

FCC PART 15 B, CLASS B
TEST REPORT

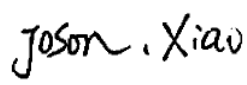
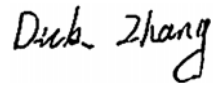
For

Yealink (Xiamen) Network Technology Co., Ltd.

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Xiamen, Fujian, China

FCC ID: T2C-T41P

Report Type: Original Report	Product Type: IP Phone
Test Engineer: Joson Xiao 	
Report Number: RSZ130607001-00	
Report Date: 2013-07-12	
Reviewed By: Dick Zhang  EMC Leader	
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The Yealink (Xiamen) Network Technology Co., Ltd.'s product, model number: *SIP-T41P (FCC ID: T2C-T41P)* or the "EUT" in this report is an *IP Phone*, which was measured approximately: 18.0 cm (L) x 20.5 cm (W) x 17.0 cm (H), rated input voltage: DC 5V from adapter or PoE 48V power. The highest operating frequency is 200 MHz.

Adapter 1 information:

Model: OH-1048A0501200U2

Input: AC 100-240V, 50/60Hz, 250mA

Output: DC 5V, 1.2A

Adapter 2 information:

Model: OH-1006B0501200U-UL

Input: AC 100-240V, 50/60Hz, 250mA

Output: DC 5V, 1.2A

Adapter 3 information:

Model: NSA6EU-050120

Input: AC 100-240V, 50/60Hz, 0.2A

Output: DC 5V, 1.2A

**All measurement and test data in this report was gathered from production sample serial number: 1306009 (Assigned by BACL, Shenzhen). The EUT supplied by applicable was received on 2013-06-07.*

Objective

This test report is prepared on behalf of Yealink (Xiamen) Network Technology Co., Ltd. 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 15B, Class B.

Related Submittal(s)/Grant(s)

No related submittal(s)

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 C63.4-2003.

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

Description of Test Configuration

The system was configured for testing in a manufacturer testing fashion.

EUT Exercise Software

No exercise software was used.

Equipment Modifications

No modification was made to the EUT.

Support Equipment List and Details

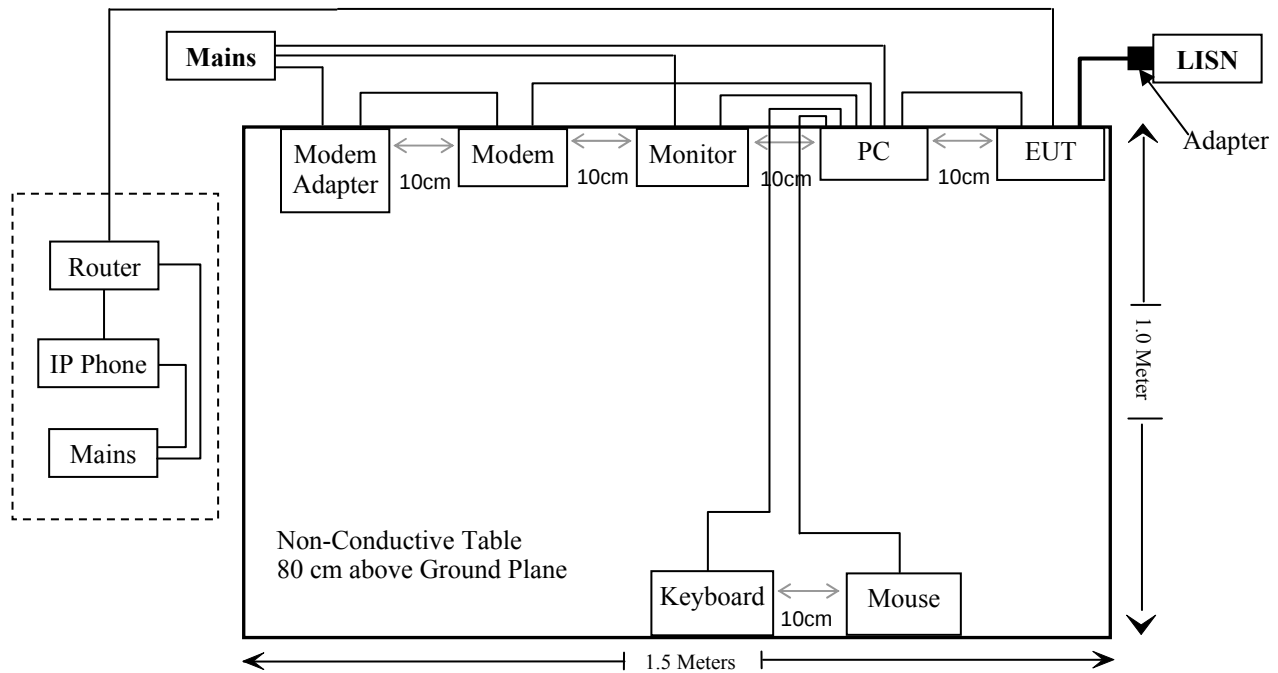
Manufacturer	Description	Model	Serial Number
DELL	PC	127BPX2	N/A
DELL	Monitor	E178WFPC	CN-OWY564-64180-7C4-2SQH
DELL	Mouse	MOC5UO	G1B0096D
DELL	Keyboard	L100	CNORH656658907BL04TY
Sagemcom	Router	N/A	N/A
Yealink	IP phone	T26	N/A
ECOM	Modem	5600pbs	N/A
NETGEAR	Prosafe 8 port 10/100 switch with 4 port POE	FS108P	272-10168-02

