Test Report FCC Part15 Subpart B

Product Name: eCare

Model No. : VL2000

Applicant: Micron Electronics LLC

Address: 601 North Congress Ave, Suite 439

Date of Receipt: 19/09/2011

Test Date : 19/09/2011~23/09/2011

Issued Date : 26/09/2011

Report No. : 119S032R-HP-US-P01V02

Report Version: V 1.0

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.

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Test Report Certification

Issued Date: 26/09/2011

Report No.: 119S032R-HP-US-P01V02

QuieTek

Product Name eCare

Micron Electronics LLC Applicant

Address 601 North Congress Ave, Suite 439

Manufacturer Shanghai SIMCom Ltd.

Address SIM Technology Building, No.633, Jinzhong Road,

Changning District, shanghai, P.R.china

VL2000 Model No.

EUT Voltage DC 3.6~4.2V **Brand Name** PRIME PT

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

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Documented By

(Senior Engineer: Robin Wu) Reviewed By

Marlinchen Approved By

(Engineering Supervisor: Marlin Chen)



Report No: 119S032R-HP-US-P01V02

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**

Nemko, DNV Norway

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:

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1. General Information

1.1. EUT Description

Product Name	eCare
Brand Name	PRIME PT
Model No.	VL2000
Working Voltage	DC 3.6-4.2V
GPS Function	Yes
Tx Frequency Range	GSM 850: 824MHz to 849MHz
	PCS 1900: 1850MHz to 1910MHz
Rx Frequency Range	GSM 850: 869MHz to 894MHz
	PCS 1900: 1930MHz to 1990MHz
Type of modulation	GMSK
Peak Antenna Gain	1.2dBi
AC Adapter	Brand Name: eCare
	M/N: SW013UF-0500200US
	Input: 100-240V~50/60Hz 0.4A
	Output: DC 5V, 2A



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:

Test Mode

Mode 1: Charging + GPS receive

Mode 2: software update by USB Port



1.3. Tested System Details

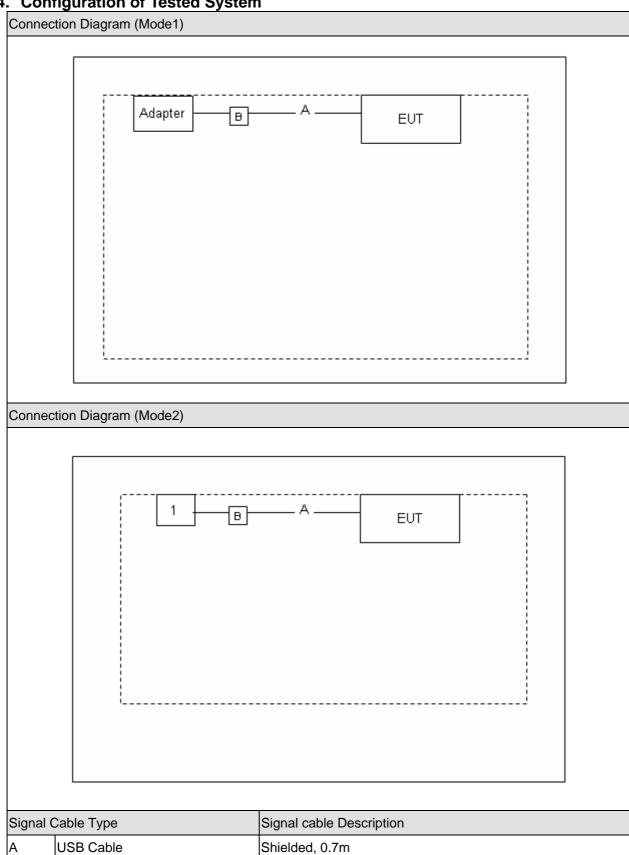
The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook	DELL	E520	N/A	Non-Shielded, 1.8m



1.4. Configuration of Tested System

Ferrite Core



N/A



1.5. EUT Exercise Software

1	Setup the EUT and simulators as shown on above.
2	Turn on the power of equipment.
3	(1), Making EUT working on "GPS receive". (2), Making EUT connected to the computer, and then working in the super terminal

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2. Technical Test

2.1. Summary of Test Result

\boxtimes	No deviations from the test standards
	Deviations from the test standards as below description:

Emission					
Performed Test Item	erformed Test Item Normative References		Deviation		
renomed restricti	Normalive References	Performed	Deviation		
Conducted Emission FCC CFR Title 47 Part 15 Subpart B: 2008 Class B		Yes	No		
	ANSI C63.4: 2009				
Radiated Emission	FCC CFR Title 47 Part 15 Subpart B: 2008 Class B	Yes	No		
	ANSI C63.4: 2009				

