

Test Report

Product Name : CDMA 1X Digital Mobile Phone
Model No. : HUAWEI C5120
FCC ID : QISC5120A

Applicant : HUAWEI TECHNOLOGIES CO., LTD
Address : Administration Building, Huawei Base, Bantian,
Longgang District, Shenzhen 518129

Date of Receipt : 17/10/2011
Test Date : 17/10/2011~19/10/2011
Issued Date : 20/10/2011
Report No. : 11AS018R-HP-US-P01V02
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: 20/10/2011

Report No. : 11AS018R-HP-US-P01V02



Product Name : CDMA 1X Digital Mobile Phone
 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 C5120
 EUT Voltage : DC 3.7V
 Brand Name : HUAWEI
 Applicable Standard : FCC Part 15 Subpart B: 2008 Class B
 ANSI C63.4: 2009
 Test Result : Complied
 Performed Location : Suzhou EMC 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
 FCC Registration Number: 800392

Documented By : Alice Ni
 (Engineering ADM: Alice Ni)
 Reviewed By : Robin Wu
 (Senior Engineer: Robin Wu)
 Approved By : Marlinchen
 (Engineering Supervisor: Marlin Chen)

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.....	6
1.3. Tested System Details	7
1.4. Configuration of Tested System.....	8
1.5. EUT Exercise Software.....	10
2. Technical Test.....	11
2.1. Summary of Test Result.....	11
2.2. List of Test Equipment	12
2.3. Measurement Uncertainty.....	13
2.4. Test Environment.....	14
3. Conducted Emission	15
3.1. Test Specification.....	15
3.2. Test Setup	15
3.3. Limit.....	15
3.4. Test Procedure	15
3.5. Deviation from Test Standard.....	16
3.6. Test Result.....	17
3.7. Test Photograph	23
4. Radiated Emission	25
4.1. Test Specification.....	25
4.2. Test Setup	25
4.3. Limit.....	26
4.4. Test Procedure	26
4.5. Deviation from Test Standard.....	27
4.6. Test Result.....	28
4.7. Test Photograph	36
5. Attachment	38
➤ EUT Photograph.....	38

1. General Information

1.1. EUT Description

Product Name	CDMA 1X Digital Mobile Phone
Model No.	HUAWEI C5120
Device Category	Portable
CDMA	
Support Band	CDMA2000 1X BC0
Uplink	824~849MHz
Downlink	869~894MHz
Antenna Type	Internal
Type of Modulation	QPSK
Peak Antenna Gain	-2dBi
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	-2dBi
Components	
Headset Model Number	MEMD1532A772H00
Battery	M/N: HB5D1 Rated Voltage and Capacitance: 3.7V/800mAh
Adapter #1	Manufacturer: HKA M/N: HS-050040U6 Input: 100-240V~50/60Hz 0.2A Output: 5Vdc, 400mA
Adapter #2	Manufacturer: BYD M/N: HS-050040U6 Input: 100-240V~50/60Hz 0.2A Output: 5Vdc, 400mA

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 By Adapter #1
Mode 2: Charging + Camera On By Adapter #2
Mode 3: USB Copy
Mode 4: FM

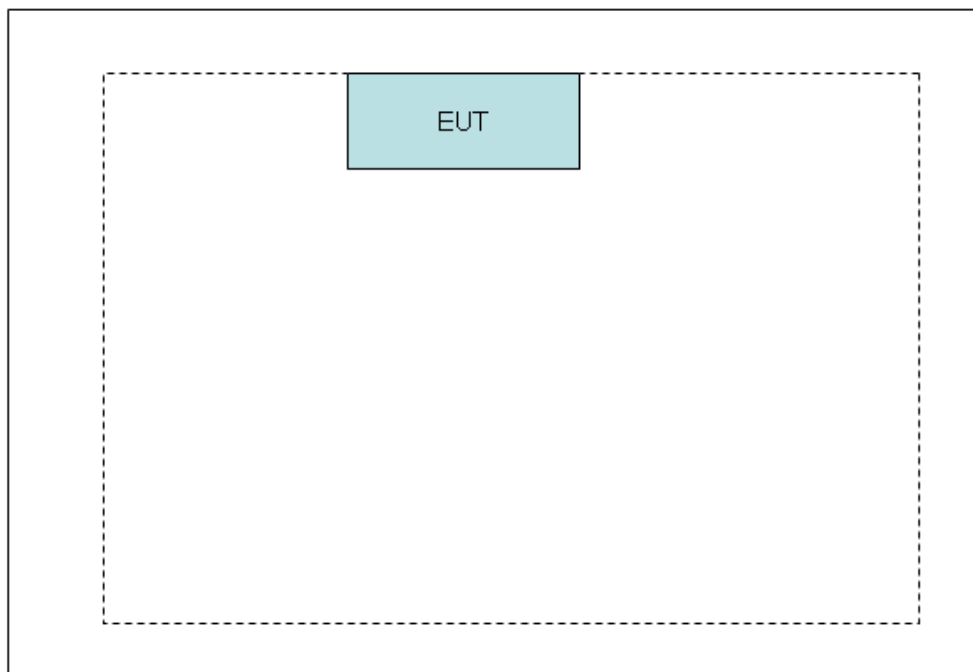
1.3. Tested System Details

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

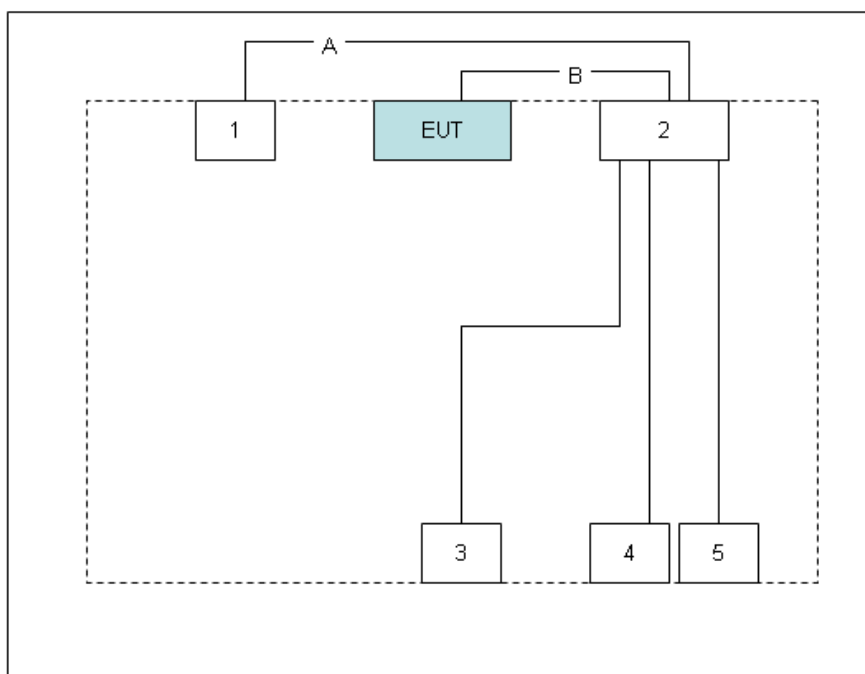
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	LCD Monitor	DELL	3008WFP	26606581093	Non-Shielded, 1.8m
2	PC	DELL	DCMF	11DMF2X	Non-Shielded, 1.8m
3	Microphone& Earphone	SOMIC	V85	N/A	Power by PC
4	iPod	Apple	A1199	7J71085BVQ5	Power by PC
5	USB Mouse	DELL	MOC5UO	10D00JJL	Power by PC
6	Signal Generator	Agilent	E4438C	MY49070163	N/A

1.4. Configuration of Tested System

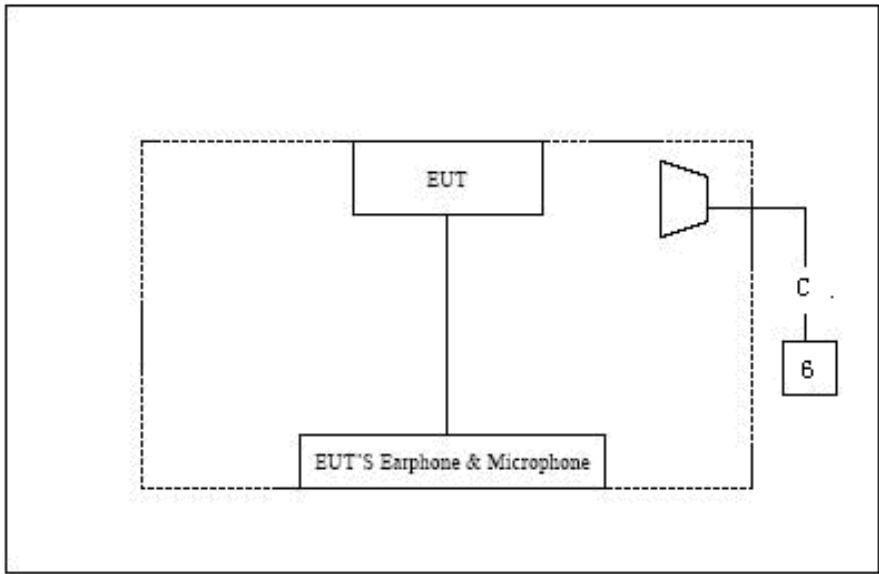
Connection Diagram (Mode 1~2)



