

FCC PART 15.231

TEST REPORT

For

AKUVOX(XIAMEN)NETWORKS CO.,LTD.

10/F, No.56 GuanRi Road., Software Park II, Xiamen, China

FCC ID: 2AHCR-R15P-433

Report Type: Original Report	Product Type: SIP PHONE
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Report Number: RXM160524051-00A	
Report Date: 2016-09-08	
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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. (Dongguan).

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The AKUVOX(XIAMEN)NETWORKS CO.,LTD. 's product, model number: R15P (433) (FCC ID: 2AHCR-R15P-433) (the "EUT") in this report is a SIP PHONE, which was measured approximately: 23cm (L) x 17 cm (W) x15 cm (H), rated input voltage: DC 5V from adapter.

Adapter Information :

MODEL : RD0501000-C55-EMG

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

OUTPUT : DC5V, 1.0A

All measurement and test data in this report was gathered from production sample serial number: 160524051 (Assigned by BACL, Dongguan). The EUT was received on 2016-05-27.

Objective

This report is prepared on behalf of AKUVOX(XIAMEN)NETWORKS CO.,LTD. in accordance with Part 2, Subpart J, Part 15, Subparts A, B and C of the Federal Communications Commission's rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.209, 15.35(c) and 15.231 rules.

Related Submittal(s)/Grant(s)

Submitted with the part of a system with FCC ID: 2AHCR-EP10-433
FCC Part 15B submissions with FCC ID: 2AHCR-R15P-433.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

All emissions measurement was performed and Bay Area Compliance Laboratories Corp. (Dongguan).

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industrial Zone, Tangxia, Dongguan, Guangdong, China

Test site at Bay Area Compliance Laboratories Corp. (Dongguan) has been fully described in reports submitted to the Federal Communications 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 February 06, 2015.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 273710. 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

Justification

The system was configured in testing mode which was provided by manufacturer.

Equipment Modifications

No modifications were made to the unit tested.

Local Support Equipment List and Details

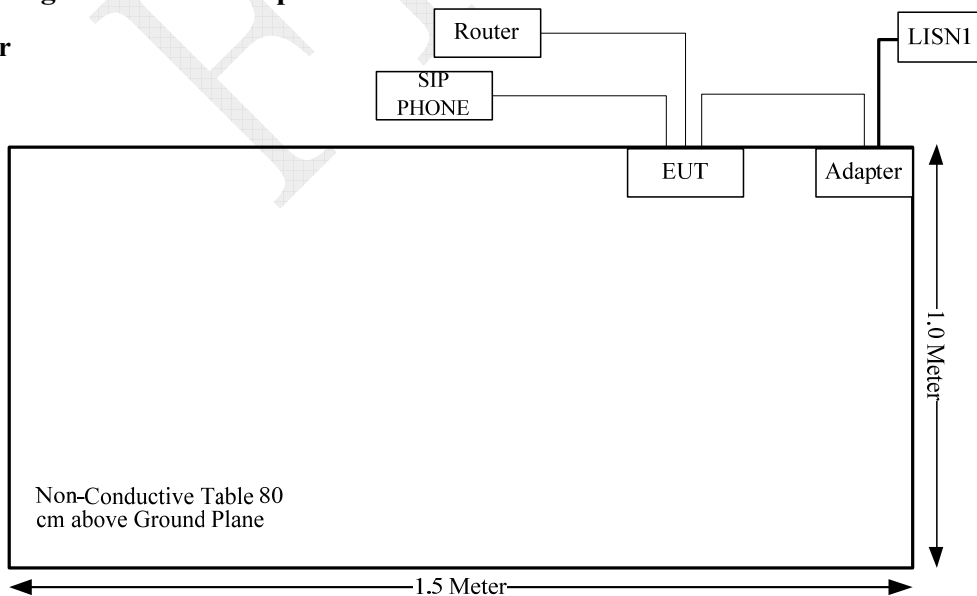
Manufacturer	Description	Model	Serial Number
AKUVOX	SIP PHONE	R15P (433)	N/A
Tenda	Wireless Router	W311R	N/A
TP-LINK	POE Switch	TL-SF1008P	114A297001782