External I/O Cable

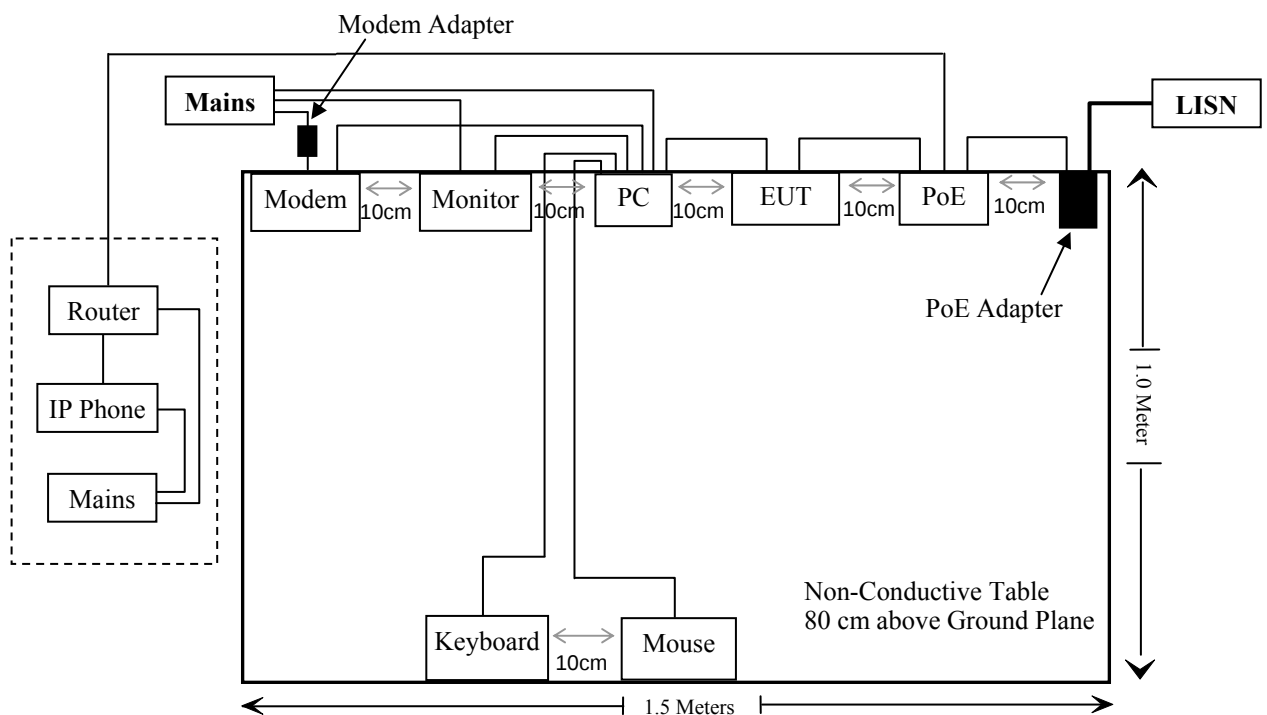
Cable Description	Length (m)	From/Port	To
Shielded Undetachable K/B Cable	1.5	K/B	PC
Shielded Undetachable Mouse Cable	1.5	Mouse	PC
Shielded Undetachable VGA Cable	1.5	Monitor	PC
Unshielded Detachable AC Cable	1.0	Mains	Monitor
Unshielded Detachable RS232 Cable	1.5	Modem	PC
Unshielded Detachable RJ45 Cable	1.5	EUT	PC
Unshielded Detachable DC Cable	1.8	Adapter	EUT
Unshielded Detachable AC Cable	1.0	Mains	PC
Unshielded Detachable RJ45 Cable	10	EUT	Router
Unshielded Detachable DC Cable	1.5	Mains	Router
Unshielded Detachable DC Cable	1.8	Mains	IP Phone
Unshielded Detachable RJ45 Cable	1.5	Router	IP Phone
Unshielded Detachable DC Cable	1.5	Modem Adapter	Modem
Unshielded Detachable AC Cable	1.5	Modem Adapter	Mains
Unshielded Detachable RJ45 Cable	1.5	EUT	PoE

Block Diagram of Test Setup

1) Adapter power supply:



2) PoE power supply:



SUMMARY OF TEST RESULTS

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

FCC §15.107 – AC LINE CONDUCTED EMISSIONS

Applicable Standard

According to FCC §15.107

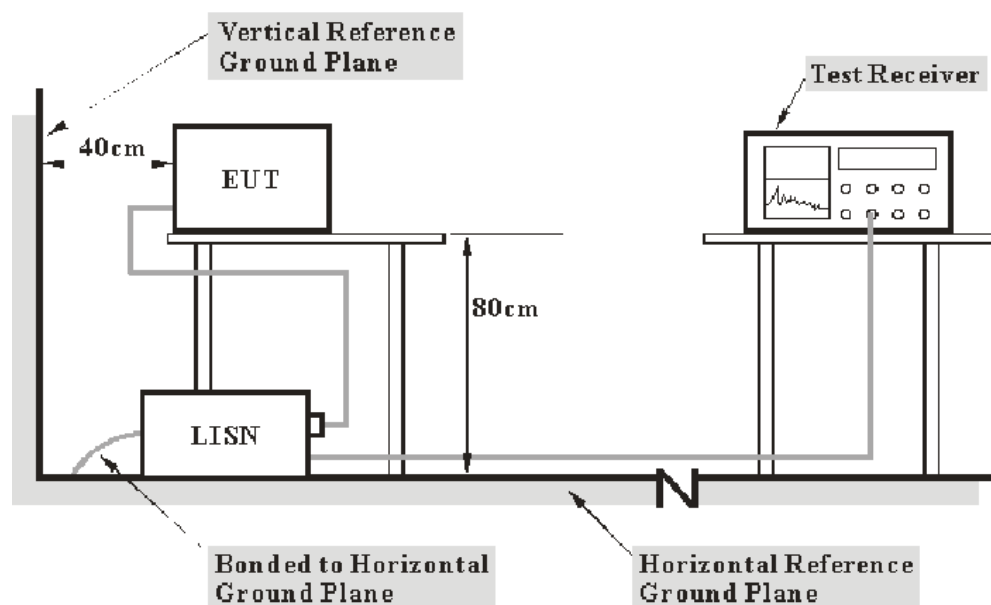
Measurement Uncertainty

Input quantities to be considered for conducted disturbance measurements maybe receiver reading, attenuation of the connection between AMN/ISN and receiver, AMN/ISN voltage division factor, AMN/ISN 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 per ANSI C63.4-2003. The related limit was specified in FCC Part 15.107 Class B.

The spacing between the peripherals was 10 cm.

The adapter was connected to a 120 VAC/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

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

All 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	2013-06-17	2014-06-17
Rohde & Schwarz	LISN	ESH2-Z5	892107/021	2012-08-22	2013-08-21
Rohde & Schwarz	LISN	ENV216	3560.6650.12-101613-Yb	2013-05-07	2014-05-07
Rohde & Schwarz	Transient Limiter	ESH3Z2	DE25985	2012-08-09	2013-08-09

* **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 Factor & Margin Calculation

The Corrected factor is calculated by adding LISN/ISN VDF (Voltage Division Factor), Cable Loss and Pulse 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, with the worst margin reading of:

4.5 dB at 0.394000 MHz in the Line conducted mode (Powered by Adapter 1)

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

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

In BACL, $U_{(Lm)}$ 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:	25 °C
Relative Humidity:	56 %
ATM Pressure:	100.0 kPa

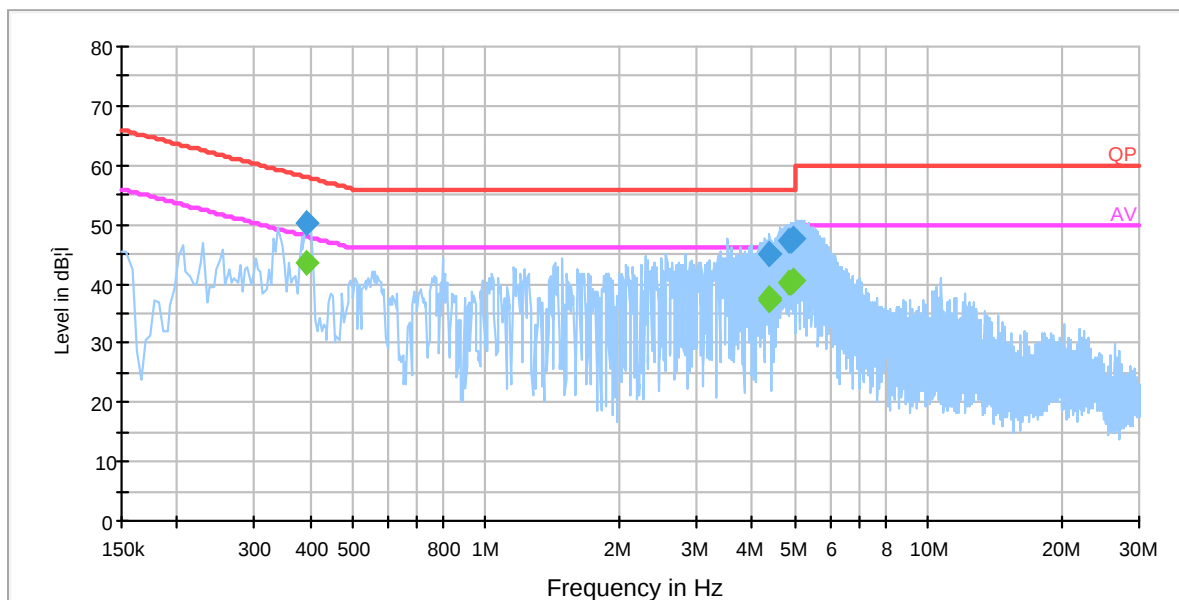
The testing was performed by Joson Xiao on 2013-07-09.