Connection Diagram (Mode 3)



Connection Diagram (Mode 4)



Signal Cable Type		Signal cable Description
A	VGA Cable	Shielded, 1.5m
B	USB Cable	Shielded, 1.2m
C	Coaxial Cable	Shielded, >5m

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) Open the software "WINTHRAX", and then transmit data with notebook. (3) Making EUT work under the "FM" 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: 2009	Yes	No
Radiated Emission	FCC CFR Title 47 Part 15 Subpart B: 2008 Class B ANSI C63.4: 2009	Yes	No

2.2. List of Test Equipment

Conducted Emission / TR-1

Instrument	Manufacturer	Type No.	Serial No	Cal. Due Date
EMI Test Receiver	R&S	ESCI	100906	2012/01/15
Two-Line V-Network	R&S	ENV216	100043	2012/04/29
Two-Line V-Network	R&S	ENV216	100044	2012/09/07
Balanced Telecom ISN	Fischer	FCC-TLISN-T2-02	20352	2012/01/15
Balanced Telecom ISN	Fischer	FCC-TLISN-T4-02	20353	2012/01/15
Balanced Telecom ISN	Fischer	FCC-TLISN-T8-02	20354	2012/01/15
Current Probe	R&S	EZ-17	100255	2012/04/18
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2012/05/05
50ohm Termination	SHX	TF2	07081401	2012/09/22
50ohm Termination	SHX	TF2	07081402	2012/09/22
50ohm Termination	SHX	TF2	07081403	2012/09/15
Temperature/Humidity Meter	zhicheng	ZC1-2	TR1-TH	2012/01/14

Radiated Emission / AC-2

Instrument	Manufacturer	Type No.	Serial No.	Cal. Due Date
EMI Test Receiver	R&S	ESCI	100573	2012/04/23
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2012/10/18
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2012/05/05
Temperature/Humidity Meter	Zhicheng	ZC1-2	AC2-TH	2012/01/14

Radiated Emission / AC-5

Instrument	Manufacturer	Type No.	Serial No.	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2012/04/23
Preamplifier	Quietek	AP-180C	CHM-0602013	2012/05/05
Preamplifier	Quietek	AP-040G	CHM-0906001	2012/05/05
Bilog Antenna	Teseq GmbH	CBL6112D	27612	2012/10/18
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	499	2012/06/11
High-Pass Filter	Wainwright	WHKX2.8/18G-12SS	SN1	2012/03/03
High-Pass Filter	Wainwright	WHKX7.0/18G-8SS	SN16	2012/03/03
Lowpass Filter	Wainwright	WLKS4500-9SS	SN2	2012/03/03

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

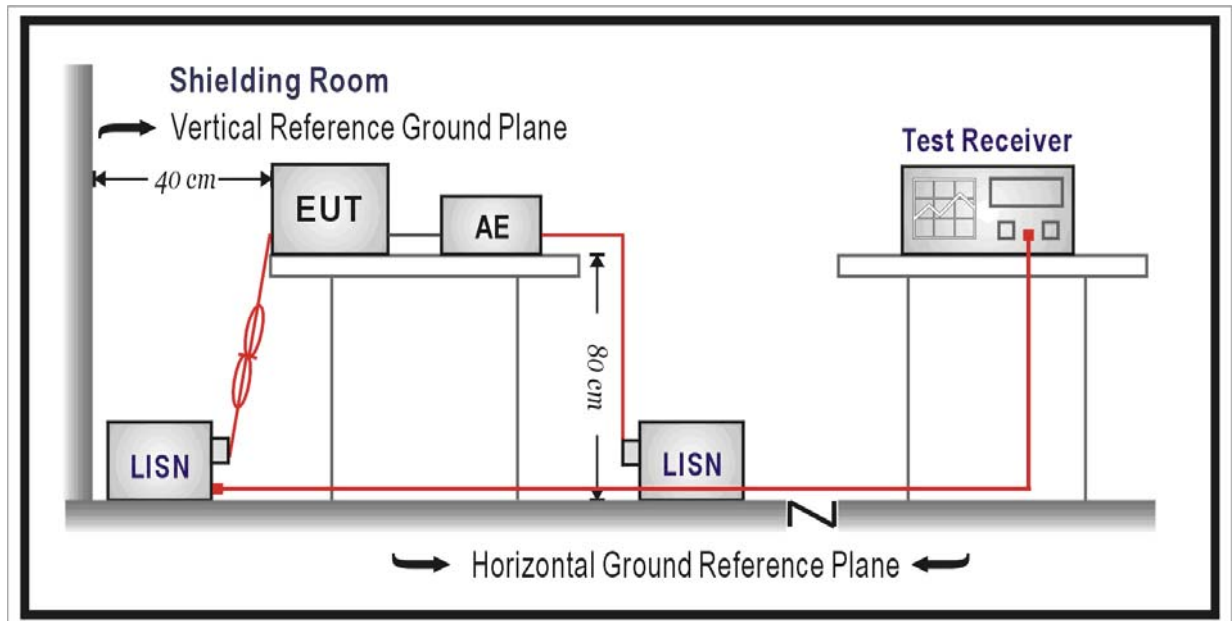
Performed Item	Items	Required	Actual
Conducted Emission	Temperature (°C)	15-35	25
	Humidity (%RH)	25-75	50
	Barometric pressure (mbar)	860-1060	950-1000
Radiated Emission	Temperature (°C)	15-35	25
	Humidity (%RH)	25-75	50
	Barometric pressure (mbar)	860-1060	950-1000

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.

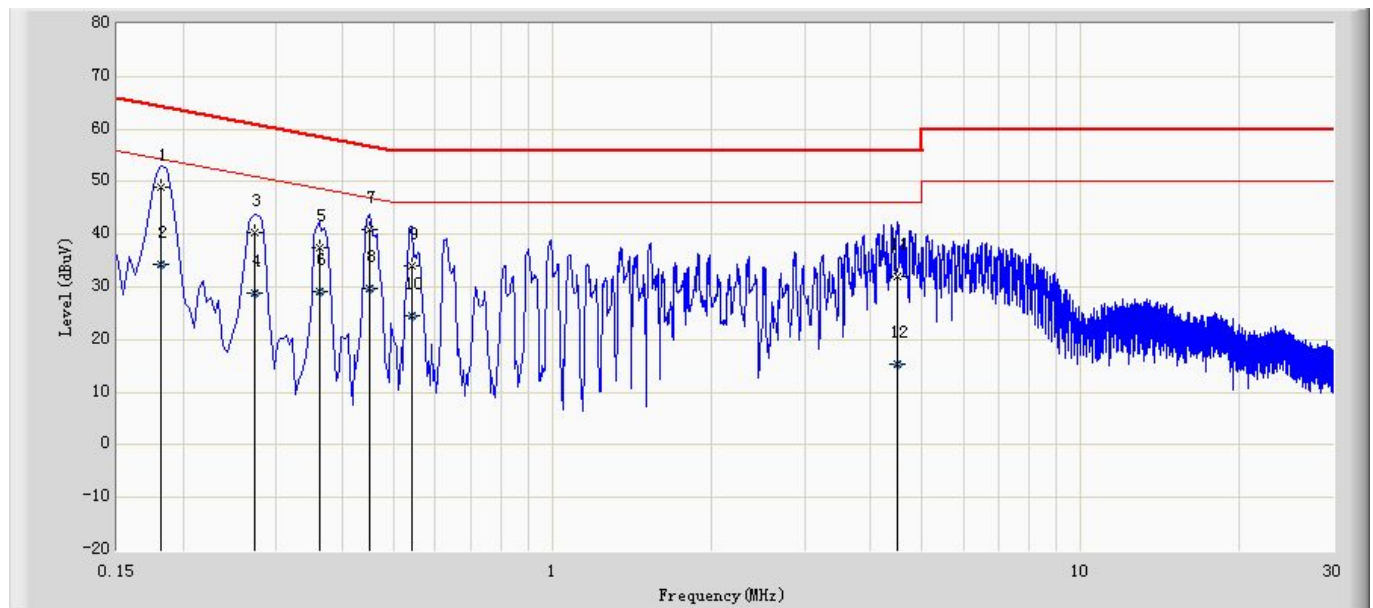
Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

3.5. Deviation from Test Standard

No deviation.

