FCC TEST REPORT

According to

FCC CFR Title 47 Part 15 Subpart C

Applicant	:	Hannspree Inc.
Address	:	4F.,No.48,Wucyuan Rd.,Wugu Industrial Zone,Taipei County 248,Taiwan
Manufacture	:	WANLIDA GROUP CO., LTD
Address	:	WANLIDA INDUSTRY ZONE, NANJING ,FUJIAN, CHINA.
Equipment	:	HANNSpad
Model No.	:	HSG1164
FCC ID	:	VD2-HSG1164

Table of Contents

Document history

Attachment No.	Date	Description
SEFI1010029-W	Nov 13, 2010	First issue

FCC TEST REPORT

according to

FCC CFR Title 47 Part 15 Subpart C

Applicant	:	Hannspree Inc.
Address	:	4F.,No.48,Wucyuan Rd.,Wugu Industrial Zone,Taipei County 248,Taiwan
Manufacture	:	WANLIDA GROUP CO., LTD
Address	:	WANLIDA INDUSTRY ZONE, NANJING ,FUJIAN, CHINA.
Equipment	:	HANNSpad
Model No.	:	HSG1164

I **HEREBY** CERTIFY THAT :

The measurements shown in this test report were made in accordance with the procedures given in **ANSI C63.4 – 2003** and the energy emitted by this equipment was ***passed*** **CISPR PUB. 22 and FCC Part 15** in both radiated and conducted emission class B limits. Testing was carried out on Nov 10, 2010 at ***Cerpass Technology Corp.***

Documented By:

Cathy Chen

Cathy Chen/ Administration

Approved By:

Clinton Kao

Clinton Kao / Technical director

1. Report of Measurements and Examinations

FCC CFR Title 47 Part 15 Subpart C ANSI C63.4: 2003			
Clause	Test Parameter	Test Performed	Remark
15.207	Conducted Emission	YES	PASS
15.209	Radiated Emission	YES	PASS
15.247(a) 15.215(c)	Occupied Bandwidth	YES	PASS
15.247(b)	Maximum Peak Output Power	YES	PASS
15.247(d)	Band Edges	YES	PASS
15.247(d)	Power Spectral Density	YES	PASS

2. Test Configuration of Equipment under Test

2.1. Feature of Equipment under Test

HANNSpad	Model No:	HSG1164
	POWER SOURCE:	DC 12V⎓2A
	POWER CONSUMPTION:	<24W
AC ADAPTER	Model No:	MPA-630
	Input:	100-240V~ 1A 50/60Hz
	Output:	12V⎓2A
Power Supply Cable	Non-Shielded, 1.5m, with one ferrite core bonded.	
USB Cable	Shielded, 1.0m	
Remark	This equipment with three panels, HSD101PFW3-A00, HSD101PFW3-B00 and B101AW06. They are identical except the model name and connect port. There panels have been pre-tested. HSD101PFW3-A00 has demonstrated the worst case emissions. Therefore, HSD101PFW3-A00 was selected as the test model in this test report. For the detail information please reference to the FCC DOC Report.	

WLAN	
Spreading	802.11b: DSSS 802.11g / n: OFDM
Frequency Range	802.11b/g/n(20MHz): 2412-2462MHz
Number of Channels	802.11b/g/n (20MHz):11
Data Rate	802.11b: 11, 5.5, 2, 1 Mbps 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11n: up to 130Mbps
Antenna Type	PIFA
Antenna Gain	1.0 dBi

2.2. Carrier Frequency of Channels

802.11b, 802.11g, 802.11n (20MHz)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
01	2412	07	2442
02	2417	08	2447
03	2422	09	2452
04	2427	10	2457
05	2432	11	2462
06	2437	---	---

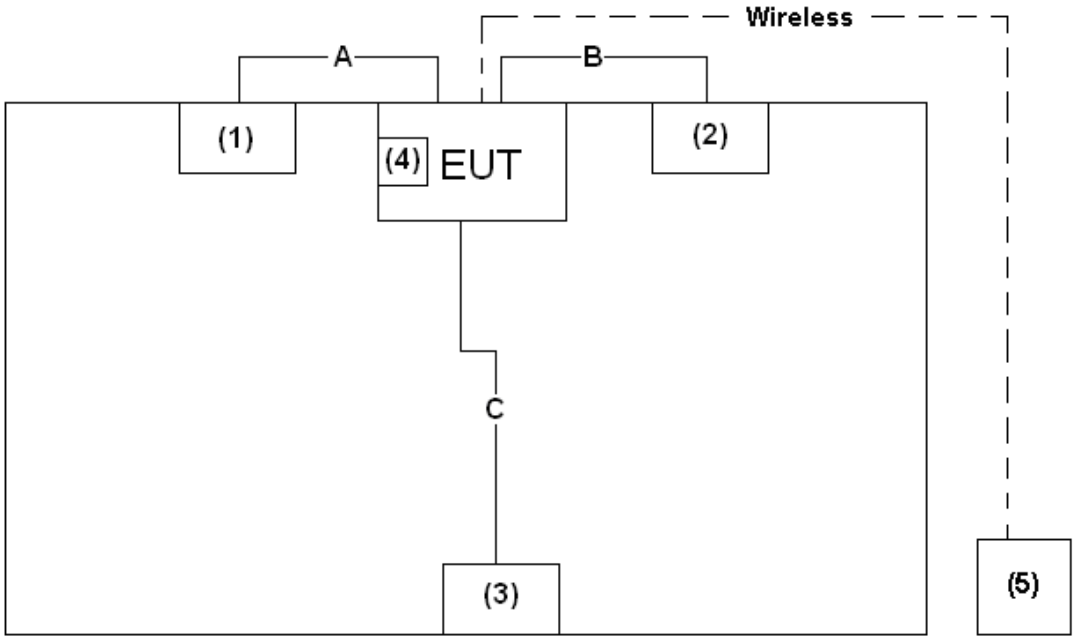
2.3. T est Manner

Test Manner	
a	During testing, the interface cables and equipment positions were varied according to 47 CFR, Part 2, Part 15
b	The complete test system included the LCD Monitor, Notebook, Earphone, Mini SD Card, Notebook and EUT.
c	Setup the test channel and the test mode press ok to start the Continue Transmit.
The test modes:	
	Mode 1: Transmit by 802.11b
	Mode 2: Transmit by 802.11g
	Mode 3: Transmit by 802.11n (20MHz)
	Mode 4: Receiver by 802.11b
	Mode 5: Receiver by 802.11g
	Mode 6: Receiver by 802.11n (20MHz)

2.4. Description of Test System

No.	Device	Manufacturer	Model No.	Description
1	LCD Monitor	DELL	3008WFPt	N/A
2	Notebook	ASUS	W6A	Power by adaptor
3	Earphone	Apple	N/A	N/A
4	Mini SD Card	Sandisk	N/A	N/A
5	Notebook	SONY	M961	N/A

2.5. Connection Diagram of Test System



Use Cable

Item	Cable	Quantity	Description
A	HDMI Cable	1	Shielded, 1.8m, with two ferrite core bonded.
B	USB Cable	1	Shielded, 1.0m
C	Audio Cable	1	Non-shielded, 1.2m

＊ The EUT keeps to transmit and receive data to remote workstation by Wireless.

2.6. General Information of Test

Test Site:	Cerpass Technology Corp.
Performand Location :	No.66,Tangzhuang Road, Suzhou Industrial Park, Jiangsu 215006, China
NVLAP LAB Code :	200814-0
FCC Registration Number :	916572, 331395
IC Registration Number :	7290A-1, 7290A-2
VCCI Registration Number :	T-343 for Telecommunication Test C-2919 for Conducted emission test R-2670 for Radiated emission test below 1GHz G-227 for Radiated emission test above 1GHz

Laboratory accreditation

2.7. Measurement Uncertainty

Measurement Item	Measurement Frequency	Polarization	Uncertainty
Conducted Emission	9 kHz ~ 30 MHz	LINE/NEUTRAL	±2.71 dB
Radiated Emission	30 MHz ~ 25GHz	Vertical	±4.11 dB
		Horizontal	±4.10 dB
Occupied Bandwidth	---	---	±7500 Hz
Maximum Peak Output Power	---	---	±1.4 dB
Band Edges	---	---	±2.2 dB
Power Spectral Density	---	---	±2.2 dB

3. Test of Conducted Emission

3.1. T est Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 120 VAC power and return leads of the EUT according to the methods defined in ANSI C63.4-2003 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown in section 2.2. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

Frequency (MHz)	Quasi Peak (dB μ V)	Average (dB μ V)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

*Decreases with the logarithm of the frequency.

3.2. T est Procedures

The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

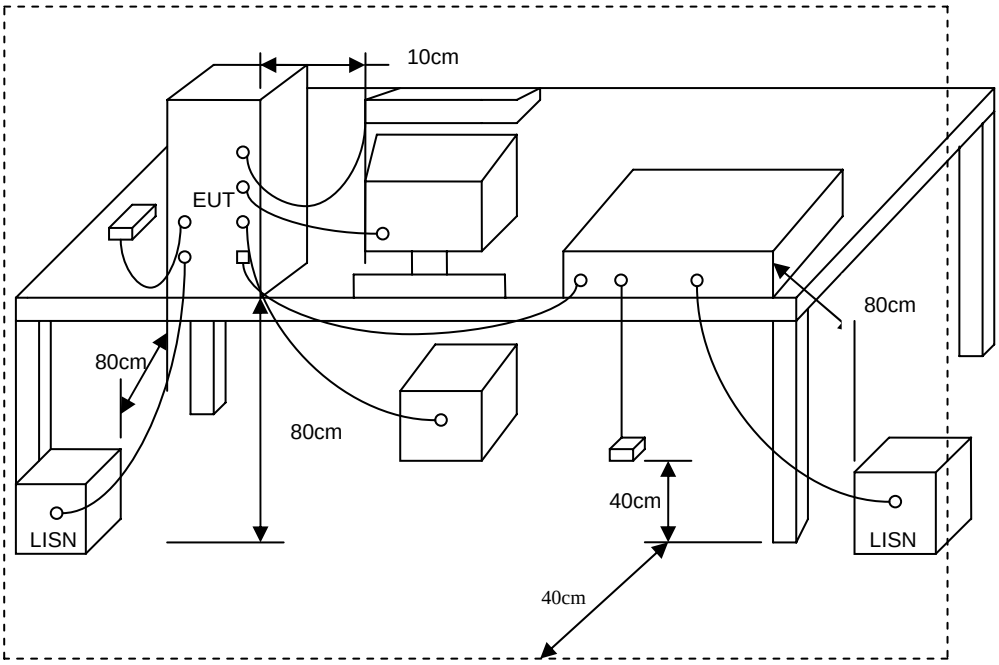
The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are 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.

