

## FCC PART 15, CLASS B

### MEASUREMENT AND TEST REPORT

For

### **Yealink (Xiamen) Network Technology Co., Ltd.**

4th-5th Floor, South Building, NO.63 WangHai Road, 2nd Software Park, Xiamen, China

**FCC ID: T2C-T29G**

<b>Report Type:</b> Original Report	<b>Product Type:</b> IP Phone
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**Note:** This test report is prepared for the customer shown above and for the device 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

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### Product Description for Equipment under Test (EUT)

The Yealink (Xiamen) Network Technology Co., Ltd.'s product, model number: SIP-T29G (FCC ID: T2C-T29G) or the "EUT" in this report is an IP Phone, which was measured approximately: 226.5 cm (L) x 20.0 cm (W) x 13.0 cm (H), rated with input voltage: DC 5.0V from adapter. The highest operation frequency is 200 MHz.

#### Adapter 1 Information:

Model: NSA15EU-050200

Input: AC 100-240V~50/60Hz, 0.5A

Output: DC 5.0V, 2.0A

#### Adapter 2 Information:

Model: OH-1015A0502000U2-UL

Input: AC 100-240V~50/60Hz, 350mA

Output: DC 5.0V, 2A

*\*All measurement and test data in this report was gathered from production sample serial number:1408200 (Assigned by the BACL, Shenzhen). The EUT supplied by the applicant was received on 2014-08-26.*

### Objective

This report is prepared on behalf of Yealink (Xiamen) Network Technology Co., Ltd. in accordance with Part 2-Subpart J, and Part 15-Subparts A and B of the Federal Communication Commissions rules.

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

### Related Submittal(s)/Grant(s)

No related submittal(s).

### Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2009, 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.

## 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 December 06, 2010. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2009.

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.

F I N A L

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

The system was configured for testing in a typical fashion (as normally used by a typical user).

**EUT Exercise Software**

No exercise software was used.

**Special Accessories**

No special accessory was used.

**Equipment Modifications**

No modification was made to the EUT tested.

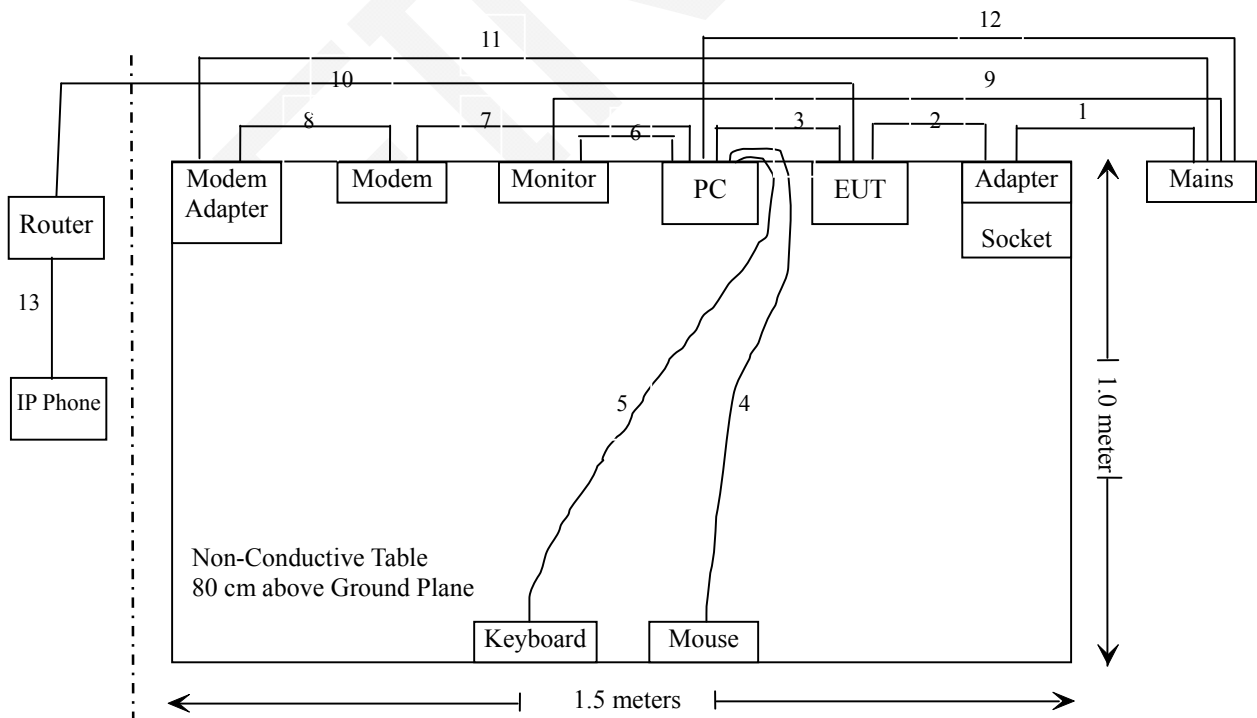
**Support Equipment List and Details**

Manufacturer	Description	Model	Serial Number
Sagem	Router	N/A	N/A
Yealink	IP phone	SIP-T29G	N/A
BULL	Scoket	GN-415K	5503290068073
DELL	PC	DCSCSF	LE513565
DELL	Monitor	E178FPc	070072
DELL	Keyboard	SK-8115	CN-0DJ313-71616-0CE-0ATX
A4TECH	Mouse	D-300	N/A
ECOM	Modem	56000bps	21654684
LISTED	Modem Adapter	TYP60-1207000Z	326703
Sagem	Router	N/A	N/A