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2.2. List of Test Equipment

Conducted Emission / TR-1

Instrument	Manufacturer	Type No.	Serial No	Cali. 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	2012/09/22
Temperature/Humidity Meter	zhicheng	ZC1-2	TR1-TH	2012/01/14

Radiated Emission / AC-2

Instrument	Manufacturer	Type No.	Serial No.	Cali. Due Date
EMI Test Receiver	R&S	ESCI	100573	2012/04/23
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2011/10/18
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.	Cali. 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	2011/10/18
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

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2.3. Measurement Uncertainty

Conducted Emission

The measurement uncertainty is evaluated as \pm 2.26 dB.

Radiated Emission

The measurement uncertainty is evaluated as \pm 3.19 dB.

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2.4. Test Environment

Performed Item Items		Required	Actual
	Temperature (°C)	15-35	25
Conducted Emission	Humidity (%RH)	25-75	47
	Barometric pressure (mbar)	860-1060	950-1000
	Temperature (°C)	15-35	28
Radiated Emission	Humidity (%RH)	25-75	46
	Barometric pressure (mbar)	860-1060	950-1000

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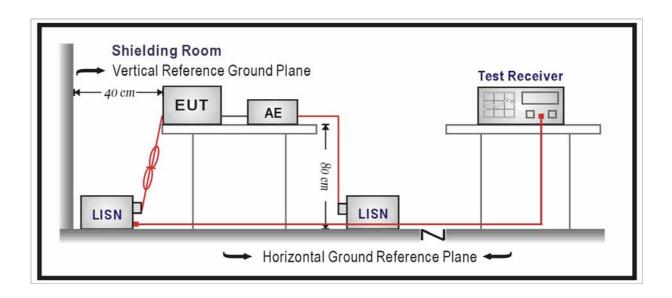


3. Conducted Emission

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

FCC Part 15 Subpart B Paragraph 15.107 Limits				
Frequency (MHz)	QP (dBuV)	AV (dBuV)		
0.15 - 0.50	66 - 56	56 - 46		
0.50 - 5.0	56	46		
5.0 - 30	60	50		

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

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

3.4. Test Procedure

The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the



EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)

Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

3.5. Deviation from Test Standard

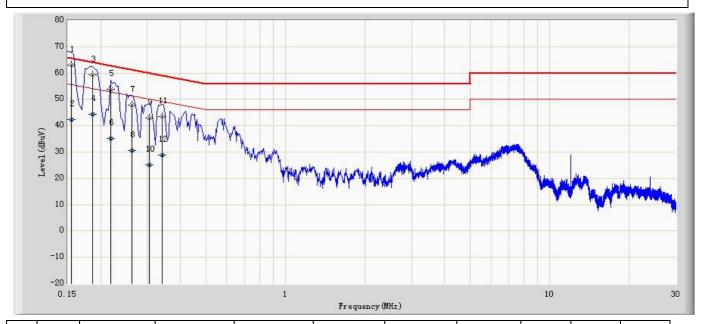
No deviation.

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3.6. Test Result

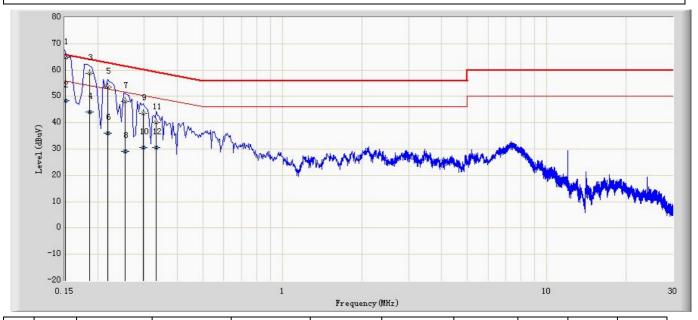
Engineer: Vilk		
Site: TR1	Time: 2011/09/22 - 19:22	
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0	
Probe: ENV216_101043(0.009-30MHz)	Polarity: Line	
EUT: VL2000	Power: AC 120V/60Hz	
Note: Mode 1		



