

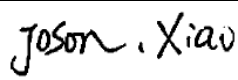

FCC PART 15B, CLASS B
MEASUREMENT AND TEST REPORT

For

Grandstream Networks, Inc.

126 Brookline Ave, 3rd Floor Boston, MA 02215, USA

FCC ID: YZZUCM6208

| | |
|---|---|
| Report Type: Original Report | Product Type: IP PBX |
| Test Engineer: Joson Xiao |  |
| Report Number: RSZ160512013-00 | |
| Report Date: 2016-05-30 | |
| Reviewed By: EMC Manager |  |
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Note: This test report is prepared for the customer shown above and for the equipment described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp.

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The *Grandstream Networks, Inc.*'s product, model number: *UCM6208 (FCC ID: YZZUCM6208)* in this report is a *IP PBX*, which was measured approximately: 44 cm (L) x 18.8 cm (W) x 4.4 cm (H), rated with input voltage: DC 12V /1.5A from power adapter or POE supply. The highest operating frequency is 1GHz.

Adapter information:

Model: F18W8-120150SPAU

Input: AC 100-240V 50/60Hz 0.6A

Output: DC 12V 1.5A

** All measurement and test data in this report was gathered from production sample serial number 1602261 (Assigned by BACL, Shenzhen). The EUT supplied by the applicant was received on 2016-05-12.*

Objective

This test report is prepared on behalf of *Grandstream Networks, Inc.* in accordance with Part 2-Subpart J, Part 15-Subparts A and B of the Federal Communication Commissions rules.

The objective of the manufacturer is to determine the compliance of the EUT with FCC Part 15 B.

Related Submittal(s)/Grant(s)

No related submittal(s).

Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

All radiated and conducted emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement uncertainty with radiated emission is 5.81 dB for 30MHz-1GHz, and 4.88 dB for above 1GHz, 1.95dB for conducted measurement.

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone Shenzhen, Guangdong, China.

Test site at Bay Area Compliance Laboratories Corp. (Shenzhen) has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on October 31, 2013. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2014.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 382179. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

SYSTEM TEST CONFIGURATION (FCC §15.27)**Justification**

The system was configured for testing in normal condition.

EUT Exercise Software

No exercise software was used.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

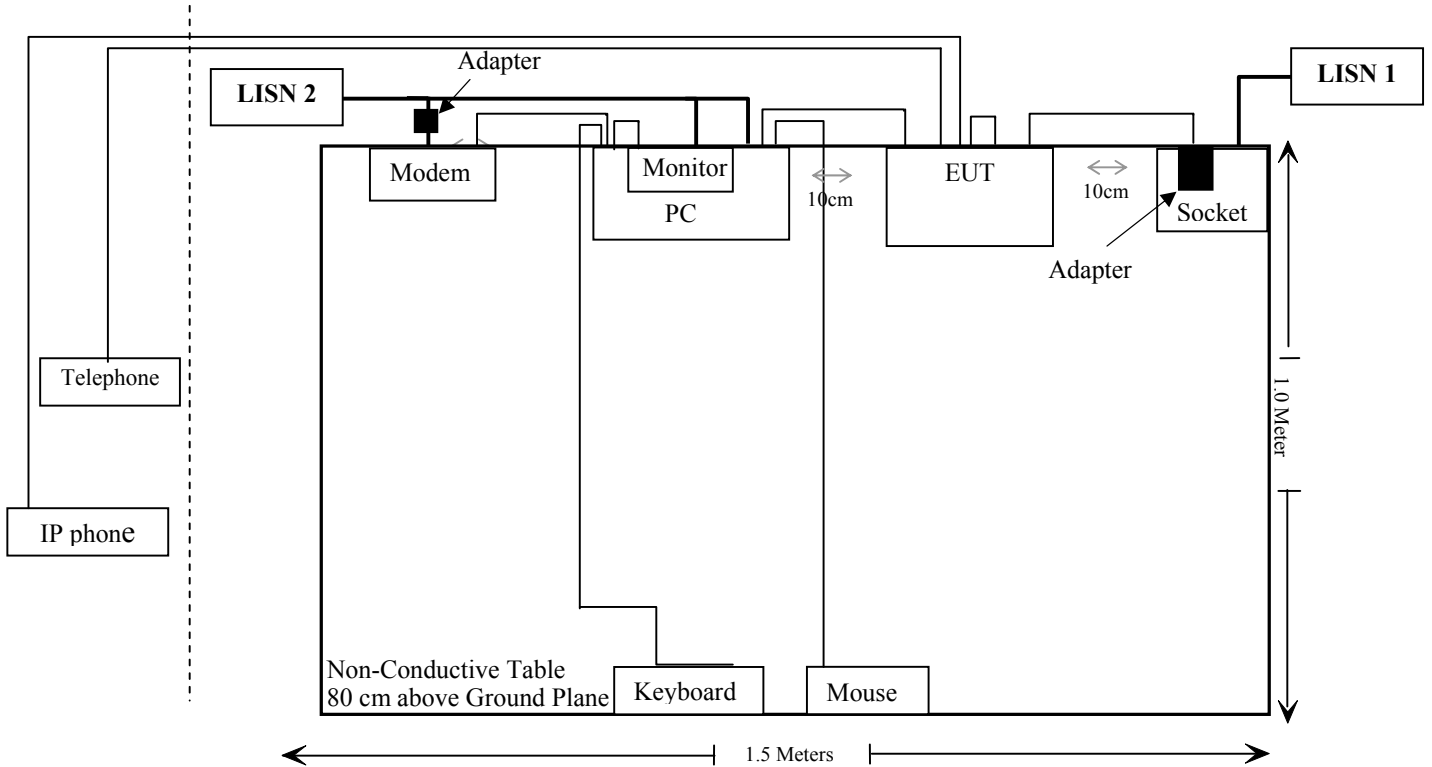
| Manufacturer | Description | Model | Serial Number |
|--------------|-------------|----------------|---------------|
| BULL | Socket | GN-415K | 5503290068073 |
| DELL | Monitor | E178FPc | 070072 |
| DELL | PC | DCSCSF | 127BP2X |
| ECOM | Modem | 56000bps | 21654684 |
| LISTED | Adapter1 | TYP60-1207000Z | 326703 |
| Microsoft | Keyboard | 1406 | 0200706128743 |
| Microsoft | Mouse | 1405 | 0204608630856 |
| Kingston | SD card | N/A | N/A |
| Tecalst | flash disk | N/A | N/A |
| Kinhao | Telephone | N/A | N/A |
| Grandstream | IP phone | GXP2130 | N/A |
| Ligowave | POE | FAS4800070-C55 | N/A |

