



# FCC Test Report

**APPLICANT** : Motorola Mobility Inc  
**EQUIPMENT** : Mobile phone  
**BRAND NAME** : Motorola  
**MODEL NAME** : WX306  
**TYPE NAME** : M0C42  
**FCC ID** : IHDT56MZ3  
**STANDARD** : FCC 47 CFR FCC Part 15 Subpart B  
**CLASSIFICATION** : Certification

The product was received on Aug. 05, 2011 and completely tested on Aug. 05, 2011. We, SPORTON INTERNATIONAL (KUNSAHN) INC., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.4-2003 and shown the compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL (KUNSHAN) INC., the test report shall not be reproduced except in full.

Reviewed by:

Jones Tsai / Manager



**SPORTON INTERNATIONAL (KUNSHAN) INC.**  
**No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P.R.C.**



## TABLE OF CONTENTS

**REVISION HISTORY..... 3**

**SUMMARY OF TEST RESULT ..... 4**

**1. GENERAL DESCRIPTION ..... 5**

    1.1. Applicant..... 5

    1.2. Manufacturer ..... 5

    1.3. Feature of Equipment Under Test..... 5

    1.4. Test Site ..... 6

    1.5. Applied Standards ..... 6

    1.6. Ancillary Equipment List..... 7

**2. TEST CONFIGURATION OF EQUIPMENT UNDER TEST ..... 8**

    2.1. Test Mode ..... 8

    2.2. Connection Diagram of Test System ..... 10

    2.3. Test Software ..... 10

**3. TEST RESULT ..... 11**

    3.1. Test of AC Conducted Emission Measurement ..... 11

    3.2. Test of Radiated Emission Measurement ..... 15

**4. LIST OF MEASURING EQUIPMENT ..... 19**

**5. UNCERTAINTY OF EVALUATION ..... 20**

**APPENDIX A. PHOTOGRAPHS OF EUT**

**APPENDIX B. SETUP PHOTOGRAPHS**





### SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.107	AC Conducted Emission	< 15.107 limits	PASS	Under limit 15.05 dB at 0.22 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 4.94 dB at 849.50 MHz



# 1. General Description

## 1.1. Applicant

**Motorola Mobility Inc**

No.1 Wang Jing East Road,Chao Yang District, 100102 Beijing, P. R. China

## 1.2. Manufacturer

**Gongqingcheng Cellon Communication Technology Co., LTD**

New industrial park, GongQingCheng, Jiujiang city, Jiangxi Province, China. Postal code: 332020

## 1.3. Feature of Equipment Under Test

Product Feature & Specification	
<b>Equipment</b>	Mobile phone
<b>Brand Name</b>	Motorola
<b>Model Name</b>	WX306
<b>Type Name</b>	M0C42
<b>FCC ID</b>	IHDT56MZ3
<b>Tx Frequency Range</b>	GSM850 : 824 MHz ~ 849 MHz GSM1900 : 1850 MHz ~ 1910 MHz WCDMA Band V : 824 MHz ~ 849 MHz WCDMA Band II : 1850 MHz ~ 1910 MHz Bluetooth : 2400 MHz ~ 2483.5 MHz
<b>Rx Frequency Range</b>	GSM850 : 869 MHz ~ 894 MHz GSM1900 : 1930 MHz ~ 1990 MHz WCDMA Band V : 869 MHz ~ 894 MHz WCDMA Band II : 1930 MHz ~ 1990 MHz Bluetooth : 2400 MHz ~ 2483.5 MHz
<b>Antenna Type</b>	WWAN : Fixed Internal Antenna Bluetooth : PIFA Antenna
<b>HW Version</b>	B1
<b>SW Version</b>	BUNTNG3_U_08.0E.2RDS
<b>Type of Modulation</b>	GSM / GPRS : GMSK WCDMA : QPSK Bluetooth (1Mbps) : GFSK Bluetooth EDR (2Mbps) : $\pi/4$ -DQPSK Bluetooth EDR (3Mbps) : 8-DPSK
<b>EUT Stage</b>	Production Unit

**Remark:** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.



### 1.4. Test Site

<b>Test Site</b>	SPORTON INTERNATIONAL (KUNSHAN) INC.	
<b>Test Site Location</b>	No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P.R.C. TEL: +86-0512-5790-0158 FAX: +86-0512-5790-0958	
<b>Test Site No.</b>	<b>Sporton Site No.</b>	
	CO01-KS	03CH01-KS

### 1.5. Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC 47 CFR FCC Part 15 Subpart B
- ANSI C63.4-2003

**Remark:**

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This report is intention of applying for FCC 15B Certification only.



