

FCC Part15B Test Report

Product Name : HSPA/UMTS/GSM/GPRS/EDGE Mobile
Phone with Bluetooth
Model No. : HUAWEI U8850-5/U8850-5
Marketing Name : HUAWEI U8850/U8850/ HUAWEI VISION/
Huawei Vision/ HUAWEI VISION U8850

Applicant : Huawei Technologies Co., Ltd.
Address : Administration Building, Huawei Base, Bantian, Longgang
District, Shenzhen 518129

Date of Receipt : 23/11/2011
Test Date : 23/11/2011~16/12/2011
Issued Date : 17/12/2011
Report No. : 11BS064R-RF-US-P01V01
Report Version : V1.0

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF, NVLAP or any agency of the Government.

The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

Test Report Certification

Issued Date : 17/12/2011

Report No. : 11BS064R-RF-US-P01V01



Product Name : HSPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth

Applicant : Huawei Technologies Co., Ltd.

Address : Administration Building, Huawei Base, Bantian, Longgang District, Shenzhen 518129

Manufacturer : Huawei Technologies Co., Ltd.

Address : Administration Building, Huawei Base, Bantian, Longgang District, Shenzhen 518129

Model No. : HUAWEI U8850-5/U8850-5

Marketing Name : HUAWEI U8850/U8850/ HUAWEI VISION/ Huawei Vision/ HUAWEI VISION U8850

EUT Voltage : DC 3.7V

Brand Name : HUAWEI

Applicable Standard : FCC Part 15 Subpart B: 2008 Class B
ANSI C63.4: 2003

Test Result : Complied

Performed Location : Quietek Corporation (Linkou Laboratory)
No.5-22, Ruishukeng, Linkou Dist., New Taipei City
24451, Taiwan, R.O.C.
TEL:+866-2-8601-3788 / FAX:+886-2-8601-3789

Documented By : Rita Huang
(Engineering Adm. Specialist / Rita Huang)

Reviewed By : Tony Hsieh
(Engineering Supervisor / Tony Hsieh)

Approved By : Vincent Lin
(Manager / Vincent Lin)

Laboratory Information

We, **Quietek Corporation**, are an independent EMC and safety consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted(audited or listed) by the following related bodies in compliance with ISO 17025, EN 45001 and specified testing scope:

Taiwan R.O.C.	: BSMI, NCC, TAF
Germany	: TUV Rheinland
Norway	: Nemko, DNV
USA	: FCC, NVLAP
Japan	: VCCI

The related certificate for our laboratories about the test site and management system can be downloaded from Quietek Corporation's Web Site : <http://www.quietek.com/tw/ctg/cts/accreditations.htm>
 The address and introduction of Quietek Corporation's laboratories can be founded in our Web site : <http://www.quietek.com/>
 If you have any comments, Please don't hesitate to contact us. Our contact information is as below:

HsinChu Testing Laboratory :

No.75-2, 3rd Lin, Wangye Keng, Yonghxing Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan, R.O.C.
 TEL:+886-3-592-8858 / FAX:+886-3-592-8859 E-Mail : service@quietek.com



LinKou Testing Laboratory :

No. 5-22, Ruei-Shu Valley, Ruei-Ping Tsuen, Lin-Kou Shiang, Taipei, Taiwan, R.O.C.
 TEL : 886-2-8601-3788 / FAX : 886-2-8601-3789 E-Mail : service@quietek.com



Suzhou (China) Testing Laboratory :

No. 99 Hongye Rd., Suzhou Industrial Park Loufeng Hi-Tech Development Zone., Suzhou,China.
 TEL : +86-512-6251-5088 / FAX : +86-512-6251-5098 E-Mail : service@quietek.com



TABLE OF CONTENTS

Description	Page
1. General Information	5
1.1. EUT Description	5
1.2. Mode of Operation.....	7
1.3. Tested System Details.....	8
1.4. Configuration of Tested System.....	9
1.5. EUT Exercise Software	11
2. Technical Test.....	12
2.1. Summary of Test Result	12
2.2. List of Test Equipment.....	13
2.3. Measurement Uncertainty	13
2.4. Test Environment.....	15
3. Conducted Emission.....	16
3.1. Test Specification	16
3.2. Test Setup	16
3.3. Limit.....	16
3.4. Test Procedure	16
3.5. Deviation from Test Standard	17
3.6. Test Result	18
3.7. Test Photograph	24
4. Radiated Emission	26
4.1. Test Specification	26
4.2. Test Setup	26
4.3. Limit.....	27
4.4. Test Procedure	27
4.5. Deviation from Test Standard	28
4.6. Test Result	29
4.7. Test Photograph	45

1. General Information

1.1. EUT Description

Product Name	HSPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth
Model No.	HUAWEI U8850-5/U8850-5
Marketing Name	HUAWEI U8850/U8850/ HUAWEI VISION/ Huawei Vision/ HUAWEI VISION U8850
IMEI	862446010003862
Hardware Version	PR2
Software Version	U8850V100R001C00B237SP00
Device Category	Portable
RF Exposure Environment	Uncontrolled
Antenna Type	Internal
GPS	
Operate Frequency	1575.42MHz
Type of modulation	BPSK
2G	
Support Band	GSM850/GSM900/DCS1800/PCS1900
GPRS Type	Class B
GPRS Class	Class 10
Tx Frequency Range	GSM 850: 824~849MHz PCS 1900: 1850~1910MHz
Rx Frequency Range	GSM 850: 869~894MHz PCS 1900: 1930~1990MHz
Release Version	GSM: R99
Type of modulation	GMSK for GSM/GPRS; 8PSK for EDGE
Antenna Gain	1.6dBi
3G	
Support Band	WCDMA Band II/WCDMA BAND V
Frequency Range Tx	WCDMA Band V: 824~849MHz WCDMA Band II: 1850~1910MHz
Frequency Range Rx	WCDMA Band V: 869~894MHz WCDMA Band II: 1930~1990MHz
Release Version	UMTS FDD: Rel-6
Type of modulation	QPSK for WCDMA; 16QAM for HSDPA; QPSK for HSUPA

Antenna Gain	1.6dBi
Bluetooth	
Bluetooth Frequency	2402~2480MHz
Bluetooth Version	V2.1 + EDR
Type of modulation	FHSS
Data Rate	1Mbps(GFSK), 2Mbps(Pi/4 DQPSK), 3Mbps (8DPSK)
Antenna Gain	0.5dBi
Wi-Fi	
Wi-Fi Frequency	2412~2462MHz
Hotspots Function	YES
Type of modulation	802.11b: DSSS; 802.11g/n: OFDM
Data Rate	802.11b: 1/2/5.5/11 Mbps
	802.11g: 6/9/12/18/24/36/48/54 Mbps
	802.11n: up to 65 Mbps
Antenna Gain	0.5dBi
Components	
Headset #1	Manufacturer: Jiangxi Lianchuang Hongsheng Electronic Co., LTD M/N: MEMD1532A726012
Headset #2	Manufacturer: QUANCHENG ELECTRONIC CO., LTD M/N: MEMD1532A726012
Battery	Brand Name: HUAWEI M/N: HB5K1H Rated Voltage and Capacitance: 3.7V/1400mAh
Adapter #1	Manufacturer: SHENZHEN HUNTKEY ELECTRIC CO., LTD M/N: HW-050100U1W Input: 100-240V~50/60Hz 0.2A Output: 5Vdc, 1.0A
Adapter #2	Manufacturer: TECH-POWER INTERNATIONAL CO., LTD. M/N: HW-050100U1W Input: 100-240V~50/60Hz 0.2A Output: 5Vdc, 1.0A

Note : Each adapter has two different labels (Show in EUT photo).

1.2. Mode of Operation

QuieTek has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

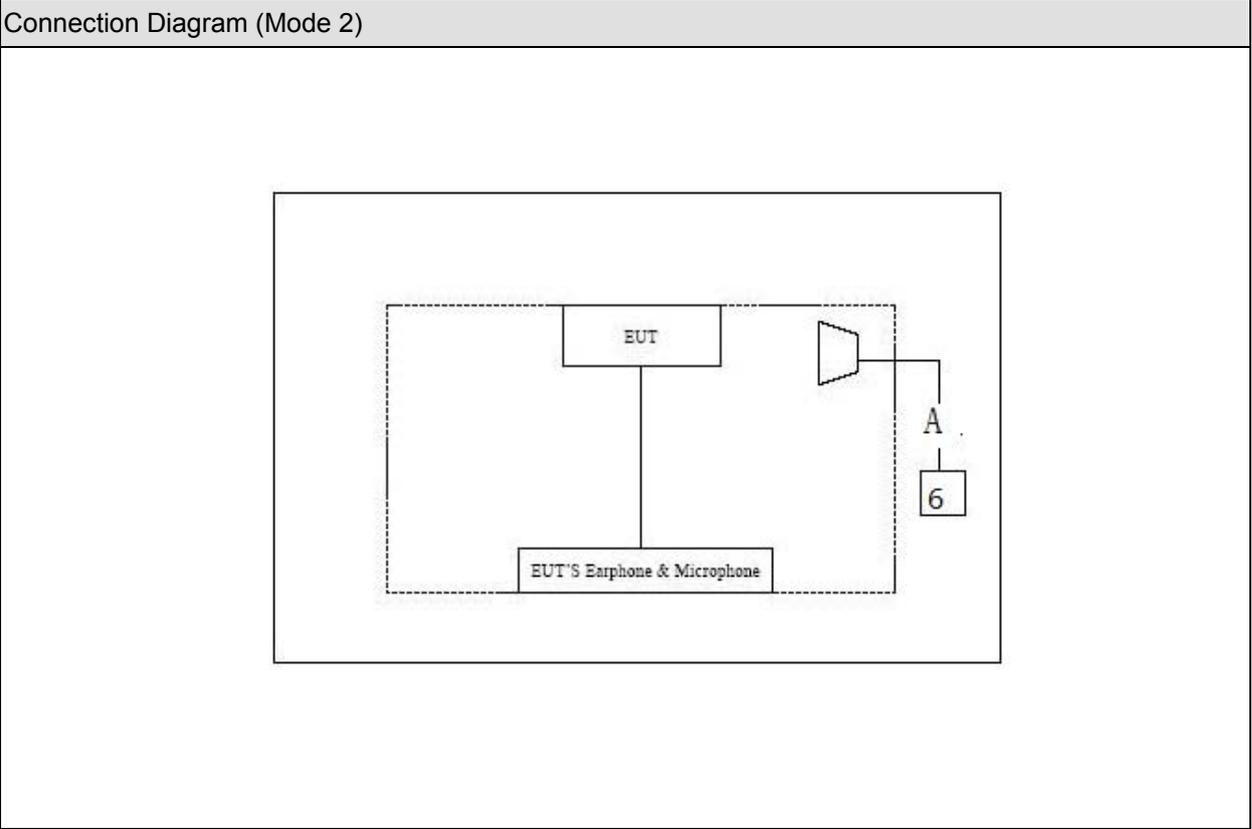
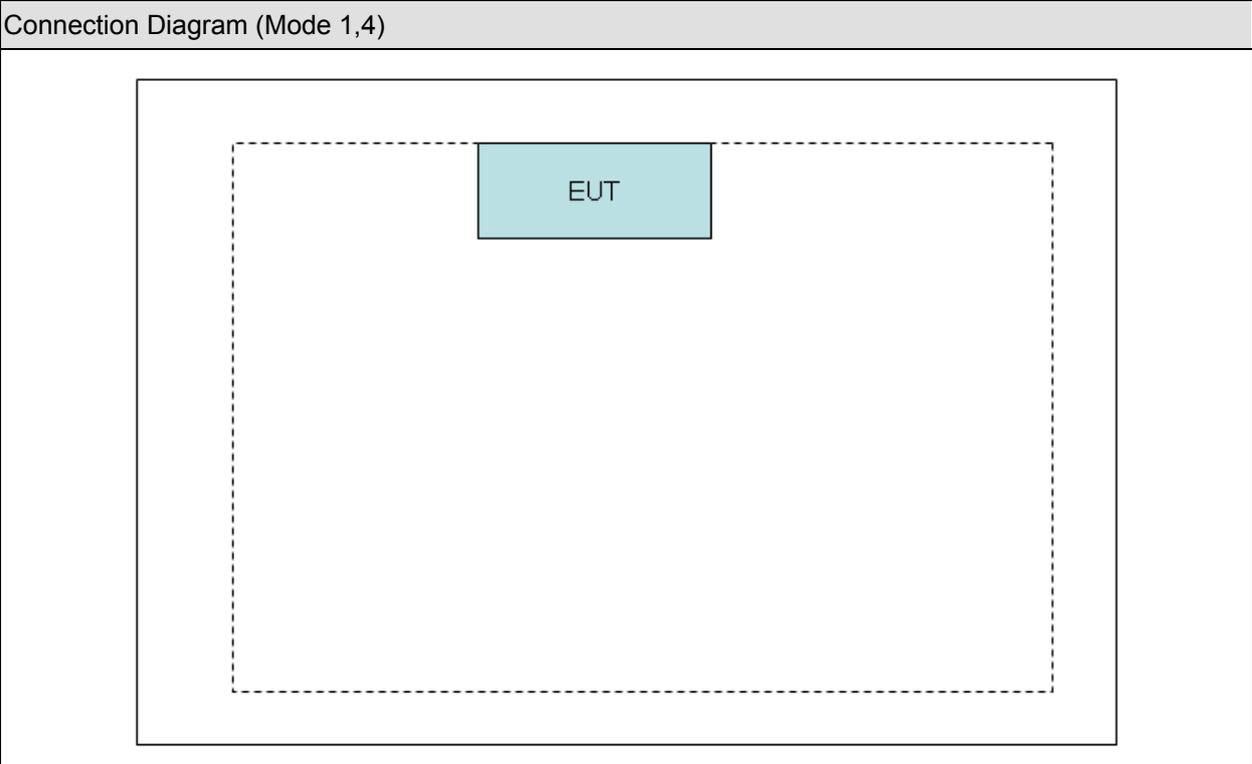
Pre Test Mode
Mode 1: Charging + Camera On
Mode 2: FM
Mode 3: USB Copy
Mode 4: GPS Receive

