Report No: CCIS12110027903

FCC REPORT

Applicant:	Azumi S.A
Address of Applicant:	Avenida Aquilino de la Guardia con Calle 47, PH Ocean Plaza, Piso 16 of. 16-01, Marbella, Ciudad de Panama City, Rep. Panama

Equipment Under Test (EUT)

Product Name:	Mobile Phone
Model No.:	L2
FCC ID:	QRP-AZUMIL2
Applicable standards:	FCC CFR Title 47 Part 15 Subpart B: 2011
Date of sample receipt:	29 Nov., 2012
Date of Test:	01 Dec., to 06 Dec., 2012
Date of report issued:	07 Dec., 2012
Test Result :	Pass *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Bruce Zhang
Laboratory Manager

2 Version

Version No.	Date	Description
00	07 Dec., 2012	*Original*

Prepared By:  ***Date:*** 07 Dec., 2012

Report Clerk

Check By:  ***Date:*** 07 Dec., 2012

Project Engineer

3 Contents

Page

4 Test Summary

Test Item	Section in CFR 47	Result
Conducted Emission	Part15.107	Pass
Readiated Emissions	Part15.109	Pass

Pass: The EUT complies with the essential requirements in the standard.

5 General Information

5.1 Client Information

Applicant:	Azumi S.A
Address of Applicant:	Avenida Aquilino de la Guardia con Calle 47, PH Ocean Plaza, Piso 16 of. 16-01, Marbella, Ciudad de Panama City, Rep. Panama
Manufacturer:	Azumi S.A
Address of Manufacturer:	Avenida Aquilino de la Guardia con Calle 47, PH Ocean Plaza, Piso 16 of. 16-01, Marbella, Ciudad de Panama City, Rep. Panama
Factory:	SHENZHEN CHINO-E ELECTRONIC INDUSTRY CO.,LTD.
Address of Factory:	chino-E Industrial Park,longhua ,Baoan Area,shenzhen

5.2 General Description of E.U.T.

Product Name:	Mobile Phone
Model No.:	L2
AC adapter:	Input:100-240V AC,50/60Hz 0.1A Output:5V DC MAX 400mA
Power supply:	Rechargeable Li-ion Battery DC3.7V/500mAh

5.3 Operating Modes

Operating mode	Detail description
Downloading mode	Keep the EUT in Downloading mode(Worst case)
Camera mode	Keep the EUT in Camera mode
Play mode	Keep the EUT in Play mode
Recording mode	Keep the EUT in Recording mode
FM mode	Keep the EUT in FM reciever mode
All modes have been tested, But the worst case mode data has been shown in this report.	

5.4 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
DELL	PC	OPTIPLEX745	N/A	DoC
DELL	MONITOR	E178FPC	N/A	DoC
DELL	KEYBOARD	SK-8115	N/A	DoC
DELL	MOUSE	MOC5UO	N/A	DoC
HP	Printer	CB495A	05257893	DoC

5.5 Deviation from Standards

None

5.6 Abnormalities from Standard Conditions

None.

5.7 Other Information Requested by the Customer

None.

5.8 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

● **FCC —Registration No.:** 817957

China Certification & Inspection Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in out files. Registration 817957, February 27, 2012

● **Industry Canada (IC)**

The 3m Semi-anechoic chamber of China Certification & Inspection Services Co., Ltd. Has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

5.9 Test Location

All tests were performed at:

China Certification & Inspection Services Co., Ltd.
Address: 1st Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen, China
Tel: 0755-23118282
Fax: 0755-23116366

