



Test Report

Product Name : Handheld Microscope

Model No. : OT-2000

FCC ID. : WWSOT-2000

Applicant : Oriental System Technology Inc.

Address : 2F, NO.25, Industry E, Road 9th, Hsinchu Science Park,
Hsinchu 300, Taiwan, R.O.C.

Date of Receipt : 2008/09/04

Issued Date : 2009/02/26

Report No. : 089116R-RFUSP07V01

Version : V2.0

The test results relate only to the samples tested.

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

Test Report Certification

Issued Date : 2009/02/26

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Product Name : Handheld Microscope
 Applicant : Oriental System Technology Inc.
 Address : 2F, NO.25, Industry E, Road 9th, Hsinchu Science Park,
 Hsinchu 300, Taiwan, R.O.C.
 Manufacturer : Oriental System Technology Inc.
 Model No. : OT-2000
 Trade Name :  ORIENTAL SYSTEM
 TECHNOLOGY INC.
 FCC ID. : WWSOT-2000
 Rated Voltage : Mode 1: AC 120 V / 60 Hz
 Mode 2: DC 3.7V (Power by Battery)
 EUT Voltage : Mode 1: AC 120 V / 60 Hz
 Mode 2: DC 3.7V (Power by Battery)
 Applicable Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.249: 2008
 Test Result : Complied

The test results relate only to the samples tested.

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Documented By : Demi Chang
 (Demi Chang / Engineering Adm. Specialist)
 Reviewed By : Lucia Lu
 (Lucia Lu / Engineer)
 Approved By : Roy Wang
 (Roy Wang / Manager)

TABLE OF CONTENTS

Description	Page
1. General Information	4
1.1. EUT Description	4
1.2. Operational Description	5
1.3. Test Mode	6
1.4. Tested System Details	7
1.5. Configuration of tested System	8
1.6. EUT Exercise Software	9
1.7. Test Facility	10
2. Conducted Emission	11
2.1. Test Equipment	11
2.2. Test Setup	11
2.3. Limits	12
2.4. Test Procedure	12
2.5. Test Specification	12
2.6. Uncertainty	12
2.7. Test Result	13
2.8. Test Photo	15
3. Radiated Emission	16
3.1. Test Equipment	16
3.2. Test Setup	16
3.3. Limits	17
3.4. Test Procedure	18
3.5. Test Specification	18
3.6. Uncertainty	18
3.7. Test Result	19
3.8. Test Photo	45
4. Band Edge	47
4.1. Test Equipment	47
4.2. Test Setup	48
4.3. Limits	49
4.4. Test Procedure	49
4.5. Test Specification	49
4.6. Uncertainty	49
4.7. Test Result	50
Attachement	58
EUT Photograph	58

1. General Information

1.1. EUT Description

Product Name	Handheld Microscope
Model No.	OT-2000
Trade Name	
Frequency Range	2414MHz~2468MHz
Antenna Gain	2dBi
Channel Number	4
Type of Modulation	FM
Channel Control	Manual
Antenna Type	Chip on PCB

Component	
Ear cap	4mm (internal conjugate)*55mm (length), 1 Set
	4mm (internal conjugate)*30mm (length), 1 Set
	7mm (internal conjugate)*55mm (length), 1 Set
USB Cable	Shielded, 1.7m, one ferrite core bonded.

Working Frequency of Each Channel	
Channel	Frequency
1	2414MHz
2	2432MHz
3	2450MHz
4	2468MHz

Note:

1. This device is a Handheld Microscope included a 2.4GHz receiving function, and 2.4GHz transmitting function.
2. These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15 Subpart C Paragraph 15.249.
3. Regards to the frequency band operation; the lowest , middle and highest frequency of channel were selected to perform the test, and then shown on this report.
4. This device is a composite device in accordance with Part 15 regulations. The function receiving was measured and made a test report that the report number is 089116R-ITUSP01V02 under Declaration of Conformity.

1.2. Operational Description

The OT-2000 is a 2.4GHz Handheld Microscope. Operating Frequency Range is from 2414 MHz to 2468 MHz with 18 MHz channel spacing. The type of modulation is FM mode.

The OT-2000 has 4 transmitting channels. When you are using multiple devices within a closed area, you can set each device to different transmitting channels to prevent interference with each other. If you need to change the RF channel, unscrew and open the battery cover to adjust switch.

TV/monitor connection. Use the video cable to connect the RF Receiver to the TV/monitor. And PC connection must install the driver and software from the CD-ROM beforehand. Use the USB image retrieving cable to connect the RF Receiver to the PC. To change the channel on the RF receiver.

1.3. Test Mode

Due to the EUT is a hand-held device, QuieTek had tested three orthogonal axes(X,Y,Z) to find the highest emission which is relative to the limit by rotating the device. The final measurement will only be done in worst case scenario and be shown in the report.

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	
EMI	Mode 1: Transmitter (Data Transmit) Mode 2: Transmitter (Wireless Operating)
Final Test Mode	
TX	Mode 1: Transmitter (Data Transmit) Mode 2: Transmitter (Wireless Operating)

Emission	
Performed Item	Test
Conducted Emission	Yes
Radiated Emission	Yes
Band Edge	Yes

1.4. Tested System Details

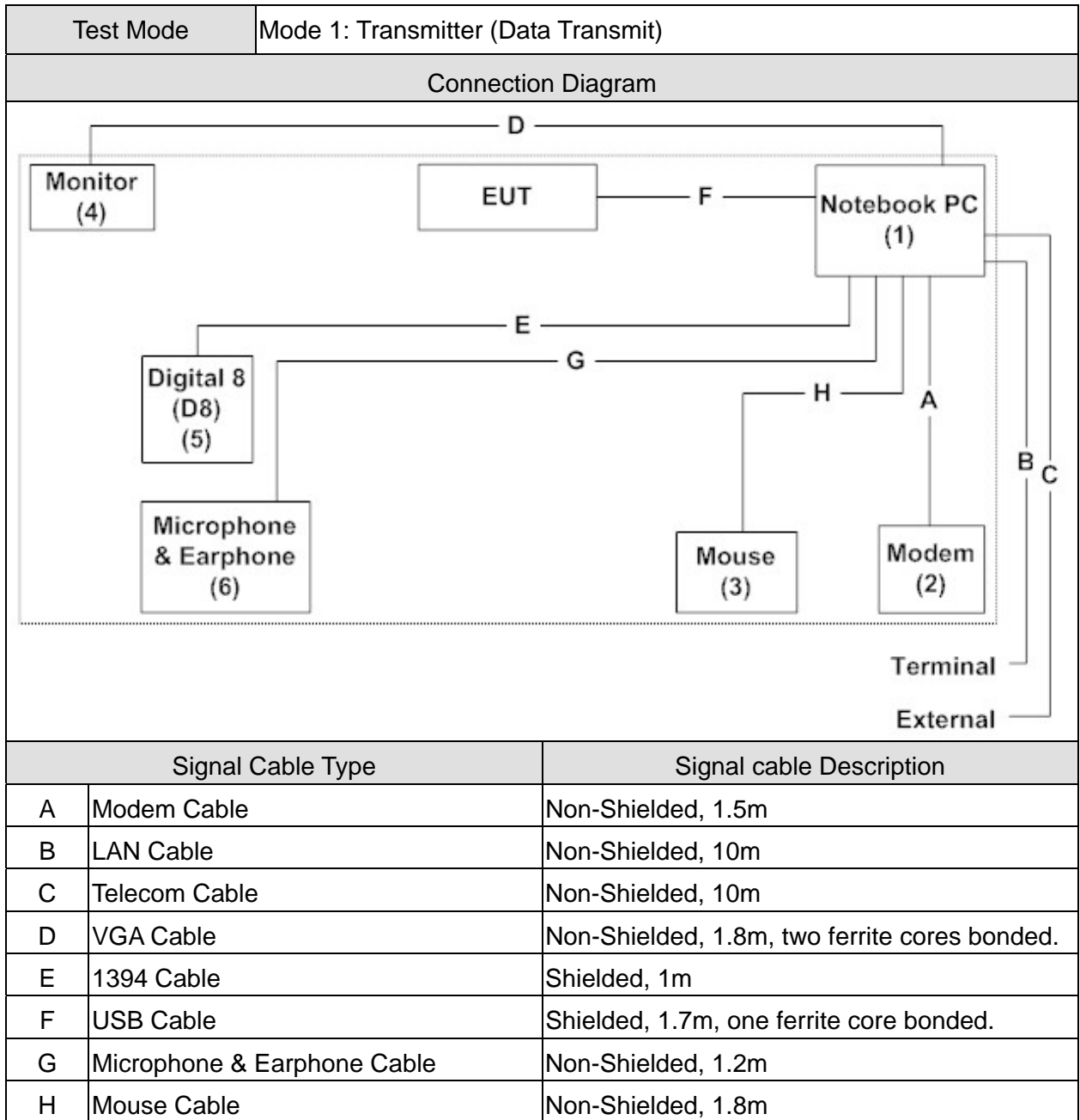
The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

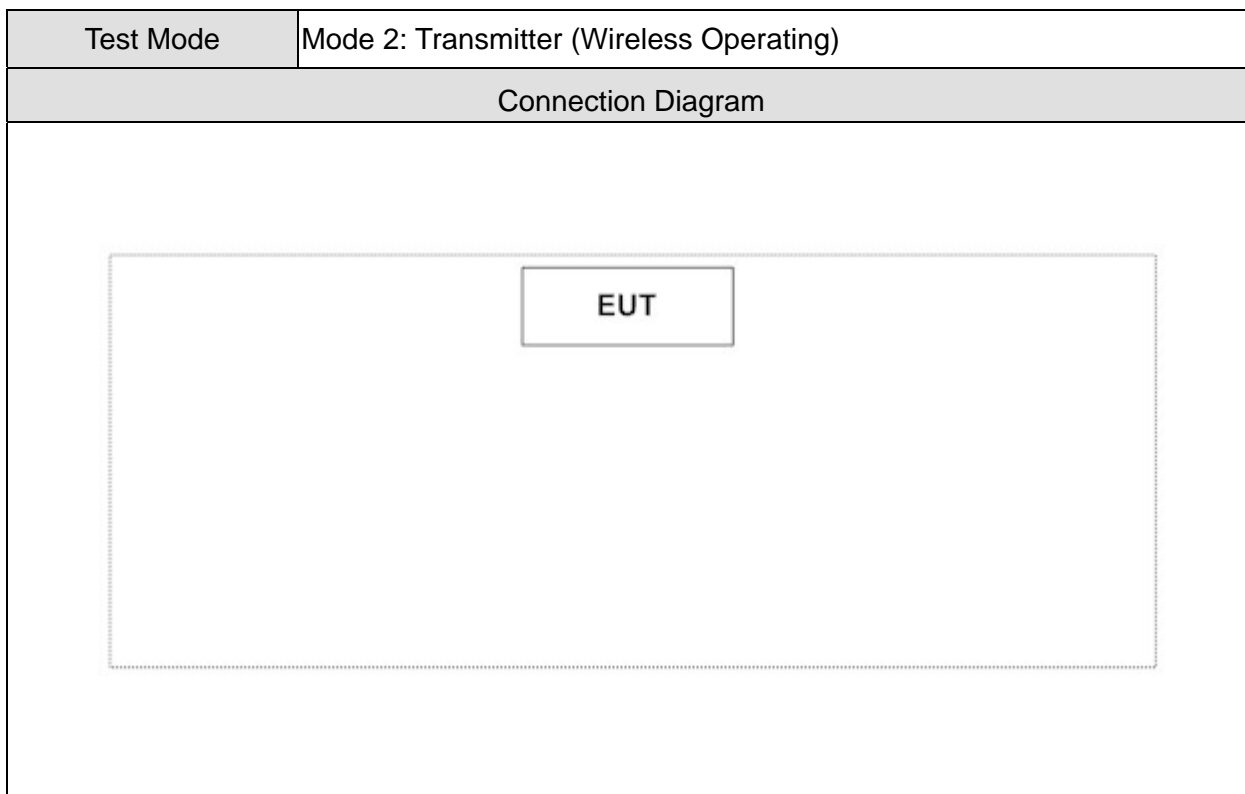
Test Mode		Mode 1: Transmitter (Data Transmit)				
Product	Manufacturer	Model No.	Serial No.	FCC ID	Power Cord	
1	Notebook PC	DELL	LATITUDE D400	HK43D1S	DoC	Non-shielded, 1.7m, a ferrite core bonded
2	Modem	ACEEX	DM-1414	980033037	DoC	Non-shielded, 1.6m
3	Mouse	Logitech	M-M35	LZA74956375	DoC	--
4	Monitor	CHI MEI	A170E1-09	3UC120954WA0079	DoC	Non-shielded, 1.8m
5	Digital 8 (D8)	SONY	DCR-TRV110	P35209	DoC	--
6	Microphone & Earphone	TOKTO	SX-MI	N/A	DoC	--

Test Mode		Mode 2: Transmitter (Wireless Operating)				
-----------	--	--	--	--	--	--

N/A

1.5. Configuration of tested System





1.6. EUT Exercise Software

1	Setup the EUT and display as shown on 1.5.
2	Turn on the power of all equipment.
3	The EUT will continuously transmit the radio signal.