### 1.6. Ancillary Equipment List

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Base Station	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	Signal Generator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
3.	PC	DELL	DCSM	Fcc DoC	N/A	Unshielded, 1.8 m
4.	Bluetooth Earphone	Nokia	BH-102	PYAHS-107W	N/A	N/A
5.	Bluetooth Earphone	CELLINK	BTHS-6025-F	PQY-4710874200357	N/A	N/A
6.	(USB) Mouse	DELL	N231	Fcc DoC	Shielded, 1.8 m	N/A
7.	(USB) Keyboard	DELL	SK-8115	Fcc DoC	Shielded, 1.8 m with Core	N/A
8.	iPod	Apple	A1199	Fcc DoC	Shielded, 1.2 m	N/A
9.	Printer	HP	Laser Jet 1018	Fcc DoC	Shielded, 1.8 m	Unshielded, 1.8 m
10.	Monitor	DELL	E1910Hc	Fcc DoC	Shielded, 1.2 m	Unshielded, 1.8 m

## 2. Test Configuration of Equipment Under Test

### 2.1. Test Mode

The EUT has been associated with peripherals pursuant to ANSI C63.4-2003 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

Frequency range investigated: conduction (150 kHz to 30 MHz), radiation (30MHz to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

The following tables are showing the test modes as the worst cases and recorded in this report.

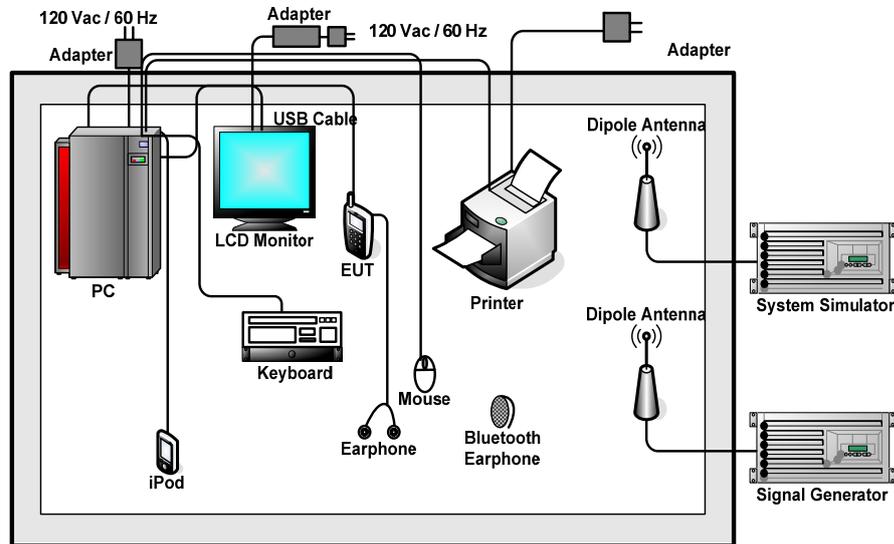
Item	EUT Configuration	Test Condition		
		EMI AC	EMI RE<1G	EMI RE≥1G
1.	USB Data Exchange Mode (EUT with PC)	☒	☒	☒

**Abbreviations:**

- EMI AC: AC conducted emissions
- EMI RE ≥ 1G: EUT radiated emissions ≥ 1GHz
- EMI RE < 1G: EUT radiated emissions < 1GHz

Test Items	EUT Configure Mode	Function Type
AC Conducted Emission	1	Mode 1: GSM 1900 Idle + Bluetooth Idle + Earphone + FM Rx + USB Cable (Link with PC) Mode 2: WDCMA Band V Idle + Bluetooth Idle + Earphone + FM Rx + USB Cable (Link with PC) Mode 3: WDCMA Band II Idle + Bluetooth Idle + Earphone + FM Rx + USB Cable (Link with PC)
Radiated Emissions < 1GHz	1	Mode 1: GSM 1900 Idle + Bluetooth Idle + Earphone + FM Rx + USB Cable (Link with PC) Mode 2: WDCMA Band V Idle + Bluetooth Idle + Earphone + FM Rx + USB Cable (Link with PC) Mode 3: WDCMA Band II Idle + Bluetooth Idle + Earphone + FM Rx + USB Cable (Link with PC)
Radiated Emissions ≥ 1GHz	1	Mode 1: WDCMA Band II Idle + Bluetooth Idle + Earphone + FM Rx + USB Cable (Link with PC)
<b>Remark:</b> <ol style="list-style-type: none"> <li>1. The worst case of AC Conducted Emission is mode 3; only the test data of this mode was reported.</li> <li>2. The worst case of RE &lt; 1G is mode 3; only the test data of this mode was reported.</li> </ol>		

