0.23 | 22.32 | 9.44 | 56.00 | 46.00 | -33.68 | -36.56 | Pass |
| 5 | 3.8420 | 22.33 | 8.85 | 0.26 | 22.59 | 9.11 | 56.00 | 46.00 | -33.41 | -36.89 | Pass |
| 6 | 6.1460 | 23.94 | 13.70 | 0.32 | 24.26 | 14.02 | 60.00 | 50.00 | -35.74 | -35.98 | Pass |

REMARKS: L2 = Line Two (Neutral Line)



CCS Conduction Test

| | | | |
|---------------------------------|--------------|------------------|------------|
| Model No. | BH-1105 | Test Date | 2013/10/18 |
| Environmental Conditions | 24°C, 50% RH | Test Mode | Mode 3 |
| Tested by | Moore Cheng | Line | L1 |



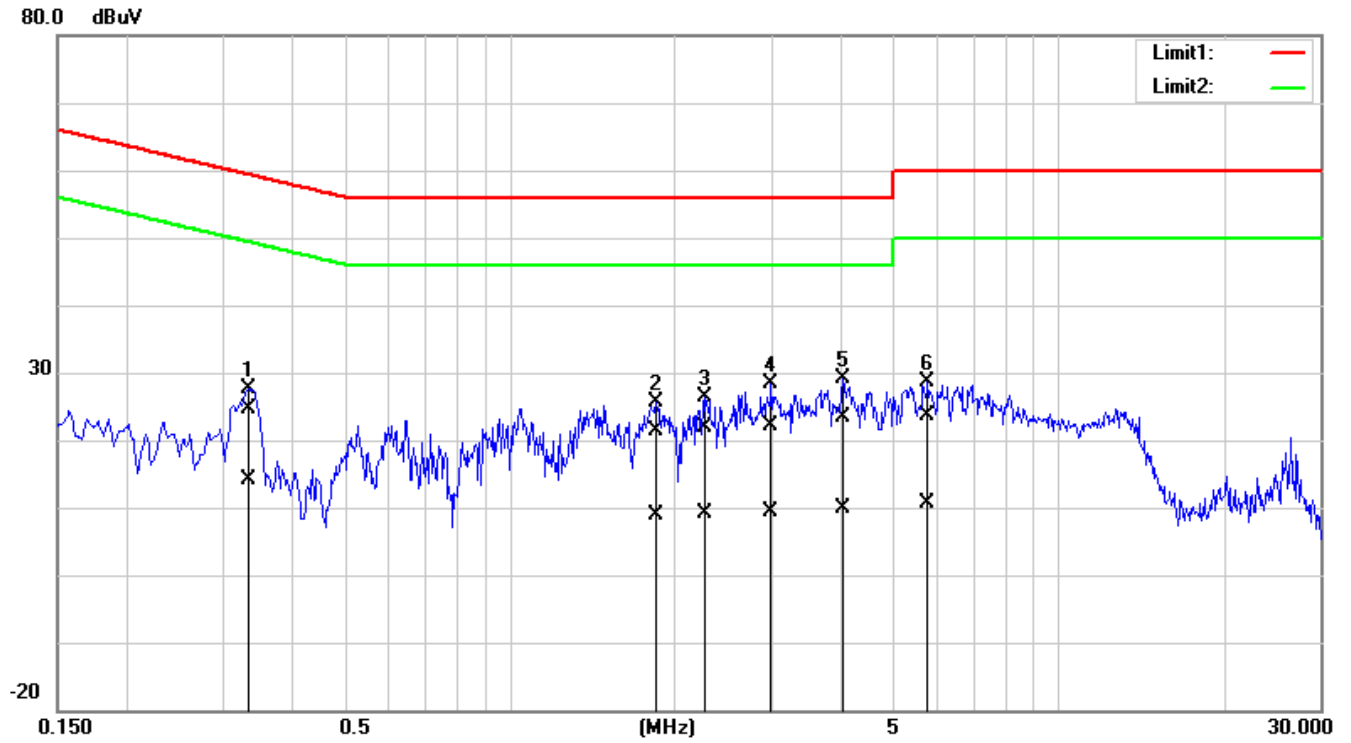
| NO. | Frequency (MHz) | QuasiPeak reading (dBuV) | Average reading (dBuV) | Correction factor (dB) | QuasiPeak result (dBuV) | Average result (dBuV) | QuasiPeak limit (dBuV) | Average limit (dBuV) | QuasiPeak margin (dB) | Average margin (dB) | Remark (Pass/Fail) |
|-----|-----------------|--------------------------|------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|---------------------|--------------------|
| 1 | 0.3379 | 23.98 | 13.62 | 0.48 | 24.46 | 14.10 | 59.25 | 49.25 | -34.79 | -35.15 | Pass |
| 2* | 1.0500 | 21.81 | 17.80 | 0.25 | 22.06 | 18.05 | 56.00 | 46.00 | -33.94 | -27.95 | Pass |
| 3 | 2.5340 | 19.43 | 7.46 | 0.31 | 19.74 | 7.77 | 56.00 | 46.00 | -36.26 | -38.23 | Pass |
| 4 | 3.4020 | 21.07 | 8.28 | 0.32 | 21.39 | 8.60 | 56.00 | 46.00 | -34.61 | -37.40 | Pass |
| 5 | 4.2340 | 20.62 | 7.57 | 0.33 | 20.95 | 7.90 | 56.00 | 46.00 | -35.05 | -38.10 | Pass |
| 6 | 5.3300 | 21.77 | 8.62 | 0.35 | 22.12 | 8.97 | 60.00 | 50.00 | -37.88 | -41.03 | Pass |

REMARKS: L1 = Line One (Live Line)



CCS Conduction Test

| | | | |
|---------------------------------|----------------|------------------|------------|
| Model No. | BH-1105 | Test Date | 2013/10/18 |
| Environmental Conditions | 25.6°C, 58% RH | Test Mode | Mode 3 |
| Tested by | Moore Cheng | Line | L2 |



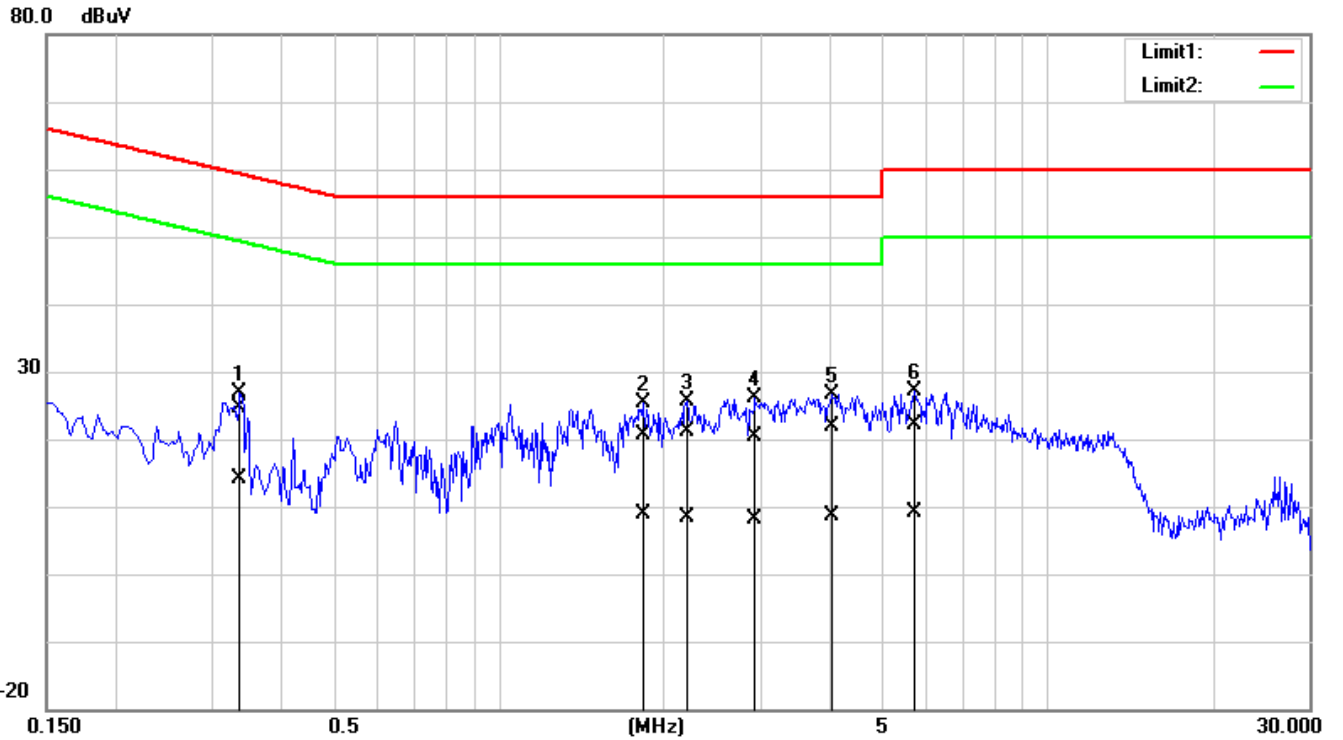
| NO. | Frequency (MHz) | QuasiPeak reading (dBuV) | Average reading (dBuV) | Correction factor (dB) | QuasiPeak result (dBuV) | Average result (dBuV) | QuasiPeak limit (dBuV) | Average limit (dBuV) | QuasiPeak margin (dB) | Average margin (dB) | Remark (Pass/Fail) |
|-----|-----------------|--------------------------|------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|---------------------|--------------------|
| 1 | 0.3339 | 24.54 | 13.94 | 0.17 | 24.71 | 14.11 | 59.35 | 49.35 | -34.64 | -35.24 | Pass |
| 2 | 1.8500 | 21.10 | 8.59 | 0.20 | 21.30 | 8.79 | 56.00 | 46.00 | -34.70 | -37.21 | Pass |
| 3 | 2.2620 | 21.60 | 8.83 | 0.21 | 21.81 | 9.04 | 56.00 | 46.00 | -34.19 | -36.96 | Pass |
| 4 | 3.0020 | 22.01 | 9.11 | 0.23 | 22.24 | 9.34 | 56.00 | 46.00 | -33.76 | -36.66 | Pass |
| 5* | 4.0580 | 23.18 | 9.54 | 0.26 | 23.44 | 9.80 | 56.00 | 46.00 | -32.56 | -36.20 | Pass |
| 6 | 5.7819 | 23.42 | 10.19 | 0.32 | 23.74 | 10.51 | 60.00 | 50.00 | -36.26 | -39.49 | Pass |

REMARKS: L2 = Line Two (Neutral Line)



CCS Conduction Test

| | | | |
|---------------------------------|--------------|------------------|------------|
| Model No. | BH-1105 | Test Date | 2013/10/18 |
| Environmental Conditions | 24°C, 50% RH | Test Mode | Mode 4 |
| Tested by | Moore Cheng | Line | L1 |