No	Mark	Frequency	Measure	Reading	Over	Limit	Factor	Ant	Table	Туре
		(MHz)	Level	Level	Limit	(dBuV)	(dB)	Pos	Pos	
			(dBuV)	(dBuV)	(dB)			(cm)	(deg)	
1	*	0.155	63.152	53.568	-2.572	65.725	9.584	0	0	QP
2		0.155	42.497	32.912	-13.228	55.725	9.584	0	0	AV
3		0.186	59.447	49.801	-4.766	64.213	9.646	0	0	QP
4		0.186	44.277	34.631	-9.936	54.213	9.646	0	0	AV
5		0.218	53.934	44.255	-8.960	62.895	9.679	0	0	QP
6		0.218	35.223	25.544	-17.672	52.895	9.679	0	0	AV
7		0.262	47.909	38.229	-13.459	61.368	9.680	0	0	QP
8		0.262	30.624	20.944	-20.744	51.368	9.680	0	0	AV
9		0.306	42.858	33.178	-17.221	60.078	9.680	0	0	QP
10		0.306	25.080	15.400	-24.998	50.078	9.680	0	0	AV
11		0.342	43.522	33.842	-15.632	59.155	9.680	0	0	QP
12		0.342	28.929	19.249	-20.225	49.155	9.680	0	0	AV



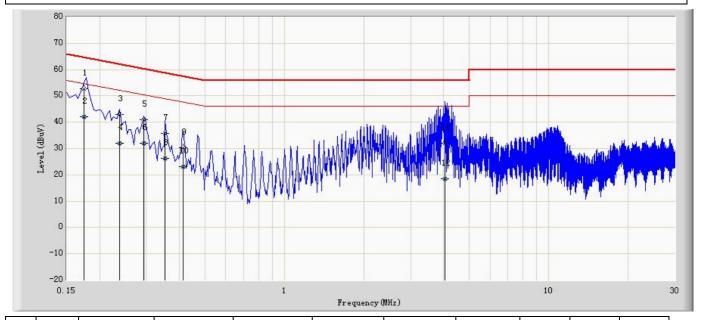
Engineer: Vilk					
Site: TR1	Time: 2011/09/22 - 19:30				
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0				
Probe: ENV216_101043(0.009-30MHz)	Polarity: Neutral				
EUT: VL2000	Power: Power: AC 120V/60Hz				
Note: Mode 1					



No	Mark	Frequency	Measure	Reading	Over	Limit	Factor	Ant	Table	Туре
		(MHz)	Level	Level	Limit	(dBuV)	(dB)	Pos	Pos	
			(dBuV)	(dBuV)	(dB)			(cm)	(deg)	
1	*	0.151	64.759	55.017	-1.172	65.931	9.742	0	0	QP
2		0.151	48.303	38.561	-7.628	55.931	9.742	0	0	AV
3		0.186	58.811	49.127	-5.403	64.213	9.684	0	0	QP
4		0.186	43.955	34.271	-10.258	54.213	9.684	0	0	AV
5		0.218	53.576	43.925	-9.319	62.895	9.651	0	0	QP
6		0.218	36.051	26.400	-16.844	52.895	9.651	0	0	AV
7		0.254	48.127	38.475	-13.499	61.625	9.652	0	0	QP
8		0.254	29.083	19.431	-22.543	51.625	9.652	0	0	AV
9		0.298	43.503	33.850	-16.795	60.298	9.653	0	0	QP
10		0.298	30.595	20.941	-19.704	50.298	9.653	0	0	AV
11		0.334	40.151	30.497	-19.200	59.351	9.654	0	0	QP
12		0.334	30.457	20.803	-18.894	49.351	9.654	0	0	AV



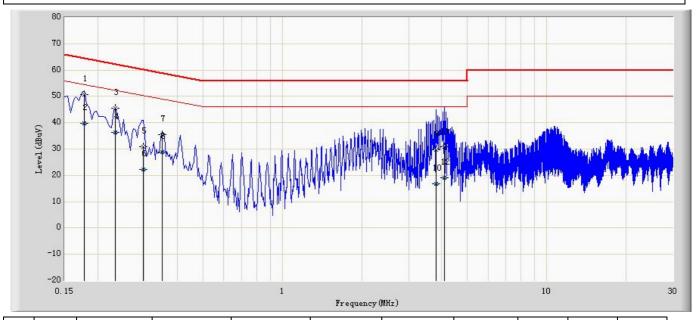
Engineer: Vilk					
Site: TR1	Time: 2011/09/22 - 19:34				
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0				
Probe: ENV216_101043(0.009-30MHz)	Polarity: Line				
EUT: VL2000	Power: AC 120V/60Hz				
Note: Mode 2					



