

FCC PART 15.249
EMI MEASUREMENT AND TEST REPORT

For

SHENZHEN WANJIA ELECTRICAL CO.,LTD.

5F., NO.6 BLDG. BAIMENQIAN INDUSTRIAL AREA, SHAWAN TOWN, SHENZHEN, CHINA

FCC ID: SQSSWJ-2302

This Report Concerns: ☒ Original Report	Equipment Type: 2.4G WIRELESS MONITOR
Test Engineer:	Merry Zhao <i>Merry Zhao</i>
Report Number:	RSZ06092601
Test Date:	2006-10-19 to 2006-10-26
Report Date:	2006-11-02
Reviewed By:	EMC Manager: Boni Baniqued <i>Boni Baniqued</i>
Prepared By:	Bay Area Compliance Laboratory Corp. (Shenzhen) 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone, ShenZhen, Guangdong 518038, P.R.China Tel: +86-755-33320018 Fax: +86-755-33320008

Note: This test report is for the customer shown above and their specific product only. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratory Corp. (Shenzhen). This report **must not** be used by the customer to claim product certification, approval, or endorsement by NVLAP or any agency of the U.S. Government.

TABLE OF CONTENTS

GENERAL INFORMATION.....	3
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	3
OBJECTIVE	3
RELATED SUBMITTAL(S)/GRANT(S).....	3
TEST METHODOLOGY	3
TEST FACILITY	4
EXTERNAL I/O CABLE.....	4
SYSTEM TEST CONFIGURATION.....	5
JUSTIFICATION	5
EQUIPMENT MODIFICATIONS	5
CONFIGURATION OF TEST SETUP	6
BLOCK DIAGRAM OF TEST SETUP	6
SUMMARY OF TEST RESULTS	7
§15.203 - ANTENNA REQUIREMENT.....	8
STANDARD APPLICABLE	8
ANTENNA CONNECTOR CONSTRUCTION	8
§15.207 - CONDUCTED EMISSION	9
MEASUREMENT UNCERTAINTY	9
EUT SETUP.....	9
EMI TEST RECEIVER SETUP.....	10
TEST EQUIPMENT LIST AND DETAILS.....	10
TEST PROCEDURE	10
TEST RESULTS SUMMARY	10
TEST DATA	11
PLOT(S) OF TEST DATA	11
§15.205 §15.209(A) §15.249(A) - RADIATED EMISSION	14
MEASUREMENT UNCERTAINTY	14
EUT SETUP.....	14
EMI TEST RECEIVER SETUP.....	15
TEST EQUIPMENT LIST AND DETAILS.....	15
TEST PROCEDURE	15
CORRECTED AMPLITUDE & MARGIN CALCULATION	15
TEST RESULTS SUMMARY	16
TEST DATA	16
§15.249(D) – OUT OF BAND EMISSION	19
STANDARD APPLICABLE	19
TEST PROCEDURE	19
TEST EQUIPMENT LIST AND DETAILS.....	19
TEST DATA	19

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The SHENZHEN WANJIA ELECTRICAL CO, LTD.'s product, model number: SWJ-2302 or the "EUT" as referred to in this report is a 2.4G WIRELESS MONITOR, which measures approximately 11.0 cm L x 11.5 cm W x 10.5 cm H, rated input voltage: DC 7.5V Adapter.

Adapter:

Input: 120VAC/60Hz 12W; Output: 7.5V DC 500mA; Model: YU075050D1.

** The test data gathered are from production sample, serial number: 0609027 provided by the manufacturer, we received EUT on 2006-9-26.*

Objective

This Type approval report is prepared on behalf of SHENZHEN WANJIA ELECTRICAL CO.,LTD. in accordance with Part 2, Subpart J, and Part 15, Subparts A, B and C of the Federal Communication Commissions rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.249 rules.

Related Submittal(s)/Grant(s)

No Related Submittals.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2003, 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 Laboratory 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 Laboratory Corp. (ShenZhen) to collect radiated and conducted emission measurement data is located in the 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone, ShenZhen, Guangdong 518038, P.R.China.

Test site at Bay Area Compliance Laboratory 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 November 04, 2004. 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.

Additionally, Bay Area Compliance Laboratory Corp. (ShenZhen) is a National Institute of Standards and Technology (NIST) accredited laboratory, under the National Voluntary Laboratory Accredited Program (Lab Code 200707-0). The current scope of accreditations can be found at <http://ts.nist.gov/ts/htdocs/210/214/scopes/2007070.htm>

External I/O Cable

Cable Description	Length (M)	From/Port	To
Adapter Cable	1.80	EUT	Adapter

SYSTEM TEST CONFIGURATION

Justification

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

Equipment Modifications

Bay Area Compliance Laboratory Corp. (ShenZhen) has not done any modification on the EUT.