1.7. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	25
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.249 Band Edge	15 - 35	25
Humidity (%RH)		25 - 75	65
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.209 Radiated Emission	15 - 35	25
Humidity (%RH)		25 - 75	65
Barometric pressure (mbar)		860 - 1060	950-1000

Site Description:

January 24, 2005 File on
Federal Communications Commission
Laboratory Division
7435 Oakland Mills Road
Columbia, MD 21046
Registration Number: 365520



Accredited by TAF
Accreditation Number: 1313



Accredited by NVLAP
NVLAP Lab Code: 200347-0
Effective through: September 30, 2009



Site Name: Quietek Corporation

Site Address: No.75-1, Wang-Yeh Valley, Yung-Hsing,
Chiung-Lin, Hsin-Chu County,
Taiwan, R.O.C.
TEL : 886-3-592-8858 / FAX : 886-3-592-8859
E-Mail : service@quietek.com

2. Conducted Emission

2.1. Test Equipment

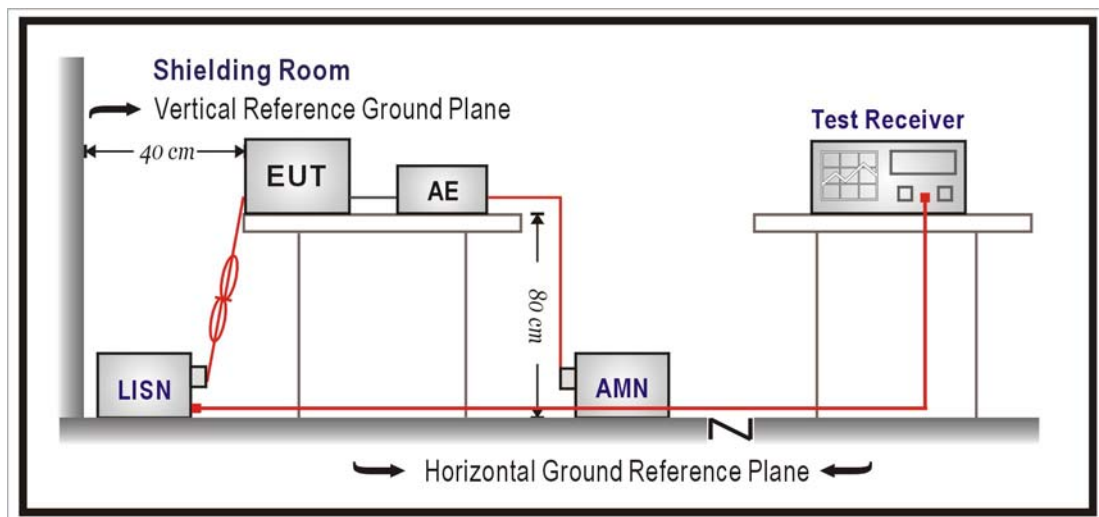
The following test equipment are used during the test:

Conducted Emission / SR3

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
4-Wire ISN	R & S	ENY 41	837032/001	2008/04/15
Double 2-Wire ISN	R & S	ENY 22	835354/008	2008/04/15
LISN	R & S	ESH3-Z5	836679/022	2008/06/17
LISN	R & S	ESH3-Z5	836679/013	2008/12/30
Pulse Limiter	R & S	ESH3-Z2	100411	2008/11/16
Test Receiver	R & S	ESCS 30	100149	2008/11/15

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

2.2. Test Setup



2.3. Limits

FCC Part 15 Subpart C Paragraph 15.207 Limits (dBuV)		
Frequency MHz	QP	AV
0.15 - 0.50	66-56	56-46
0.50-5.0	56	46
5.0 - 30	60	50

Remarks : In the above table, the tighter limit applies at the band edges.

2.4. 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 50 ohm /50uH coupling impedance for the measuring equipment. 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.) 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. Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

2.5. Test Specification

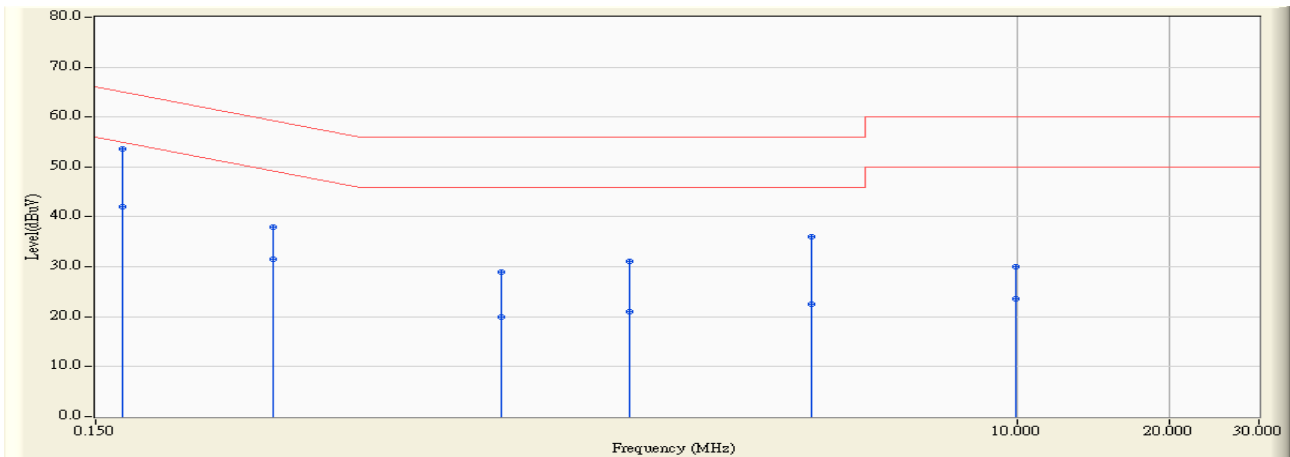
According to FCC Part 15 Subpart C Paragraph 15.207: 2006

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR3	Time : 2009/02/20 - 11:21
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A) - Line1	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note :

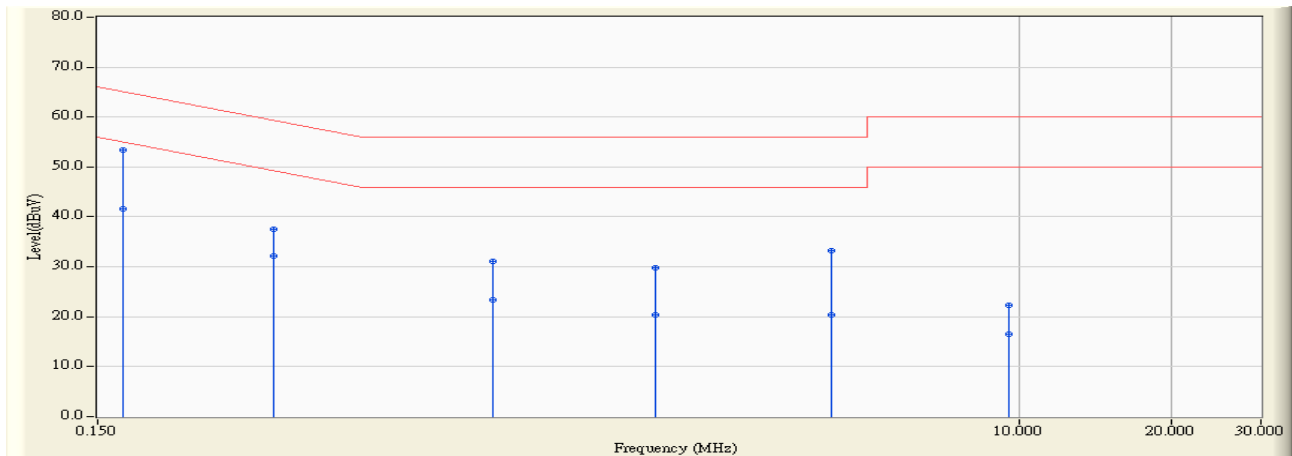


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.169	9.605	43.970	53.575	-11.433	65.009	QUASPEAK
2		0.169	9.605	32.530	42.135	-12.873	55.009	AVERAGE
3		0.336	9.807	28.260	38.067	-21.225	59.292	QUASPEAK
4		0.336	9.807	21.780	31.587	-17.705	49.292	AVERAGE
5		0.953	9.864	19.060	28.924	-27.076	56.000	QUASPEAK
6		0.953	9.864	10.080	19.944	-26.056	46.000	AVERAGE
7		1.705	9.895	21.110	31.005	-24.995	56.000	QUASPEAK
8		1.705	9.895	11.080	20.975	-25.025	46.000	AVERAGE
9		3.900	9.916	26.160	36.076	-19.924	56.000	QUASPEAK
10		3.900	9.916	12.640	22.556	-23.444	46.000	AVERAGE
11		9.916	10.147	19.870	30.017	-29.983	60.000	QUASPEAK
12		9.916	10.147	13.530	23.677	-26.323	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : SR3	Time : 2009/02/20 - 11:26
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR3_LISN(16A) - Line2	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note :



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.168	9.551	43.810	53.360	-11.696	65.056	QUASPEAK
2		0.168	9.551	32.120	41.670	-13.386	55.056	AVERAGE
3		0.335	9.705	27.890	37.595	-21.726	59.321	QUASPEAK
4		0.335	9.705	22.500	32.205	-17.116	49.321	AVERAGE
5		0.909	9.812	21.210	31.022	-24.978	56.000	QUASPEAK
6		0.909	9.812	13.570	23.382	-22.618	46.000	AVERAGE
7		1.904	9.837	19.900	29.737	-26.263	56.000	QUASPEAK
8		1.904	9.837	10.450	20.287	-25.713	46.000	AVERAGE
9		4.228	9.847	23.430	33.277	-22.723	56.000	QUASPEAK
10		4.228	9.847	10.440	20.287	-25.713	46.000	AVERAGE
11		9.513	10.112	12.280	22.392	-37.608	60.000	QUASPEAK
12		9.513	10.112	6.340	16.452	-33.548	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

3. Radiated Emission

3.1. Test Equipment

The following test equipment are used during the test:

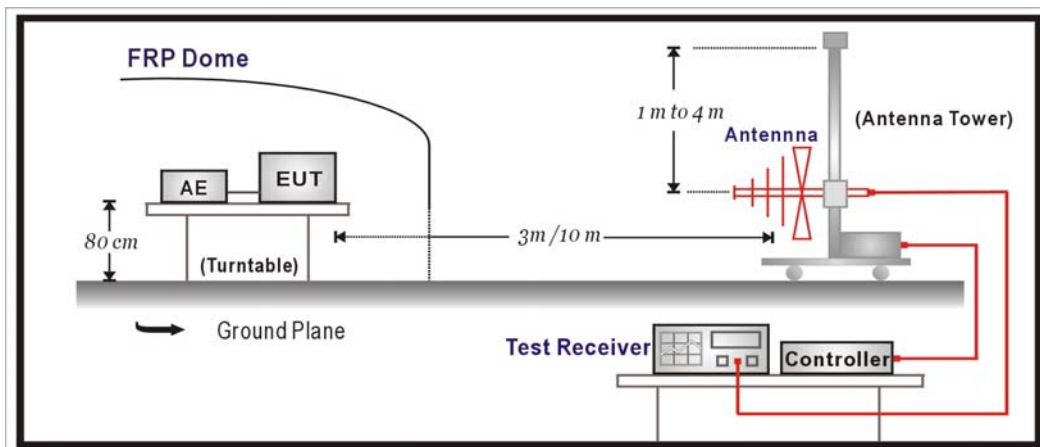
Radiated Emission / Site1

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Bilog Antenna	Schaffner Chase	CBL6112B	2895	2008/09/03
Horn Antenna	Electro Metrics	EM-6961	103325	2008/03/15
Pre-Amplifier	HP	8449B	3008A01123	2008/11/15
Pre-Amplifier	Quietek	AP-025C	N/A	N/A
Spectrum Analyzer	R & S	FSP40	100005	2008/08/25
Spectrum Analyzer	Advantest	R3162	120300649	2008/11/24
Test Receiver	R & S	ESCS 30	825442/017	2009/02/13

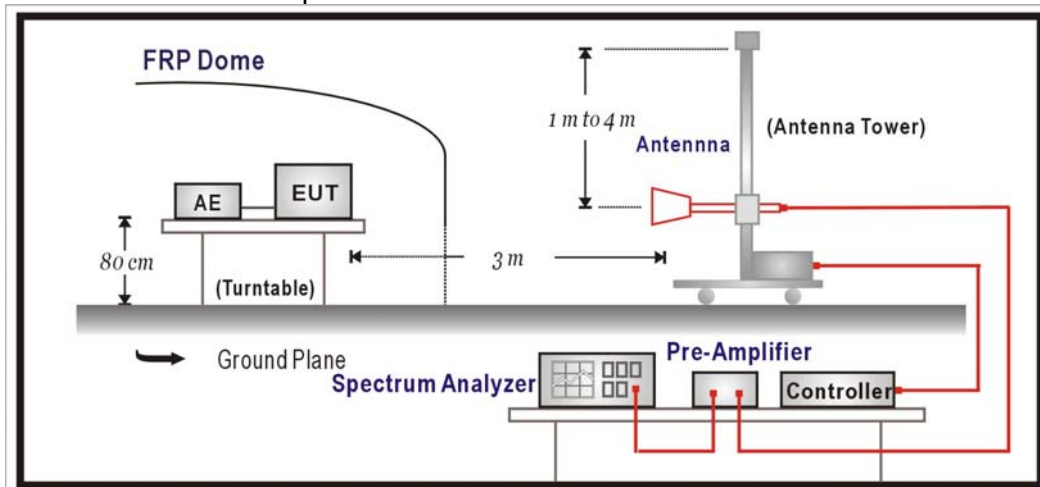
- Note: 1. All equipments that need to calibrate are with calibration period of 1 year.
 2. "N/A" Ca1.Date is used to Pre-test, not final test.