No	Mark	Frequency	Measure	Reading	Over	Limit	Factor	Ant	Table	Туре
		(MHz)	Level	Level	Limit	(dBuV)	(dB)	Pos	Pos	
			(dBuV)	(dBuV)	(dB)			(cm)	(deg)	
1	*	0.174	52.737	43.119	-12.024	64.760	9.618	0	0	QP
2		0.174	41.986	32.368	-12.774	54.760	9.618	0	0	AV
3		0.238	42.890	33.210	-19.275	62.166	9.680	0	0	QP
4		0.238	31.977	22.297	-20.188	52.166	9.680	0	0	AV
5		0.294	41.011	31.331	-19.400	60.411	9.680	0	0	QP
6		0.294	32.032	22.352	-18.379	50.411	9.680	0	0	AV
7		0.354	35.790	26.110	-23.078	58.868	9.680	0	0	QP
8		0.354	26.173	16.493	-22.696	48.868	9.680	0	0	AV
9		0.414	30.352	20.672	-27.215	57.568	9.680	0	0	QP
10		0.414	23.079	13.399	-24.488	47.568	9.680	0	0	AV
11		4.058	31.868	22.158	-24.132	56.000	9.711	0	0	QP
12		4.058	18.369	8.658	-27.631	46.000	9.711	0	0	AV



Engineer: Vilk					
Site: TR1	Time: 2011/09/22 - 19:42				
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0				
Probe: ENV216_101043(0.009-30MHz)	Polarity: Neutral				
EUT: VL2000	Power: AC 120V/60Hz				
Note: Mode 2					



No	Mark	Frequency	Measure	Reading	Over	Limit	Factor	Ant	Table	Туре
		(MHz)	Level	Level	Limit	(dBuV)	(dB)	Pos	Pos	
			(dBuV)	(dBuV)	(dB)			(cm)	(deg)	
1	*	0.178	50.589	40.886	-13.989	64.578	9.703	0	0	QP
2		0.178	39.638	29.935	-14.941	54.578	9.703	0	0	AV
3		0.234	45.385	35.734	-16.922	62.307	9.651	0	0	QP
4		0.234	36.458	26.807	-15.849	52.307	9.651	0	0	AV
5		0.298	30.792	21.139	-29.506	60.298	9.653	0	0	QP
6		0.298	22.274	12.621	-28.025	50.298	9.653	0	0	AV
7		0.350	35.497	25.842	-23.465	58.962	9.655	0	0	QP
8		0.350	28.714	19.059	-20.249	48.962	9.655	0	0	AV
9		3.806	29.792	20.084	-26.208	56.000	9.708	0	0	QP
10		3.806	16.767	7.059	-29.233	46.000	9.708	0	0	AV
11		4.098	30.847	21.136	-25.153	56.000	9.711	0	0	QP
12		4.098	18.996	9.285	-27.004	46.000	9.711	0	0	AV

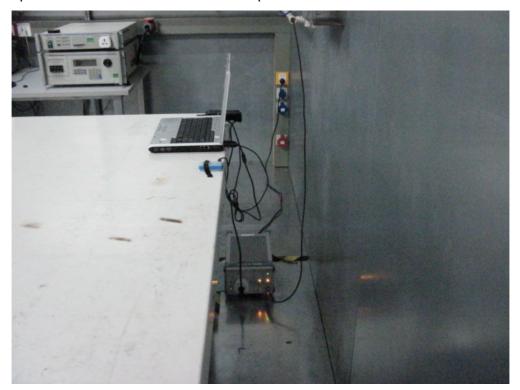


3.7. Test Photograph

Description: Conducted emission Test Setup -Mode 1



Description: Conducted emission Test Setup-Mode 2





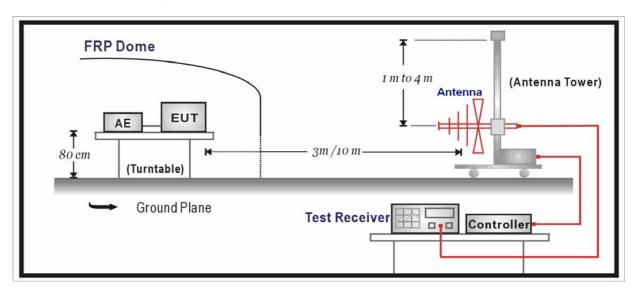
4. Radiated Emission

4.1. Test Specification

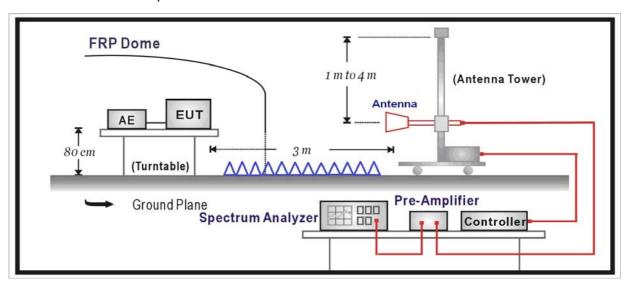
According to EMC Standard: FCC Part 15 Subpart B Class B, ANSI C63.4

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			

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500 - 1000	5000
Abovo 1000	5th harmonic of the highest frequency or 40
Above 1000	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.