3.3. Typical Test Setup

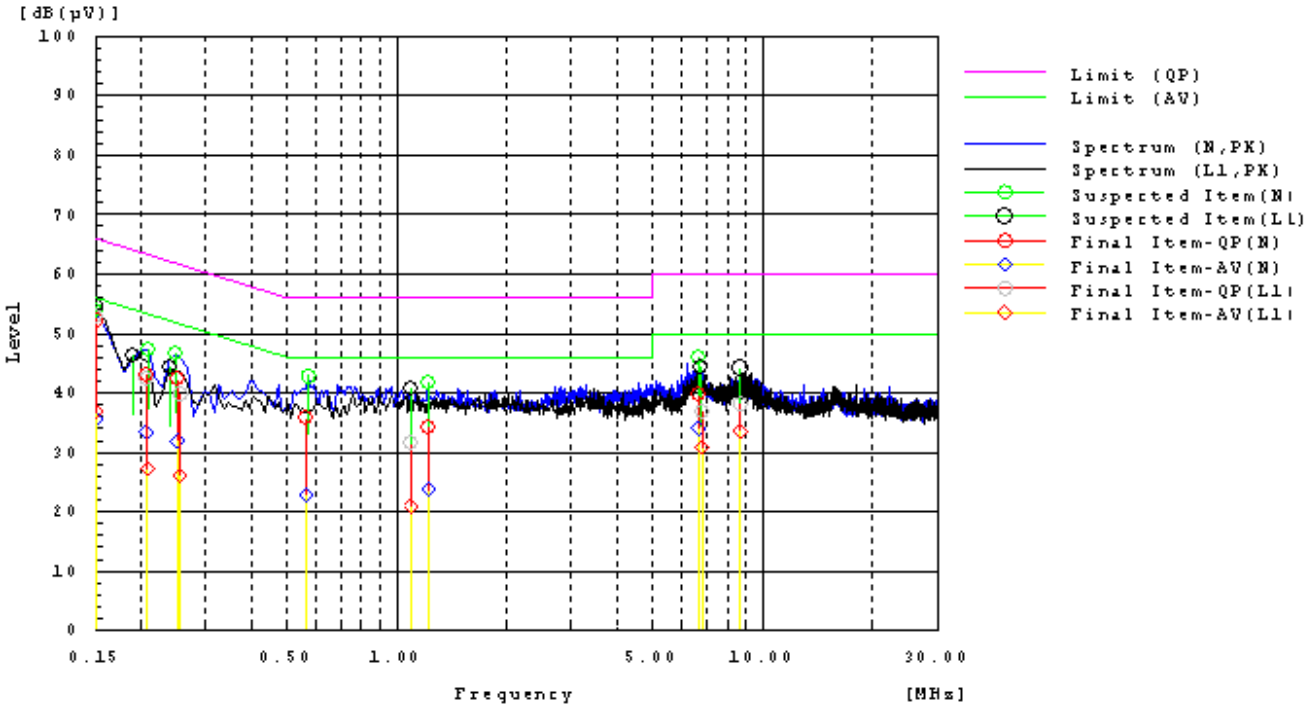


3.4. Measurement Equipment

Instrument	Manufacturer	Model No.	Serial No.	Calibration Date
Test Receiver	R&S	ESCI	100565	2010.01.15
AMN	R&S	ESH2-Z5	100182	2010.06.23
Two-Line V-Network	R&S	ENV216	100325	2010.04.18
ISN	FCC	FCC-TLISN-T2-02	20379	2010.06.23
ISN	FCC	FCC-TLISN-T4-02	20380	2010.06.23
ISN	FCC	FCC-TLISN-T8-02	20381	2010.06.23
Current Probe	R&S	EZ-17	100303	2010.06.23
Passive Voltage Probe	R&S	ESH2-Z3	100026	2010.08.14
Attenuator	R&S	ESH3-Z2	100529	2010.01.11
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-004	2010.08.14

3.5. Test Result and Data

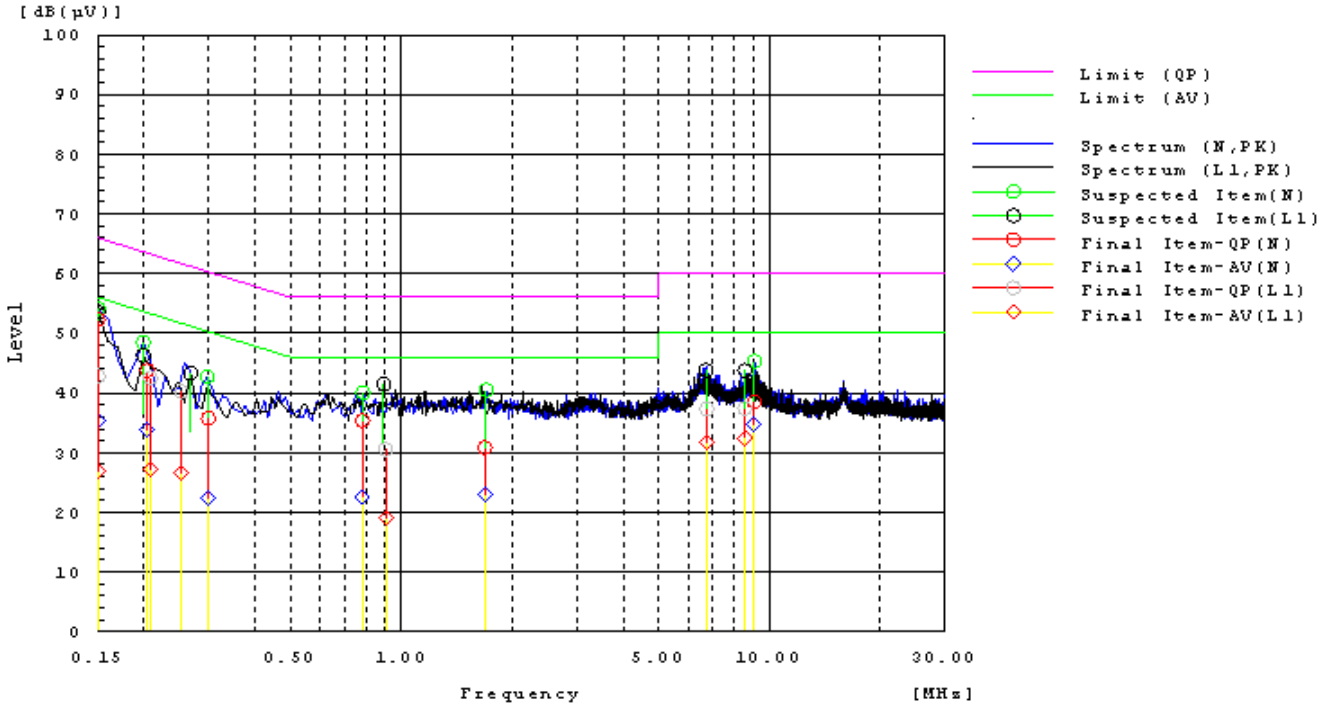
Test Mode :	Mode 1: Transmit by 802.11b (2437MHz)		
AC Power :	AC 120V/60Hz	Phase :	L&N
Temperature :	21°C	Humidity:	51%
Pressur(mbar) :	1002	Date:	2010/11/02



Frequency MHz	Line Phase	Reading dB(uV) QP	Reading dB(uV) AV	Factor dB	Level dB(uV) QP	Level dB(uV) AV	Limit dB(uV) QP	Limit dB(uV) AV	Margin dB QP	Margin dB AV	Pass/Fail
0.150	N	32.8	16.0	19.5	52.3	35.5	66.0	56.0	13.7	20.5	Pass
0.20636	N	23.6	13.9	19.5	43.1	33.4	63.4	53.4	20.3	20.0	Pass
6.668	N	20.0	14.3	19.7	39.7	34.0	60.0	50.0	20.3	16.0	Pass
0.56467	N	16.3	3.4	19.5	35.8	22.9	56.0	46.0	20.2	23.1	Pass
1.21845	N	14.9	4.4	19.4	34.3	23.8	56.0	46.0	21.7	22.2	Pass
0.2504	N	22.8	12.4	19.5	42.3	31.9	61.7	51.7	19.4	19.8	Pass
0.150	L1	32.8	16.9	19.9	52.7	36.8	66.0	56.0	13.3	19.2	Pass
0.20742	L1	22.6	7.4	19.9	42.5	27.3	63.3	53.3	20.8	26.0	Pass
6.8221	L1	17.1	11.2	19.7	36.8	30.9	60.0	50.0	23.2	19.1	Pass
8.6918	L1	18.5	13.8	19.7	38.2	33.5	60.0	50.0	21.8	16.5	Pass
1.0909	L1	11.7	1.3	19.7	31.4	21.0	56.0	46.0	24.6	25.0	Pass
0.25495	L1	20.0	6.2	19.9	39.9	26.1	61.6	51.6	21.7	25.5	Pass

Note: Measurement Level = Reading Level + Correct Factor

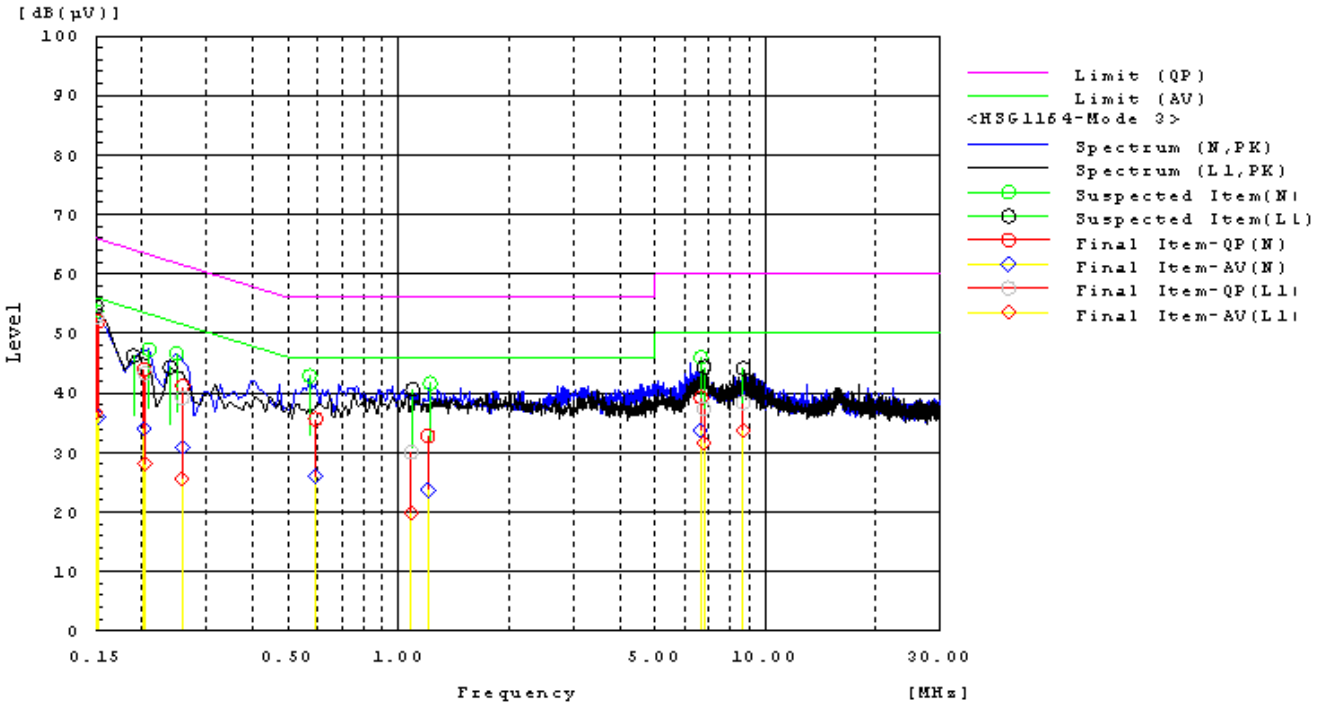
Test Mode :	Mode 2: Transmit by 802.11g (2437MHz)		
AC Power :	AC 120V/60Hz	Phase :	L&N
Temperature :	21°C	Humidity:	51%
Pressur(mbar) :	1002	Date:	2010/11/02