3.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



3.3. Limits

➤ Fundamental and Harmonics Emission Limits

FCC Part 15 Subpart C Paragraph 15.249 Limits				
Fundamental Frequency MHz	Field Strength of Fundamental		Field Strength of Harmonics	
	mV/m	dBuV/m	uV/m	dBuV/m
902-928	50	94	500	54
2400-2483.5	50	94	500	54
5725-5875	50	94	500	54

- Remarks :
1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
 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.
 3. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

➤ Spurious electric field strength limits

FCC Part 15 Subpart C Paragraph 15.209 Limits			
Frequency MHz	uV/m	dBuV/m	Measurement distance (meter)
1.705-30	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

- Remarks :
1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
 2. In the Above Table, the tighter limit applies at the band edges.
 3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3.4. 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 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 according to ANSI C63.4:2003 on radiated measurement.

On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 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. The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.209 and Paragraph 15.249: 2007

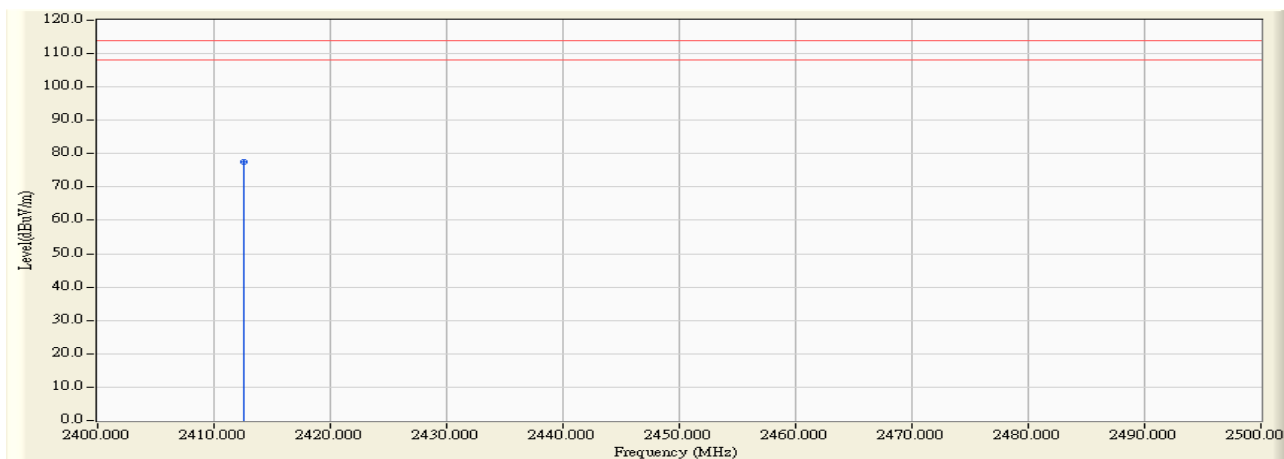
3.6. Uncertainty

The measurement uncertainty
 30MHz~1GHz as $\pm 3.19\text{dB}$
 1GHz~26.5GHz as $\pm 3.9\text{dB}$

3.7. Test Result

Fundamental :

Site : Site 1	Time : 2009/02/17 - 20:49
Limit : FCC_SpartC_15.249_F_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH1

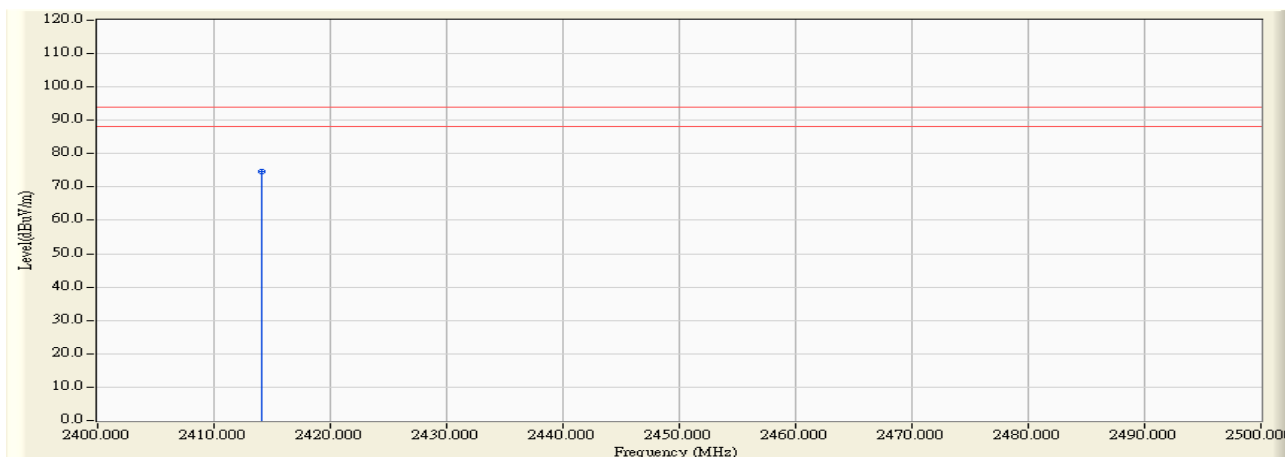


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2412.520	32.145	45.320	77.465	-36.535	114.000	PEAK

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 20:50
Limit : FCC_SpartC_15.249_F_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH1

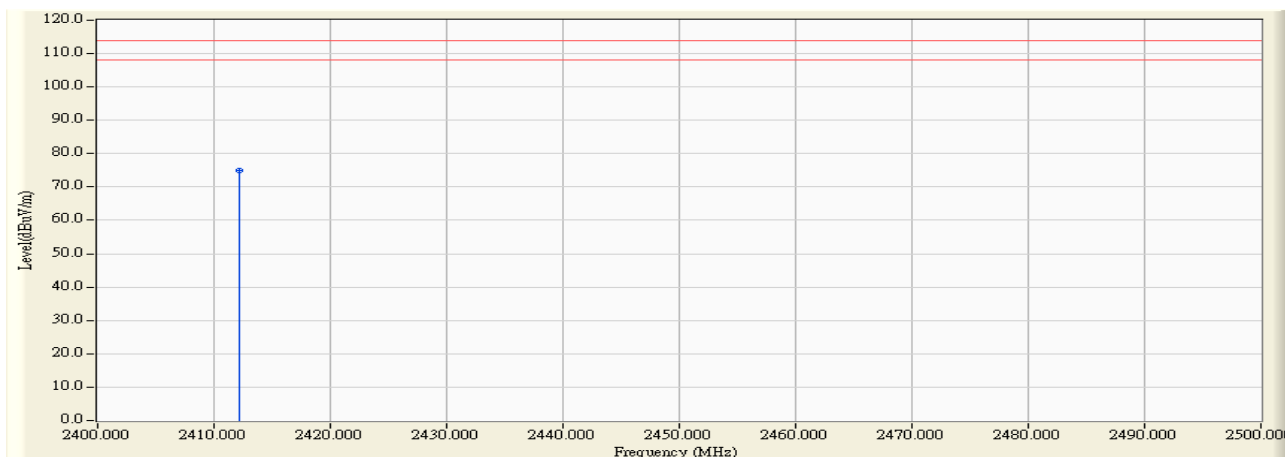


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2414.100	32.153	42.340	74.493	-19.507	94.000	AVERAGE

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 20:53
Limit : FCC_SpartC_15.249_F_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - VERTICAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH1

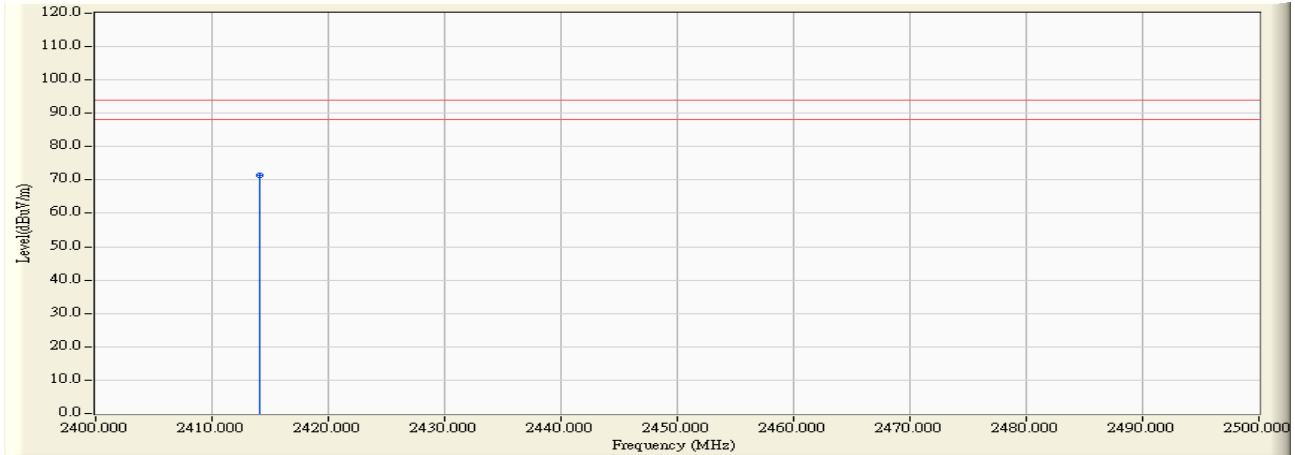


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2412.160	28.389	46.520	74.908	-39.092	114.000	PEAK

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 20:54
Limit : FCC_SpartC_15.249_F_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - VERTICAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH1

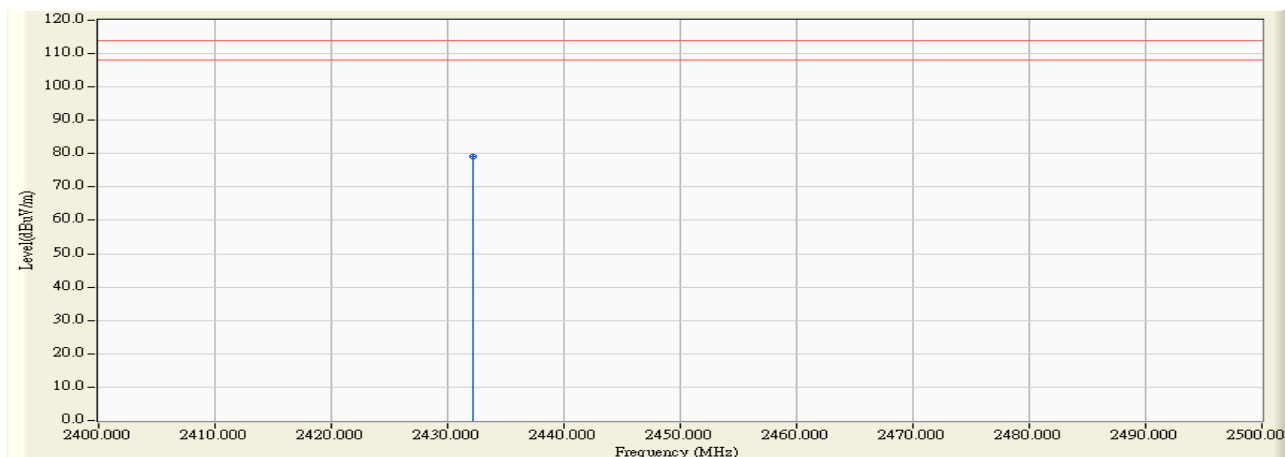


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2414.120	28.382	43.180	71.562	-22.438	94.000	AVERAGE

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 21:00
Limit : FCC_SpartC_15.249_F_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH2

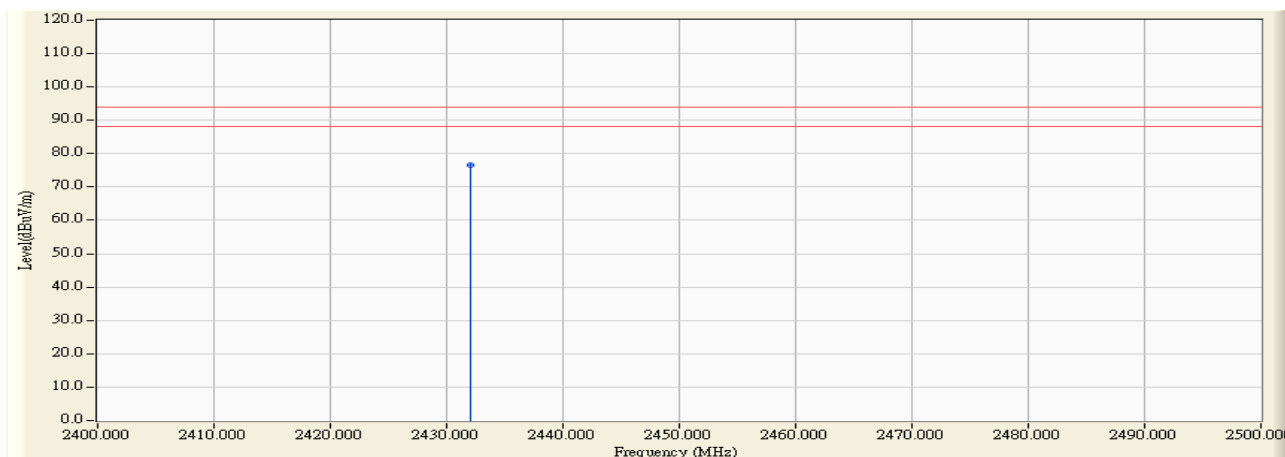


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2432.120	32.238	47.020	79.258	-34.742	114.000	PEAK

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 21:01
Limit : FCC_SpartC_15.249_F_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH2

