



NVLAP LAB CODE 200707-0



FCC PART 15.247

MEASUREMENT AND TEST REPORT

For

Shenzhen Hongjiayuan Communication Technology Co., Ltd.

Room 2406, Block A of Electronic Science and Technology Building,
No.2070, Shennan Zhong Road, Futian District,
Shenzhen City, Guangdong Province, China

FCC ID: XUT-W008

Report Type: Original Report	Product Type: GSM/GPRS Mobile Phone
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Report Date: <u>2009-12-24</u>	
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* This report may contain data that are not covered by the NVLAP accreditation and are marked with an asterisk "*" (Rev.2)

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The *Shenzhen Hongjiayuan Communication Technology Co., Ltd.*'s product, model number: *W008 (FCC ID: XUT-W008)* or the "EUT" as referred to in this report is a *GSM/GPRS Mobile Phone*, which measures approximately: 11.3 cm L x 5.5 cm W x 1.4 cm H, rated input voltage: DC 3.7V battery.

Frequency Range:

Cellular Band: 824-849 MHz (TX), 869-894 MHz (RX)
PCS Band: 1850-1910 MHz (TX), 1930-1990 MHz (RX)
Bluetooth: 2400-2483.5 MHz (TX/RX)
Wi-Fi: 2412-2462 MHz (TX/ RX)

Modulation Mode: GMSK (GSM/PCS) , GFSK (Bluetooth) , CCK/ OFDM(Wi-Fi)

Transmitter Output Power:

Cellular Band: 33±2 dBm
PCS Band: 30±2 dBm
Bluetooth: -6~4 dBm
Wi-Fi: 802.11b 15±1 dBm, 802.11g 13±1 dBm

**All measurement and test data in this report was gathered from production sample serial number: M_IMEI: 357908020000199, S_IMEI: 357908020000272 (Assigned by the applicant). The EUT was received on 2009-11-11.*

Objective

This Type approval report is prepared on behalf of *Shenzhen Hongjiayuan Communication Technology Co., Ltd.* in accordance with Part 2, Subpart J, 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 15.247 rules.

This measurement and test report only pertains to the Bluetooth portion of the EUT; for measurement and test results to the Cellular Band 850, PCS 1900 function please refer to report RSZA09120301-22 24 issued by Shenzhen BACL.

Based on the Product Similarity Declaration provided by the applicant, the difference between the EUT and the previous certified product is the antenna and circuit keyboard, the main board and RF characteristics are exactly same, the RF Exposure, Antenna Requirement, Radiated Spurious Emissions and Conducted Emissions have been investigated, the 20 dB Bandwidth, Channel Separation, Time of Occupancy, Quantity of hopping channel, Peak Output Power, Band Edge can be referred to FCC ID: XUT-W007, certified on 2009-12-04, test report No: RSZ09111101-BT. Please refer to the product similarity declaration letter attached in Appendix A.

Related Submittal(s)/Grant(s)

FCC Part 22H/24E, FCC Part 15.247(Wi-Fi) submission with FCC ID: XUT-W008.

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 emissions measurement was performed and 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 in 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 November 21, 2007. 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 Laboratories 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/Standards/scopes/2007070.htm>

SYSTEM TEST CONFIGURATION

Description of Test Configuration

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

Equipment Modifications

No modification was made to the unit tested.

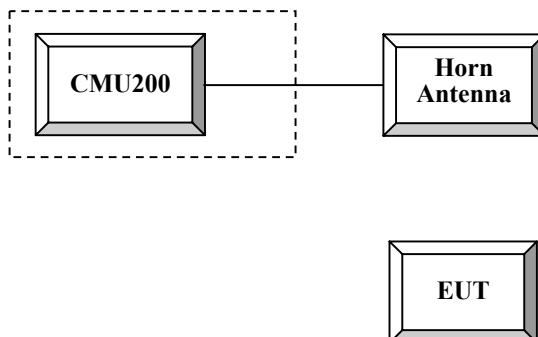
Local Support Equipment List and Details

Manufacturer	Description	Model	Serial Number	FCC ID
R & S	Universal Radio commutation tester	CMU200	1100.0008.02	DoC