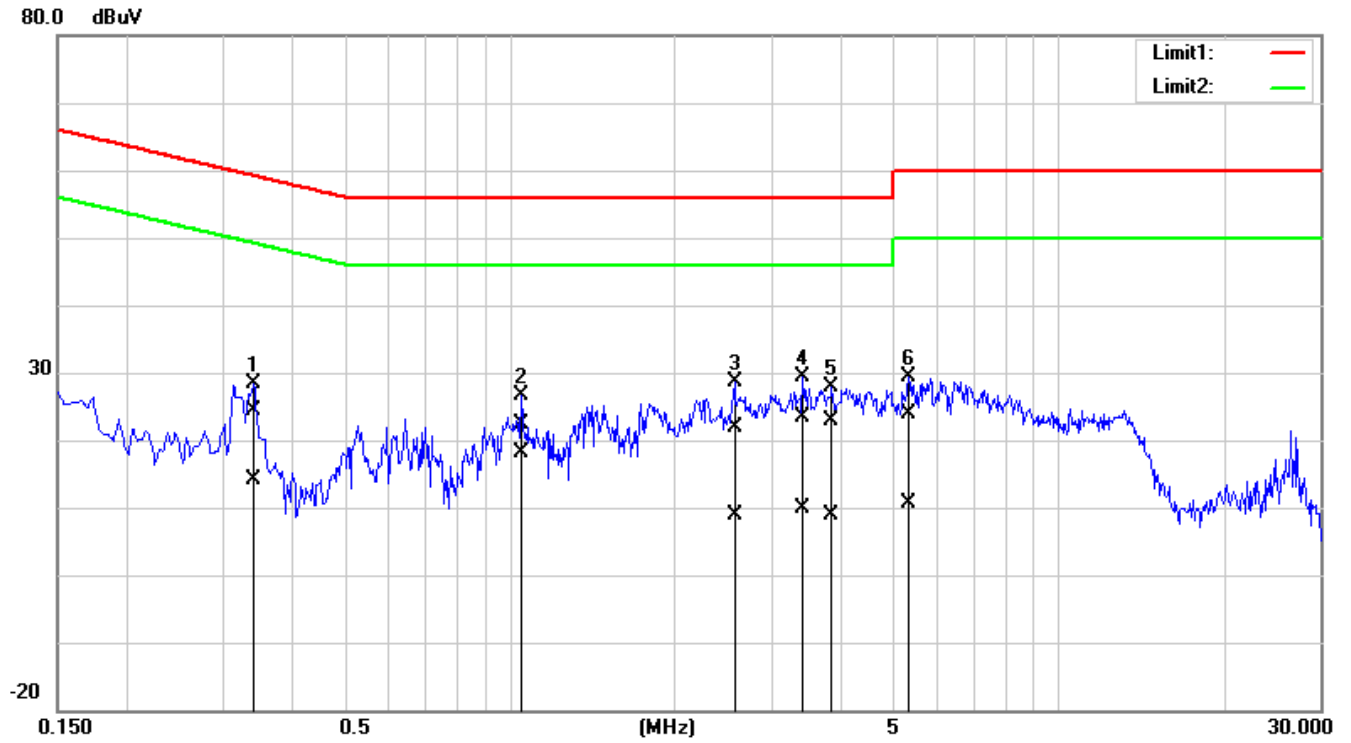
| NO. | Frequency (MHz) | QuasiPeak reading (dBuV) | Average reading (dBuV) | Correction factor (dB) | QuasiPeak result (dBuV) | Average result (dBuV) | QuasiPeak limit (dBuV) | Average limit (dBuV) | QuasiPeak margin (dB) | Average margin (dB) | Remark (Pass/Fail) |
|-----|-----------------|--------------------------|------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|---------------------|--------------------|
| 1 | 0.3379 | 24.04 | 13.70 | 0.48 | 24.52 | 14.18 | 59.25 | 49.25 | -34.73 | -35.07 | Pass |
| 2 | 1.8300 | 20.22 | 8.52 | 0.29 | 20.51 | 8.81 | 56.00 | 46.00 | -35.49 | -37.19 | Pass |
| 3 | 2.2100 | 20.81 | 8.13 | 0.30 | 21.11 | 8.43 | 56.00 | 46.00 | -34.89 | -37.57 | Pass |
| 4 | 2.9420 | 20.09 | 7.89 | 0.32 | 20.41 | 8.21 | 56.00 | 46.00 | -35.59 | -37.79 | Pass |
| 5* | 4.0660 | 21.55 | 8.31 | 0.33 | 21.88 | 8.64 | 56.00 | 46.00 | -34.12 | -37.36 | Pass |
| 6 | 5.7260 | 21.88 | 8.74 | 0.37 | 22.25 | 9.11 | 60.00 | 50.00 | -37.75 | -40.89 | Pass |

REMARKS: L1 = Line One (Live Line)



CCS Conduction Test

| | | | |
|---------------------------------|----------------|------------------|------------|
| Model No. | BH-1105 | Test Date | 2013/10/18 |
| Environmental Conditions | 25.6°C, 58% RH | Test Mode | Mode 4 |
| Tested by | Moore Cheng | Line | L2 |



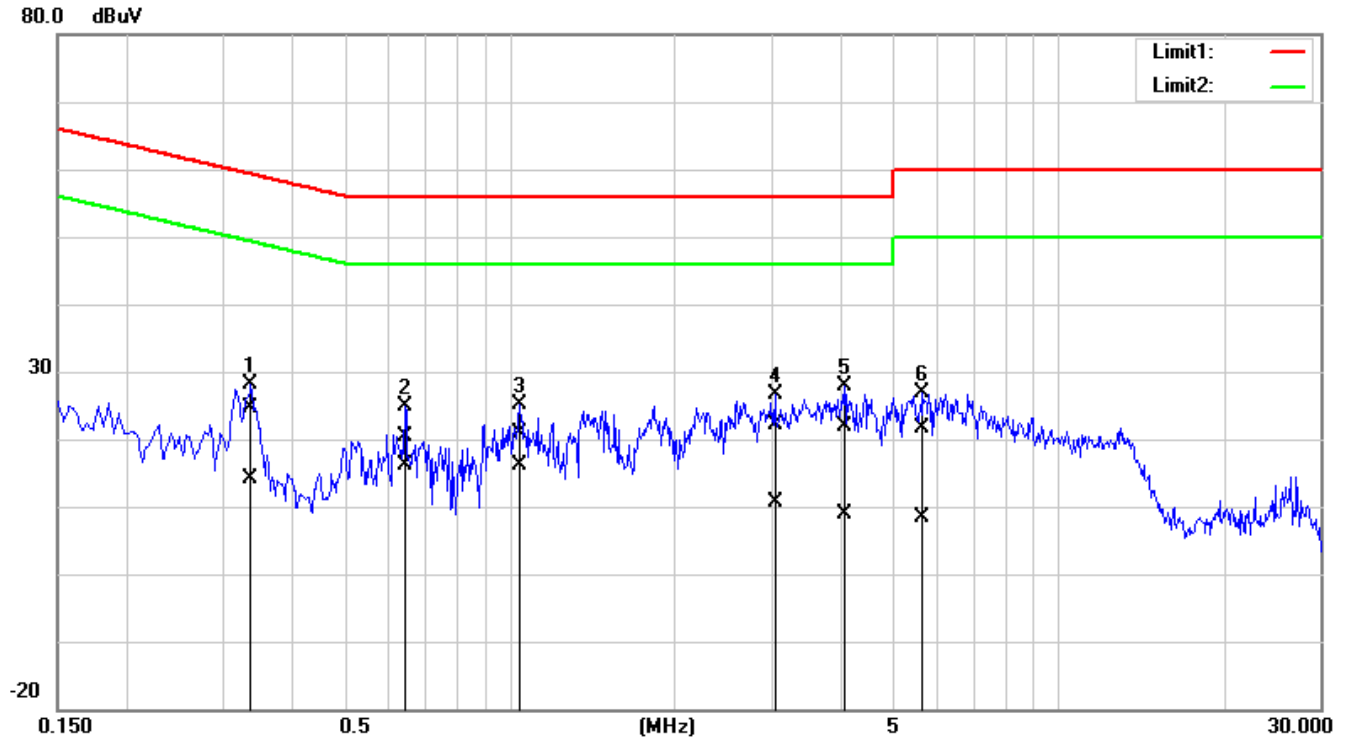
| NO. | Frequency (MHz) | QuasiPeak reading (dBuV) | Average reading (dBuV) | Correction factor (dB) | QuasiPeak result (dBuV) | Average result (dBuV) | QuasiPeak limit (dBuV) | Average limit (dBuV) | QuasiPeak margin (dB) | Average margin (dB) | Remark (Pass/Fail) |
|-----|-----------------|--------------------------|------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|---------------------|--------------------|
| 1 | 0.3420 | 24.30 | 13.98 | 0.17 | 24.47 | 14.15 | 59.15 | 49.15 | -34.68 | -35.00 | Pass |
| 2* | 1.0500 | 22.23 | 17.96 | 0.17 | 22.40 | 18.13 | 56.00 | 46.00 | -33.60 | -27.87 | Pass |
| 3 | 2.5780 | 21.68 | 8.65 | 0.22 | 21.90 | 8.87 | 56.00 | 46.00 | -34.10 | -37.13 | Pass |
| 4 | 3.4300 | 23.18 | 9.74 | 0.24 | 23.42 | 9.98 | 56.00 | 46.00 | -32.58 | -36.02 | Pass |
| 5 | 3.8660 | 22.53 | 8.72 | 0.26 | 22.79 | 8.98 | 56.00 | 46.00 | -33.21 | -37.02 | Pass |
| 6 | 5.3460 | 23.70 | 10.29 | 0.30 | 24.00 | 10.59 | 60.00 | 50.00 | -36.00 | -39.41 | Pass |

REMARKS: L2 = Line Two (Neutral Line)



CCS Conduction Test

| | | | |
|---------------------------------|--------------|------------------|------------|
| Model No. | BH-1105 | Test Date | 2013/10/18 |
| Environmental Conditions | 24°C, 50% RH | Test Mode | Mode 5 |
| Tested by | Moore Cheng | Line | L1 |



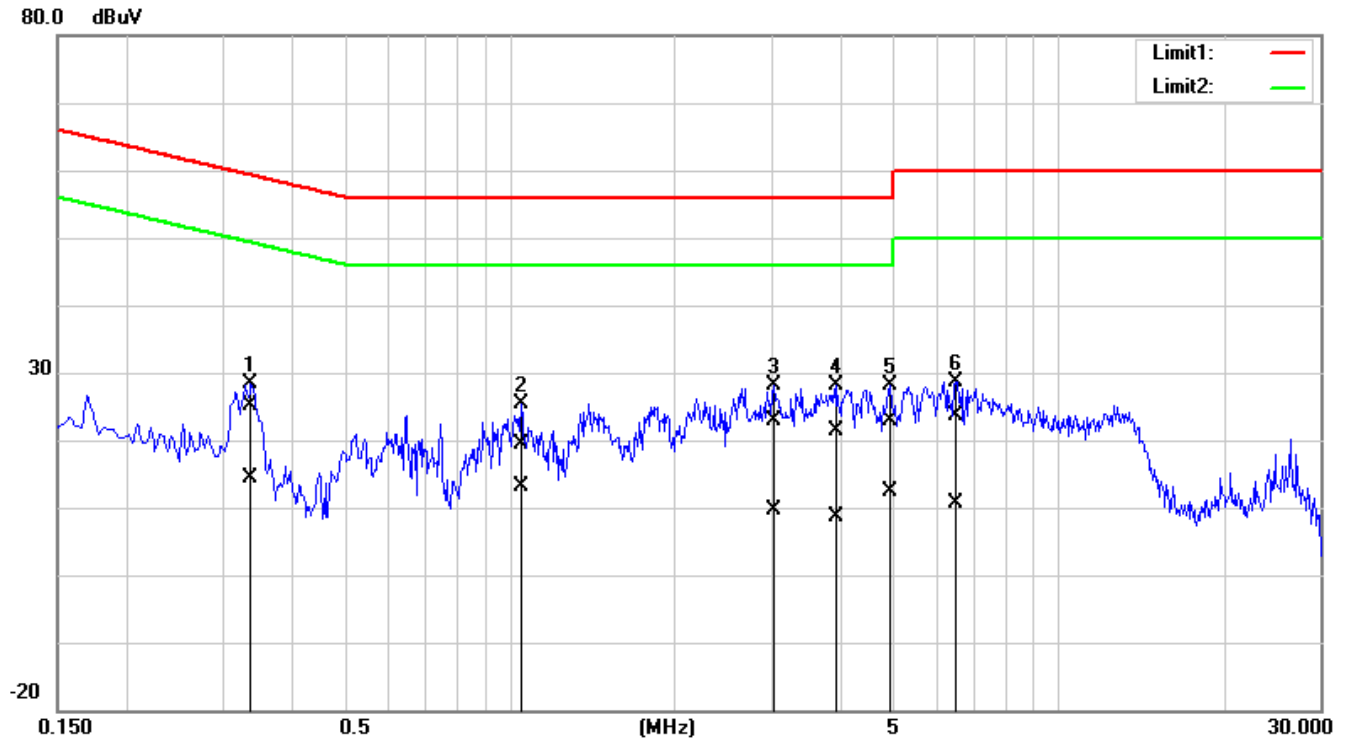
| NO. | Frequency (MHz) | QuasiPeak reading (dBuV) | Average reading (dBuV) | Correction factor (dB) | QuasiPeak result (dBuV) | Average result (dBuV) | QuasiPeak limit (dBuV) | Average limit (dBuV) | QuasiPeak margin (dB) | Average margin (dB) | Remark (Pass/Fail) |
|-----|-----------------|--------------------------|------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|---------------------|--------------------|
| 1 | 0.3379 | 24.04 | 13.61 | 0.48 | 24.52 | 14.09 | 59.25 | 49.25 | -34.73 | -35.16 | Pass |
| 2* | 0.6460 | 20.07 | 15.94 | 0.31 | 20.38 | 16.25 | 56.00 | 46.00 | -35.62 | -29.75 | Pass |
| 3 | 1.0460 | 20.53 | 15.96 | 0.25 | 20.78 | 16.21 | 56.00 | 46.00 | -35.22 | -29.79 | Pass |
| 4 | 3.0460 | 21.70 | 10.20 | 0.31 | 22.01 | 10.51 | 56.00 | 46.00 | -33.99 | -35.49 | Pass |
| 5 | 4.0900 | 21.60 | 8.66 | 0.33 | 21.93 | 8.99 | 56.00 | 46.00 | -34.07 | -37.01 | Pass |
| 6 | 5.6700 | 21.27 | 8.06 | 0.36 | 21.63 | 8.42 | 60.00 | 50.00 | -38.37 | -41.58 | Pass |

REMARKS: L1 = Line One (Live Line)