**External I/O Cable**

Cable Description		Length (m)	From / Port	To
1	Un-shielding un-detachable AC cable	1.0	Mains	Socket
2	Un-shielding un-detachable DC cable	1.8	EUT	Adapter
3	Un-shielding detachable RJ45 cable	1.6	EUT	PC
4	Shielding Un-detachable USB cable	1.5	PC	Mouse
5	Shielding Un-detachable USB cable	1.5	PC	Keyboard
6	Shielding detachable VGA cable	1.5	Monitor	PC
7	Un-shielding detachable RS232 cable	1.8	PC	Modem
8	Un-shielding un-detachable DC cable	1.7	Modem Adapter	Modem
9	Un-shielding un-detachable AC cable	1.5	Mains	Monitor
10	Un-shielding detachable RJ45 cable	3.0	EUT	Router
11	Un-shielding un-detachable AC cable	1.5	Mains	Modem Adapter
12	Un-shielding detachable AC cable	1.5	Mains	PC
13	Un-shielding detachable RJ45 cable	1.5	IP phone	Router

**Block Diagram of Test Setup**



## SUMMARY OF TEST RESULTS

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

FINAL

## FCC §15.107 – AC LINE CONDUCTED EMISSIONS

### Applicable Standard

According to FCC§15.107

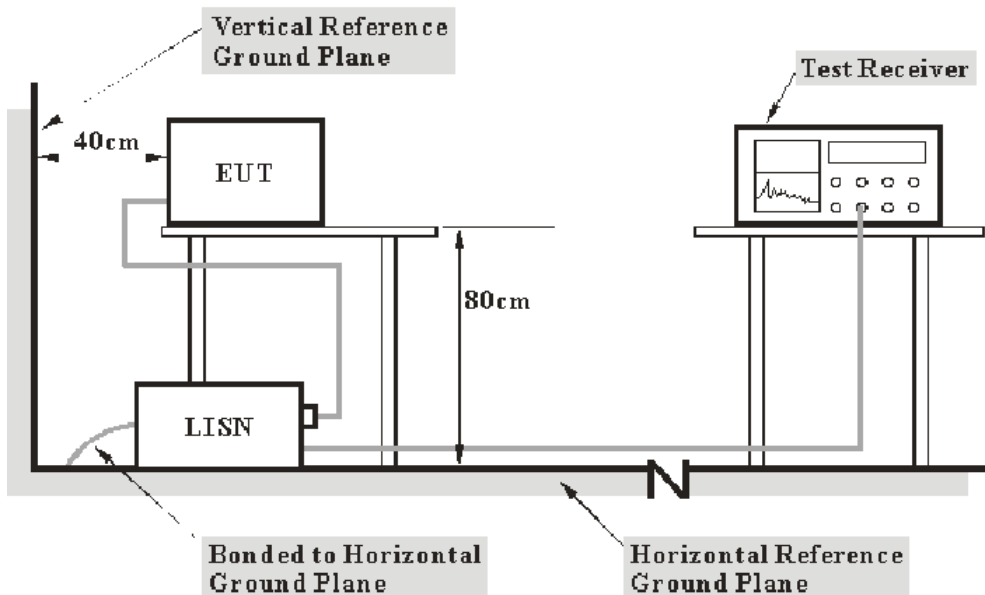
### Measurement Uncertainty

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

Based on CISPR 16-4-2:2011, the expended 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	Measurement uncertainty
AC Mains	3.26 dB (k=2, 95% level of confidence)
CAT 3	3.70 dB (k=2, 95% level of confidence)
CAT 5	3.86 dB (k=2, 95% level of confidence)
CAT 6	4.64 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 the least 80 cm from other units and other metal planes support units.



The measurement procedure of EUT setup is according with ANSI C63.4-2009. The related limit was specified in FCC Part 15.107 Class B.

The socket was connected to an AC 120V/60 Hz power source.

### 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 Procedure

During the conducted emission test, the socket was connected to the outlet of the LISN.

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.

### Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	EMI Test Receiver	ESCS30	100176	2014-06-03	2015-06-03
Rohde & Schwarz	LISN	ESH3-Z5	100113	NCR	NCR
Rohde & Schwarz	LISN	ENV216	3560.6650.12-10 1613-Yb	2014-06-09	2015-06-09
Rohde & Schwarz	Transient Limiter	ESH3Z2	DE25985	2014-05-14	2015-05-14
Rohde & Schwarz	CE Test software	EMC 32	V8.53	-	-

\* **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 Factor & Margin Calculation**

The Corrected factor is calculated by adding LISN/ISN 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:

**11.8 dB at 0.569510 MHz in the Neutral conducted mode for adapter 2**

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**

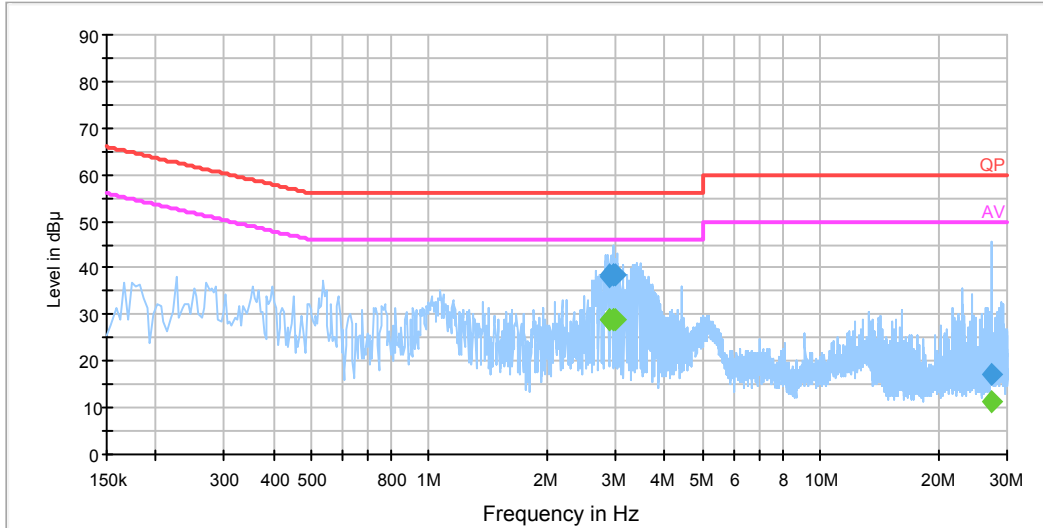
<b>Temperature:</b>	25°C
<b>Relative Humidity:</b>	53 %
<b>ATM Pressure:</b>	101.0 kPa