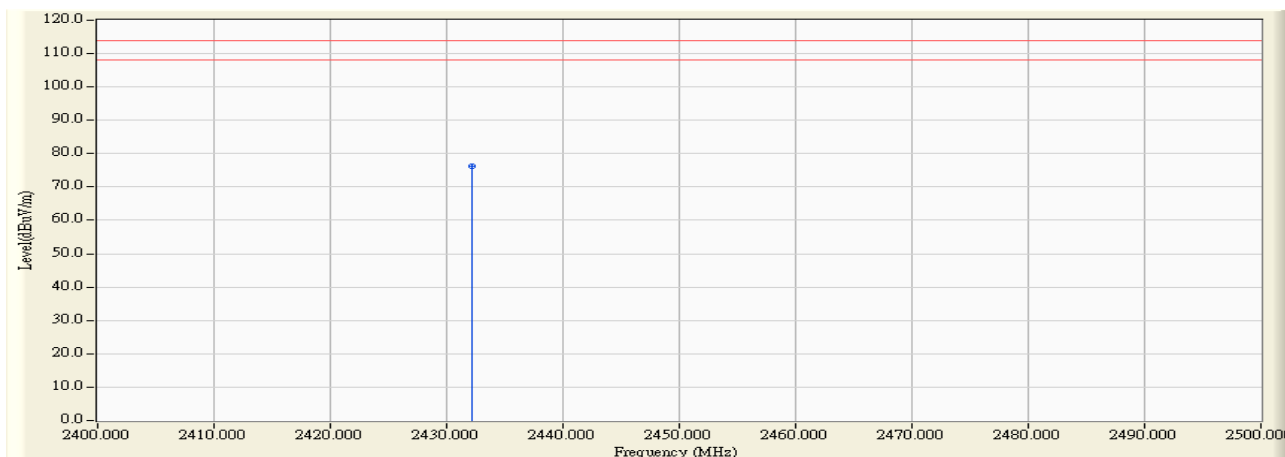


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2432.060	32.237	44.400	76.638	-17.362	94.000	AVERAGE

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 21:05
Limit : FCC_SpartC_15.249_F_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - VERTICAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH2

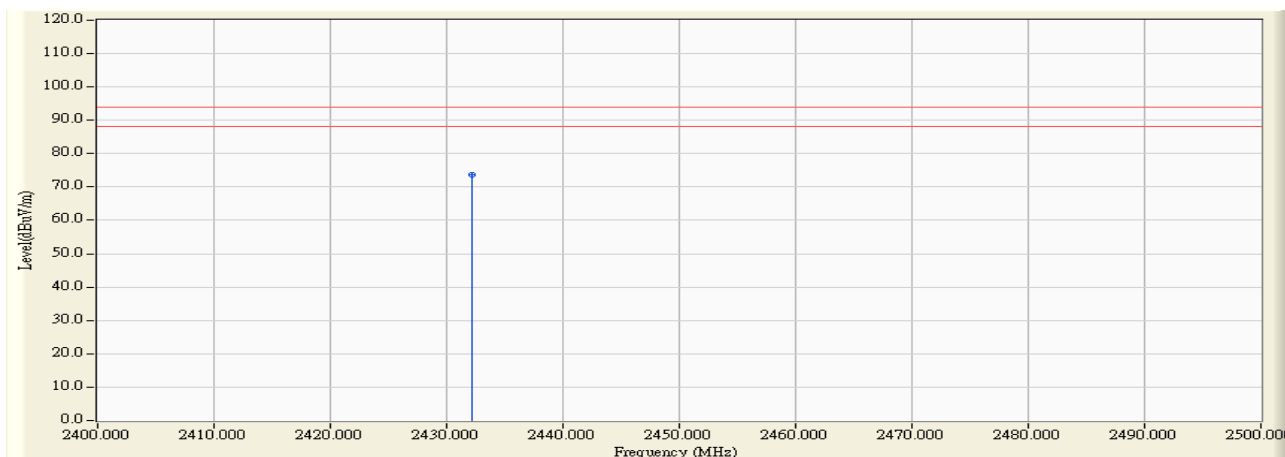


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2432.120	28.323	47.870	76.194	-37.806	114.000	PEAK

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 21:06
Limit : FCC_SpartC_15.249_F_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - VERTICAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH2

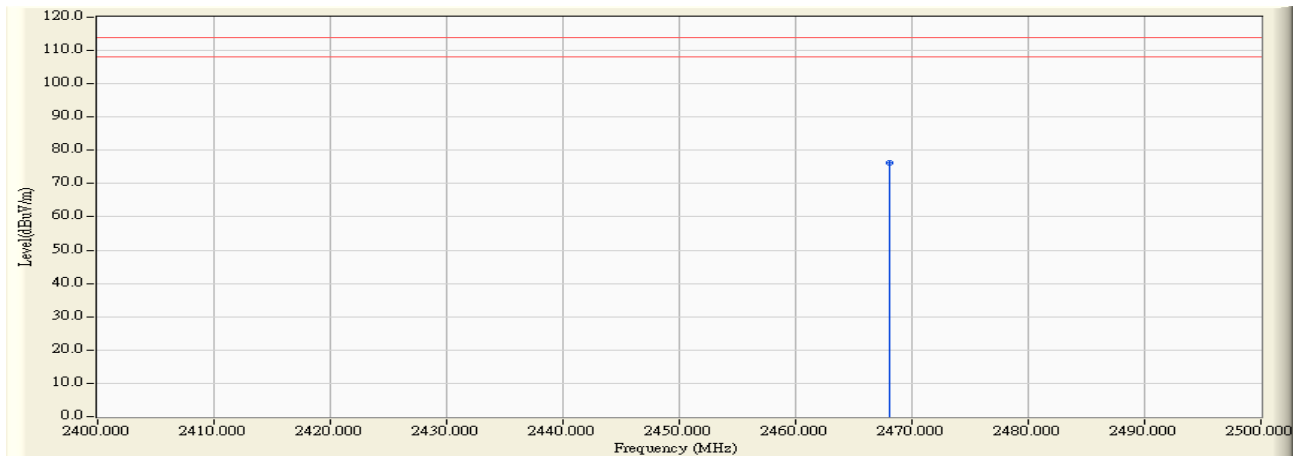


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2432.120	28.323	45.370	73.694	-20.306	94.000	AVERAGE

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 20:34
Limit : FCC_SpartC_15.249_F_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH4

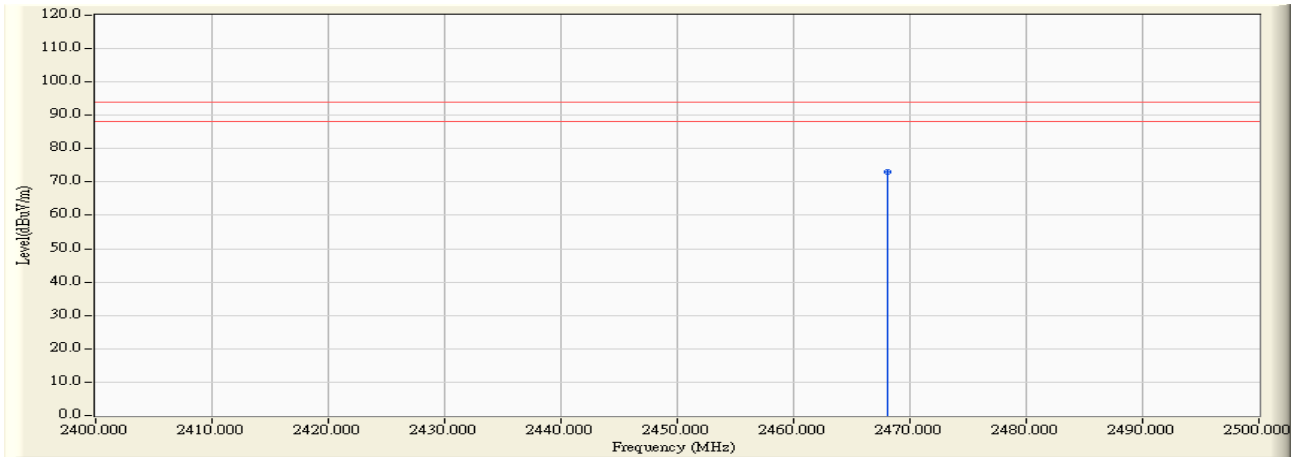


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2468.080	32.405	43.690	76.095	-37.905	114.000	PEAK

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 20:35
Limit : FCC_SpartC_15.249_F_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH4

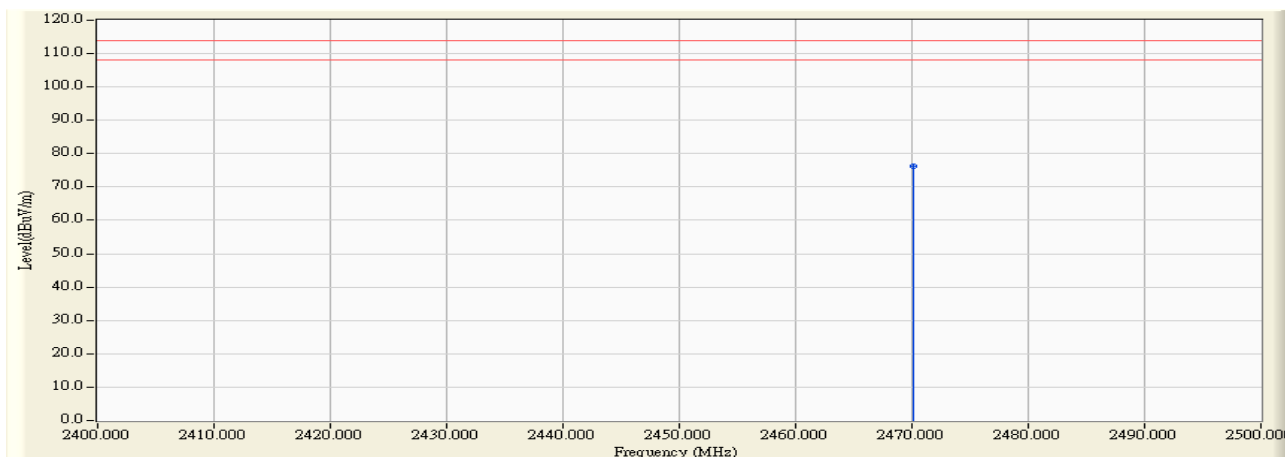


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2468.100	32.405	40.670	73.075	-20.925	94.000	AVERAGE

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 20:39
Limit : FCC_SpartC_15.249_F_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - VERTICAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH4

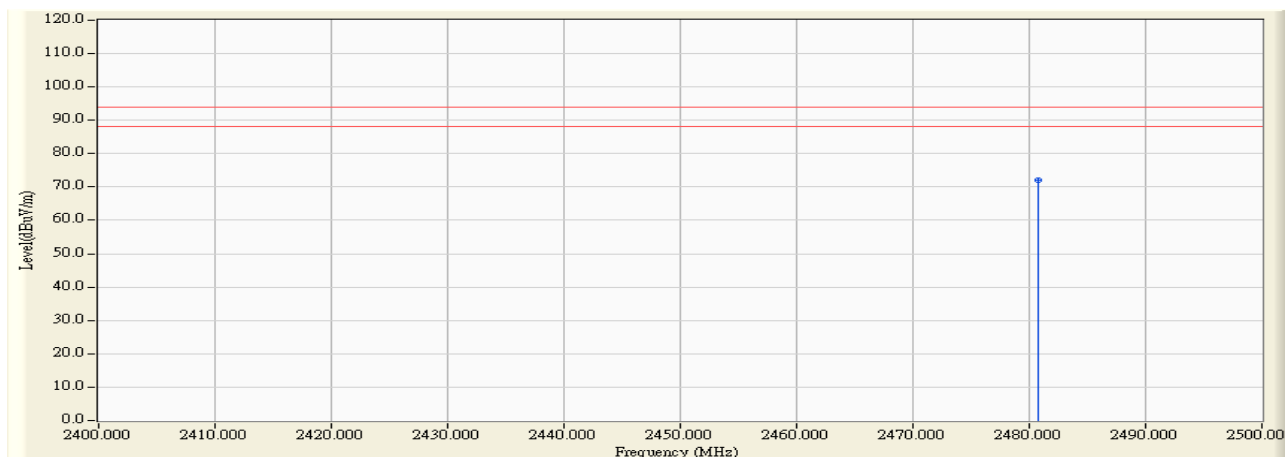


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2470.080	28.202	47.890	76.091	-37.909	114.000	PEAK

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 20:40
Limit : FCC_SpartC_15.249_F_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - VERTICAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH4



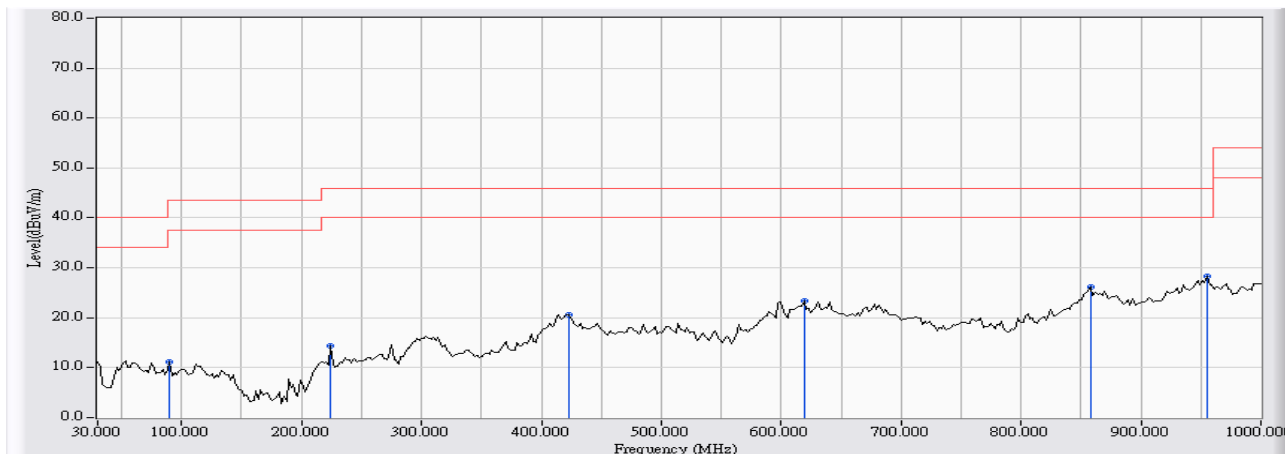
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2480.800	28.166	43.920	72.086	-21.914	94.000	AVERAGE