## 2.2. Connection Diagram of Test System



## 2.3. Test Software

The EUT was in GSM or WCDMA idle mode during the testing. The EUT was synchronized to the BCCH, and is in continuous receiving mode by setting system simulator's paging reorganization.

At the same time, the EUT was attached to the Bluetooth earphone, and the following programs installed in the EUT were programmed during the test.

1. Execute the program, "Winthrax" installed in notebook or PC for active sync files transfer with EUT via USB cable / iPod.
2. Keep the EUT receiving signals continuously in FM Rx mode.

### 3. Test Result

#### 3.1. Test of AC Conducted Emission Measurement

##### 3.1.1 Limits of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

\*Decreases with the logarithm of the frequency.

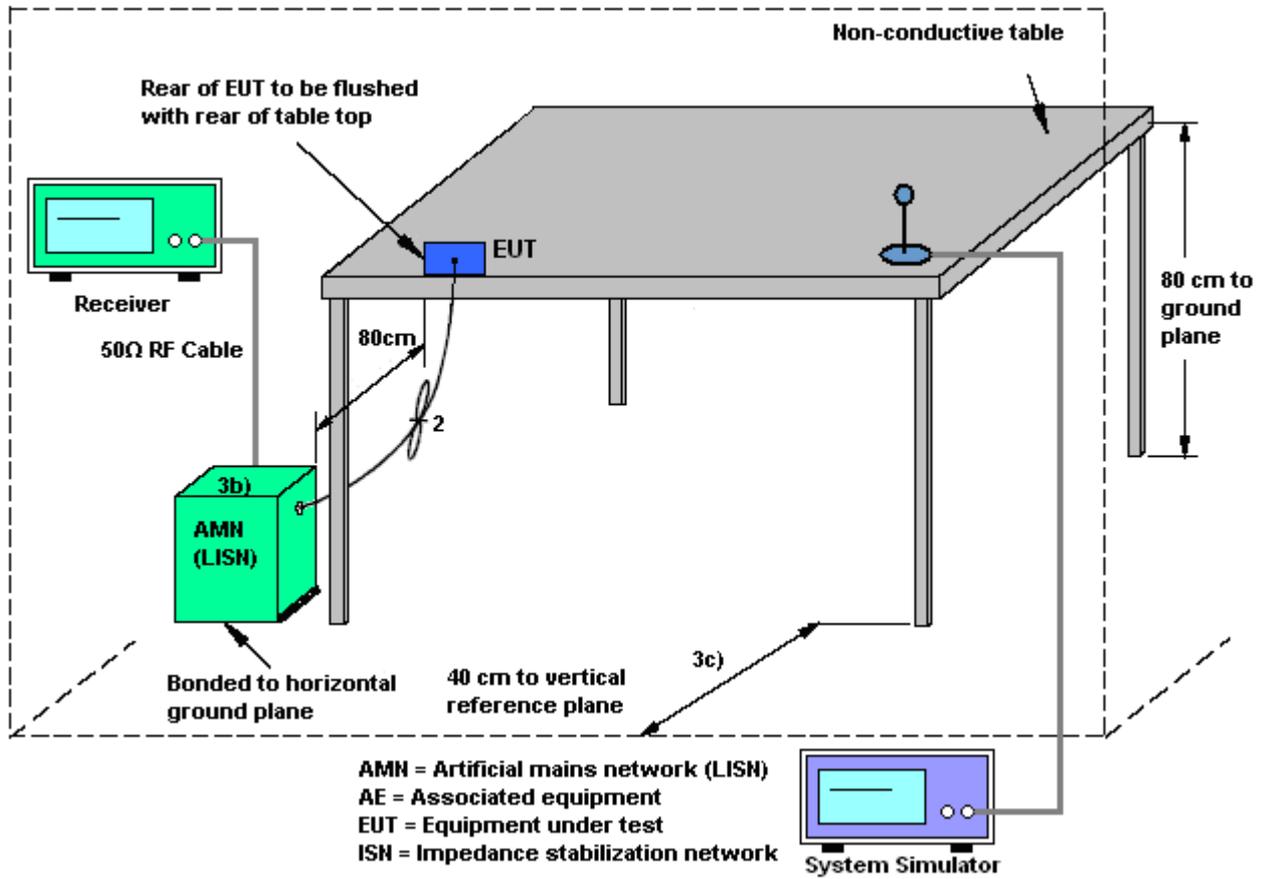
##### 3.1.2 Measuring Instruments

See list of measuring instruments of this test report.