Test Mode: Talking

1) Adapter 1 power supply:

AC 120V/60 Hz, Line

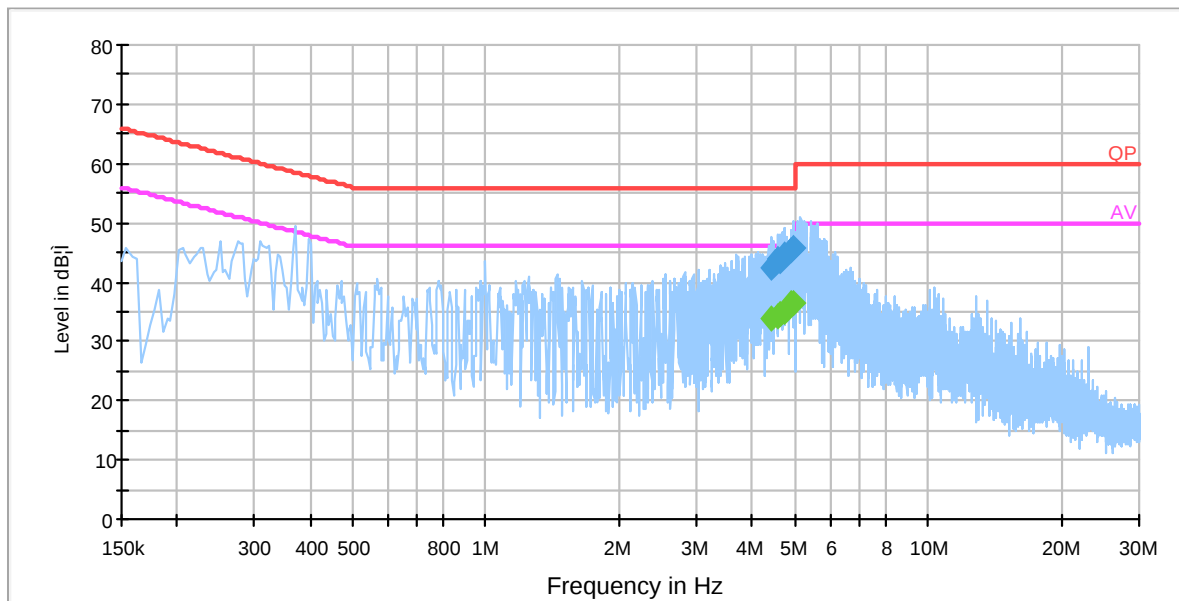
EMI Auto Test L



Frequency (MHz)	Corrected Amplitude (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/Ave./QP)
0.394000	50.1	19.5	58.0	7.9	QP
4.350000	44.9	19.6	56.0	11.1	QP
4.382000	45.1	19.6	56.0	10.9	QP
4.834000	47.3	19.6	56.0	8.7	QP
4.882000	47.4	19.6	56.0	8.6	QP
4.974000	47.4	19.6	56.0	8.6	QP
0.394000	43.5	19.5	48.0	4.5	Ave.
4.350000	37.1	19.6	46.0	8.9	Ave.
4.382000	37.4	19.6	46.0	8.6	Ave.
4.834000	40.3	19.6	46.0	5.7	Ave.
4.882000	40.2	19.6	46.0	5.8	Ave.
4.974000	40.7	19.6	46.0	5.3	Ave.

AC 120V/60 Hz, Neutral

EMI Auto Test N

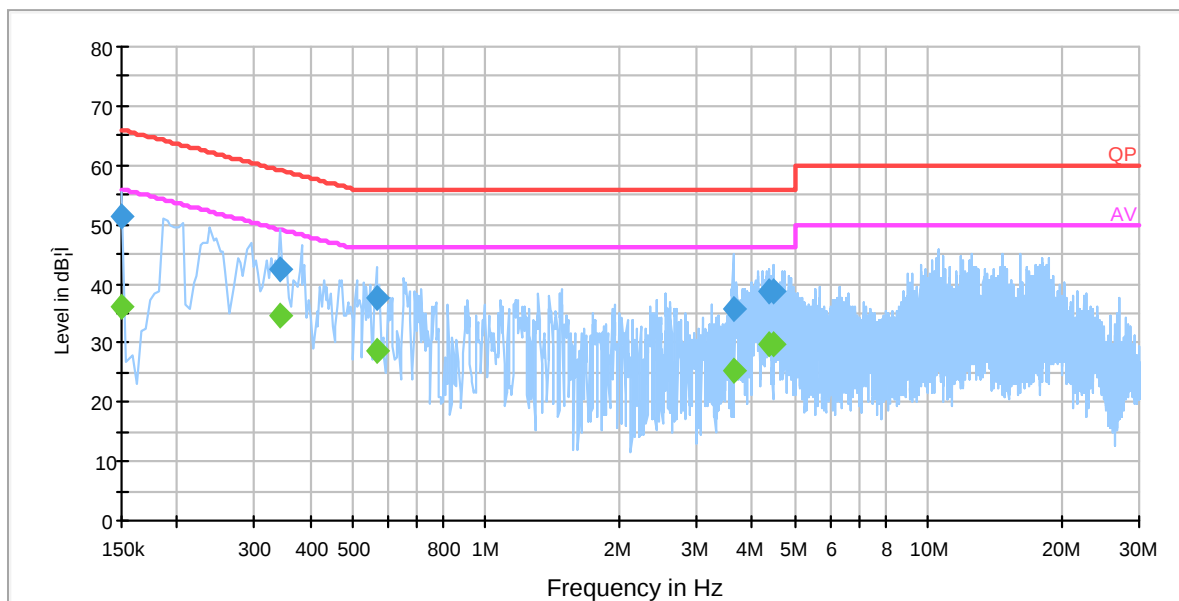


Frequency (MHz)	Corrected Amplitude (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/Ave./QP)
4.442000	42.6	19.7	56.0	13.4	QP
4.566000	43.8	19.7	56.0	12.2	QP
4.606000	43.6	19.7	56.0	12.4	QP
4.726000	44.6	19.7	56.0	11.4	QP
4.890000	45.6	19.7	56.0	10.4	QP
4.978000	45.8	19.7	56.0	10.2	QP
4.442000	33.7	19.7	46.0	12.3	Ave.
4.566000	34.2	19.7	46.0	11.8	Ave.
4.606000	34.7	19.7	46.0	11.3	Ave.
4.726000	35.0	19.7	46.0	11.0	Ave.
4.890000	36.5	19.7	46.0	9.5	Ave.
4.978000	36.4	19.7	46.0	9.6	Ave.