Frequency MHz	Line Phase	Reading dB(uV) QP	Reading dB(uV) AV	Factor dB	Level dB(uV) QP	Level dB(uV) AV	Limit dB(uV) QP	Limit dB(uV) AV	Margin dB QP	Margin dB AV	Pass/Fail
0.150	L1	32.8	16.9	10.0	42.8	26.9	66.0	56.0	23.2	29.1	Pass
0.20791	L1	22.7	7.4	19.9	42.6	27.3	63.3	53.3	20.7	26.0	Pass
6.7416	L1	17.6	12.0	19.7	37.3	31.7	60.0	50.0	22.7	18.3	Pass
0.90534	L1	10.7	-0.7	19.8	30.5	19.1	56.0	46.0	25.5	26.9	Pass
0.25311	L1	20.3	6.7	19.9	40.2	26.6	61.7	51.7	21.5	25.1	Pass
8.5614	L1	17.7	12.8	19.7	37.4	32.5	60.0	50.0	22.6	17.5	Pass
0.150	N	32.8	16.0	19.5	52.3	35.5	66.0	56.0	13.7	20.5	Pass
0.20384	N	24.3	14.4	19.5	43.8	33.9	63.5	53.5	19.7	19.6	Pass
9.0868	N	18.7	14.9	19.8	38.5	34.7	60.0	50.0	21.5	15.3	Pass
1.68415	N	11.3	3.5	19.5	30.8	23.0	56.0	46.0	25.2	23.0	Pass
0.2988	N	16.3	3.0	19.5	35.8	22.5	60.3	50.3	24.5	27.8	Pass
0.78428	N	15.9	3.1	19.5	35.4	22.6	56.0	46.0	20.6	23.4	Pass

Note: Measurement Level = Reading Level + Correct Factor

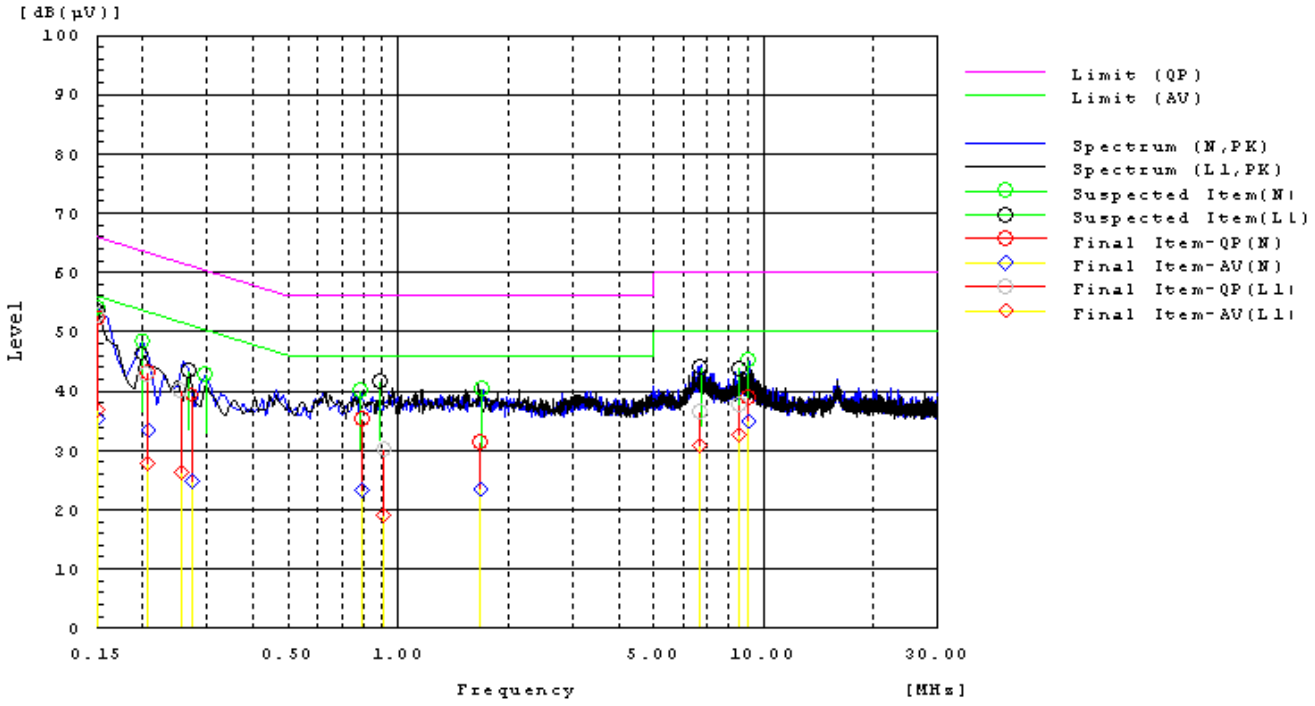
Test Mode :	Mode 3: Transmit by 802.11n (2437MHz)		
AC Power :	AC 120V/60Hz	Phase :	L&N
Temperature :	21°C	Humidity:	51%
Pressur(mbar) :	1002	Date:	2010/11/02



Frequency MHz	Line Phase	Reading dB(uV) QP	Reading dB(uV) AV	Factor dB	Level dB(uV) QP	Level dB(uV) AV	Limit dB(uV) QP	Limit dB(uV) AV	Margin dB QP	Margin dB AV	Pass/Fail
0.150	N	32.8	16.3	19.5	52.3	35.8	66.0	56.0	13.7	20.2	Pass
0.20257	N	24.5	14.6	19.5	44.0	34.1	63.5	53.5	19.5	19.4	Pass
9.0856	N	19.0	15.1	19.8	38.8	34.9	60.0	50.0	21.2	15.1	Pass
1.70753	N	12.5	3.4	19.5	32.0	22.9	56.0	46.0	24.0	23.1	Pass
0.30016	N	16.2	3.2	19.5	35.7	22.7	60.2	50.2	24.5	27.5	Pass
0.7677	N	14.8	2.2	19.5	34.3	21.7	56.0	46.0	21.7	24.3	Pass
0.150	L1	32.8	16.8	19.9	52.7	36.7	66.0	56.0	13.3	19.3	Pass
0.20403	L1	23.2	8.2	19.9	43.1	28.1	63.4	53.4	20.3	25.3	Pass
6.713	L1	17.3	11.7	19.7	37.0	31.4	60.0	50.0	23.0	18.6	Pass
0.88963	L1	9.9	-1.1	19.8	29.7	18.7	56.0	46.0	26.3	27.3	Pass
0.25292	L1	20.4	6.7	19.9	40.3	26.6	61.7	51.7	21.4	25.1	Pass
8.5606	L1	17.6	12.7	19.7	37.3	32.4	60.0	50.0	22.7	17.6	Pass

Note: Measurement Level = Reading Level + Correct Factor

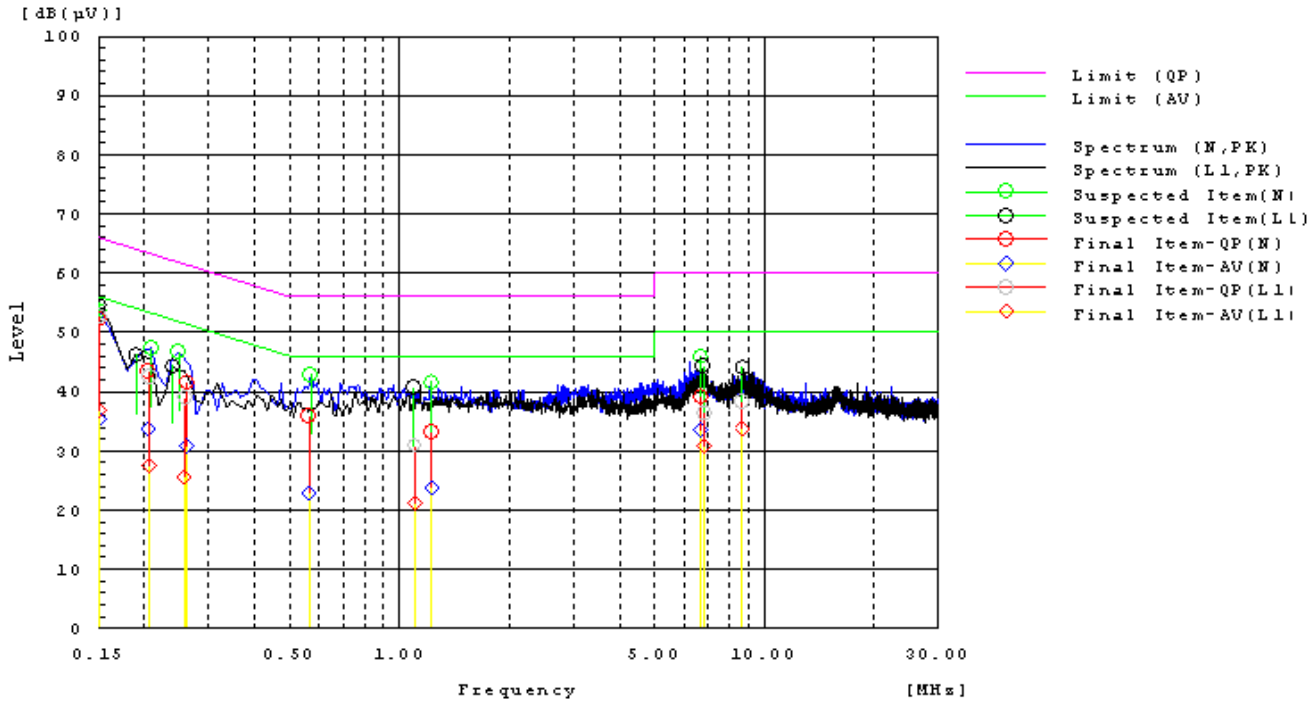
Test Mode :	Mode 4: Receiver by 802.11b (2437MHz)		
AC Power :	AC 120V/60Hz	Phase :	L&N
Temperature :	21°C	Humidity:	51%
Pressur(mbar) :	1002	Date:	2010/11/02



Frequency MHz	Line Phase	Reading dB(uV) QP	Reading dB(uV) AV	Factor dB	Level dB(uV) QP	Level dB(uV) AV	Limit dB(uV) QP	Limit dB(uV) AV	Margin dB QP	Margin dB AV	Pass/Fail
0.150	N	32.9	16.0	19.5	52.4	35.5	66.0	56.0	13.6	20.5	Pass
0.20684	N	23.6	13.9	19.5	43.1	33.4	63.3	53.3	20.2	19.9	Pass
0.2727	N	19.8	5.3	19.5	39.3	24.8	61.0	51.0	21.7	26.2	Pass
0.79573	N	15.9	3.9	19.5	35.4	23.4	56.0	46.0	20.6	22.6	Pass
1.67911	N	11.7	3.9	19.5	31.2	23.4	56.0	46.0	24.8	22.6	Pass
9.0854	N	19.1	15.2	19.8	38.9	35.0	60.0	50.0	21.1	15.0	Pass
0.150	L1	33.0	17.1	19.9	52.9	37.0	66.0	56.0	13.1	19.0	Pass
0.20558	L1	22.8	7.9	19.9	42.7	27.8	63.4	53.4	20.7	25.6	Pass
0.25447	L1	20.1	6.4	19.9	40.0	26.3	61.6	51.6	21.6	25.3	Pass
0.91271	L1	10.4	-0.8	19.8	30.2	19.0	56.0	46.0	25.8	27.0	Pass
6.6959	L1	16.8	11.1	19.7	36.5	30.8	60.0	50.0	23.5	19.2	Pass
8.5644	L1	17.9	13.0	19.7	37.6	32.7	60.0	50.0	22.4	17.3	Pass