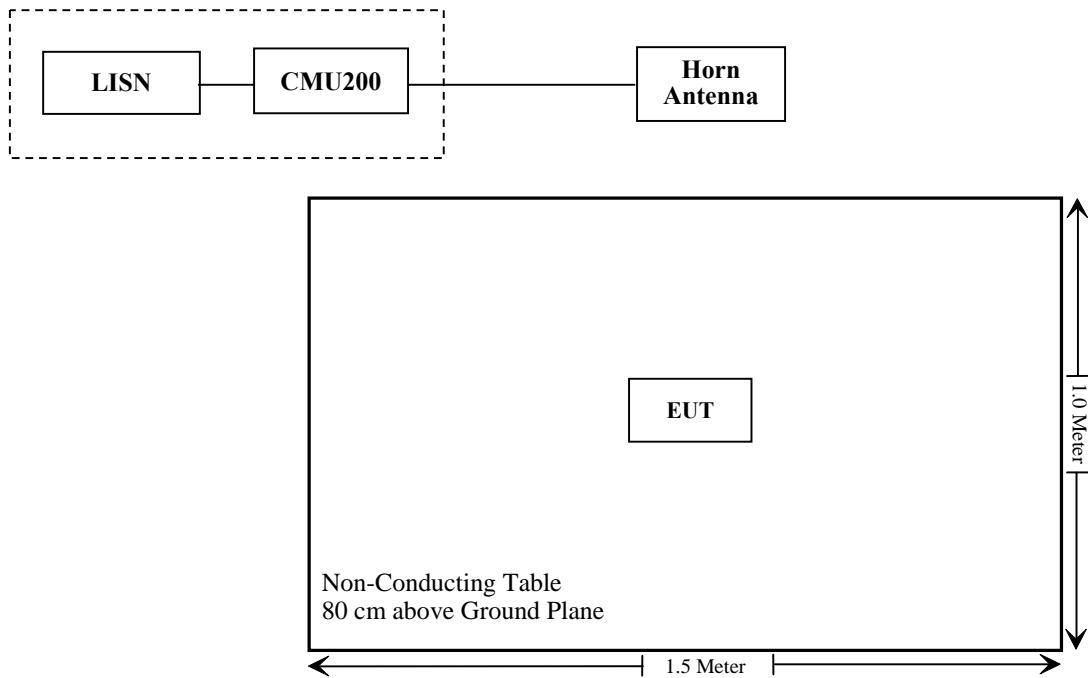
External I/O Cable

Cable Description	Length (m)	From/Port	To
Unshielded Detachable DC Cable	0.96	Adapter	EUT

Configuration of Test Setup



Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.247 (i), §2.1093	RF Exposure	Compliant
§15.203	Antenna Requirement	Compliant
§15.207 (a)	Conducted Emissions	Compliant *
§15.205, §15.209, §15.247(d)	Radiated Emissions	Compliant
§15.247 (a)(1)	20 dB Bandwidth	Compliant *
§15.247(a)(1)	Channel Separation Test	Compliant *
§15.247(a)(1)(iii)	Time of Occupancy (Dwell Time)	Compliant *
§15.247(a)(1)(iii)	Quantity of hopping channel Test	Compliant *
§15.247(b)(1)	Peak Output Power Measurement	Compliant *
§15.247(d)	Band edges	Compliant *

Note: * Please referred to FCC ID: XUT-W007, certified on 2009-12-04, test report No.: RSZ09111101-BT.

CFR47 §15.247 (i) & §2.1093 - RF EXPOSURE

Standard Applicable

According to §15.247 (i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Table 2 – Summary of SAR Evaluation Requirements for a Cell Phone with Multiple Transmitters