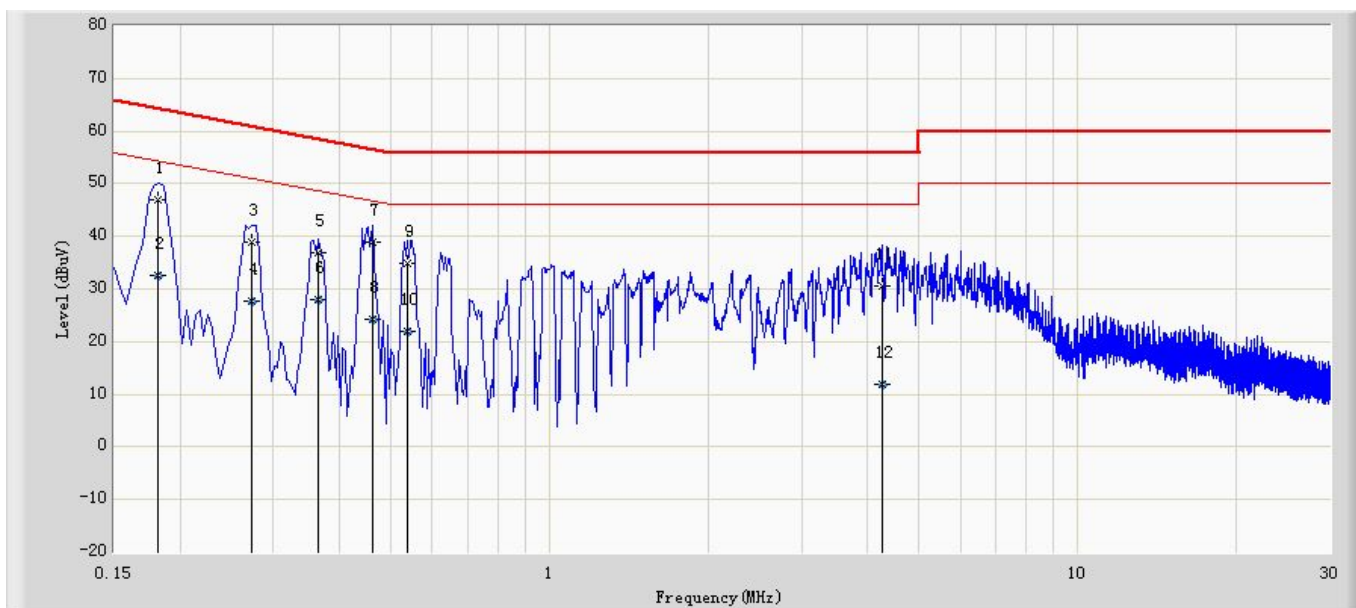
3.6. Test Result

Engineer: Sunny	
Site: TR1	Time: 2011/10/18 - 09:14
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101043(0.009-30MHz)	Polarity: Line
EUT: CDMA 1X Digital Mobile Phone	Power: 120V/60Hz
Note: Mode 1	



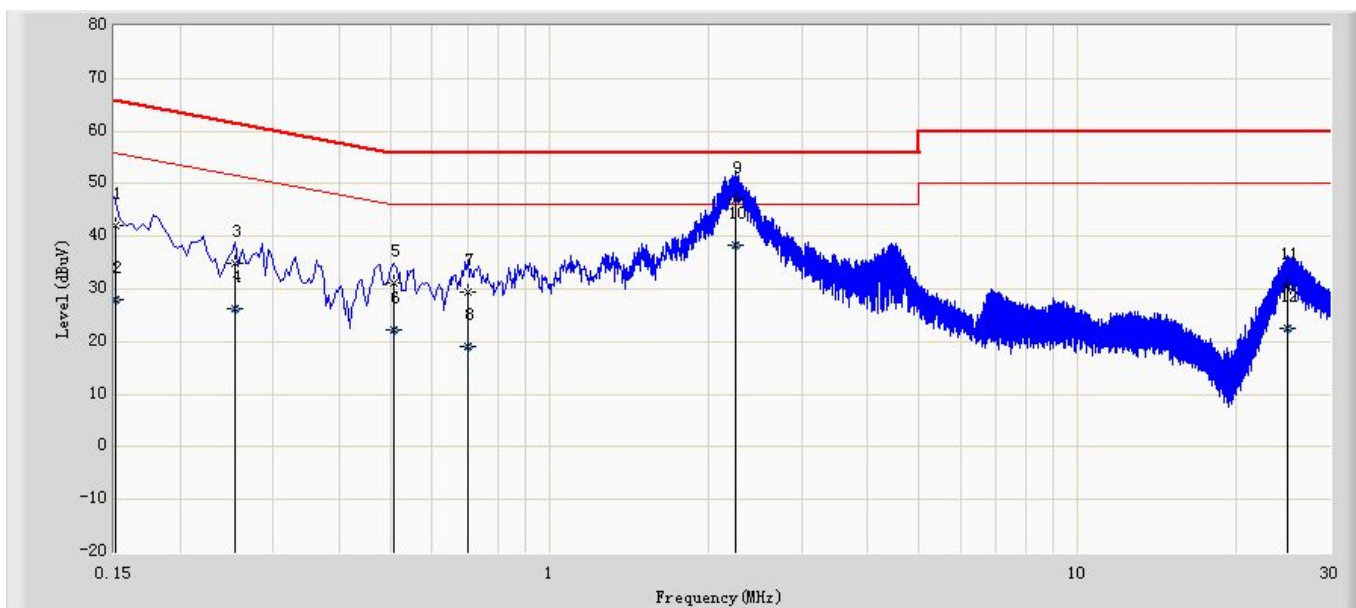
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.182	49.005	39.368	-15.389	64.394	9.637	QP
2		0.182	34.380	24.743	-20.014	54.394	9.637	AV
3		0.274	40.210	30.530	-20.785	60.996	9.680	QP
4		0.274	28.815	19.135	-22.180	50.996	9.680	AV
5		0.362	37.519	27.839	-21.164	58.682	9.680	QP
6		0.362	29.067	19.387	-19.615	48.682	9.680	AV
7		0.450	40.886	31.206	-15.989	56.875	9.680	QP
8		0.450	29.747	20.067	-17.128	46.875	9.680	AV
9		0.542	33.943	24.263	-22.057	56.000	9.680	QP
10		0.542	24.596	14.916	-21.404	46.000	9.680	AV
11		4.510	31.906	22.191	-24.094	56.000	9.715	QP
12		4.510	15.333	5.618	-30.667	46.000	9.715	AV

Engineer: Sunny	
Site: TR1	Time: 2011/10/18 - 09:17
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101043(0.009-30MHz)	Polarity: Neutral
EUT: CDMA 1X Digital Mobile Phone	Power: 120V/60Hz
Note: Mode 1	



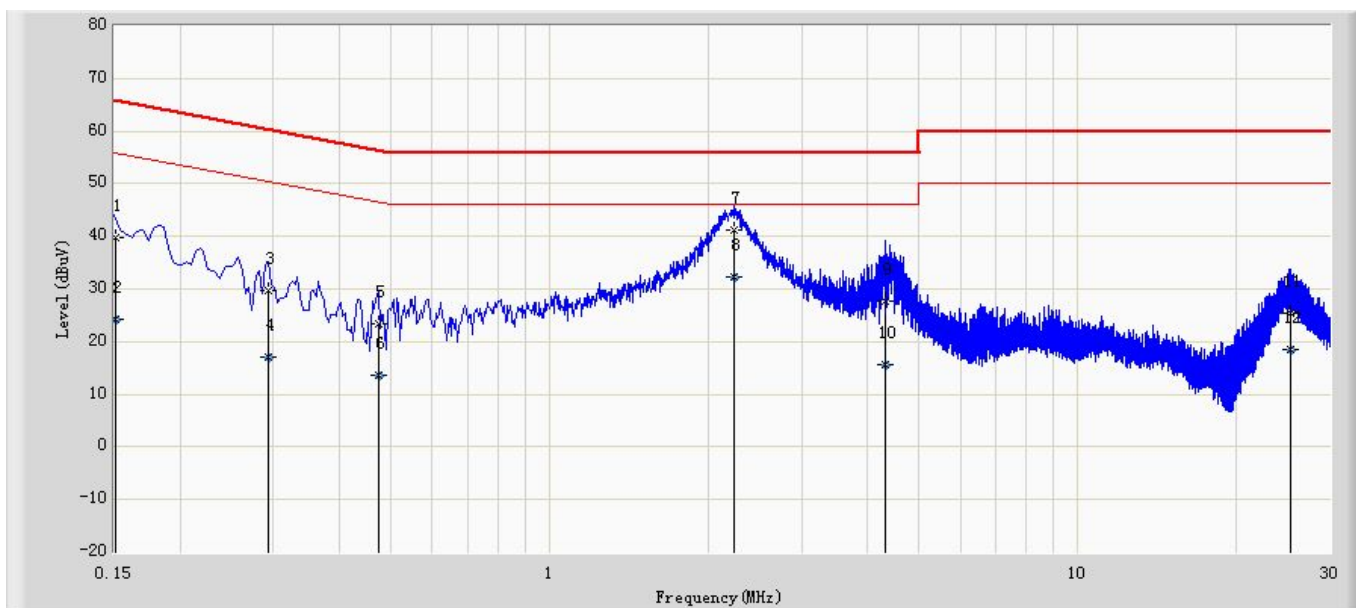
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.182	47.073	37.380	-17.321	64.394	9.693	QP
2		0.182	32.640	22.947	-21.754	54.394	9.693	AV
3		0.274	39.050	29.398	-21.945	60.996	9.652	QP
4		0.274	27.758	18.106	-23.237	50.996	9.652	AV
5		0.366	36.928	27.273	-21.663	58.591	9.656	QP
6		0.366	28.025	18.369	-20.566	48.591	9.656	AV
7		0.462	39.001	29.343	-17.655	56.657	9.659	QP
8		0.462	24.131	14.472	-22.526	46.657	9.659	AV
9		0.538	34.992	25.328	-21.008	56.000	9.664	QP
10		0.538	21.977	12.313	-24.023	46.000	9.664	AV
11		4.254	30.450	20.737	-25.550	56.000	9.713	QP
12		4.254	11.829	2.116	-34.171	46.000	9.713	AV