The diagram illustrates the proposed architecture. It shows a flow starting from an 'Adapter' block, which connects to an 'EUT' block. From the 'EUT' block, the flow continues to a 'Speaker' block and an 'Audio Generator' block.

The diagram illustrates the test setup for the LISN2 study. It shows a large rectangular area representing the test environment, labeled "Non-conduction table 80 cm above Ground Plane". The table dimensions are 1.5 Meter in width and 1.0 Meter in height. On the table, the following components are positioned:

- LISN1** and **Adapter** are connected to the left side of the table.
- EUT** (Equipment Under Test) is positioned on the table.
- Speaker** is positioned next to the EUT, with a distance of 10 cm between them.
- Audio Generator** is positioned next to the Speaker, with a distance of 10 cm between them.
- LISN2** is connected to the right side of the table.

The diagram also shows a "1.5 Meter" dimension for the width of the table and a "1.0 Meter" dimension for the height of the table. The "Non-conduction table 80 cm above Ground Plane" label indicates the table's height relative to the ground plane.

SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.203	Antenna Requirement	Compliant
§15.207(a)	Conduction Emission	Compliant
§15.205(a), §15.209(a), §15.249(a)	Radiated Emission	Compliant*
§15.249(d)	Out of band emission	Compliant

Note 1: The highest clocks of the EUT was 4 MHz.

* Within measurement uncertainty.

§15.203 - ANTENNA REQUIREMENT

Standard Applicable

For intentional device, according to §15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used.

Antenna Connector Construction

The EUT has a permanently attached antenna, which in accordance to section 15.203, is considered sufficient to comply with the provisions of this section.

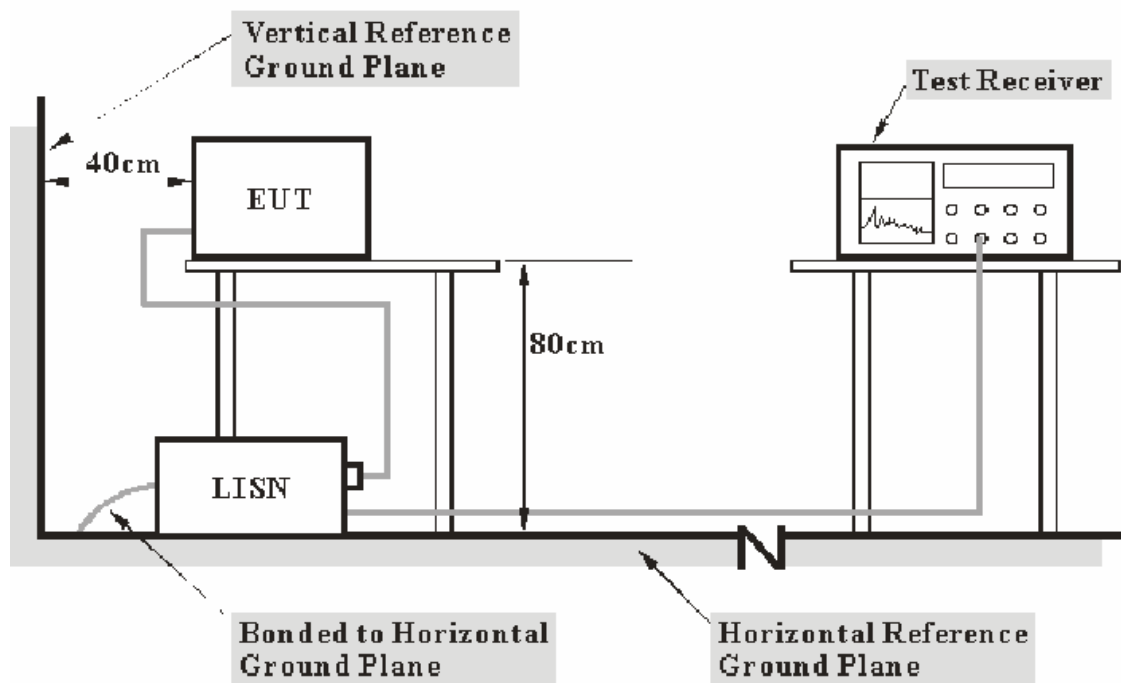
§15.207 - CONDUCTED EMISSION

Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, and LISN.

Based on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement at Bay Area Compliance Laboratory Corp. (ShenZhen) is ± 2.4 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 C63.4-2003 measurement procedure. The specification used was with the FCC Part 15 .207 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 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:

<u>Frequency Range</u>	<u>IFBW</u>
150 kHz – 30 MHz	9 kHz

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Com-Power	L.I.S.N.	LI-200	12005	N/A	N/A
Com-Power	L.I.S.N.	LI-200	12008	N/A	N/A
Rohde & Schwarz	EMI Test Receiver	ESCS30	DE25330 or 830245/006	2006-3-20	2007-3-20
Rohde & Schwarz	L.I.S.N.	ESH2-Z5	892107/021	2006-3-1	2007-3-1

* Com-Power's LISN were used as the supporting equipment.