External I/O Cable

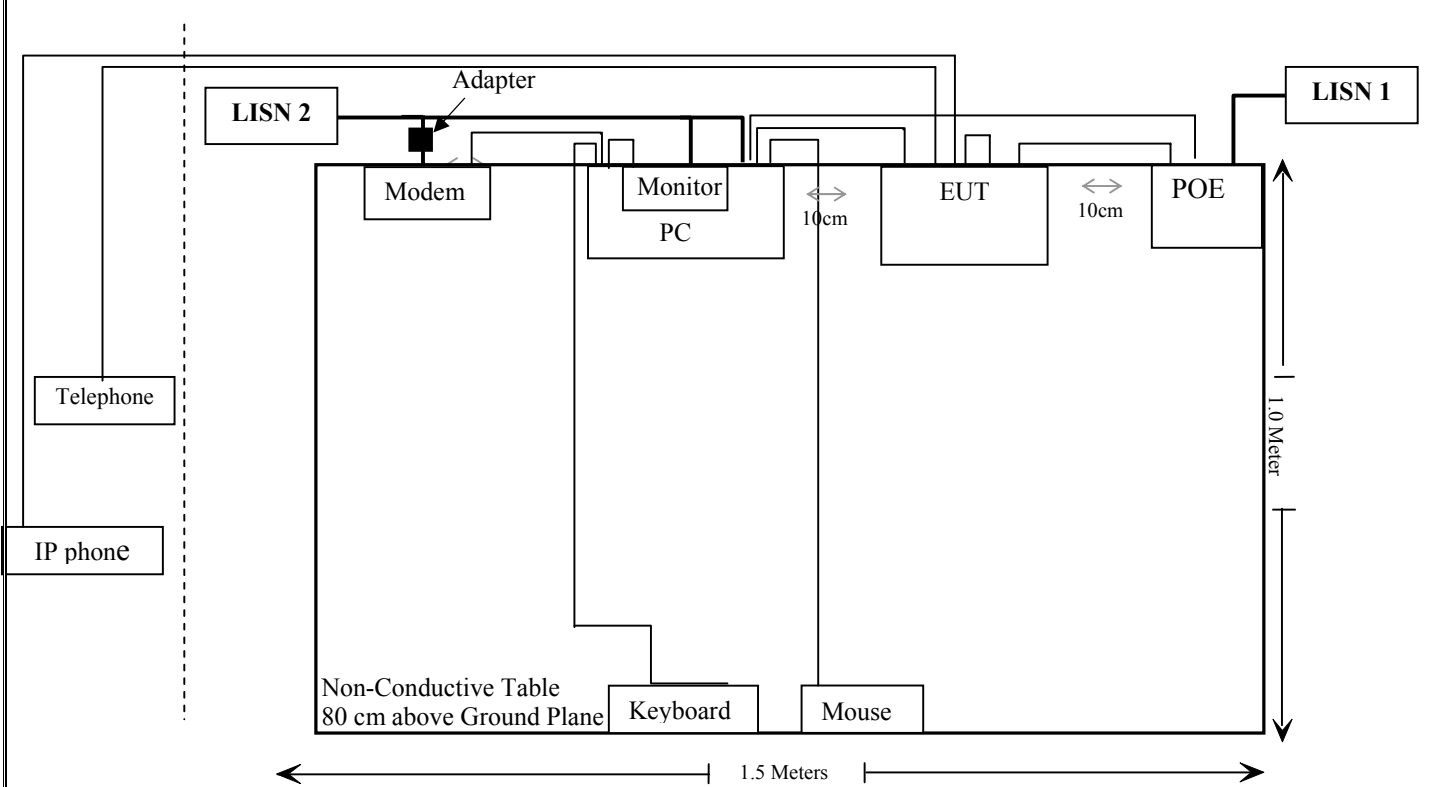
| Cable Description | Length (m) | From/Port | To |
|-------------------------------------|-------------------|------------------|-----------|
| Un-shielding Un-detachable AC cable | 1.0 | socket | Mains |
| Un-shielding Un-detachable DC cable | 2.5 | adapter | EUT |
| Un-shielding detachable RJ11 cable | 1.4 | EUT | EUT |
| Un-shielding detachable RJ45 cable | 10.0 | EUT | IP Phone |
| Un-shielding detachable RJ11 cable | 10.0 | EUT | telephone |
| Un-shielding detachable RJ45 cable | 1.6 | EUT | PC |
| Un-shielding detachable AC cable | 1.5 | PC | Mains |
| Un-shielding detachable AC cable | 1.5 | Monitor | Mains |
| Shielded detachable VGA cable | 1.4 | PC | Monitor |
| Shielded Un-detachable USB cable | 1.6 | Keyboard | PC |
| Shielded undetachable USB cable | 1.6 | mouse | PC |
| Shielded detachable RS232 cable | 1.7 | Modem | PC |
| Un-shielding Un-detachable DC cable | 1.6 | Modem | adapter1 |
| Un-shielding detachable AC cable | 1.5 | adapter1 | Mains |
| Un-shielding detachable AC cable | 1.0 | POE | Mains |
| Un-shielding detachable RJ45 cable | 1.4 | POE | EUT |
| Un-shielding detachable RJ45 cable | 1.8 | POE | PC |