2) Adapter 2 power supply:

AC 120V/60 Hz, Line

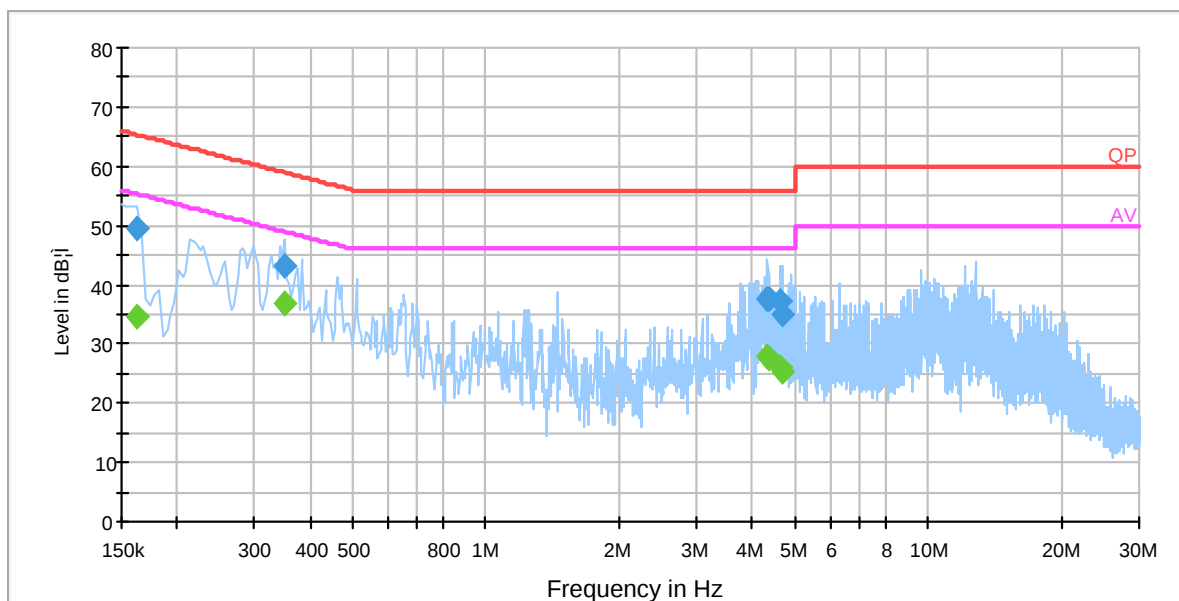
EMI Auto Test L



Frequency (MHz)	Corrected Amplitude (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/Ave./QP)
0.150000	51.2	19.5	66.0	14.8	QP
0.342000	42.5	19.5	59.2	16.7	QP
0.566000	37.4	19.5	56.0	18.6	QP
3.618000	35.6	19.6	56.0	20.4	QP
4.382000	38.7	19.6	56.0	17.3	QP
4.470000	38.8	19.6	56.0	17.2	QP
0.150000	36.0	19.5	56.0	20.0	Ave.
0.342000	34.5	19.5	49.2	14.7	Ave.
0.566000	28.8	19.5	46.0	17.2	Ave.
3.618000	25.1	19.6	46.0	20.9	Ave.
4.382000	29.8	19.6	46.0	16.2	Ave.
4.470000	29.9	19.6	46.0	16.1	Ave.

AC 120V/60 Hz, Neutral

EMI Auto Test N

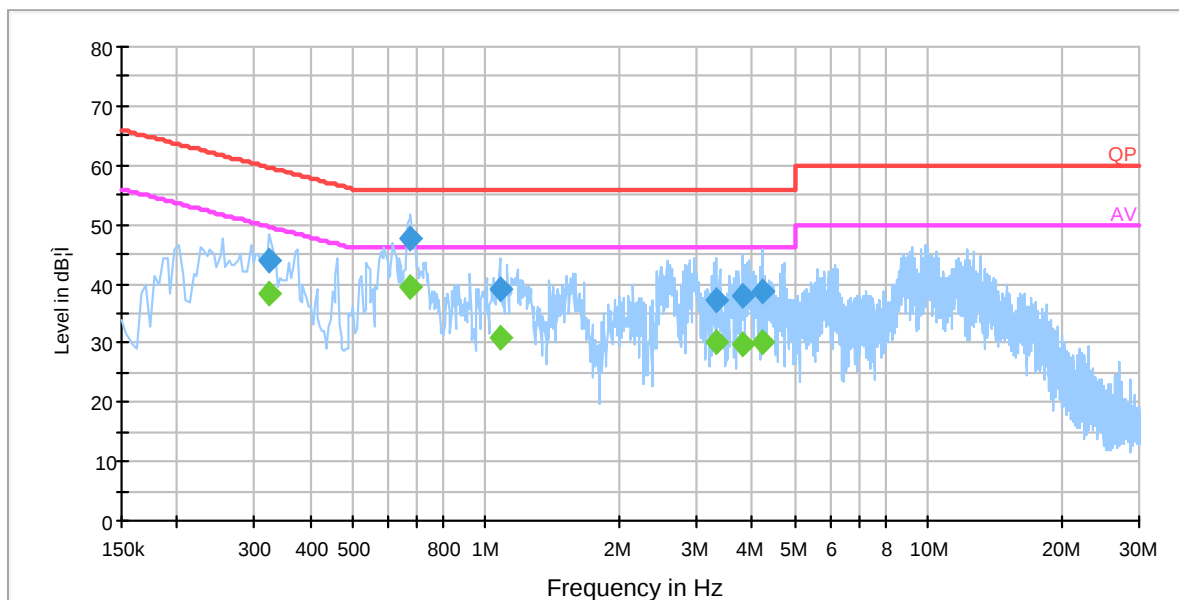


Frequency (MHz)	Corrected Amplitude (dBµV)	Correction Factor (dB)	Limit (dBµV)	Margin (dB)	Detector (PK/Ave./QP)
0.162000	49.5	19.5	65.4	15.9	QP
0.350000	43.2	19.5	59.0	15.8	QP
4.342000	37.7	19.7	56.0	18.3	QP
4.386000	37.8	19.7	56.0	18.2	QP
4.650000	37.0	19.7	56.0	19.0	QP
4.702000	35.0	19.7	56.0	21.0	QP
0.162000	34.4	19.5	55.4	21.0	Ave.
0.350000	36.8	19.5	49.0	12.2	Ave.
4.342000	27.9	19.7	46.0	18.1	Ave.
4.386000	27.6	19.7	46.0	18.4	Ave.
4.650000	26.2	19.7	46.0	19.8	Ave.
4.702000	25.3	19.7	46.0	20.7	Ave.