* **Statement of Traceability:** Bay Area Compliance Laboratory Corp. (ShenZhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

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

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207, with the worst margin reading of:

-27.22 dB at 0.270 MHz in the Neutral conductor mode.

Test Data**Environmental Conditions**

Temperature:	25 ° C
Relative Humidity:	55%
ATM Pressure:	1002mbar

The testing was performed by Merry Zhao on 2006-10-19.

Test mode: Transmitting

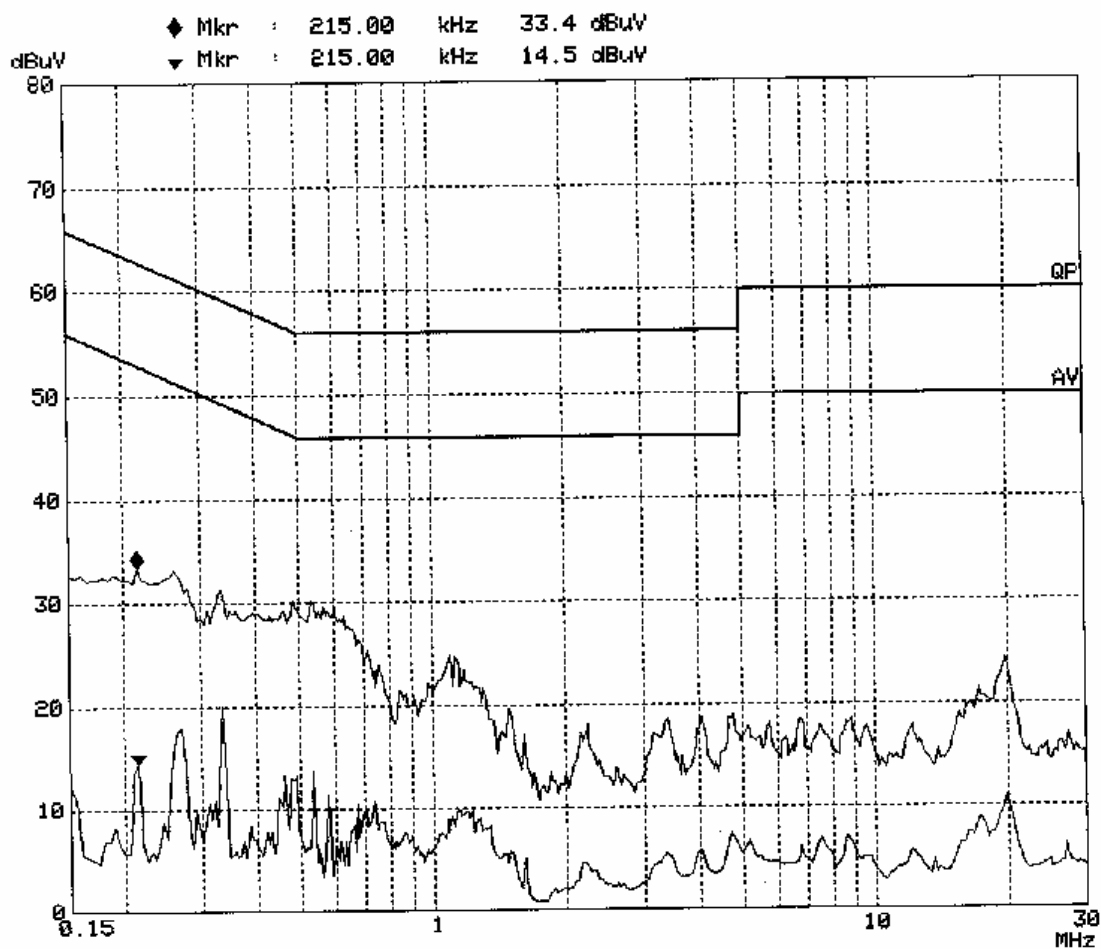
LINE CONDUCTED EMISSIONS				FCC PART 15 .207	
Frequency MHz	Amplitude dBμV	Detector QP/AV	Phase Live/Neutral	Limit dBμV	Margin dB
0.270	33.90	QP	Neutral	61.12	-27.22
0.540	28.60	QP	Neutral	56.00	-27.40
0.335	31.40	QP	Live	59.33	-27.93
0.335	20.10	AV	Live	49.33	-29.23
0.215	33.50	QP	Live	63.01	-29.51
0.540	15.10	AV	Neutral	46.00	-30.90
1.100	24.90	QP	Live	56.00	-31.10
0.270	19.10	AV	Neutral	51.12	-32.02
1.166	21.60	QP	Neutral	56.00	-34.40
19.775	24.30	QP	Live	60.00	-35.70
1.100	9.30	AV	Live	46.00	-36.70
4.765	18.90	QP	Live	56.00	-37.10
1.166	8.60	AV	Neutral	46.00	-37.40
19.505	22.40	QP	Neutral	60.00	-37.60
4.755	18.30	QP	Neutral	56.00	-37.70
2.235	18.20	QP	Live	56.00	-37.80
3.150	17.70	QP	Neutral	56.00	-38.30
0.215	14.60	AV	Live	53.01	-38.41
19.775	11.00	AV	Live	50.00	-39.00
4.765	6.90	AV	Live	46.00	-39.10
4.755	6.10	AV	Neutral	46.00	-39.90
19.505	9.40	AV	Neutral	50.00	-40.60
2.235	4.10	AV	Live	46.00	-41.90
3.150	3.80	AV	Neutral	46.00	-42.20