CCS Conduction Test

| | | | |
|---------------------------------|----------------|------------------|------------|
| Model No. | BH-1105 | Test Date | 2013/10/18 |
| Environmental Conditions | 25.6°C, 58% RH | Test Mode | Mode 5 |
| Tested by | Moore Cheng | Line | L2 |



| NO. | Frequency (MHz) | QuasiPeak reading (dBuV) | Average reading (dBuV) | Correction factor (dB) | QuasiPeak result (dBuV) | Average result (dBuV) | QuasiPeak limit (dBuV) | Average limit (dBuV) | QuasiPeak margin (dB) | Average margin (dB) | Remark (Pass/Fail) |
|-----|-----------------|--------------------------|------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|---------------------|--------------------|
| 1 | 0.3379 | 25.00 | 14.30 | 0.17 | 25.17 | 14.47 | 59.25 | 49.25 | -34.08 | -34.78 | Pass |
| 2* | 1.0540 | 19.20 | 12.90 | 0.17 | 19.37 | 13.07 | 56.00 | 46.00 | -36.63 | -32.93 | Pass |
| 3 | 3.0380 | 22.58 | 9.36 | 0.23 | 22.81 | 9.59 | 56.00 | 46.00 | -33.19 | -36.41 | Pass |
| 4 | 3.9580 | 21.17 | 8.31 | 0.26 | 21.43 | 8.57 | 56.00 | 46.00 | -34.57 | -37.43 | Pass |
| 5 | 4.9460 | 22.48 | 12.10 | 0.28 | 22.76 | 12.38 | 56.00 | 46.00 | -33.24 | -33.62 | Pass |
| 6 | 6.5060 | 23.36 | 10.39 | 0.33 | 23.69 | 10.72 | 60.00 | 50.00 | -36.31 | -39.28 | Pass |

REMARKS: L2 = Line Two (Neutral Line)



7 RADIATED EMISSION MEASUREMENT

7.1. LIMITS OF RADIATED EMISSION MEASUREMENT

According to FCC Part 15.33 (b), for an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

| | |
|--|--|
| Highest frequency generated or used in the device or on which the device operates or tunes (MHz) | Upper frequency of measurement range (MHz) |
| Below 1.75 | 30 |
| 1.75-108 | 1000 |
| 108-500 | 2000 |
| 500-1000 | 5000 |
| Above 1000 | 5 th harmonic of the highest frequency or 40GHz, whichever is lower |

Below 1GHz (for digital device)

| FREQUENCY (MHz) | dBuV/m (At 10m) | |
|-----------------|-----------------|---------|
| | Class A | Class B |
| 30 ~ 230 | 40 | 30 |
| 230 ~ 1000 | 47 | 37 |

Limit tables for non-digital device:

Class A Radiated Emission limit at 10m (for others)

| Frequency (MHZ) | Field Strength Limit (uV/m)Q.P. | Field Strength Limit (dBuV/m)Q.P. |
|-----------------|---------------------------------|-----------------------------------|
| 30 - 88 | 90 | 39 |
| 88 - 216 | 150 | 43.5 |
| 216 – 960 | 210 | 46.4 |
| Above 960 | 300 | 49.5 |

Class B Radiated Emission limit at 3m (for others)

| Frequency (MHZ) | Field Strength Limit (uV/m)Q.P. | Field Strength Limit (dBuV/m)Q.P. |
|-----------------|---------------------------------|-----------------------------------|
| 30 - 88 | 100 | 40 |
| 88 - 216 | 150 | 43.5 |
| 216 – 960 | 200 | 46 |
| Above 960 | 500 | 54 |



Above 1GHz (for all device)

| Frequency (MHZ) | Class A (dBuV/m) (At 10m) | | Class B (dBuV/m) (At 3m) | |
|-----------------|---------------------------|------|--------------------------|------|
| | Average | Peak | Average | Peak |
| Above 1000 | 49.5 | 69.5 | 54 | 74 |

NOTE: (1) The lower limit shall apply at the transition frequencies.
(2) Emission level (dBuV/m) = 20 log Emission level (uV/m).
(3) The measurement above 1GHz is at close-in distances 3m, and determine the limit **L2** corresponding to the close-in distance **d2** by applying the following relation: **L2 = L1 (d1/d2)**, where **L1** is the specified limit in microvolts per metre (**uV/m**) at the distance **d1 (10m)**, **L2** is the new limit for distance **d2 (3m)**.
So the new Class A limit above 1GHz at 3m is as following table:

| Frequency (MHZ) | Class A (dBuV/m) (At 3m) | |
|-----------------|--------------------------|------|
| | Average | Peak |
| Above 1000 | 60 | 80 |



7.2. TEST INSTRUMENTS

| Wugu 10M Chamber | | | | |
|-------------------|--------------------|---------------------|---------------|-----------------|
| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Due |
| Spectrum Analyzer | Agilent | E4446A | MY48250297 | 10/03/2014 |
| EMI Test Receiver | R&S | ESCI | 100961 | 09/01/2014 |
| EMI Test Receiver | R&S | ESCI | 100962 | 09/01/2014 |
| Pre-Amplifier | HP | 8447D | 2944A07754 | 06/05/2014 |
| Pre-Amplifier | HP | 8447D | 2944A08150 | 06/05/2014 |
| Pre-Amplifier | EMC | EMC012645 | 980056 | 05/09/2014 |
| Pre-Amplifier | MITEQ | AMF-6F-260400-40-8P | 985646 | 08/05/2014 |
| Bilog Antenna | TESEQ | CBL 6112D | 31674 | 09/30/2014 |
| Bilog Antenna | TESEQ | CBL6112D | 31675 | 09/30/2014 |
| Horn Antenna | EMCO | 3117 | 55167 | 01/08/2014 |
| Horn Antenna | EMCO | 3116 | 26370 | 01/07/2014 |
| Coaxial Cable | Huber+Suhner | 104PEA | 33948/4PEA | 05/09/2014 |
| Coaxial Cable | Huber+Suhner | 104PEA | 33949/4PEA | 05/09/2014 |
| Coaxial Cable | Huber+Suhner | 104 | 330026/4 | 05/09/2014 |
| Coaxial Cable | Huber+Suhner | 104 | 330029/4 | 05/09/2014 |
| Coaxial Cable | Huber+Suhner | 104 | 329382/4 | 05/09/2014 |
| Coaxial Cable | Huber+Suhner | 104 | 330028/4 | 05/09/2014 |
| Turn Table | CCS | CC-T-1F | N/A | N.C.R |
| Antenna Tower | CCS | CC-A-1F | N/A | N.C.R |
| Controller | CCS | CC-C-1F | N/A | N.C.R |
| Antenna Tower | Sunol Sciences | TLT2 | 031010-5 | N.C.R. |
| Controller | Sunol Sciences | SC104V | 031010-1 | N.C.R. |
| Site NSA | CCS | N/A | N/A | 11/04/2013 |
| Site VSWR | CCS | N/A | N/A | 12/02/2013 |
| Test S/W | EZ-EMC (CCS-3A1RE) | | | |

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. N.C.R = No Calibration Request.



7.3. TEST PROCEDURES (please refer to measurement standard or CCS SOP PA-031)

The basic test procedure was in accordance with ANSI C63.4-2009 and ICES-003: 2004.

Frequency range 30MHz ~ 1GHz

1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meter semi-anechoic chamber room. The table was rotated 360 degrees to determine the position.
2. The EUT was set 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The height of antenna is varied from one meter to four meter 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.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was turned to heights for 1 meter to 4 meters and the turn table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1GHz.

NOTE: The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.

Frequency range above 1GHz

1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber room. The table was rotated 360 degrees to determine the position.
2. The EUT was set 3 meters away from the directional antenna, which was pointed towards the source of the emission within the EUT. This could be done by either pointing the antenna at an angle towards the source of the emission, or by rotating the EUT, in both height and polarization, to maximize the measured emission.
3. The height of antenna can be varied from one meter to four meters, the height of adjustment depends on the EUT height and the antenna 3 dB beamwidth both, to detect the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was turned to heights and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.

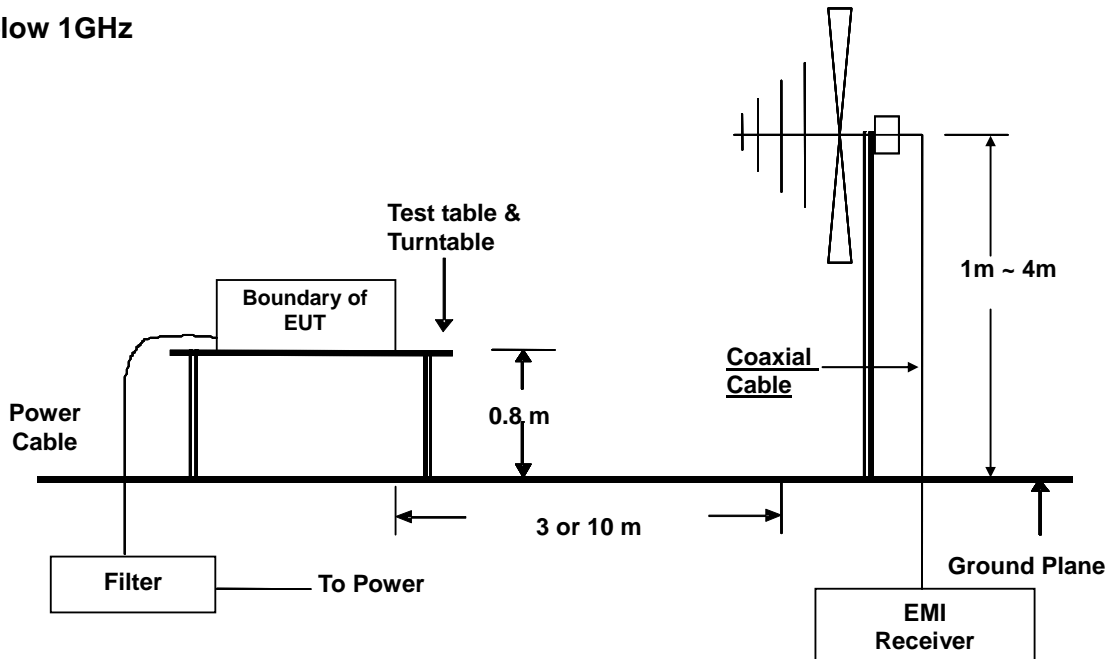
NOTE:

1. The resolution bandwidth is 1MHz and video bandwidth of test spectrum analyzer is 1 MHz for peak detection at above 1GHz. The resolution bandwidth is 1MHz and video bandwidth of test spectrum analyzer is 100Hz for average detection at frequency above 1 GHz.
2. For measurement of frequency above 1GHz, the EUT was set 3 meters away from the directional antenna.

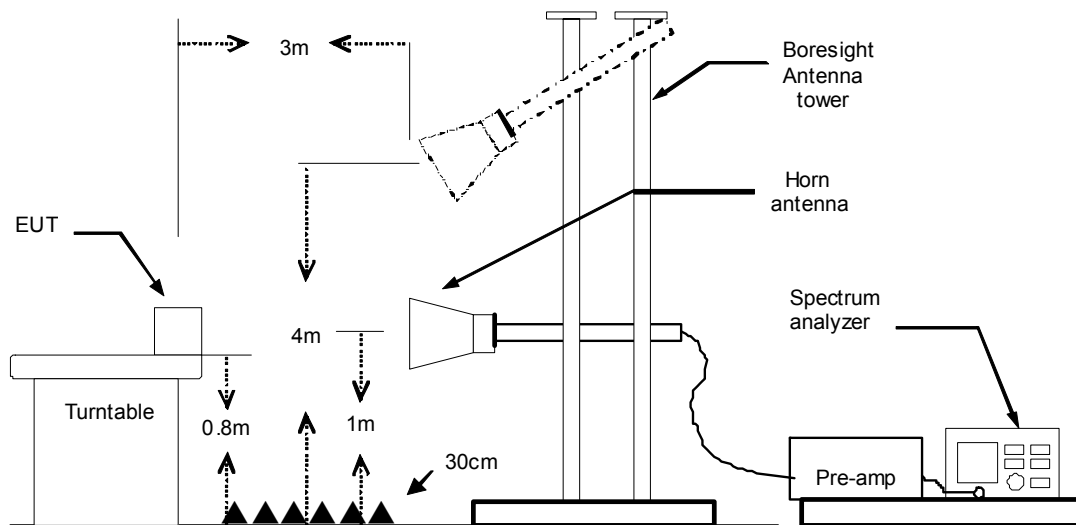


7.4. TEST SETUP

Below 1GHz



Above 1GHz



- For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.