Block Diagram of Test Setup

Test Set up Connect: Power by adapter



Test Set up Connect: Power by POE



SUMMARY OF TEST RESULTS

| FCC Rules | Description of Test | Results |
|------------------|-----------------------------|----------------|
| §15.107 | AC Line Conducted Emissions | Compliance |
| §15.109 | Radiated Emissions | Compliance |

FCC §15.107 – AC LINE CONDUCTED EMISSIONS

Applicable Standard

According to FCC§15.107

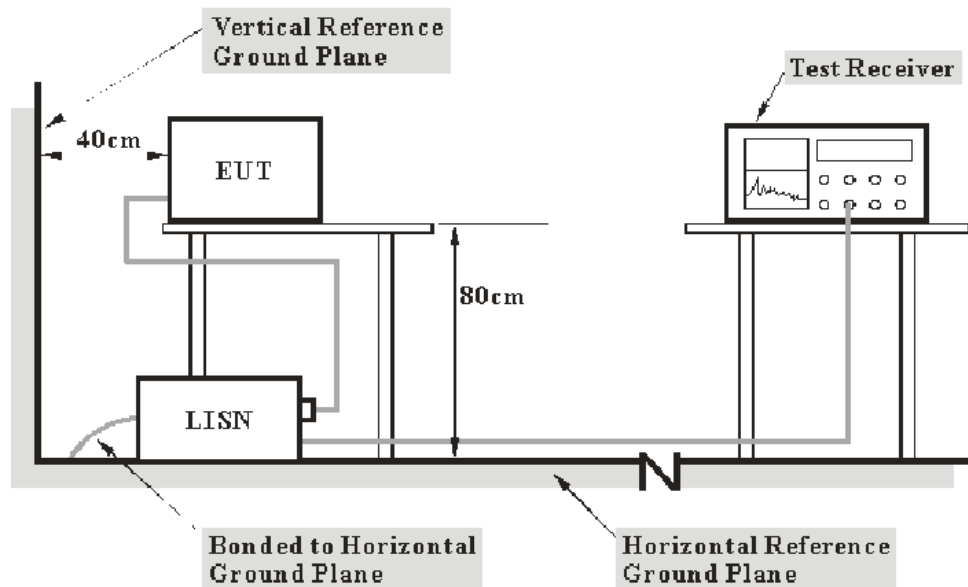
Measurement Uncertainty

Input quantities to be considered for conducted disturbance measurements maybe receiver reading, attenuation of the connection between LISN and receiver, LISN voltage division factor, LISN VDF frequency interpolation and receiver related input quantities, etc.

Based on CISPR 16-4-2:2011, the expanded combined standard uncertainty of conducted disturbance test at Bay Area Compliance Laboratories Corp. (Shenzhen) is shown as below. And the uncertainty will not be taken into consideration for the test data recorded in the report.

| Port | Expanded Measurement uncertainty |
|----------|--|
| AC Mains | 3.34 dB (k=2, 95% level of confidence) |

EUT Setup



- Note: 1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) 80 cm from EUT and at least 80 cm from other units and other metal planes support units.

The measurement procedure of EUT setup is according with ANSI C63.4-2014. The related limit was specified in FCC Part 15.107 Class B.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

| Frequency Range | IF B/W |
|------------------|--------|
| 150 kHz – 30 MHz | 9 kHz |

Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------|-------------------|--------|------------------------|------------------|----------------------|
| Rohde & Schwarz | LISN | ENV216 | 3560.6650.12-101613-Yb | 2015-12-15 | 2016-12-14 |
| Rohde & Schwarz | EMI Test Receiver | ESCS30 | 100176 | 2016-06-01 | 2017-05-31 |
| Rohde & Schwarz | Transient Limiter | ESH3Z2 | DE25985 | 2016-05-14 | 2017-05-14 |
| Rohde & Schwarz | LISN | ESH3Z5 | 100113 | NCR | NCR |
| Rohde & Schwarz | CE Test software | EMC 32 | V8.53 | NCR | NCR |

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements, traceable to National Primary Standards and International System of Units (SI).

Test Procedure

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

Corrected Factor & Margin Calculation

The Corrected factor is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation. The basic equation is as follows:

$$\text{Correction Factor} = \text{LISN VDF} + \text{Cable Loss} + \text{Transient Limiter Attenuation}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7 dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

Test Results Summary

According to the recorded data in following table, the worst margin reading as below:

8.8 dB at 12.045250 MHz in the **Line** conducted mode from Power by POE

Refer to CISPR16-4-2:2011 and CISPR 16-4-1:2009, the measured level is in compliance with the limit if

$$L_m + U_{(L_m)} \leq L_{lim} + U_{cispr}$$

In BACL, $U_{(L_m)}$ is less than U_{cispr} , if L_m is less than L_{lim} , it implies that the EUT complies with the limit.