Plot(s) of Test Data

Plot(s) of Test Data is presented hereinafter as reference.

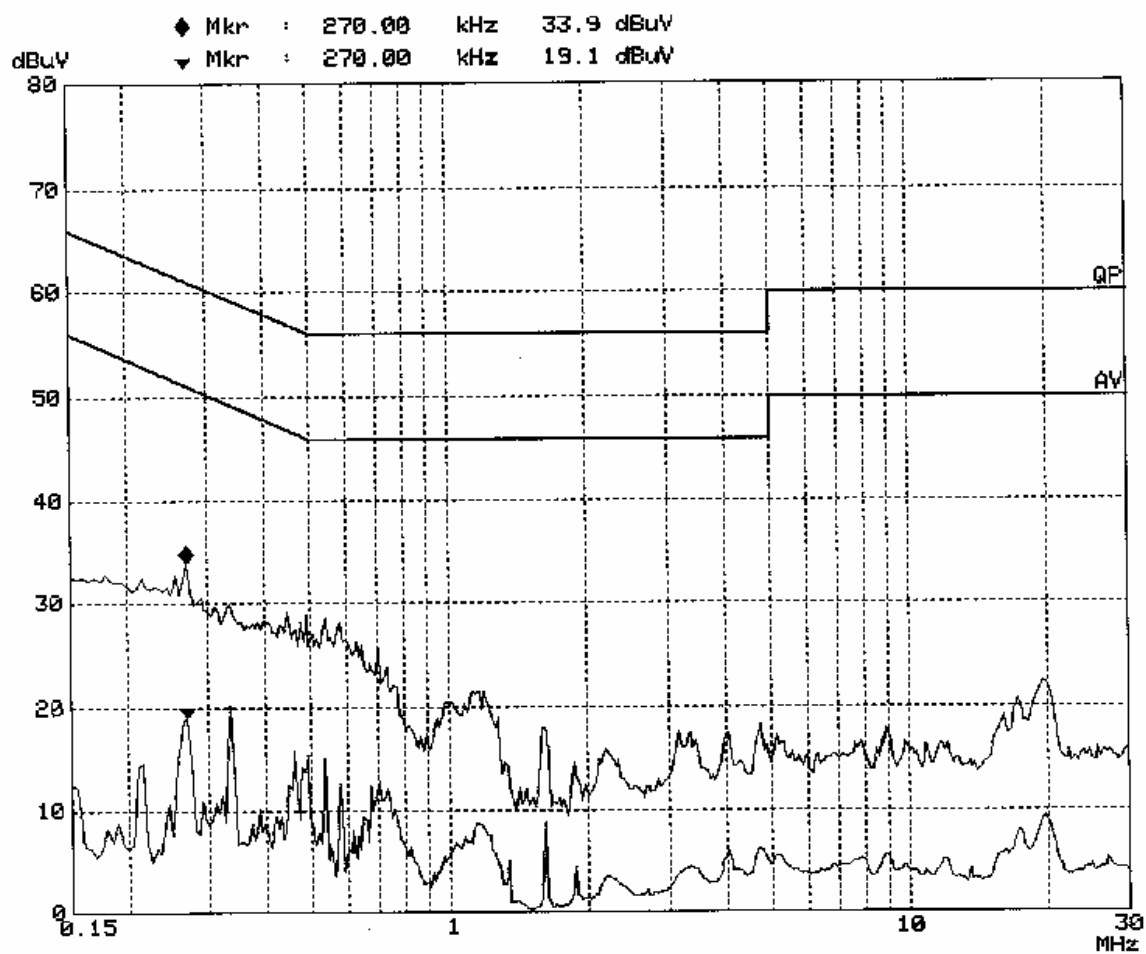
Conduction Emission Test FCC Part 15C

EUT: 2.4G Wireless monitor;M/N:SWJ2302
Manuf: Wanjia
Op Cond: Transmitting
Operator: Merry
Test Spec: AC 120V/60Hz L
Comment: Temp:25 Humi:56%
Date: 19. Oct 06 17:11



Conduction Emission Test FCC Part 15C

EUT: 2.4G Wireless monitor;M/N:SWJ2302
Manuf: Wanjia
Op Cond: Transmitting
Operator: Merry
Test Spec: AC 120V/60Hz N
Comment: Temp:25 Humi:56%
Date: 19. Oct 06 16:52