##### 3.1.3 Test Procedure

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. The EUT link with PC, connect PC to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

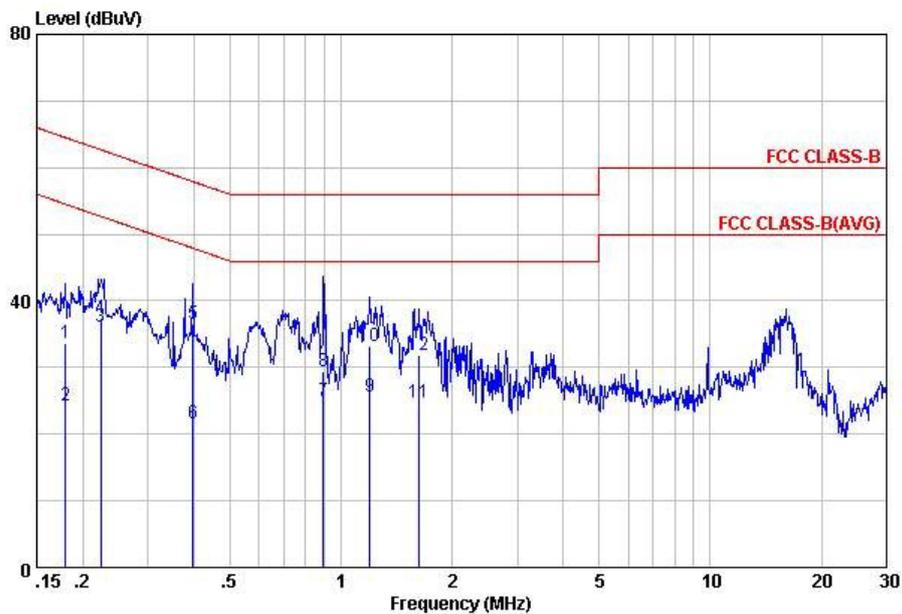
3.1.4 Test Setup





3.1.5 Test Result of AC Conducted Emission

Test Mode :	Mode 3	Temperature :	23~24°C
Test Engineer :	Chenmy Cheng	Relative Humidity :	44~45%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	WDCMA Band II Idle + Bluetooth Idle + Earphone + FM Rx + USB Cable (Link with PC)		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

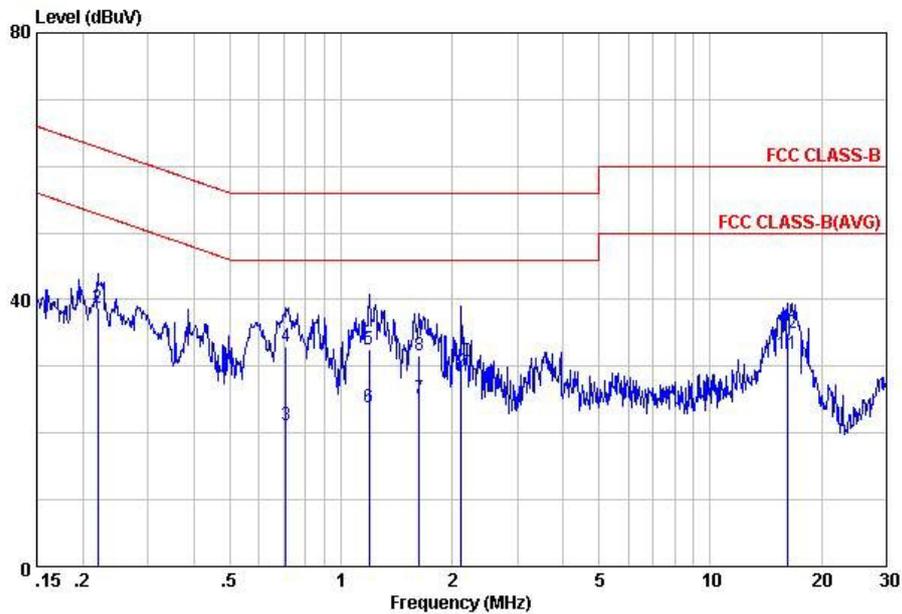


Site : C001-KS  
 Condition: FCC CLASS-B LISN-100807 LINE  
 Project : (FD) 180510-01  
 mode : Mode 3  
 IMEI : 356508040004139