	Individual Transmitter	Simultaneous Transmission
Licensed Transmitters	<u>Routine evaluation required</u>	<u>SAR not required:</u> <u>Unlicensed only</u> <ul style="list-style-type: none"> ○ when stand-alone 1-g SAR is not required and antenna is ≥ 5 cm from other antennas <u>Licensed & Unlicensed</u> <ul style="list-style-type: none"> ○ when the sum of the 1-g SAR is < 1.6 W/kg for all simultaneous transmitting antennas ○ when SAR to peak location separation ratio of simultaneous transmitting antenna pair is < 0.3 <u>SAR required:</u> <u>Licensed & Unlicensed</u> antenna pairs with SAR to peak location separation ratio ≥ 0.3 ; test is only required for the configuration that results in the highest SAR in stand-alone configuration for each wireless mode and exposure condition <u>Note: simultaneous transmission exposure conditions for head and body can be different for different style phones; therefore, different test requirements may apply</u>
Jaw, Mouth and Nose	<u>Flat phantom SAR required</u> <ul style="list-style-type: none"> ○ when measurement is required in tight regions of SAM and it is not feasible or the results can be questionable due to probe tilt, calibration, positioning and orientation issues ○ position rectangular and clam-shell phones according to flat phantom procedures and conduct SAR measurements for these specific locations 	When simultaneous transmission SAR testing is required, contact the FCC Laboratory for interim guidance.

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval.

Three antennas are available for the EUT, one is GSM850/PCS1900 antenna, the other is Wi-Fi antenna and the third is Bluetooth antenna, the distance between GSM/PCS and Bluetooth is less than 2.5 cm, the distance between Wi-Fi and Bluetooth is more than 5 cm. according to FCC KDB 648474 D01 SAR Handsets Multi Xmitter and ant, V01r05 released on September 2008, the Max peak output power of Bluetooth is $1.089 \text{ mW} < P_{\text{Ref}}$ (12 mw), stand-alone SAR is not required for Bluetooth antenna.

Result

Stand-alone SAR is exempt for Bluetooth radio.

CFR47 §15.203 - ANTENNA REQUIREMENT

Standard Applicable

According to CFR47 § 15.203, 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. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Antenna Connector Construction

The EUT has 3 antennas, one is for Bluetooth, the gain is 0.0 dBi; one is for Wi-Fi, the gain is 0.0 dBi; other is for GSM850/PCS1900, the gain of PCS is -0.3 dBi, the gain of GSM850 is 0.7 dBi. All antennas are permanently attached.

Result: Compliant.

CFR47 §15.207(a) - CONDUCTED EMISSIONS

Applicable Standard

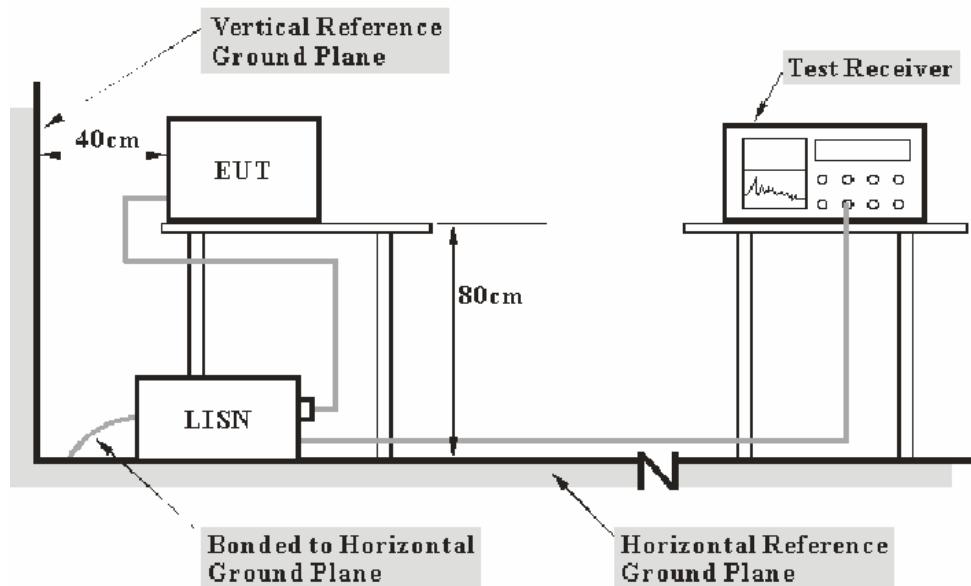
CFR47 §15.207

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.