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

30 MHz-1 GHz Spurious:

Site : Site 1	Time : 2009/02/19 - 10:40
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2008-9) - HORIZONTAL	Power : AC 120V/50Hz
EUT : Handheld Microscope	Note : TX-CH2

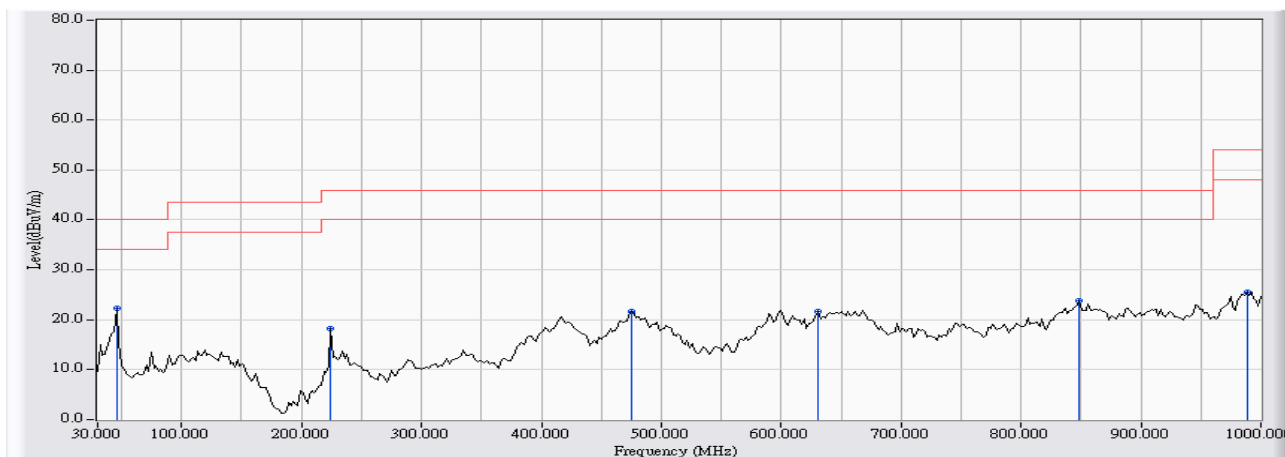


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	90.261	-14.715	25.811	11.096	-32.404	43.500	QUASPEAK
2	224.389	-13.149	27.468	14.320	-31.680	46.000	QUASPEAK
3	422.665	-3.791	24.442	20.651	-25.349	46.000	QUASPEAK
4	618.998	-2.217	25.500	23.283	-22.717	46.000	QUASPEAK
5	858.096	0.887	25.310	26.197	-19.803	46.000	QUASPEAK
6	* 955.291	2.996	25.209	28.205	-17.795	46.000	QUASPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : Site 1	Time : 2009/02/19 - 10:44
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB3_FCC_30-1G(2008-9) - VERTICAL	Power : AC 120V/50Hz
EUT : Handheld Microscope	Note : TX-CH2



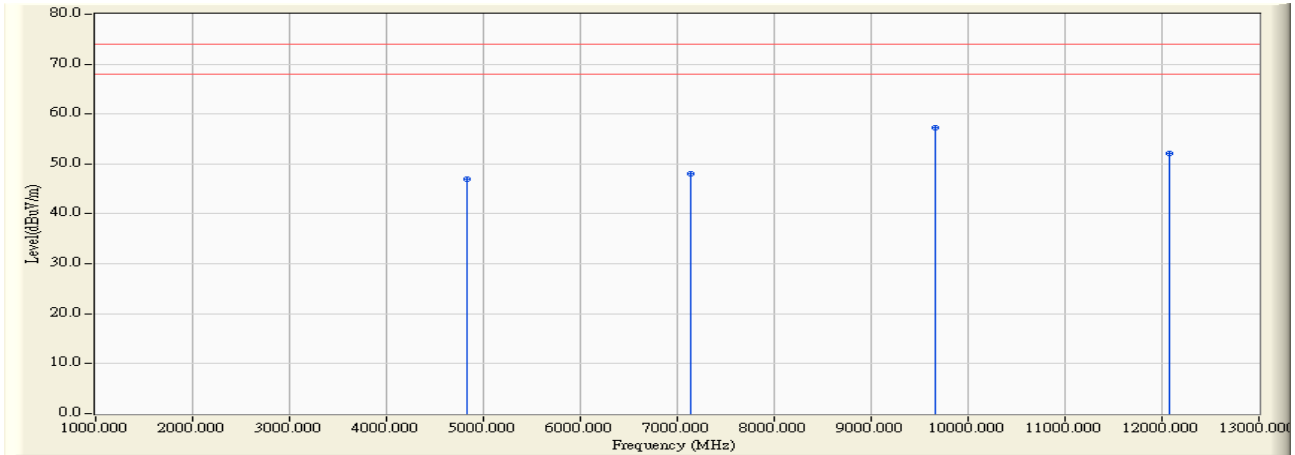
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	45.551	-13.065	35.296	22.232	-17.768	40.000	QUASPEAK
2		224.389	-11.836	30.082	18.246	-27.754	46.000	QUASPEAK
3		475.150	-2.875	24.495	21.620	-24.380	46.000	QUASPEAK
4		630.661	-2.981	24.686	21.705	-24.295	46.000	QUASPEAK
5		848.377	-1.626	25.444	23.819	-22.181	46.000	QUASPEAK
6		988.337	0.935	24.650	25.585	-28.415	54.000	QUASPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Spurious and Harmonics Emission :

Site : Site 1	Time : 2009/02/17 - 14:39
Limit : FCC_SpartC_15.249_H_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH1

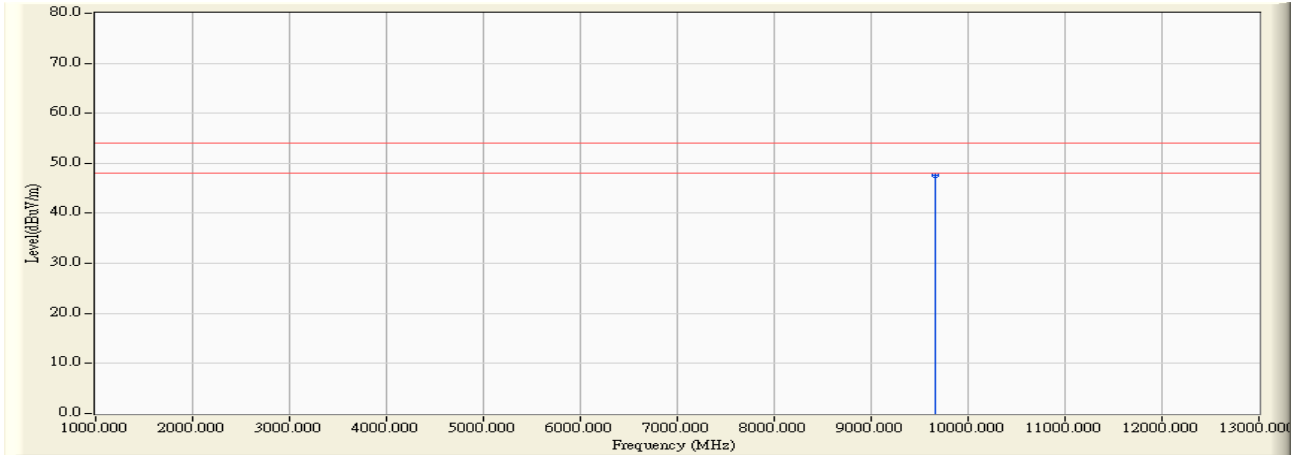


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4828.480	5.511	41.470	46.981	-26.989	74	PEAK
2	7141.180	10.602	37.360	47.962	-26.008	74	PEAK
3	* 9656.880	16.497	40.670	57.167	-16.803	74	PEAK
4	12069.840	21.309	30.890	52.199	-21.771	74	PEAK

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 14:40
Limit : FCC_SpartC_15.249_H_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH1

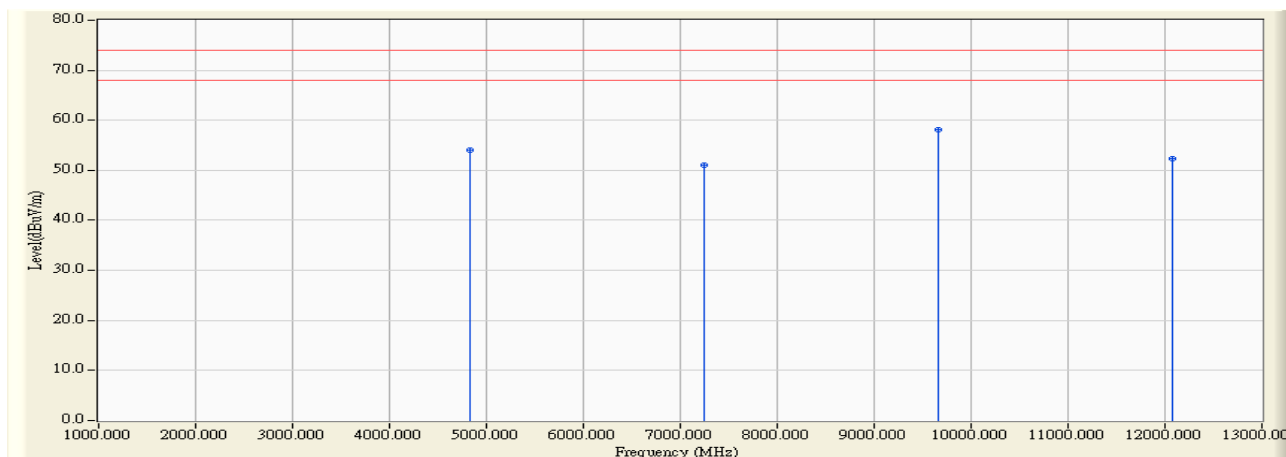


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9656.520	16.494	31.170	47.665	-6.305	54	AVERAGE

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 14:47
Limit : FCC_SpartC_15.249_H_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - VERTICAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH1

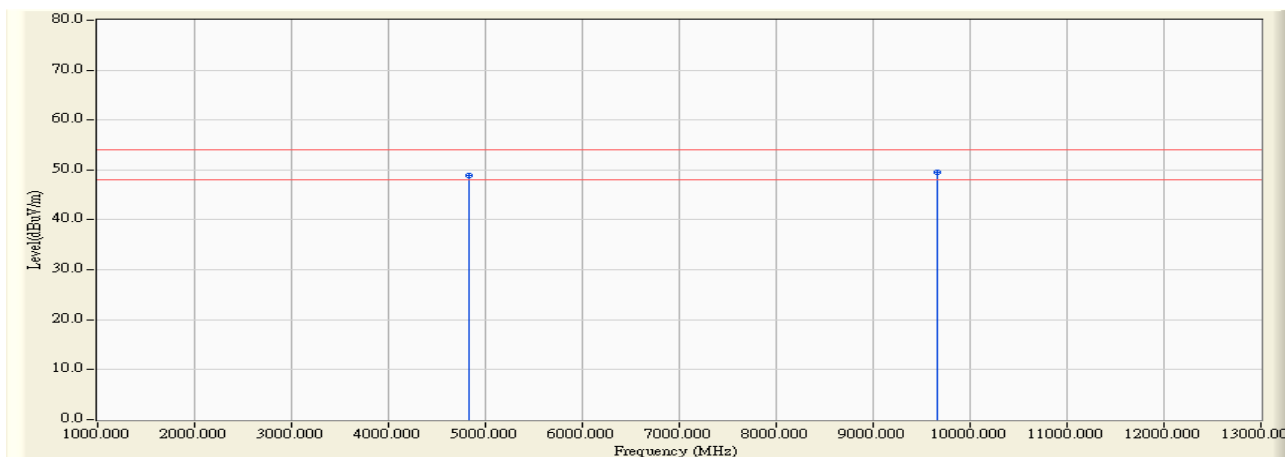


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4828.280	7.641	46.510	54.151	-19.819	74	PEAK
2	7242.560	10.763	40.200	50.963	-23.007	74	PEAK
3	* 9657.080	16.609	41.600	58.209	-15.761	74	PEAK
4	12070.040	20.062	32.260	52.322	-21.648	74	PEAK

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 14:48
Limit : FCC_SpartC_15.249_H_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - VERTICAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH1