Test Data

Environmental Conditions

| | |
|---------------------------|-----------|
| Temperature: | 24~27 °C |
| Relative Humidity: | 53~60 % |
| ATM Pressure: | 101.0 kPa |

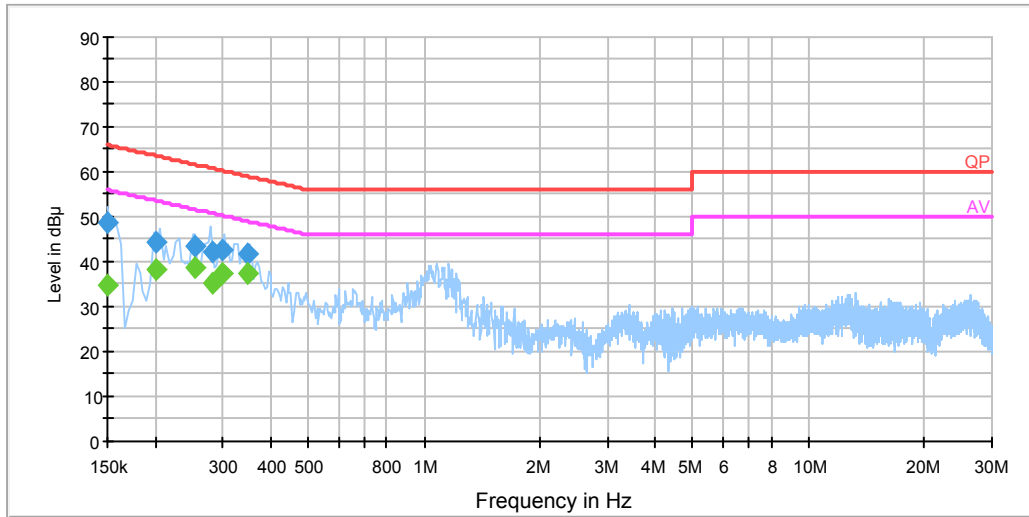
The testing was performed by Joson Xiao from 2016-06-01 to 2016-06-10.

EUT operation mode: Transmitting

Test Set up Connect: Power by adapter

AC 120V/60 Hz, Line

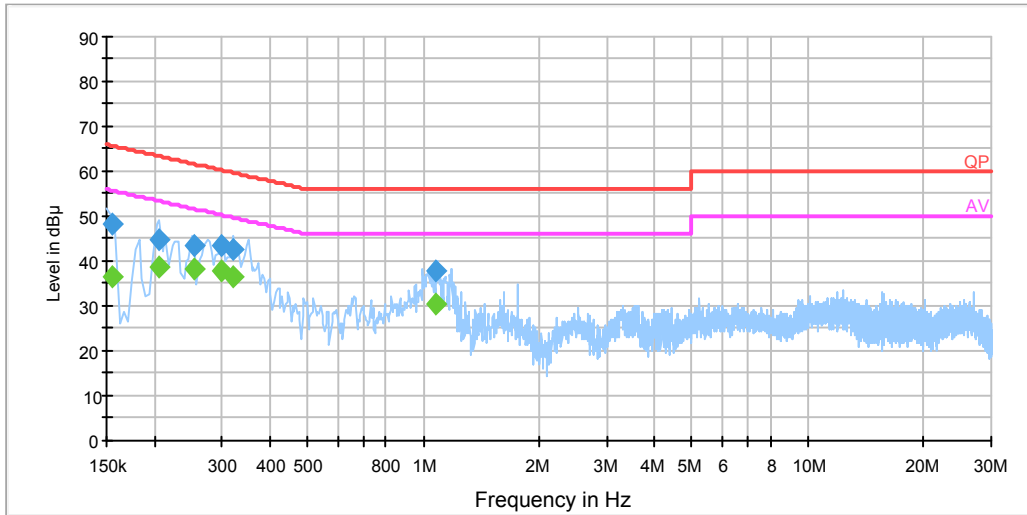
EMI Auto Test L



| Frequency (MHz) | Corrected Amplitude (dBµV) | Corrected Factor (dB) | Limit (dBµV) | Margin (dB) | Remark (PK/QP/Ave.) |
|-----------------|----------------------------|-----------------------|--------------|-------------|---------------------|
| 0.150000 | 48.7 | 20.0 | 66.0 | 17.3 | QP |
| 0.201500 | 44.5 | 20.0 | 63.5 | 19.0 | QP |
| 0.253500 | 43.7 | 19.9 | 61.6 | 17.9 | QP |
| 0.281500 | 42.1 | 19.9 | 60.8 | 18.7 | QP |
| 0.297470 | 42.7 | 19.9 | 60.3 | 17.6 | QP |
| 0.348750 | 41.8 | 19.9 | 59.0 | 17.2 | QP |
| 0.150000 | 34.9 | 20.0 | 56.0 | 21.1 | Ave. |
| 0.201500 | 38.4 | 20.0 | 53.5 | 15.1 | Ave. |
| 0.253500 | 38.7 | 19.9 | 51.6 | 12.9 | Ave. |
| 0.281500 | 35.0 | 19.9 | 50.8 | 15.8 | Ave. |
| 0.297470 | 37.6 | 19.9 | 50.3 | 12.7 | Ave. |
| 0.348750 | 37.3 | 19.9 | 49.0 | 11.7 | Ave. |