*The testing was performed by Webb Liu on 2014-09-02*

EUT operation mode: Talking & Ping data with PC (for adapter 1)

**AC 120V/60 Hz, Line**

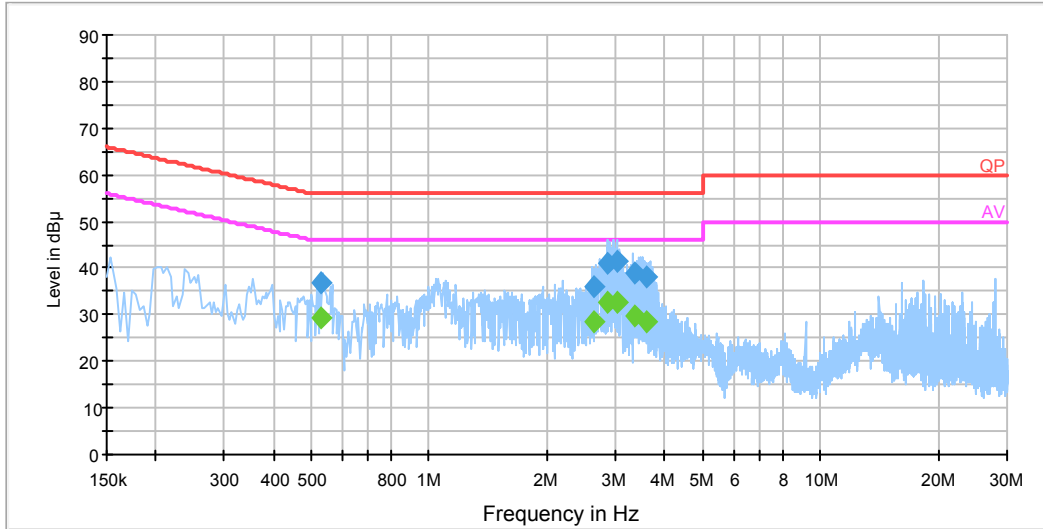
EMI Auto Test L



Frequency (MHz)	Corrected Amplitude (dBµV)	Correction Factor (dB)	Limit (dBµV)	Margin (dB)	Detector (PK/Ave./QP)
2.891010	38.4	19.6	56.0	17.6	QP
2.891010	28.9	19.6	46.0	17.1	Ave.
2.898350	38.2	19.6	56.0	17.8	QP
2.898350	28.9	19.6	46.0	17.1	Ave.
2.961570	38.6	19.7	56.0	17.4	QP
2.961570	29.0	19.7	46.0	17.0	Ave.
2.972850	38.6	19.7	56.0	17.4	QP
2.972850	29.0	19.7	46.0	17.0	Ave.
2.985270	38.5	19.7	56.0	17.5	QP
2.985270	28.8	19.7	46.0	17.2	Ave.
27.462310	17.1	20.1	60.0	42.9	QP
27.462310	11.2	20.1	50.0	38.8	Ave.

**AC 120V/60 Hz, Neutral**

EMI Auto Test N

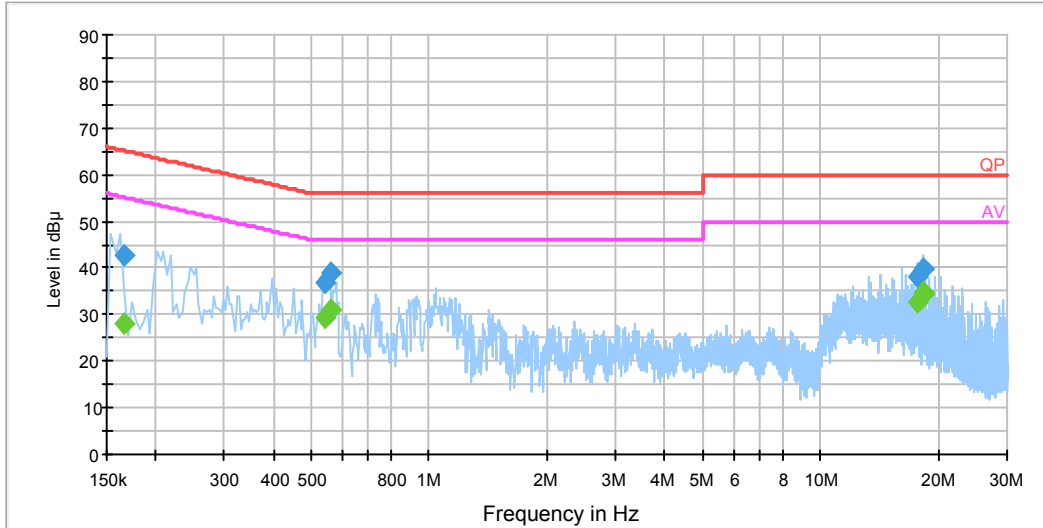


Frequency (MHz)	Corrected Amplitude (dBµV)	Correction Factor (dB)	Limit (dBµV)	Margin (dB)	Detector (PK/Ave./QP)
0.529990	36.8	19.6	56.0	19.2	QP
0.529990	29.3	19.6	46.0	16.7	Ave.
2.645090	36.0	19.7	56.0	20.0	QP
2.645090	28.3	19.7	46.0	17.7	Ave.
2.863130	41.0	19.7	56.0	15.0	QP
2.863130	32.6	19.7	46.0	13.4	Ave.
3.020850	41.3	19.7	56.0	14.7	QP
3.020850	32.8	19.7	46.0	13.2	Ave.
3.348110	38.8	19.7	56.0	17.2	QP
3.348110	29.6	19.7	46.0	16.4	Ave.
3.603130	38.1	19.7	56.0	17.9	QP
3.603130	28.5	19.7	46.0	17.5	Ave.