Support Cable List and Details

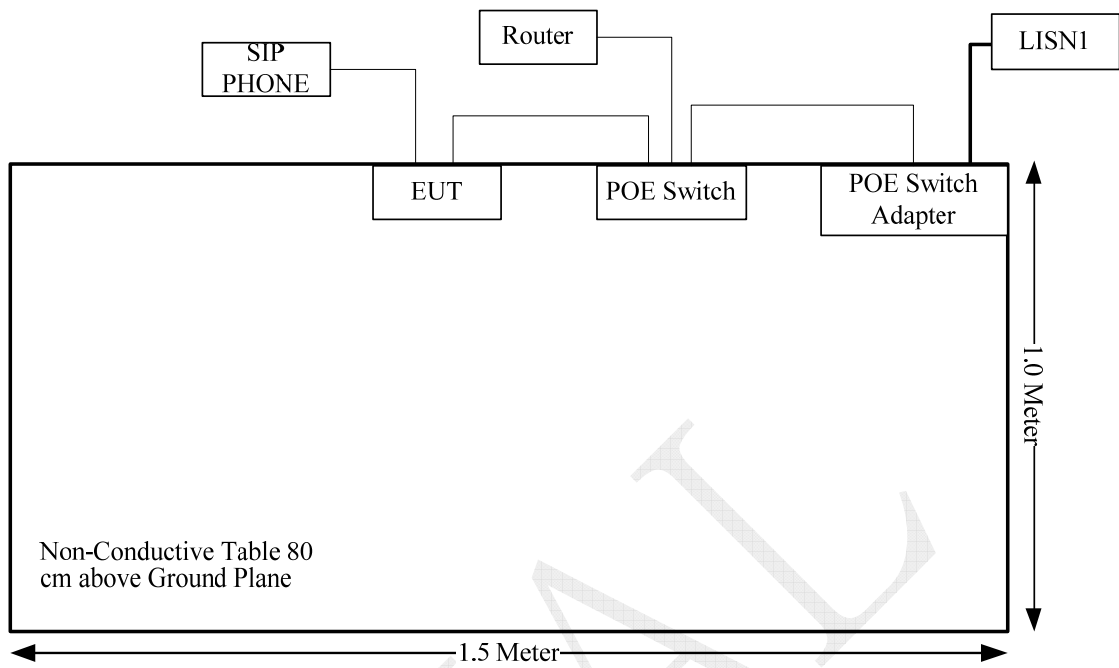
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
RJ45 Cable	Yes	No	10	Router	EUT
RJ45 Cable	Yes	No	10	SIP PHONE	EUT
RJ45 Cable	Yes	No	1	POE Switch	EUT

Block Diagram of Test Setup

Adapter



POE



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliance
§15.207 (a)	Conducted Emissions	Compliance
§15.205, §15.209, §15.231 (b)	Radiated Emissions	Compliance
§15.231 (c)	20dB Bandwidth Testing	Compliance
§15.231 (a)	Deactivation Testing	Compliance

FCC §15.203 - ANTENNA REQUIREMENT

Applicable Standard

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

Result: Compliant.

The EUT has one integral antenna arrangement, which was permanently attached and the antenna gain is 0 dBi, fulfill the requirement of this section. Please refer to the EUT photos.

FUNVAL

FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC§15.207

Measurement Uncertainty

Compliance or non-compliance with a disturbance limit shall be determined in the following manner:

If U_{lab} is less than or equal to U_{cispr} of Table 1, then:

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

If U_{lab} is greater than U_{cispr} of Table 1, then:

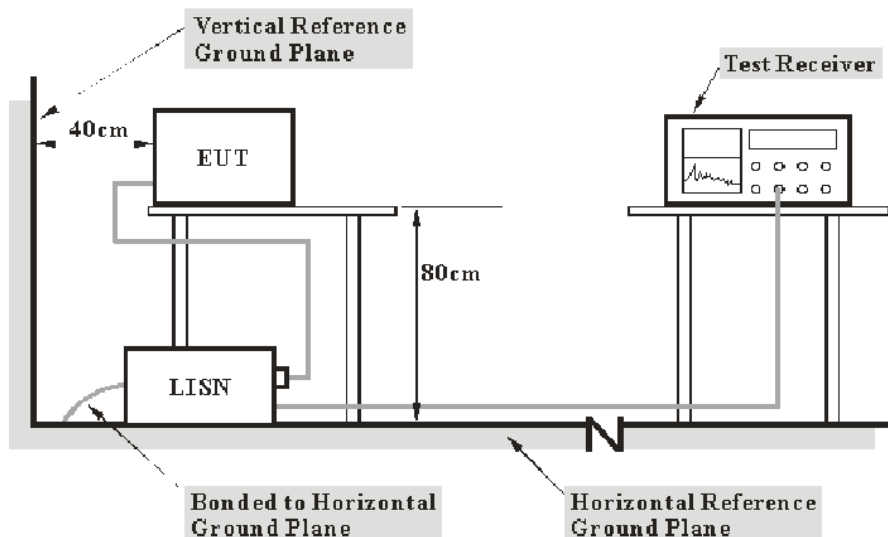
- compliance is deemed to occur if no measured disturbance level, increased by $(U_{lab} - U_{cispr})$, exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level, increased by $(U_{lab} - U_{cispr})$, exceeds the disturbance limit.

Based on CISPR 16-4-2: 2011, measurement uncertainty of conducted disturbance at mains port using AMN at Bay Area Compliance Laboratories Corp. (Dongguan) is 3.12 dB (150 kHz to 30 MHz).

Table 1 – Values of U_{cispr}

Measurement	U_{cispr}
Conducted disturbance at mains port using AMN (150 kHz to 30 MHz)	3.4 dB

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 setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

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

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

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.