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.18	33.68	-30.82	64.50	23.60	-0.07	10.15	QP
2	0.18	24.38	-30.12	54.50	14.30	-0.07	10.15	Average
3	0.22	36.18	-16.52	52.70	26.10	-0.07	10.15	Average
4	0.22	37.48	-25.22	62.70	27.40	-0.07	10.15	QP
5	0.40	36.61	-21.29	57.90	26.50	-0.08	10.19	QP
6	0.40	21.51	-26.39	47.90	11.40	-0.08	10.19	Average
7	0.89	24.96	-21.04	46.00	14.81	-0.10	10.25	Average
8	0.89	29.36	-26.64	56.00	19.21	-0.10	10.25	QP
9	1.20	25.68	-20.32	46.00	15.50	-0.10	10.28	Average
10	1.20	33.28	-22.72	56.00	23.10	-0.10	10.28	QP
11	1.63	24.70	-21.30	46.00	14.50	-0.11	10.31	Average
12	1.63	31.90	-24.10	56.00	21.70	-0.11	10.31	QP



Test Mode :	Mode 3	Temperature :	23~24°C
Test Engineer :	Chenmy Cheng	Relative Humidity :	44~45%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WDCMA Band V Idle + Bluetooth Idle + Earphone + FM Rx + USB Cable (Link with PC)		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : C001-KS  
 Condition: FCC CLASS-B LISN-100807 NEUTRAL  
 Project : (FD) 180510-01  
 mode : Mode 3  
 IMEI : 356508040004139

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.22	37.78	-15.05	52.83	27.70	-0.07	10.15	Average
2	0.22	38.68	-24.15	62.83	28.60	-0.07	10.15	QP
3	0.71	21.16	-24.84	46.00	11.00	-0.08	10.24	Average
4	0.71	33.06	-22.94	56.00	22.90	-0.08	10.24	QP
5	1.19	32.48	-23.52	56.00	22.29	-0.09	10.28	QP
6	1.19	23.78	-22.22	46.00	13.59	-0.09	10.28	Average
7	1.63	25.20	-20.80	46.00	15.00	-0.11	10.31	Average
8	1.63	31.70	-24.30	56.00	21.50	-0.11	10.31	QP
9	2.12	29.23	-16.77	46.00	19.00	-0.11	10.34	Average
10	2.12	30.73	-25.27	56.00	20.50	-0.11	10.34	QP
11	16.14	31.91	-18.09	50.00	21.40	-0.02	10.53	Average
12	16.14	35.01	-24.99	60.00	24.50	-0.02	10.53	QP



### 3.2. Test of Radiated Emission Measurement

#### 3.2.1. Limit of Radiated Emission

The emissions from an unintentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

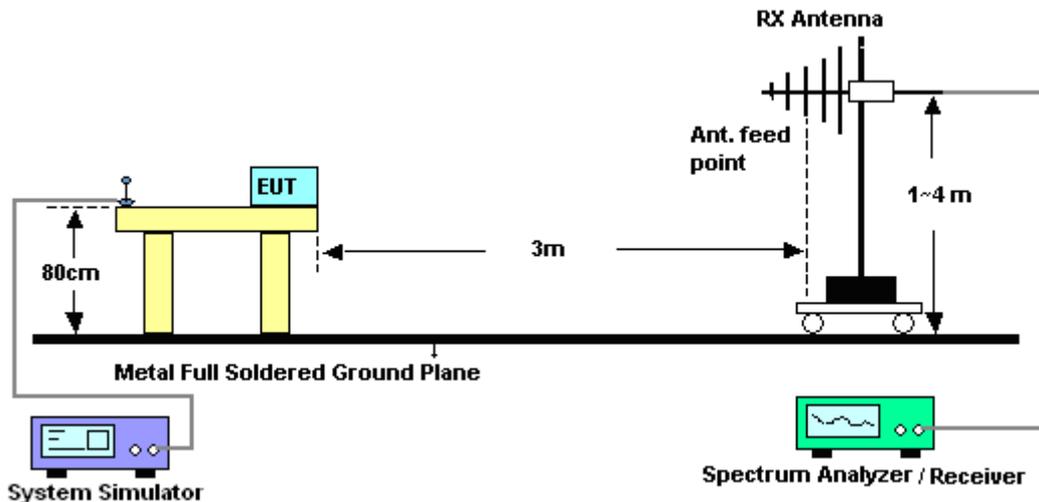
#### 3.2.2. Measuring Instruments

See list of measuring instruments of this test report.