Note: Measurement Level = Reading Level + Correct Factor

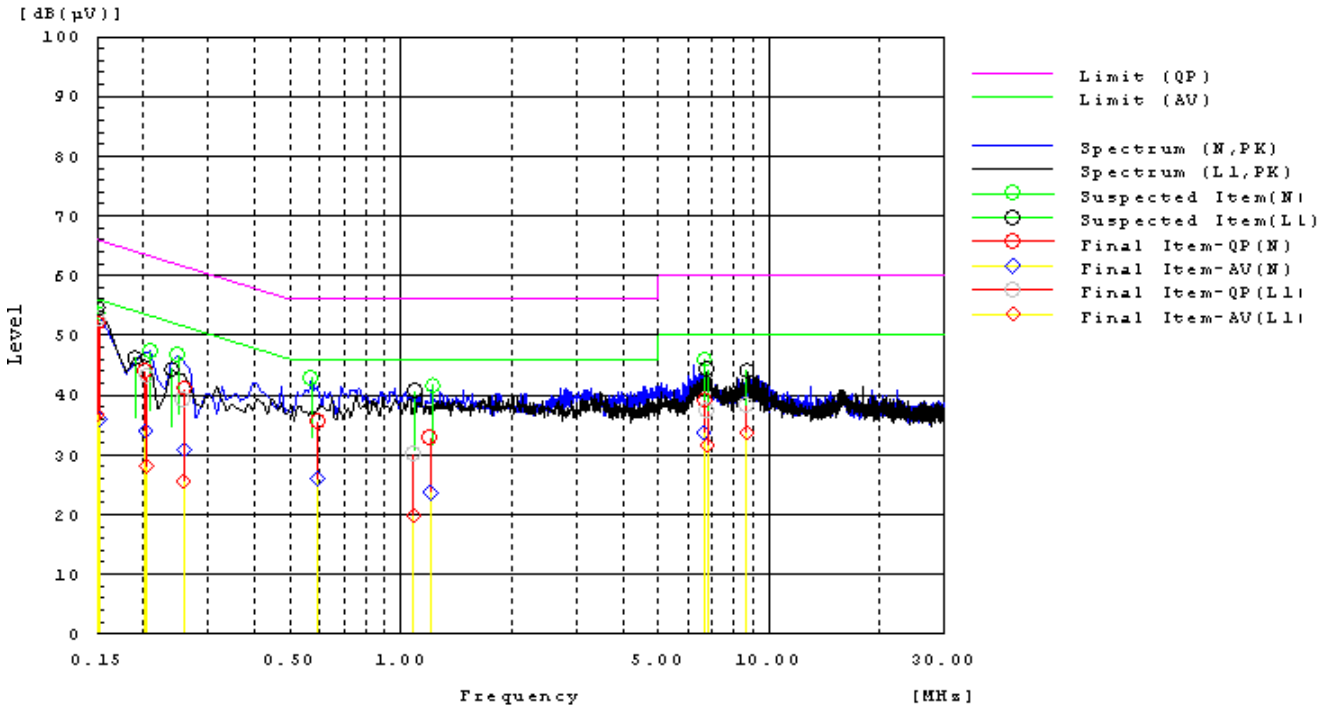
Test Mode :	Mode 5: Receiver by 802.11g (2437MHz)		
AC Power :	AC 120V/60Hz	Phase :	L&N
Temperature :	21°C	Humidity:	51%
Pressur(mbar) :	1002	Date:	2010/11/02



Frequency MHz	Line Phase	Reading dB(uV) QP	Reading dB(uV) AV	Factor dB	Level dB(uV) QP	Level dB(uV) AV	Limit dB(uV) QP	Limit dB(uV) AV	Margin dB QP	Margin dB AV	Pass/Fail
0.150	L1	32.9	17.1	19.9	52.8	37.0	66.0	56.0	13.2	19.0	Pass
0.20616	L1	22.6	7.6	19.9	42.5	27.5	63.4	53.4	20.9	25.9	Pass
6.815	L1	16.7	11.2	19.7	36.4	30.9	60.0	50.0	23.6	19.1	Pass
8.694	L1	18.5	14.2	19.7	38.2	33.9	60.0	50.0	21.8	16.1	Pass
1.10108	L1	11.1	1.6	19.7	30.8	21.3	56.0	46.0	25.2	24.7	Pass
0.25748	L1	19.1	5.7	19.9	39.0	25.6	61.5	51.5	22.5	25.9	Pass
0.150	N	32.8	16.0	19.5	52.3	35.5	66.0	56.0	13.7	20.5	Pass
0.2049	N	24.0	14.2	19.5	43.5	33.7	63.4	53.4	19.9	19.7	Pass
6.6702	N	19.5	13.8	19.7	39.2	33.5	60.0	50.0	20.8	16.5	Pass
0.56506	N	16.3	3.3	19.5	35.8	22.8	56.0	46.0	20.2	23.2	Pass
1.22379	N	13.7	4.4	19.4	33.1	23.8	56.0	46.0	22.9	22.2	Pass
0.26068	N	22.2	11.5	19.5	41.7	31.0	61.4	51.4	19.7	20.4	Pass

Note: Measurement Level = Reading Level + Correct Factor

Test Mode :	Mode 6: Receiver by 802.11n (2437MHz)		
AC Power :	AC 120V/60Hz	Phase :	L&N
Temperature :	21°C	Humidity:	51%
Pressur(mbar) :	1002	Date:	2010/11/02



Frequency MHz	Line Phase	Reading dB(uV) QP	Reading dB(uV) AV	Factor dB	Level dB(uV) QP	Level dB(uV) AV	Limit dB(uV) QP	Limit dB(uV) AV	Margin dB QP	Margin dB AV	Pass/Fail
0.15184	N	32.5	16.6	19.5	52.0	36.1	65.9	55.9	13.9	19.8	Pass
0.20219	N	24.4	14.5	19.5	43.9	34.0	63.5	53.5	19.6	19.5	Pass
6.6646	N	19.5	14.0	19.7	39.2	33.7	60.0	50.0	20.8	16.3	Pass
0.59513	N	16.1	6.6	19.5	35.6	26.1	56.0	46.0	20.4	19.9	Pass
1.20119	N	13.4	4.3	19.4	32.8	23.7	56.0	46.0	23.2	22.3	Pass
0.25767	N	21.7	11.4	19.5	41.2	30.9	61.5	51.5	20.3	20.6	Pass
0.150	L1	32.9	16.8	19.9	52.8	36.7	66.0	56.0	13.2	19.3	Pass
0.20325	L1	23.4	8.3	19.9	43.3	28.2	63.5	53.5	20.2	25.3	Pass
6.7325	L1	17.7	12.0	19.7	37.4	31.7	60.0	50.0	22.6	18.3	Pass
8.6931	L1	18.7	14.0	19.7	38.4	33.7	60.0	50.0	21.6	16.3	Pass
1.08169	L1	10.3	0.1	19.7	30.0	19.8	56.0	46.0	26.0	26.2	Pass
0.25709	L1	19.3	5.7	19.9	39.2	25.6	61.5	51.5	22.3	25.9	Pass

Note: Measurement Level = Reading Level + Correct Factor

4. Test of Radiated Emission

4.1. T est Limit

Radiated emissions from 30 MHz to 25 GHz were measured according to the methods defines in ANSI C63.4-2003. The EUT was placed, 0.8 meter above the ground plane, as shown in section 5.6.3. The interface cables and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions for unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency (MHz)	Distance Meters	Radiated (μ V / M)	Radiated (dB μ V/ M)
30-88	3	100	40.0
88-216	3	150	43.5
216-960	3	200	46.0
Above 960	3	500	54.0

For unintentional device, according to CISPR PUB.22, for Class B digital devices, the general requirement of field strength of radiated emissions from intentional radiators at a distance of 10 meters shall not exceed the below table.

Frequency (MHz)	Distance Meters	Radiated (dB μ V/ M)
30-230	10	30
230-1000	10	37

4.2. T est Procedures

The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test

procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

The EUT is placed on a turn table which is 0.8 meter above ground plane. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.4. The EUT is set

to transmit in a continuous mode.

For measurements below 1GHz the resolution bandwidth is set to 100kHz for peak detection measurements or 120kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1GHz the resolution bandwidth is set to 1MHz, then the video

bandwidth is set to 1MHz for peak measurements and 10Hz for average measurements.

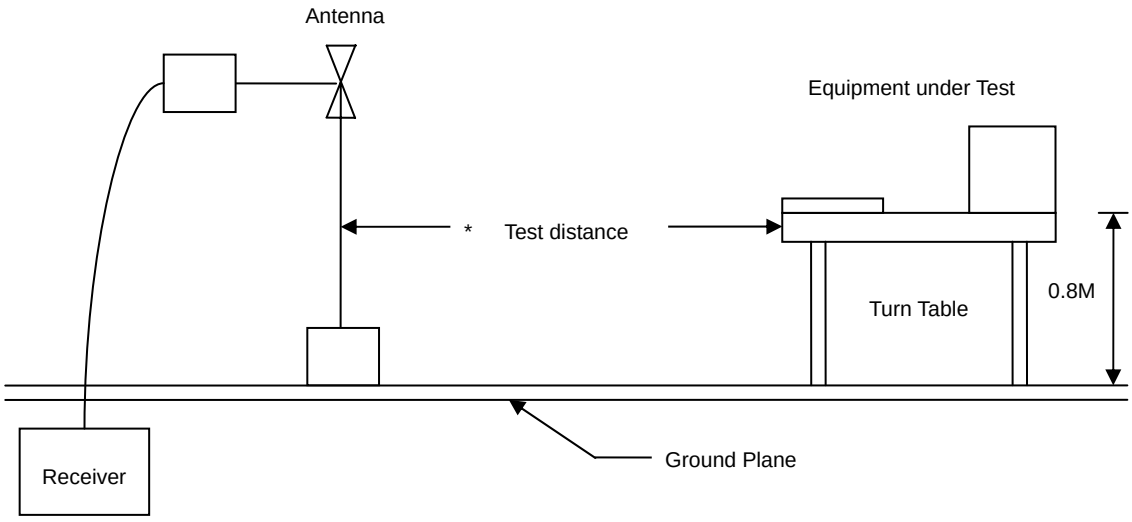
The spectrum from 30MHz to 26GHz is investigated with the transmitter set to the lowest, middle and highest channels in the 2.4GHz band.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are

Made with the antenna polarized in both the vertical and the horizontal positions.

When performing radiated measurements >1 GHz, the EUT always remains within the 3dB beam-width of the measuring antenna.

4.3. Typical Test Setup

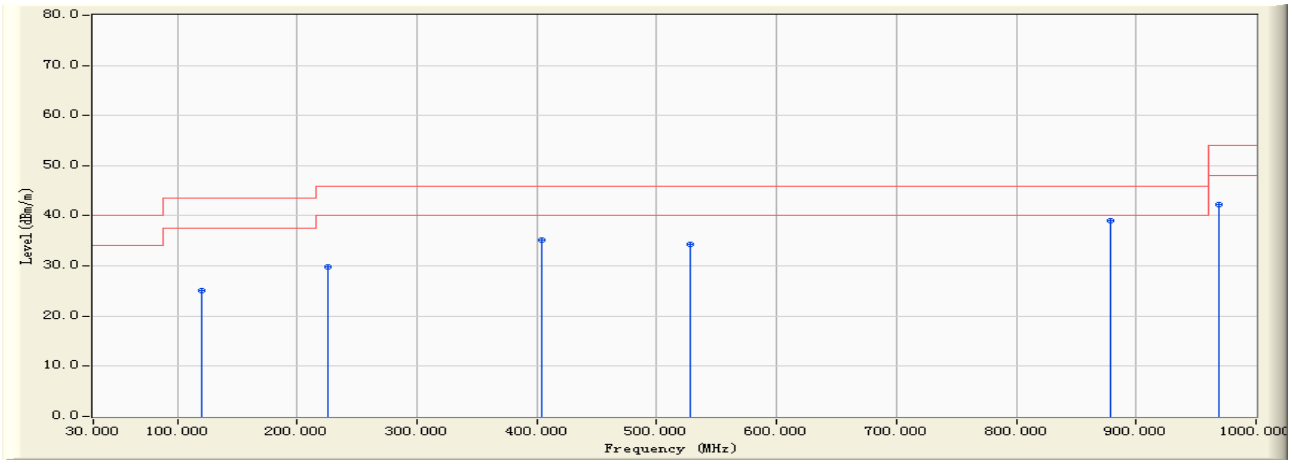


4.4. Measurement Equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date
Spectrum Analyzer	R&S	FSP40	100324	2010.08.14
EMI Test Receiver	R&S	ESCI	100563	2010.06.23
Preamplifier	Agilent	8449B	3008A02342	2010.02.10
Preamplifier	HP	8447F	3113A05582	2010.08.14
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	9120D-618	2010.08.14
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170D	9170D-347	2010.10.14
Ultra Broadband Antenna	R&S	HL562	100363	2010.08.14
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2010.08.17