1.3. Tested System Details

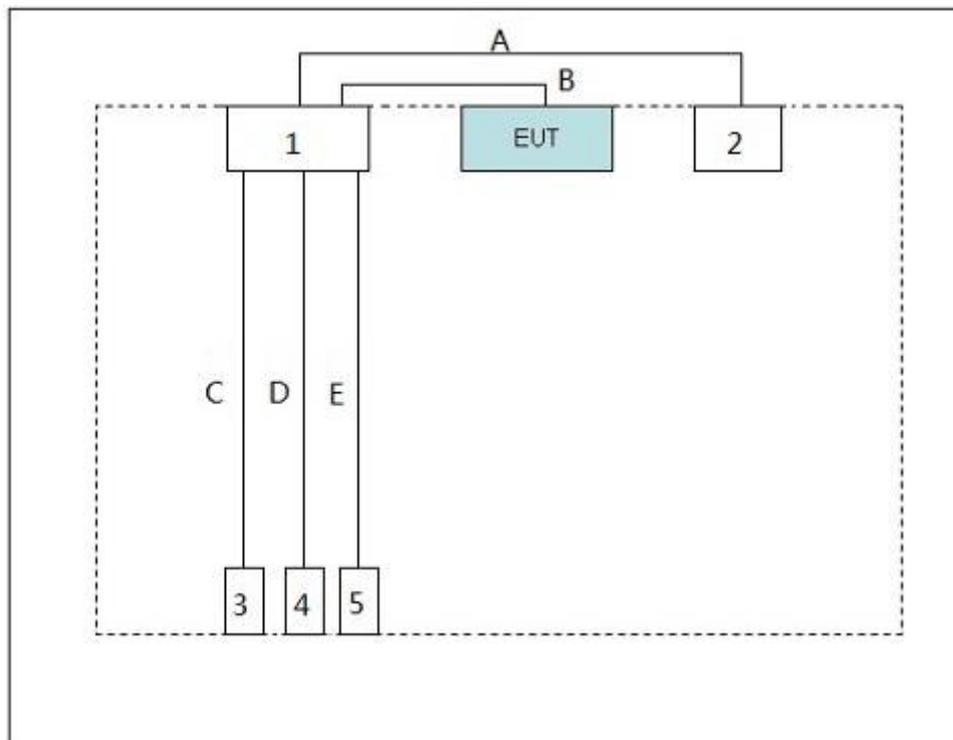
The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product	Manufacturer	Model No.	Serial No.	Power Cord
1 Notebook	ASUS	N80V	8BN0AS226971468	Non-Shielded, 1.8m
2 LCD Monitor	BenQ	ET-0033T	ETT8903750019	Non-Shielded, 1.8m
3 Microphone& Earphone	SOMIC	V85	N/A	Power by PC
4 iPod	Apple	A1199	7J71085BVQ5E	Power by PC
5 USB Mouse	DELL	MOC5UO	10D00JL	Power by PC
6 Signal Generator	Agilent	E4438C	MY49070163	N/A

1.4. Configuration of Tested System



Connection Diagram (Mode 3)



Signal Cable Type		Signal cable Description
A	VGA Cable	Shielded, 1.5m
B	USB Cable	Shielded, 0.8m
C	Earphone & Microphone	Non-Shielded, 2.1m
D	USB Cable	Shielded, 1.0m
E	USB Cable	Shielded, 1.8m

1.5. EUT Exercise Software

1	Setup the EUT and simulators as shown on above.
2	Turn on the power of equipment.
3	(1) Make the EUT work under the "Charging + Camera On" Mode. (2) Making the EUT work under the "FM" Mode. (3) Open the software "WINTHRAX", and then transmit data with notebook. (4) Making the EUT work under the "GPS Receive" Mode.
4	Start Test.

2. Technical Test

2.1. Summary of Test Result

- No deviations from the test standards
- Deviations from the test standards as below description:

Emission			
Performed Test Item	Normative References	Test Performed	Deviation
Conducted Emission	FCC CFR Title 47 Part 15 Subpart B: 2008 Class B ANSI C63.4: 2003	Yes	No
Radiated Emission	FCC CFR Title 47 Part 15 Subpart B: 2008 Class B ANSI C63.4: 2003	Yes	No

2.2. List of Test Equipment

Conducted Emission / SR8

Instrument	Manufacturer	Model No.	Serial No.	Calibrated Date
EMI Test Receiver	R&S	ESCS 30	838251/001	2011.04.26
LISN	R&S	ESH3-Z5	836679/020	2011.02.10
LISN	R&S	ENV216	100097	2011.05.28
Pulse Limiter	R&S	ESH3-Z2	100324	2011.04.15

Radiated Emission / 9x6x6 Chamber

Instrument	Manufacturer	Model No.	Serial No.	Calibrated Date
Spectrum Analyzer	Agilent	E4408B	MY45102743	2011.08.12
EMI Test Receiver	R&S	ESCS 30	100123	2011.06.13
Pre-Amplifier	QTK	AP-025C	0506002	2011.08.01
Pre-Amplifier	QuieTek	AP-180C	CHM/071920	2011.08.04
Bilog Antenna	Schaffner Chase	CBL6112B	2909	2011.08.01
Horn Antenna	Schwarzbeck	9120D	576	2011.10.21

2.3. Measurement Uncertainty

Conducted Emission
The maximum measurement uncertainty is evaluated as $\pm 2.26\text{dB}$.
Radiated Emission
The maximum measurement uncertainty is evaluated as $\pm 3.19\text{dB}$.

2.4. Test Environment

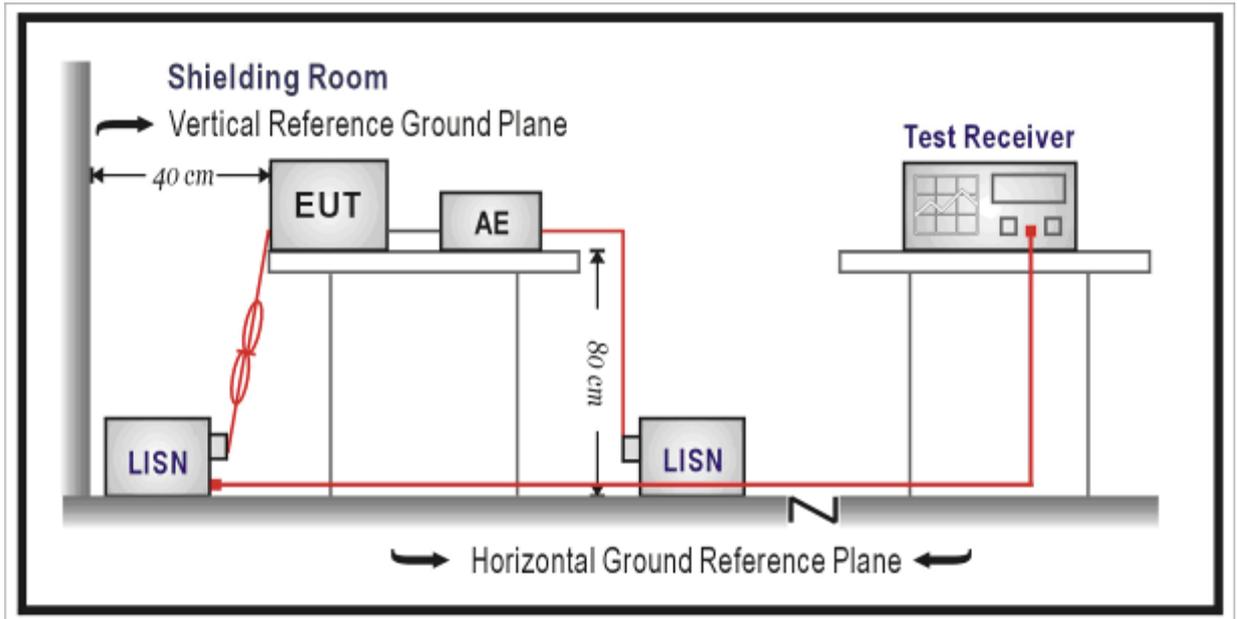
Performed Item	Items	Required	Actual
Conducted Emission	Temperature (°C)	15-35	25
	Humidity (%RH)	25-75	50
	Barometric pressure (mbar)	860-1060	950-1000
Radiated Emission	Temperature (°C)	15-35	25
	Humidity (%RH)	25-75	50
	Barometric pressure (mbar)	860-1060	950-1000

3. Conducted Emission

3.1. Test Specification

According to EMC Standard: FCC Part 15 Subpart B Class B, ANSI C63.4

3.2. Test Setup



3.3. Limit

Limits for Conducted Emission of Class B ITE		
Frequency range MHz	Limits dB(μV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

NOTE: Decreases with the logarithm of the frequency.

3.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50Ω / 50μH coupling impedance for the

measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50Ω / $50\mu\text{H}$ coupling impedance with 50Ω termination. (Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed on conducted measurement.

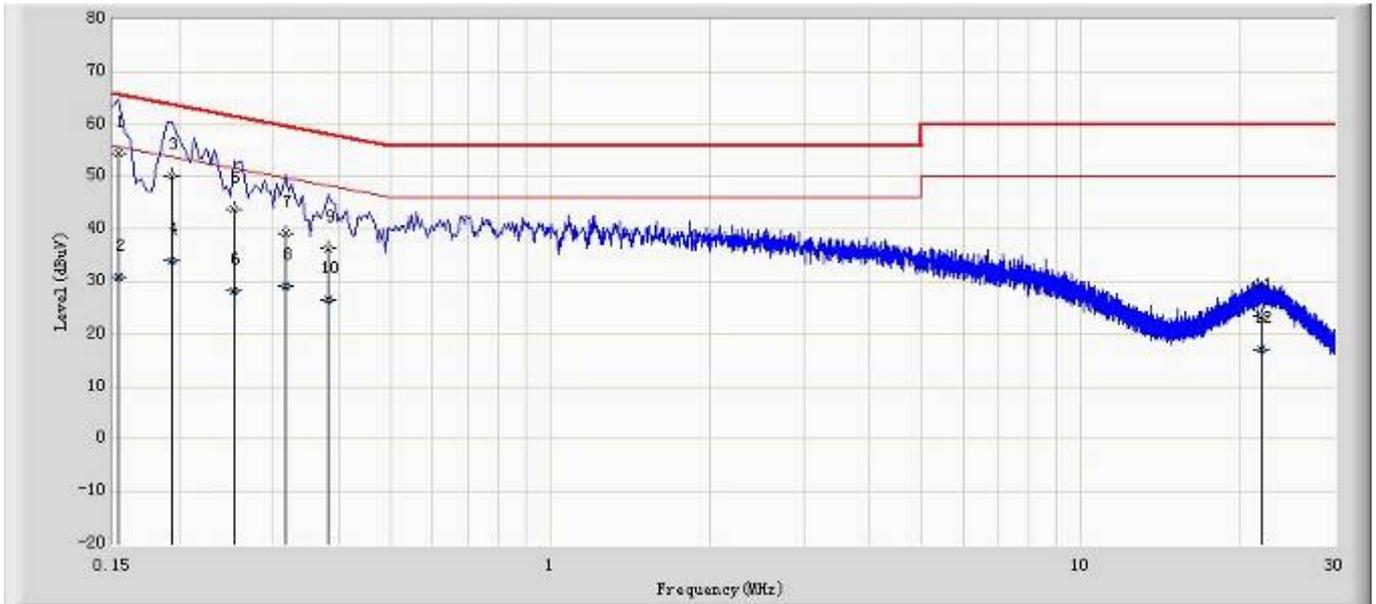
Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

3.5. Deviation from Test Standard

No deviation.