Engineer: Sunny	
Site: TR1	Time: 2011/10/18 - 09:19
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101043(0.009-30MHz)	Polarity: Line
EUT: CDMA 1X Digital Mobile Phone	Power: 120V/60Hz
Note: Mode 2	



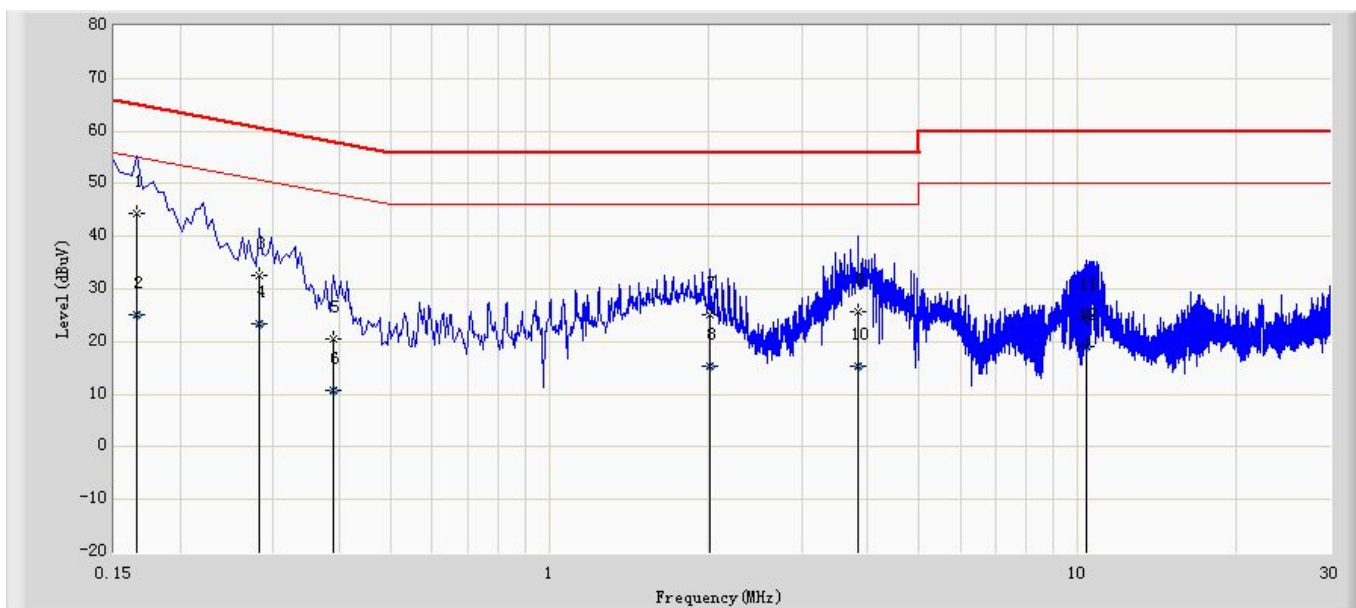
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.151	41.933	32.346	-24.012	65.945	9.587	QP
2		0.151	28.041	18.454	-27.904	55.945	9.587	AV
3		0.254	34.838	25.158	-26.788	61.625	9.680	QP
4		0.254	26.170	16.490	-25.456	51.625	9.680	AV
5		0.506	31.238	21.558	-24.762	56.000	9.680	QP
6		0.506	22.190	12.510	-23.810	46.000	9.680	AV
7		0.702	29.283	19.603	-26.717	56.000	9.680	QP
8		0.702	19.166	9.487	-26.834	46.000	9.680	AV
9		2.258	46.971	37.279	-9.029	56.000	9.693	QP
10	*	2.258	38.248	28.555	-7.752	46.000	9.693	AV
11		25.006	30.466	20.586	-29.534	60.000	9.880	QP
12		25.006	22.585	12.705	-27.415	50.000	9.880	AV

Engineer: Sunny	
Site: TR1	Time: 2011/10/18 - 09:22
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101043(0.009-30MHz)	Polarity: Neutral
EUT: CDMA 1X Digital Mobile Phone	Power: 120V/60Hz
Note: Mode 2	



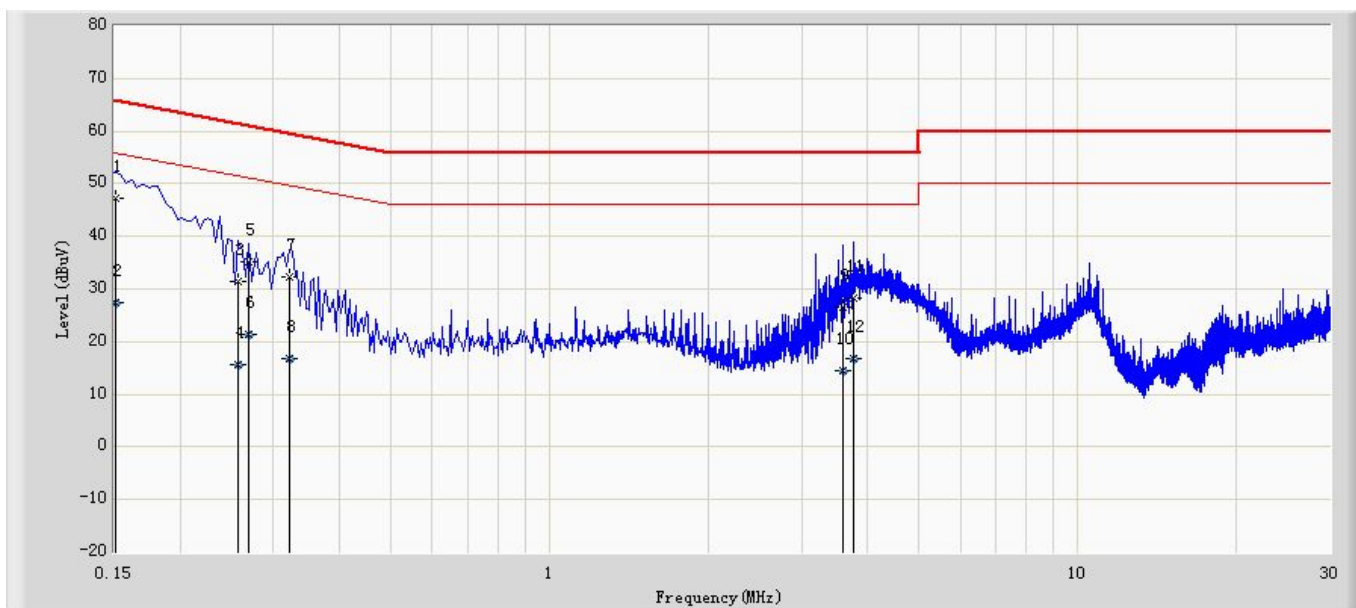
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.151	39.651	29.909	-26.294	65.945	9.742	QP
2		0.151	24.187	14.445	-31.758	55.945	9.742	AV
3		0.294	29.612	19.959	-30.799	60.411	9.653	QP
4		0.294	17.049	7.396	-33.362	50.411	9.653	AV
5		0.474	23.293	13.634	-33.151	56.444	9.659	QP
6		0.474	13.764	4.105	-32.679	46.444	9.659	AV
7		2.234	41.108	31.416	-14.892	56.000	9.692	QP
8	*	2.234	32.378	22.686	-13.622	46.000	9.692	AV
9		4.322	27.643	17.930	-28.357	56.000	9.713	QP
10		4.322	15.621	5.907	-30.379	46.000	9.713	AV
11		25.246	25.394	15.430	-34.606	60.000	9.964	QP
12		25.246	18.422	8.458	-31.578	50.000	9.964	AV