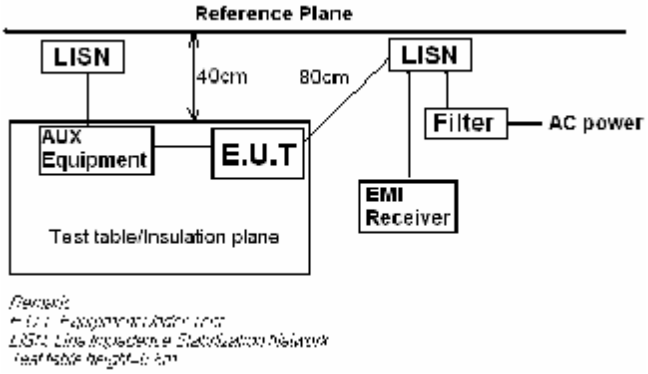
6 Test Instruments list

Radiated Emission:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (dd-mm-yy)**	**Cal.Due date (dd-mm-yy)**
1	3m Semi- Anechoic Chamber	SAEMC	9(L)*6(W)* 6(H)	CCIS0001	June 09 2012	June 08 2013
2	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	May 25 2012	May. 24 2013
3	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	CCIS0005	June 04 2012	June 03 2013
4	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	CCIS0006	May 30 2012	May. 29 2013
5	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
6	Coaxial Cable	CCIS	N/A	CCIS0016	Apr. 01 2012	Mar. 31 2013
7	Coaxial Cable	CCIS	N/A	CCIS0017	Apr. 01 2012	Mar. 31 2013
8	Coaxial cable	CCIS	N/A	CCIS0018	Apr. 01 2012	Mar. 31 2013
9	Coaxial Cable	CCIS	N/A	CCIS0019	Apr. 01 2012	Mar. 31 2013
10	Coaxial Cable	CCIS	N/A	CCIS0087	Apr. 01 2012	Mar. 31 2013
11	Amplifier(10KHz-1.3GHz)	HP	8447D	CCIS0003	Apr. 01 2012	Mar. 31 2013
12	Amplifier(1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	June 09 2012	June 08 2013
13	Spectrum analyzer	Rohde & Schwarz	FSP	CCIS0023	May 29 2012	May 28 2013
14	Printer	Hp	HP LaserJet P1007	N/A	N/A	N/A
15	Positioning Controller	UC	UC3000	CCIS0015	N/A	N/A

Conducted Emission:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (dd-mm-yy)**	**Cal.Due date (dd-mm-yy)**
1	Shielding Room	ZhongShuo Electron	11.0(L)x4.0(W)x3.0(H)	CCIS0061	June 09 2012	June 08 2013
2	EMI Test Receiver	Rohde & Schwarz	ESPI	CCIS0022	Apr.01 2012	Mar. 31 2013
3	LISN	CHASE	MN2050D	CCIS0074	Apr. 01 2012	Mar. 31 2013
4	Coaxial Cable	CCIS	N/A	CCIS0086	Apr. 01 2012	Mar. 31 2013