EUT operation mode: Talking & Ping data with PC (for adapter 2)

**AC 120V/60 Hz, Line**

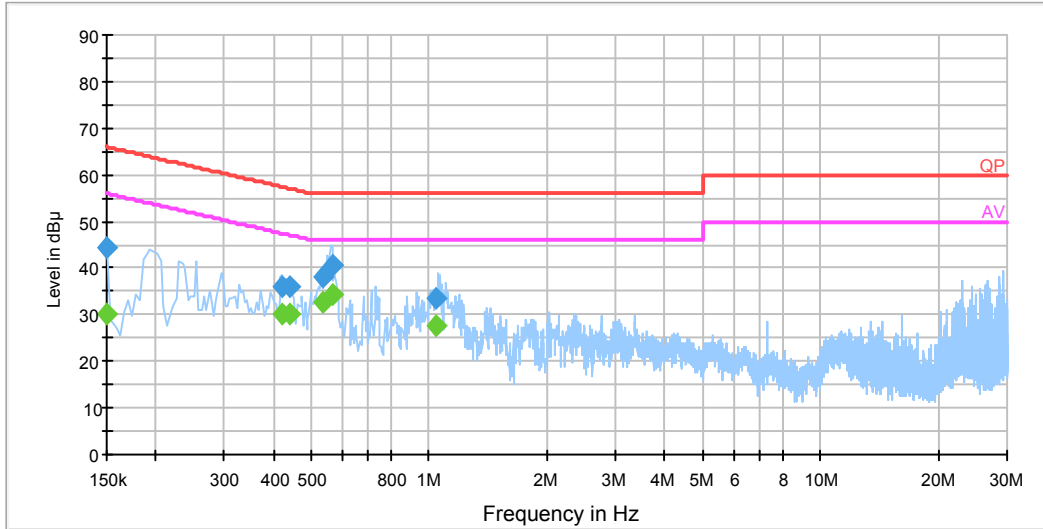
EMI Auto Test L



Frequency (MHz)	Corrected Amplitude (dBµV)	Correction Factor (dB)	Limit (dBµV)	Margin (dB)	Detector (PK/Ave./QP)
0.166501	42.6	19.6	65.1	22.6	QP
0.166501	27.9	19.6	55.1	27.2	Ave.
0.541990	36.7	19.6	56.0	19.3	QP
0.541990	29.2	19.6	46.0	16.8	Ave.
0.561630	38.9	19.6	56.0	17.1	QP
0.561630	30.8	19.6	46.0	15.2	Ave.
17.696590	38.1	19.9	60.0	21.9	QP
17.696590	32.6	19.9	50.0	17.4	Ave.
18.242510	39.9	19.9	60.0	20.1	QP
18.242510	34.7	19.9	50.0	15.3	Ave.
18.244370	39.8	19.9	60.0	20.2	QP
18.244370	34.5	19.9	50.0	15.5	Ave.

**AC 120V/60 Hz, Neutral**

EMI Auto Test N

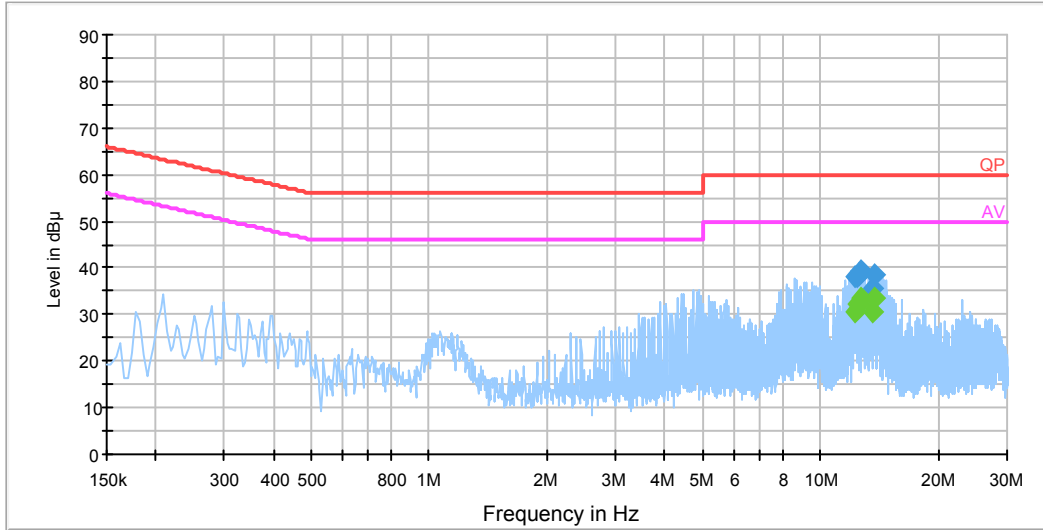


Frequency (MHz)	Corrected Amplitude (dBµV)	Correction Factor (dB)	Limit (dBµV)	Margin (dB)	Detector (PK/Ave./QP)
0.150000	44.5	19.6	66.0	21.5	QP
0.150000	30.3	19.6	56.0	25.7	Ave.
0.419670	36.0	19.6	57.5	21.4	QP
0.419670	30.2	19.6	47.5	17.2	Ave.
0.439430	35.9	19.6	57.1	21.1	QP
0.439430	30.2	19.6	47.1	16.9	Ave.
0.537950	37.9	19.6	56.0	18.1	QP
0.537950	32.7	19.6	46.0	13.3	Ave.
0.569510	40.7	19.6	56.0	15.3	QP
0.569510	34.2	19.6	46.0	11.8	Ave.
1.046130	33.4	19.5	56.0	22.6	QP
1.046130	27.7	19.5	46.0	18.3	Ave.