7.5. DATA SAMPLE:

Below 1GHz

| Frequency (MHz) | Reading (dBuV) | Correction Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----------------|----------------|--------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| xx.xx | 16.49 | 9.86 | 26.35 | 30.00 | -3.65 | 116.00 | 101.00 | QP |

Above 1GHz

| Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| xx.xx | 60.80 | -14.59 | 46.21 | 74.00 | -27.79 | 200 | 351 | peak |
| xx.xx | 52.05 | -13.17 | 38.88 | 54.00 | -15.12 | 200 | 135 | AVG |

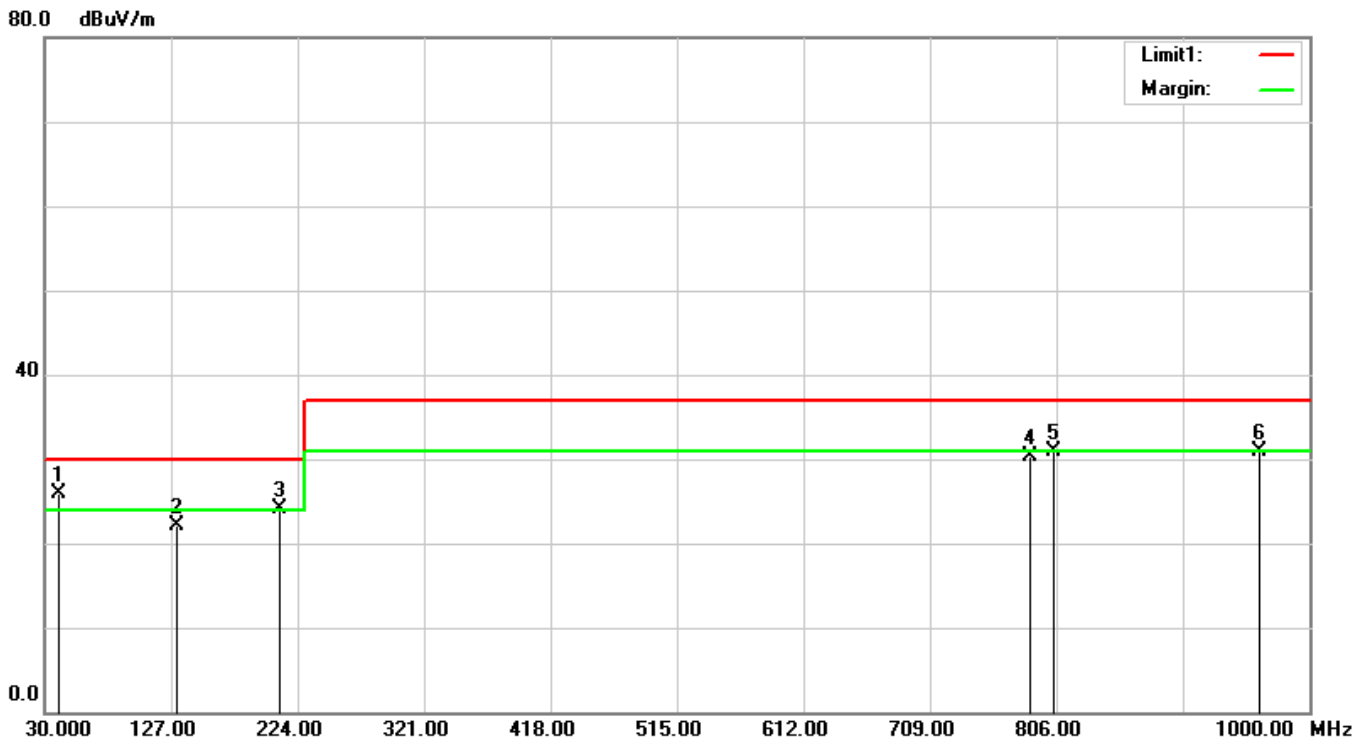
- Frequency (MHz) = Emission frequency in MHz
- Reading (dBuV) = Uncorrected Analyzer / Receiver reading
- Correction Factor (dB/m) = Antenna factor + Cable loss – Amplifier gain
- Result (dBuV/m) = Reading (dBuV) + Corr. Factor (dB/m)
- Limit (dBuV/m) = Limit stated in standard
- Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)
- Q.P. = Quasi-Peak



7.6. TEST RESULTS

Below 1000MHz

| | | | |
|---------------------------------|---------------------------------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 1 |
| Environmental Conditions | 26°C, 60% RH | Test Date | 2013/10/09 |
| Antenna Pole | Vertical | Antenna Distance | 10m |
| Detector Function: | Quasi-peak. | Tested by | Moore Cheng |
| Standard | FCC CLASS B W/ CISPR 22 CLASS B LIMIT | | |



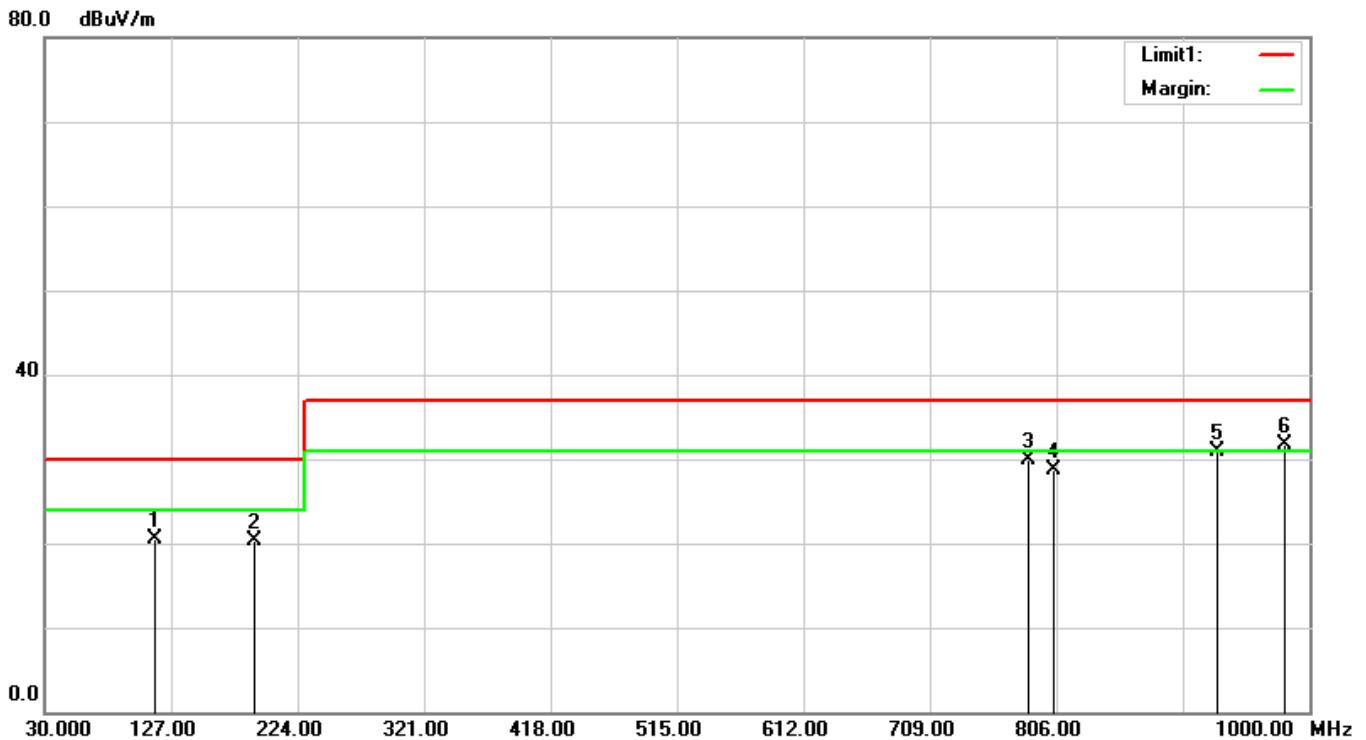
| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 40.6700 | 39.71 | -13.76 | 25.95 | 30.00 | -4.05 | 161 | 0 | QP |
| 2 | 130.8800 | 35.46 | -13.45 | 22.01 | 30.00 | -7.99 | 100 | 117 | QP |
| 3 | 210.4200 | 38.99 | -14.84 | 24.15 | 30.00 | -5.85 | 100 | 285 | QP |
| 4 | 785.6300 | 32.93 | -2.54 | 30.39 | 37.00 | -6.61 | 100 | 166 | QP |
| 5 | 804.0600 | 33.26 | -2.30 | 30.96 | 37.00 | -6.04 | 400 | 0 | QP |
| 6 | 962.1700 | 30.56 | 0.26 | 30.82 | 37.00 | -6.18 | 400 | 0 | QP |

REMARKS: 1. The other emission levels were very low against the limit.
2. 30MHz to 1000MHz test is Applicable CISPR 22 standard.



Below 1000MHz

| | | | |
|---------------------------------|---------------------------------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 1 |
| Environmental Conditions | 26°C, 60% RH | Test Date | 2013/10/09 |
| Antenna Pole | Horizontal | Antenna Distance | 10m |
| Detector Function: | Quasi-peak. | Tested by | Moore Cheng |
| Standard | FCC CLASS B W/ CISPR 22 CLASS B LIMIT | | |



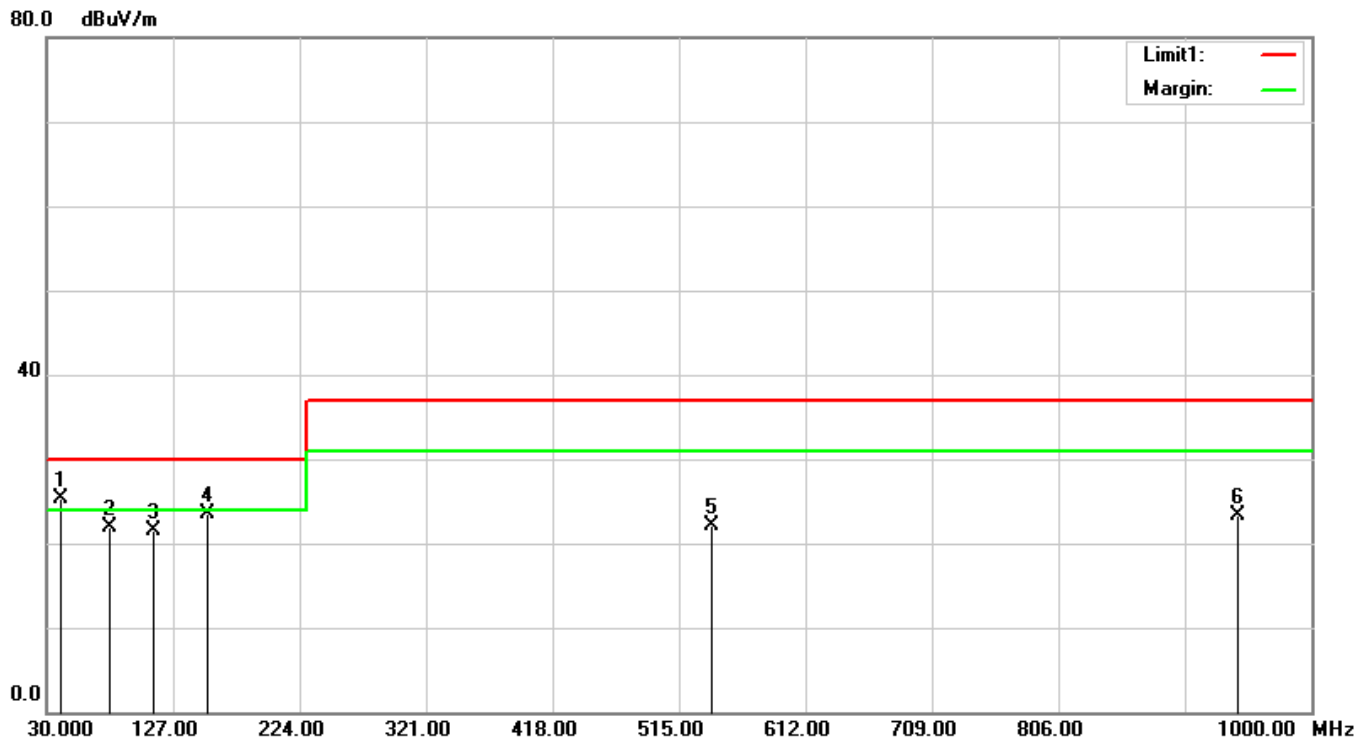
| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 114.3900 | 34.47 | -14.01 | 20.46 | 30.00 | -9.54 | 395 | 246 | QP |
| 2 | 191.0200 | 36.04 | -15.66 | 20.38 | 30.00 | -9.62 | 395 | 160 | QP |
| 3 | 784.6600 | 33.70 | -3.71 | 29.99 | 37.00 | -7.01 | 395 | 359 | QP |
| 4 | 804.0600 | 32.11 | -3.49 | 28.62 | 37.00 | -8.38 | 394 | 0 | QP |
| 5 | 929.1900 | 33.43 | -2.50 | 30.93 | 37.00 | -6.07 | 394 | 0 | QP |
| 6 | 981.5700 | 33.17 | -1.50 | 31.67 | 37.00 | -5.33 | 394 | 0 | QP |

REMARKS: 1. The other emission levels were very low against the limit.
 2. 30MHz to 1000MHz test is Applicable CISPR 22 standard.