4.5. Test Result and Data

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 15:55**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2412M**

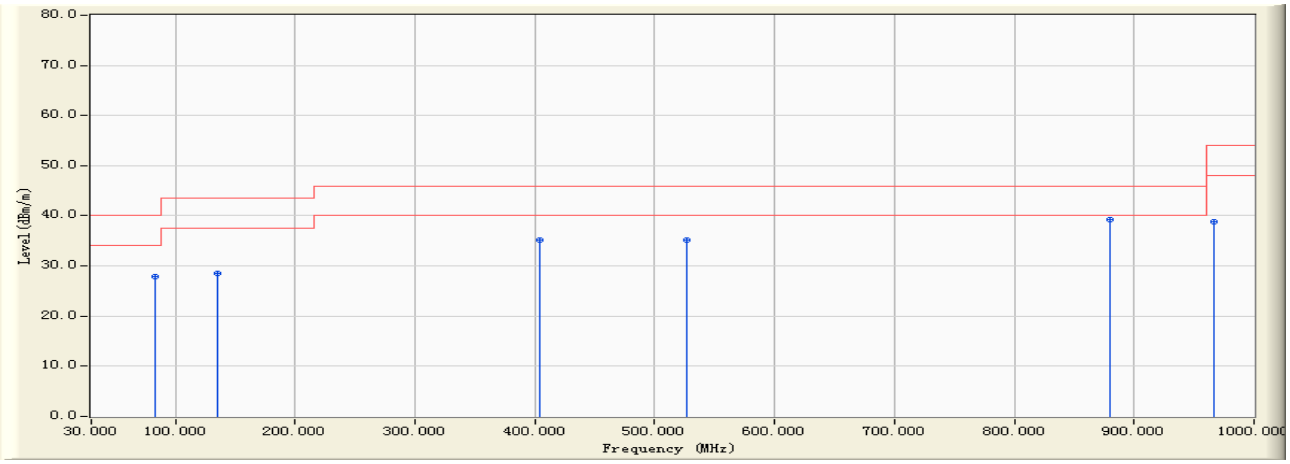


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		120.360	-13.588	38.620	25.031	-18.469	43.500	QUASIPEAK
2		225.690	-13.850	43.580	29.731	-16.269	46.000	QUASIPEAK
3		403.510	-7.469	42.570	35.101	-10.899	46.000	QUASIPEAK
4		528.510	-4.258	38.540	34.282	-11.718	46.000	QUASIPEAK
5	*	878.650	2.547	36.570	39.117	-6.883	46.000	QUASIPEAK
6		968.530	3.761	38.420	42.181	-11.819	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 15:56**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2412M**

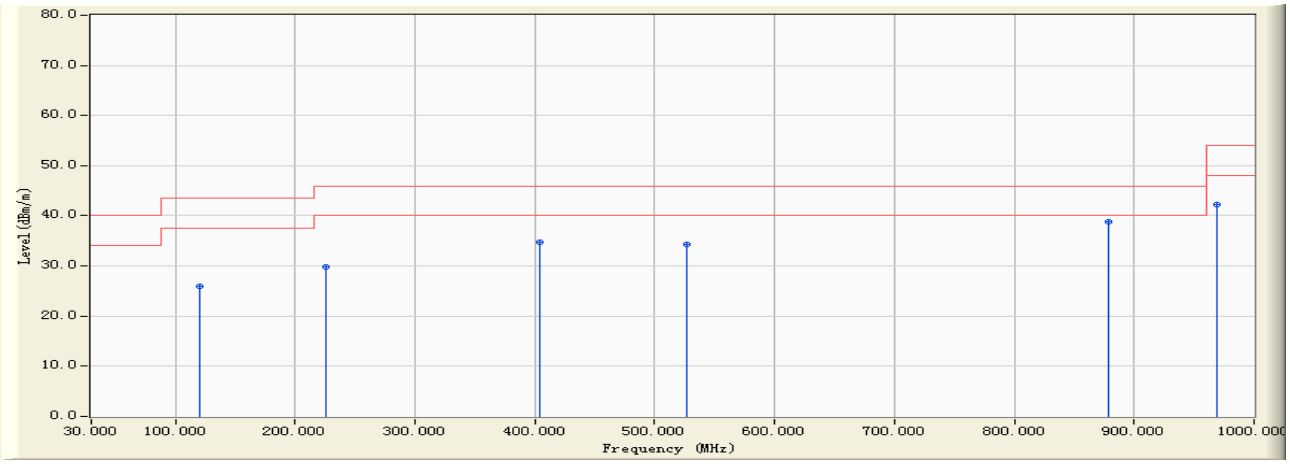


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		83.630	-15.277	43.210	27.933	-12.067	40.000	QUASIPEAK
2		135.210	-14.653	43.210	28.557	-14.943	43.500	QUASIPEAK
3		403.510	-7.469	42.580	35.111	-10.889	46.000	QUASIPEAK
4		526.310	-4.295	39.570	35.275	-10.725	46.000	QUASIPEAK
5	*	879.520	2.577	36.570	39.147	-6.853	46.000	QUASIPEAK
6		966.360	3.711	35.140	38.851	-15.149	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 15:57**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2437M**

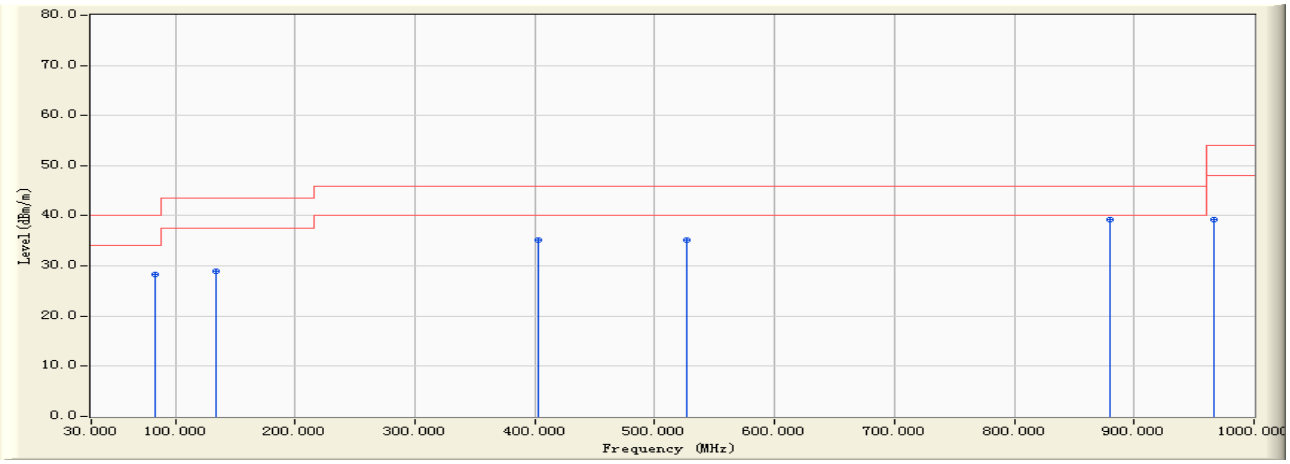


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		120.360	-13.588	39.520	25.931	-17.569	43.500	QUASIPEAK
2		225.410	-13.866	43.580	29.714	-16.286	46.000	QUASIPEAK
3		403.520	-7.469	42.170	34.701	-11.299	46.000	QUASIPEAK
4		526.350	-4.294	38.540	34.246	-11.754	46.000	QUASIPEAK
5	*	878.520	2.541	36.240	38.781	-7.219	46.000	QUASIPEAK
6		968.540	3.761	38.410	42.171	-11.829	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 15:58**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2437M**

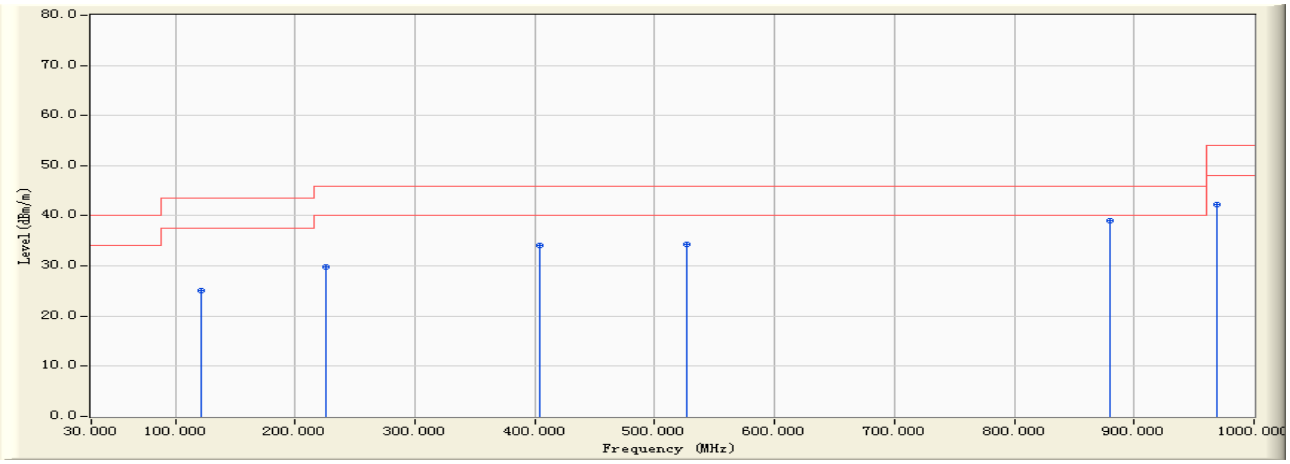


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		83.630	-15.277	43.520	28.243	-11.757	40.000	QUASIPEAK
2		134.560	-14.609	43.570	28.961	-14.539	43.500	QUASIPEAK
3		402.510	-7.496	42.570	35.074	-10.926	46.000	QUASIPEAK
4		526.960	-4.284	39.510	35.226	-10.774	46.000	QUASIPEAK
5	*	879.530	2.577	36.570	39.148	-6.852	46.000	QUASIPEAK
6		966.350	3.711	35.510	39.221	-14.779	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 15:59**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2462M**

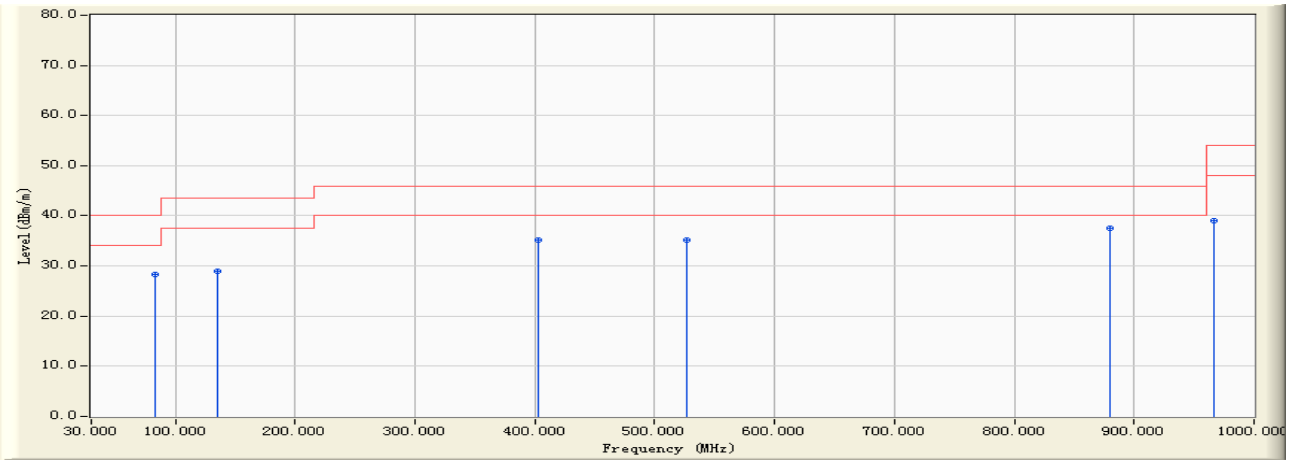


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		121.350	-13.604	38.620	25.016	-18.484	43.500	QUASIPEAK
2		225.630	-13.853	43.570	29.717	-16.283	46.000	QUASIPEAK
3		403.520	-7.469	41.570	34.101	-11.899	46.000	QUASIPEAK
4		526.310	-4.295	38.540	34.245	-11.755	46.000	QUASIPEAK
5	*	879.360	2.572	36.540	39.112	-6.888	46.000	QUASIPEAK
6		968.530	3.761	38.410	42.171	-11.829	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 15:59**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2462M**