EUT operation mode: Talking & Ping data with PC (for PoE)

**AC 120V/60 Hz, Line**

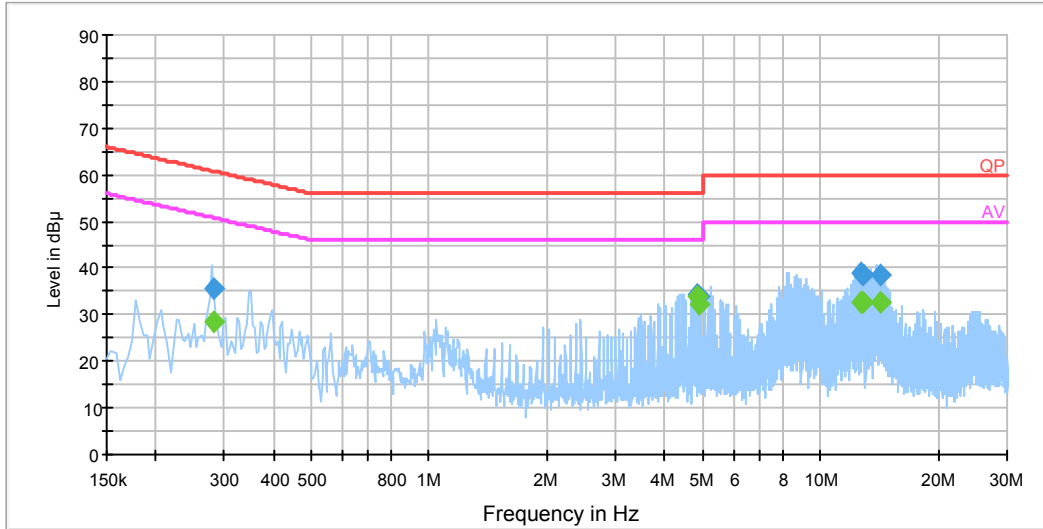
EMI Auto Test L



Frequency (MHz)	Corrected Amplitude (dBµV)	Correction Factor (dB)	Limit (dBµV)	Margin (dB)	Detector (PK/Ave./QP)
12.225530	37.9	19.7	60.0	22.1	QP
12.225530	30.5	19.7	50.0	19.5	Ave.
12.371030	38.1	19.7	60.0	21.9	QP
12.371030	32.2	19.7	50.0	17.8	Ave.
12.506410	38.7	19.7	60.0	21.3	QP
12.506410	32.3	19.7	50.0	17.7	Ave.
12.647290	39.3	19.7	60.0	20.7	QP
12.647290	33.4	19.7	50.0	16.6	Ave.
13.631570	35.7	19.8	60.0	24.3	QP
13.631570	30.4	19.8	50.0	19.6	Ave.
13.765470	38.5	19.8	60.0	21.5	QP
13.765470	33.3	19.8	50.0	16.7	Ave.

**AC 120V/60 Hz, Neutral**

EMI Auto Test N



Frequency (MHz)	Corrected Amplitude (dBµV)	Correction Factor (dB)	Limit (dBµV)	Margin (dB)	Detector (PK/Ave./QP)
0.282500	35.7	19.5	60.7	25.0	QP
0.282500	28.3	19.5	50.7	22.4	Ave.
4.820710	34.5	19.7	56.0	21.5	QP
4.820710	33.9	19.7	46.0	12.1	Ave.
4.887690	33.8	19.7	56.0	22.2	QP
4.887690	32.4	19.7	46.0	13.6	Ave.
12.713630	39.1	19.8	60.0	20.9	QP
12.713630	32.8	19.8	50.0	17.2	Ave.
12.783330	38.4	19.8	60.0	21.6	QP
12.783330	32.7	19.8	50.0	17.3	Ave.
14.250330	38.5	19.9	60.0	21.5	QP
14.250330	32.6	19.9	50.0	17.4	Ave.

Note:

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



## FCC§15.109 - RADIATED EMISSIONS

### Applicable Standard

FCC §15.109

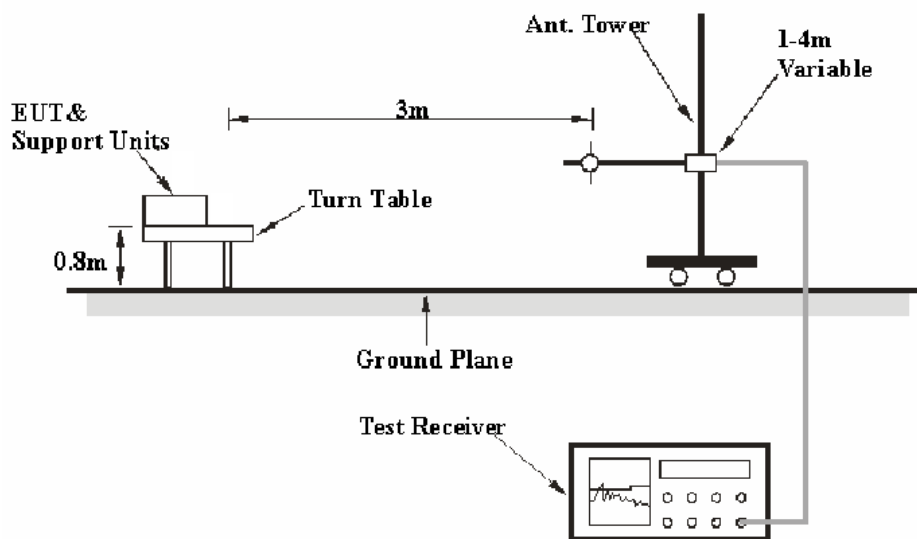
### Measurement Uncertainty

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 expended combined standard uncertainty of radiation emissions at Bay Area Compliance Laboratories Corp. (Shenzhen) is shown in below table. And the uncertainty will not be taken into consideration for the test data recorded in the report