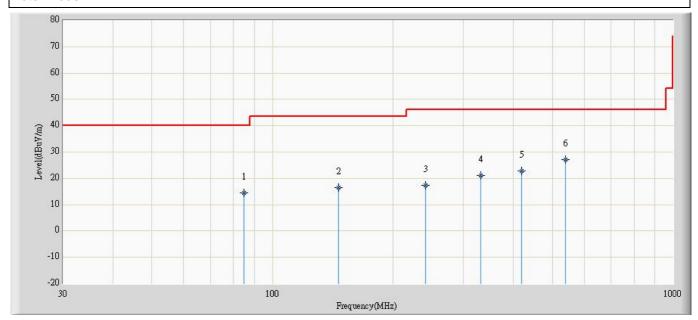
4.5. Deviation from Test Standard

No deviation.



4.6. Test Result

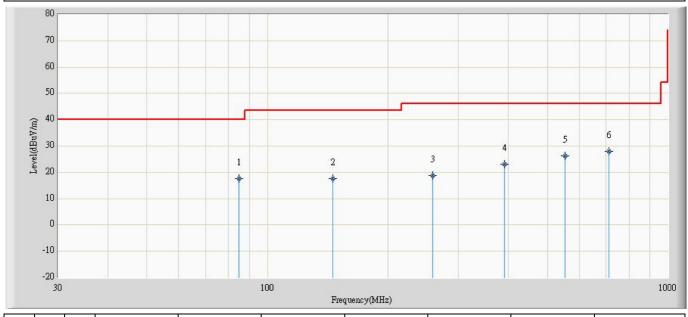
Engineer: Vilk	
Site: AC3	Time: 2011/09/23 - 08:24
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Horizontal
EUT: VL2000	Power: AC 120V/60Hz
Note: mode 1	



No	Flag	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
			(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)		
1			84.684	14.462	6.177	-25.538	40.000	8.285	QP
2			145.915	16.544	5.216	-26.956	43.500	11.328	QP
3			240.732	17.417	4.962	-28.583	46.000	12.455	QP
4			330.821	21.064	5.383	-24.936	46.000	15.681	QP
5			418.000	22.701	4.351	-23.299	46.000	18.350	QP
6		*	538.523	27.263	7.082	-18.737	46.000	20.181	QP



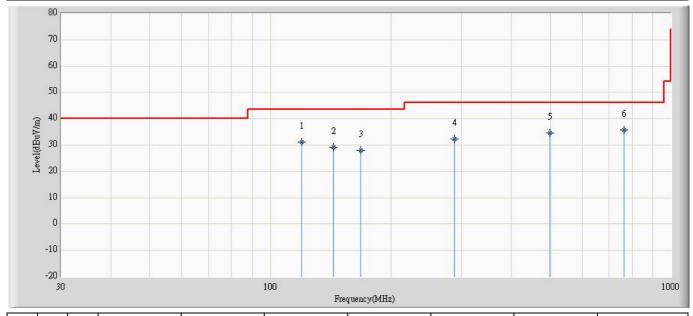
Engineer: Vilk						
Site: AC3	Time: 2011/09/23 - 08:24					
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0					
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Vertical					
EUT: vl2000	Power: AC 120V/60Hz					
Note: mode 1						



No	Flag	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
			(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)		
1			84.684	17.656	9.371	-22.344	40.000	8.285	QP
2			145.309	17.545	6.155	-25.955	43.500	11.390	QP
3			258.314	18.835	4.523	-27.165	46.000	14.312	QP
4			390.719	23.217	5.744	-22.783	46.000	17.473	QP
5			554.285	26.290	5.637	-19.710	46.000	20.653	QP
6		*	710.940	28.033	6.130	-17.967	46.000	21.903	QP