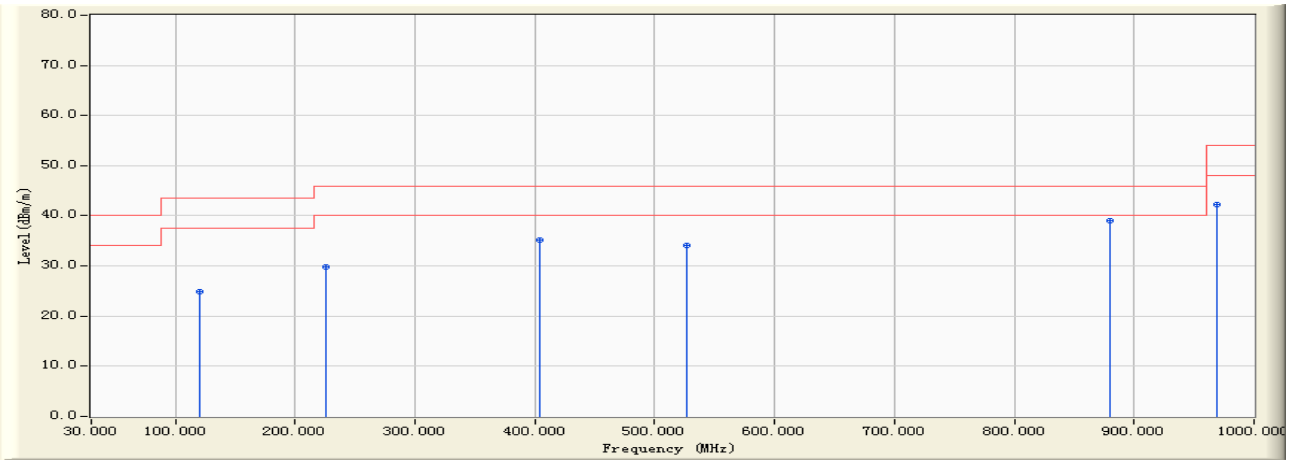


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		83.630	-15.277	43.510	28.233	-11.767	40.000	QUASIPEAK
2		135.620	-14.680	43.570	28.890	-14.610	43.500	QUASIPEAK
3		403.210	-7.477	42.580	35.103	-10.897	46.000	QUASIPEAK
4		526.390	-4.293	39.520	35.227	-10.773	46.000	QUASIPEAK
5	*	879.520	2.577	35.010	37.587	-8.413	46.000	QUASIPEAK
6		966.350	3.711	35.410	39.121	-14.879	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:01**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2412M**

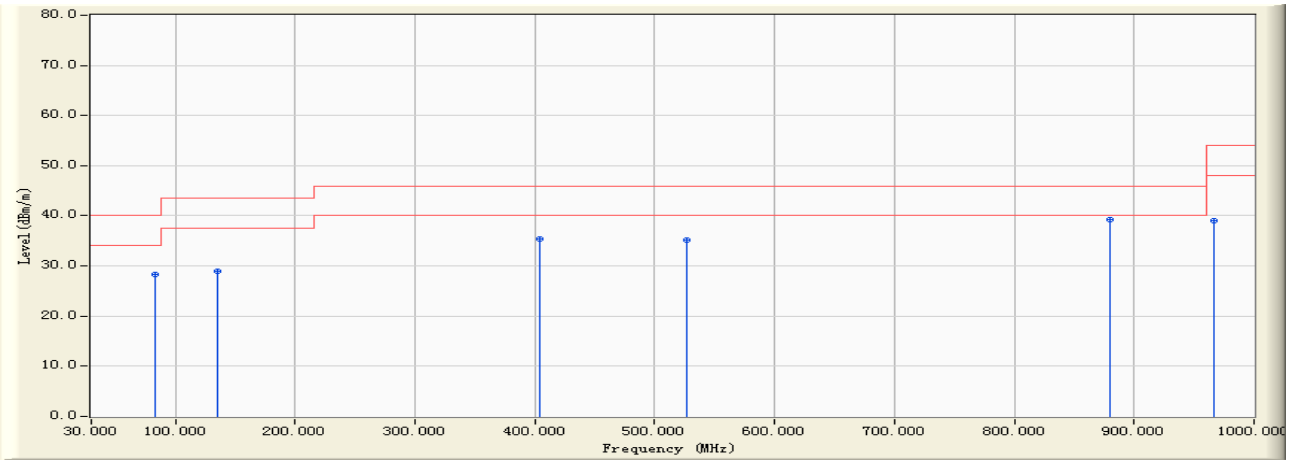


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		120.360	-13.588	38.520	24.931	-18.569	43.500	QUASIPEAK
2		225.610	-13.854	43.580	29.726	-16.274	46.000	QUASIPEAK
3		403.570	-7.468	42.580	35.112	-10.888	46.000	QUASIPEAK
4		526.930	-4.284	38.410	34.126	-11.874	46.000	QUASIPEAK
5	*	879.350	2.571	36.540	39.111	-6.889	46.000	QUASIPEAK
6		968.530	3.761	38.410	42.171	-11.829	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:02**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2412M**

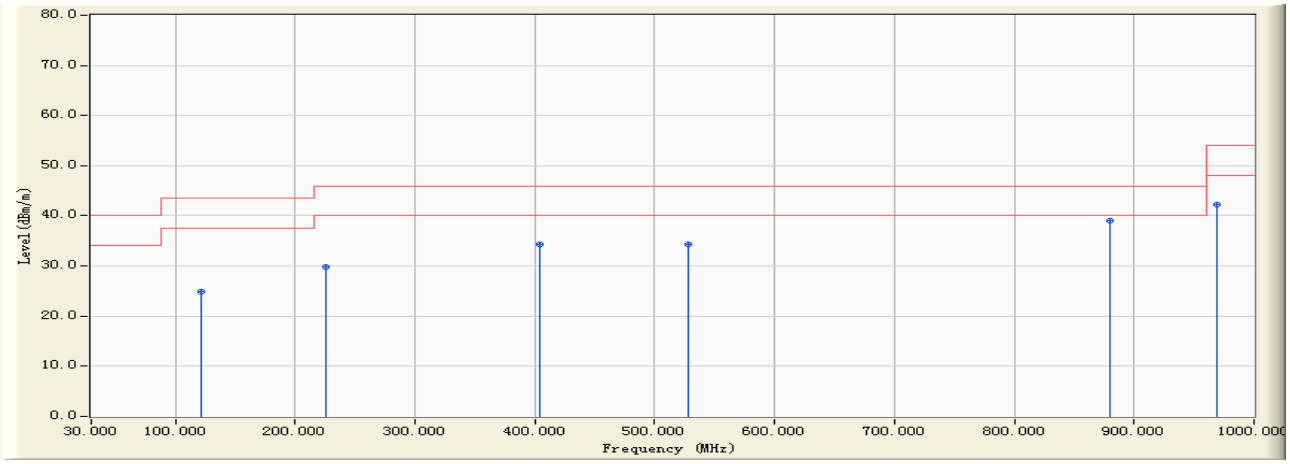


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		83.630	-15.277	43.520	28.243	-11.757	40.000	QUASIPEAK
2		135.620	-14.680	43.570	28.890	-14.610	43.500	QUASIPEAK
3		403.510	-7.469	42.870	35.401	-10.599	46.000	QUASIPEAK
4		526.360	-4.294	39.570	35.276	-10.724	46.000	QUASIPEAK
5	*	879.630	2.581	36.570	39.151	-6.849	46.000	QUASIPEAK
6		966.360	3.711	35.410	39.121	-14.879	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:03**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2437M**

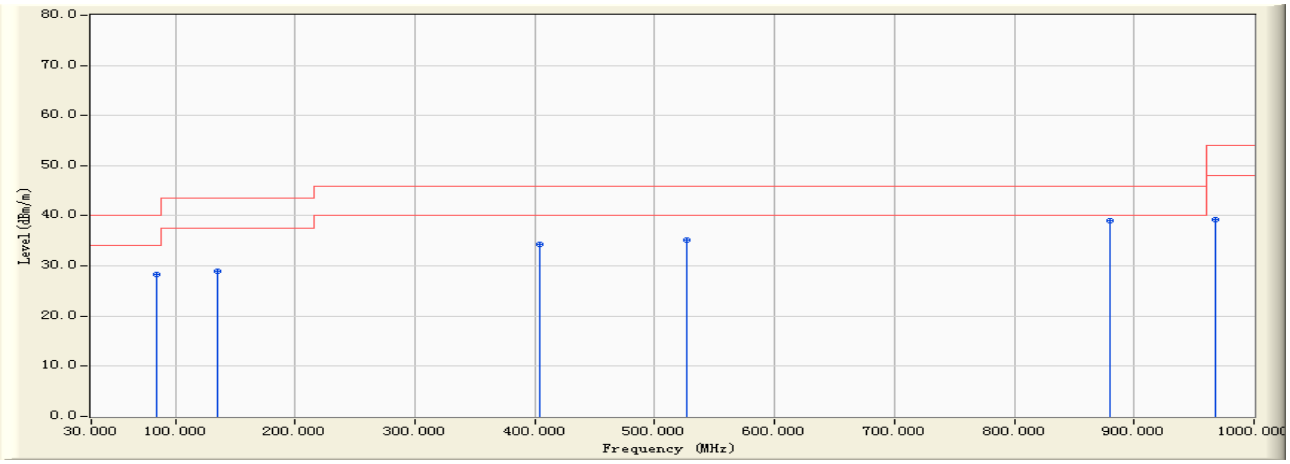


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		121.360	-13.604	38.520	24.916	-18.584	43.500	QUASIPEAK
2		225.640	-13.852	43.570	29.718	-16.282	46.000	QUASIPEAK
3		403.580	-7.467	41.870	34.403	-11.597	46.000	QUASIPEAK
4		527.640	-4.272	38.540	34.268	-11.732	46.000	QUASIPEAK
5	*	879.360	2.572	36.540	39.112	-6.888	46.000	QUASIPEAK
6		968.530	3.761	38.470	42.231	-11.769	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:04**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2437M**