Frequency	Polarity	Expanded Measurement uncertainty
30MHz~200MHz	Horizontal	4.62 dB (k=2, 95% level of confidence)
	Vertical	4.54 dB (k=2, 95% level of confidence)
200MHz~1GHz	Horizontal	4.84 dB (k=2, 95% level of confidence)
	Vertical	5.91 dB (k=2, 95% level of confidence)
1 GHz~6 GHz	Horizontal/Vertical	4.68 dB (k=2, 95% level of confidence)
Above 6 GHz	Horizontal/Vertical	4.92 dB (k=2, 95% level of confidence)

### EUT Setup



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2009. The related limit was specified in FCC Part 15.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

### EMI Test Receiver Setup

According to FCC 15.33 requirements, the EUT system was measured from 30 MHz to 2 GHz.

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
Above 1 GHz	1 MHz	3 MHz	-	Peak
	1 MHz	10 Hz	-	Average

### Test Procedure

During the radiated emission test, the socket was connected to the AC floor outlet.

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#	2012-10-15	2015-10-15
TDK	Chamber	Chamber B	1#	2012-11-12	2015-11-12
HP	Amplifier	HP8447E	1937A01046	2015-05-06	2015-05-06
Rohde & Schwarz	EMI Test Receiver	ESCI	101120	2013-11-12	2014-11-12
Sunol Sciences	Broadband Antenna	JB1	A040904-2	2011-11-28	2014-11-27
Rohde & Schwarz	Signal Analyzer	FSIQ26	8386001028	2013-11-12	2014-11-12
Mini	Pre-Amplifier	ZVA-183-S+	5969001149	2014-04-03	2015-04-03
A.H.System	Horn Antenna	SAS-200/571	135	2012-02-11	2015-02-10
R&S	Auto test Software	EMC32	V9.10	-	-

\* **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).

## 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 data in the following table, the EUT complied with the FCC §15.109, the worst margin reading as below:

**3.30 dB** at **600.001750 MHz** in the **30 MHz~1 GHz Talking & Ping data with PC mode** at **Vertical** polarization for PoE

## Test Data

### Environmental Conditions

<b>Temperature:</b>	25°C
<b>Relative Humidity:</b>	55 %
<b>ATM Pressure:</b>	101.0kPa

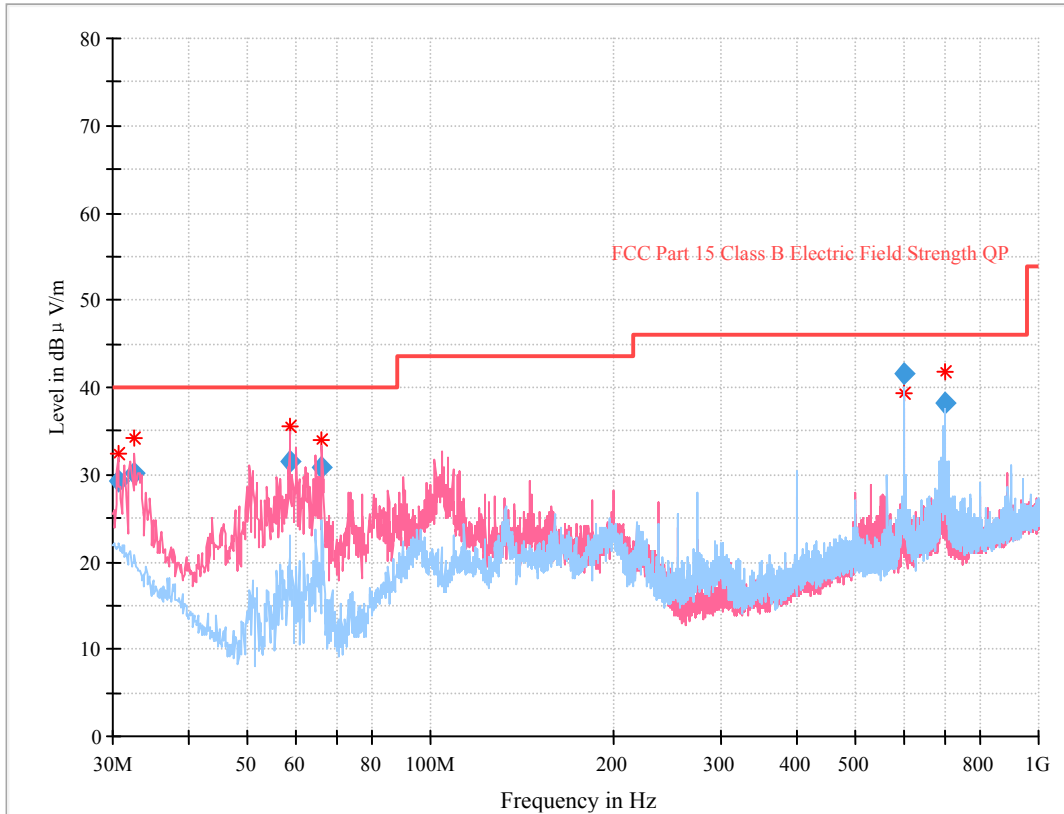
*The testing was performed by Webb Liu on 2014-09-03.*

**For adapter 1**

*EUT operation mode: Talking & Ping data with PC*

**30 MHz ~ 1000 MHz**

Full Spectrum



Frequency (MHz)	Corrected Amplitude (dBμV/m)	Antenna height (cm)	Antenna Polarity	Turntable position (deg)	Correction Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
30.618875	29.23	102.0	V	248.0	-6.4	40.00	10.77
32.589500	30.09	109.0	V	200.0	-8.1	40.00	9.91
58.716750	31.46	109.0	V	83.0	-19.9	40.00	8.54
66.313500	30.76	100.0	V	118.0	-19.6	40.00	9.24
599.989250	41.58	162.0	H	132.0	-8.4	46.00	4.42
699.974000	38.31	119.0	H	189.0	-5.5	46.00	7.69