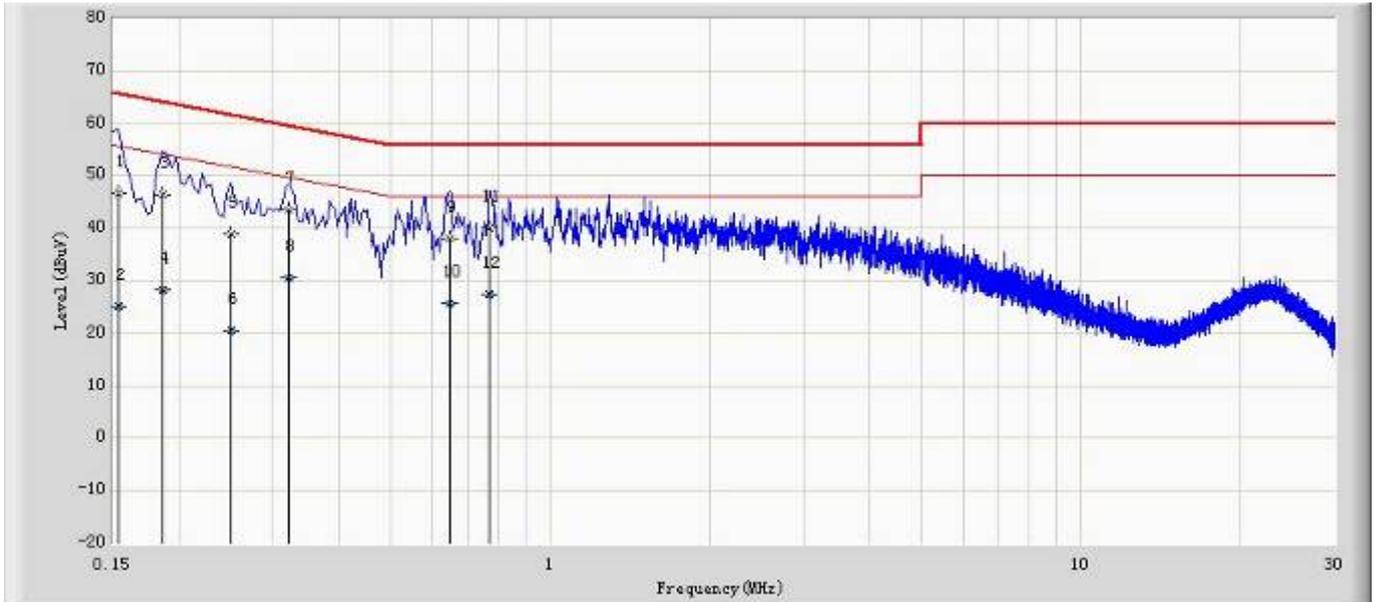
3.6. Test Result

Site: SR8	Time: 2011/11/29 - 09:19
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_100097(0.009-30MHz)	Polarity: Line
EUT:HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: AC 120V/60Hz
Note: Mode 1 With Adapter #1	



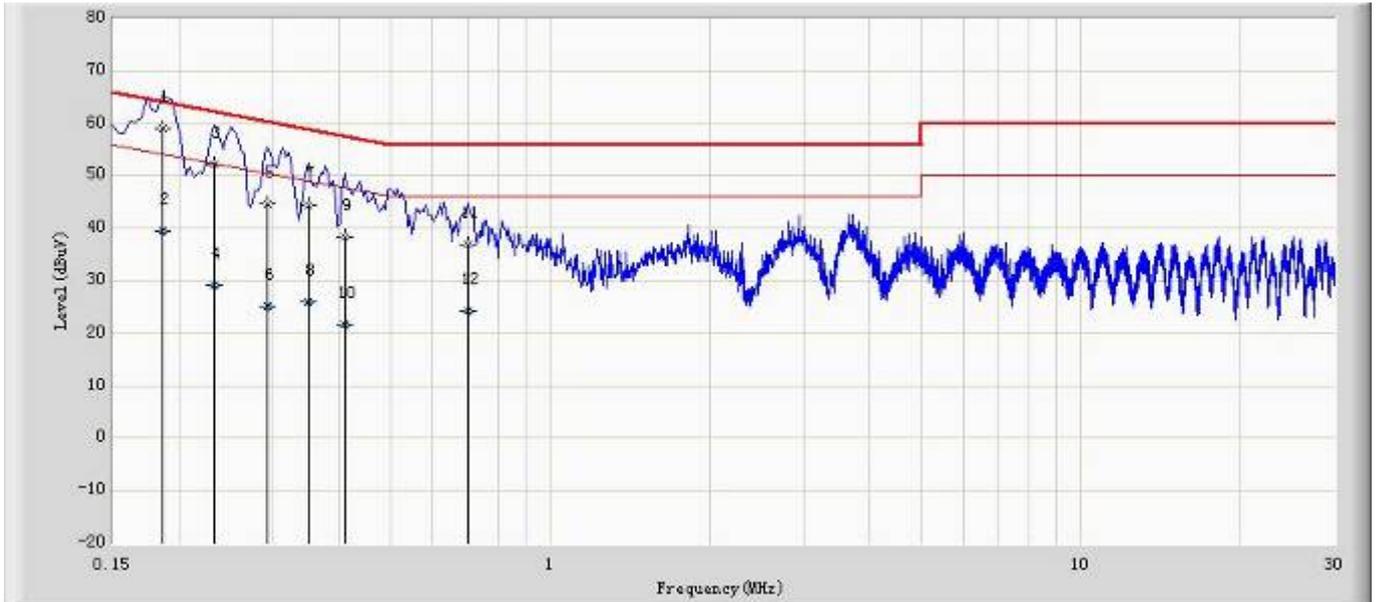
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.154	54.463	44.878	-11.318	65.781	9.585	QP
2		0.154	30.756	21.172	-25.025	55.781	9.585	AV
3		0.194	50.219	40.561	-13.644	63.864	9.658	QP
4		0.194	34.109	24.451	-19.755	53.864	9.658	AV
5		0.254	43.818	34.138	-17.808	61.625	9.680	QP
6		0.254	28.322	18.642	-23.303	51.625	9.680	AV
7		0.318	39.073	29.393	-20.686	59.759	9.680	QP
8		0.318	29.164	19.484	-20.595	49.759	9.680	AV
9		0.382	36.265	26.585	-21.970	58.236	9.680	QP
10		0.382	26.671	16.991	-21.565	48.236	9.680	AV
11		21.822	23.255	12.949	-36.745	60.000	10.306	QP
12		21.822	17.049	6.744	-32.951	50.000	10.306	AV

Site: SR8	Time: 2011/11/29 - 09:22
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_100097(0.009-30MHz)	Polarity: Neutral
EUT:HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: AC 120V/60Hz
Note: Mode 1 With Adapter #1	



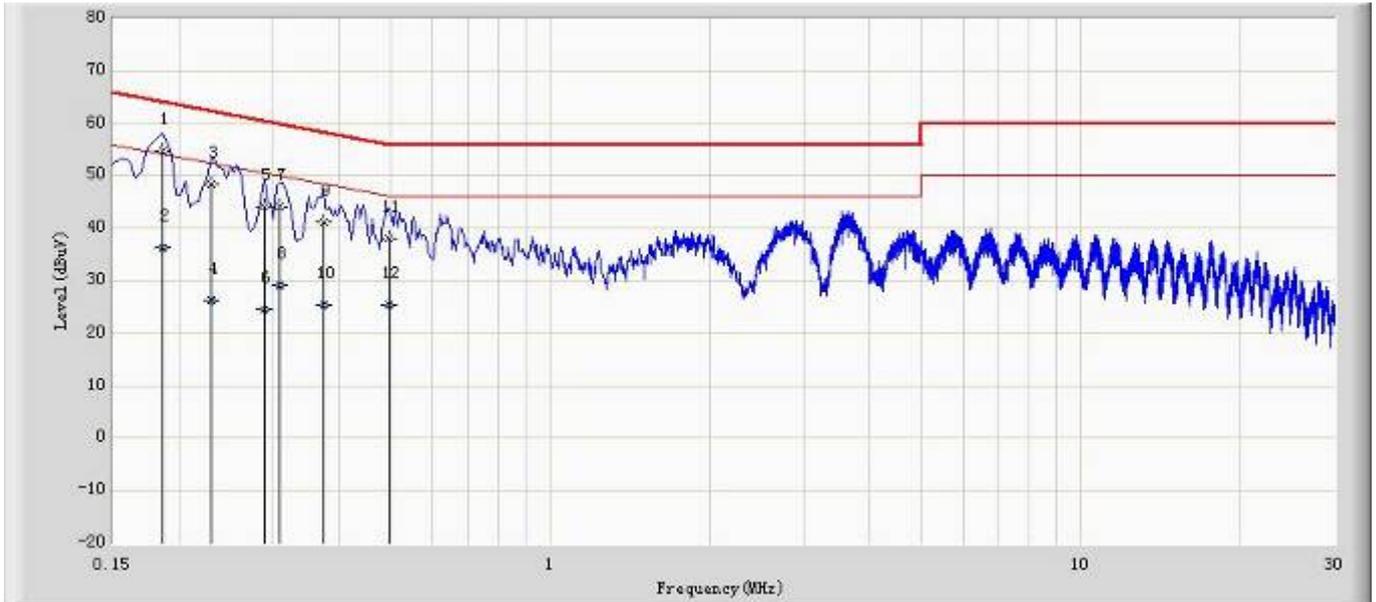
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.154	46.590	36.845	-19.192	65.781	9.744	QP
2		0.154	25.016	15.271	-30.766	55.781	9.744	AV
3		0.186	46.400	36.717	-17.813	64.213	9.684	QP
4		0.186	28.240	18.557	-25.973	54.213	9.684	AV
5		0.250	38.988	29.336	-22.769	61.757	9.652	QP
6		0.250	20.433	10.781	-31.324	51.757	9.652	AV
7		0.322	43.646	33.992	-16.009	59.655	9.654	QP
8		0.322	30.568	20.914	-19.087	49.655	9.654	AV
9		0.646	37.967	28.283	-18.033	56.000	9.685	QP
10		0.646	25.698	16.014	-20.302	46.000	9.685	AV
11	*	0.770	40.170	30.475	-15.830	56.000	9.695	QP
12		0.770	27.374	17.679	-18.626	46.000	9.695	AV

Site: SR8	Time: 2011/11/29 - 09:28
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_100097(0.009-30MHz)	Polarity: Line
EUT:HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: AC 120V/60Hz
Note: Mode 1 With Adapter #2	



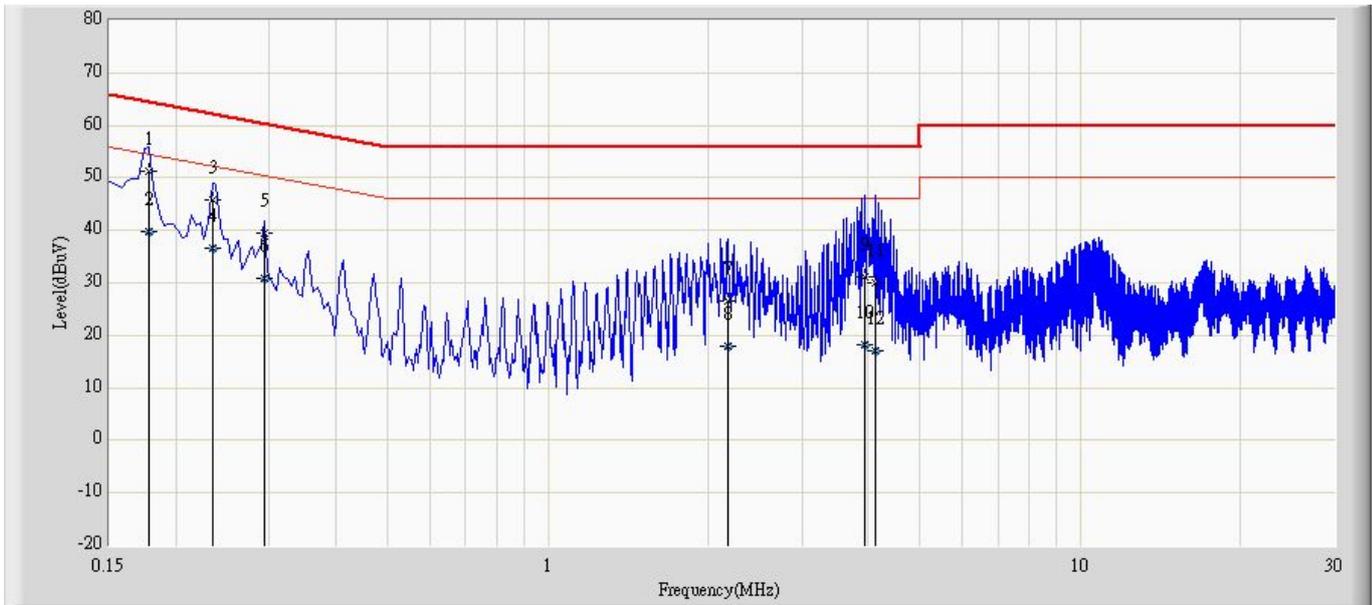
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.186	58.904	49.257	-5.310	64.213	9.646	QP
2		0.186	39.454	29.807	-14.760	54.213	9.646	AV
3		0.234	51.992	42.312	-10.315	62.307	9.680	QP
4		0.234	29.128	19.448	-23.178	52.307	9.680	AV
5		0.294	44.790	35.110	-15.621	60.411	9.680	QP
6		0.294	25.061	15.381	-25.349	50.411	9.680	AV
7		0.350	44.423	34.743	-14.540	58.962	9.680	QP
8		0.350	26.048	16.368	-22.915	48.962	9.680	AV
9		0.410	38.341	28.653	-19.308	57.648	9.687	QP
10		0.410	21.656	11.969	-25.993	47.648	9.687	AV
11		0.702	36.899	27.209	-19.101	56.000	9.690	QP
12		0.702	24.136	14.446	-21.864	46.000	9.690	AV