Corrected Amplitude & Margin Calculation

The basic equation is as follows:

$$V_C = V_R + A_C + VDF$$

Herein,

V_C : corrected voltage amplitude

V_R : reading voltage amplitude

A_C : attenuation caused by cable loss

VDF: voltage division factor of AMN or ISN

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

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

Test Equipment List and Details

Manufacturer	1. Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCS 30	830245/006	2015-10-20	2016-10-20
R&S	L.I.S.N	ESH2-Z5	892107/021	2016-06-09	2017-06-09
R&S	Two-line V-network	ENV 216	3560.6550.12	2015-11-26	2016-11-25
N/A	Coaxial Cable	1.8m	N/A	2016-05-06	2017-05-06
R&S	Test Software	EMC32	Version8.53.0	N/A	N/A

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

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207.

Test Data

Environmental Conditions

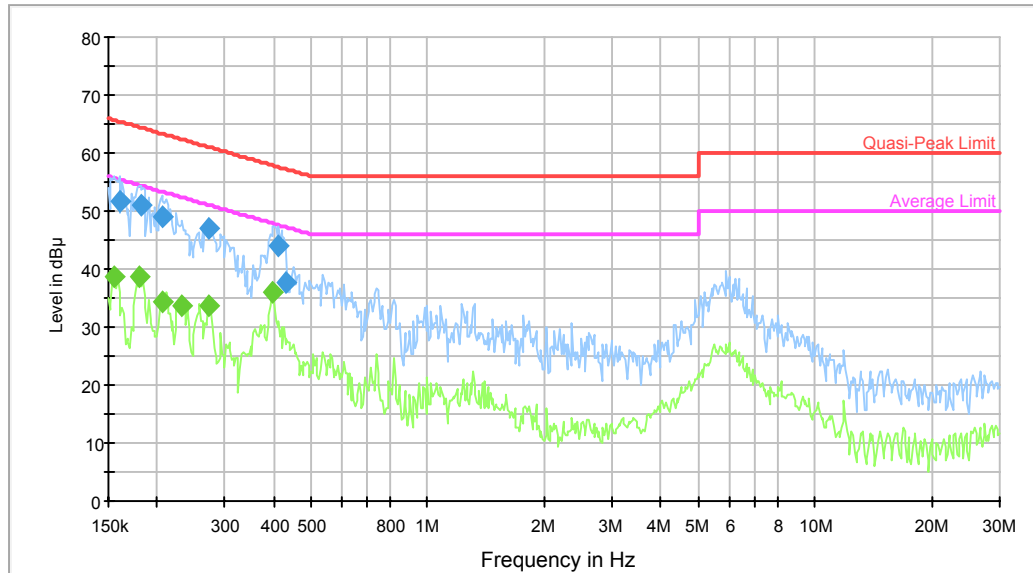
Temperature:	28.2°C
Relative Humidity:	73 %
ATM Pressure:	99.7 kPa

The testing was performed by Rocky Xiao on 2016-06-15

Test Mode: Transmitting

Adapter:

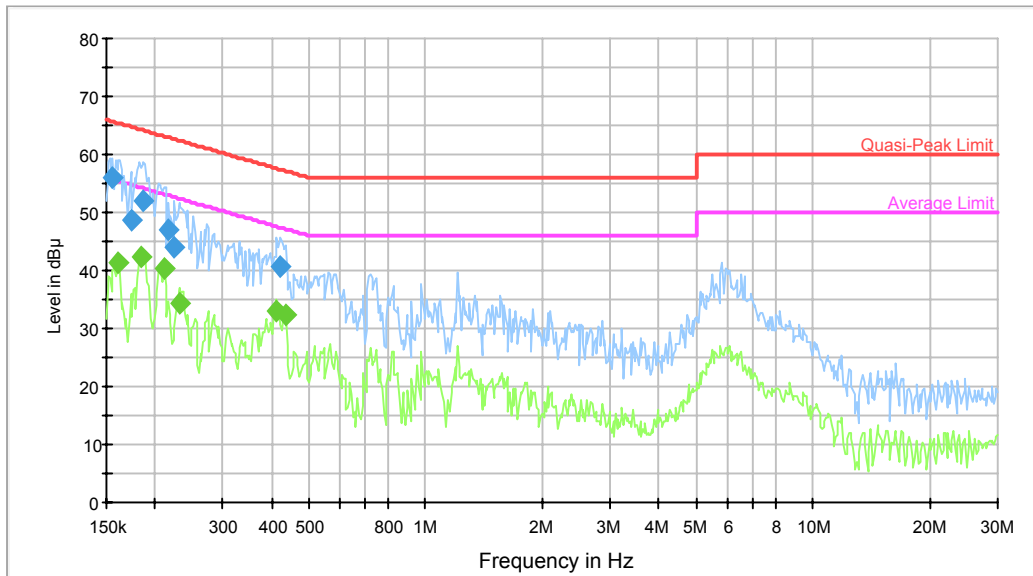
AC120 V, 60 Hz, Line:



Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.159873	51.6	9.000	L1	10.2	13.9	65.5	Compliance
0.181612	50.9	9.000	L1	10.2	13.5	64.4	Compliance
0.206306	48.9	9.000	L1	10.2	14.5	63.4	Compliance
0.272666	46.9	9.000	L1	10.2	14.1	61.0	Compliance
0.412647	44.0	9.000	L1	10.2	13.6	57.6	Compliance
0.432855	37.7	9.000	L1	10.2	19.5	57.2	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.156097	38.8	9.000	L1	10.2	16.9	55.7	Compliance
0.180171	38.8	9.000	L1	10.2	15.7	54.5	Compliance
0.207957	34.2	9.000	L1	10.2	19.1	53.3	Compliance
0.232499	33.6	9.000	L1	10.2	18.8	52.4	Compliance
0.272666	33.8	9.000	L1	10.2	17.2	51.0	Compliance
0.396530	35.9	9.000	L1	10.2	12.0	47.9	Compliance

AC120 V, 60 Hz, Neutral:

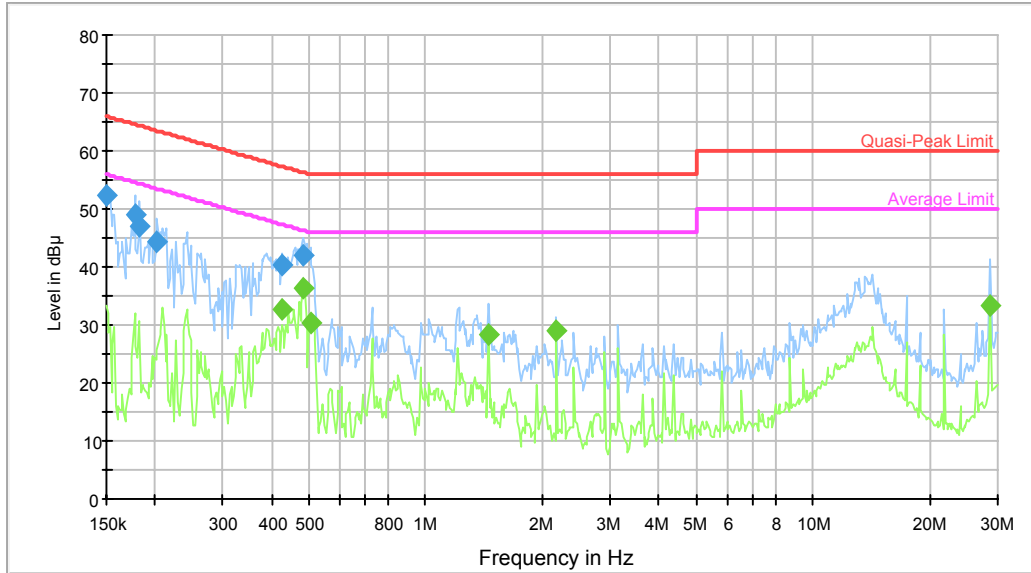


Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.156097	56.0	9.000	N	10.1	9.7	65.7	Compliance
0.173134	48.7	9.000	N	10.1	16.1	64.8	Compliance
0.187494	52.1	9.000	N	10.2	12.0	64.1	Compliance
0.216409	46.9	9.000	N	10.2	16.1	63.0	Compliance
0.225205	44.0	9.000	N	10.2	18.6	62.6	Compliance
0.422630	40.7	9.000	N	10.2	16.7	57.4	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.159873	41.4	9.000	N	10.1	14.1	55.5	Compliance
0.184529	42.5	9.000	N	10.1	11.8	54.3	Compliance
0.211298	40.2	9.000	N	10.2	13.0	53.2	Compliance
0.230654	34.4	9.000	N	10.2	18.0	52.4	Compliance
0.412647	33.1	9.000	N	10.2	14.5	47.6	Compliance
0.436318	32.4	9.000	N	10.1	14.7	47.1	Compliance

POE:

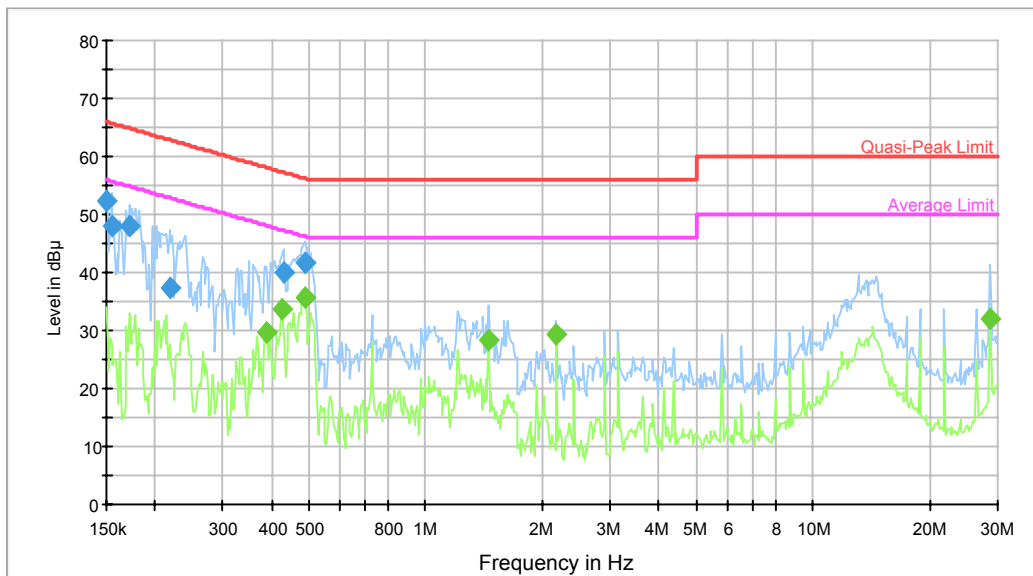
AC120 V, 60 Hz, Line:



Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.150000	52.3	9.000	L1	10.2	13.7	66.0	Compliance
0.177322	48.9	9.000	L1	10.1	15.7	64.6	Compliance
0.183065	47.0	9.000	L1	10.2	17.3	64.3	Compliance
0.203045	44.4	9.000	L1	10.2	19.1	63.5	Compliance
0.426011	40.2	9.000	L1	10.2	17.1	57.3	Compliance
0.483938	41.9	9.000	L1	10.1	14.4	56.3	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.426011	32.6	9.000	L1	10.2	14.7	47.3	Compliance
0.483938	36.2	9.000	L1	10.1	10.1	46.3	Compliance
0.503608	30.5	9.000	L1	10.1	15.5	46.0	Compliance
1.453260	28.2	9.000	L1	10.4	17.8	46.0	Compliance
2.181877	29.0	9.000	L1	10.4	17.0	46.0	Compliance
28.614240	33.2	9.000	L1	11.0	16.8	50.0	Compliance

AC120 V, 60 Hz, Neutral:



Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.150000	52.3	9.000	N	10.2	13.7	66.0	Compliance
0.154858	48.0	9.000	N	10.2	17.7	65.7	Compliance
0.171759	48.0	9.000	N	10.1	16.9	64.9	Compliance
0.218141	37.5	9.000	N	10.2	25.4	62.9	Compliance
0.429420	40.1	9.000	N	10.2	17.2	57.3	Compliance
0.487810	41.5	9.000	N	10.1	14.7	56.2	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.387164	29.6	9.000	N	10.2	18.5	48.1	Compliance
0.426011	33.7	9.000	N	10.2	13.6	47.3	Compliance
0.487810	35.5	9.000	N	10.1	10.7	46.2	Compliance
1.453260	28.3	9.000	N	10.4	17.7	46.0	Compliance
2.181877	29.5	9.000	N	10.4	16.5	46.0	Compliance
28.614240	32.0	9.000	N	11.0	18.0	50.0	Compliance

FCC §15.205, §15.209, §15.231 (b) - RADIATED EMISSIONS

Applicable Standard

FCC §15.205, §15.209, §15.231 (b)

Measurement Uncertainty

Compliance or non-compliance with a disturbance limit shall be determined in the following manner:

If U_{lab} is less than or equal to U_{cispr} of Table 1, then:

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

If U_{lab} is greater than U_{cispr} of Table 1, then:

- compliance is deemed to occur if no measured disturbance level, increased by $(U_{lab} - U_{cispr})$, exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level, increased by $(U_{lab} - U_{cispr})$, exceeds the disturbance limit.

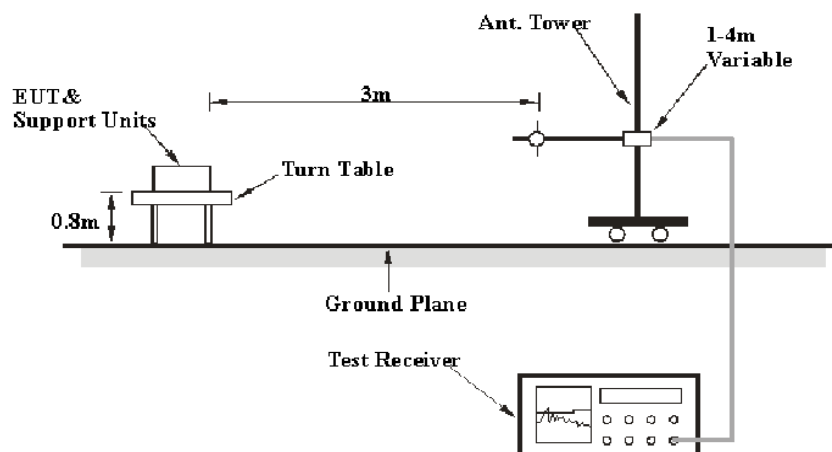
Based on CISPR 16-4-2: 2011, measurement uncertainty of radiated emission at a distance of 3m at Bay Area Compliance Laboratories Corp. (Dongguan) is: 30M~200MHz: 4.58 dB for Horizontal, 4.59 dB for Vertical; 200M~1GHz: 4.83 dB for Horizontal, 5.85 dB for Vertical; 1G~6GHz: 4.45 dB, 6G~18GHz: 5.23 dB.