Engineer: Sunny	
Site: TR1	Time: 2011/10/18 - 09:25
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101043(0.009-30MHz)	Polarity: Line
EUT: CDMA 1X Digital Mobile Phone	Power: 120V/60Hz
Note: Mode 3	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.166	44.503	34.905	-20.655	65.158	9.598	QP
2		0.166	25.038	15.440	-30.120	55.158	9.598	AV
3		0.282	32.443	22.763	-28.314	60.757	9.680	QP
4		0.282	23.434	13.754	-27.323	50.757	9.680	AV
5		0.390	20.415	10.735	-37.648	58.064	9.680	QP
6		0.390	10.782	1.102	-37.282	48.064	9.680	AV
7		2.006	25.049	15.359	-30.951	56.000	9.690	QP
8		2.006	15.230	5.540	-30.770	46.000	9.690	AV
9		3.842	25.753	16.044	-30.247	56.000	9.708	QP
10		3.842	15.461	5.753	-30.539	46.000	9.708	AV
11		10.394	24.764	15.004	-35.236	60.000	9.760	QP
12		10.394	18.992	9.232	-31.008	50.000	9.760	AV

Engineer: Sunny	
Site: TR1	Time: 2011/10/18 - 09:28
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101043(0.009-30MHz)	Polarity: Neutral
EUT: CDMA 1X Digital Mobile Phone	Power: 120V/60Hz
Note: Mode 3	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.151	47.341	37.599	-18.604	65.945	9.742	QP
2		0.151	27.516	17.774	-28.429	55.945	9.742	AV
3		0.258	31.444	21.792	-30.052	61.496	9.652	QP
4		0.258	15.569	5.917	-35.927	51.496	9.652	AV
5		0.270	35.104	25.452	-26.014	61.118	9.652	QP
6		0.270	21.459	11.807	-29.659	51.118	9.652	AV
7		0.322	32.300	22.646	-27.355	59.655	9.654	QP
8		0.322	16.803	7.149	-32.852	49.655	9.654	AV
9		3.590	26.598	16.892	-29.402	56.000	9.706	QP
10		3.590	14.496	4.790	-31.504	46.000	9.706	AV
11		3.774	28.246	18.538	-27.754	56.000	9.708	QP
12		3.774	16.697	6.989	-29.303	46.000	9.708	AV

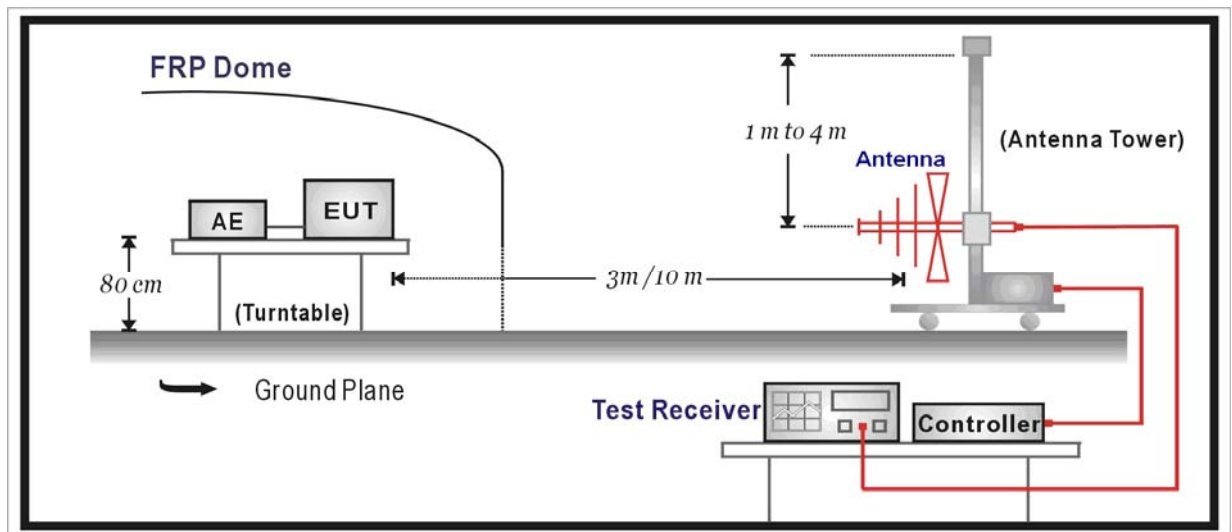
4. Radiated Emission

4.1. Test Specification

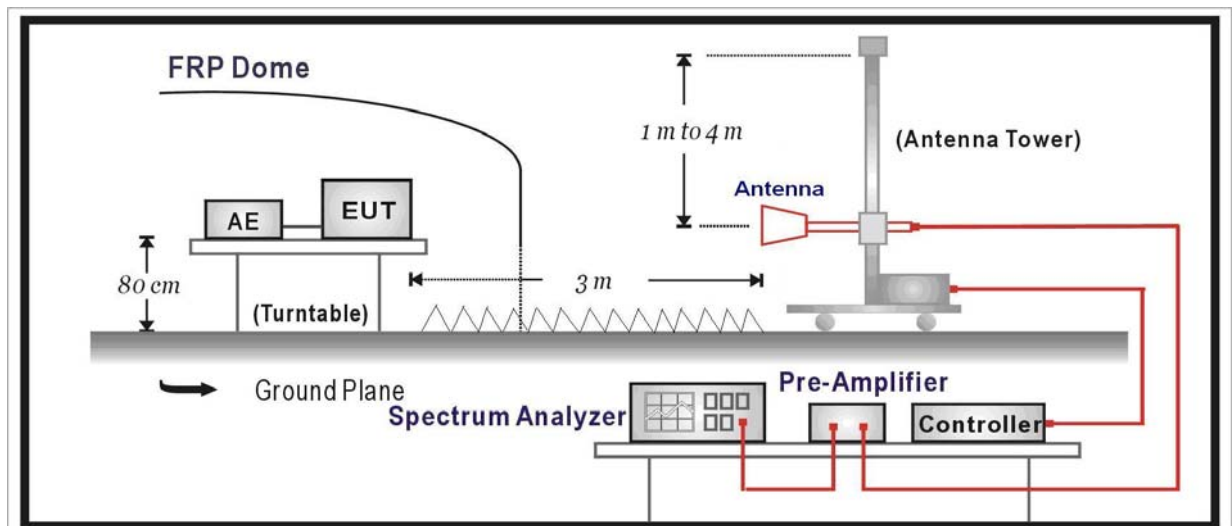
According to EMC Standard: FCC Part 15 Subpart B Class B, ANSI C63.4

4.2. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

FCC Part 15 Subpart B Paragraph 15.109		
Frequency (MHz)	Distance (m)	Level (dBuV/m)
30 - 88	3	40
88 - 216	3	43.5
216 - 960	3	46
Above 960	3	54

Note 1: The lower limit shall apply at the transition frequency.

Note 2: Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Note 3: E field strength (dBuV/m) = 20 log E field strength (uV/m)

4.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level.

The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

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 manipulated on radiated measurement.

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 - 108	1000
108 - 500	2000

500 - 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

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

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

For class A, the measurement distance between the EUT and antenna is 3 meters for under 1GHz and above 1GHz.

For class B, the measurement distance between the EUT and antenna is 3 meters for under 1GHz and 3 meters for above 1GHz.

The bandwidth below 1GHz setting on the field strength meter (R&S Test Receiver ESCI) is 120 kHz and above 1GHz is 1MHz.