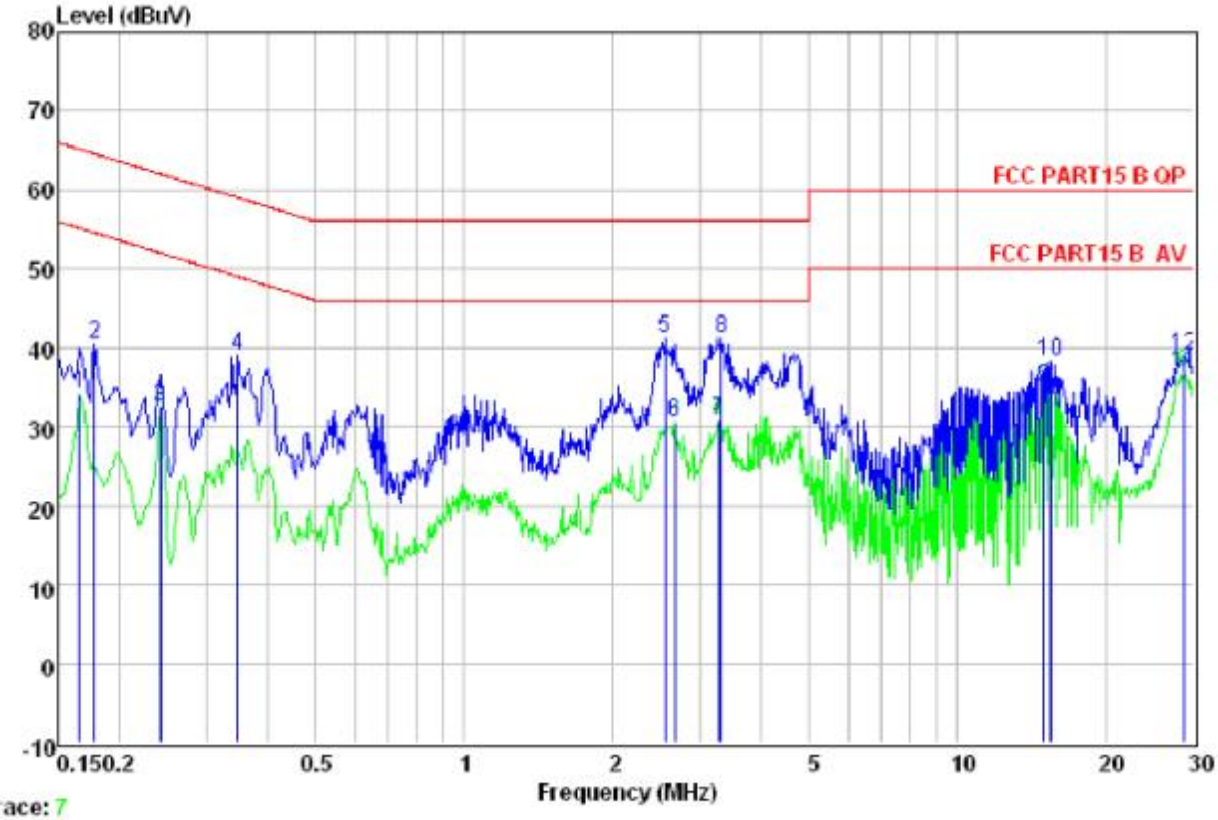
7 Test results and Measurement Data

7.1 Conducted Emissions

Test Requirement:	FCC Part15 B Section 15.107
Test Method:	ANSI C63.4:2003
Test Frequency Range:	150kHz to 30MHz
Class / Severity:	Class B
Receiver setup:	RBW=9kHz, VBW=30kHz
Limit:	Frequency range (MHz) / Limit (dBμV): Quasi-peak / Average 0.15-0.5: 66 to 56* / 56 to 46* 0.5-5: 56 / 46 0.5-30: 60 / 50
Test setup:	
Test procedure	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs). 3. 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 according to ANSI C63.4: 2003 on conducted measurement.
Test environment:	Temp.: 23 °C / Humid.: 56% / Press.: 1 01Kpa
Measurement Record:	Uncertainty: 3.28dB
Test Instruments:	Refer to section 6 for details
Test mode:	Pre-scan all test mode in the section 5.3, and found the bleow mode which it is worse case mode.
Test results:	Pass

Measurement data:

Line:

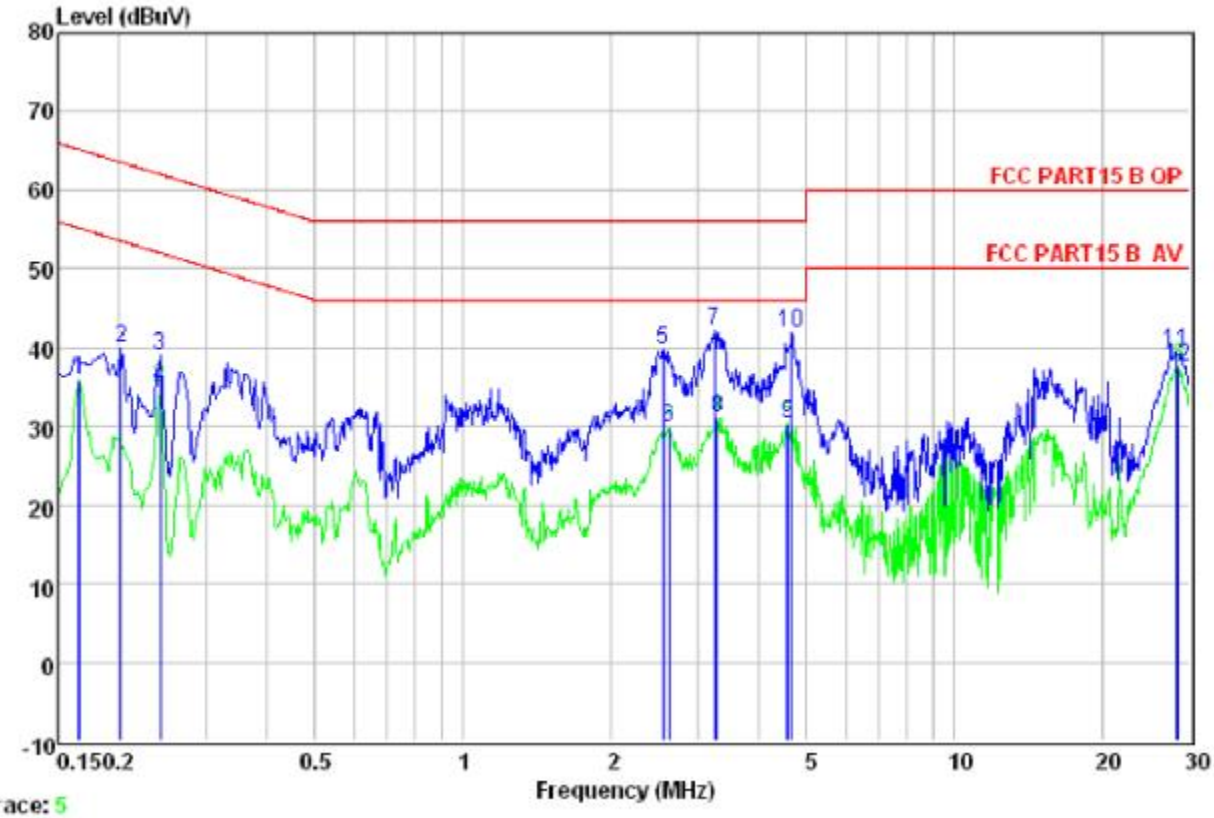


Trace: 7

Site :
Condition : FCC PART15 B QP LISN LINE
Job. no : 279RF
EUT : Mobile phone
Model : L2
Test Mode : Downloading mode
Power Rating : AC 120V/60Hz
Environment : Temp: 23 ℃ Huni:56% Atmos:101KPa
Test Engineer: Winner