Table 1 – Values of U_{cispr}

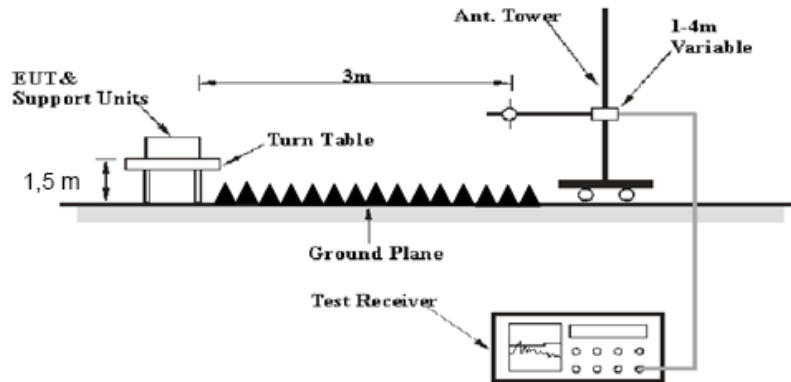
Measurement	U_{cispr}
Radiated disturbance (electric field strength at an OATS or in a SAC) (30 MHz to 1000 MHz)	6.3 dB
Radiated disturbance (electric field strength in a FAR) (1 GHz to 6 GHz)	5.2 dB
Radiated disturbance (electric field strength in a FAR) (6 GHz to 18 GHz)	5.5 dB

EUT Setup

Below 1 GHz:



Above 1 GHz:



The radiated emission tests were performed in the 3 meters test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15 § 15.209, 15.205 and 15.231.

EMI Test Receiver Setup

The system was investigated from 30 MHz to 5 GHz.

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

Frequency Range	RBW	Video B/W	IF B/W	Detector
30 MHz – 1000 MHz	100 kHz	300 kHz	100 kHz	PK
1 GHz – 5 GHz	1 MHz	3 MHz	/	PK

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCI	100224	2015-08-03	2016-08-02
Sunol Sciences	Antenna	JB3	A060611-3	2014-11-06	2017-11-05
HP	Amplifier	8447E	2434A02181	2015-09-01	2016-09-01
Agilent	Spectrum Analyzer	E4440A	SG43360054	2015-11-23	2016-11-22
ETS-Lindgren	Horn Antenna	3115	9808-5557	2015-11-23	2016-11-22
Mini-Circuit	Amplifier	ZVA-213-S+	054201245	2015-09-06	2018-09-06
R&S	Spectrum Analyzer	FSP 38	100478	2016-02-19	2017-02-19
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-01 1304	2014-06-16	2017-06-15
Quinstar	Amplifier	QLW-18405536-JO	15964001001	2015-09-06	2016-09-06
N/A	Coaxial Cable	14m	N/A	2016-05-06	2017-05-06
N/A	Coaxial Cable	8m	N/A	2016-05-06	2017-05-06

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

Test Procedure

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

According to §15.231, Intentional radiators operating under the provisions of this Section shall demonstrate compliance with the limits on the field strength of emissions, based on the average value of the measured emissions. As an alternative, compliance with the limits in the above table may be based on the use of measurement instrumentation with a CISPR quasi-peak detector

Applicable Standard

According to §15.231 (b), the field strength of emissions from intentional radiators operated under this section shall not exceed the following:

Fundamental frequency (MHz)	Field Strength of Fundamental (Microvolts /meter)	Field Strength of spurious emissions ((Microvolts /meter)
40.66-40.70	2250	225
70-130	1250	125
130-174	1250 to 3750*	125 to 375*
174-260	3750	375
260-470	3750 to 12500*	375 to 1250*
Above 470	12500	1250

*Linear interpolations.

The above field strength limits are specified at a distance of 3-meters the tighter limits apply at the band edges.

Corrected Amplitude & Margin Calculation

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

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

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 CFR47 §15.205, §15.209, §15.231 (b).