Site: SR8	Time: 2011/11/29 - 09:32
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_100097(0.009-30MHz)	Polarity: Neutral
EUT:HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: AC 120V/60Hz
Note: Mode 1 With Adapter #2	



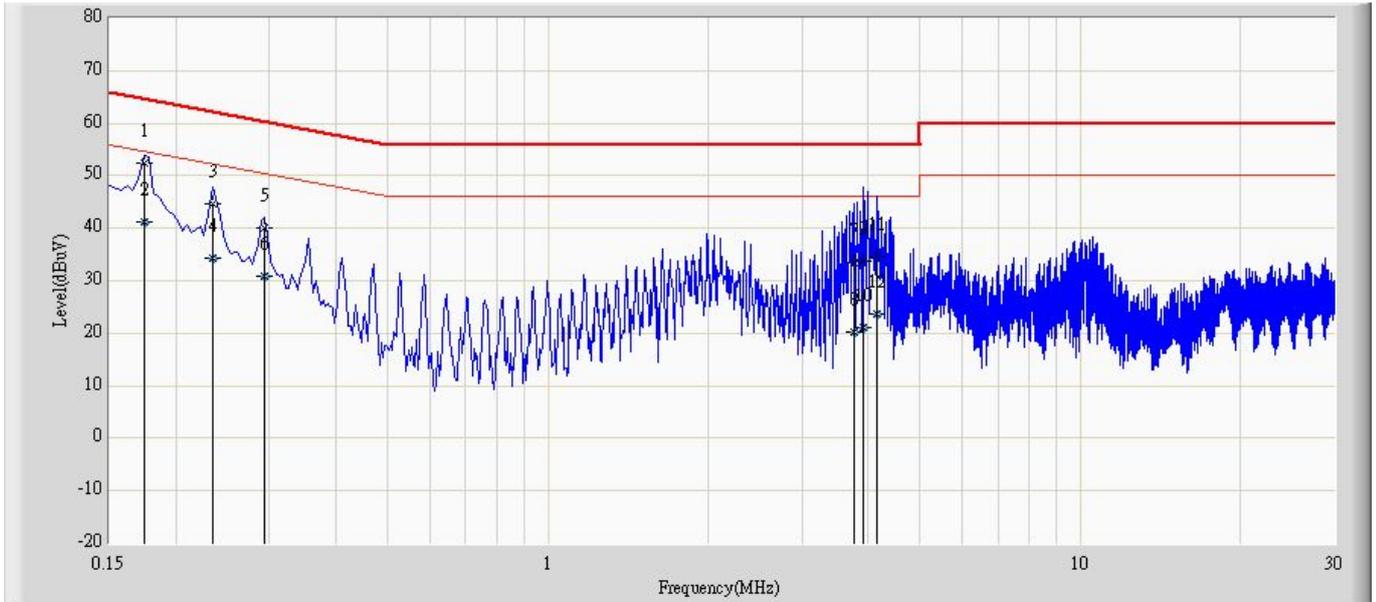
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.186	54.828	45.144	-9.386	64.213	9.684	QP
2		0.186	36.367	26.683	-17.847	54.213	9.684	AV
3		0.230	48.291	38.640	-14.159	62.450	9.651	QP
4		0.230	26.246	16.595	-26.204	52.450	9.651	AV
5		0.290	44.099	34.446	-16.425	60.524	9.653	QP
6		0.290	24.410	14.757	-26.114	50.524	9.653	AV
7		0.310	44.129	34.476	-15.841	59.970	9.654	QP
8		0.310	29.064	19.411	-20.906	49.970	9.654	AV
9		0.374	41.295	31.639	-17.116	58.412	9.656	QP
10		0.374	25.296	15.640	-23.116	48.412	9.656	AV
11		0.498	38.135	28.464	-17.899	56.033	9.670	QP
12		0.498	25.455	15.784	-20.579	46.033	9.670	AV

Site: SR8	Time: 2011/11/29 - 09:26
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_100097(0.009-30MHz)	Polarity: Line
EUT: HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: AC 120V/60Hz
Note: Mode 3	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.178	51.365	41.738	-13.213	64.578	9.627	QP
2		0.178	39.844	30.217	-14.734	54.578	9.627	AV
3		0.234	45.735	36.055	-16.571	62.307	9.680	QP
4		0.234	36.730	27.050	-15.576	52.307	9.680	AV
5		0.294	39.455	29.775	-20.955	60.411	9.680	QP
6		0.294	31.005	21.325	-19.405	50.411	9.680	AV
7		2.174	26.434	16.702	-29.566	56.000	9.732	QP
8		2.174	17.924	8.192	-28.076	46.000	9.732	AV
9		3.934	31.185	21.396	-24.815	56.000	9.789	QP
10		3.934	18.078	8.289	-27.922	46.000	9.789	AV
11		4.110	29.903	20.112	-26.097	56.000	9.791	QP
12		4.110	16.947	7.156	-29.053	46.000	9.791	AV

Site: SR8	Time: 2011/11/29 - 09:29
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_100097(0.009-30MHz)	Polarity: Neutral
EUT: HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: AC 120V/60Hz
Note: Mode 3	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.174	52.371	42.659	-12.396	64.767	9.712	QP
2		0.174	41.274	31.562	-13.493	54.767	9.712	AV
3		0.234	44.777	35.125	-17.530	62.307	9.651	QP
4		0.234	34.314	24.663	-17.993	52.307	9.651	AV
5		0.294	40.149	30.496	-20.262	60.411	9.653	QP
6		0.294	30.856	21.203	-19.555	50.411	9.653	AV
7		3.746	33.513	23.731	-22.487	56.000	9.782	QP
8		3.746	20.126	10.344	-25.874	46.000	9.782	AV
9		3.922	33.626	23.837	-22.374	56.000	9.789	QP
10		3.922	20.978	11.189	-25.022	46.000	9.789	AV
11		4.154	34.683	24.891	-21.317	56.000	9.792	QP
12		4.154	23.558	13.766	-22.442	46.000	9.792	AV

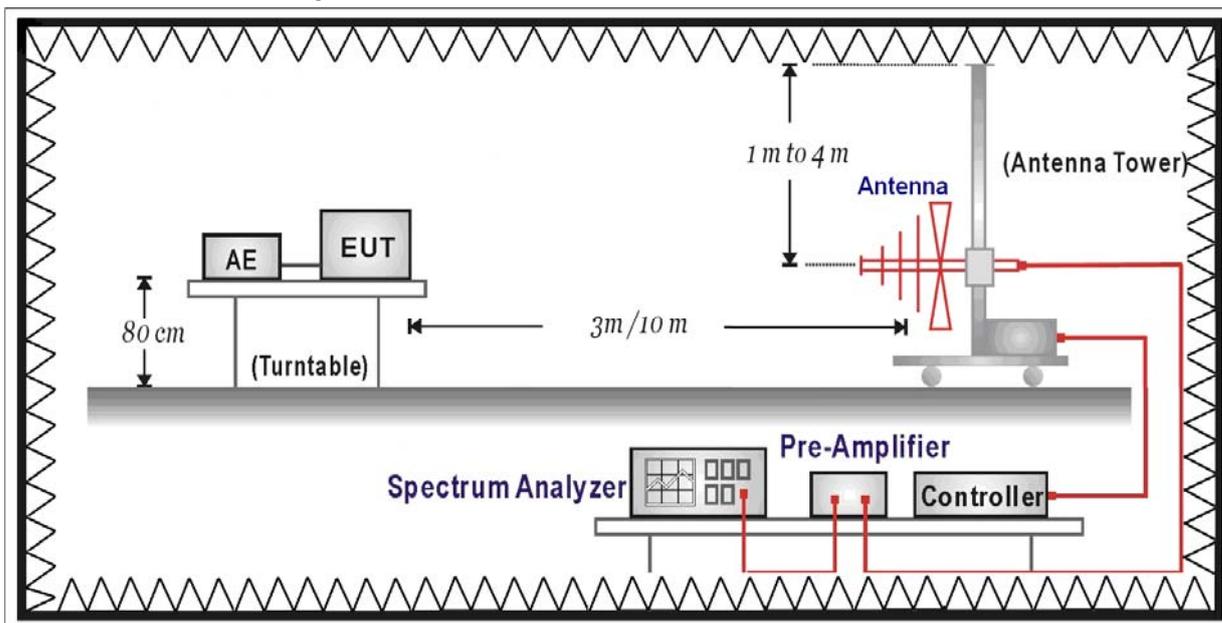
4. Radiated Emission

4.1. Test Specification

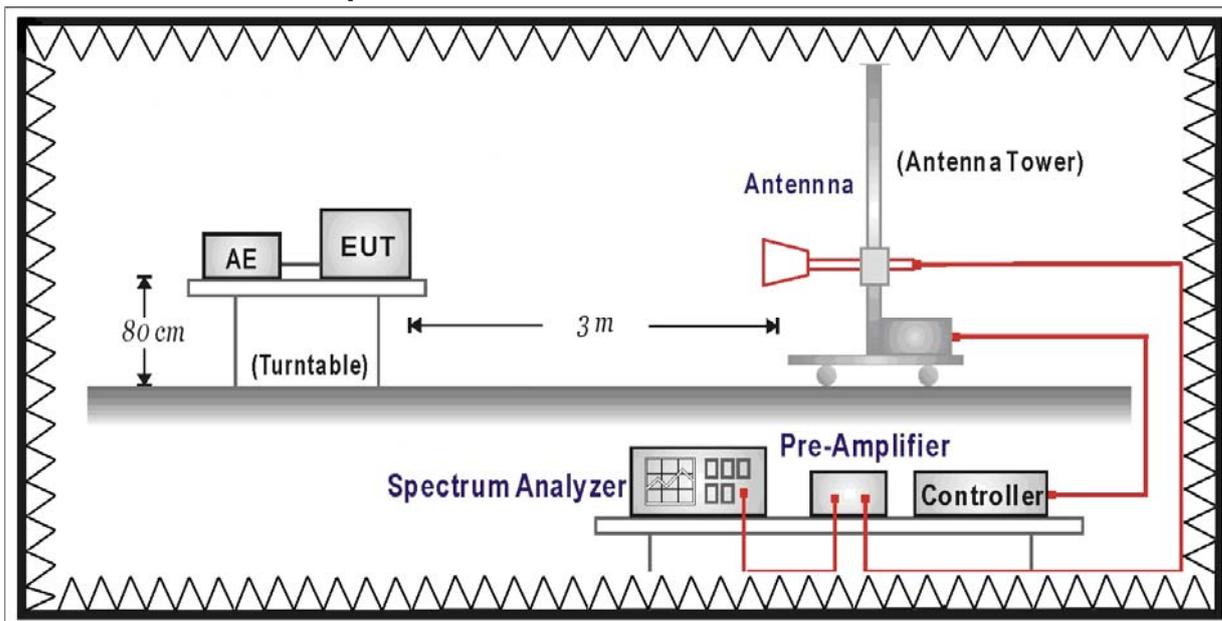
According to EMC Standard: FCC Part 15 Subpart B Class B, ANSI C63.4

4.2. Test Setup

Below 1GHz Test Setup



Above 1GHz Test Setup



4.3. Limit

Limits for Radiated Emission of class B ITE at a measuring distance of 3m	
Frequency of Emission (MHz)	Field Strength dB(μV/m)
30 to 88	40
88 to 216	43.5
216 to 960	46
Above 960	54

NOTE: The lower limit shall apply at the transition frequency.

4.4. Test Procedure

The EUT and its simulators are placed on a turntable which is 0.8 meter above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be changed during radiated measurement.

The bandwidth below 1GHz setting on the receiver is 120 kHz and above 1GHz is 1MHz.

For an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 to 108	1000
108 to 500	2000
500 to 1000	5000
Above 1000	5 th harmonic of the highest frequency or 40GHz, whichever is lower

On any frequency or frequencies below or equal to 1000MHz, the radiated limits shown are based on measuring equipment employing a quasi-peak detector function and above 1000MHz, the radiated limits shown are based measuring equipment employing an average detector function.