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:

<i>Frequency Range</i>	<i>IF B/W</i>
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	12208	N/A	N/A
Rohde & Schwarz	EMI Test Receiver	ESCS30	830245/006	2009-04-28	2010-04-27
Rohde & Schwarz	L.I.S.N.	ESH2-Z5	892107/021	2009-04-28	2010-04-27
Rohde & Schwarz	Universal Radio Communication Tester	CMU200	109038	2009-06-11	2010-06-10

* 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:

7.26 dB at 29.950 MHz in the **Line** conductor mode
5.97 dB at 29.950 MHz in the **Neutral** conductor mode

Test Data

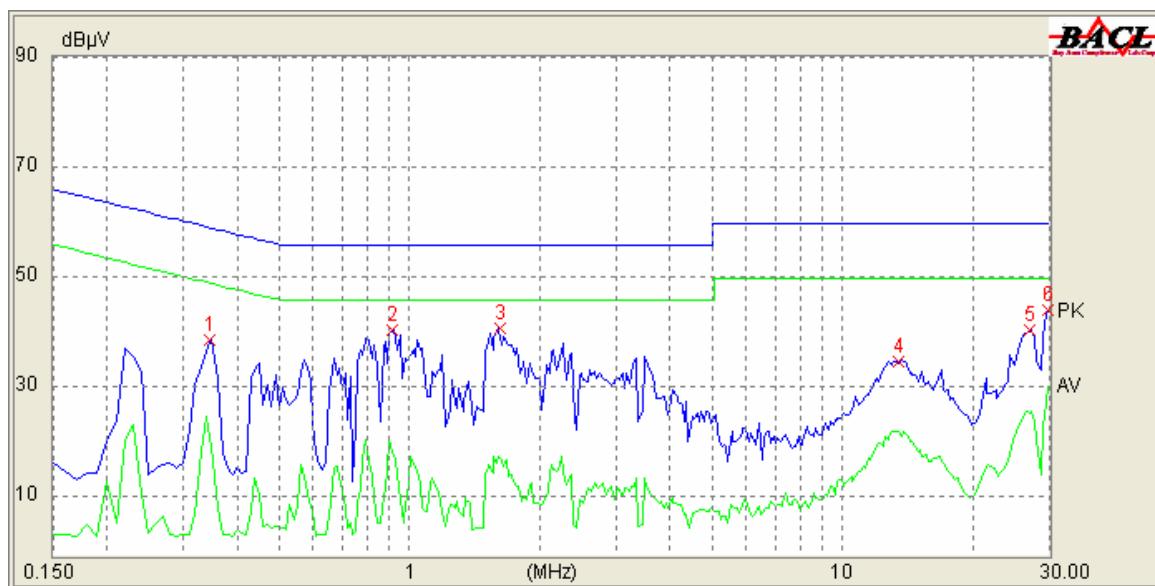
Environmental Conditions

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

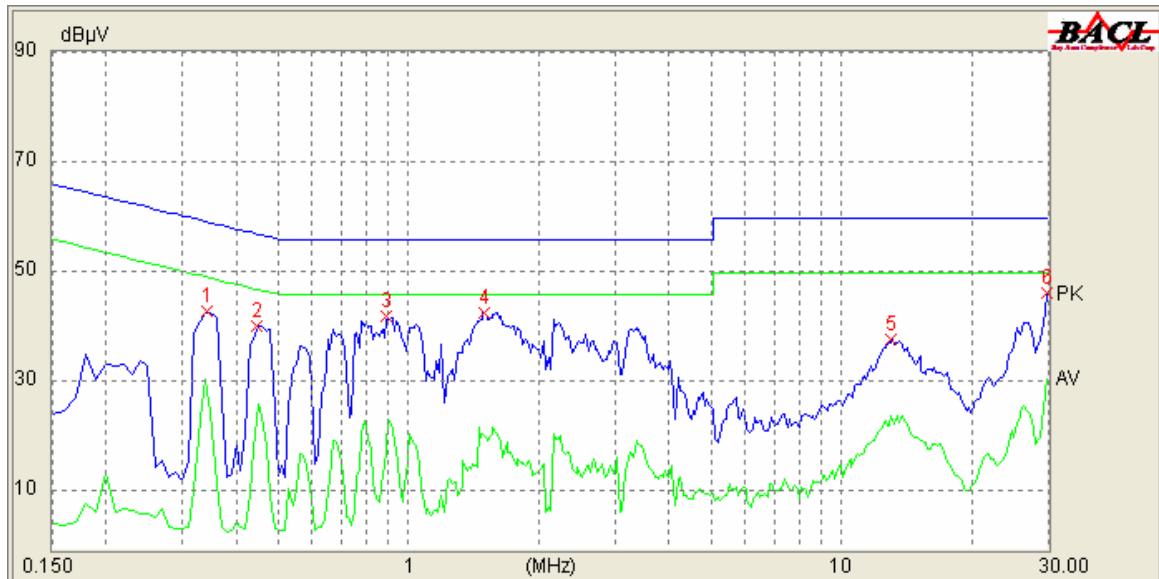
* The testing was performed by Chris Peng on 2009-12-24.