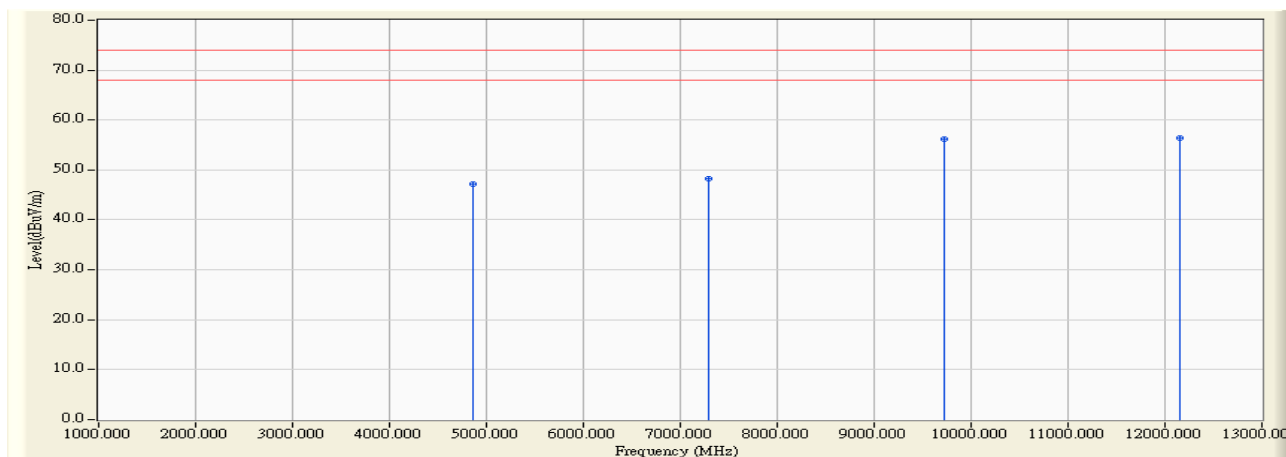


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4828.240	7.641	41.230	48.871	-5.099	54	AVERAGE
2	*	9656.520	16.605	32.880	49.485	-4.485	54	AVERAGE

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 15:26
Limit : FCC_SpartC_15.249_H_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH2

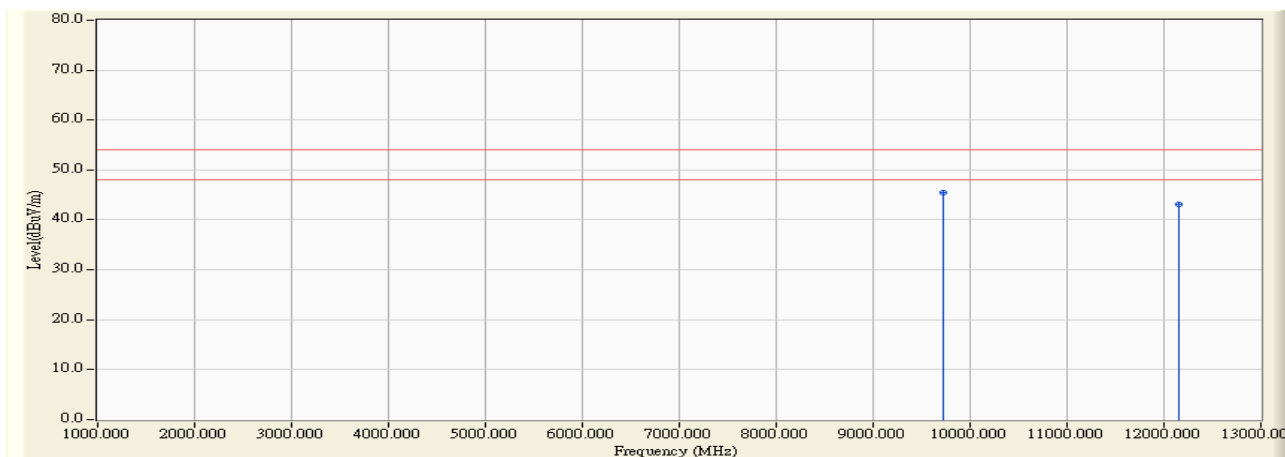


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4863.840	5.591	41.540	47.131	-26.839	74	PEAK
2	7295.680	11.513	36.830	48.343	-25.627	74	PEAK
3	9728.480	16.901	39.270	56.172	-17.798	74	PEAK
4	* 12161.320	20.853	35.650	56.503	-17.467	74	PEAK

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 15:27
Limit : FCC_SpartC_15.249_H_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH2

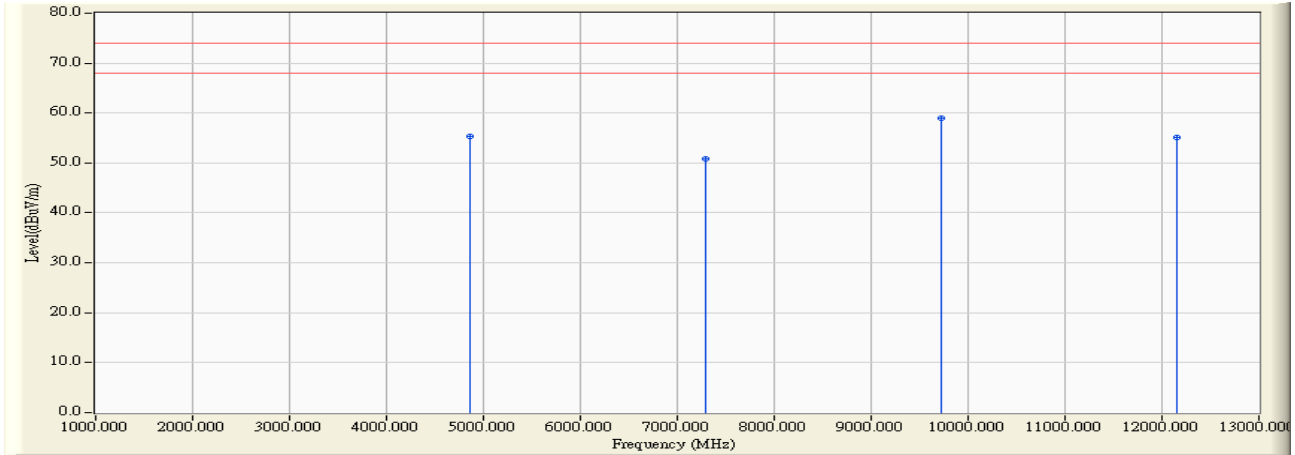


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9728.520	16.902	28.570	45.472	-8.498	54	AVERAGE
2		12160.720	20.855	22.330	43.186	-10.784	54	AVERAGE

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 15:35
Limit : FCC_SpartC_15.249_H_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - VERTICAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH2

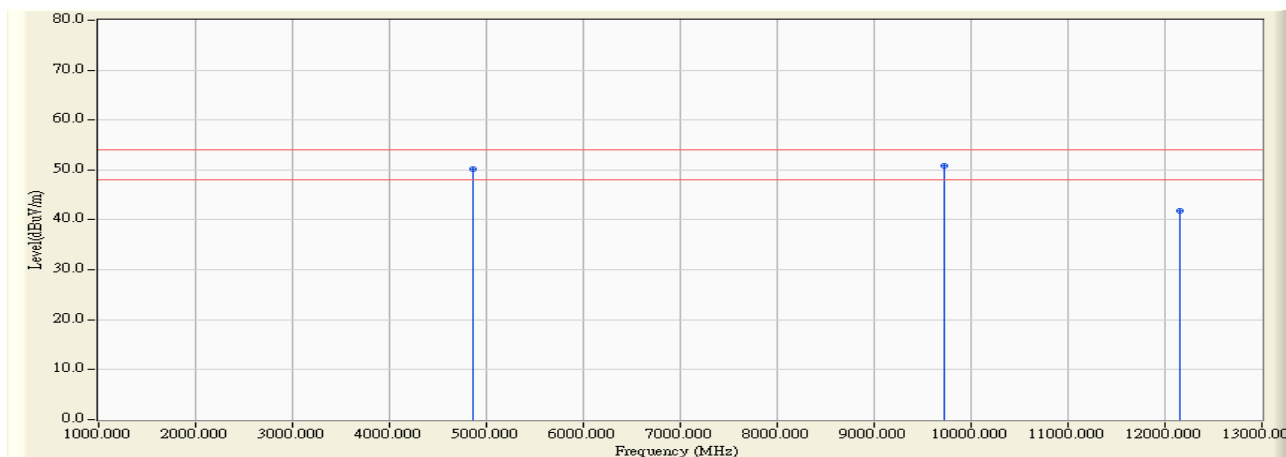


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4864.160	7.651	47.590	55.241	-18.729	74	PEAK
2	7296.400	10.934	39.920	50.853	-23.117	74	PEAK
3	* 9728.440	17.083	41.820	58.903	-15.067	74	PEAK
4	12160.920	19.805	35.400	55.206	-18.764	74	PEAK

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 15:43
Limit : FCC_SpartC_15.249_H_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - VERTICAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH2

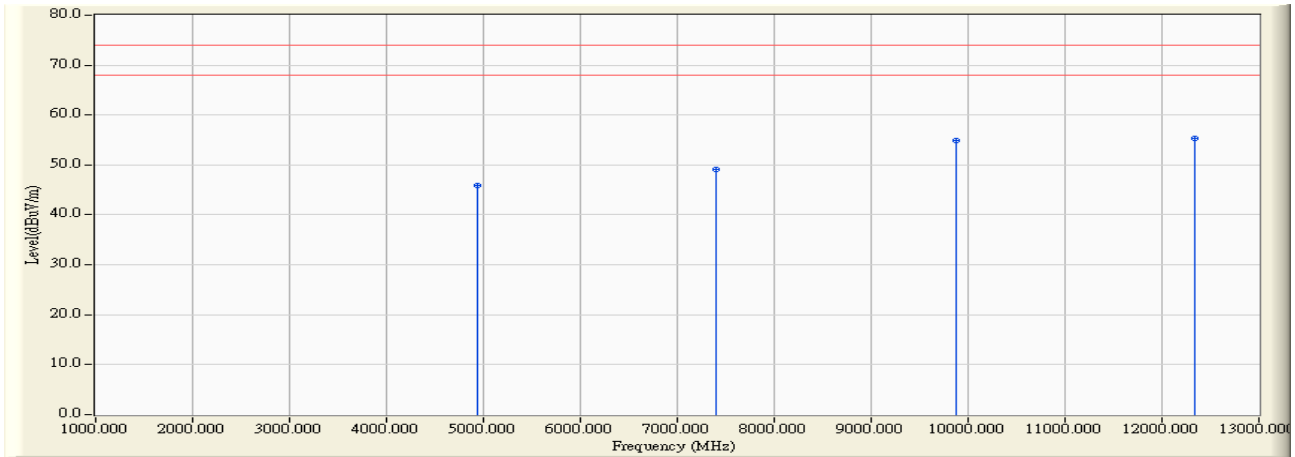


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4864.240	7.651	42.470	50.121	-3.849	54	AVERAGE
2	* 9728.600	17.083	33.730	50.814	-3.156	54	AVERAGE
3	12160.680	19.806	22.080	41.887	-12.083	54	AVERAGE

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 16:31
Limit : FCC_SpartC_15.249_H_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH4

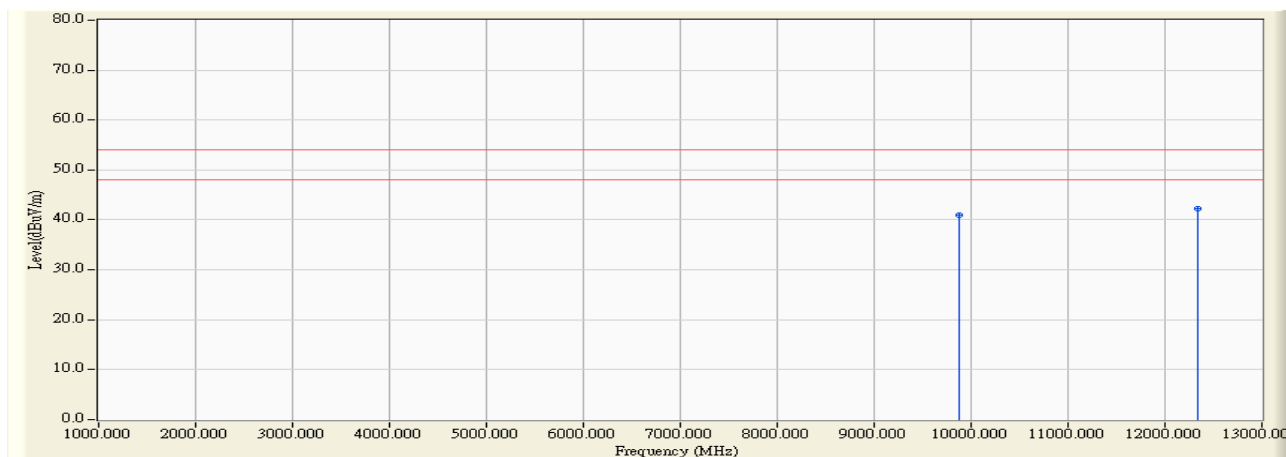


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4936.360	5.737	40.180	45.917	-28.053	74	PEAK
2	7404.480	12.151	36.910	49.061	-24.909	74	PEAK
3	9872.400	17.716	37.240	54.957	-19.013	74	PEAK
4	* 12340.520	19.971	35.270	55.241	-18.729	74	PEAK

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 16:31
Limit : FCC_SpartC_15.249_H_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH4