3) Adapter 3 power supply:

AC 120V/60 Hz, Line

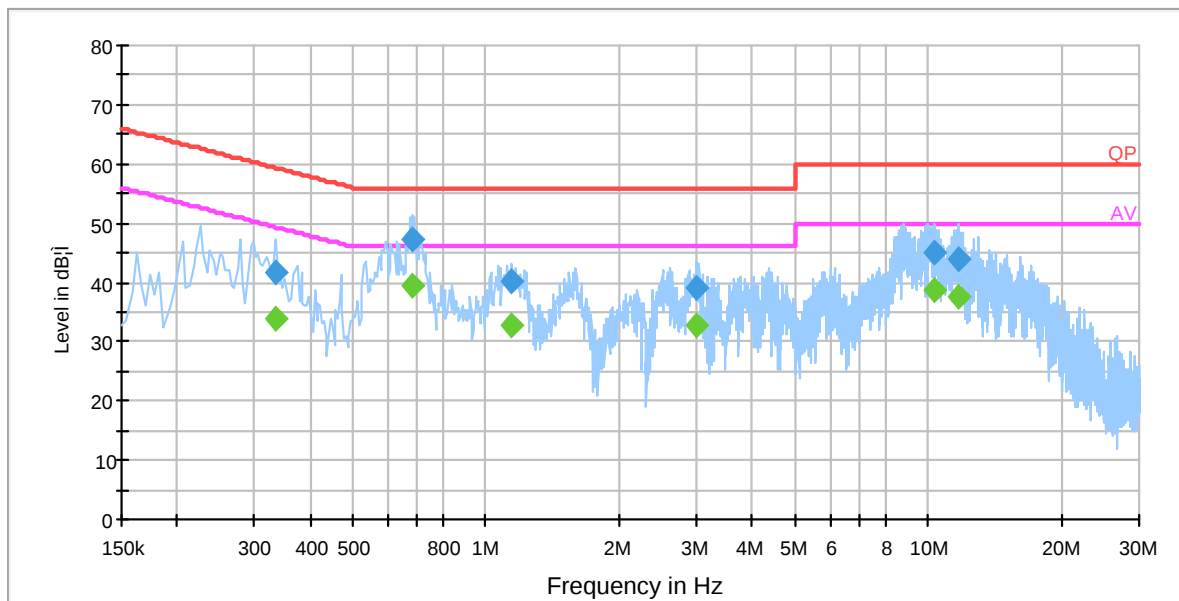
EMI Auto Test L



Frequency (MHz)	Corrected Amplitude (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/Ave./QP)
0.322000	44.0	19.5	59.7	15.7	QP
0.674000	47.7	19.5	56.0	8.3	QP
1.074000	39.2	19.5	56.0	16.8	QP
3.318000	37.1	19.6	56.0	18.9	QP
3.806000	38.0	19.6	56.0	18.0	QP
4.222000	38.8	19.6	56.0	17.2	QP
0.322000	38.2	19.5	49.7	11.5	Ave.
0.674000	39.4	19.5	46.0	6.6	Ave.
1.074000	31.0	19.5	46.0	15.0	Ave.
3.318000	30.1	19.6	46.0	15.9	Ave.
3.806000	29.8	19.6	46.0	16.2	Ave.
4.222000	30.1	19.6	46.0	15.9	Ave.

AC 120V/60 Hz, Neutral

EMI Auto Test N

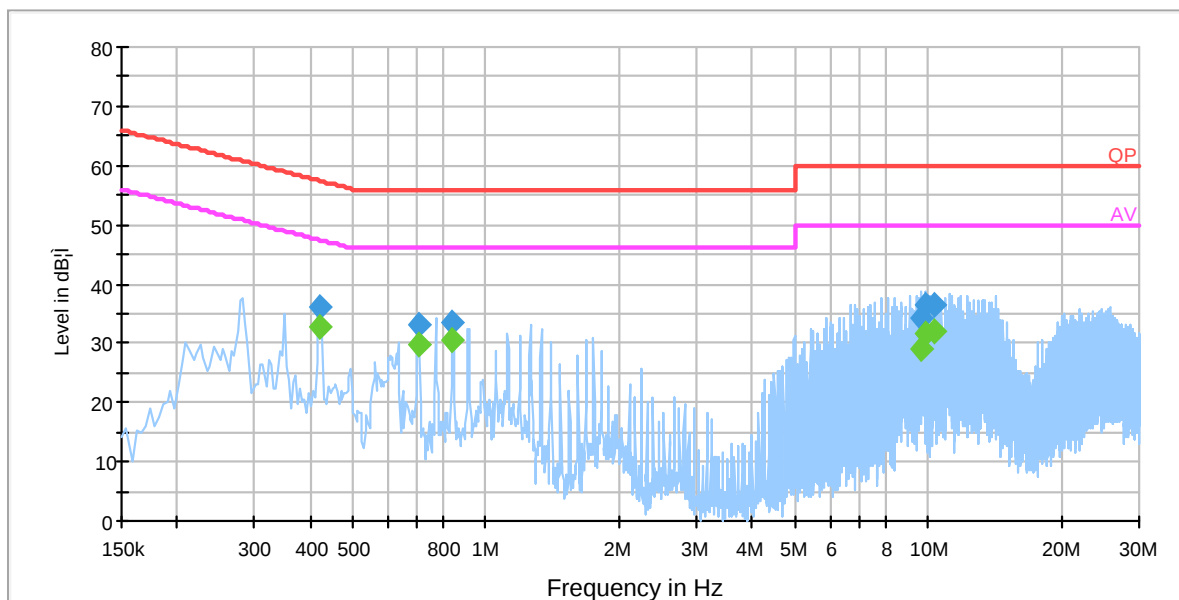


Frequency (MHz)	Corrected Amplitude (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/Ave./QP)
0.334000	41.5	19.5	59.4	17.9	QP
0.682000	47.3	19.5	56.0	8.7	QP
1.146000	40.2	19.5	56.0	15.8	QP
2.982000	39.0	19.6	56.0	17.0	QP
10.290000	44.9	19.9	60.0	15.1	QP
11.742000	44.1	19.9	60.0	15.9	QP
0.334000	33.7	19.5	49.4	15.7	Ave.
0.682000	39.6	19.5	46.0	6.4	Ave.
1.146000	32.7	19.5	46.0	13.3	Ave.
2.982000	32.8	19.6	46.0	13.2	Ave.
10.290000	38.6	19.9	50.0	11.4	Ave.
11.742000	37.7	19.9	50.0	12.3	Ave.