Test Mode: charging & communication

120 V/60 Hz, Line:



Frequency (MHz)	Correct Factor (dB)	Cord. Reading (dBµV)	Limit (dBµV)	Margin (dB)	Detector (PK/AV/QP)
29.950	10.30	40.74	48.00	7.26	QP
29.880	10.30	30.74	50.00	19.26	AV
0.920	10.10	34.54	56.00	21.46	QP
1.610	10.10	33.65	56.00	22.35	QP
27.020	10.30	25.57	50.00	24.43	AV
0.350	10.10	23.63	49.07	25.44	AV
0.350	10.10	33.28	59.07	25.79	QP
0.910	10.10	19.86	46.00	26.14	AV
13.480	10.30	22.23	50.00	27.77	AV
1.610	10.10	17.75	46.00	28.25	AV
13.480	10.30	31.36	60.00	28.64	QP
27.150	10.30	30.79	60.00	29.21	QP

120 V/60 Hz, Neutral:

Frequency (MHz)	Correct Factor (dB)	Cord. Reading (dBµV)	Limit (dBµV)	Margin (dB)	Detector (PK/AV/QP)
29.950	10.30	42.03	48.00	5.97	QP
29.950	10.30	31.18	50.00	18.82	AV
0.350	10.10	29.84	49.07	19.23	AV
0.450	10.10	37.35	56.98	19.63	QP
0.350	10.10	39.14	59.07	19.93	QP
0.890	10.10	35.80	56.00	20.20	QP
0.450	10.10	26.12	46.98	20.86	AV
1.490	10.10	35.13	56.00	20.87	QP
0.890	10.10	22.11	46.00	23.89	AV
1.490	10.10	20.96	46.00	25.04	AV
12.950	10.30	22.40	50.00	27.60	AV
12.980	10.30	28.43	60.00	31.57	QP

CFR47 §15.205, §15.209 & §15.247 - RADIATED EMISSIONS

Applicable Standard

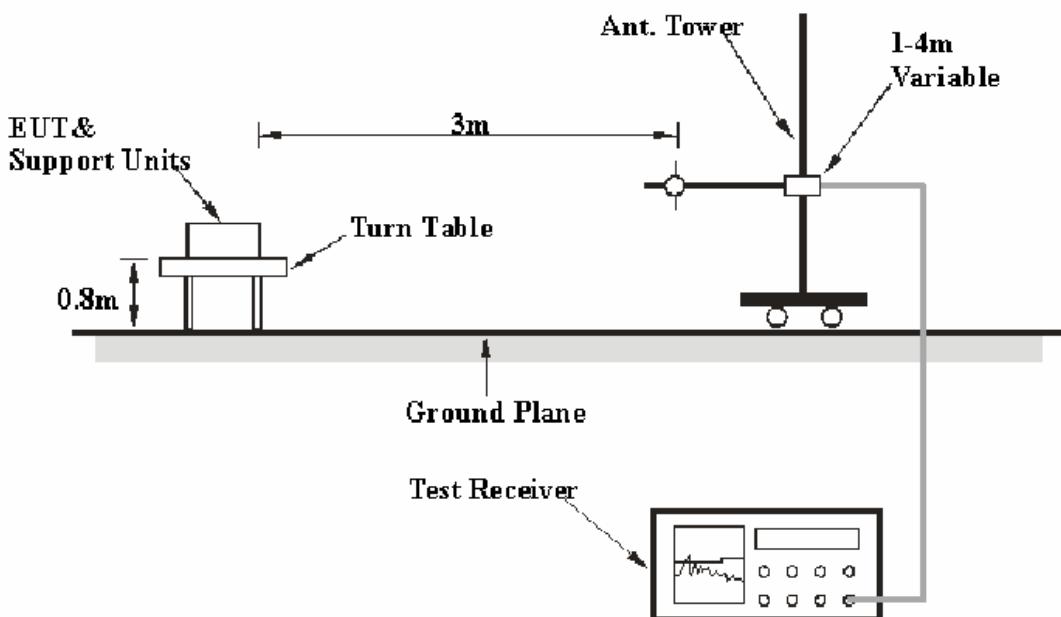
CFR47 §15.205; §15.209; §15.247 (d)