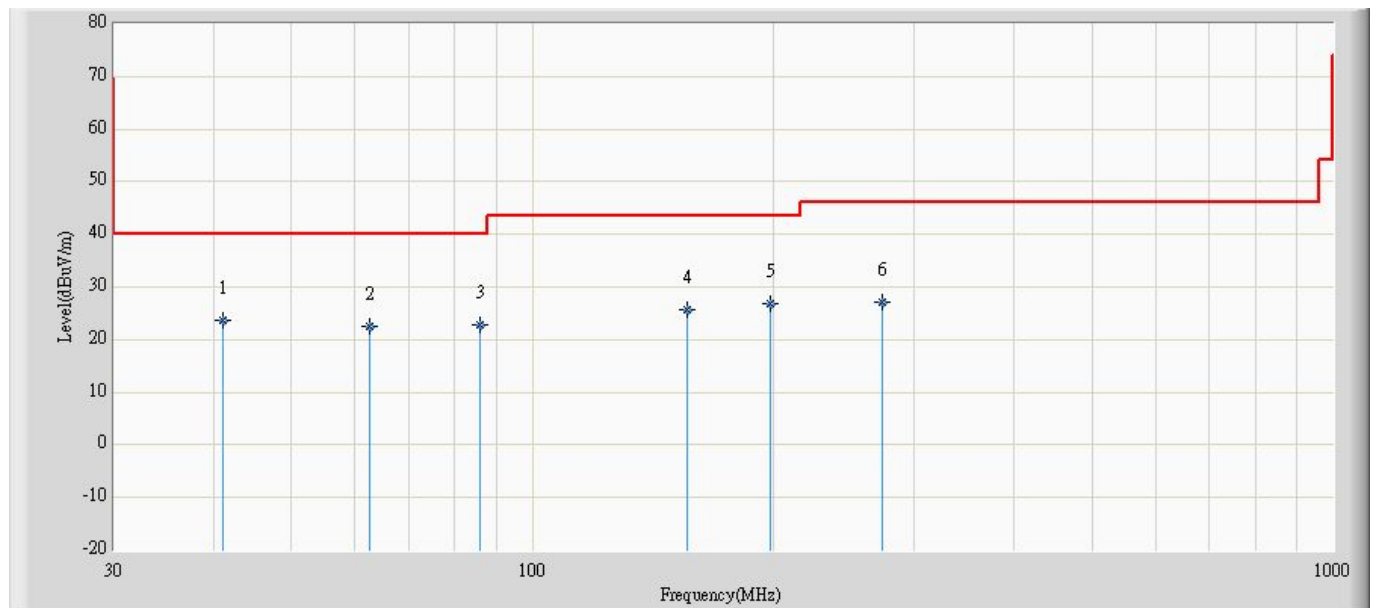
Note: When measurement above 1GHz, the horn antenna will bend down a little (as horn antenna have the narrow beamwidth) in order to find the maximum emission of EUT.

4.5. Deviation from Test Standard

No deviation.

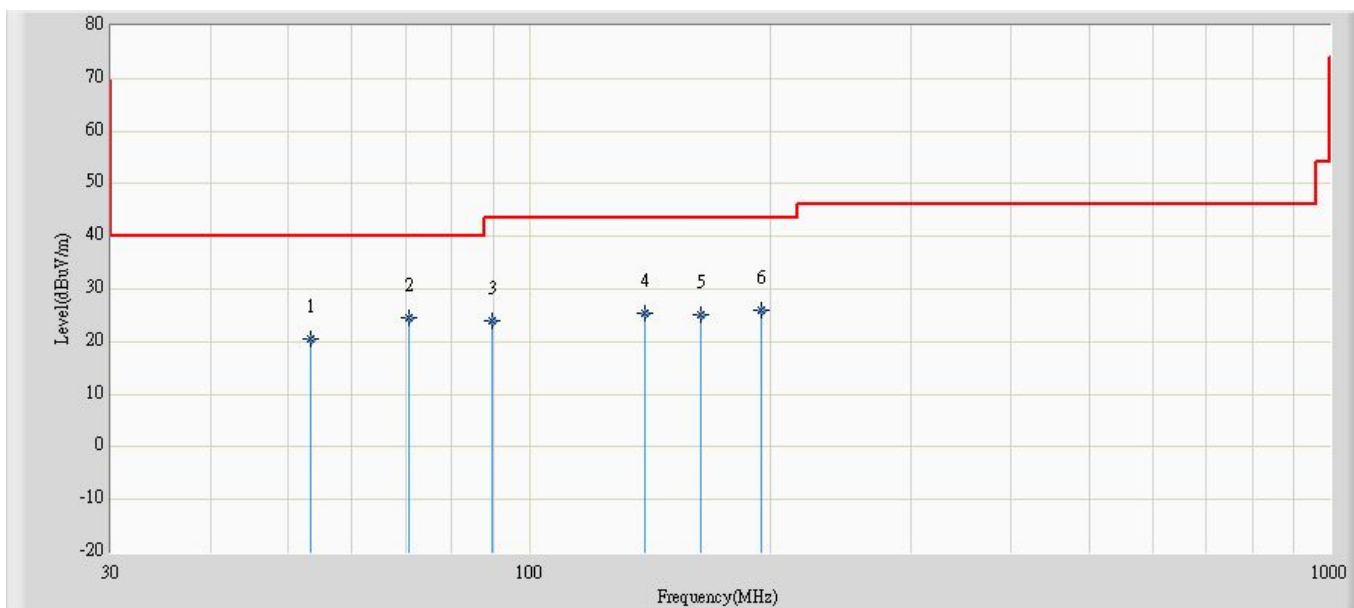
4.6. Test Result

Engineer: Sunny	
Site: AC2	Time: 2011/10/19 - 13:57
Limit: FCC_Part15.109_RE(3m)	Margin: 0
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Horizontal
EUT: CDMA 1X Digital Mobile Phone	Power: AC 120V/60Hz
Note: Mode 1	



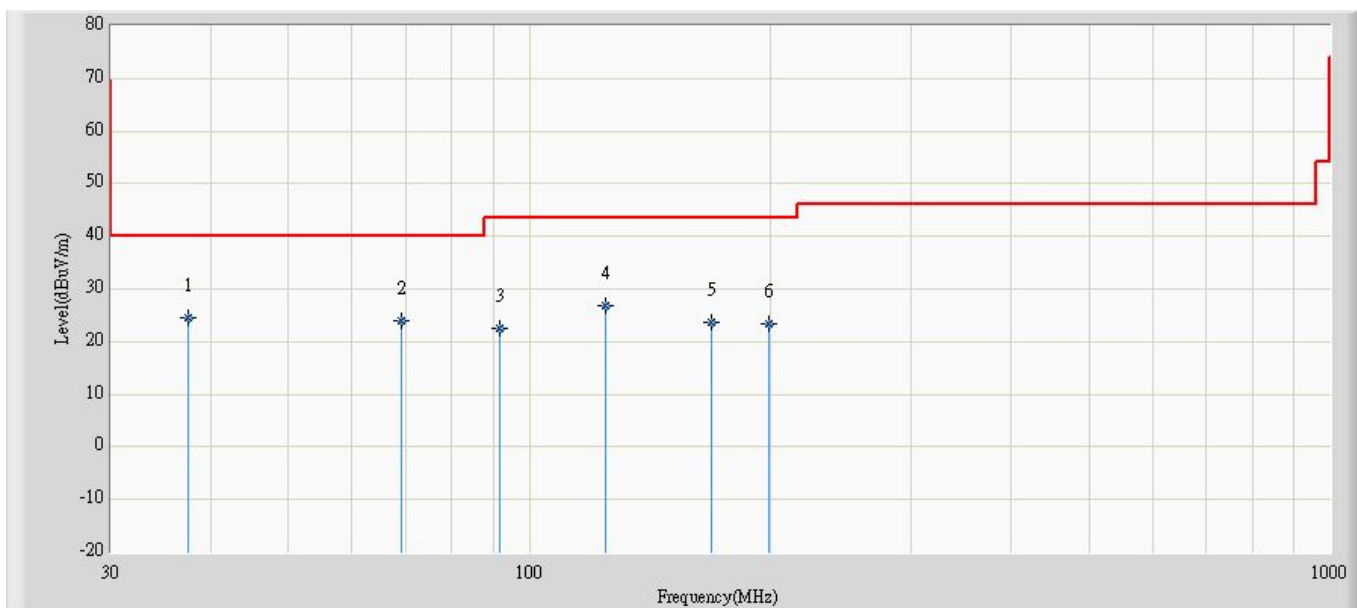
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	41.034	23.739	5.434	-16.261	40.000	18.305	QP
2		62.616	22.539	10.623	-17.461	40.000	11.916	QP
3		86.018	22.802	8.314	-17.198	40.000	14.488	QP
4		155.736	25.617	8.987	-17.883	43.500	16.631	QP
5		198.053	26.716	10.554	-16.784	43.500	16.162	QP
6		273.228	27.007	7.054	-18.993	46.000	19.953	QP

Engineer: Sunny	
Site: AC2	Time: 2011/10/19 - 13:57
Limit: FCC_Part15.109_RE(3m)	Margin: 0
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Vertical
EUT: CDMA 1X Digital Mobile Phone	Power: AC 120V/60Hz
Note: Mode 1	