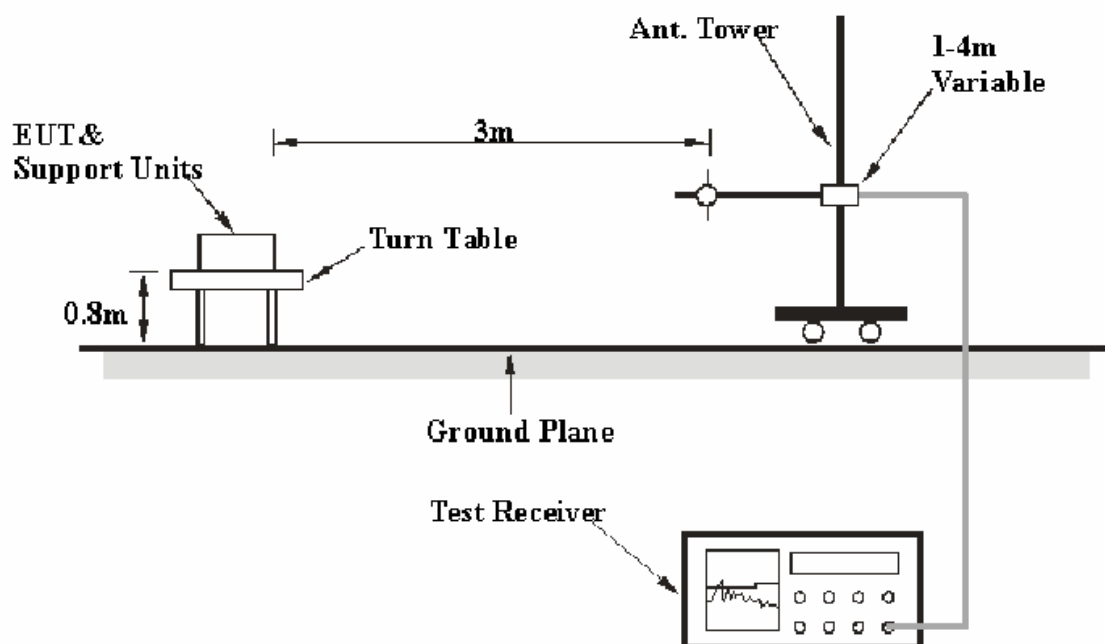
§15.205 §15.209(a) §15.249(a) - RADIATED EMISSION

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 NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement at Bay Area Compliance Laboratory Corp. (ShenZhen) is
 ± 4.0 dB.

EUT Setup



The radiated emission and out of band emission tests were performed in the 3 meters chamber A&B, using the setup accordance with the ANSI C63.4-2003. The specification used was the FCC 15.209 and FCC 15.249 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 25000 MHz.

During the radiated emission and out of band emission test, the test receiver was set with the following configurations:

<i>Frequency Range</i>	<i>RBW</i>	<i>Video B/W</i>
30 – 1000 MHz	100 kHz	300 kHz
1000 MHz – 25000 MHz	1MHz	3 MHz

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	EMI Test Receiver	ESCI	100028	2006-8-17	2007-8-17
HP	Amplifier	HP8447E	1937A01046	2006-8-17	2007-8-17
Sunol Sciences	Broadband Antenna	JB1	A040904-2	2006-4-28	2007-4-28
Agilent	Spectrum Analyzer	8564E	3943A01781	2005-12-8	2006-12-8
HP	Preamplifier	8449B	3008A00277	2006-8-17	2007-8-17
SUNOL SCIENCES	Horn Antenna	DRH-118	A052604	2006-7-20	2007-7-20

*** Statement of Traceability:** Bay Area Compliance Laboratory Corp. (ShenZhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Procedure

For the radiated emissions test, the adapter 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 data was recorded in the peak and average detection mode.

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:

$$\text{Corr. Ampl.} = \text{Meter Reading} + \text{Antenna Loss} + \text{Cable Loss} - \text{Amplifier Gain}$$

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

$$\text{Margin} = \text{Limit} - \text{Corr. Ampl.} / \text{Margin} = \text{Corr. Ampl.} - \text{Limit}$$

Test Results Summary

According to the data in the following table, the EUT complied with the FCC Part 15.209 & 15.249, with the worst margin reading of:

For 30MHz---1000MHz:

20.0 dB at **30.651075MHz** in the **Vertical** polarization.

For Above 1000MHz:

Transmitting (Low channel): **-6.46 dB** at **7242 MHz** in the **Vertical** polarization.

Transmitting (Middle channel): **-3.13 dB** at **9728 MHz** in the **Vertical** polarization.

Transmitting (High channel): **-2.18 dB** at **4936 MHz** in the **Vertical** polarization.