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 Laboratories Corp. (Shenzhen) is ± 4.0 dB.

EUT Setup



The radiated emission tests were performed in the 3 meters chamber B test site, using the setup accordance with the ANSI C63.4-2003. The specification used was the FCC 15.209 and FCC 15.247 limits.

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 25 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

Frequency Range	RBW	Video B/W
30MHz – 1000 MHz	100 kHz	300 kHz
1000 MHz – 25 GHz	1 MHz	3 MHz

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
HP	Amplifier	HP8447D	2944A09795	2009-08-02	2010-08-02
Rohde & Schwarz	EMI Test Receiver	ESCI	100035	2009-11-07	2010-11-06
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2009-03-11	2010-03-11
HP	Amplifier	8449B	3008A00277	2009-09-12	2010-09-11
Sunol Sciences	Horn Antenna	DRH-118	A052604	2009-05-05	2010-05-04
Rohde & Schwarz	Universal Radio Communication Tester	CMU200	109038	2009-06-11	2010-06-10
Rohde & Schwarz	Spectrum Analyzer	FSEM30	849720/019	2009-07-08	2010-07-07

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

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-1GHz and peak and Average detection modes for frequencies above 1GHz.

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 maximum 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 EUT complied with the FCC Title 47, Part 15, Subpart C, section 15.205, 15.209 and 15.247, with the worst margin reading of:

Transmitting mode (Below 1 GHz):

19.7 dB at **886.605750 MHz** in the **Horizontal** polarization

Transmitting mode (Above 1 GHz):

9.32 dB at **4804 MHz** in the **Horizontal** polarization (Low Channel)
9.45 dB at **4882 MHz** in the **Horizontal** polarization (Middle Channel)
9.84 dB at **4960 MHz** in the **Horizontal** polarization (High Channel)