Test Data

Environmental Conditions

Temperature:	27.2 °C
Relative Humidity:	49 %
ATM Pressure:	100.3 kPa

The testing was performed by Rocky Xiao on 2016-09-08

Test mode: Transmitting

Field Strength (Peak)

Frequency (MHz)	Receiver Reading (dBµV)	Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	15.231(b)	
		Polar (H/V)	Factor (dB)				Limit (dBµV/m)	Margin (dB)
Operating Frequency:434 MHz								
434	60.13	H	16.85	2.49	0.00	79.47	100.83	21.36
434	54.97	V	16.85	2.49	0.00	74.31	100.83	26.52
868	20.64	H	22.51	3.59	0.00	46.74	80.83	34.09
868	20.37	V	22.51	3.59	0.00	46.47	80.83	34.36
1302	32.96	H	23.09	3.02	26.91	32.16	74.00	41.84
1302	32.3	V	23.09	3.02	26.91	31.50	74.00	42.50
1736	31.88	H	24.07	2.69	27.62	31.02	80.83	49.81
1736	31.21	V	24.07	2.69	27.62	30.35	80.83	50.48
2170	31.39	H	25.04	3.22	27.32	32.33	80.83	48.50
2170	31.18	V	25.04	3.22	27.32	32.12	80.83	48.71
2604	35.71	H	26.17	4.43	27.42	38.89	80.83	41.94
2604	35.31	V	26.17	4.43	27.42	38.49	80.83	42.34

Field Strength (Average)

Frequency (MHz)	Peak Measurement @ 3m (dBµV/m)	Polar (H/V)	Duty Cycle Correction Factor (dB)	Average Amp. (dBµV/m)	15.231(b)	
					Limit (dBµV/m)	Margin (dB)
Operating Frequency:434 MHz						
434	79.47	H	-3.42	76.05	80.83	4.78
434	74.31	V	-3.42	70.89	80.83	9.94
868	46.74	H	-3.42	43.32	60.83	17.51
868	46.47	V	-3.42	43.05	60.83	17.78
1302	32.16	H	-3.42	28.74	54.00	25.26
1302	31.50	V	-3.42	28.08	54.00	25.92
1736	31.02	H	-3.42	27.6	60.83	33.23
1736	30.35	V	-3.42	26.93	60.83	33.9
2170	32.33	H	-3.42	28.91	60.83	31.92
2170	32.12	V	-3.42	28.7	60.83	32.13
2604	38.89	H	-3.42	35.47	60.83	25.36
2604	38.49	V	-3.42	35.07	60.83	25.76

Duty Cycle:

Ton (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
100	67.44	-3.42

Note:

Calculate Average value based on duty cycle correction factor:

$$\text{Duty cycle} = T_{ON}/100\text{ms} = (T_{on} * N)/100$$

$$= 11.24 * 6 / 100$$

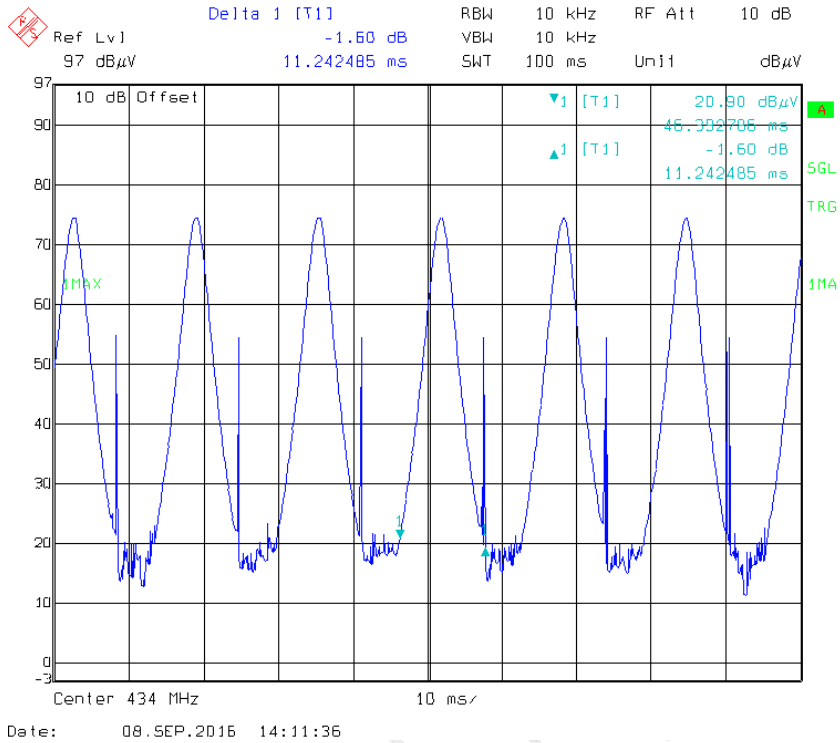
$$= 67.44\%$$

$$\text{Duty cycle correction factor} = 20 * \log(\text{duty cycle}) = -3.42 \text{ dB}$$

$$\text{Average} = \text{Peak} + \text{Duty cycle correction factor}$$

Please refer to following plot.