Test Data

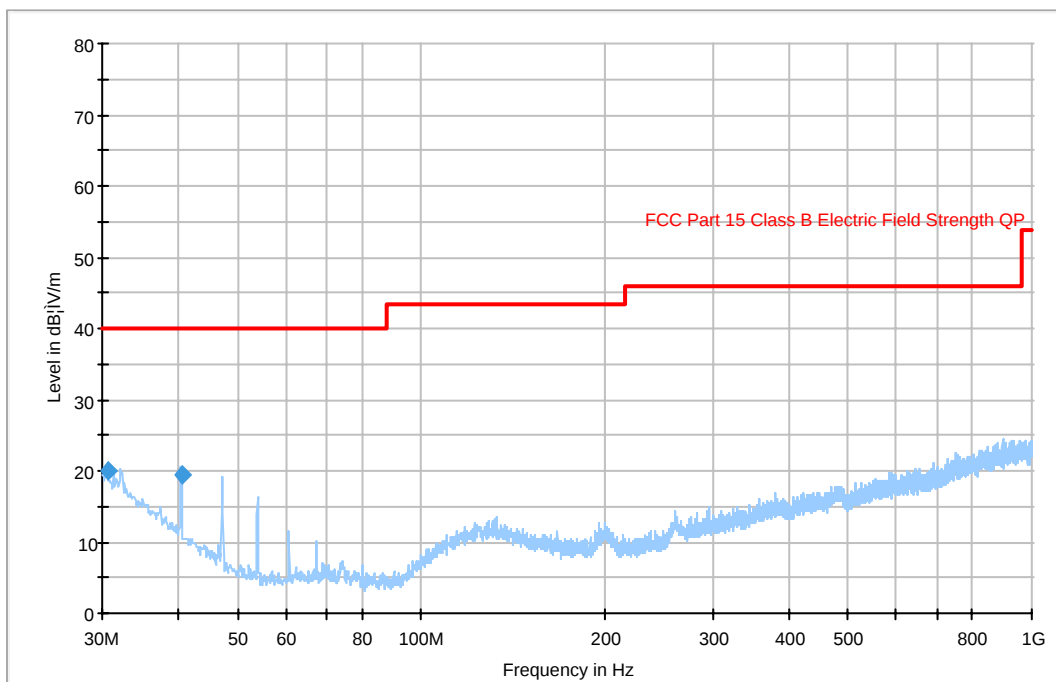
Environmental Conditions

Temperature:	26 ° C
Relative Humidity:	52%
ATM Pressure:	1000mbar

The testing was performed by Merry Zhao on 2006-10-19.

Test mode: Transmitting: 30MHz---1000MHz

Auto Test (FCC Part 15 B)



Frequency (MHz)	Quasi Peak (dB μ V/m)	Antenna height (cm)	Polarity	Turntable position (deg)	Corr. (dB)	Limit (dB μ V/m)	Margin (dB)
30.651075	20.0	278.0	V	279.0	-6.5	40.0	20.0
40.517275	19.5	101.0	V	117.0	-13.7	40.0	20.5

Test mode: Transmitting: Above 1000MHz

Frequency	Reading	Detector	Direction	Height	Polar	Antenna Loss	Cable loss	Amplifier Gain	Corr. Ampl.	FCC Part 15.209 & 15.249		
MHz	dBuV/m	PK/QP/AV	Degree	Meter	H / V	dB	dB	dB	dBuV/m	Limit dBuV/m	Margin dB	Comment
Low Channel 2414MHz												
7242	41.33	AV	180	1.2	V	35.4	4.51	33.7	47.54	54	-6.46	Harmonic
2414	91.50	AV	45	1	V	27.4	3.61	35.0	87.51	94	-6.49	Fundamental
9656	38.50	AV	90	1	V	37.6	5.35	34.1	47.35	54	-6.65	Harmonic
9656	37.17	AV	180	1.2	H	37.6	5.35	34.1	46.02	54	-7.98	Harmonic
4828	43.17	AV	90	1	V	31.3	4.64	33.4	45.71	54	-8.29	Harmonic
4828	42.67	AV	90	1	H	31.3	4.64	33.4	45.21	54	-8.79	Harmonic
7242	37.67	AV	180	1.2	H	35.4	4.51	33.7	43.88	54	-10.12	Harmonic
2414	85.50	AV	45	1	H	27.4	3.61	35.0	81.51	94	-12.49	Fundamental
7242	53.83	PK	45	1.2	H	35.4	4.51	33.7	60.04	74	-13.96	Harmonic
9656	50.50	PK	180	1.2	V	37.6	5.35	34.1	59.35	74	-14.65	Harmonic
4828	55.0	PK	180	1.2	H	31.3	4.64	33.4	57.54	74	-16.46	Harmonic
7242	50.67	PK	45	1.2	V	35.4	4.51	33.7	56.88	74	-17.12	Harmonic
4828	53.67	PK	180	1.2	V	31.3	4.64	33.4	56.21	74	-17.79	Harmonic
2414	100.0	PK	90	1	V	27.4	3.61	35.0	96.01	114	-17.99	Fundamental
9656	44.50	PK	45	1.2	H	37.6	5.35	34.1	53.35	74	-20.65	Harmonic
2414	96.67	PK	90	1	H	27.4	3.61	35.0	92.68	114	-21.32	Fundamental