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.166	23.21	10.24	0.78	34.23	55.16	-20.93	Average
2	0.178	29.38	10.23	0.77	40.38	64.59	-24.21	QP
3	0.242	21.56	10.23	0.75	32.54	52.04	-19.50	Average
4	0.346	27.89	10.27	0.73	38.89	59.05	-20.16	QP
5	2.554	29.88	10.28	0.94	41.10	56.00	-14.90	QP
6	2.664	19.43	10.28	0.94	30.65	46.00	-15.35	Average
7	3.276	19.51	10.29	0.90	30.70	46.00	-15.30	Average
8	3.310	30.03	10.29	0.90	41.22	56.00	-14.78	QP
9	14.907	23.73	10.23	0.90	34.86	50.00	-15.14	Average
10	15.388	27.18	10.24	0.90	38.32	60.00	-21.68	QP
11	28.603	25.17	10.79	0.87	36.83	50.00	-13.17	Average
12	28.755	27.30	10.81	0.87	38.98	60.00	-21.02	QP

Neutral:



Trace: 5

Site :
Condition : FCC PART15 B QP LISN NEUTRAL
Job. no : 279RF
EUT : Mobile phone
Model : L2
Test Mode : Downloading mode
Power Rating : AC 120V/60Hz
Environment : Temp: 23 ℃ Huni:56% Atmos:101KPa
Test Engineer: Winner

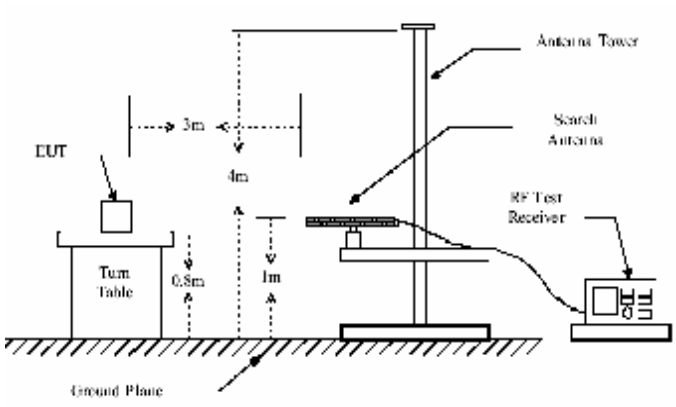
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.166	24.71	10.26	0.78	35.75	55.16	-19.41	Average
2	0.202	28.94	10.23	0.76	39.93	63.54	-23.61	QP
3	0.242	27.99	10.23	0.75	38.97	62.04	-23.07	QP
4	0.242	24.01	10.23	0.75	34.99	52.04	-17.05	Average
5	2.554	28.40	10.27	0.94	39.61	56.00	-16.39	QP
6	2.622	18.65	10.27	0.94	29.86	46.00	-16.14	Average
7	3.241	30.88	10.28	0.90	42.06	56.00	-13.94	QP
8	3.293	19.77	10.28	0.90	30.95	46.00	-15.05	Average
9	4.574	19.05	10.28	0.88	30.21	46.00	-15.79	Average
10	4.647	30.81	10.27	0.87	41.95	56.00	-14.05	QP
11	28.152	27.75	10.75	0.87	39.37	60.00	-20.63	QP
12	28.452	25.79	10.77	0.87	37.43	50.00	-12.57	Average

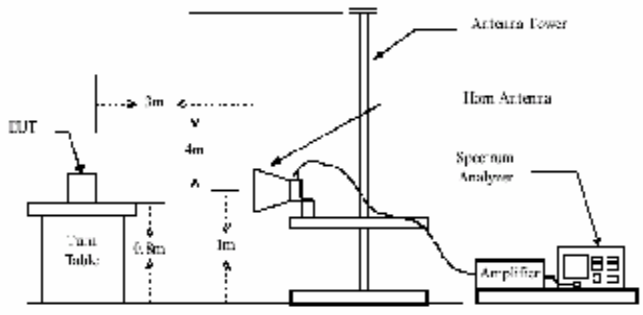
Notes:

1. The following Quasi-Peak and Average measurements were performed on the EUT

2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

7.2 Radiated Emission

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 B Section 15.109</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.4:2003</td></tr>
<tr><td>Test Frequency Range:</td><td>30MHz to 6000MHz</td></tr>
<tr><td>Test site:</td><td>Measurement Distance: 3m (Semi-Anechoic Chamber)</td></tr>
<tr><td>Receiver setup:</td><td>
<table>
<tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr>
<tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>100KHz</td><td>300KHz</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr>
<tr><td>Peak</td><td>1MHz</td><td>10Hz</td><td>Average Value</td></tr>
</table>
</td></tr>
<tr><td>Limit:</td><td>
<table>
<tr><td>Frequency</td><td>Limit (dBuV/m @3m)</td><td>Remark</td></tr>
<tr><td>30MHz-88MHz</td><td>40.0</td><td>Quasi-peak Value</td></tr>
<tr><td>88MHz-216MHz</td><td>43.5</td><td>Quasi-peak Value</td></tr>
<tr><td>216MHz-960MHz</td><td>46.0</td><td>Quasi-peak Value</td></tr>
<tr><td>960MHz-1GHz</td><td>54.0</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>54.0</td><td>Average Value</td></tr>
<tr><td>74.0</td><td>Peak Value</td></tr>
</table>
</td></tr>
<tr><td>Test setup:</td><td>Below 1GHz
 

Above 1GHz
 

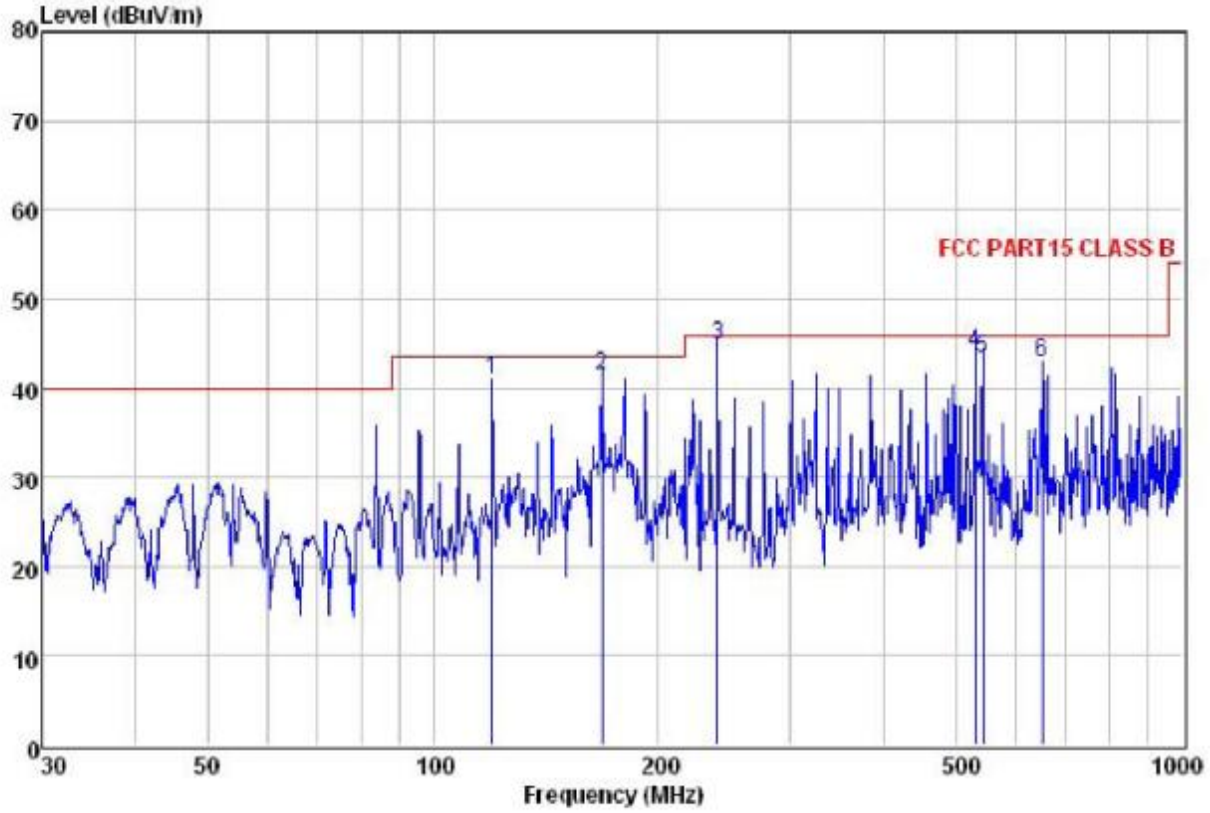
</td></tr>
</table>

Test Procedure:	1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.					
Test environment:	Temp.:	25 °C	Humid.:	55%	Press.:	1 01Kpa
Measurement Record:	Uncertainty: 4.88dB					
Test Instruments:	Refer to section 6 for details					
Test mode:	Pre-scan all test mode in the section 5.3, and found the bleow mode which it is worse case mode.					
Test results:	Passed					