AC 120V/60 Hz, Neutral

EMI Auto Test N

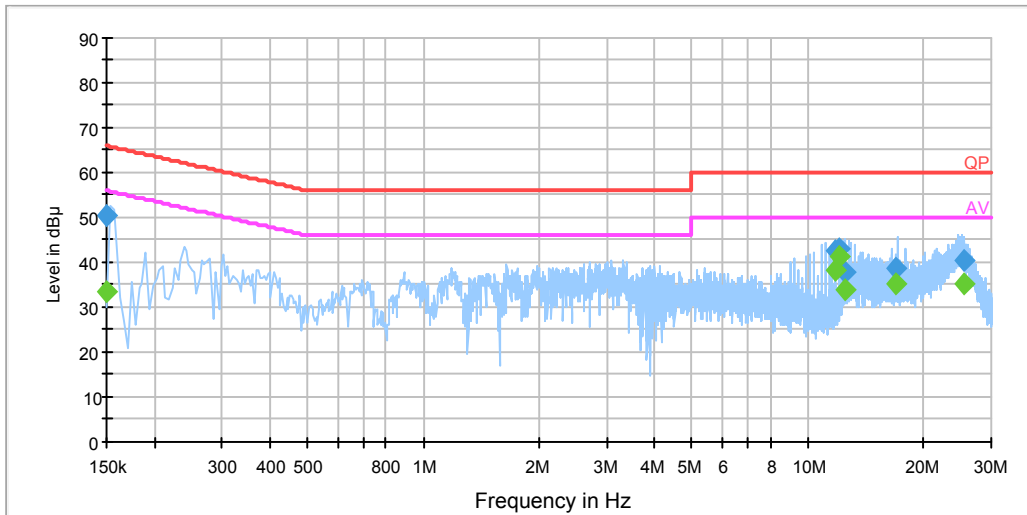


| Frequency (MHz) | Corrected Amplitude (dBµV) | Corrected Factor (dB) | Limit (dBµV) | Margin (dB) | Remark (PK/QP/Ave.) |
|-----------------|----------------------------|-----------------------|--------------|-------------|---------------------|
| 0.154500 | 48.1 | 20.0 | 65.8 | 17.7 | QP |
| 0.205500 | 45.0 | 20.0 | 63.4 | 18.4 | QP |
| 0.254500 | 43.4 | 19.9 | 61.6 | 18.2 | QP |
| 0.297470 | 43.5 | 19.9 | 60.3 | 16.8 | QP |
| 0.321170 | 42.7 | 19.9 | 59.7 | 17.0 | QP |
| 1.077650 | 38.0 | 20.0 | 56.0 | 18.0 | QP |
| 0.154500 | 36.7 | 20.0 | 55.8 | 19.1 | Ave. |
| 0.205500 | 38.8 | 20.0 | 53.4 | 14.6 | Ave. |
| 0.254500 | 38.1 | 19.9 | 51.6 | 13.5 | Ave. |
| 0.297470 | 38.0 | 19.9 | 50.3 | 12.3 | Ave. |
| 0.321170 | 36.5 | 19.9 | 49.7 | 13.2 | Ave. |
| 1.077650 | 30.4 | 20.0 | 46.0 | 15.6 | Ave. |

Test Set up Connect: Power by POE

AC 120V/60 Hz, Line

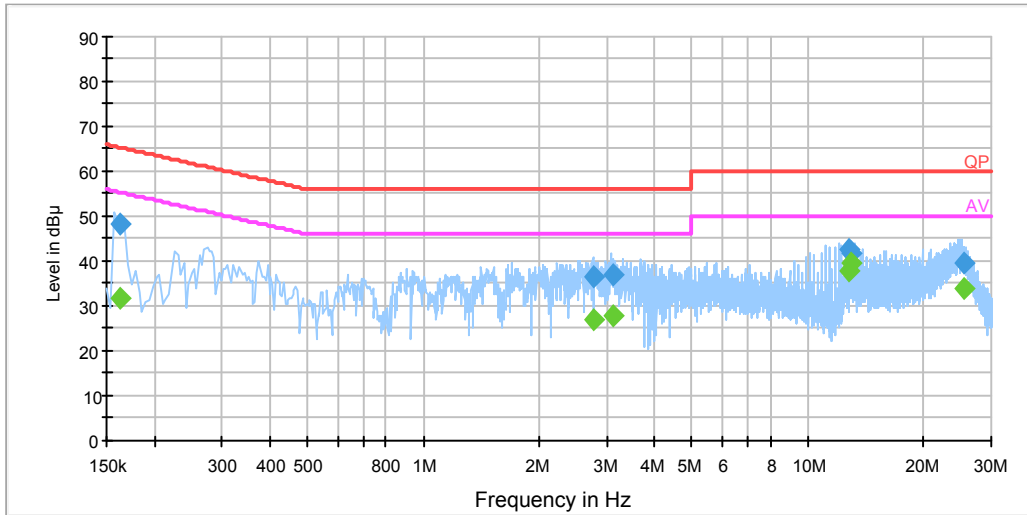
EMI Auto Test L



| Frequency (MHz) | Corrected Amplitude (dBµV) | Corrected Factor (dB) | Limit (dBµV) | Margin (dB) | Remark (PK/QP/Ave.) |
|-----------------|----------------------------|-----------------------|--------------|-------------|---------------------|
| 0.150000 | 50.3 | 20.0 | 66.0 | 15.7 | QP |
| 11.808790 | 42.7 | 20.1 | 60.0 | 17.3 | QP |
| 12.045250 | 43.0 | 20.1 | 60.0 | 17.0 | QP |
| 12.518170 | 38.0 | 20.1 | 60.0 | 22.0 | QP |
| 16.997050 | 38.9 | 20.1 | 60.0 | 21.1 | QP |
| 25.514890 | 40.4 | 20.2 | 60.0 | 19.6 | QP |
| 0.150000 | 33.6 | 20.0 | 56.0 | 22.4 | Ave. |
| 11.808790 | 38.1 | 20.1 | 50.0 | 11.9 | Ave. |
| 12.045250 | 41.2 | 20.1 | 50.0 | 8.8 | Ave. |
| 12.518170 | 33.9 | 20.1 | 50.0 | 16.1 | Ave. |
| 16.997050 | 35.1 | 20.1 | 50.0 | 14.9 | Ave. |
| 25.514890 | 35.1 | 20.2 | 50.0 | 14.9 | Ave. |