Frequency	Reading	Detector	Direction	Height	Polar	Antenna Loss	Cable loss	Amplifier Gain	Corr. Ampl.	FCC Part 15.209 & 15.249		
MHz	dBuV/m	PK/QP/AV	Degree	Meter	H / V	dB	dB	dB	dBuV/m	Limit dBuV/m	Margin dB	Comment
Middle Channel 2432MHz												
9728	41.00	AV	270	1.2	V	38.2	5.77	34.1	50.87	54	-3.13*	Harmonic
9728	39.17	AV	120	1	H	38.2	5.77	34.1	49.04	54	-4.96	Harmonic
2432	92.67	AV	152	1.3	V	27.4	3.61	35.0	88.68	94	-5.32	Fundamental
4864	45.83	AV	142	1.6	V	31.3	4.64	33.4	48.37	54	-5.63	Harmonic
4864	45.67	AV	243	1.4	H	31.3	4.64	33.4	48.21	54	-5.79	Harmonic
7269	40.33	AV	85	1.5	H	35.4	4.51	33.7	46.54	54	-7.46	Harmonic
7269	39.17	AV	135	1.3	V	35.4	4.51	33.7	45.38	54	-8.62	Harmonic
9728	53.50	PK	90	1.2	H	38.2	5.77	34.1	63.37	74	-10.63	Harmonic
7269	56.33	PK	265	1.4	H	35.4	4.51	33.7	62.54	74	-11.46	Harmonic
2432	86.00	AV	156	1.2	H	27.4	3.61	35.0	82.01	94	-11.99	Fundamental
9728	49.67	PK	210	1.2	V	38.2	5.77	34.1	59.54	74	-14.46	Harmonic
4864	56.50	PK	153	1.5	H	31.3	4.64	33.4	59.04	74	-14.96	Harmonic
2432	101.17	PK	60	1.4	V	27.4	3.61	35.0	97.18	114	-16.82	Fundamental
4864	53.33	PK	234	1.8	V	31.3	4.64	33.4	55.87	74	-18.13	Harmonic
7269	49.33	PK	156	1.4	V	35.4	4.51	33.7	55.54	74	-18.46	Harmonic
2432	95.83	PK	128	1.5	H	27.4	3.61	35.0	91.84	114	-22.16	Fundamental

Frequency	Reading	Detector	Direction	Height	Polar	Antenna Loss	Cable loss	Amplifier Gain	Corr. Ampl.	FCC Part 15.209 & 15.249		
MHz	dBuV/m	PK/QP/AV	Degree	Meter	H / V	dB	dB	dB	dBuV/m	Limit dBuV/m	Margin dB	Comment
High Channel 2468MHz												
4936	48.67	AV	142	1.5	V	32	4.55	33.4	51.82	54	-2.18*	Harmonic
4936	46.0	AV	256	1.8	H	32	4.55	33.4	49.15	54	-4.85	Harmonic
9872	39.17	AV	65	1.5	V	38.2	5.77	34.1	49.04	54	-4.96	Harmonic
9872	38.67	AV	65	1.5	H	38.2	5.77	34.1	48.54	54	-5.46	Harmonic
7404	42.00	AV	156	1.2	H	35.3	4.75	33.7	48.35	54	-5.65	Harmonic
7404	42.00	AV	324	1.2	V	35.3	4.75	33.7	48.35	54	-5.65	Harmonic
2468	89.50	AV	65	1.6	V	27.4	3.61	35.0	85.51	94	-8.49	Fundamental
2468	88.63	AV	65	1.5	H	27.4	3.61	35.0	84.64	94	-9.36	Fundamental
4936	58.0	PK	142	1.4	V	32	4.55	33.4	61.15	74	-12.85	Harmonic
4936	57.67	PK	145	1.4	H	32	4.55	33.4	60.82	74	-13.18	Harmonic
7404	54.00	PK	128	1.5	H	35.3	4.75	33.7	60.35	74	-13.65	Harmonic
9872	47.17	PK	90	1.5	V	38.2	5.77	34.1	57.04	74	-16.96	Harmonic
2468	100.67	PK	65	1.4	V	27.4	3.61	35.0	96.68	114	-17.32	Fundamental
9872	46.67	PK	90	1.5	H	38.2	5.77	34.1	56.54	74	-17.46	Harmonic
7404	49.83	PK	324	1.3	V	35.3	4.75	33.7	56.18	74	-17.82	Harmonic
2468	96.83	PK	89	1.5	H	27.4	3.61	35.0	92.84	114	-21.16	Fundamental

* Within measurement uncertainty.