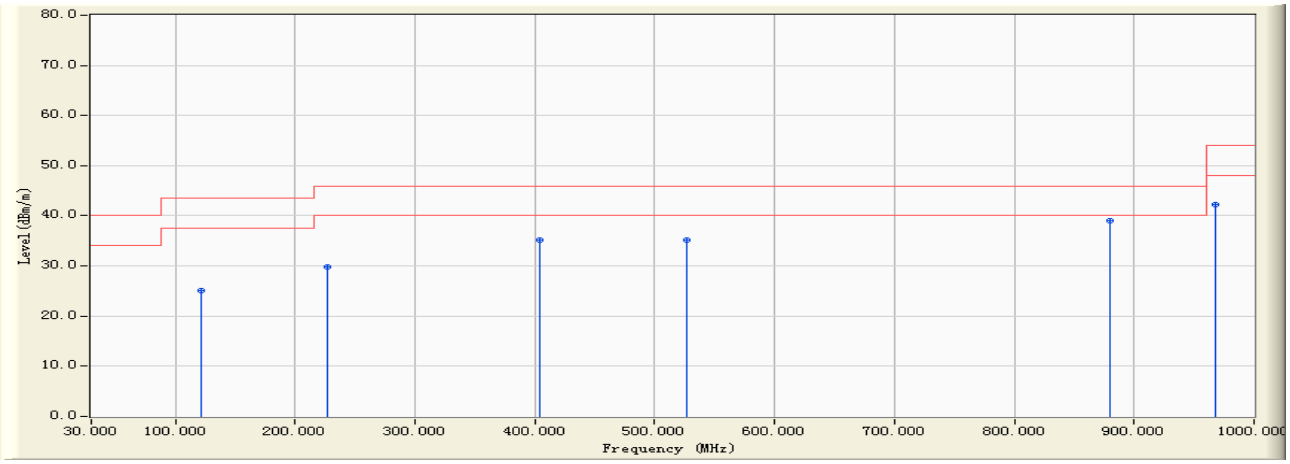


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		84.630	-15.220	43.570	28.350	-11.650	40.000	QUASIPEAK
2		135.520	-14.674	43.570	28.896	-14.604	43.500	QUASIPEAK
3		403.520	-7.469	41.890	34.421	-11.579	46.000	QUASIPEAK
4		526.690	-4.288	39.510	35.222	-10.778	46.000	QUASIPEAK
5	*	879.630	2.581	36.540	39.121	-6.879	46.000	QUASIPEAK
6		967.530	3.735	35.470	39.205	-14.795	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:04**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2462M**

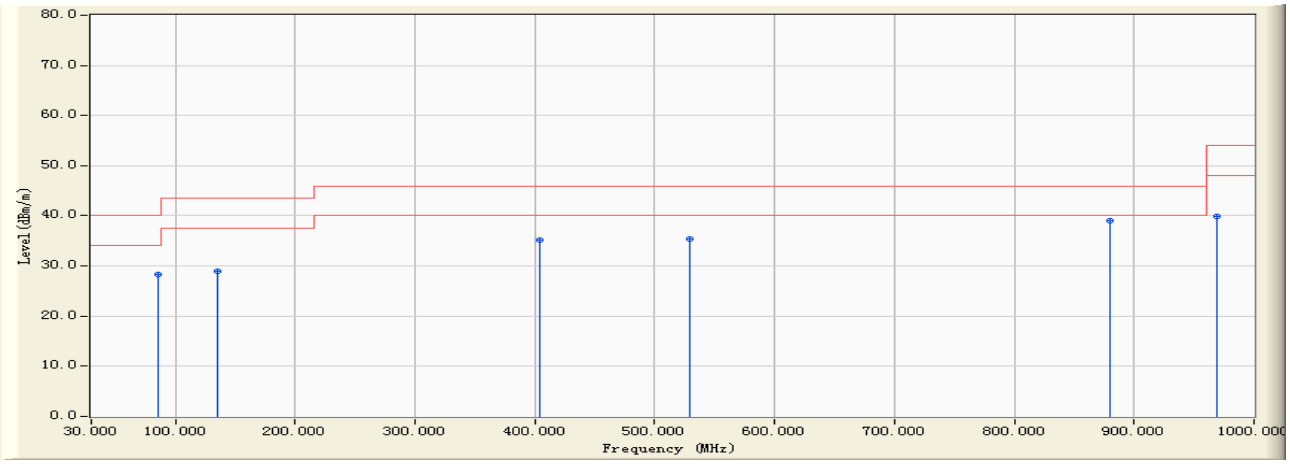


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		121.350	-13.604	38.640	25.036	-18.464	43.500	QUASIPEAK
2		226.510	-13.817	43.570	29.753	-16.247	46.000	QUASIPEAK
3		403.590	-7.467	42.570	35.103	-10.897	46.000	QUASIPEAK
4		526.960	-4.284	39.510	35.226	-10.774	46.000	QUASIPEAK
5	*	879.630	2.581	36.520	39.101	-6.899	46.000	QUASIPEAK
6		968.360	3.756	38.540	42.296	-11.704	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2462M**

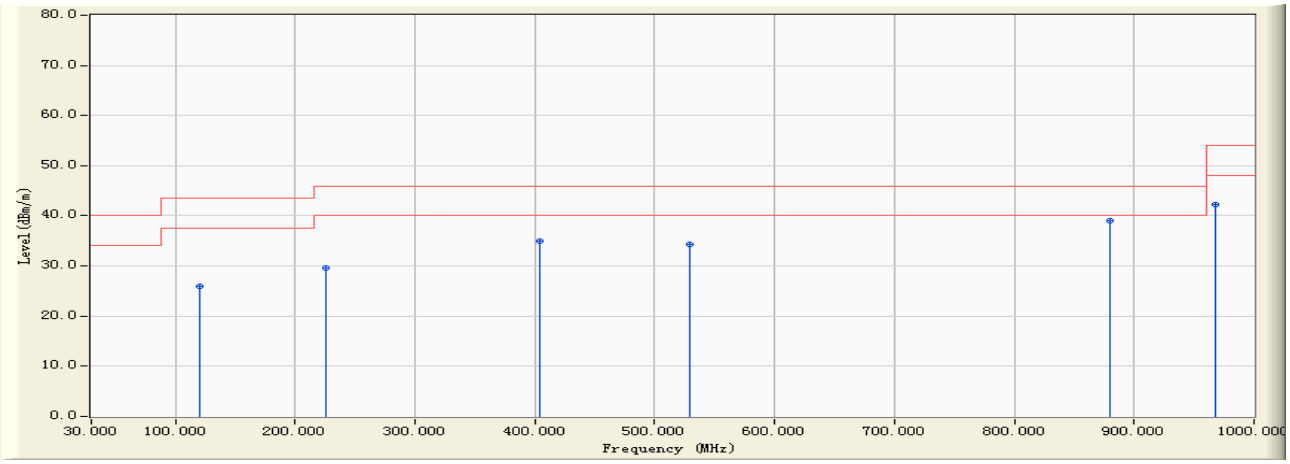


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		85.650	-15.168	43.570	28.402	-11.598	40.000	QUASIPEAK
2		135.420	-14.667	43.570	28.903	-14.597	43.500	QUASIPEAK
3		403.580	-7.467	42.570	35.103	-10.897	46.000	QUASIPEAK
4		528.930	-4.247	39.540	35.293	-10.707	46.000	QUASIPEAK
5	*	879.530	2.577	36.520	39.098	-6.902	46.000	QUASIPEAK
6		968.520	3.761	36.140	39.901	-14.099	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:07**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2412M**

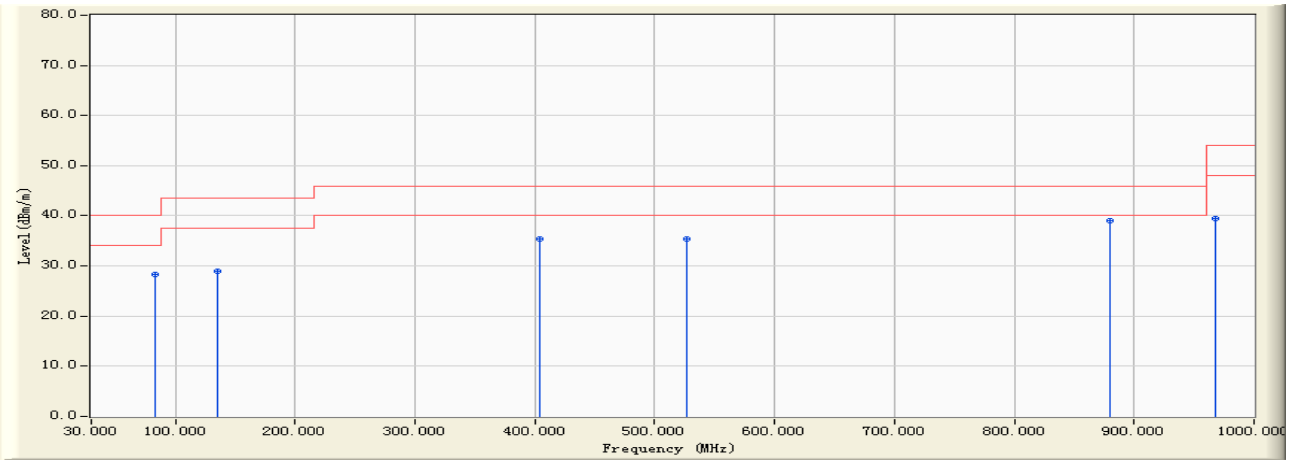


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		120.360	-13.588	39.620	26.031	-17.469	43.500	QUASIPEAK
2		225.630	-13.853	43.510	29.657	-16.343	46.000	QUASIPEAK
3		403.570	-7.468	42.510	35.042	-10.958	46.000	QUASIPEAK
4		528.630	-4.255	38.540	34.285	-11.715	46.000	QUASIPEAK
5	*	879.630	2.581	36.520	39.101	-6.899	46.000	QUASIPEAK
6		968.320	3.755	38.510	42.265	-11.735	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:09**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2412M**

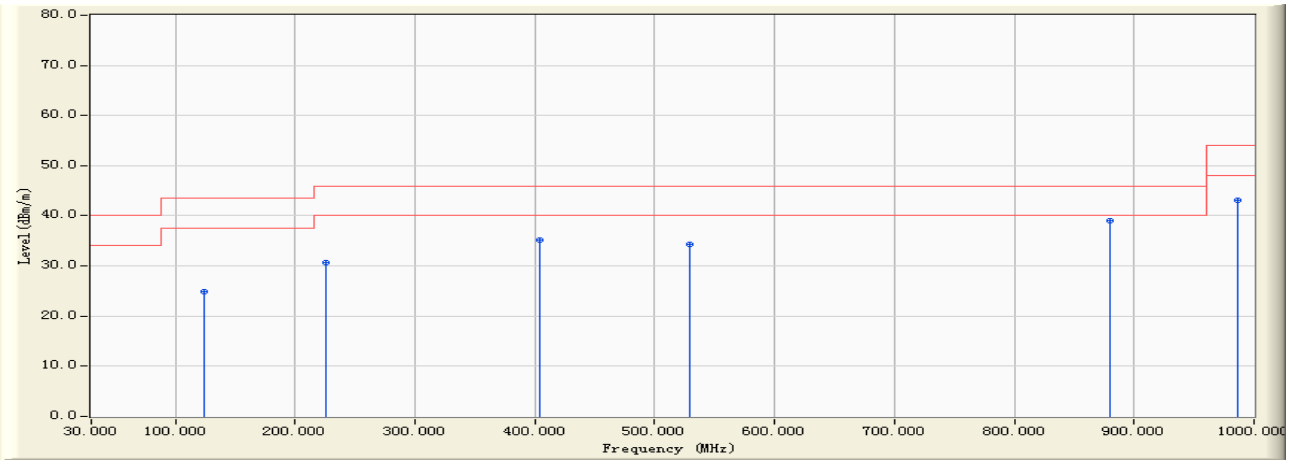


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		83.630	-15.277	43.510	28.233	-11.767	40.000	QUASIPEAK
2		135.620	-14.680	43.580	28.900	-14.600	43.500	QUASIPEAK
3		403.510	-7.469	42.850	35.381	-10.619	46.000	QUASIPEAK
4		526.960	-4.284	39.620	35.336	-10.664	46.000	QUASIPEAK
5	*	879.630	2.581	36.520	39.101	-6.899	46.000	QUASIPEAK
6		968.360	3.756	35.640	39.396	-14.604	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:09**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2437M**