**1 GHz ~ 2 GHz**

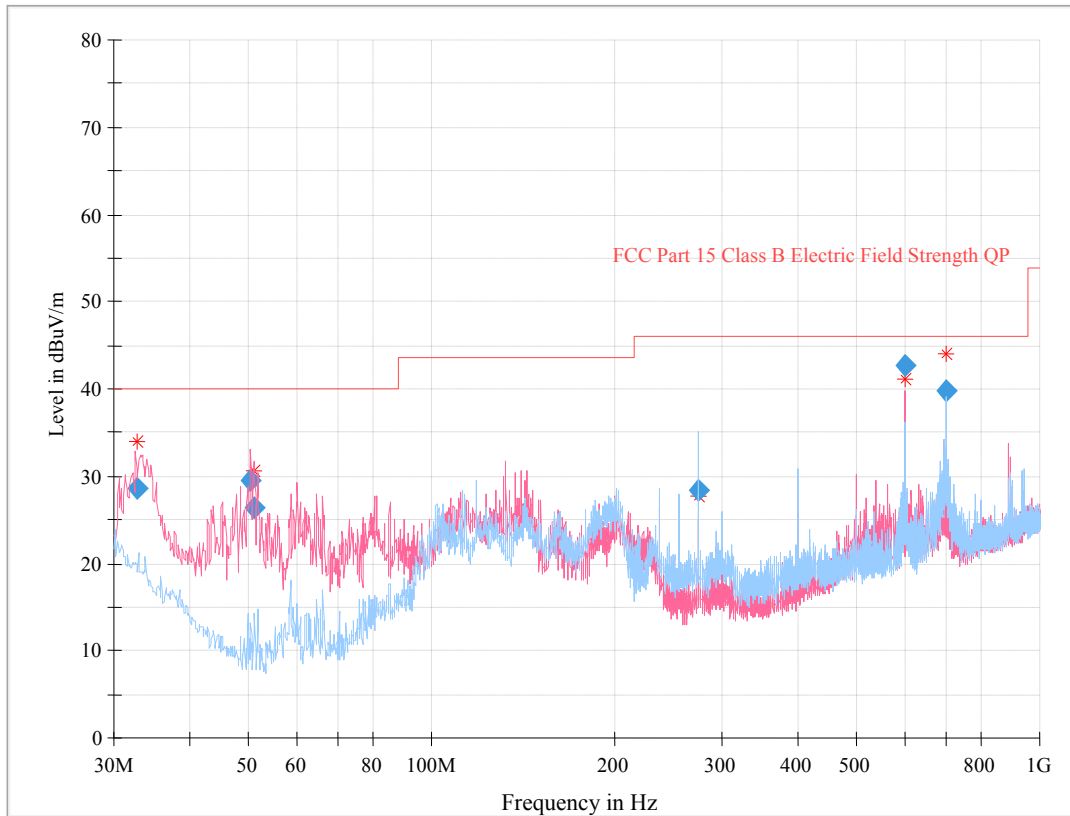
Frequency (MHz)	Reading (dB $\mu$ V)	Detector (PK/QP/Ave.)	Turntable Degree	Height (m)	Polar (H/V)	Correction Factor (dB/m)	Corrected Amplitude (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
1158.31	37.32	PK	124	1.2	H	-0.58	36.74	74	37.26
1158.31	29.39	Ave	124	1.2	H	-0.58	28.81	54	25.19
1505.01	35.07	PK	79	1.0	H	0.74	35.81	74	38.19
1505.01	25.56	Ave	79	1.0	H	0.74	26.30	54	27.70
1697.39	35.46	PK	103	1.8	H	1.77	37.23	74	36.77
1697.39	24.65	Ave	103	1.8	H	1.77	26.42	54	27.58
1344.67	38.63	PK	37	1.0	V	0.19	38.82	74	35.18
1344.67	27.83	Ave	37	1.0	V	0.19	28.02	54	25.98
1498.99	38.97	PK	81	1.2	V	0.74	39.71	74	34.29
1498.99	27.28	Ave	81	1.2	V	0.74	28.02	54	25.98
1959.92	38.56	PK	251	1.5	V	3.07	41.63	74	32.37
1959.92	31.43	Ave	251	1.5	V	3.07	34.50	54	19.50

**For adapter 2**

*EUT operation mode: Talking & Ping data with PC*

**30 MHz ~ 1000 MHz**

Full Spectrum



Frequency (MHz)	Corrected Amplitude (dBuV/m)	Antenna height (cm)	Antenna Polarity	Turntable position (deg)	Correction Factor (dB/m)	Limit (dBuV/m)	Margin (dB)
32.892500	28.67	100.0	V	223.0	-8.4	40.00	11.33
50.438750	29.54	113.0	V	37.0	-19.7	40.00	10.46
51.073750	26.41	109.0	V	147.0	-19.9	40.00	13.59
274.747500	28.44	127.0	H	337.0	-12.8	46.00	17.56
600.001750	42.70	105.0	V	277.0	-8.4	46.00	3.30
700.033625	39.86	123.0	H	216.0	-5.5	46.00	6.14