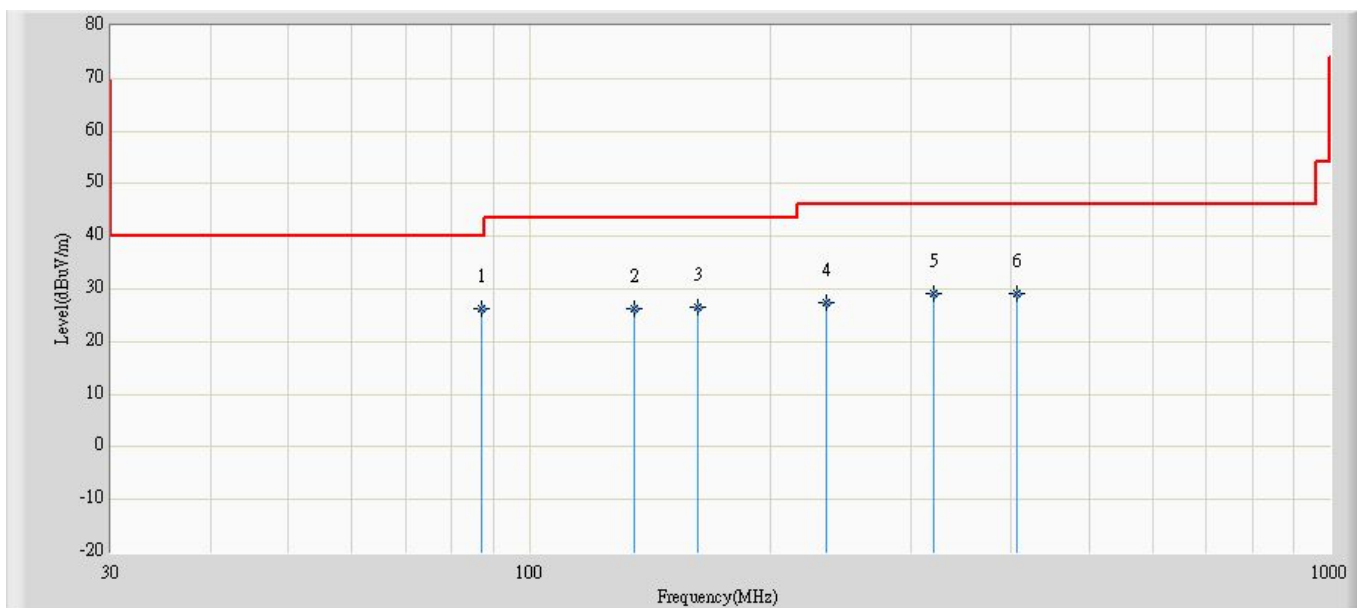
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		53.280	20.503	7.433	-19.497	40.000	13.070	QP
2	*	70.740	24.459	12.143	-15.541	40.000	12.316	QP
3		89.776	23.880	8.556	-19.620	43.500	15.325	QP
4		139.489	25.318	7.427	-18.182	43.500	17.891	QP
5		163.375	25.153	8.765	-18.347	43.500	16.388	QP
6		194.536	25.861	9.680	-17.639	43.500	16.181	QP

Engineer: Sunny	
Site: AC2	Time: 2011/10/19 - 13:57
Limit: FCC_Part15.109_RE(3m)	Margin: 0
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Horizontal
EUT: CDMA 1X Digital Mobile Phone	Power: AC 120V/60Hz
Note: Mode 2	



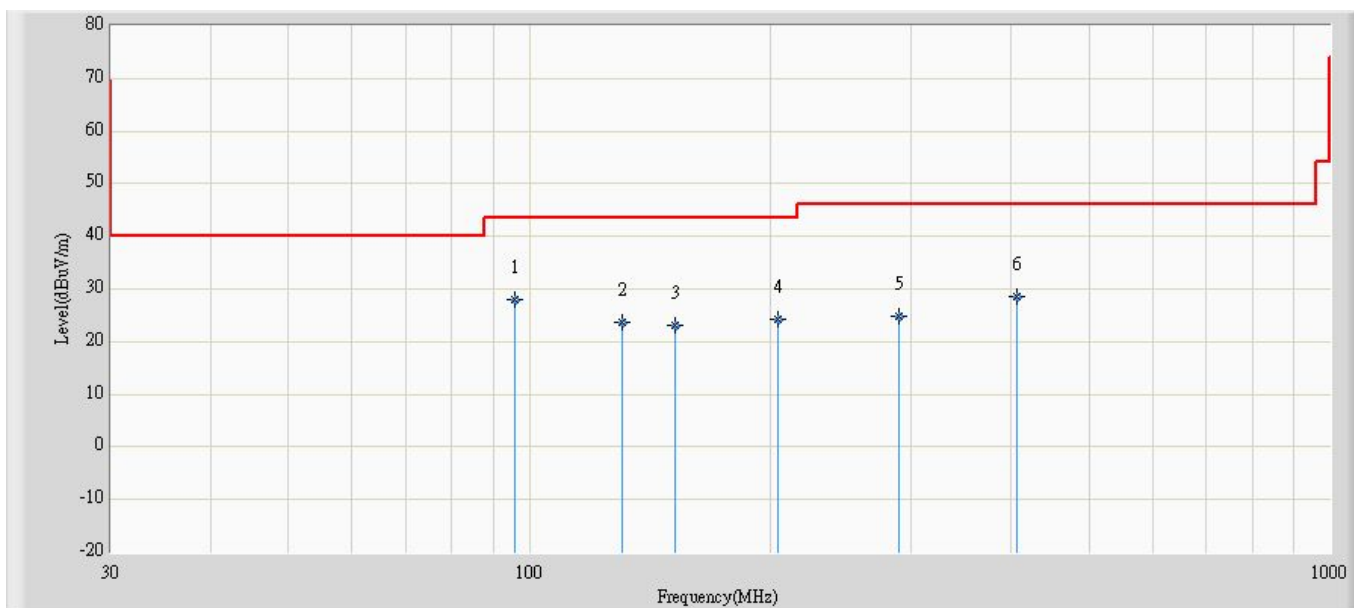
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	37.396	24.549	4.241	-15.451	40.000	20.307	QP
2		69.164	24.094	11.907	-15.906	40.000	12.187	QP
3		91.716	22.558	6.760	-20.942	43.500	15.799	QP
4		124.332	26.849	8.247	-16.651	43.500	18.602	QP
5		168.467	23.735	7.627	-19.765	43.500	16.107	QP
6		199.144	23.449	7.313	-20.051	43.500	16.136	QP

Engineer: Sunny	
Site: AC2	Time: 2011/10/19 - 13:57
Limit: FCC_Part15.109_RE(3m)	Margin: 0
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Vertical
EUT: CDMA 1X Digital Mobile Phone	Power: AC 120V/60Hz
Note: Mode 2	



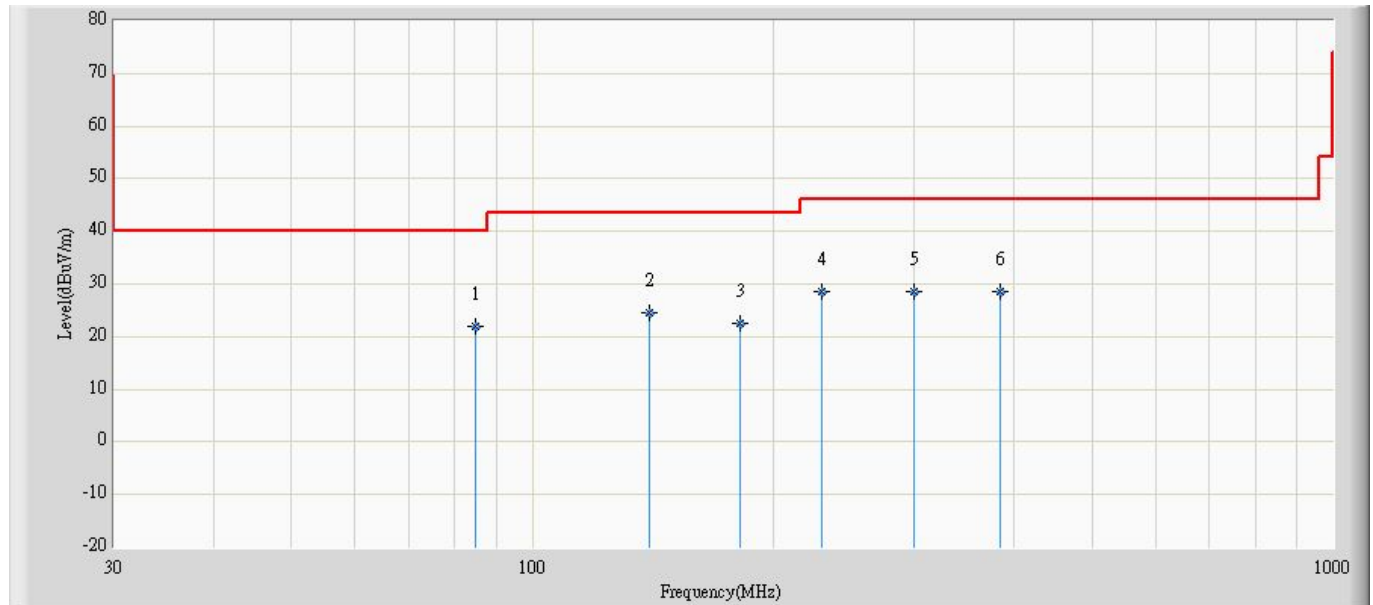
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	87.109	26.354	11.610	-13.646	40.000	14.743	QP
2		135.003	26.212	7.953	-17.288	43.500	18.259	QP
3		162.284	26.422	10.001	-17.078	43.500	16.421	QP
4		234.913	27.446	9.672	-18.554	46.000	17.774	QP
5		319.181	29.083	7.778	-16.917	46.000	21.305	QP
6		406.481	29.114	4.996	-16.886	46.000	24.118	QP