AC 120V/60 Hz, Neutral

EMI Auto Test N



| Frequency (MHz) | Corrected Amplitude (dBµV) | Corrected Factor (dB) | Limit (dBµV) | Margin (dB) | Remark (PK/QP/Ave.) |
|-----------------|----------------------------|-----------------------|--------------|-------------|---------------------|
| 0.162500 | 48.1 | 20.0 | 65.3 | 17.3 | QP |
| 2.760570 | 36.4 | 20.0 | 56.0 | 19.6 | QP |
| 3.099950 | 37.0 | 20.0 | 56.0 | 19.0 | QP |
| 12.746810 | 42.5 | 20.1 | 60.0 | 17.5 | QP |
| 12.979270 | 41.9 | 20.1 | 60.0 | 18.1 | QP |
| 25.350070 | 39.5 | 20.2 | 60.0 | 20.5 | QP |
| 0.162500 | 31.8 | 20.0 | 55.3 | 23.6 | Ave. |
| 2.760570 | 26.9 | 20.0 | 46.0 | 19.1 | Ave. |
| 3.099950 | 27.9 | 20.0 | 46.0 | 18.2 | Ave. |
| 12.746810 | 37.8 | 20.1 | 50.0 | 12.2 | Ave. |
| 12.979270 | 39.6 | 20.1 | 50.0 | 10.4 | Ave. |
| 25.350070 | 34.1 | 20.2 | 50.0 | 15.9 | Ave. |

Note:

- 1) Corrected Amplitude = Reading + Correction Factor
- 2) Correction Factor = LISN VDF + Cable Loss + Transient Limiter Attenuation
- 3) Margin = Limit – Corrected Amplitude

FCC §15.109 - RADIATED EMISSIONS

Applicable Standard

According to FCC§15.109

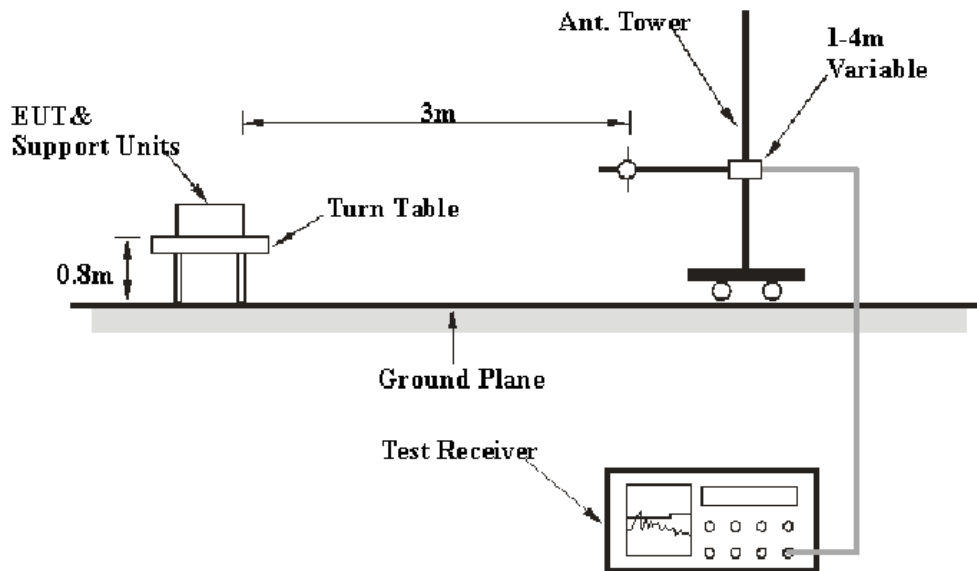
Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

Based on CISPR 16-4-2:2011, the expanded combined standard uncertainty of radiation emissions at Bay Area Compliance Laboratories Corp. (Shenzhen) is 5.81 dB for 30MHz-1GHz and 4.88 dB for above 1GHz, 1.95dB for conducted measurement at antenna port. And the uncertainty will not be taken into consideration for the test data recorded in the report.

| Frequency | Polarity | Measurement uncertainty |
|--------------|------------|--|
| 30MHz~200MHz | Horizontal | 4.04 dB (k=2, 95% level of confidence) |
| | Vertical | 4.52 dB (k=2, 95% level of confidence) |
| 200MHz~1GHz | Horizontal | 4.72 dB (k=2, 95% level of confidence) |
| | Vertical | 5.81 dB (k=2, 95% level of confidence) |

Test System Setup



The radiated emission tests were performed in the 3 meters chamber test site.

EMI Test Receiver Setup

According to FCC 15.33 requirements, the EUT system was measured from 30 MHz to 5GHz.

During the radiated emission test, the EMI test receiver Setup was set with the following configurations:

| Frequency Range | RBW | Video B/W | IF B/W | Detector |
|-------------------|---------|-----------|---------|----------|
| 30 MHz – 1000 MHz | 100 kHz | 300 kHz | 120 kHz | QP |
| 1 GHz – 5 GHz | 1 MHz | 3 MHz | - | Peak |
| 1 GHz – 5 GHz | 1 MHz | 10 Hz | - | Average |

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All final data was recorded in the Quasi-peak detection mode for below 1 GHz, and Peak and Average for above 1 GHz.

Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------|--------------------|-------------|---------------|------------------|----------------------|
| TDK | Chamber | Chamber A | 2# | 2015-10-15 | 2018-10-15 |
| HP | Amplifier | HP8447E | 1937A01046 | 2016-05-06 | 2017-05-06 |
| Rohde & Schwarz | EMI Test Receiver | ESCI | 101120 | 2015-12-15 | 2016-12-14 |
| Sunol Sciences | Broadband Antenna | JB1 | A040904-2 | 2014-12-07 | 2017-12-06 |
| Rohde & Schwarz | Auto test Software | EMC32 | V9.10 | NCR | NCR |
| Rohde & Schwarz | Signal Analyzer | FSIQ26 | 8386001028 | 2015-12-11 | 2016-12-11 |
| Mini | Pre-Amplifier | ZVA-183-S+ | 5969001149 | 2016-04-23 | 2017-04-23 |
| A.H.System | Horn Antenna | SAS-200/571 | 135 | 2015-08-18 | 2018-08-17 |
| TDK | Chamber | Chamber B | 1# | 2013-07-22 | 2016-07-22 |

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

$$\text{Corrected Amplitude} = \text{Meter Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

Test Results Summary

According to the recorded data in following table, the worst margin reading as below:

5.05 dB at 374.982250 MHz in the Vertical polarization. From Power by adapter

Refer to CISPR16-4-2:2011 and CISPR 16-4-1:2009, the measured level complies with the limit if

$$L_m + U_{(L_m)} \leq L_{lim} + U_{cispr}$$

In BACL., $U_{(L_m)}$ is less than U_{cispr} , if L_m is less than L_{lim} , it implies that the EUT complies with the limit.