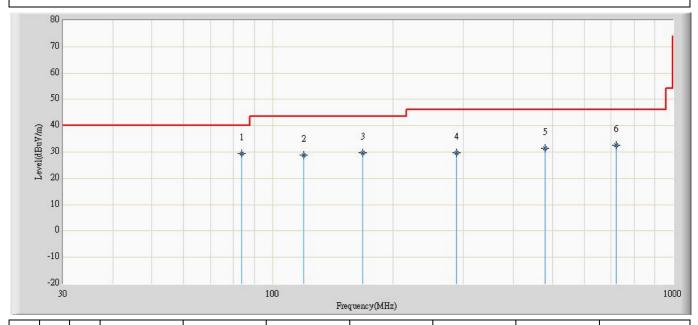
Engineer: Vilk						
Site: AC3	Time: 2011/09/23 - 08:24					
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0					
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Horizontal					
EUT: VL2000	Power: AC 120V/60Hz					
Note: mode 2						



No	Flag	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
			(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)		
1			119.725	31.250	18.674	-12.250	43.500	12.576	QP
2			143.732	29.063	17.507	-14.437	43.500	11.555	QP
3			167.740	28.077	17.809	-15.423	43.500	10.268	QP
4			287.656	32.262	17.829	-13.738	46.000	14.434	QP
5			498.753	34.655	15.242	-11.345	46.000	19.412	QP
6		*	765.018	35.878	13.161	-10.122	46.000	22.717	QP



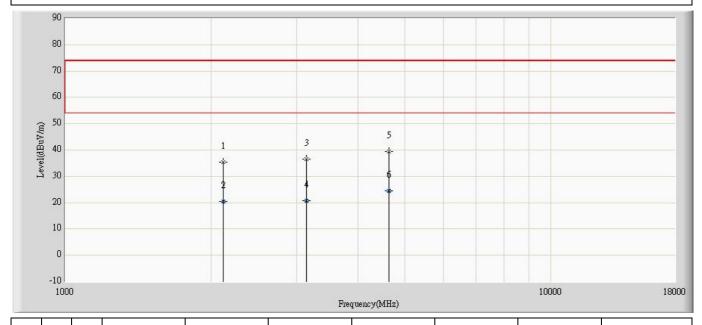
Engineer: Vilk						
Site: AC3	Time: 2011/09/23 - 08:24					
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0					
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Vertical					
EUT: VL2000	Power: AC 120V/60Hz					
Note: mode 2						



No	Flag	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
			(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)		
1		*	83.835	29.382	21.281	-10.618	40.000	8.101	QP
2			119.846	28.826	16.248	-14.674	43.500	12.578	QP
3			167.740	29.768	19.500	-13.732	43.500	10.268	QP
4			287.656	29.799	15.366	-16.201	46.000	14.434	QP
5			479.595	31.382	12.478	-14.618	46.000	18.904	QP
6			720.034	32.721	10.667	-13.279	46.000	22.054	QP



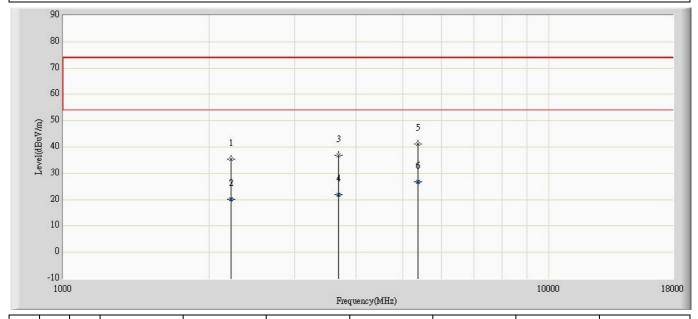
Engineer: Vilk						
Site: AC5	Time: 2011/09/21 - 16:07					
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0					
Probe: BBHA9120D_499(1-18GHz)	Polarity: Horizontal					
EUT: VL 2000	Power: AC 110V/60Hz					
Note: mode 1	·					



No	Flag	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
			(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)		
1			2113.500	35.454	53.369	-38.546	74.000	-17.916	PK
2			2113.500	20.453	38.368	-33.547	54.000	-17.916	AV
3			3142.000	36.564	52.399	-37.436	74.000	-15.835	PK
4			3142.000	20.653	36.488	-33.347	54.000	-15.835	AV
5			4638.000	39.403	51.836	-34.597	74.000	-12.433	PK
6		*	4638.000	24.413	36.846	-29.587	54.000	-12.433	AV