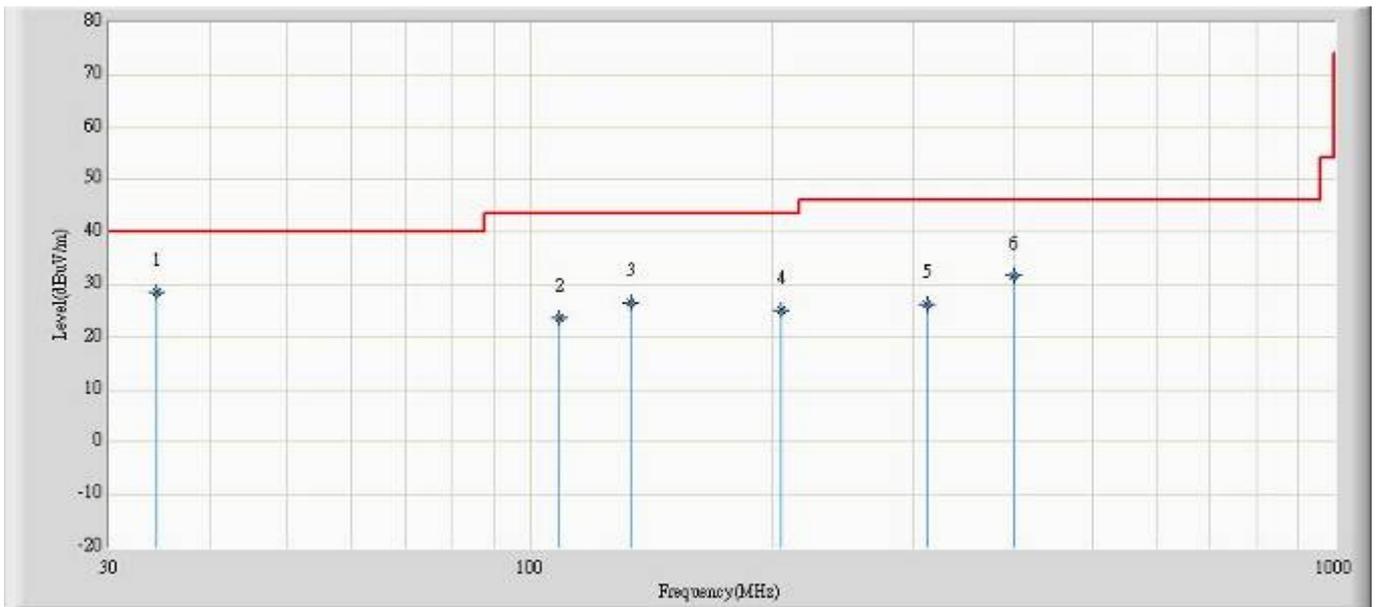
When average radiated emission measurement are included emission measurement Above 1000MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.

4.5. Deviation from Test Standard

No deviation.

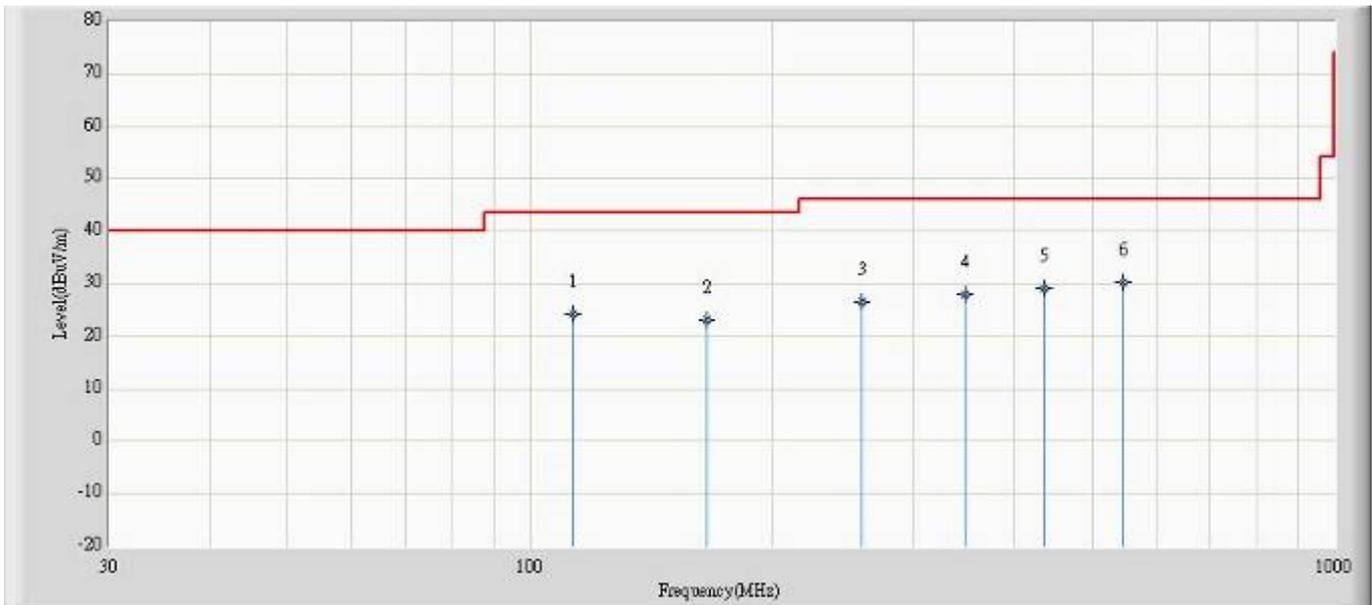
4.6. Test Result

Site: 9x6x6_Chamber	Time: 2011/12/07 - 10:17
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: CBL6112D_2909(30-1000MHz)	Polarity: Horizontal
EUT: HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: AC 120V/60Hz
Note: Mode 1: With Adapter #1	



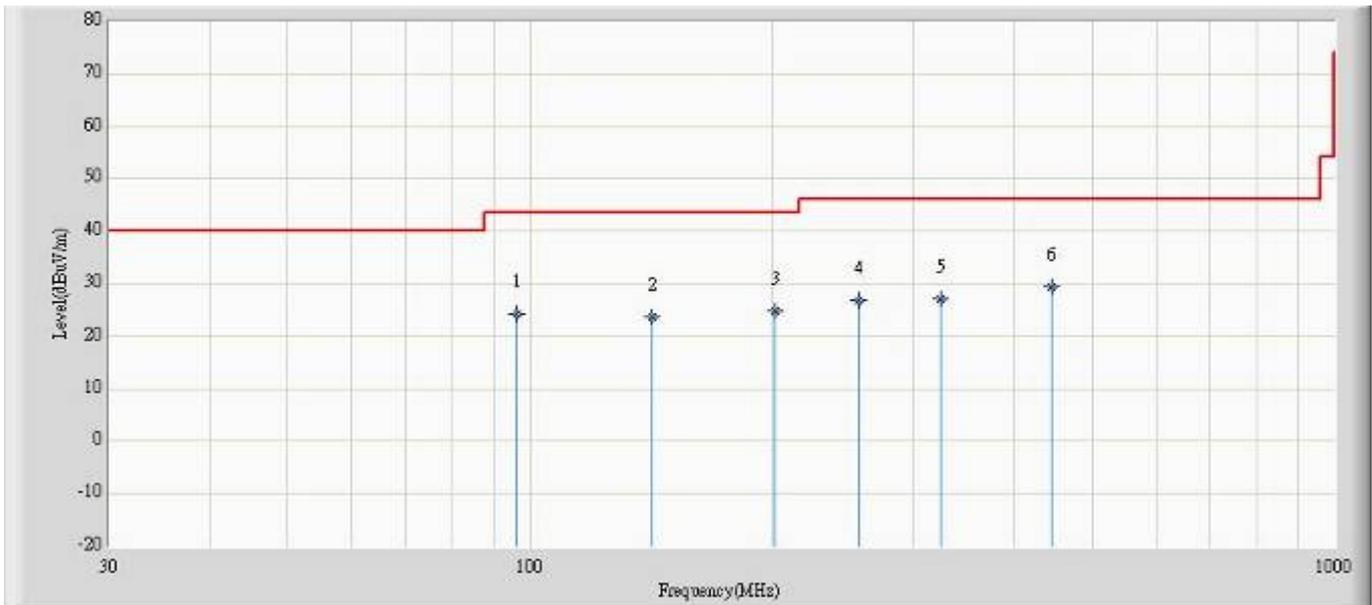
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	34.365	28.468	6.324	-11.532	40.000	22.144	QP
2			108.691	23.760	4.908	-19.740	43.500	18.852	QP
3			133.548	26.550	7.637	-16.950	43.500	18.913	QP
4			205.327	25.200	7.166	-18.300	43.500	18.034	QP
5			311.785	26.231	4.365	-19.769	46.000	21.866	QP
6			400.176	31.750	6.006	-14.250	46.000	25.744	QP

Site: 9x6x6_Chamber	Time: 2011/12/07 - 10:17
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: CBL6112D_2909(30-1000MHz)	Polarity: Vertical
EUT: HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: AC 120V/60Hz
Note: Mode 1: With Adapter #1	



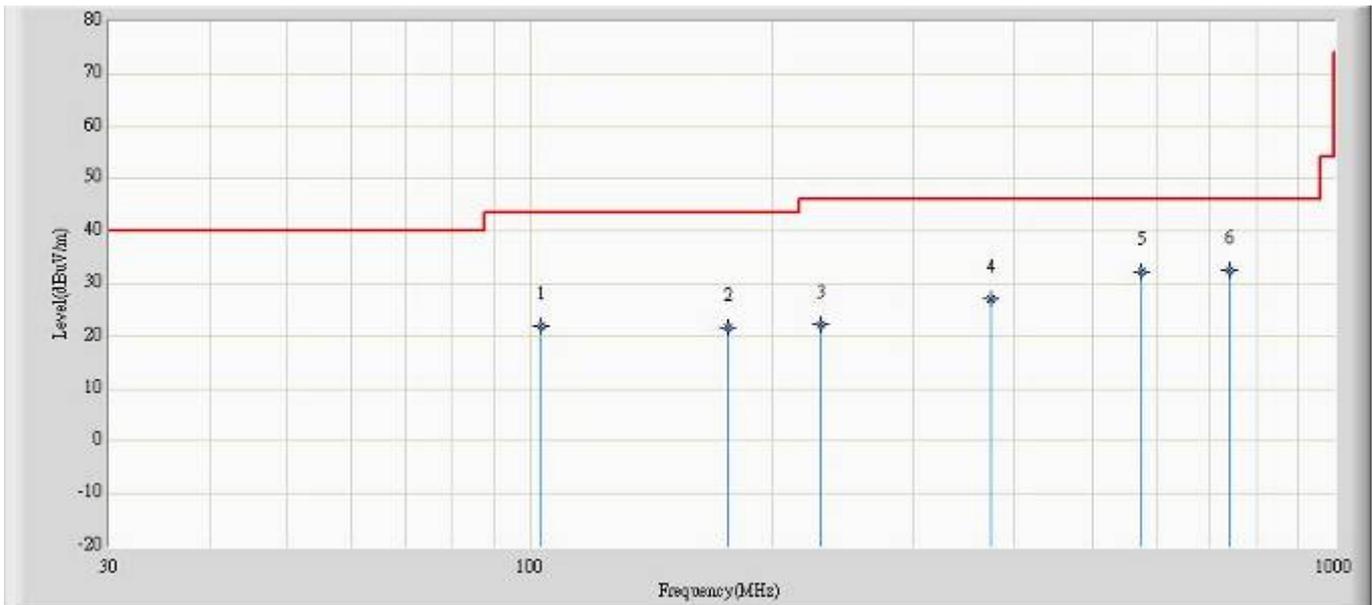
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			113.299	24.347	6.024	-19.153	43.500	18.323	QP
2			165.800	22.988	6.665	-20.512	43.500	16.323	QP
3			258.071	26.412	6.177	-19.588	46.000	20.234	QP
4			347.918	27.913	5.872	-18.087	46.000	22.041	QP
5			436.066	29.242	4.962	-16.758	46.000	24.280	QP
6		*	546.040	30.232	3.790	-15.768	46.000	26.442	QP

Site: 9x6x6_Chamber	Time: 2011/12/07 - 10:17
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: CBL6112D_2909(30-1000MHz)	Polarity: Horizontal
EUT: HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: AC 120V/60Hz
Note: Mode 1: With Adapter #2	



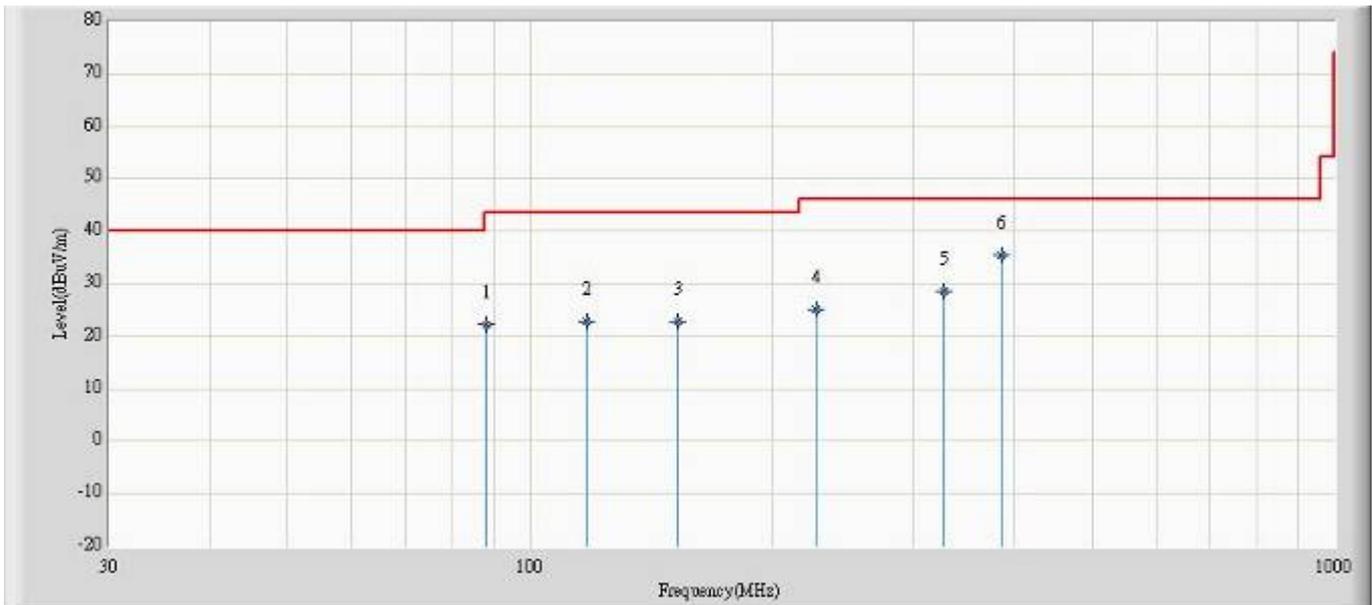
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			96.202	24.306	4.887	-19.194	43.500	19.419	QP
2			141.792	23.574	5.637	-19.926	43.500	17.937	QP
3			201.690	24.697	6.398	-18.803	43.500	18.299	QP
4			255.889	26.846	7.240	-19.154	46.000	19.606	QP
5			323.910	27.232	4.176	-18.768	46.000	23.056	QP
6		*	444.554	29.444	2.434	-16.556	46.000	27.010	QP