Below 1000MHz

| | | | |
|---------------------------------|---------------------------------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 2 |
| Environmental Conditions | 26°C , 60% RH | Test Date | 2013/10/9 |
| Antenna Pole | Vertical | Antenna Distance | 10m |
| Detector Function: | Quasi-peak. | Tested by | Moore Cheng |
| Standard | FCC CLASS B W/ CISPR 22 CLASS B LIMIT | | |



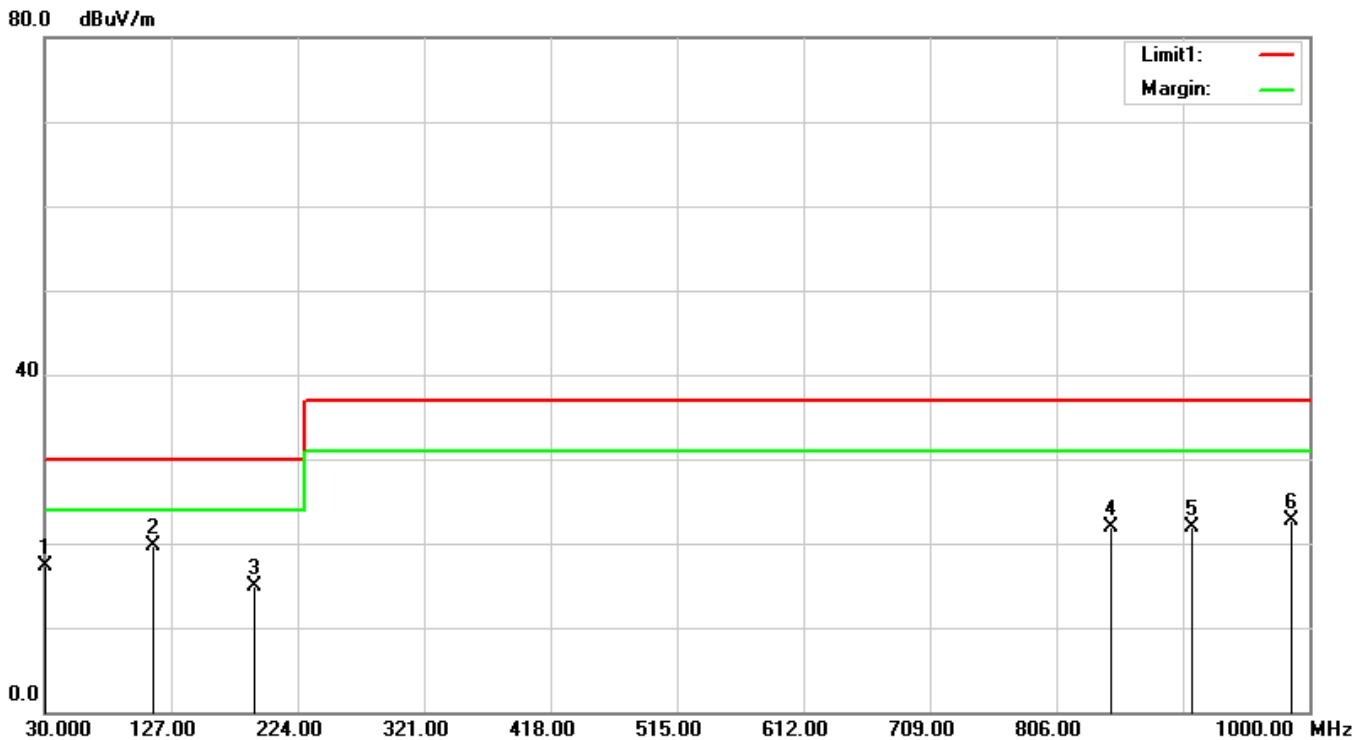
| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 40.6700 | 38.98 | -13.76 | 25.22 | 30.00 | -4.78 | 172 | 0 | QP |
| 2 | 78.5000 | 40.41 | -18.43 | 21.98 | 30.00 | -8.02 | 100 | 280 | QP |
| 3 | 111.4800 | 35.28 | -13.80 | 21.48 | 30.00 | -8.52 | 100 | 47 | QP |
| 4 | 153.1900 | 37.90 | -14.39 | 23.51 | 30.00 | -6.49 | 400 | 249 | QP |
| 5 | 540.2200 | 27.08 | -5.07 | 22.01 | 37.00 | -14.99 | 400 | 360 | QP |
| 6 | 943.7400 | 23.13 | 0.14 | 23.27 | 37.00 | -13.73 | 400 | 0 | QP |

REMARKS: 1. The other emission levels were very low against the limit.
 2. 30MHz to 1000MHz test is Applicable CISPR 22 standard.



Below 1000MHz

| | | | |
|---------------------------------|---------------------------------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 2 |
| Environmental Conditions | 26°C, 60% RH | Test Date | 2013/10/09 |
| Antenna Pole | Horizontal | Antenna Distance | 10m |
| Detector Function: | Quasi-peak. | Tested by | Moore Cheng |
| Standard | FCC CLASS B W/ CISPR 22 CLASS B LIMIT | | |



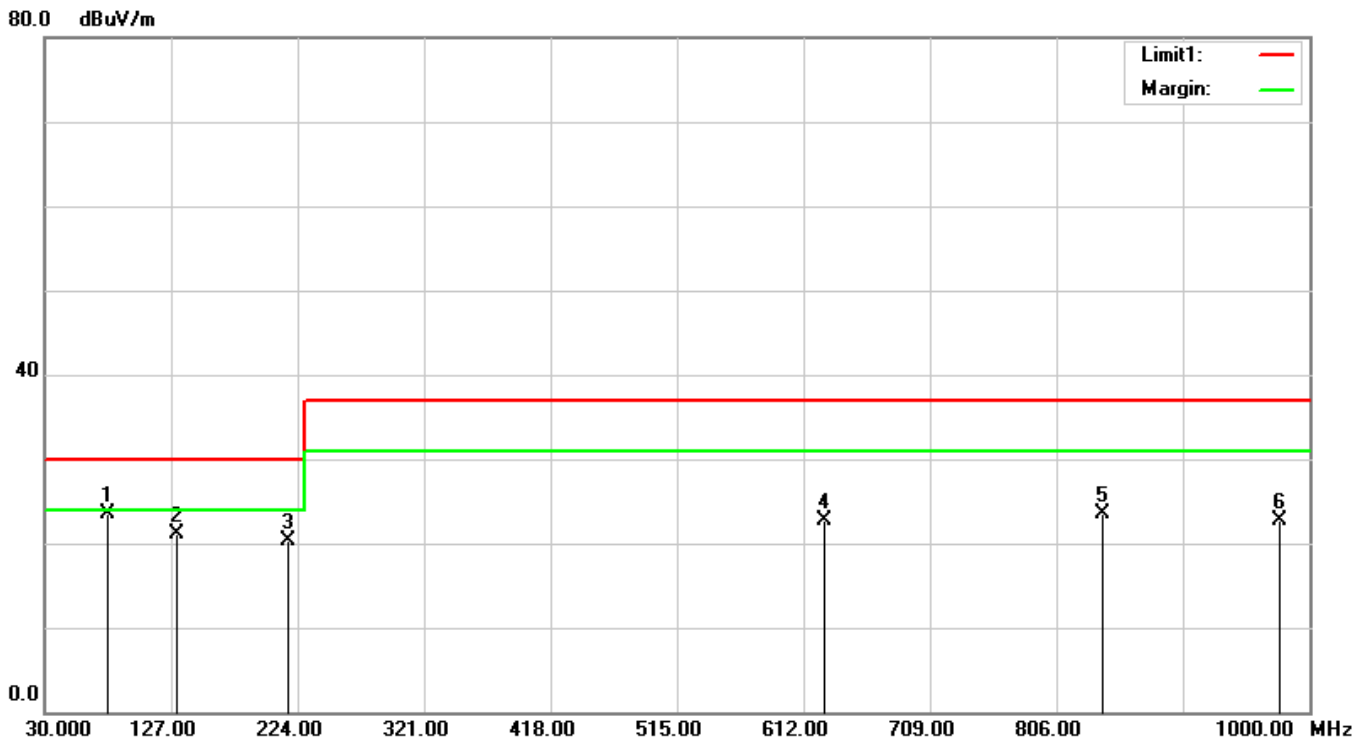
| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 30.9700 | 26.51 | -9.27 | 17.24 | 30.00 | -12.76 | 399 | 336 | QP |
| 2 | 113.4200 | 33.76 | -14.09 | 19.67 | 30.00 | -10.33 | 399 | 280 | QP |
| 3 | 191.0200 | 30.48 | -15.66 | 14.82 | 30.00 | -15.18 | 398 | 0 | QP |
| 4 | 847.7100 | 24.60 | -2.79 | 21.81 | 37.00 | -15.19 | 100 | 182 | QP |
| 5 | 909.7900 | 24.09 | -2.18 | 21.91 | 37.00 | -15.09 | 100 | 62 | QP |
| 6 | 986.4200 | 23.96 | -1.29 | 22.67 | 37.00 | -14.33 | 118 | 0 | QP |

REMARKS: 1. The other emission levels were very low against the limit.
2. 30MHz to 1000MHz test is Applicable CISPR 22 standard.



Below 1000MHz

| | | | |
|---------------------------------|---------------------------------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 3 |
| Environmental Conditions | 26°C , 60% RH | Test Date | 2013/10/10 |
| Antenna Pole | Vertical | Antenna Distance | 10m |
| Detector Function: | Quasi-peak. | Tested by | Moore Cheng |
| Standard | FCC CLASS B W/ CISPR 22 CLASS B LIMIT | | |



| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 78.5000 | 41.93 | -18.43 | 23.50 | 30.00 | -6.50 | 399 | 276 | QP |
| 2 | 130.8800 | 34.60 | -13.45 | 21.15 | 30.00 | -8.85 | 399 | 231 | QP |
| 3 | 216.2400 | 35.05 | -14.81 | 20.24 | 30.00 | -9.76 | 100 | 223 | QP |
| 4 | 627.5200 | 27.06 | -4.41 | 22.65 | 37.00 | -14.35 | 100 | 59 | QP |
| 5 | 840.9200 | 25.50 | -1.94 | 23.56 | 37.00 | -13.44 | 233 | 360 | QP |
| 6 | 977.6900 | 22.49 | 0.15 | 22.64 | 37.00 | -14.36 | 399 | 93 | QP |

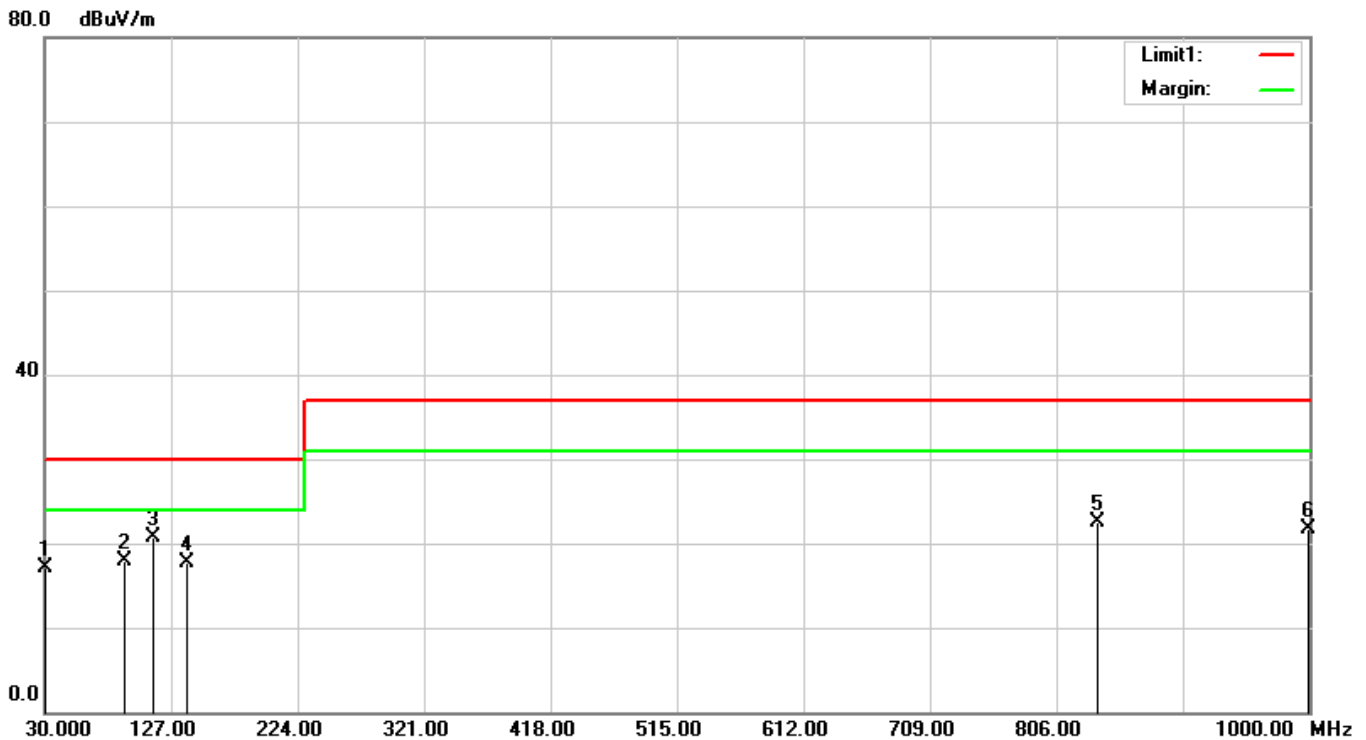
REMARKS:

1. The other emission levels were very low against the limit.
2. 30MHz to 1000MHz test is Applicable CISPR 22 standard.



Below 1000MHz

| | | | |
|---------------------------------|---------------------------------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 3 |
| Environmental Conditions | 26°C, 60% RH | Test Date | 2013/10/10 |
| Antenna Pole | Horizontal | Antenna Distance | 10m |
| Detector Function: | Quasi-peak. | Tested by | Moore Cheng |
| Standard | FCC CLASS B W/ CISPR 22 CLASS B LIMIT | | |