Measurement Data

Below 1GHz

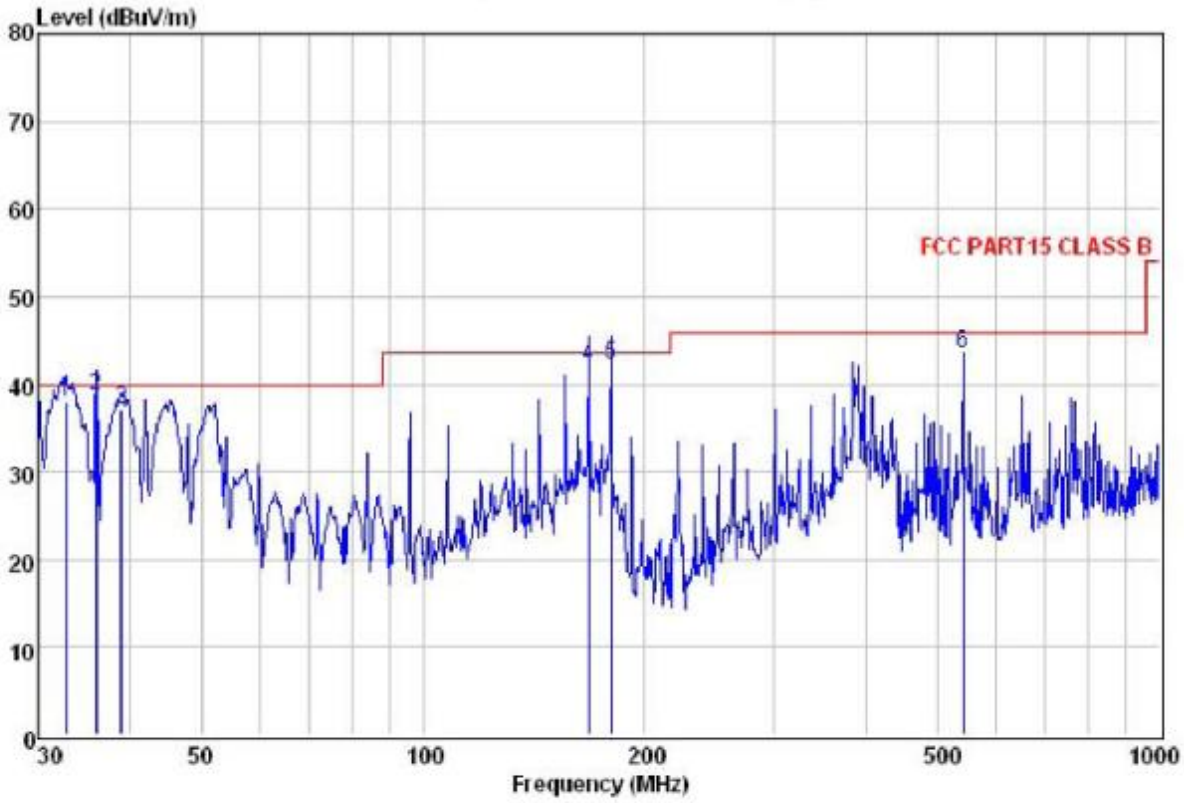
Horizontal:



Site : 3m chamber
Condition : FCC PART15 CLASS B 3m VULB9163(2012.4.1) HORIZONTAL
Job No. : 279RF
EUT : Mobile phone
Model : L2
Test mode : Downloading mode
Power Rating : AC 120V/60Hz
Environment : Temp:25'C Huni:55% Atmos:101Kpa
Test Engineer: Winner

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	119.856	58.01	10.48	2.17	29.70	40.96	43.50	-2.54	QP
2	167.824	58.91	8.90	2.64	29.01	41.44	43.50	-2.06	QP
3	239.987	59.46	12.09	2.82	29.64	44.73	46.00	-1.27	QP
4	528.246	53.55	17.15	3.77	30.53	43.94	46.00	-2.06	QP
5	541.373	52.67	17.41	3.84	30.54	43.38	46.00	-2.62	QP
6	649.660	51.08	18.64	3.86	30.58	43.00	46.00	-3.00	QP

Vertical:

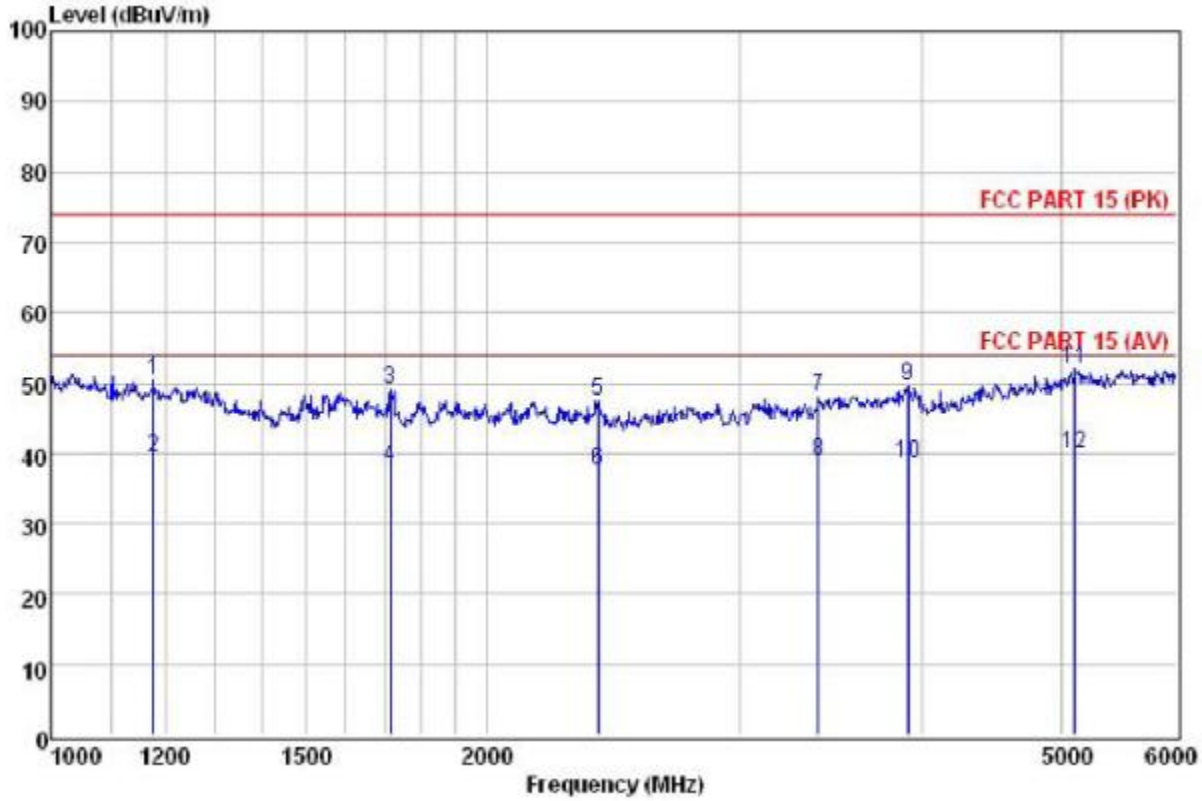


Site : 3m chamber
Condition : FCC PART15 CLASS B 3m VULB9163(2012.4.1) VERTICAL
Job No. : 279RF
EUT : Mobile phone
Model : L2
Test mode : Downloading mode
Power Rating : AC 120V/60Hz
Environment : Temp:25℃ Huni:55% Atmos:101Kpa
Test Engineer: Winner

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	32.749	51.29	12.31	0.91	26.57	37.94	40.00	-2.06	QP
2	36.001	51.90	12.58	1.07	26.89	38.66	40.00	-1.34	QP
3	38.888	49.80	13.30	1.18	27.16	37.12	40.00	-2.88	QP
4	167.824	59.59	8.90	2.64	29.01	42.12	43.50	-1.38	QP
5	180.017	56.40	9.68	2.73	26.51	42.30	43.50	-1.20	QP
6	541.373	52.73	17.41	3.84	30.54	43.44	46.00	-2.56	QP