Site: 9x6x6_Chamber	Time: 2011/12/07 - 10:17
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: CBL6112D_2909(30-1000MHz)	Polarity: Vertical
EUT: HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: AC 120V/60Hz
Note: Mode 1: With Adapter #2	



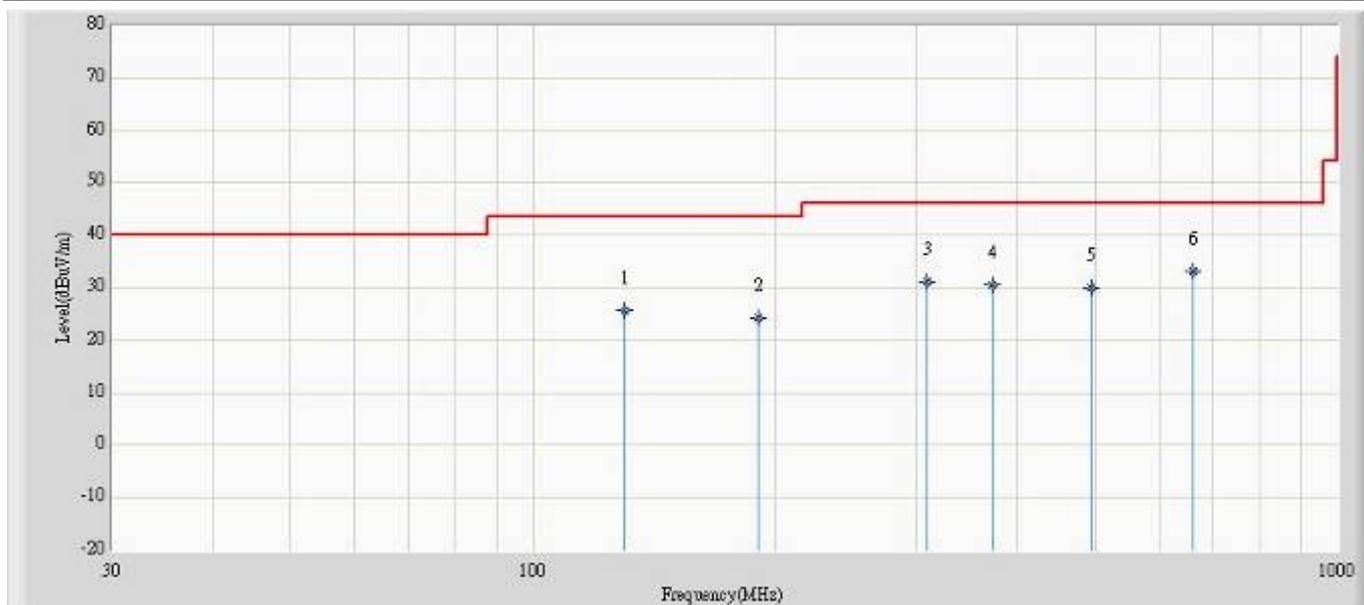
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			103.356	21.878	4.107	-21.622	43.500	17.771	QP
2			176.470	21.642	6.072	-21.858	43.500	15.570	QP
3			230.305	22.191	5.069	-23.809	46.000	17.122	QP
4			374.835	27.005	4.070	-18.995	46.000	22.934	QP
5			575.989	32.357	5.556	-13.643	46.000	26.801	QP
6		*	740.161	32.469	3.865	-13.531	46.000	28.604	QP

Site: 9x6x6_Chamber	Time: 2011/12/07 - 10:17
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: CBL6112D_2909(30-1000MHz)	Polarity: Horizontal
EUT: HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: By Battery
Note: Mode 2: With Headset #1	



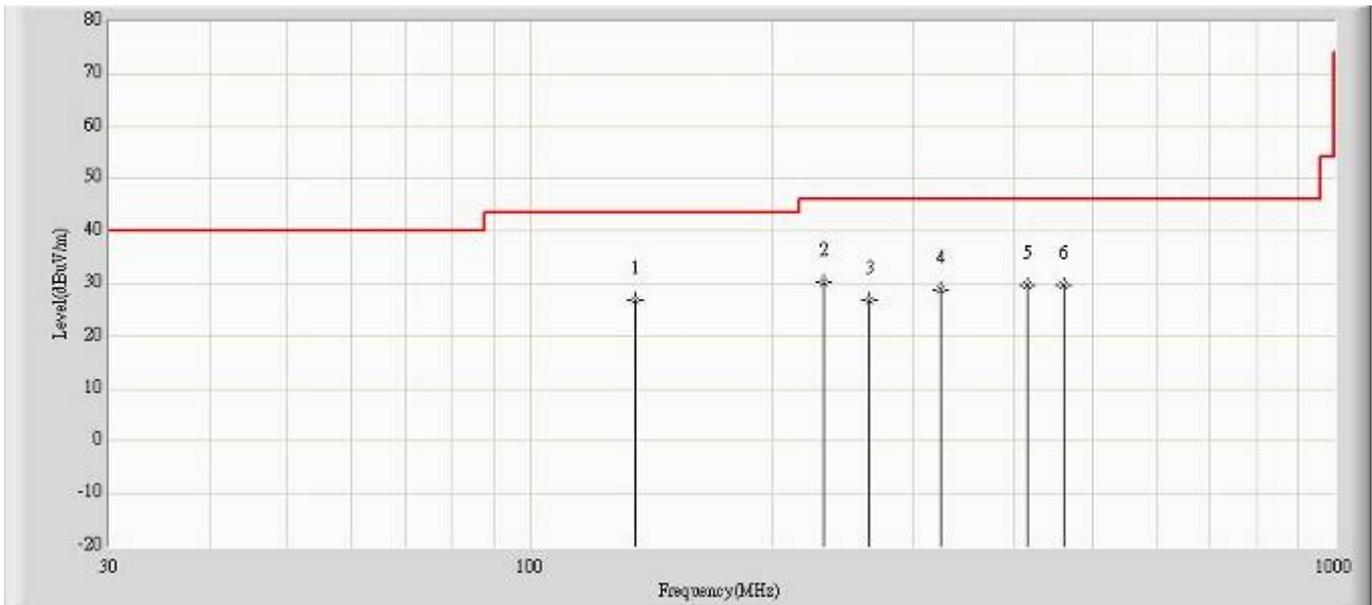
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			88.200	22.204	5.687	-21.296	43.500	16.517	QP
2			117.785	22.868	3.790	-20.632	43.500	19.078	QP
3			152.584	22.786	6.177	-20.714	43.500	16.609	QP
4			227.274	25.135	7.892	-20.865	46.000	17.243	QP
5			327.426	28.545	5.415	-17.455	46.000	23.130	QP
6		*	386.111	35.364	11.149	-10.636	46.000	24.215	QP

Site: 9x6x6_Chamber	Time: 2011/12/07 - 10:17
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: CBL6112D_2909(30-1000MHz)	Polarity: Vertical
EUT: HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: By Battery
Note: Mode 2: With Headset #1	



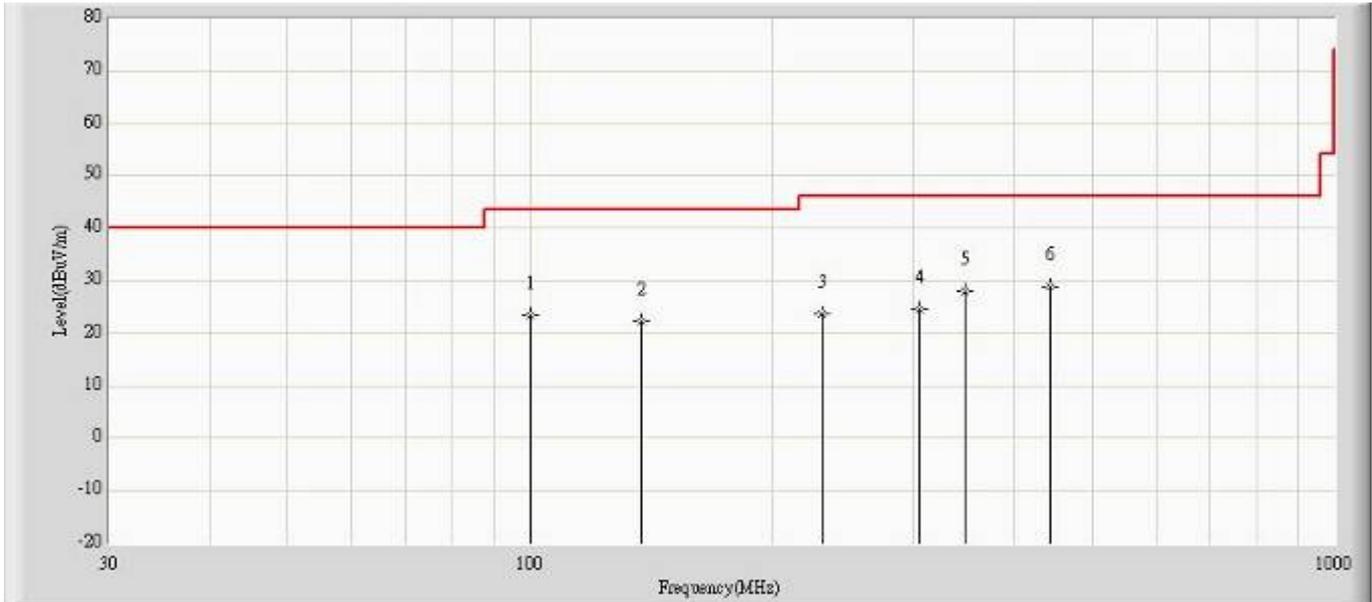
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			130.152	25.653	7.088	-17.847	43.500	18.565	QP
2			190.414	24.272	8.421	-19.228	43.500	15.851	QP
3			308.875	31.286	10.251	-14.714	46.000	21.035	QP
4			371.925	30.561	7.746	-15.439	46.000	22.814	QP
5			494.145	29.934	4.713	-16.066	46.000	25.221	QP
6		*	662.561	33.045	5.755	-12.955	46.000	27.290	QP

Site: 9x6x6_Chamber	Time: 2011/12/07 - 10:19
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: CBL6112D_2909(30-1000MHz)	Polarity: Horizontal
EUT: HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: By Battery
Note: Mode 2: With Headset #2	



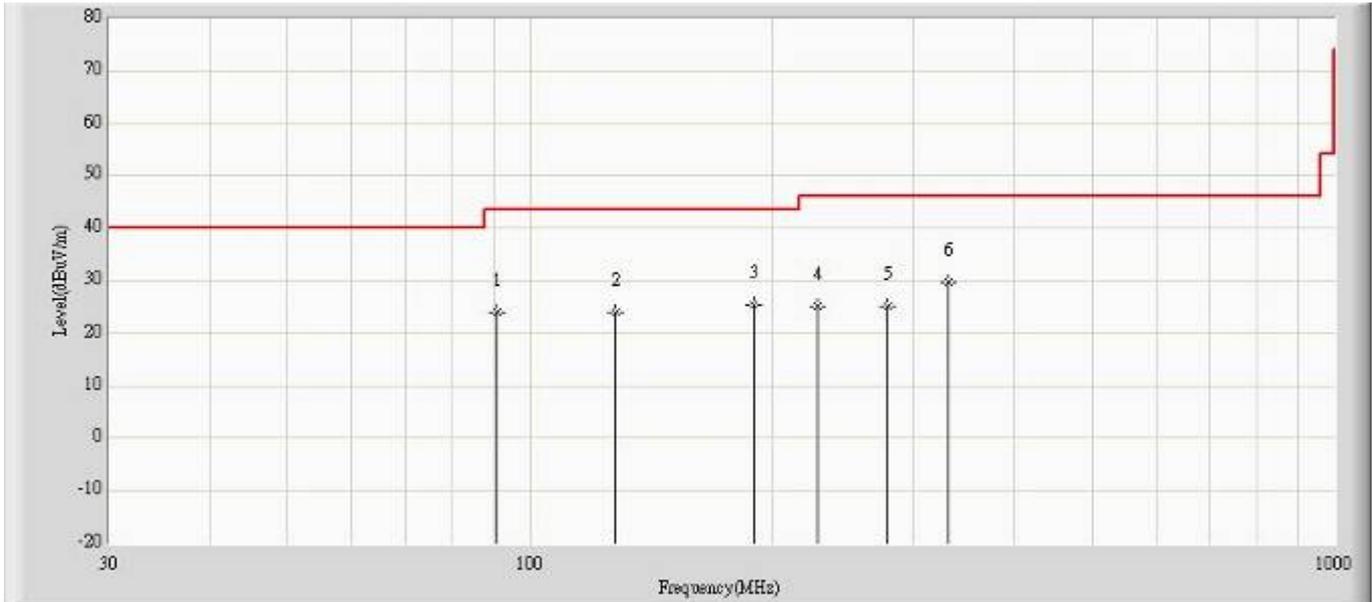
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			135.366	26.872	8.074	-16.628	43.500	18.799	QP
2		*	231.760	30.372	12.740	-15.628	46.000	17.632	QP
3			264.376	26.937	6.791	-19.063	46.000	20.146	QP
4			324.031	28.956	5.898	-17.044	46.000	23.058	QP
5			415.818	29.840	3.529	-16.160	46.000	26.311	QP
6			461.408	29.646	2.648	-16.354	46.000	26.998	QP