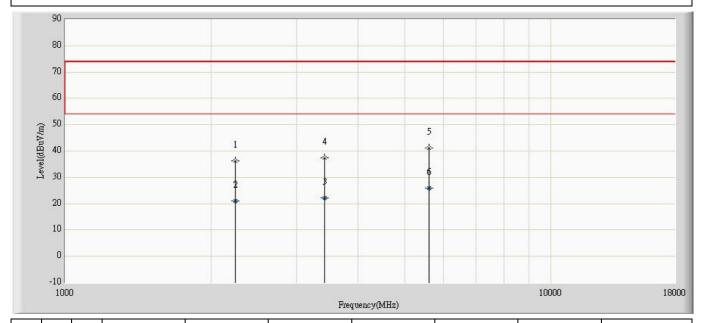
Engineer: Vilk						
Site: AC5	Time: 2011/09/21 - 16:08					
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0					
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical					
EUT: VL 2000	Power: AC 110V/60Hz					
Note: mode 1						



No	Flag	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
			(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)		
1			2215.500	35.270	52.491	-38.730	74.000	-17.221	PK
2			2215.500	20.236	37.456	-33.764	54.000	-17.221	AV
3			3694.500	36.916	51.822	-37.084	74.000	-14.906	PK
4			3694.500	21.916	36.822	-32.084	54.000	-14.906	AV
5			5377.500	41.103	52.057	-32.897	74.000	-10.954	PK
6		*	5377.500	26.691	37.645	-27.309	54.000	-10.954	AV



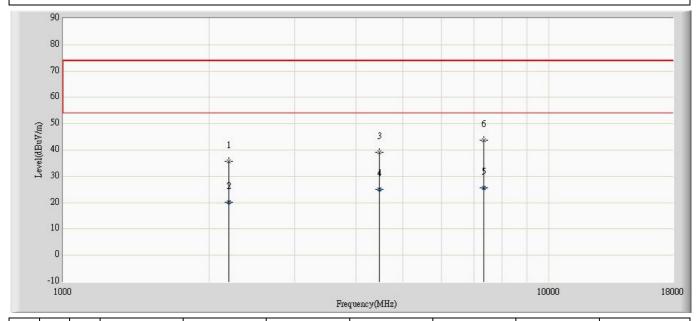
Engineer: Vilk						
Site: AC5	Time: 2011/09/23 - 08:40					
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0					
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical					
EUT: VL 2000	Power: AC 120V/60Hz					
Note: mode 2	·					



No	Flag	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
			(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)		
1			2241.000	36.326	53.494	-37.674	74.000	-17.168	PK
2			2241.000	20.993	38.161	-33.007	54.000	-17.168	AV
3			3422.000	22.154	38.132	-31.846	54.000	-15.978	AV
4			3422.500	37.271	53.243	-36.729	74.000	-15.972	PK
5			5607.000	41.208	51.535	-32.792	74.000	-10.327	PK
6		*	5607.000	25.834	36.161	-28.166	54.000	-10.327	AV



ngineer: Vilk						
Site: AC5	Time: 2011/09/23 - 08:39					
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0					
Probe: BBHA9120D_499(1-18GHz)	Polarity: Vertical					
EUT: VL 2000	Power: AC 120V/60Hz					
Note: mode 2	·					

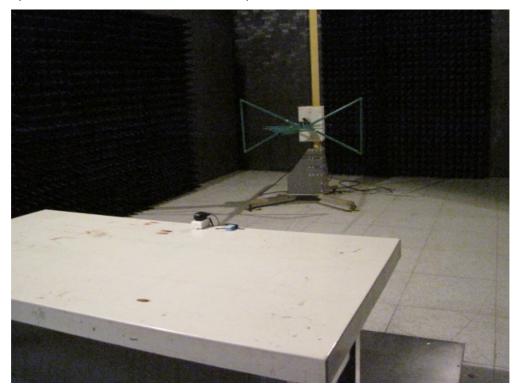


No	Flag	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
			(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)		
1			2190.000	35.696	52.991	-38.304	74.000	-17.295	PK
2			2190.000	20.121	37.416	-33.879	54.000	-17.295	AV
3			4485.000	39.132	52.099	-34.868	74.000	-12.967	PK
4			4485.000	25.182	38.149	-28.818	54.000	-12.967	AV
5		*	7332.000	25.669	28.641	-28.331	54.000	-2.972	AV
6			7332.500	43.748	46.721	-30.252	74.000	-2.972	PK