Above 1GHz

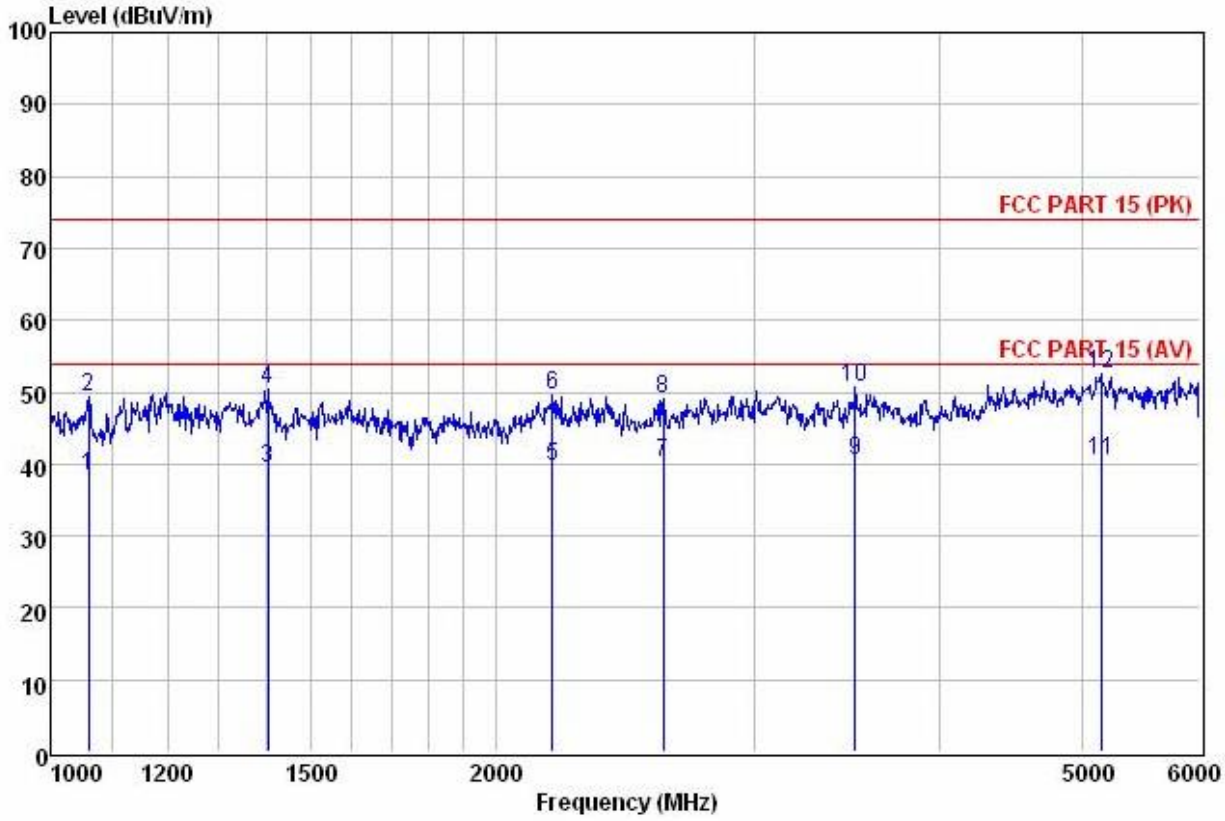
Horizontal:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(>1GHZ) HORIZONTAL
Job No. : 279RF
EUT : Mobile phone
Model : L2
Test mode : Downloading mode
Power Rating : AC 120V/60Hz
Environment : Temp:25°C Huni:55% Atmos:101Kpa
Test Engineer: Winner

	Freq	ReadAnterna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBm	dB/m	dB	dB	dBm/m	dBm/m	dB	
1	1177.096	41.46	24.75	2.57	18.48	50.30	74.00	-23.70	Peak
2	1177.096	30.46	24.75	2.57	18.48	39.30	54.00	-14.70	Average
3	1717.915	48.87	25.01	3.24	28.11	49.01	74.00	-24.99	Peak
4	1717.915	37.87	25.01	3.24	28.11	38.01	54.00	-15.99	Average
5	2388.809	46.25	27.58	3.81	30.10	47.54	74.00	-26.46	Peak
6	2388.809	36.25	27.58	3.81	30.10	37.54	54.00	-16.46	Average
7	3393.901	42.89	28.46	4.77	28.20	47.92	74.00	-26.08	Peak
8	3393.901	33.89	28.46	4.77	28.20	38.92	54.00	-15.08	Average
9	3909.967	41.56	29.77	5.23	26.86	49.70	74.00	-24.30	Peak
10	3909.967	30.56	29.77	5.23	26.86	38.70	54.00	-15.30	Average
11	5106.433	37.74	32.11	6.06	23.88	52.03	74.00	-21.97	Peak
12	5106.433	25.74	32.11	6.06	23.88	40.03	54.00	-13.97	Average

Vertical:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(>1GHZ) VERTICAL
Job No. : 279RF
EUT : Mobile phone
Model : L2
Test mode : Downloading mode
Power Rating : AC 120V/60Hz
Environment : Temp:25°C Huni:55% Atmos:101Kpa
Test Engineer: Winner

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBm	dB/m	dB	dB	dBm/m	dBm/m	dB	
1	1060.911	29.18	24.33	2.39	17.55	38.35	54.00	-15.65	Average
2	1060.911	40.18	24.33	2.39	17.55	49.35	74.00	-24.65	Peak
3	1403.042	32.71	25.40	2.88	21.66	39.33	54.00	-14.67	Average
4	1403.042	43.71	25.40	2.88	21.66	50.33	74.00	-23.67	Peak
5	2188.024	38.84	27.81	3.66	30.71	39.60	54.00	-14.40	Average
6	2188.024	48.84	27.81	3.66	30.71	49.60	74.00	-24.40	Peak
7	2598.691	38.91	27.80	3.96	30.58	40.09	54.00	-13.91	Average
8	2598.691	47.91	27.80	3.96	30.58	49.09	74.00	-24.91	Peak
9	3505.144	34.64	28.95	4.86	27.90	40.55	54.00	-13.45	Average
10	3505.144	44.64	28.95	4.86	27.90	50.55	74.00	-23.45	Peak
11	5143.163	26.27	32.08	6.08	23.87	40.56	54.00	-13.44	Average
12	5143.163	38.27	32.08	6.08	23.87	52.56	74.00	-21.44	Peak