Site: 9x6x6_Chamber	Time: 2011/12/07 - 10:19
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: CBL6112D_2909(30-1000MHz)	Polarity: Vertical
EUT: HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: By Battery
Note: Mode 2: With Headset #2	



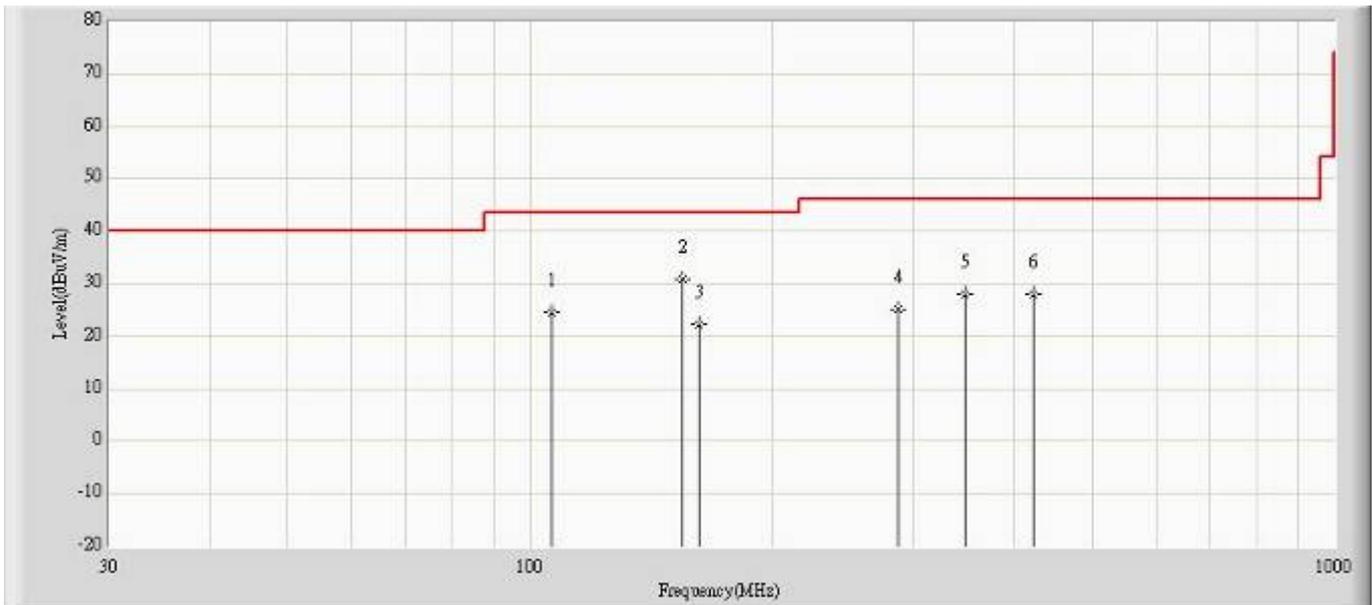
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			100.204	23.459	6.083	-20.041	43.500	17.376	QP
2			137.549	22.165	4.080	-21.335	43.500	18.085	QP
3			230.426	23.788	6.648	-22.212	46.000	17.140	QP
4			305.116	24.538	3.656	-21.462	46.000	20.881	QP
5			347.918	27.913	5.872	-18.087	46.000	22.041	QP
6		*	444.069	28.889	4.589	-17.111	46.000	24.300	QP

Site: 9x6x6_Chamber	Time: 2011/12/07 - 10:19
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: CBL6112D_2909(30-1000MHz)	Polarity: Horizontal
EUT: HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: AC 120V/60Hz
Note: Mode 3: USB Copy	



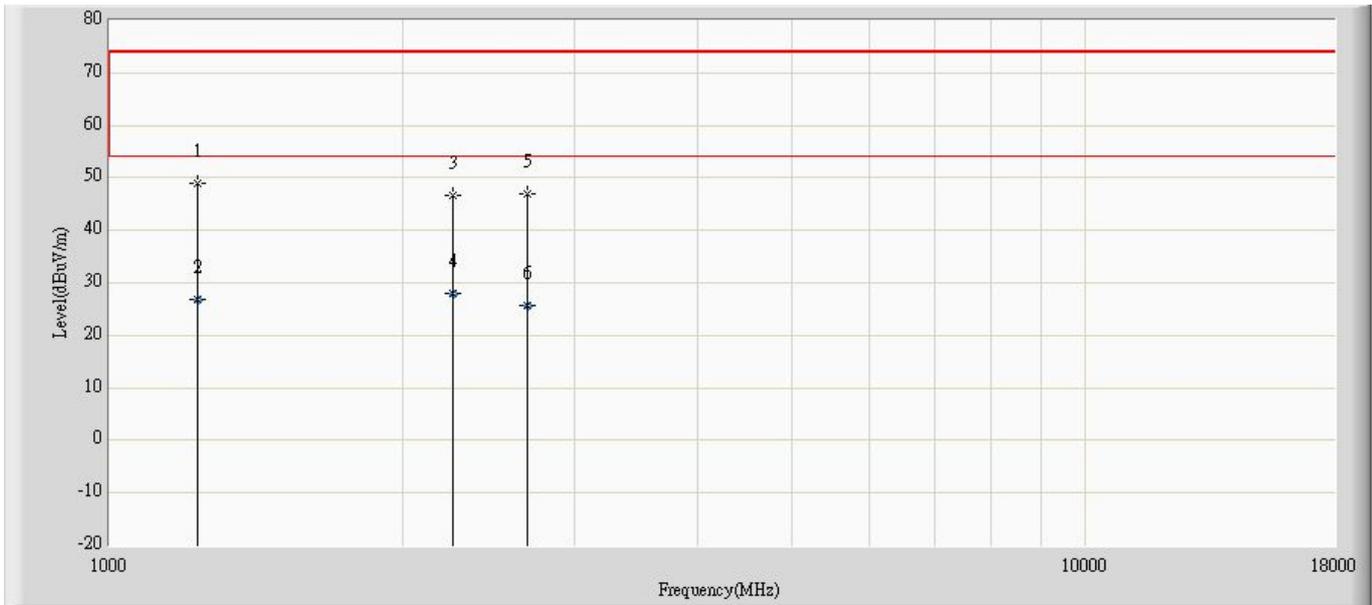
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			90.989	24.007	5.564	-19.493	43.500	18.443	QP
2			127.849	24.108	4.866	-19.392	43.500	19.242	QP
3			190.050	25.514	8.377	-17.986	43.500	17.137	QP
4			227.395	25.160	7.907	-20.840	46.000	17.254	QP
5			277.956	25.010	4.057	-20.990	46.000	20.954	QP
6		*	331.913	29.774	6.423	-16.226	46.000	23.352	QP

Site: 9x6x6_Chamber	Time: 2011/12/07 - 10:19
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: CBL6112D_2909(30-1000MHz)	Polarity: Vertical
EUT: HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: AC 120V/60Hz
Note: Mode 3: USB Copy	



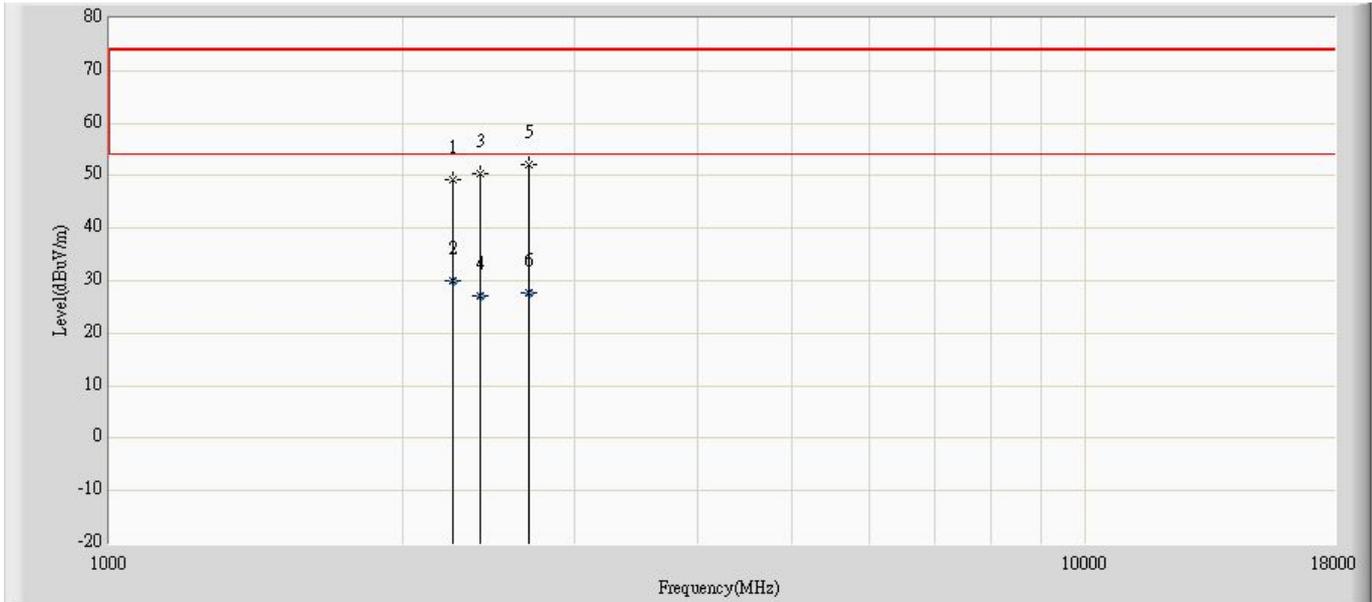
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			106.266	24.639	6.597	-18.861	43.500	18.042	QP
2		*	154.402	30.974	14.274	-12.526	43.500	16.700	QP
3			162.284	22.257	5.812	-21.243	43.500	16.445	QP
4			286.565	25.080	4.701	-20.920	46.000	20.379	QP
5			347.918	27.913	5.872	-18.087	46.000	22.041	QP
6			423.335	27.984	3.665	-18.016	46.000	24.319	QP

Site: 9x6x6_Chamber	Time: 2011/12/16 - 17:27
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: BBHA9120D_576(1-18GHz)	Polarity: Horizontal
EUT: HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: AC 120V/60Hz
Note: Mode 3: USB Copy	