**3.2.3. Test Procedures**

1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna is a Bi-Log antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.
7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the quasi-peak method and reported
8. Emission level (dBuV/m) = 20 log Emission level (uV/m)
9. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

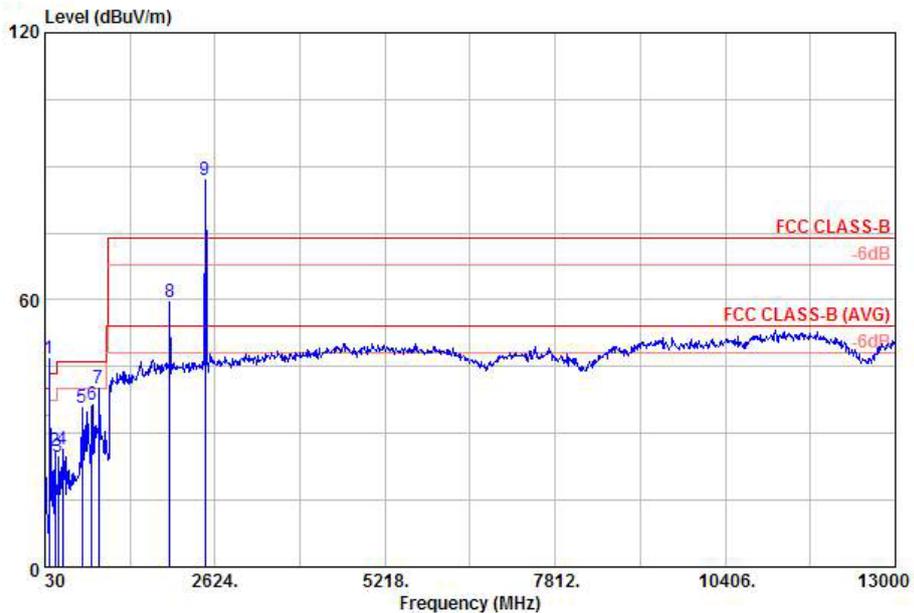
**3.2.4. Test Setup of Radiated Emission**





3.2.5. Test Result of Radiated Emission

Test Mode :	Mode 3	Temperature :	23~24°C
Test Engineer :	Chenmy Cheng	Relative Humidity :	44~45%
Test Distance :	3m	Polarization :	Horizontal
Function Type :	WDCMA Band II Idle + Bluetooth Idle + Earphone + FM Rx + USB Cable (Link with PC)		
Remark :	#1 is FM signal which can be ignored. #8 is Base Station signal which can be ignored. #9 is Bluetooth signal which can be ignored.		