Engineer: Sunny	
Site: AC2	Time: 2011/10/19 - 13:57
Limit: FCC_Part15.109_RE(3m)	Margin: 0
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Horizontal
EUT: CDMA 1X Digital Mobile Phone	Power: AC 120V/60Hz
Note: Mode 3	



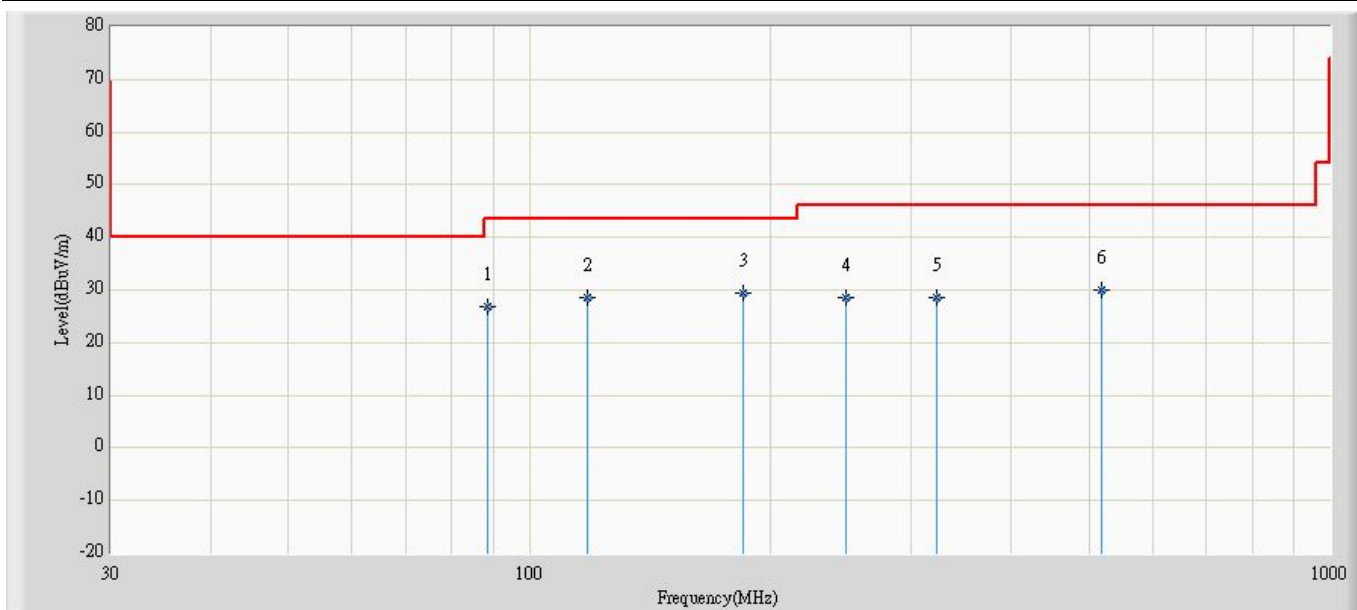
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	95.960	28.014	11.329	-15.486	43.500	16.685	QP
2		130.274	23.702	5.167	-19.798	43.500	18.535	QP
3		151.977	23.038	6.295	-20.462	43.500	16.743	QP
4		204.357	24.267	8.123	-19.233	43.500	16.144	QP
5		289.960	24.786	4.411	-21.214	46.000	20.375	QP
6		405.754	28.501	4.409	-17.499	46.000	24.092	QP

Engineer: Sunny	
Site: AC2	Time: 2011/10/19 - 13:58
Limit: FCC_Part15.109_RE(3m)	Margin: 0
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Vertical
EUT: CDMA 1X Digital Mobile Phone	Power: AC 120V/60Hz
Note: Mode 3	



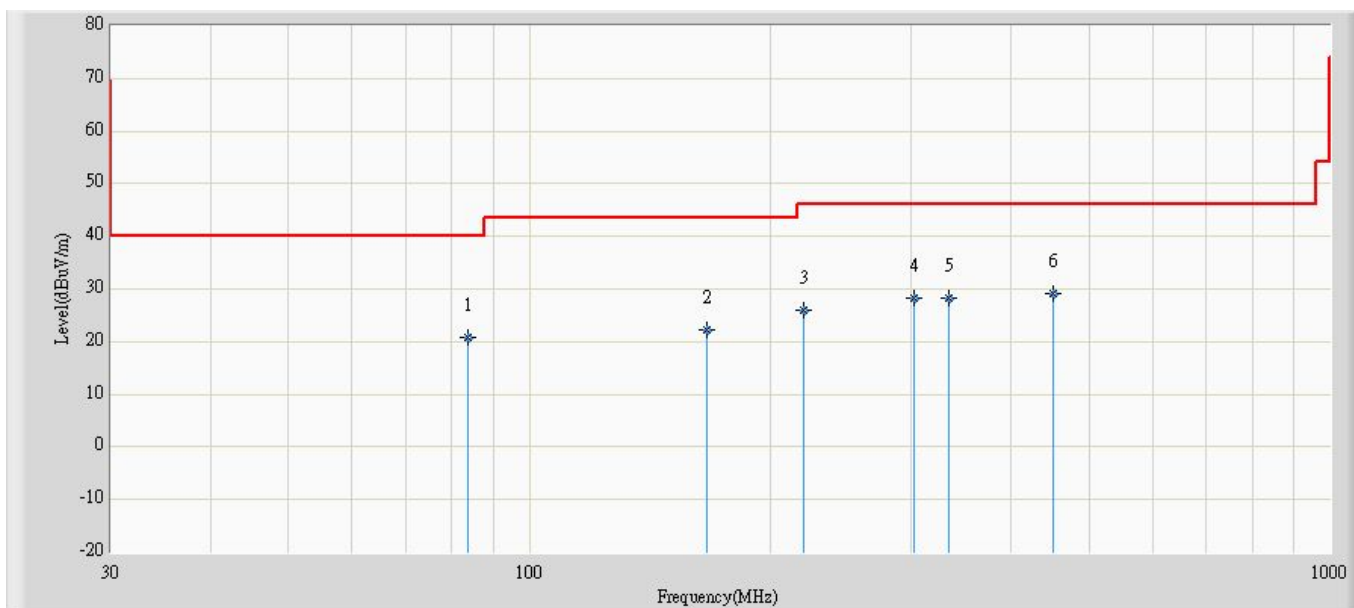
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		84.684	22.063	7.910	-17.937	40.000	14.153	QP
2		139.852	24.558	6.700	-18.942	43.500	17.857	QP
3		181.926	22.656	7.322	-20.844	43.500	15.334	QP
4	*	229.577	28.609	11.634	-17.391	46.000	16.975	QP
5		299.054	28.478	7.827	-17.522	46.000	20.651	QP
6		384.777	28.554	5.302	-17.446	46.000	23.251	QP

Engineer: Sunny	
Site: AC2	Time: 2011/10/19 - 09:23
Limit: FCC_Part15.109_RE(3m)	Margin: 0
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Horizontal
EUT: CDMA 1X Digital Mobile Phone	Power: By Battery
Note: Mode 4	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		88.685	26.778	11.686	-16.722	43.500	15.092	QP
2		117.906	28.498	10.093	-15.002	43.500	18.405	QP
3	*	184.715	29.474	14.137	-14.026	43.500	15.337	QP
4		248.492	28.579	9.224	-17.421	46.000	19.355	QP
5		322.212	28.512	7.122	-17.488	46.000	21.390	QP
6		519.244	30.112	4.640	-15.888	46.000	25.472	QP

Engineer: Sunny	
Site: AC2	Time: 2011/10/19 - 09:23
Limit: FCC_Part15.109_RE(3m)	Margin: 0
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Vertical
EUT: CDMA 1X Digital Mobile Phone	Power: By Battery
Note: Mode 4	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		83.835	20.939	6.968	-19.061	40.000	13.971	QP
2		166.891	22.134	5.925	-21.366	43.500	16.210	QP
3		219.756	25.911	10.126	-20.089	46.000	15.784	QP
4		302.085	28.215	7.479	-17.785	46.000	20.736	QP
5		333.367	28.276	6.625	-17.724	46.000	21.651	QP
6	*	450.737	29.026	4.729	-16.974	46.000	24.296	QP