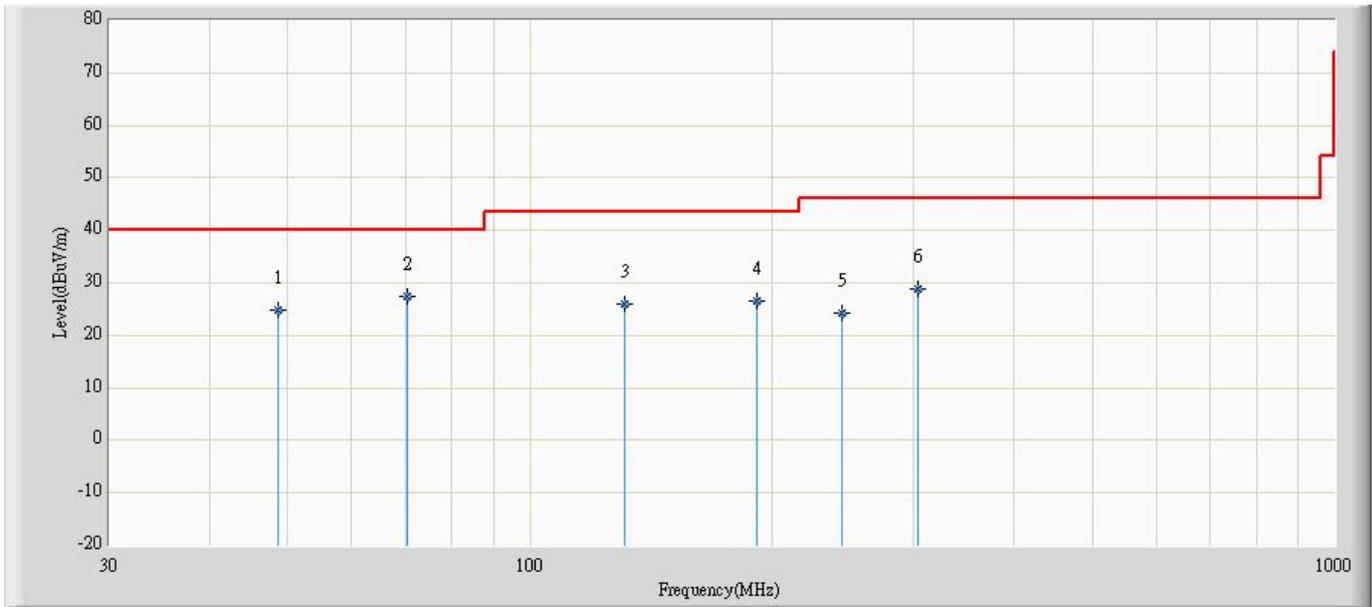
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	1230.000	49.032	69.235	-24.968	74.000	-20.203	PK
2			1230.000	26.761	46.330	-27.239	54.000	-19.569	AV
3			2250.000	46.751	62.459	-27.249	74.000	-15.707	PK
4			2250.000	27.969	43.990	-26.031	54.000	-16.021	AV
5			2685.000	46.982	62.161	-27.018	74.000	-15.179	PK
6			2685.000	25.605	42.240	-28.395	54.000	-16.635	AV

Site: 9x6x6_Chamber	Time: 2011/12/16 - 17:27
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: BBHA9120D_576(1-18GHz)	Polarity: Vertical
EUT: HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: AC 120V/60Hz
Note: Mode 3: USB Copy	



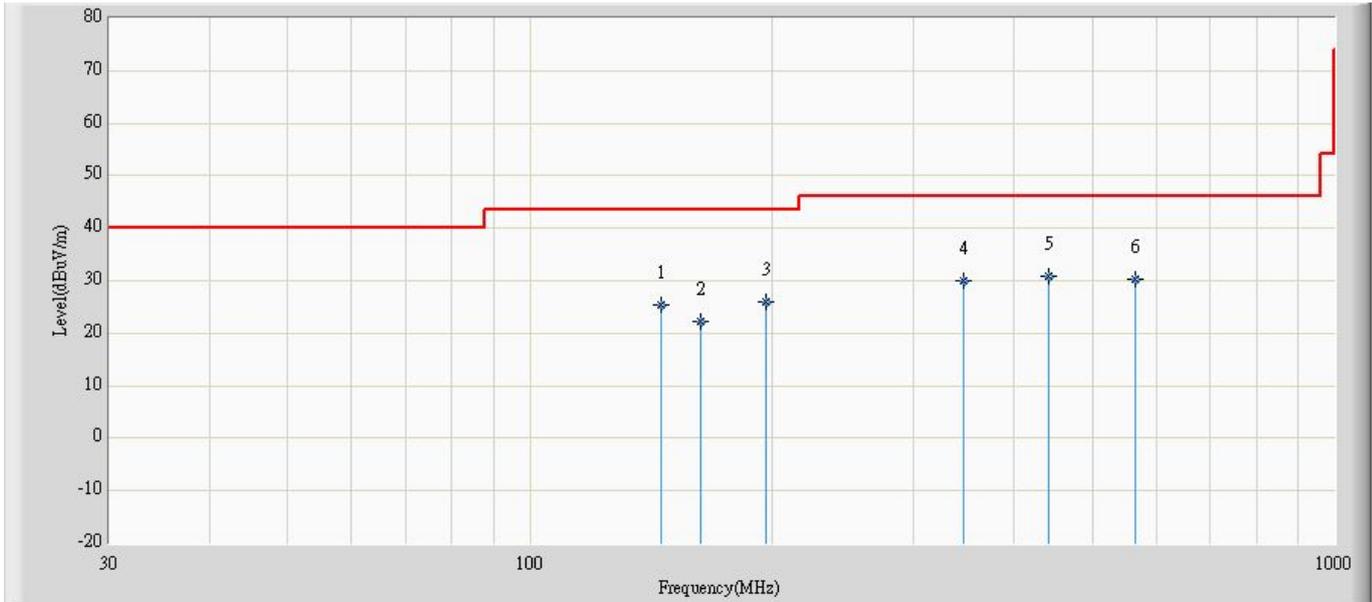
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2250.000	49.265	64.973	-24.735	74.000	-15.707	PK
2			2250.000	30.139	46.160	-23.861	54.000	-16.021	AV
3			2400.000	50.534	66.199	-23.466	74.000	-15.665	PK
4			2400.000	27.180	43.360	-26.820	54.000	-16.180	AV
5		*	2687.500	52.142	67.358	-21.858	74.000	-15.217	PK
6			2687.500	27.654	44.290	-26.346	54.000	-16.636	AV

Site: 9x6x6_Chamber	Time: 2011/12/07 - 21:41
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: CBL6112D_2909(30-1000MHz)	Polarity: Horizontal
EUT: HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: AC 120V/60Hz
Note: Mode 4: GPS Receive	



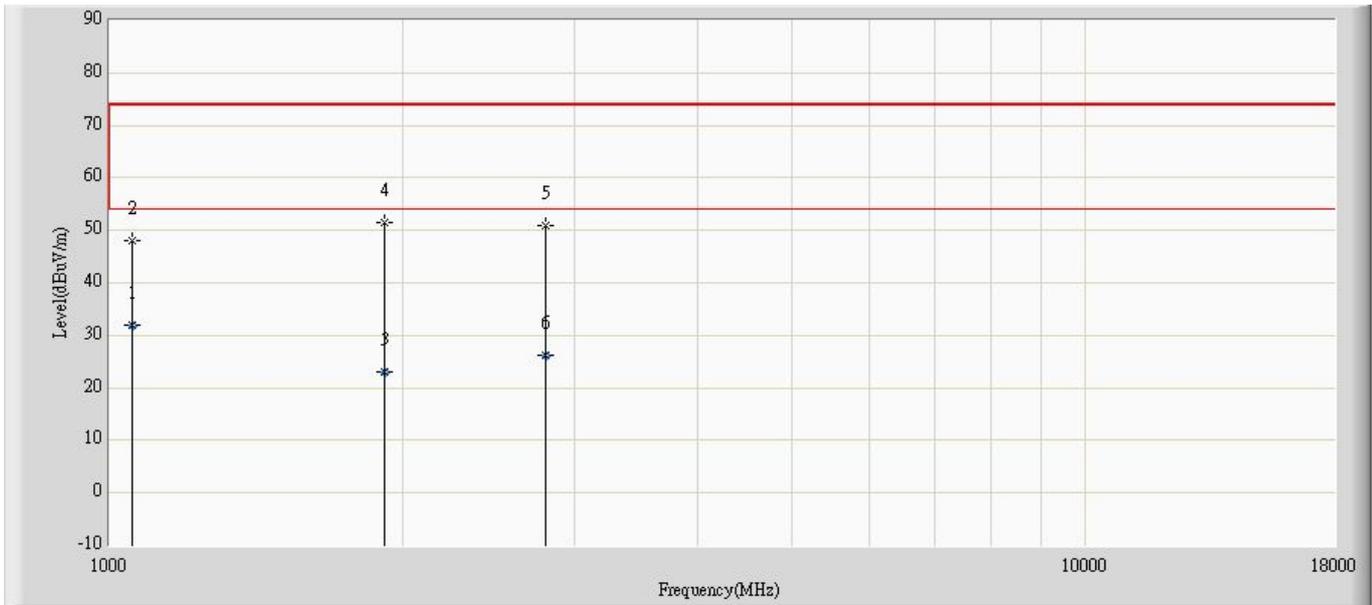
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		48.551	24.747	9.506	-15.253	40.000	15.241	QP
2	*	70.255	27.528	17.643	-12.472	40.000	9.885	QP
3		131.001	25.882	6.839	-17.618	43.500	19.043	QP
4		191.626	26.416	9.365	-17.084	43.500	17.051	QP
5		244.491	24.155	5.450	-21.845	46.000	18.705	QP
6		303.904	28.858	7.829	-17.142	46.000	21.030	QP

Site: 9x6x6_Chamber	Time: 2011/12/07 - 21:41
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: CBL6112D_2909(30-1000MHz)	Polarity: Vertical
EUT: HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: AC 120V/60Hz
Note: Mode 4: GPS Receive	



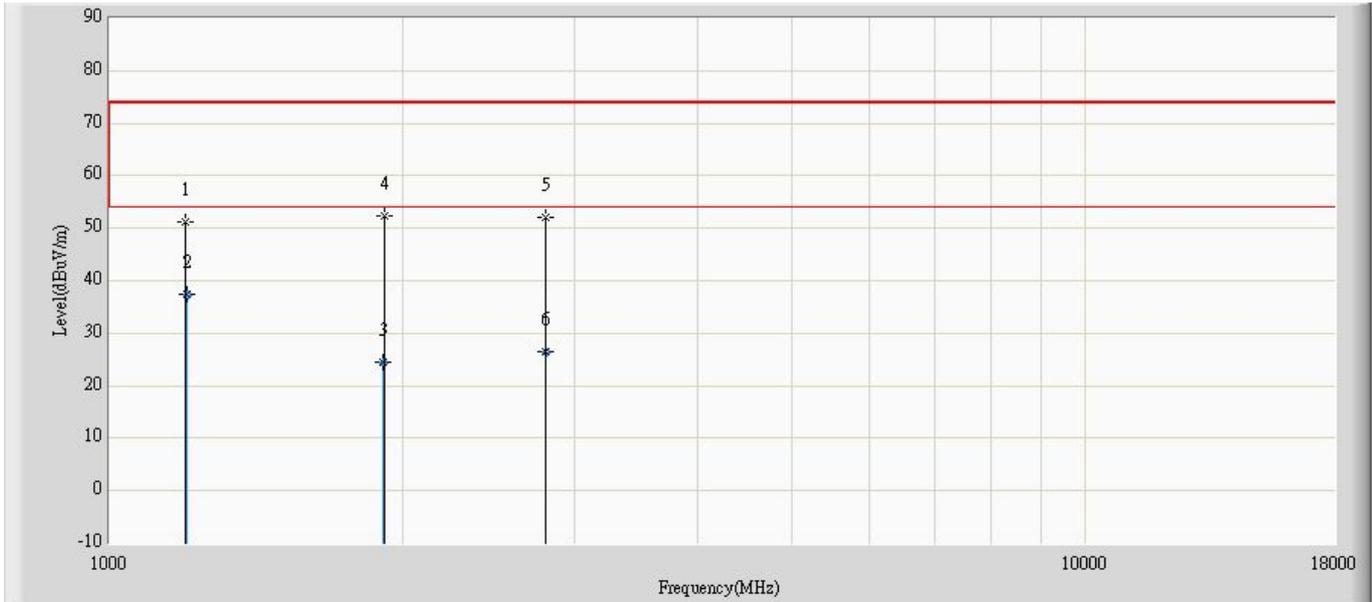
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		145.794	25.487	3.482	-18.013	43.500	22.005	QP
2		163.254	22.330	0.591	-21.170	43.500	21.739	QP
3		196.719	25.892	5.638	-17.608	43.500	20.254	QP
4		346.341	30.098	6.959	-15.902	46.000	23.139	QP
5	*	441.159	30.878	5.446	-15.122	46.000	25.432	QP
6		564.834	30.313	2.667	-15.687	46.000	27.645	QP

Site: 9x6x6_Chamber	Time: 2011/12/09 - 09:57
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: BBHA9120D_576(1-18GHz)	Polarity: Horizontal
EUT: HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: AC 120V/60Hz
Note: Mode 4: GPS Receive	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	1053.970	31.895	51.764	-22.105	54.000	-19.868	AV
2			1055.000	48.098	67.966	-25.902	74.000	-19.868	PK
3			1912.140	23.048	41.575	-30.952	54.000	-18.527	AV
4			1912.500	51.467	69.992	-22.533	74.000	-18.525	PK
5			2795.000	50.980	67.564	-23.020	74.000	-16.584	PK
6			2797.290	26.307	42.890	-27.693	54.000	-16.582	AV

Site: 9x6x6_Chamber	Time: 2011/12/09 - 09:57
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: BBHA9120D_576(1-18GHz)	Polarity: Vertical
EUT: HSDPA/HSUPA/GSM/GPRS/EDGE Mobile Phone with Bluetooth; HUAWEI VISION;VISION;U8850	Power: AC 120V/60Hz
Note: Mode 4: GPS Receive	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			1197.500	51.120	70.905	-22.880	74.000	-19.785	PK
2		*	1199.230	37.360	57.138	-16.640	54.000	-19.778	AV
3			1907.940	24.479	43.023	-29.521	54.000	-18.544	AV
4			1915.000	52.373	70.888	-21.627	74.000	-18.515	PK
5			2797.500	52.072	68.655	-21.928	74.000	-16.583	PK
6			2798.989	26.581	43.163	-27.419	54.000	-16.582	AV