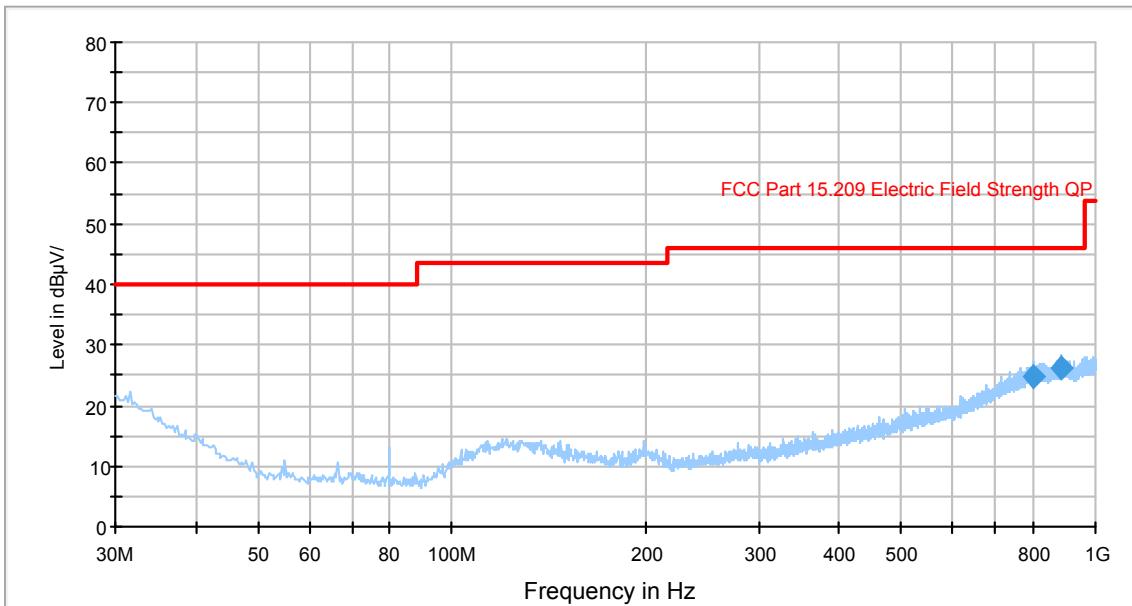
Test Data

Environmental Conditions

Temperature:	27 °C
Relative Humidity:	56 %
ATM Pressure:	100.9 kPa

* The testing was performed by Chris Peng on 2009-12-13.

Test Mode: Transmitting (below 1 GHz)



Frequency (MHz)	Corrected Amp. (dB μ V/m)	Antenna Height (cm)	Antenna Polarity (H/V)	Turntable Position (deg)	Correction Factor (dB)	Limit (dB μ V/m)	Margin (dB)
886.605750	26.3	295.0	H	247.0	-0.3	46.0	19.7
799.274250	24.9	191.0	V	49.0	-1.3	46.0	21.1

Test Mode: Transmitting (Above 1 GHz)

Freq. (MHz)	S.A. Reading (dB μ V/m)	Detector (PK/QP/AV)	Direction Degree	Test Antenna			Cable Loss (dB)	Pre- Amp. Gain (dB)	Cord. Amp. (dB μ V/m)	FCC Part 15.247/209		
				Height (m)	Polar (H/V)	Factor (dB/m)				Limit (dB μ V/m)	Margin (dB)	Comment
Low Channel (2402 MHz)												
4804	33.28	AV	124	1.2	H	36.3	8.8	33.7	44.68	54	9.32	harmonic
4804	33.44	AV	56	1.1	V	35.0	8.8	33.7	43.54	54	10.46	harmonic
7206	30.22	AV	68	1.1	H	39.2	5.1	33.6	40.92	54	13.08	harmonic
7206	31.37	AV	223	1.0	V	38.0	5.1	33.6	40.87	54	13.13	harmonic
4804	46.32	PK	124	1.2	H	36.3	8.8	33.7	57.72	74	16.28	harmonic
4804	46.67	PK	56	1.1	V	35.0	8.8	33.7	56.77	74	17.23	harmonic
7206	43.65	PK	68	1.1	H	39.2	5.1	33.6	54.35	74	19.65	harmonic
7206	44.21	PK	223	1.0	V	38.0	5.1	33.6	53.71	74	20.29	harmonic
Middle Channel (2441 MHz)												
4882	33.15	AV	203	1.2	H	36.3	8.8	33.7	44.55	54	9.45	harmonic
4882	33.46	AV	275	1.0	V	35.0	8.8	33.7	43.56	54	10.44	harmonic
7323	30.48	AV	114	1.1	H	39.2	5.1	33.6	41.18	54	12.82	harmonic
7323	31.47	AV	63	1.0	V	38.0	5.1	33.6	40.97	54	13.03	harmonic
4882	46.42	PK	203	1.2	H	36.3	8.8	33.7	57.82	74	16.18	harmonic
4882	46.11	PK	275	1.0	V	35.0	8.8	33.7	56.21	74	17.79	harmonic
7323	44.86	PK	63	1.0	V	38.0	5.1	33.6	54.36	74	19.64	harmonic
7323	43.54	PK	114	1.1	H	39.2	5.1	33.6	54.24	74	19.76	harmonic
High Channel (2480 MHz)												
4960	32.76	AV	336	1.2	H	36.3	8.8	33.7	44.16	54	9.84	harmonic
4960	33.87	AV	48	1.1	V	35.0	8.8	33.7	43.97	54	10.03	harmonic
7440	31.21	AV	205	1.3	H	39.2	5.1	33.6	41.91	54	12.09	harmonic
7440	31.58	AV	114	1.0	V	38.0	5.1	33.6	41.08	54	12.92	harmonic
4960	45.71	PK	336	1.2	H	36.3	8.8	33.7	57.11	74	16.89	harmonic
4960	46.35	PK	48	1.1	V	35.0	8.8	33.7	56.45	74	17.55	harmonic
7440	43.90	PK	205	1.3	H	39.2	5.1	33.6	54.60	74	19.40	harmonic
7440	43.59	PK	114	1.0	V	38.0	5.1	33.6	53.09	74	20.91	harmonic