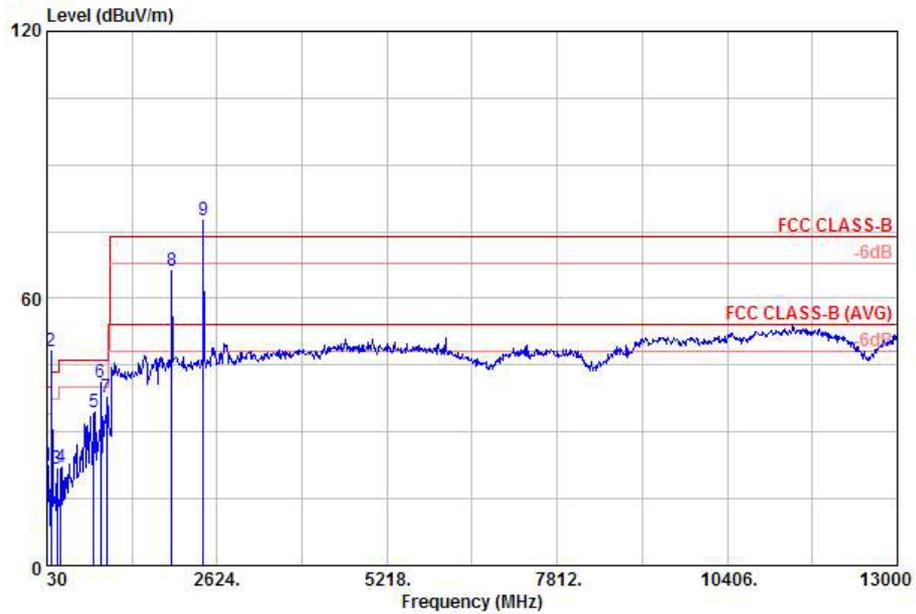


Site : 03CH01-KS  
 Condition: FCC CLASS-B 3m LF\_ANT\_100803 HORIZONTAL  
 Project : (FD) 180510-01  
 Mode : Mode 3  
 IMEI : 356508040004139

	Freq	Level	Over	Limit	ReadAntenna	Preamp	Cable	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1 X	98.04	46.72			66.13	10.15	29.97	---	---	Peak
2	182.01	26.23	-17.27	43.50	47.14	8.42	29.89	---	---	Peak
3	227.64	24.84	-21.16	46.00	43.37	10.75	29.92	---	---	Peak
4	295.95	26.46	-19.54	46.00	42.74	12.95	29.95	---	---	Peak
5	599.60	35.70	-10.30	46.00	45.65	18.60	29.62	---	---	Peak
6	749.40	36.36	-9.64	46.00	44.82	19.90	29.54	---	---	Peak
7 !	849.50	40.15	-5.85	46.00	48.02	20.51	29.66	100	186	Peak
8	1934.00	59.58			58.41	32.21	33.46	---	---	Peak
9 X	2474.00	86.76			84.27	33.01	34.20	---	---	Peak



Test Mode :	Mode 3	Temperature :	23~24°C
Test Engineer :	Chenmy Cheng	Relative Humidity :	44~45%
Test Distance :	3m	Polarization :	Vertical
Function Type :	WDCMA Band II Idle + Bluetooth Idle + Earphone + FM Rx + USB Cable (Link with PC)		
Remark :	#2 is FM signal which can be ignored. #8 is Base Station signal which can be ignored. #9 is Bluetooth signal which can be ignored.		



Site : 03CH01-KS  
 Condition: FCC CLASS-B 3m LF\_ANT\_100803 VERTICAL  
 Project : (FD) 180510-01  
 Mode : Mode 3  
 IMEI : 356508040004139

	Freq	Level	Over	Limit	ReadAntenna	Preamp	Cable	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	33.78	22.36	-17.64	40.00	36.66	15.56	30.09	0.23	---	Peak
2 X	97.77	48.21			67.62	10.15	29.97	0.41	---	Peak
3	182.01	21.75	-21.75	43.50	42.66	8.42	29.89	0.56	---	Peak
4	240.06	21.97	-24.03	46.00	39.57	11.56	29.82	0.66	---	Peak
5	749.40	34.38	-11.62	46.00	42.84	19.90	29.54	1.18	---	Peak
6 !	849.50	41.06	-4.94	46.00	48.93	20.51	29.66	1.28	100	180 Peak
7	937.00	37.68	-8.32	46.00	45.22	20.67	29.53	1.32	---	Peak
8	1934.00	66.24			65.07	32.21	33.46	2.42	---	Peak
9 X	2410.00	77.65			75.32	32.89	34.08	3.52	---	Peak