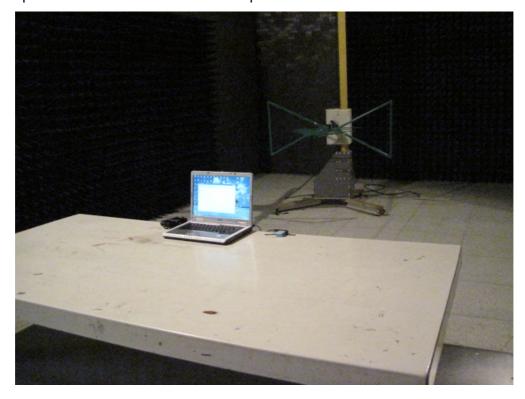


4.7. Test Photograph

Description: Radiated Emission Test Setup for Below 1GHz-Mode 1

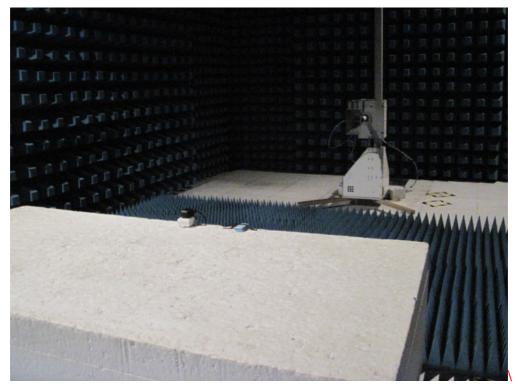


Description: Radiated Emission Test Setup for Below 1GHz-Mode 2

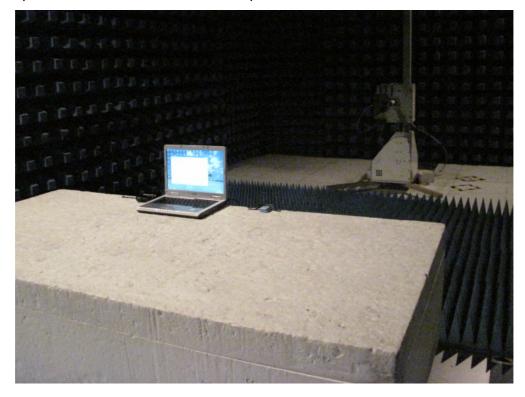




Description: Radiated Emission Test Setup for Above 1GHz-Mode 1



Description: Radiated Emission Test Setup for Above 1GHz-Mode 2





5. Attachment

> EUT Photograph

(1) EUT Photo



(2) EUT Photo





(3) EUT Photo

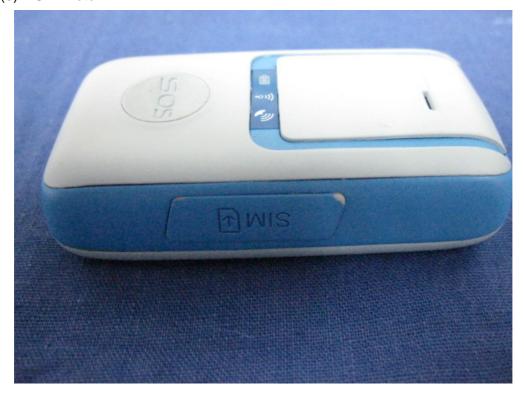


(4) EUT Photo





(5) EUT Photo



(6) EUT Photo





(7) EUT Photo

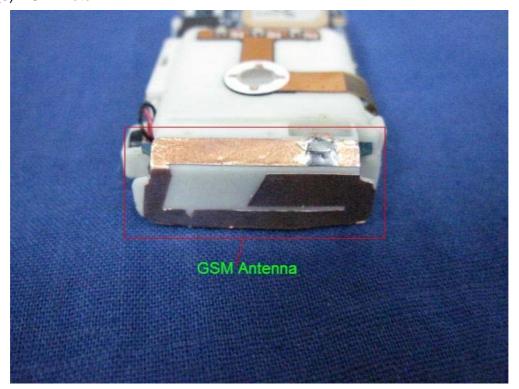


(8) EUT Photo





(9) EUT Photo



(10) EUT Photo





(11) EUT Photo



(12) EUT Photo

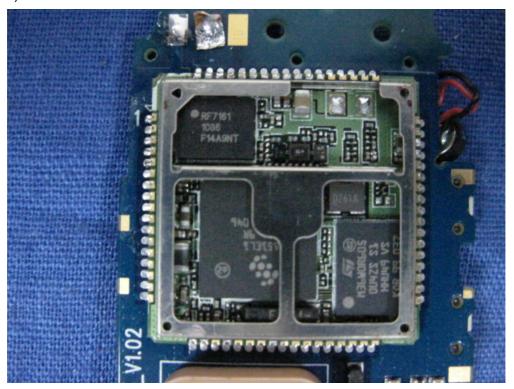




(13) EUT Photo



(14) EUT Photo





(15) EUT Photo