Test Data

Environmental Conditions

| | |
|---------------------------|-----------|
| Temperature: | 24~27 °C |
| Relative Humidity: | 53~60 % |
| ATM Pressure: | 101.0 kPa |

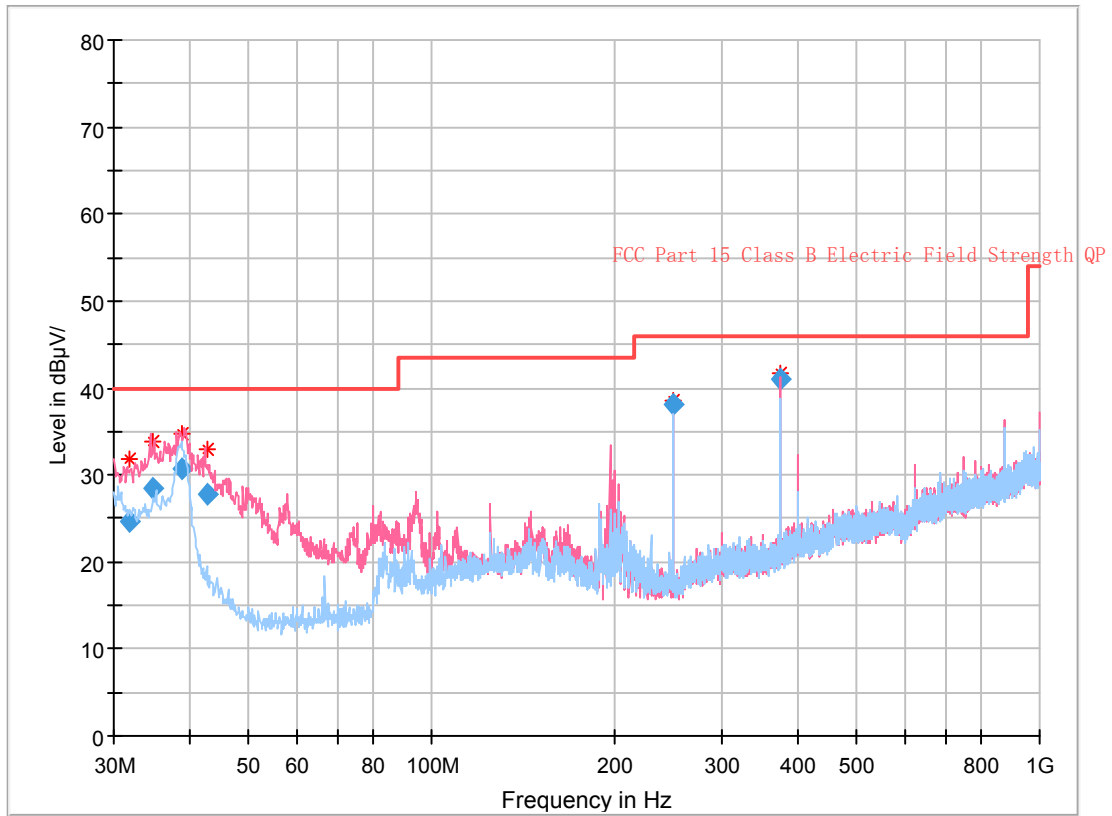
The testing was performed by Joson Xiao from 2016-05-26 to 2016-06-10.

Test mode: Transmitting

Test Set up Connect: Power by adapter

30 MHz~1 GHz:

Full Spectrum



| Frequency (MHz) | Corrected Amplitude (dBµV/m) | Antenna height (cm) | Antenna Polarity | Turntable position (degree) | Correction Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|------------------------------|---------------------|------------------|-----------------------------|--------------------------|----------------|-------------|
| 31.716625 | 24.65 | 123.0 | V | 16.0 | -1.4 | 40.00 | 15.35 |
| 34.705625 | 28.39 | 100.0 | V | 226.0 | -3.9 | 40.00 | 11.61 |
| 38.785750 | 30.69 | 107.0 | V | 166.0 | -6.6 | 40.00 | 9.31 |
| 42.658250 | 27.70 | 110.0 | V | 26.0 | -9.4 | 40.00 | 12.30 |
| 249.992000 | 38.18 | 100.0 | V | 57.0 | -8.6 | 46.00 | 7.82 |
| 374.982250 | 40.95 | 104.0 | V | 50.0 | -5.4 | 46.00 | 5.05 |