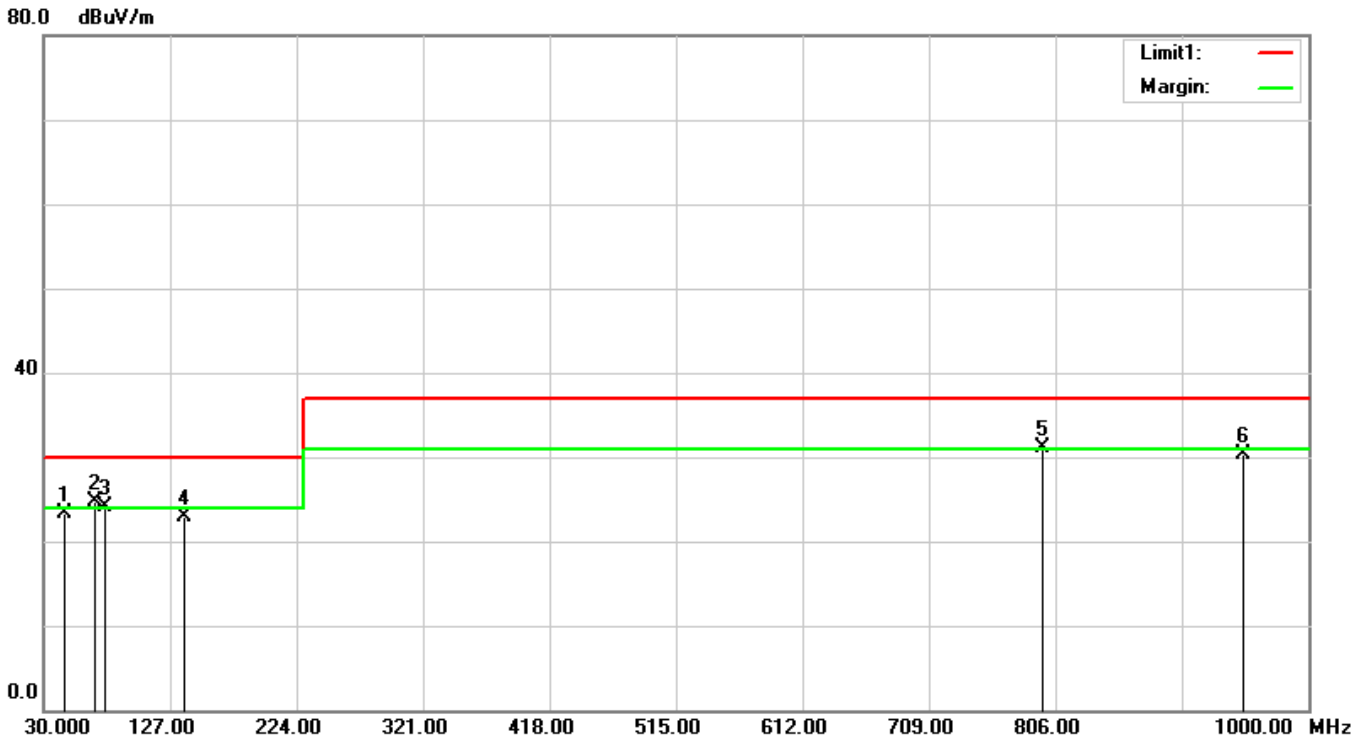
| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 30.9700 | 26.43 | -9.27 | 17.16 | 30.00 | -12.84 | 100 | 359 | QP |
| 2 | 91.1100 | 34.73 | -16.75 | 17.98 | 30.00 | -12.02 | 400 | 50 | QP |
| 3 | 113.4200 | 34.72 | -14.09 | 20.63 | 30.00 | -9.37 | 400 | 41 | QP |
| 4 | 138.6400 | 31.84 | -14.10 | 17.74 | 30.00 | -12.26 | 100 | 319 | QP |
| 5 | 837.0400 | 25.44 | -2.96 | 22.48 | 37.00 | -14.52 | 370 | 360 | QP |
| 6 | 999.0300 | 22.51 | -0.76 | 21.75 | 37.00 | -15.25 | 399 | 360 | QP |

REMARKS: 1. The other emission levels were very low against the limit.
2. 30MHz to 1000MHz test is Applicable CISPR 22 standard.



Below 1000MHz

| | | | |
|---------------------------------|---------------------------------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 4 |
| Environmental Conditions | 26°C, 60% RH | Test Date | 2013/10/10 |
| Antenna Pole | Vertical | Antenna Distance | 10m |
| Detector Function: | Quasi-peak. | Tested by | Moore Cheng |
| Standard | FCC CLASS B W/ CISPR 22 CLASS B LIMIT | | |



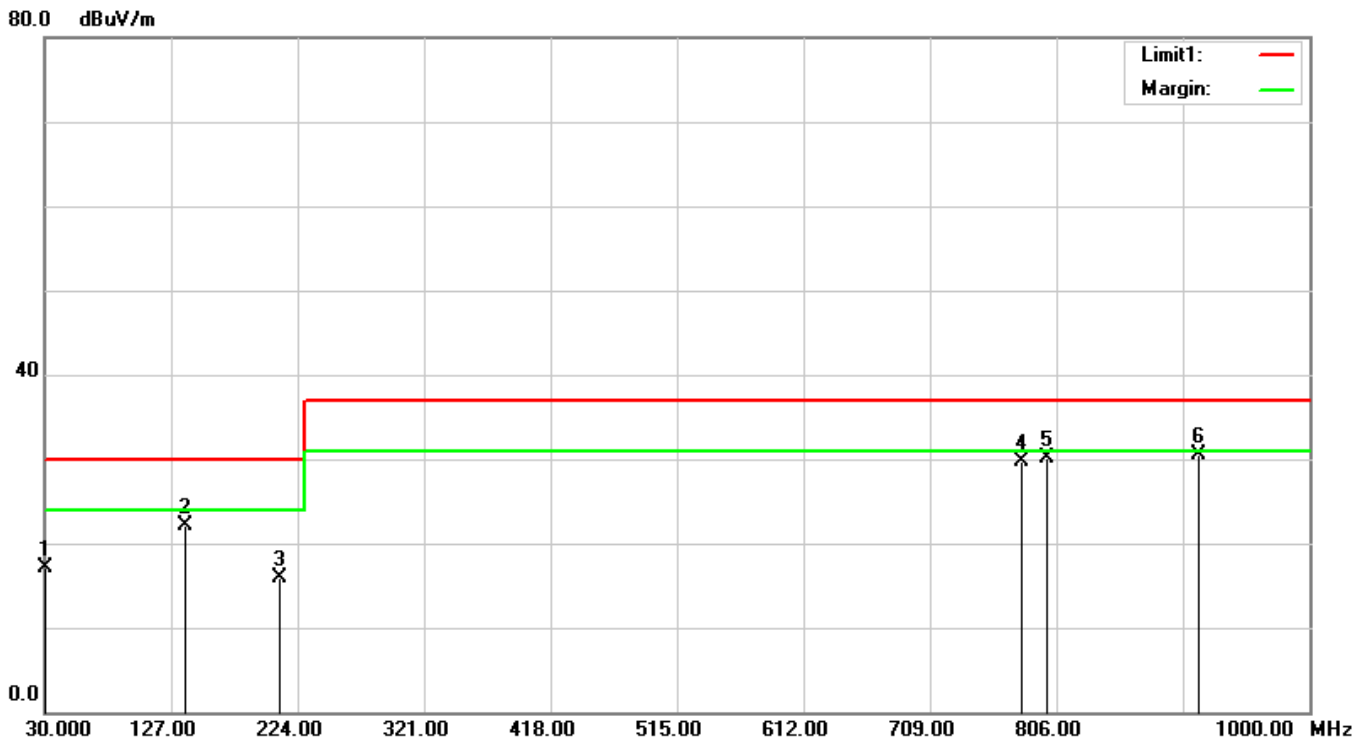
| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 46.4900 | 40.15 | -16.75 | 23.40 | 30.00 | -6.60 | 139 | 360 | QP |
| 2 | 68.8000 | 43.98 | -19.32 | 24.66 | 30.00 | -5.34 | 399 | 359 | QP |
| 3 | 77.5300 | 42.64 | -18.54 | 24.10 | 30.00 | -5.90 | 100 | 220 | QP |
| 4 | 137.6700 | 36.56 | -13.67 | 22.89 | 30.00 | -7.11 | 100 | 66 | QP |
| 5 | 796.3000 | 33.45 | -2.40 | 31.05 | 37.00 | -5.95 | 290 | 360 | QP |
| 6 | 950.5300 | 29.97 | 0.34 | 30.31 | 37.00 | -6.69 | 399 | 182 | QP |

REMARKS: 1. The other emission levels were very low against the limit.
2. 30MHz to 1000MHz test is Applicable CISPR 22 standard.



Below 1000MHz

| | | | |
|---------------------------------|---------------------------------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 4 |
| Environmental Conditions | 26°C, 60% RH | Test Date | 2013/10/10 |
| Antenna Pole | Horizontal | Antenna Distance | 10m |
| Detector Function: | Quasi-peak. | Tested by | Moore Cheng |
| Standard | FCC CLASS B W/ CISPR 22 CLASS B LIMIT | | |



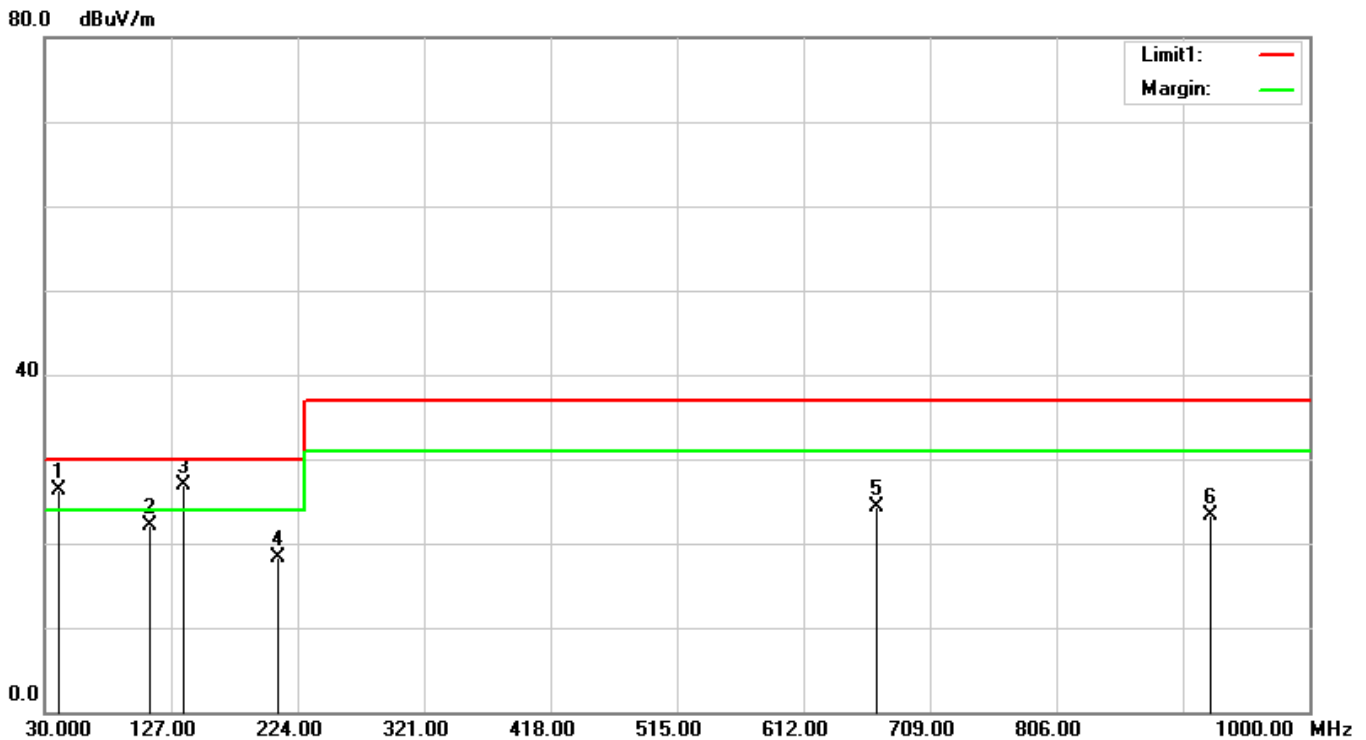
| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 30.0000 | 25.78 | -8.74 | 17.04 | 30.00 | -12.96 | 399 | 360 | QP |
| 2 | 137.6700 | 36.27 | -14.08 | 22.19 | 30.00 | -7.81 | 400 | 134 | QP |
| 3 | 210.4200 | 31.32 | -15.47 | 15.85 | 30.00 | -14.15 | 400 | 168 | QP |
| 4 | 779.8100 | 33.55 | -3.76 | 29.79 | 37.00 | -7.21 | 323 | 360 | QP |
| 5 | 799.2100 | 33.58 | -3.56 | 30.02 | 37.00 | -6.98 | 161 | 360 | QP |
| 6 | 915.6100 | 32.86 | -2.27 | 30.59 | 37.00 | -6.41 | 396 | 360 | QP |

REMARKS: 1. The other emission levels were very low against the limit.
 2. 30MHz to 1000MHz test is Applicable CISPR 22 standard.