Spurious emission in restricted band

Freq. (MHz)	S.A. Reading (dB μ V/m)	Detector (PK/QP/AV)	Direction Degree	Test Antenna			Cable Loss (dB)	Pre- Amp. Gain (dB)	Cord. Amp. (dB μ V/m)	FCC Part 15.247/209		
				Height (m)	Polar (H/V)	Factor (dB/m)				Limit (dB μ V/m)	Margin (dB)	Comment
Spurious emission in restricted band												
2483.96	56.54	PK	118	1.1	V	30.3	7.9	30.9	63.84	74	10.16	spurious
2325.87	34.40	AV	136	1.2	H	30.9	7.9	30.9	42.30	54	11.70	spurious
2484.39	54.22	PK	262	1.3	H	30.9	7.9	30.9	62.12	74	11.88	spurious
2483.96	34.68	AV	118	1.1	V	30.3	7.9	30.9	41.98	54	12.02	spurious
2484.39	34.00	AV	262	1.3	H	30.9	7.9	30.9	41.90	54	12.10	spurious
2332.60	33.75	AV	75	1.0	V	30.3	7.9	30.9	41.05	54	12.95	spurious
2332.60	47.59	PK	75	1.0	V	30.3	7.9	30.9	54.89	74	19.11	spurious
2325.87	46.72	PK	136	1.2	H	30.9	7.9	30.9	54.62	74	19.38	spurious

CFR47 §15.247(a) (1)-CHANNEL SEPARATION TEST

Applicable Standard

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater provided the systems operate with an output power no greater than 125 mW.

Test Result

Please refer to FCC ID: XUT-W007, certified on 2009-12-04, test report No.: RSZ09111101-BT.

CFR47 §15.247(a) (1) – 20 dB BANDWIDTH TESTING

Applicable Standard

Alternatively, frequency hopping systems operating in the 2400–2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125mW.

Test Result

Please refer to FCC ID: XUT-W007, certified on 2009-12-04, test report No.: RSZ09111101-BT.

CFR47 §15.247(a) (1) (iii)-QUANTITY OF HOPPING CHANNEL TEST

Applicable Standard

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

Test Result

Please refer to FCC ID: XUT-W007, certified on 2009-12-04, test report No.: RSZ09111101-BT.

CFR47 §15.247(a) (1) (iii) -TIME OF OCCUPANCY (DWELL TIME)

Applicable Standard

Frequency hopping systems in the 2400-2483.5 MHz shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

Test Result

Please refer to FCC ID: XUT-W007, certified on 2009-12-04, test report No.: RSZ09111101-BT.

CFR47 §15.247(b) (1) - PEAK OUTPUT POWER MEASUREMENT

Applicable Standard

According to §15.247(b) (1), for frequency hopping systems operating in the 2400–2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725–5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400–2483.5 MHz band: 0.125 watts.

Test Result

Please refer to FCC ID: XUT-W007, certified on 2009-12-04, test report No.: RSZ09111101-BT.

CFR47 §15.247(d) - BAND EDGES TESTING

Applicable Standard

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

Test Result

Please refer to FCC ID: XUT-W007, certified on 2009-12-04, test report No.: RSZ09111101-BT.

appearance、 antenna and the circuit of the keyboard on the main board.

Please contact me if you have any question.

Cong Chen



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Product Similarity Declaration

To Whom It May Concern,

We, Shenzhen Hongjiayuan Communication Technology CO.,LTD. , hereby declare that
our Product: GSM/GPRS Mobile Phone, Model Number: W008 is identical with the
Model Number: W007 that was certified by BACL except the model name、 the
appearance、 antenna and the circuit of the keyboard on the main board.

Please contact me if you have any question.

Cong Chen

Signature:

Print Name: Cong Chen

Title: Manager
Date:2009-12-22

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