§15.249(d) – OUT OF BAND EMISSION

Standard Applicable

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW of spectrum analyzer to 100KHz and VBW to 300KHz with a convenient frequency span including 100kHz bandwidth from band edge.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde&Schwarz	EMI Test Receivr	ESCI	100028	2006-8-17	2007-8-17

* **Statement of Traceability:** Bay Area Compliance Laboratory Corp. (ShenZhen) Corp. attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Data

Environmental Conditions

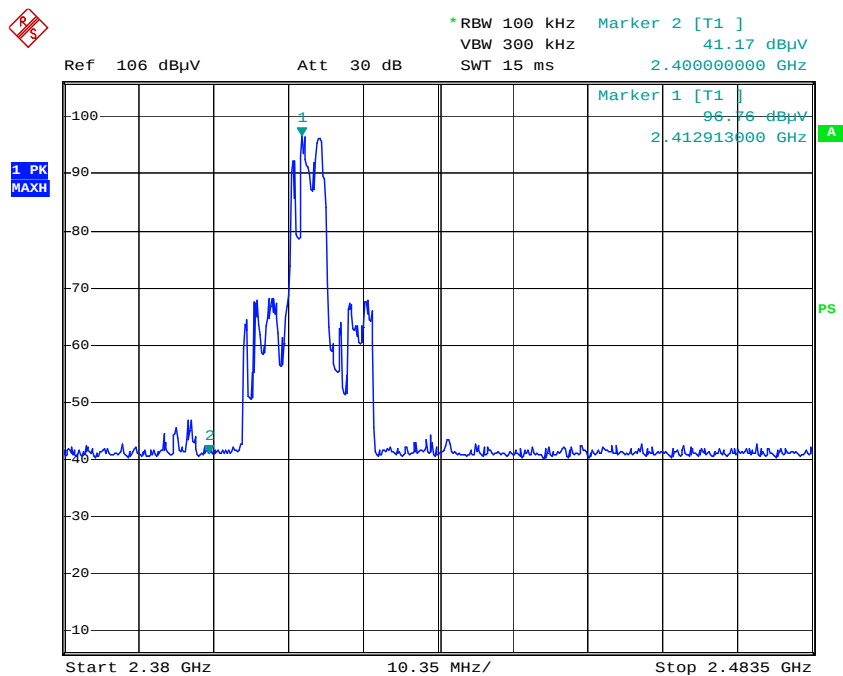
Temperature:	25 °C
Relative Humidity:	55%
ATM Pressure:	1016mbar

The testing was performed by Merry Zhao on 2006-10-26.

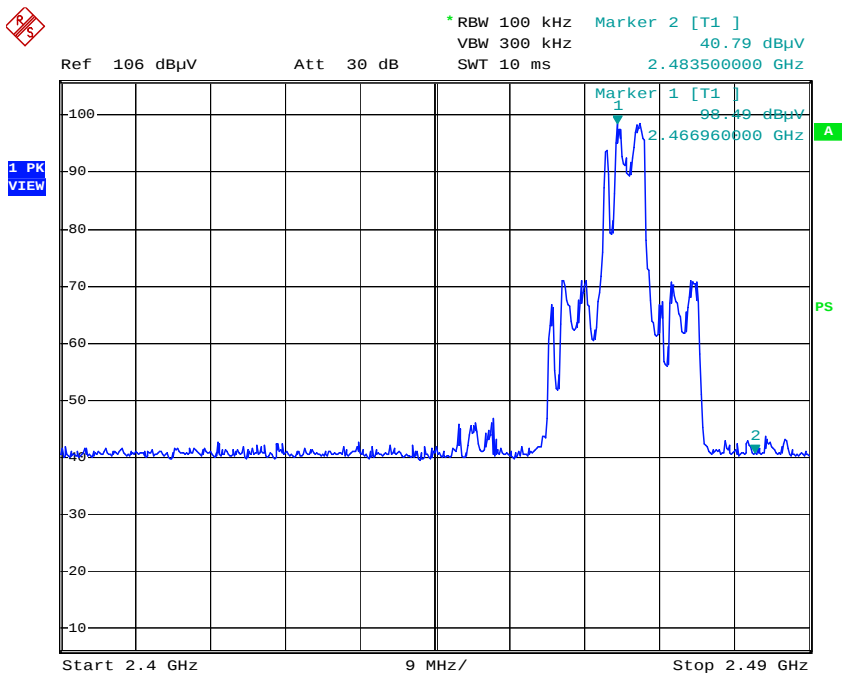
Frequency MHz	Out of Band Emission Attenuation dB	Limit dB	Result
2400.0	57.70	50	Pass
2483.5	55.59	50	Pass

Test Result Pass

Refer to the attached plots.



Date: 26.OCT.2006 15:47:55



Date: 26.OCT.2006 15:51:00