Below 1000MHz

| | | | |
|---------------------------------|---------------------------------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 5 |
| Environmental Conditions | 26°C, 60% RH | Test Date | 2013/10/09 |
| Antenna Pole | Vertical | Antenna Distance | 10m |
| Detector Function: | Quasi-peak. | Tested by | Moore Cheng |
| Standard | FCC CLASS B W/ CISPR 22 CLASS B LIMIT | | |



| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 40.6700 | 40.01 | -13.76 | 26.25 | 30.00 | -3.75 | 168 | 0 | QP |
| 2 | 110.5100 | 36.08 | -13.88 | 22.20 | 30.00 | -7.80 | 100 | 86 | QP |
| 3 | 136.7000 | 40.54 | -13.63 | 26.91 | 30.00 | -3.09 | 100 | 65 | QP |
| 4 | 209.4500 | 33.26 | -14.86 | 18.40 | 30.00 | -11.60 | 399 | 164 | QP |
| 5 | 668.2600 | 28.41 | -4.03 | 24.38 | 37.00 | -12.62 | 100 | 338 | QP |
| 6 | 924.3400 | 23.70 | -0.49 | 23.21 | 37.00 | -13.79 | 399 | 264 | QP |

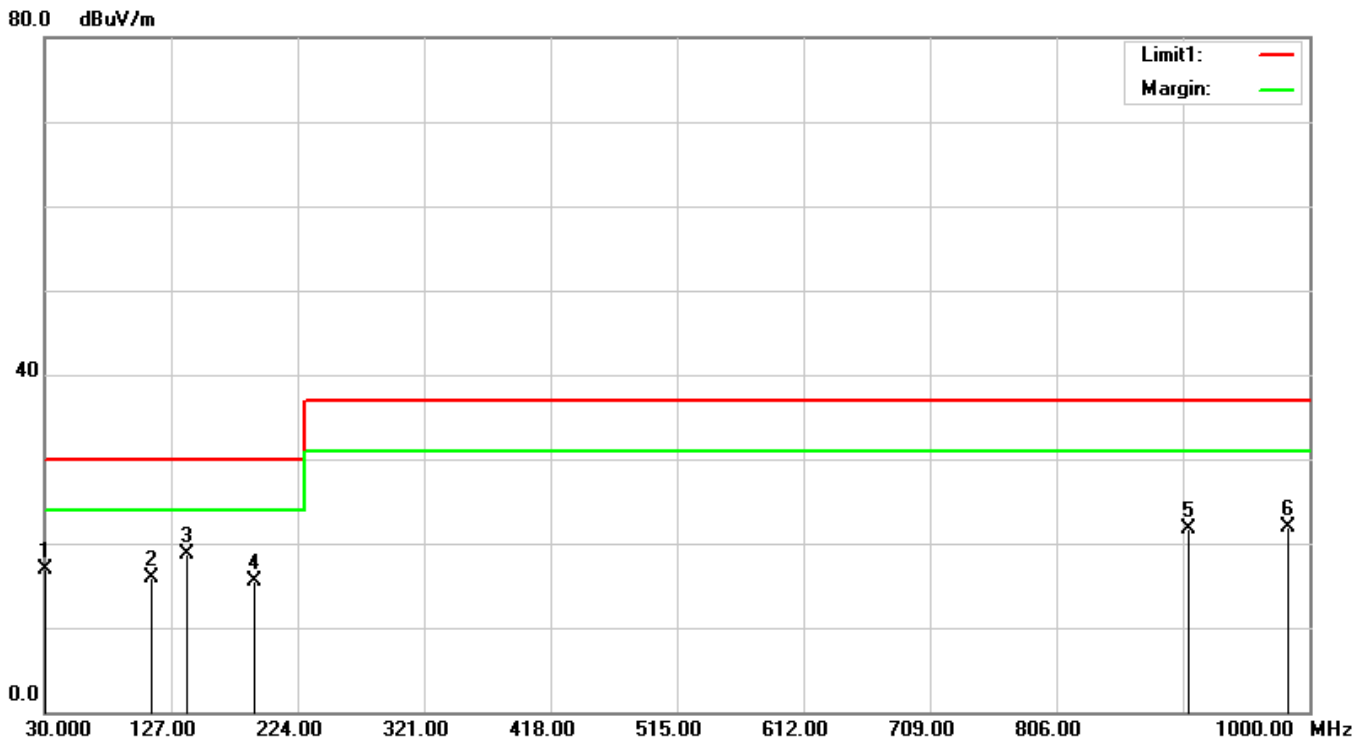
REMARKS:

1. The other emission levels were very low against the limit.
2. 30MHz to 1000MHz test is Applicable CISPR 22 standard.



Below 1000MHz

| | | | |
|---------------------------------|---------------------------------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 5 |
| Environmental Conditions | 26°C, 60% RH | Test Date | 2013/10/09 |
| Antenna Pole | Horizontal | Antenna Distance | 10m |
| Detector Function: | Quasi-peak. | Tested by | Moore Cheng |
| Standard | FCC CLASS B W/ CISPR 22 CLASS B LIMIT | | |



| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 30.9700 | 26.23 | -9.27 | 16.96 | 30.00 | -13.04 | 399 | 198 | QP |
| 2 | 111.4800 | 30.10 | -14.24 | 15.86 | 30.00 | -14.14 | 399 | 135 | QP |
| 3 | 138.6400 | 32.83 | -14.10 | 18.73 | 30.00 | -11.27 | 399 | 53 | QP |
| 4 | 191.0200 | 31.16 | -15.66 | 15.50 | 30.00 | -14.50 | 399 | 0 | QP |
| 5 | 906.8800 | 23.75 | -2.13 | 21.62 | 37.00 | -15.38 | 332 | 0 | QP |
| 6 | 983.5100 | 23.42 | -1.42 | 22.00 | 37.00 | -15.00 | 340 | 0 | QP |

REMARKS: 1. The other emission levels were very low against the limit.
2. 30MHz to 1000MHz test is Applicable CISPR 22 standard.



Above 1000MHz

| | | | |
|--|----------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 1 |
| Environmental Conditions | 26°C, 60% RH | Test Date | 2013/10/09 |
| Antenna Pole | Vertical | Antenna Distance | 3m |
| Highest frequency generated or used | 1900MHz | Upper frequency | 9.5GHz |
| Detector Function: | Average & Peak | Tested by | Moore Cheng |

| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 13495.000 | 57.13 | -3.67 | 53.46 | 74.00 | -20.54 | 147 | 0 | peak |
| 2 | 13495.000 | 46.27 | -3.67 | 42.60 | 54.00 | -11.40 | 147 | 0 | AVG |
| 3 | 14379.000 | 57.15 | -2.57 | 54.58 | 74.00 | -19.42 | 202 | 181 | peak |
| 4 | 14379.000 | 46.10 | -2.57 | 43.53 | 54.00 | -10.47 | 202 | 181 | AVG |
| 5 | 15237.500 | 56.79 | -1.43 | 55.36 | 74.00 | -18.64 | 202 | 74 | peak |
| 6 | 15237.500 | 45.95 | -1.43 | 44.52 | 54.00 | -9.48 | 202 | 74 | AVG |
| 7 | 16002.500 | 56.28 | -1.16 | 55.12 | 74.00 | -18.88 | 100 | 47 | peak |
| 8 | 16002.500 | 45.80 | -1.16 | 44.64 | 54.00 | -9.36 | 100 | 47 | AVG |
| 9 | 16801.500 | 54.92 | 0.91 | 55.83 | 74.00 | -18.17 | 100 | 358 | peak |
| 10 | 16801.500 | 44.13 | 0.91 | 45.04 | 54.00 | -8.96 | 100 | 358 | AVG |
| 11 | 17396.500 | 55.25 | 0.85 | 56.10 | 74.00 | -17.90 | 100 | 117 | peak |
| 12 | 17396.500 | 44.48 | 0.85 | 45.33 | 54.00 | -8.67 | 100 | 117 | AVG |

REMARKS:

1. The other emission levels were very low against the limit.
2. Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)



| | | | |
|--|----------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 1 |
| Environmental Conditions | 26°C, 60% RH | Test Date | 2013/10/09 |
| Antenna Pole | Horizontal | Antenna Distance | 3m |
| Highest frequency generated or used | 1900MHz | Upper frequency | 9.5GHz |
| Detector Function: | Average & Peak | Tested by | Moore Cheng |

| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 12585.500 | 55.93 | -3.18 | 52.75 | 74.00 | -21.25 | 100 | 324 | peak |
| 2 | 12585.500 | 45.09 | -3.18 | 41.91 | 54.00 | -12.09 | 100 | 324 | AVG |
| 3 | 14268.500 | 56.62 | -2.92 | 53.70 | 74.00 | -20.30 | 202 | 43 | peak |
| 4 | 14268.500 | 45.78 | -2.92 | 42.86 | 54.00 | -11.14 | 202 | 43 | AVG |
| 5 | 15067.500 | 56.34 | -1.75 | 54.59 | 74.00 | -19.41 | 199 | 0 | peak |
| 6 | 15067.500 | 45.42 | -1.75 | 43.67 | 54.00 | -10.33 | 199 | 0 | AVG |
| 7 | 16002.500 | 56.28 | -1.16 | 55.12 | 74.00 | -18.88 | 100 | 47 | peak |
| 8 | 16002.500 | 45.48 | -1.16 | 44.32 | 54.00 | -9.68 | 100 | 47 | AVG |
| 9 | 16801.500 | 54.92 | 0.91 | 55.83 | 74.00 | -18.17 | 100 | 358 | peak |
| 10 | 16801.500 | 44.11 | 0.91 | 45.02 | 54.00 | -8.98 | 100 | 358 | AVG |
| 11 | 17396.500 | 55.25 | 0.85 | 56.10 | 74.00 | -17.90 | 100 | 117 | peak |
| 12 | 17396.500 | 44.47 | 0.85 | 45.32 | 54.00 | -8.68 | 100 | 117 | AVG |

REMARKS:

1. The other emission levels were very low against the limit.
2. Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)



Above 1000MHz

| | | | |
|--|----------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 2 |
| Environmental Conditions | 26°C, 60% RH | Test Date | 2013/10/09 |
| Antenna Pole | Vertical | Antenna Distance | 3m |
| Highest frequency generated or used | 1900MHz | Upper frequency | 9.5GHz |
| Detector Function: | Average & Peak | Tested by | Moore Cheng |

| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 13418.500 | 56.65 | -3.58 | 53.07 | 74.00 | -20.93 | 199 | 0 | peak |
| 2 | 13418.500 | 46.13 | -3.58 | 42.55 | 54.00 | -11.45 | 199 | 0 | AVG |
| 3 | 14396.000 | 57.24 | -2.52 | 54.72 | 74.00 | -19.28 | 100 | 109 | peak |
| 4 | 14396.000 | 46.13 | -2.52 | 43.61 | 54.00 | -10.39 | 100 | 109 | AVG |
| 5 | 15135.500 | 56.11 | -1.62 | 54.49 | 74.00 | -19.51 | 202 | 1 | peak |
| 6 | 15135.500 | 45.22 | -1.62 | 43.60 | 54.00 | -10.40 | 202 | 1 | AVG |
| 7 | 15917.500 | 56.14 | -1.13 | 55.01 | 74.00 | -18.99 | 199 | 0 | peak |
| 8 | 15917.500 | 45.43 | -1.13 | 44.30 | 54.00 | -9.70 | 199 | 0 | AVG |
| 9 | 16801.500 | 55.25 | 0.91 | 56.16 | 74.00 | -17.84 | 202 | 0 | peak |
| 10 | 16801.500 | 44.32 | 0.91 | 45.23 | 54.00 | -8.77 | 202 | 0 | AVG |
| 11 | 17549.500 | 55.09 | 0.72 | 55.81 | 74.00 | -18.19 | 202 | 343 | peak |
| 12 | 17549.500 | 44.23 | 0.72 | 44.95 | 54.00 | -9.05 | 202 | 343 | AVG |

REMARKS:

1. The other emission levels were very low against the limit.
2. Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)



| | | | |
|--|----------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 2 |
| Environmental Conditions | 26°C, 60% RH | Test Date | 2013/10/09 |
| Antenna Pole | Horizontal | Antenna Distance | 3m |
| Highest frequency generated or used | 1900MHz | Upper frequency | 9.5GHz |
| Detector Function: | Average & Peak | Tested by | Moore Cheng |

| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 1960.500 | 68.73 | -18.01 | 50.72 | 74.00 | -23.28 | 100 | 359 | peak |
| 2 | 14234.500 | 57.31 | -3.01 | 54.30 | 74.00 | -19.70 | 202 | 0 | peak |
| 3 | 14234.500 | 46.56 | -3.01 | 43.55 | 54.00 | -10.45 | 202 | 0 | AVG |
| 4 | 15016.500 | 56.88 | -1.84 | 55.04 | 74.00 | -18.96 | 126 | 0 | peak |
| 5 | 15016.500 | 46.10 | -1.84 | 44.26 | 54.00 | -9.74 | 126 | 0 | AVG |
| 6 | 15960.000 | 56.22 | -1.14 | 55.08 | 74.00 | -18.92 | 136 | 0 | peak |
| 7 | 15960.000 | 45.34 | -1.14 | 44.20 | 54.00 | -9.80 | 136 | 0 | AVG |
| 8 | 16614.500 | 55.47 | 0.62 | 56.09 | 74.00 | -17.91 | 202 | 0 | peak |
| 9 | 16614.500 | 44.54 | 0.62 | 45.16 | 54.00 | -8.84 | 202 | 0 | AVG |
| 10 | 17464.500 | 55.36 | 0.78 | 56.14 | 74.00 | -17.86 | 100 | 1 | peak |
| 11 | 17464.500 | 44.51 | 0.78 | 45.29 | 54.00 | -8.71 | 100 | 1 | AVG |