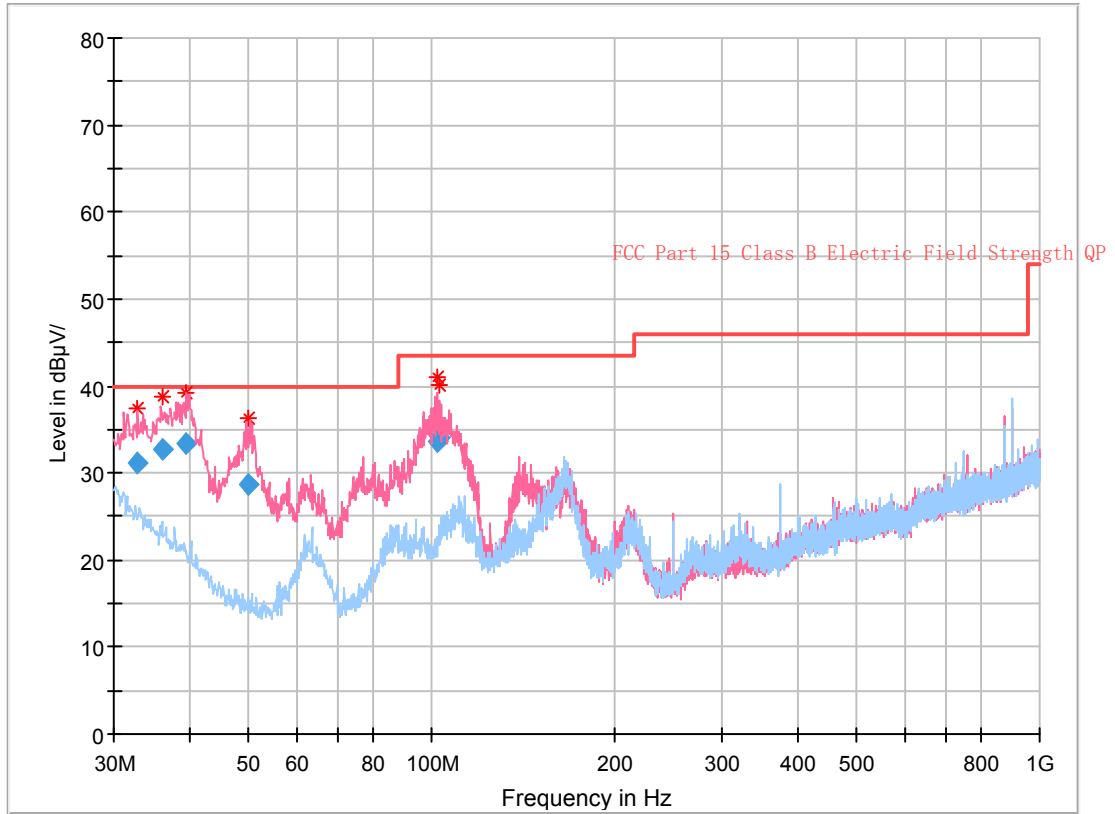
Above 1 GHz:

| Frequency (MHz) | Receiver | | Turntable Degree | Rx Antenna | | Corrected Factor (dB/m) | Corrected Amplitude (dBuV/m) | FCC Part 15B | |
|--------------------|-------------------------|----------------------|---------------------|---------------|------------------|-------------------------------|------------------------------------|-------------------|----------------|
| | Reading (dB μ V) | Detector PK/QP/AV | | Height (m) | Polar (H / V) | | | Limit (dBuV/m) | Margin (dB) |
| 1124.94 | 51.58 | PK | 343 | 1.3 | H | -12.07 | 39.51 | 74 | 34.49 |
| 1124.94 | 43.51 | Ave. | 343 | 1.3 | H | -12.07 | 31.44 | 54 | 22.56 |
| 1125.11 | 52.11 | PK | 256 | 1.8 | V | -12.07 | 40.04 | 74 | 33.96 |
| 1125.11 | 45.68 | Ave. | 256 | 1.8 | V | -12.07 | 33.61 | 54 | 20.39 |
| 1886.73 | 46.38 | PK | 333 | 2.2 | H | -9.83 | 36.55 | 74 | 37.45 |
| 1886.73 | 30.98 | Ave. | 333 | 2.2 | H | -9.83 | 21.15 | 54 | 32.85 |
| 1886.32 | 48.61 | PK | 293 | 1.5 | V | -9.83 | 38.78 | 74 | 35.22 |
| 1886.32 | 31.54 | Ave. | 293 | 1.5 | V | -9.83 | 21.71 | 54 | 32.29 |

Test Set up Connect: Power by POE

30 MHz~1 GHz:

Full Spectrum



| Frequency (MHz) | Corrected Amplitude (dBµV/m) | Antenna height (cm) | Antenna Polarity | Turntable position (degree) | Correction Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|------------------------------|---------------------|------------------|-----------------------------|--------------------------|----------------|-------------|
| 32.887875 | 31.18 | 105.0 | V | 100.0 | -2.4 | 40.00 | 8.82 |
| 36.141625 | 32.68 | 117.0 | V | 100.0 | -4.9 | 40.00 | 7.32 |
| 39.456750 | 33.28 | 133.0 | V | 183.0 | -7.0 | 40.00 | 6.72 |
| 50.045500 | 28.74 | 170.0 | V | 121.0 | -13.6 | 40.00 | 11.26 |
| 102.526750 | 33.65 | 100.0 | V | 312.0 | -10.0 | 43.50 | 9.85 |
| 103.218125 | 33.95 | 108.0 | V | 296.0 | -9.8 | 43.50 | 9.55 |

Above 1 GHz:

| Frequency (MHz) | Receiver | | Turntable Degree | Rx Antenna | | Corrected Factor (dB/m) | Corrected Amplitude (dBuV/m) | FCC Part 15B | |
|--------------------|-------------------|----------------------|---------------------|---------------|------------------|-------------------------------|------------------------------------|-------------------|----------------|
| | Reading (dBuV) | Detector PK/QP/AV | | Height (m) | Polar (H / V) | | | Limit (dBuV/m) | Margin (dB) |
| 1125.86 | 52.06 | PK | 351 | 1.4 | H | -12.07 | 39.99 | 74 | 34.01 |
| 1125.86 | 44.27 | Ave. | 351 | 1.4 | H | -12.07 | 32.2 | 54 | 21.8 |
| 1885.98 | 50.36 | PK | 328 | 2.2 | H | -9.83 | 40.53 | 74 | 33.47 |
| 1885.98 | 32.03 | Ave. | 328 | 2.2 | H | -9.83 | 22.2 | 54 | 31.8 |

Note:

- 1) Corrected Amplitude = Meter Reading + Correction Factor
- 2) Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain
- 3) Margin = Limit – Corrected Amplitude
- 4) The data below 20dB to the limit was not recorded.

******* END OF REPORT *******