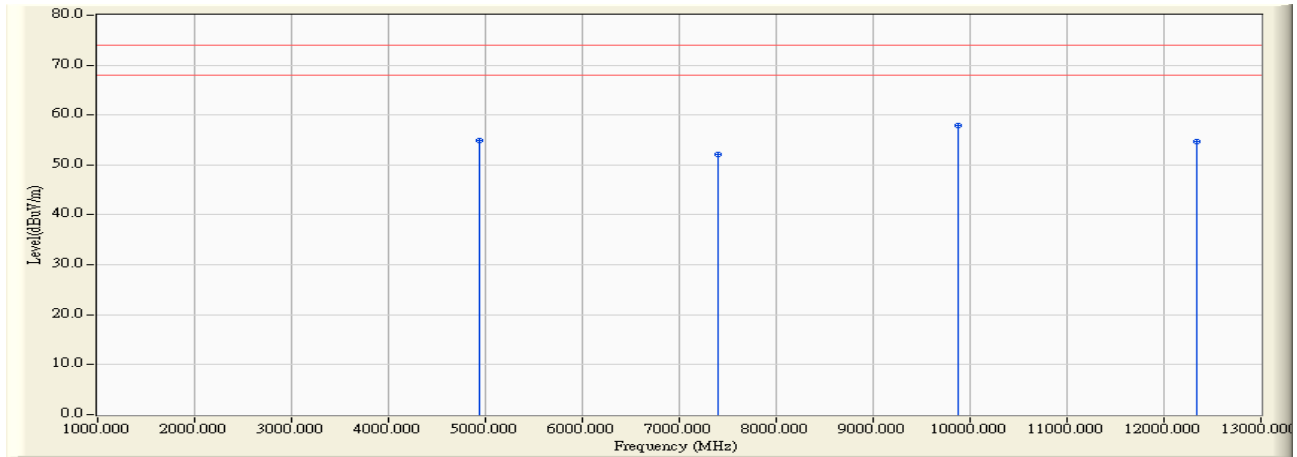


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		9872.280	17.716	23.250	40.966	-13.004	54	AVERAGE
2	*	12340.160	19.974	22.240	42.213	-11.757	54	AVERAGE

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 16:42
Limit : FCC_SpartC_15.249_H_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - VERTICAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH4

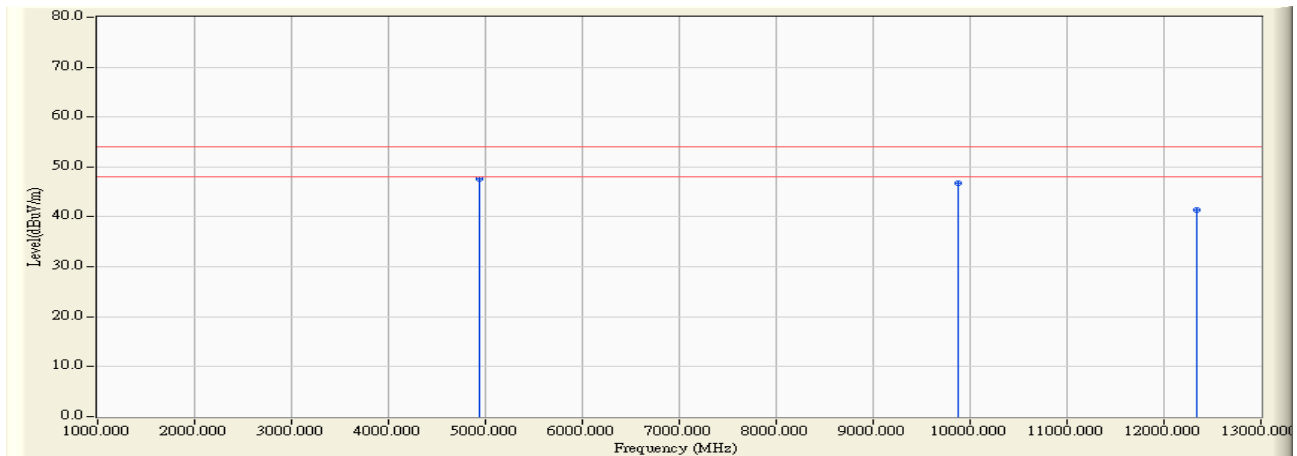


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	4933.120	7.645	47.190	54.836	-19.134	74	PEAK
2	7404.120	11.279	40.920	52.199	-21.771	74	PEAK
3	* 9872.160	18.035	39.810	57.845	-16.125	74	PEAK
4	12340.120	19.290	35.480	54.770	-19.200	74	PEAK

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 16:43
Limit : FCC_SpartC_15.249_H_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - VERTICAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH4



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4936.120	7.646	40.060	47.705	-6.265	54	AVERAGE
2		9871.920	18.033	28.780	46.813	-7.157	54	AVERAGE
3		12340.080	19.291	22.060	41.350	-12.620	54	AVERAGE

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

4. Band Edge

4.1. Test Equipment

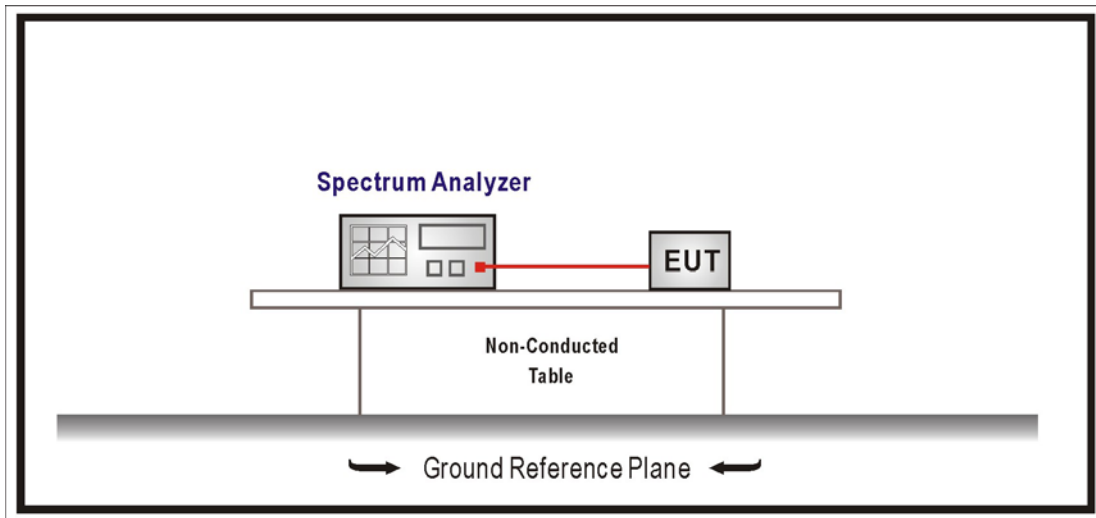
The following test equipment are used during the test:

RF Conducted Measurement:				
Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Mar., 2008
2	No.1 OATS			Sep., 2008
RF Radiated Measurement:				
Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	X Spectrum Analyzer	R & S	FSP40 / 100005	Aug., 2008
2	X Pre-Amplifier	HP	8449B / 3008A01123	Feb., 2009
3	Loop Antenna	R & S	HFH2-Z2 / 833799/004	Sep., 2008
4	BiconiLog Antenna	Schwarzbeck	VULB 9166 / 1061	Sep., 2008
5	Bilog Antenna	Chase	CBL6112B / 2455	Sep., 2008
6	X Horn Antenna	Schwarzbeck	BBHA 9120D / BBHA9120D312	Sep., 2008
7	No.1 OATS			Sep., 2008

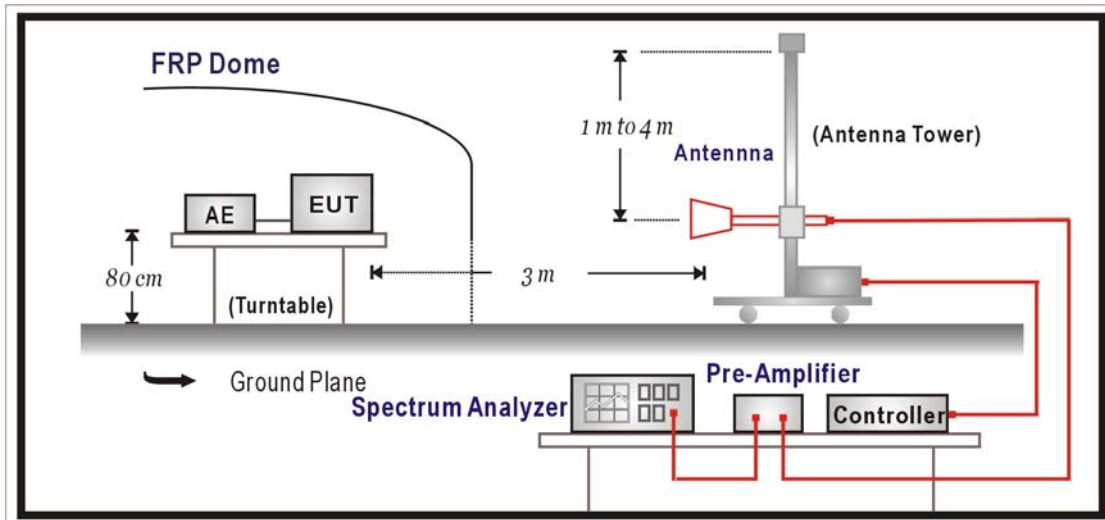
- Note: 1. All equipments that need to calibrate are with calibration period of 1 year.
 2. Mark "X" test instruments are used to measure the final test results.

4.2. Test Setup

RF Conducted Measurement:



RF Radiated Measurement:



4.3. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 50 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

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 according to ANSI C63.4:2003 on radiated measurement.

The bandwidth below 1GHz setting on the field strength meter is 120 kHz, above 1GHz are 1 MHz.

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.249: 2007

4.6. Uncertainty

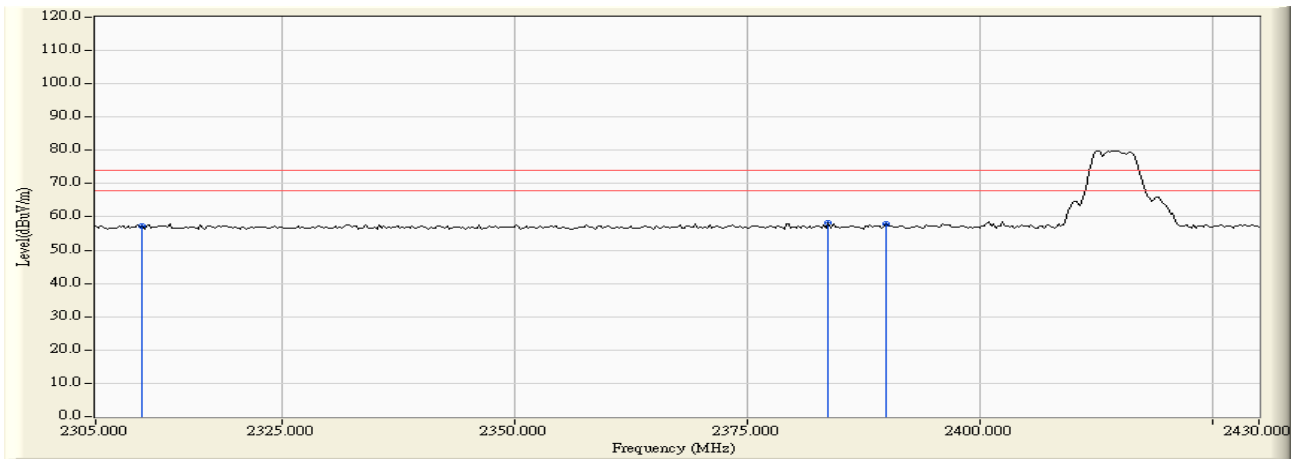
The measurement uncertainty

Conducted is defined as $\pm 1.27\text{dB}$

Radiated is defined as $\pm 3.9\text{dB}$

4.7. Test Result

Site : Site 1	Time : 2009/02/17 - 19:32
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH1

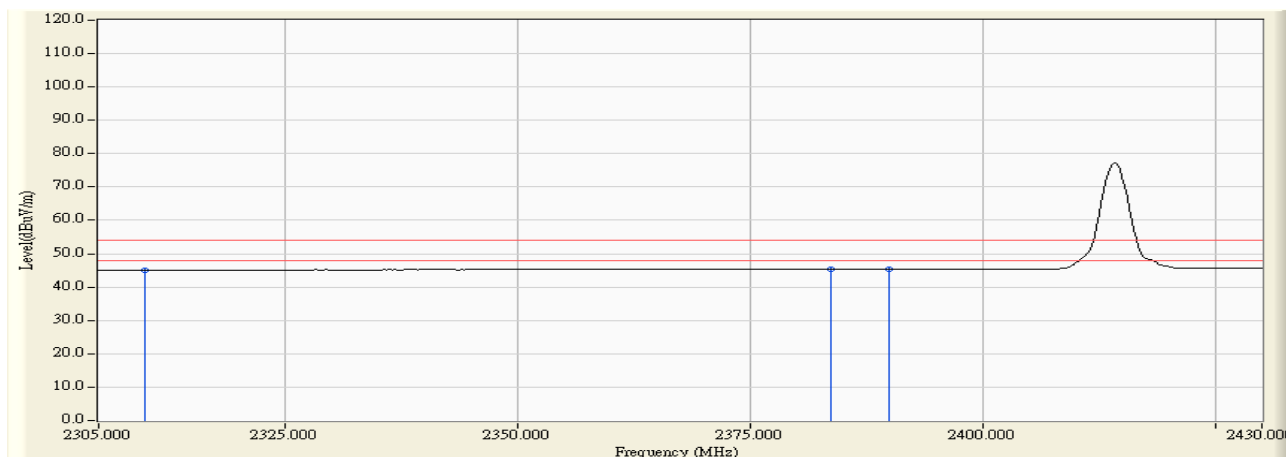


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	31.658	25.754	57.411	-16.589	74.000	PEAK
2	* 2383.750	32.006	26.144	58.149	-15.851	74.000	PEAK
3	2390.000	32.036	26.025	58.061	-15.939	74.000	PEAK

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 19:34
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH1