## 4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
EMI Receiver	R&S	ESC17	100768	9kHz~7GHz	Jun. 02, 2011	Jun. 01, 2012	Conduction (CO01-KS)
LISN	MessTec	AN3016	60103	9kHz~30MHz	Jan. 07, 2011	Jan. 06, 2012	Conduction (CO01-KS)
LISN	MessTec	AN3016	60105	9kHz~30MHz	Jan. 07, 2011	Jan. 06, 2012	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP00000081 1	N/A	Nov. 10, 2010	Nov. 09, 2011	Conduction (CO01-KS)
System Simulator	R&S	CMU200	837587/066	Full-Band	Jan. 07, 2011	Jan. 06, 2012	Conduction (CO01-KS)
GPS Station	T&E	GS-50	N/A	N/A	N/A	N/A	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESC1	100534	9kHz~3GHz	Nov. 16, 2010	Nov. 15, 2011	Radiation (03CH01-KS)
Spectrum Analyzer	R&S	FSP40	100319	9kHz~40GHz	Jan. 07, 2011	Jan. 06, 2012	Radiation (03CH01-KS)
Bilog Antenna	SCHAFFNER	CBL6112D	23182	25MHz~2GHz	Dec. 07, 2010	Dec. 06, 2011	Radiation (03CH01-KS)
Double Ridge Horn Antenna	EMCO	3117	00075959	1MHz~18GHz	Jan. 07, 2011	Jan. 06, 2012	Radiation (03CH01-KS)
Amplifier	Wireless	FPA-6592G	060004	30MHz~2GHz	Dec. 09, 2010	Dec. 08, 2011	Radiation (03CH01-KS)
Amplifier	Agilent	8449B	3008A02370	1GHz~26.5GHz	Jan. 07, 2011	Jan. 06, 2012	Radiation (03CH01-KS)
Active horn antenna	com-power	AHA-118	701023	1G-18GHz	Nov. 09, 2010	Nov. 08, 2011	Radiation (03CH01-KS)
Signal Generator	R&S	SMR40	100455	10G-40GHz	Jan. 06, 2011	Jan. 05, 2012	Radiation (03CH01-KS)
SHE-EHF Horn	Schwarzbeck	BBHA9170	BBHA170249	15-40GHz	Oct. 15, 2010	Oct. 14, 2011	Radiation (03CH01-KS)
Bluetooth Base Station	R&S	CBT	100783	N/A	Aug. 18, 2011	Aug. 17, 2012	Radiation (03CH01-KS)

## 5. Uncertainty of Evaluation

### Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Contribution	Uncertainty of $X_i$		$u(X_i)$
	dB	Probability Distribution	
Receiver Reading	0.10	Normal (k=2)	0.05
Cable Loss	0.10	Normal (k=2)	0.05
AMN Insertion Loss	2.50	Rectangular	0.63
Receiver Specification	1.50	Rectangular	0.43
Site Imperfection	1.39	Rectangular	0.80
Mismatch	+0.34 / -0.35	U-Shape	0.24
<b>Combined Standard Uncertainty <math>Uc(y)</math></b>	<b>1.13</b>		
<b>Measuring Uncertainty for a Level of Confidence of 95% (<math>U = 2Uc(y)</math>)</b>	<b>2.26</b>		

### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Contribution	Uncertainty of $X_i$		$u(X_i)$
	dB	Probability Distribution	
Receiver Reading	0.41	Normal (k=2)	0.21
Antenna Factor Calibration	0.83	Normal (k=2)	0.42
Cable Loss Calibration	0.25	Normal (k=2)	0.13
Pre-Amplifier Gain Calibration	0.27	Normal (k=2)	0.14
RCV/SPA Specification	2.50	Rectangular	0.72
Antenna Factor Interpolation for Frequency	1.00	Rectangular	0.29
Site Imperfection	1.43	Rectangular	0.83
Mismatch	+0.39 / -0.41	U-Shape	0.28
<b>Combined Standard Uncertainty <math>Uc(y)</math></b>	<b>1.27</b>		
<b>Measuring Uncertainty for a Level of Confidence of 95% (<math>U = 2Uc(y)</math>)</b>	<b>2.54</b>		

**Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)**

Contribution	Uncertainty of $X_i$		$u(X_i)$	$C_i$	$C_i * u(X_i)$
	dB	Probability Distribution			
Receiver Reading	±0.10	Normal (k=2)	0.10	1	0.10
Antenna Factor Calibration	±1.70	Normal (k=2)	0.85	1	0.85
Cable Loss Calibration	±0.50	Normal (k=2)	0.25	1	0.25
Receiver Correction	±2.00	Rectangular	1.15	1	1.15
Antenna Factor Directional	±1.50	Rectangular	0.87	1	0.87
Site Imperfection	±2.80	Triangular	1.14	1	1.14
Mismatch Receiver VSWR $\Gamma_1 = 0.197$ Antenna VSWR $\Gamma_2 = 0.194$ Uncertainty = $20\text{Log}(1-\Gamma_1*\Gamma_2)$	+0.34 / -0.35	U-Shape	0.244	1	0.244
<b>Combined Standard Uncertainty <math>U_c(y)</math></b>	<b>2.36</b>				
<b>Measuring Uncertainty for a Level of Confidence of 95% (<math>U = 2U_c(y)</math>)</b>	<b>4.72</b>				



## **Appendix A. Photographs of EUT**

Please refer to Sporton report number EP180510-01 as below.