Duty Cycle



FCC §15.231(c) – 20 dB BANDWIDTH TESTING

Requirement

Per 15.231(c), The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. Bandwidth is determined at the points 20 dB down from the modulated carrier.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSP 38	100478	2015-11-23	2016-11-22
N/A	Coaxial Cable	0.1m	N/A	2016-05-06	2017-05-06
NARDA	Attenuator	769-6	2754	2016-05-06	2017-05-06
E-Microwave	DC Blocking	EMDCB-00036	0E01201047	2016-05-06	2017-05-06

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

Test Procedure

With the EUT's antenna attached, the waveform was received by the test antenna which was connected to the spectrum analyzer, plot the 20 dB bandwidth.

Test Data

Environmental Conditions

Temperature:	27.2 °C
Relative Humidity:	49 %
ATM Pressure:	100.3 kPa

The testing was performed by Rocky Xiao on 2016-06-01.

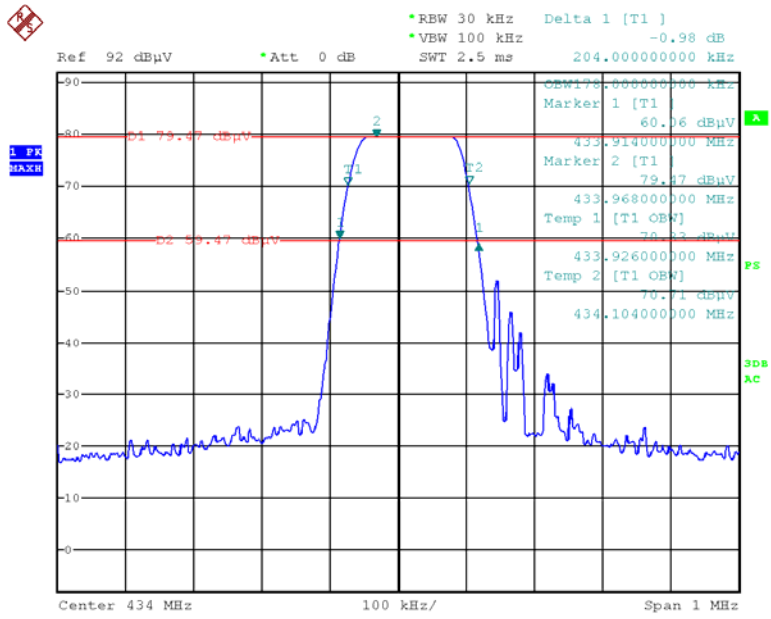
Test Mode: Transmitting

Please refer to following table and plot.

Channel Frequency (MHz)	20 dB Bandwidth (kHz)	Limit (kHz)	Result
434	204	1085	Pass

Note: Limit = 0.25% * Center Frequency = 0.25%*434 MHz = 1085 kHz

20 dB Bandwidth



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FEMV

FCC §15.231(a) - DEACTIVATION TESTING

Applicable Standard

Per 15.231(a)(1), A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCI	100224	2015-08-03	2016-08-02

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

Test Data

Environmental Conditions

Temperature:	27.2°C
Relative Humidity:	49 %
ATM Pressure:	100.3 kPa

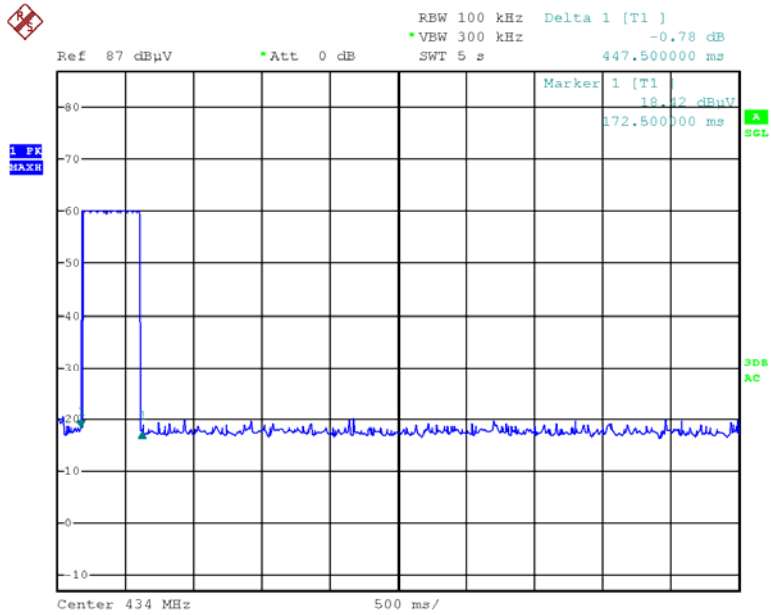
The testing was performed by Rocky Xiao on 2016-07-29.

Test Mode: Transmitting

Test Result: Compliance. Please refer to following plot.

Fc (MHz)	deactivation time (S)	Limit (S)	Result
434	0.448	<5.0	Pass

Deactivation Time



Date: 29.JUL.2016 21:40:45

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