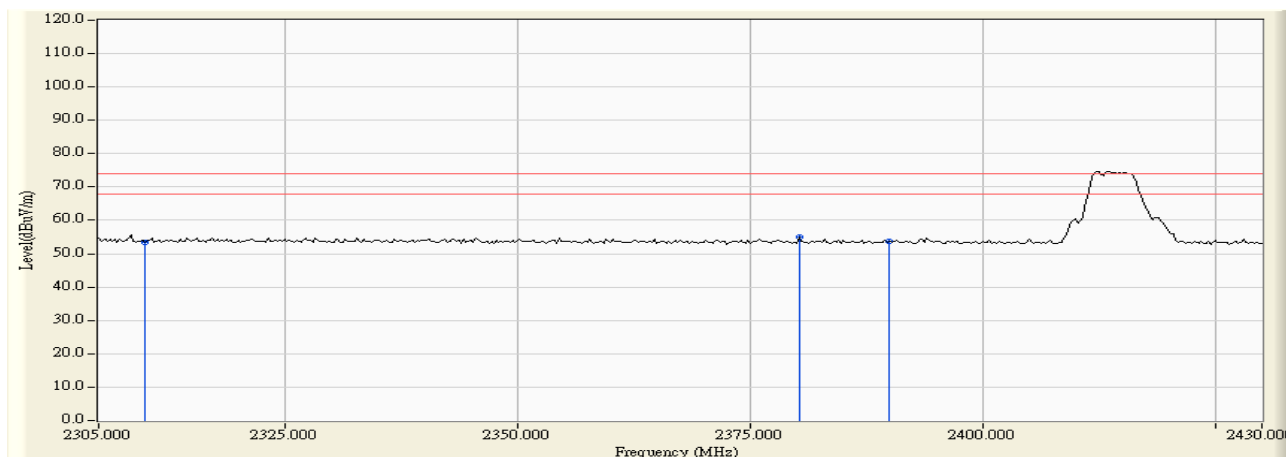


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	31.658	13.486	45.143	-8.857	54.000	AVERAGE
2		2383.750	32.006	13.340	45.345	-8.655	54.000	AVERAGE
3	*	2390.000	32.036	13.387	45.423	-8.577	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 20:18
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - VERTICAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH1

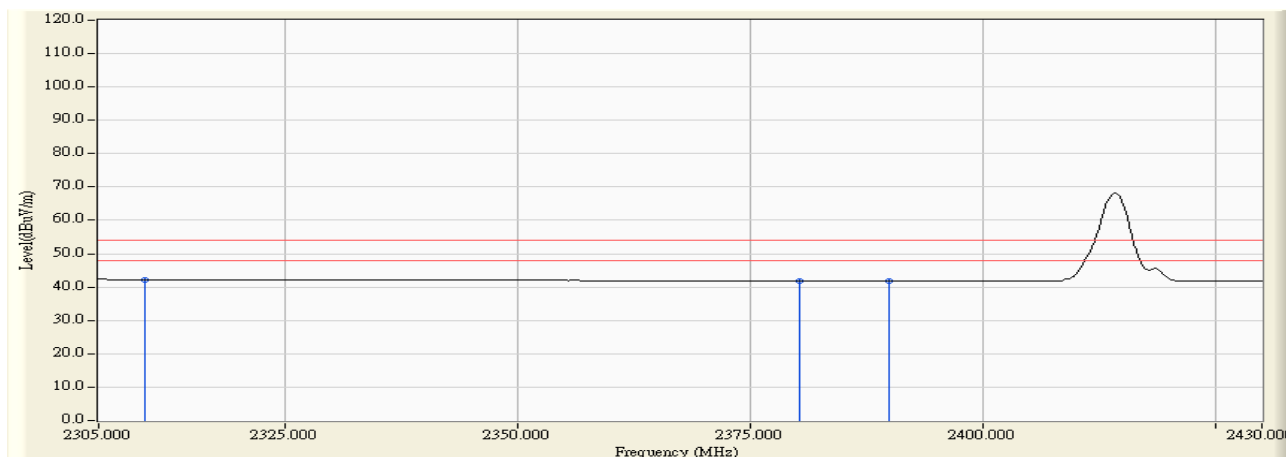


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	28.738	24.805	53.542	-20.458	74.000	PEAK
2	* 2380.250	28.501	26.380	54.881	-19.119	74.000	PEAK
3	2390.000	28.470	25.191	53.661	-20.339	74.000	PEAK

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 20:19
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - VERTICAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH1

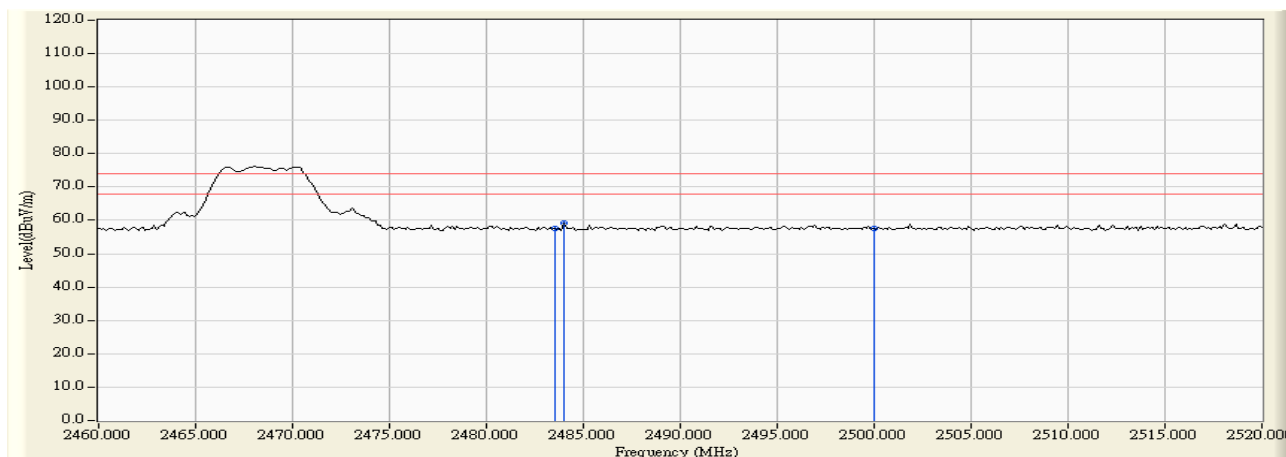


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2310.000	28.738	13.538	42.275	-11.725	54.000	AVERAGE
2		2380.250	28.501	13.384	41.885	-12.115	54.000	AVERAGE
3		2390.000	28.470	13.414	41.884	-12.116	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 20:28
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH4

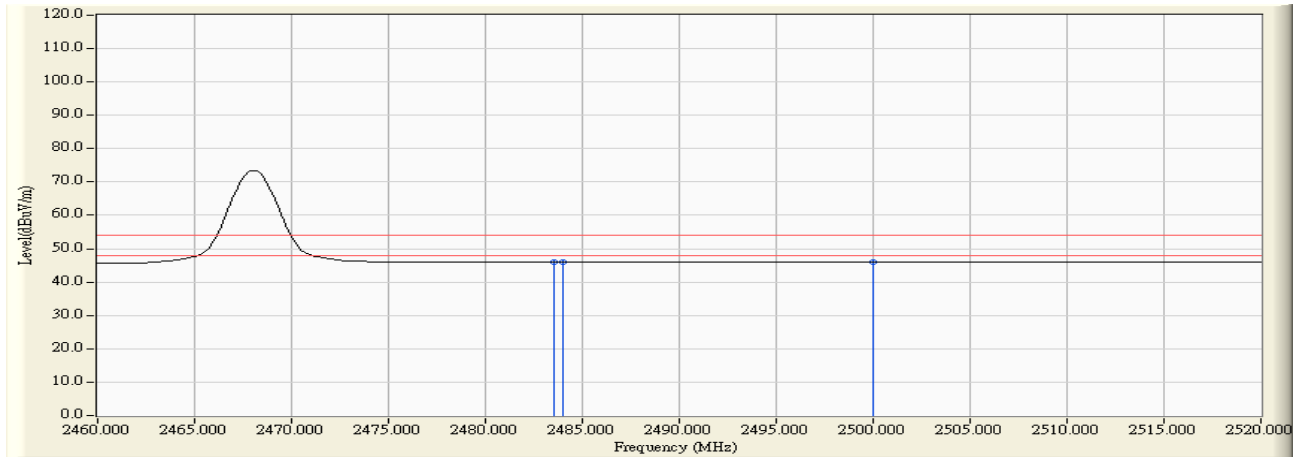


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	32.480	25.060	57.540	-16.460	74.000	PEAK
2	* 2484.000	32.482	26.621	59.103	-14.897	74.000	PEAK
3	2500.000	32.557	25.051	57.609	-16.391	74.000	PEAK

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 20:28
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - HORIZONTAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH4

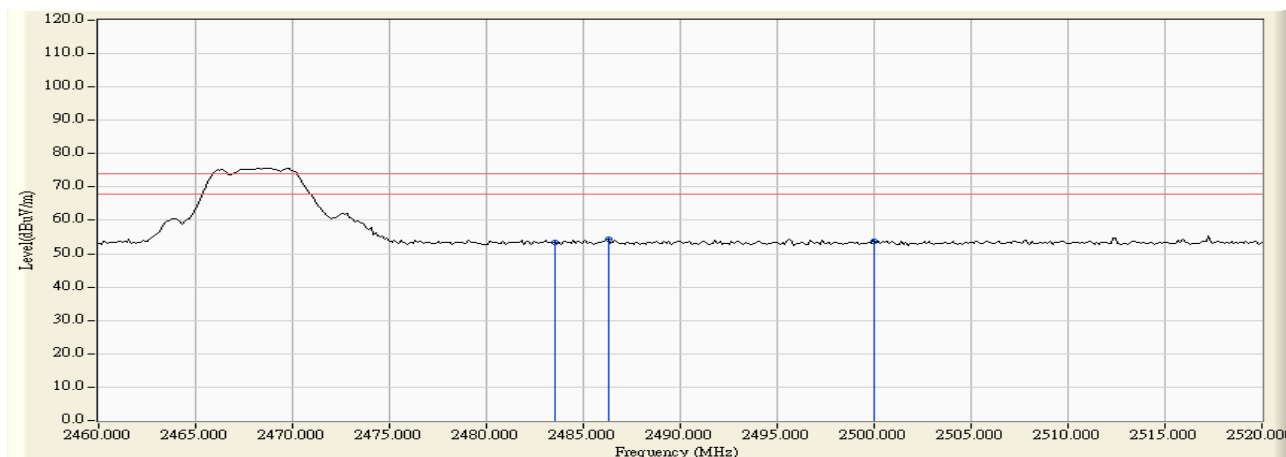


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	32.480	13.430	45.910	-8.090	54.000	AVERAGE
2		2484.000	32.482	13.437	45.919	-8.081	54.000	AVERAGE
3	*	2500.000	32.557	13.404	45.962	-8.038	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 20:09
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - VERTICAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH4

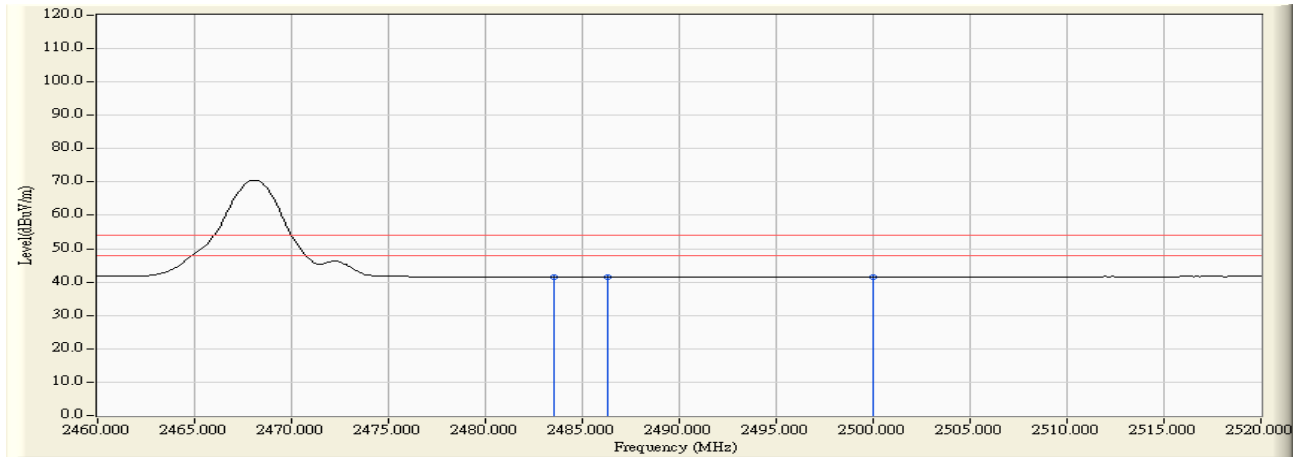


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	28.156	25.371	53.526	-20.474	74.000	PEAK
2	* 2486.280	28.144	26.182	54.327	-19.673	74.000	PEAK
3	2500.000	28.142	25.728	53.870	-20.130	74.000	PEAK

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : Site 1	Time : 2009/02/17 - 20:10
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB4_FCC_1-18G(2009-01) - VERTICAL	Power : AC 120V/60Hz
EUT : Handheld Microscope	Note : CH4



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	28.156	13.430	41.585	-12.415	54.000	AVERAGE
2		2486.280	28.144	13.421	41.566	-12.434	54.000	AVERAGE
3		2500.000	28.142	13.411	41.553	-12.447	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Peak, above are performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.