4) PoE power supply:

AC 120V/60 Hz, Line

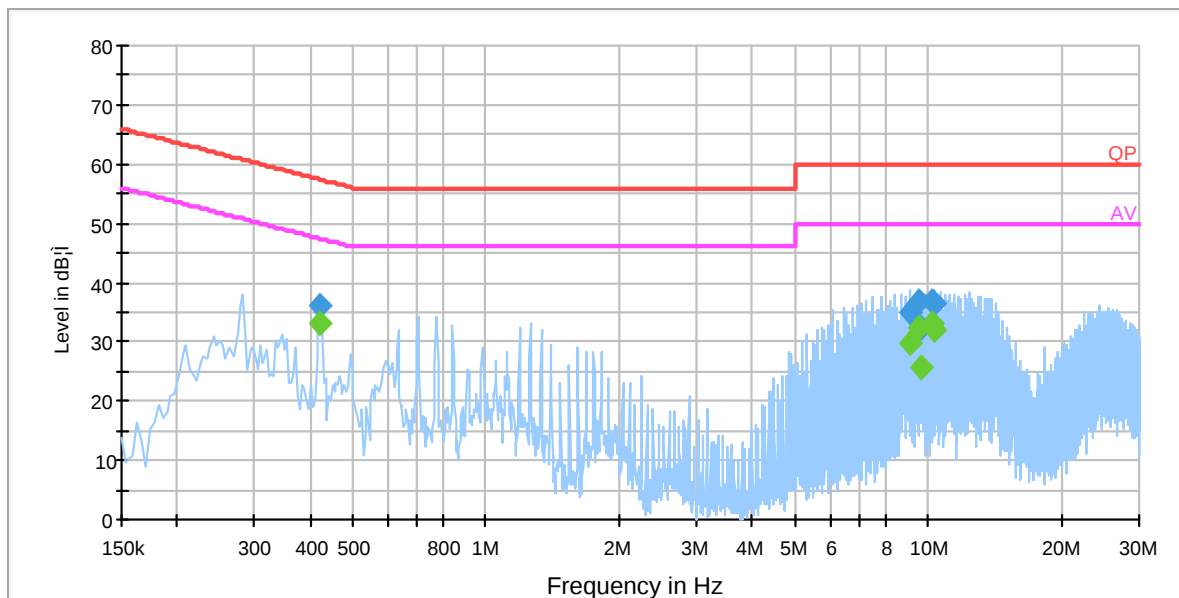
EMI Auto Test L



Frequency (MHz)	Corrected Amplitude (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/Ave./QP)
0.422000	36.0	19.6	57.4	21.4	QP
0.702000	33.0	19.6	56.0	23.0	QP
0.842000	33.5	19.6	56.0	22.5	QP
9.686000	34.3	19.9	60.0	25.7	QP
9.830000	36.4	19.9	60.0	23.6	QP
10.322000	36.5	19.9	60.0	23.5	QP
0.422000	32.9	19.6	47.4	14.5	Ave.
0.702000	29.9	19.6	46.0	16.1	Ave.
0.842000	30.5	19.6	46.0	15.5	Ave.
9.686000	29.2	19.9	50.0	20.8	Ave.
9.830000	31.5	19.9	50.0	18.5	Ave.
10.322000	32.2	19.9	50.0	17.8	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)
0.422000	36.1	19.6	57.4	21.3	QP
9.122000	34.9	20.0	60.0	25.1	QP
9.546000	36.8	20.0	60.0	23.2	QP
9.682000	32.2	20.0	60.0	27.8	QP
10.178000	36.9	20.0	60.0	23.1	QP
10.318000	36.4	20.0	60.0	23.6	QP
0.422000	33.1	19.6	47.4	14.3	Ave.
9.122000	29.9	20.0	50.0	20.1	Ave.
9.546000	32.3	20.0	50.0	17.7	Ave.
9.682000	25.8	20.0	50.0	24.2	Ave.
10.178000	32.9	20.0	50.0	17.1	Ave.
0.422000	33.1	20.0	50.0	17.9	Ave.

FCC §15.109 - RADIATED SPURIOUS EMISSIONS

Applicable Standard

According to FCC §15.109

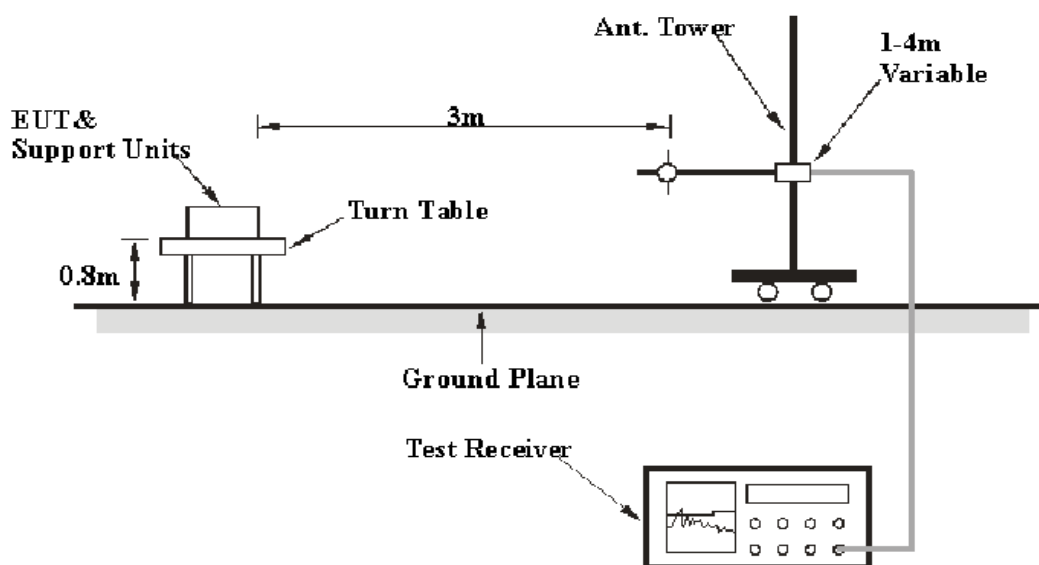
Measurement Uncertainty

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 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	Measurement uncertainty
30 MHz~200 MHz	Horizontal	4.62 dB (k=2, 95% level of confidence)
	Vertical	4.54 dB (k=2, 95% level of confidence)
200 MHz~1 GHz	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 C63.4-2003. The specification used was the FCC Part 15.109 Class B limits.

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

The spacing between the peripherals was 10 cm.

The adapter was connected to a 120 VAC/60 Hz power source.

EMI Test Receiver Setup

The system was investigated from 30 MHz to 2 GHz.

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

Frequency Range	RBW	Video B/W	IF B/W	Detector
30 MHz – 1000 MHz	120 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1MHz	3 MHz	/	PK
	1MHz	10 Hz	/	Ave.