**1 GHz ~ 2 GHz**

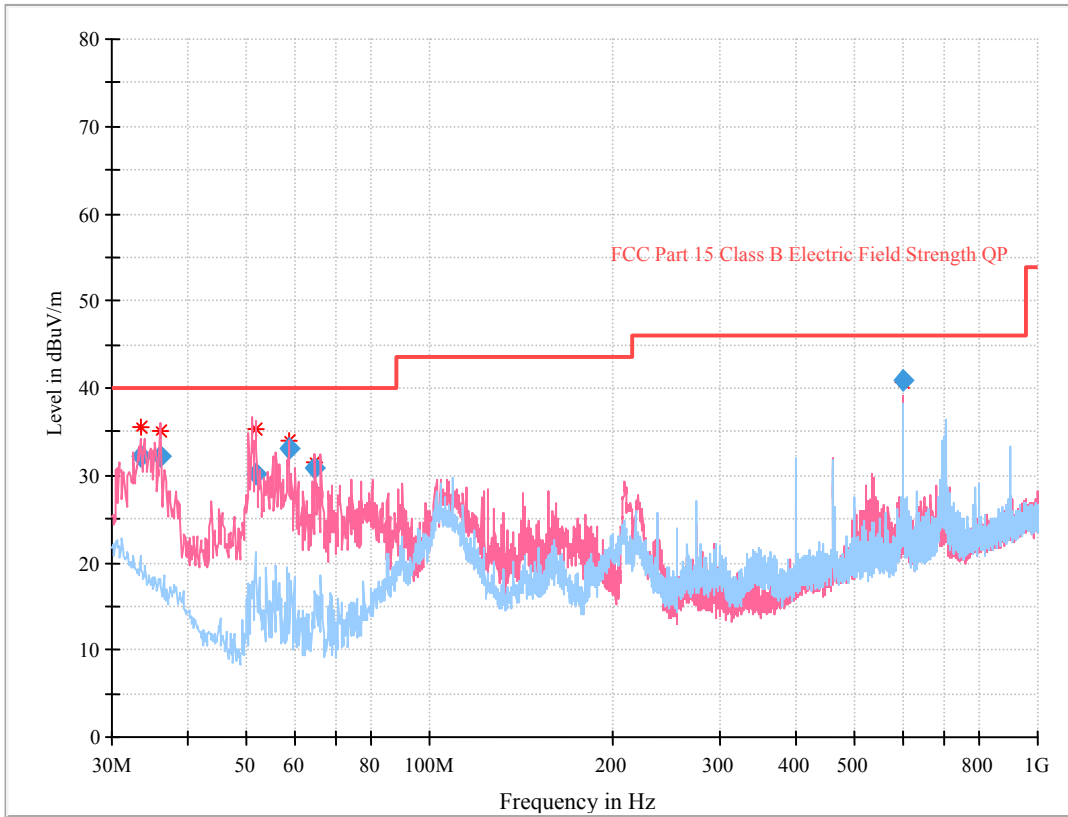
Frequency (MHz)	Reading (dB $\mu$ V)	Detector (PK/QP/Ave.)	Turntable Degree	Height (m)	Polar (H/V)	Correction Factor (dB/m)	Corrected Amplitude (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
1164.33	39.87	PK	124	1.0	H	-0.58	39.29	74	30.71
1164.33	29.28	Ave	124	1.0	H	-0.58	28.70	54	21.30
1523.04	35.35	PK	309	1.5	H	1.15	36.50	74	33.50
1523.04	26.35	Ave	309	1.5	H	1.15	27.50	54	22.50
1754.43	35.73	PK	112	1.6	H	2.24	37.97	74	32.03
1754.43	25.46	Ave	112	1.6	H	2.24	27.70	54	22.30
1168.34	39.11	PK	122	1.0	V	-0.58	38.53	74	31.47
1168.34	27.14	Ave	122	1.0	V	-0.58	26.56	54	23.44
1332.67	41.26	PK	46	1.0	V	0.19	41.45	74	28.55
1332.67	28.34	Ave	46	1.0	V	0.19	28.53	54	21.47
1501.00	39.87	PK	298	1.2	V	0.74	40.61	74	29.39
1501.00	25.92	Ave	298	1.2	V	0.74	26.66	54	23.34

**For PoE**

*EUT operation mode: Talking & Ping data with PC*

**30 MHz ~ 1000 MHz**

Full Spectrum



Frequency (MHz)	Corrected Amplitude (dBuV/m)	Antenna height (cm)	Antenna Polarity	Turntable position (deg)	Correction Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
33.486500	32.08	97.0	V	320.0	-8.9	40.00	7.92
36.150000	32.25	97.0	V	288.0	-10.9	40.00	7.75
51.762750	30.10	97.0	V	136.0	-20.1	40.00	9.90
58.732625	33.00	137.0	V	0.0	-19.9	40.00	7.00
64.791000	30.83	166.0	V	349.0	-19.8	40.00	9.17
600.026500	40.91	109.0	V	96.0	-8.4	46.00	5.09



**1 GHz ~ 2 GHz**

Frequency (MHz)	Reading (dB $\mu$ V)	Detector (PK/QP/Ave.)	Turntable Degree	Height (m)	Polar (H/V)	Correction Factor (dB/m)	Corrected Amplitude (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
1166.33	41.26	PK	134	1.2	H	-0.58	40.68	74	33.32
1166.33	38.08	Ave	134	1.2	H	-0.58	37.50	54	16.50
1374.75	43.85	PK	83	1.5	H	0.19	44.04	74	29.96
1374.75	33.03	Ave	83	1.5	H	0.19	33.22	54	20.78
1951.90	45.52	PK	101	1.3	H	2.63	48.15	74	25.85
1951.90	36.24	Ave	101	1.3	H	2.63	38.87	54	15.13
1166.33	39.16	PK	156	1.1	V	-0.58	38.58	74	35.42
1166.33	33.26	Ave	57	1.0	V	-0.58	32.68	54	21.32
1374.75	39.60	PK	83	1.1	V	0.19	39.79	74	34.21
1374.75	31.26	Ave	289	1.0	V	0.19	31.45	54	22.55
1601.20	38.58	PK	247	1.1	V	1.70	40.28	74	33.72
1601.20	30.06	Ave	97	1.1	V	1.70	31.76	54	22.24

Note:

- 1) Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain
- 2) Corrected Amplitude = Meter Reading + Correction Factor
- 3) Margin = Limit – Corrected Amplitude

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