REMARKS:

1. The other emission levels were very low against the limit.
2. Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)



Above 1000MHz

| | | | |
|--|----------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 3 |
| Environmental Conditions | 26°C, 60% RH | Test Date | 2013/10/10 |
| Antenna Pole | Vertical | Antenna Distance | 3m |
| Highest frequency generated or used | 1900MHz | Upper frequency | 9.5GHz |
| Detector Function: | Average & Peak | Tested by | Moore Cheng |

| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 13469.500 | 56.76 | -3.73 | 53.03 | 74.00 | -20.97 | 100 | 354 | peak |
| 2 | 13469.500 | 45.91 | -3.73 | 42.18 | 54.00 | -11.82 | 100 | 354 | AVG |
| 3 | 14260.000 | 56.31 | -3.05 | 53.26 | 74.00 | -20.74 | 202 | 219 | peak |
| 4 | 14260.000 | 45.62 | -3.05 | 42.57 | 54.00 | -11.43 | 202 | 219 | AVG |
| 5 | 15178.000 | 56.86 | -0.62 | 56.24 | 74.00 | -17.76 | 100 | 0 | peak |
| 6 | 15178.000 | 46.08 | -0.62 | 45.46 | 54.00 | -8.54 | 100 | 0 | AVG |
| 7 | 15951.500 | 55.64 | -0.07 | 55.57 | 74.00 | -18.43 | 100 | 359 | peak |
| 8 | 15951.500 | 44.79 | -0.07 | 44.72 | 54.00 | -9.28 | 100 | 359 | AVG |
| 9 | 16801.500 | 54.96 | 0.85 | 55.81 | 74.00 | -18.19 | 202 | 325 | peak |
| 10 | 16801.500 | 44.18 | 0.85 | 45.03 | 54.00 | -8.97 | 202 | 325 | AVG |
| 11 | 17277.500 | 55.38 | 0.93 | 56.31 | 74.00 | -17.69 | 100 | 250 | peak |
| 12 | 17277.500 | 44.55 | 0.93 | 45.48 | 54.00 | -8.52 | 100 | 250 | AVG |

REMARKS:

1. The other emission levels were very low against the limit.
2. Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)



| | | | |
|--|----------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 3 |
| Environmental Conditions | 26°C, 60% RH | Test Date | 2013/10/10 |
| Antenna Pole | Horizontal | Antenna Distance | 3m |
| Highest frequency generated or used | 1900MHz | Upper frequency | 9.5GHz |
| Detector Function: | Average & Peak | Tested by | Moore Cheng |

| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 12534.500 | 55.58 | -2.72 | 52.86 | 74.00 | -21.14 | 100 | 360 | peak |
| 2 | 12534.500 | 44.83 | -2.72 | 42.11 | 54.00 | -11.89 | 100 | 360 | AVG |
| 3 | 14370.500 | 56.20 | -2.80 | 53.40 | 74.00 | -20.60 | 177 | 360 | peak |
| 4 | 14370.500 | 45.41 | -2.80 | 42.61 | 54.00 | -11.39 | 177 | 360 | AVG |
| 5 | 15135.500 | 55.91 | -0.67 | 55.24 | 74.00 | -18.76 | 105 | 360 | peak |
| 6 | 15135.500 | 45.34 | -0.67 | 44.67 | 54.00 | -9.33 | 105 | 360 | AVG |
| 7 | 15849.500 | 55.34 | -0.09 | 55.25 | 74.00 | -18.75 | 136 | 360 | peak |
| 8 | 15849.500 | 44.62 | -0.09 | 44.53 | 54.00 | -9.47 | 136 | 360 | AVG |
| 9 | 16614.500 | 54.26 | 0.78 | 55.04 | 74.00 | -18.96 | 100 | 3 | peak |
| 10 | 16614.500 | 43.58 | 0.78 | 44.36 | 54.00 | -9.64 | 100 | 3 | AVG |
| 11 | 17286.000 | 55.39 | 0.93 | 56.32 | 74.00 | -17.68 | 100 | 209 | peak |
| 12 | 17286.000 | 44.65 | 0.93 | 45.58 | 54.00 | -8.42 | 100 | 209 | AVG |

REMARKS:

1. The other emission levels were very low against the limit.
2. Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)



Above 1000MHz

| | | | |
|--|----------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 4 |
| Environmental Conditions | 26°C, 60% RH | Test Date | 2013/10/10 |
| Antenna Pole | Vertical | Antenna Distance | 3m |
| Highest frequency generated or used | 1900MHz | Upper frequency | 9.5GHz |
| Detector Function: | Average & Peak | Tested by | Moore Cheng |

| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 12645.000 | 57.46 | -2.79 | 54.67 | 74.00 | -19.33 | 100 | 360 | peak |
| 2 | 12645.000 | 46.74 | -2.79 | 43.95 | 54.00 | -10.05 | 100 | 360 | AVG |
| 3 | 14387.500 | 55.72 | -2.76 | 52.96 | 74.00 | -21.04 | 178 | 360 | peak |
| 4 | 14387.500 | 45.06 | -2.76 | 42.30 | 54.00 | -11.70 | 178 | 360 | AVG |
| 5 | 15203.500 | 56.28 | -0.58 | 55.70 | 74.00 | -18.30 | 202 | 359 | peak |
| 6 | 15203.500 | 45.51 | -0.58 | 44.93 | 54.00 | -9.07 | 202 | 359 | AVG |
| 7 | 15994.000 | 55.68 | -0.05 | 55.63 | 74.00 | -18.37 | 202 | 0 | peak |
| 8 | 15994.000 | 44.80 | -0.05 | 44.75 | 54.00 | -9.25 | 202 | 0 | AVG |
| 9 | 16640.000 | 54.71 | 0.80 | 55.51 | 74.00 | -18.49 | 100 | 217 | peak |
| 10 | 16640.000 | 44.15 | 0.80 | 44.95 | 54.00 | -9.05 | 100 | 217 | AVG |
| 11 | 17507.000 | 55.06 | 0.96 | 56.02 | 74.00 | -17.98 | 106 | 360 | peak |
| 12 | 17507.000 | 44.18 | 0.96 | 45.14 | 54.00 | -8.86 | 106 | 360 | AVG |

REMARKS:

1. The other emission levels were very low against the limit.
2. Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)



| | | | |
|--|----------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 4 |
| Environmental Conditions | 26°C, 60% RH | Test Date | 2013/10/10 |
| Antenna Pole | Horizontal | Antenna Distance | 3m |
| Highest frequency generated or used | 1900MHz | Upper frequency | 9.5GHz |
| Detector Function: | Average & Peak | Tested by | Moore Cheng |

| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 12611.000 | 56.49 | -2.76 | 53.73 | 74.00 | -20.27 | 100 | 347 | peak |
| 2 | 12611.000 | 45.72 | -2.76 | 42.96 | 54.00 | -11.04 | 100 | 347 | AVG |
| 3 | 14438.500 | 56.55 | -2.65 | 53.90 | 74.00 | -20.10 | 100 | 197 | peak |
| 4 | 14438.500 | 45.78 | -2.65 | 43.13 | 54.00 | -10.87 | 100 | 197 | AVG |
| 5 | 15169.500 | 56.79 | -0.62 | 56.17 | 74.00 | -17.83 | 100 | 288 | peak |
| 6 | 15169.500 | 46.11 | -0.62 | 45.49 | 54.00 | -8.51 | 100 | 288 | AVG |
| 7 | 15994.000 | 55.89 | -0.05 | 55.84 | 74.00 | -18.16 | 100 | 137 | peak |
| 8 | 15994.000 | 45.02 | -0.05 | 44.97 | 54.00 | -9.03 | 100 | 137 | AVG |
| 9 | 16597.500 | 54.89 | 0.79 | 55.68 | 74.00 | -18.32 | 104 | 360 | peak |
| 10 | 16597.500 | 44.04 | 0.79 | 44.83 | 54.00 | -9.17 | 104 | 360 | AVG |
| 11 | 17430.500 | 55.47 | 0.94 | 56.41 | 74.00 | -17.59 | 100 | 54 | peak |
| 12 | 17430.500 | 44.74 | 0.94 | 45.68 | 54.00 | -8.32 | 100 | 54 | AVG |

REMARKS:

1. The other emission levels were very low against the limit.
2. Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)



Above 1000MHz

| | | | |
|--|----------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 5 |
| Environmental Conditions | 26°C, 60% RH | Test Date | 2013/10/09 |
| Antenna Pole | Vertical | Antenna Distance | 3m |
| Highest frequency generated or used | 1900MHz | Upper frequency | 9.5GHz |
| Detector Function: | Average & Peak | Tested by | Moore Cheng |

| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 12568.500 | 56.84 | -3.18 | 53.66 | 74.00 | -20.34 | 100 | 201 | peak |
| 2 | 12568.500 | 46.03 | -3.18 | 42.85 | 54.00 | -11.15 | 100 | 201 | AVG |
| 3 | 14379.000 | 55.80 | -2.57 | 53.23 | 74.00 | -20.77 | 100 | 324 | peak |
| 4 | 14379.000 | 45.03 | -2.57 | 42.46 | 54.00 | -11.54 | 100 | 324 | AVG |
| 5 | 15050.500 | 56.25 | -1.78 | 54.47 | 74.00 | -19.53 | 100 | 47 | peak |
| 6 | 15050.500 | 45.58 | -1.78 | 43.80 | 54.00 | -10.20 | 100 | 47 | AVG |
| 7 | 16019.500 | 55.56 | -1.09 | 54.47 | 74.00 | -19.53 | 199 | 0 | peak |
| 8 | 16019.500 | 44.77 | -1.09 | 43.68 | 54.00 | -10.32 | 199 | 0 | AVG |
| 9 | 16665.500 | 55.04 | 0.70 | 55.74 | 74.00 | -18.26 | 100 | 278 | peak |
| 10 | 16665.500 | 44.19 | 0.70 | 44.89 | 54.00 | -9.11 | 100 | 278 | AVG |
| 11 | 17464.500 | 55.37 | 0.78 | 56.15 | 74.00 | -17.85 | 147 | 0 | peak |
| 12 | 17464.500 | 44.49 | 0.78 | 45.27 | 54.00 | -8.73 | 147 | 0 | AVG |

REMARKS:

1. The other emission levels were very low against the limit.
2. Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)



| | | | |
|--|----------------|-------------------------|-------------|
| Model No. | UL865-NAR | Test Mode | Mode 5 |
| Environmental Conditions | 26°C, 60% RH | Test Date | 2013/10/09 |
| Antenna Pole | Horizontal | Antenna Distance | 3m |
| Highest frequency generated or used | 1900MHz | Upper frequency | 9.5GHz |
| Detector Function: | Average & Peak | Tested by | Moore Cheng |

| No. | Frequency (MHz) | Reading (dBuV) | Correction Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (°) | Remark |
|-----|-----------------|----------------|-------------------------|-----------------|----------------|-------------|-------------|------------|--------|
| 1 | 12551.500 | 56.39 | -3.18 | 53.21 | 74.00 | -20.79 | 202 | 3 | peak |
| 2 | 12551.500 | 45.65 | -3.18 | 42.47 | 54.00 | -11.53 | 202 | 3 | AVG |
| 3 | 14268.500 | 56.61 | -2.92 | 53.69 | 74.00 | -20.31 | 105 | 0 | peak |
| 4 | 14268.500 | 45.78 | -2.92 | 42.86 | 54.00 | -11.14 | 105 | 0 | AVG |
| 5 | 15152.500 | 56.53 | -1.59 | 54.94 | 74.00 | -19.06 | 100 | 3 | peak |
| 6 | 15152.500 | 45.64 | -1.59 | 44.05 | 54.00 | -9.95 | 100 | 3 | AVG |
| 7 | 16053.500 | 55.58 | -0.98 | 54.60 | 74.00 | -19.40 | 202 | 328 | peak |
| 8 | 16053.500 | 44.85 | -0.98 | 43.87 | 54.00 | -10.13 | 202 | 328 | AVG |
| 9 | 16776.000 | 55.52 | 0.88 | 56.40 | 74.00 | -17.60 | 100 | 224 | peak |
| 10 | 16776.000 | 44.43 | 0.88 | 45.31 | 54.00 | -8.69 | 100 | 224 | AVG |
| 11 | 17430.500 | 55.22 | 0.81 | 56.03 | 74.00 | -17.97 | 100 | 116 | peak |
| 12 | 17430.500 | 44.31 | 0.81 | 45.12 | 54.00 | -8.88 | 100 | 116 | AVG |

REMARKS:

1. The other emission levels were very low against the limit.
2. Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)