Test Procedure

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

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz-1 GHz and peak and Average detection modes for frequencies above 1 GHz.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
HP	Pre-amplifier	8447E	1937A01046	2012-11-24	2013-11-23
Rohde & Schwarz	EMI Test Receiver	ESCI	101122	2013-05-09	2014-05-09
Sunol Sciences	Broadband Antenna	JB1	A040904-2	2011-11-28	2014-11-27
Rohde & Schwarz	Signal Analyzer	FSIQ26	8386001028	2012-11-24	2013-11-23
Super Ultra	Pre-Amplifier	ZVA-213+	N/A	2012-11-24	2013-11-23
Sunol Sciences	Horn Antenna	DRH-118	A052304	2011-12-01	2014-11-30
R&S	Auto test Software	EMC32	V6.30	-	-

* **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 7 dB 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 data in the following table, with the worst margin reading of:

2.5 dB at 66.257500 MHz in the Vertical polarization (Powered by adapter 3)

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

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

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:	25°C
Relative Humidity:	56 %
ATM Pressure:	100.0 kPa

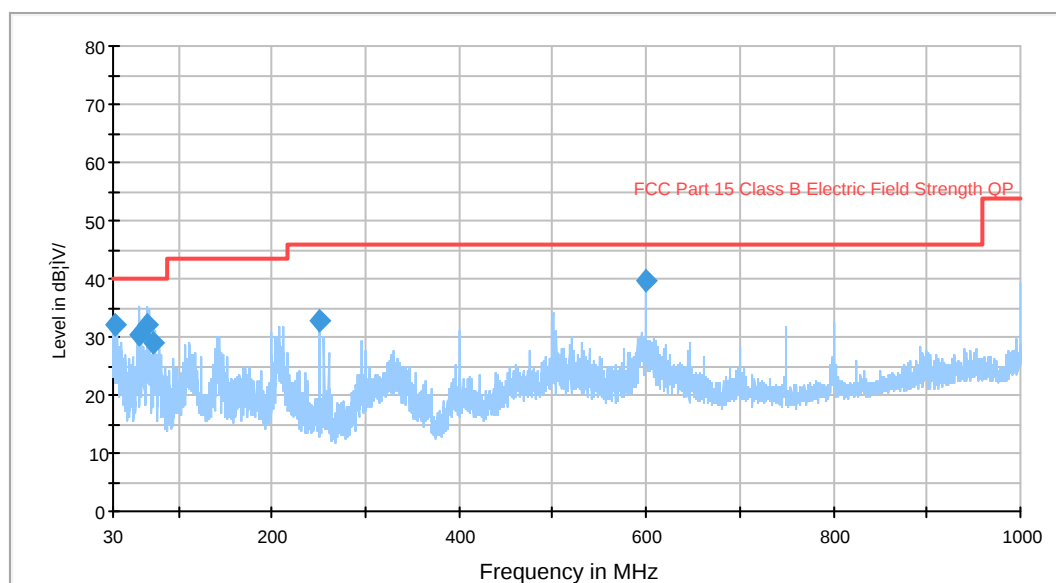
The testing was performed by Joson Xiao on 2013-07-09.

Test mode: Talking

1) Adapter 1 power supply:

Below 1 GHz:

Auto Test(FCC part 15 Class B)



Frequency (MHz)	Corrected Amplitude (dBµV/m)	Antenna Height (cm)	Antenna Polarity (H/V)	Turntable Position (degree)	Correction Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
32.600850	32.0	103.0	V	226.0	-8.9	40.0	8.0
58.243150	30.3	101.0	V	0.0	-20.8	40.0	9.7
66.314500	31.9	109.0	V	100.0	-20.6	40.0	8.1
73.193350	29.0	110.0	V	0.0	-20.4	40.0	11.0
250.068750	32.7	135.0	V	125.0	-15.8	46.0	13.3
600.008000	39.8	100.0	V	48.0	-9.4	46.0	6.2

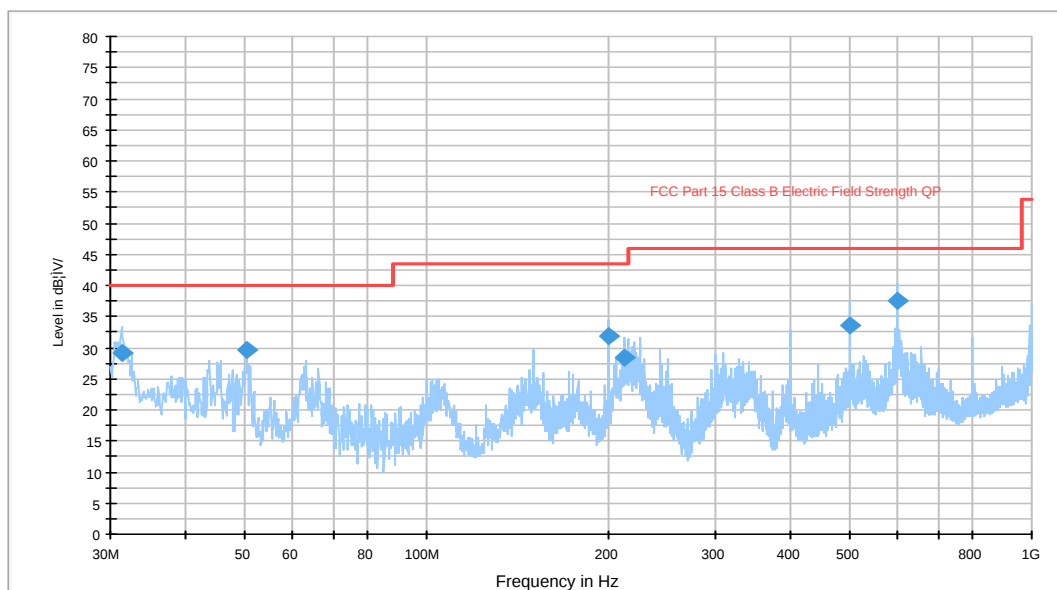
Above 1 GHz:

Frequency (MHz)	Receiver		Turntable Degree	Rx Antenna		Correction Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/Ave.)		Height (m)	Polar (H/V)				
1304.6	47.37	PK	189	1.3	V	0.19	47.56	74	26.44
1304.6	39.05	Ave.	189	1.3	V	0.19	39.24	54	14.76
1597.1	44.36	PK	304	1.5	V	1.70	46.06	74	27.94
1597.1	38.82	Ave.	304	1.5	V	1.70	40.52	54	13.48
1829.6	46.92	PK	66	1.4	V	2.63	49.55	74	24.45
1829.6	34.69	Ave.	66	1.4	V	2.63	37.32	54	16.68

2) Adapter 2 power supply:

Below 1 GHz:

Auto Test(FCC part 15 Class B)



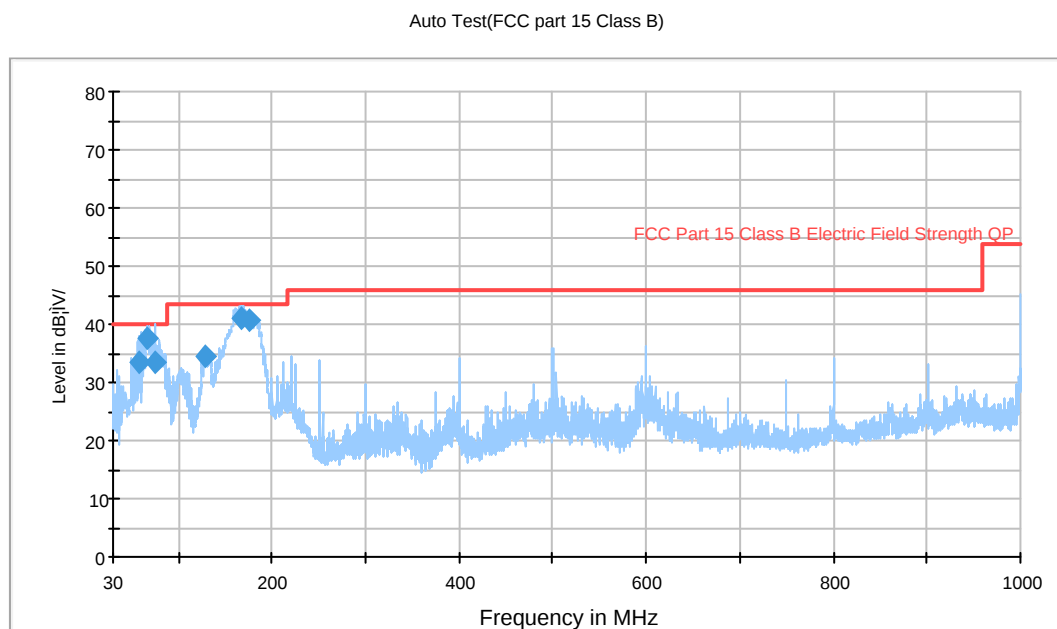
Frequency (MHz)	Corrected Amplitude (dBμV/m)	Antenna Height (cm)	Antenna Polarity (H/V)	Turntable Position (degree)	Correction Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
31.459450	29.1	98.0	V	197.0	-7.9	40.0	10.9
50.445450	29.7	98.0	V	37.0	-20.3	40.0	10.3
199.996400	31.8	98.0	V	235.0	-15.1	43.5	11.7
212.494500	28.5	98.0	H	146.0	-16.5	43.5	15.0
500.024000	33.6	98.0	H	158.0	-10.1	46.0	12.4
600.028500	37.6	133.0	V	221.0	-9.4	46.0	8.4

Above 1 GHz:

Frequency (MHz)	Receiver		Turntable Degree	Rx Antenna		Correction Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector (PK/QP/Ave.)		Height (m)	Polar (H/V)				
1166.3	48.36	PK	147	1.3	H	0.13	48.49	74	25.51
1166.3	36.24	Ave.	147	1.3	H	0.13	36.37	54	17.63
1402.8	46.78	PK	264	1.2	V	0.68	47.46	74	26.54
1402.8	39.50	Ave.	264	1.2	V	0.68	40.18	54	13.82
1815.6	49.07	PK	33	1.3	V	2.63	51.70	74	22.30
1815.6	35.75	Ave.	33	1.3	V	2.63	38.38	54	15.62

3) Adapter 3 power supply:

Below 1 GHz:



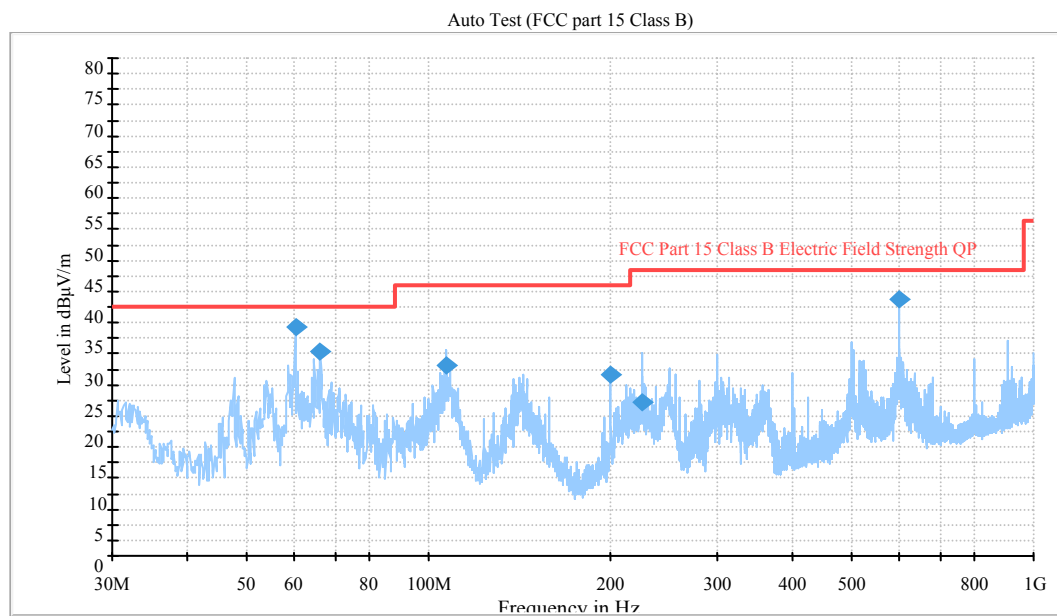
Frequency (MHz)	Corrected Amplitude (dBµV/m)	Antenna Height (cm)	Antenna Polarity (H/V)	Turntable Position (degree)	Correction Factor (dB/m)	Limit (dBµV/m)	Margin (dB)
58.729350	33.4	100.0	V	0.0	-20.8	40.0	6.6
66.257500	37.5	100.0	V	90.0	-20.6	40.0	2.5*
74.562650	33.5	116.0	V	24.0	-20.2	40.0	6.5
127.727500	34.4	135.0	V	22.0	-13.3	43.5	9.1
166.510750	41.0	100.0	V	40.0	-15.3	43.5	2.5*
174.553800	40.6	100.0	V	35.0	-16.0	43.5	2.9*

Above 1 GHz:

Frequency (MHz)	Receiver		Turntable Degree	Rx Antenna		Correction Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/Ave.)		Height (m)	Polar (H/V)				
1400.8	47.54	PK	159	1.2	V	0.68	48.22	74	25.78
1400.8	38.21	Ave.	159	1.2	V	0.68	38.89	54	15.11
1737.4	43.58	PK	131	1.4	H	2.32	45.90	74	28.10
1737.4	38.94	Ave.	131	1.4	H	2.32	41.26	54	12.74
1801.6	50.19	PK	301	1.3	V	2.63	52.82	74	21.18
1801.6	34.68	Ave.	301	1.3	V	2.63	37.31	54	16.69

4) PoE power supply:

Below 1 GHz:



Frequency (MHz)	Corrected Amplitude (dBμV/m)	Antenna Height (cm)	Antenna Polarity (H/V)	Turntable Position (degree)	Correction Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
60.224400	36.9	98.0	V	35.0	-20.7	40.0	3.1*
66.287200	32.8	98.0	V	35.0	-20.6	40.0	7.2
106.704750	30.6	105.0	V	257.0	-15.6	43.5	12.9
200.006600	29.0	188.0	H	207.0	-15.1	43.5	14.5
224.953000	24.8	98.0	H	159.0	-16.4	46.0	21.2
600.018300	41.1	98.0	V	275.0	-9.4	46.0	4.9*

Above 1 GHz:

Frequency (MHz)	Receiver		Turntable Degree	Rx Antenna		Correction Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector (PK/QP/Ave.)		Height (m)	Polar (H/V)				
1282.5	48.04	PK	12	1.2	V	0.16	48.20	74	25.80
1282.5	37.96	Ave.	12	1.2	V	0.16	38.12	54	15.88
1400.8	47.41	PK	142	1.3	V	0.68	48.09	74	25.91
1400.8	37.28	Ave.	142	1.3	V	0.68	37.96	54	16.04
1601.2	43.65	PK	335	1.4	V	1.70	45.35	74	28.65
1601.2	38.70	Ave.	335	1.4	V	1.70	40.40	54	13.60

Note: *Within measurement uncertainty.

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