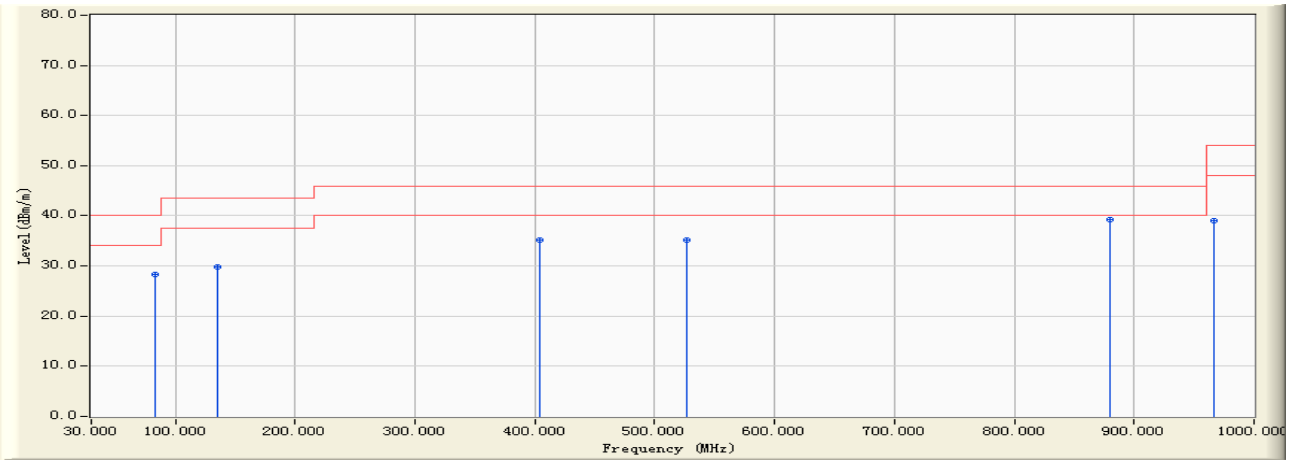


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		124.630	-13.735	38.640	24.905	-18.595	43.500	QUASIPEAK
2		225.640	-13.852	44.580	30.728	-15.272	46.000	QUASIPEAK
3		403.580	-7.467	42.573	35.106	-10.894	46.000	QUASIPEAK
4		528.630	-4.255	38.570	34.315	-11.685	46.000	QUASIPEAK
5	*	879.530	2.577	36.430	39.008	-6.992	46.000	QUASIPEAK
6		986.360	4.048	39.020	43.068	-10.932	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:10**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2437M**

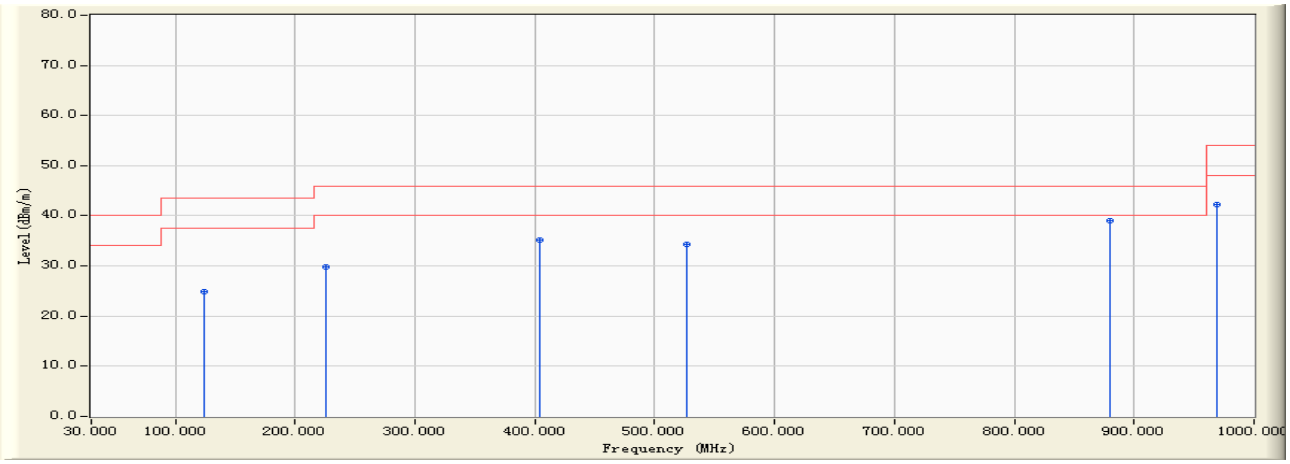


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		83.630	-15.277	43.520	28.243	-11.757	40.000	QUASIPEAK
2		135.690	-14.685	44.580	29.895	-13.605	43.500	QUASIPEAK
3		403.560	-7.468	42.570	35.102	-10.898	46.000	QUASIPEAK
4		526.930	-4.284	39.530	35.246	-10.754	46.000	QUASIPEAK
5	*	879.650	2.582	36.630	39.212	-6.788	46.000	QUASIPEAK
6		966.360	3.711	35.413	39.124	-14.876	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:11**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2462M**

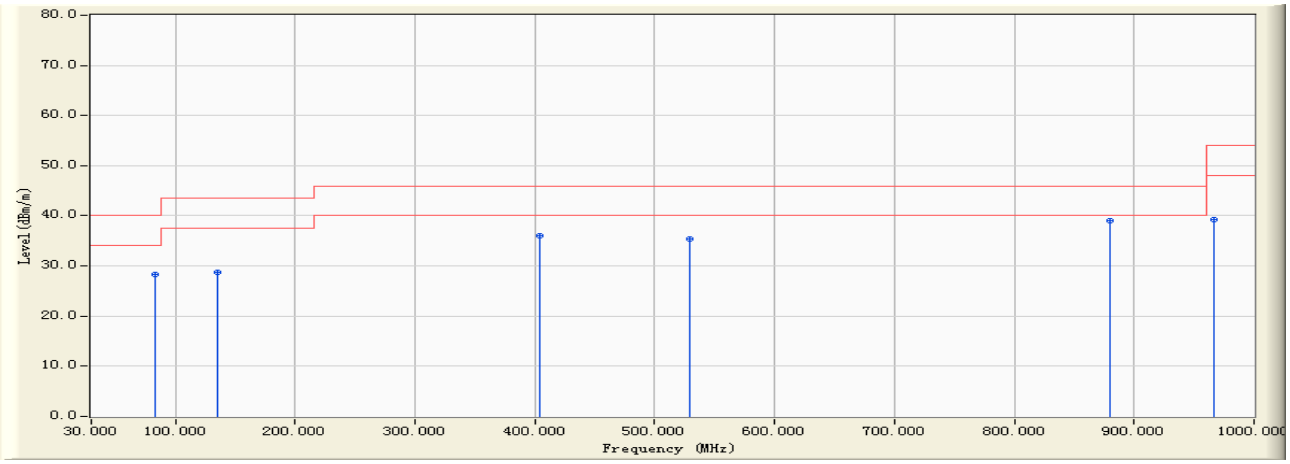


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		123.630	-13.694	38.520	24.826	-18.674	43.500	QUASIPEAK
2		225.690	-13.850	43.570	29.721	-16.279	46.000	QUASIPEAK
3		403.560	-7.468	42.580	35.112	-10.888	46.000	QUASIPEAK
4		526.630	-4.289	38.540	34.251	-11.749	46.000	QUASIPEAK
5	*	879.650	2.582	36.540	39.122	-6.878	46.000	QUASIPEAK
6		968.530	3.761	38.510	42.271	-11.729	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:11**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2462M**

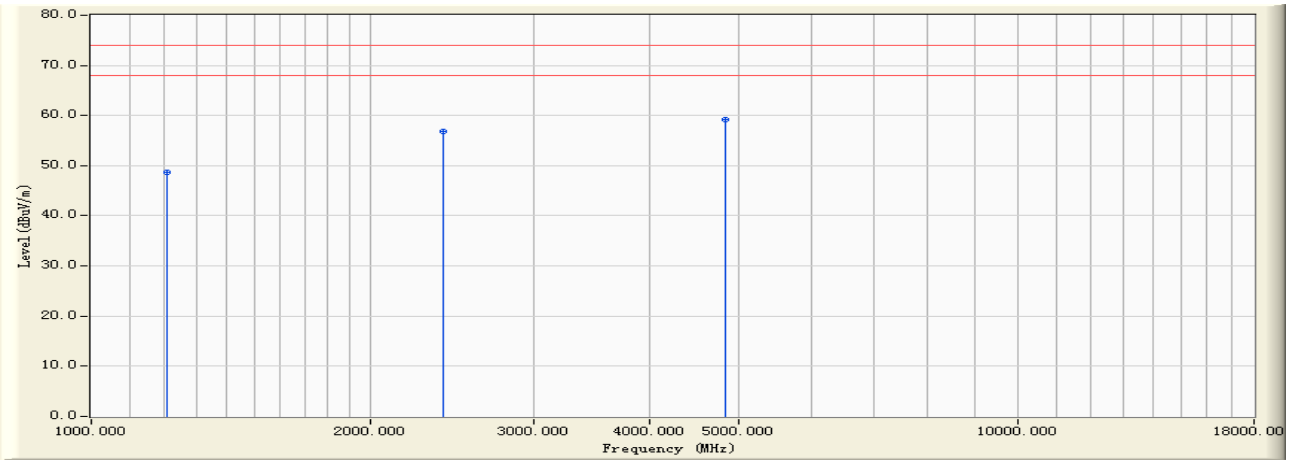


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		83.630	-15.277	43.590	28.313	-11.687	40.000	QUASIPEAK
2		135.630	-14.681	43.510	28.829	-14.671	43.500	QUASIPEAK
3		403.560	-7.468	43.520	36.052	-9.948	46.000	QUASIPEAK
4		528.930	-4.247	39.620	35.373	-10.627	46.000	QUASIPEAK
5	*	879.530	2.577	36.530	39.108	-6.892	46.000	QUASIPEAK
6		966.320	3.711	35.620	39.331	-14.669	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:53**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2412M**

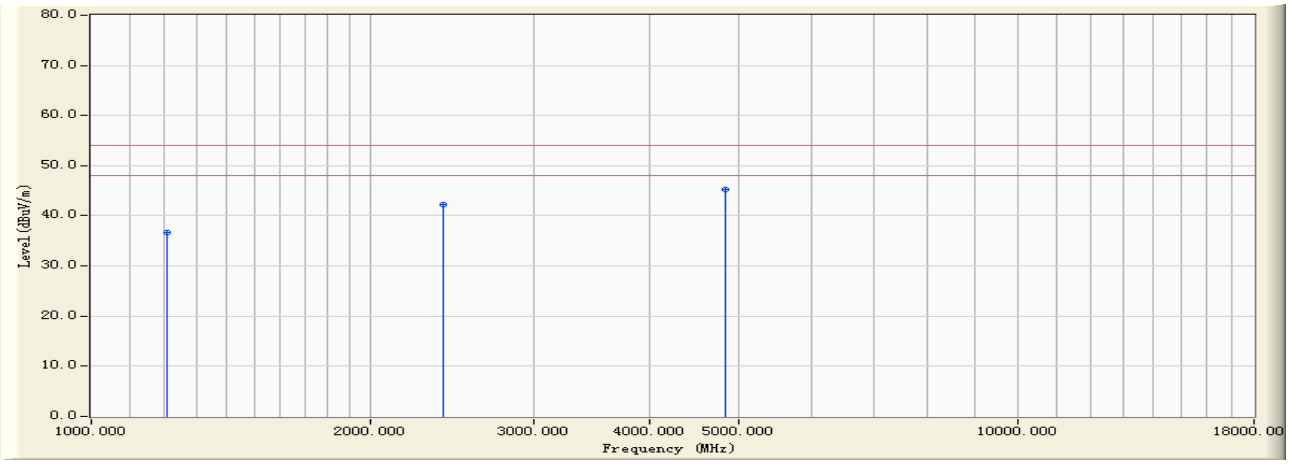


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1205.630	-5.901	54.570	48.668	-25.332	74.000	PEAK
2		2402.350	0.395	56.540	56.935	-17.065	74.000	PEAK
3	*	4836.510	7.373	51.870	59.243	-14.757	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:53**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2412M**

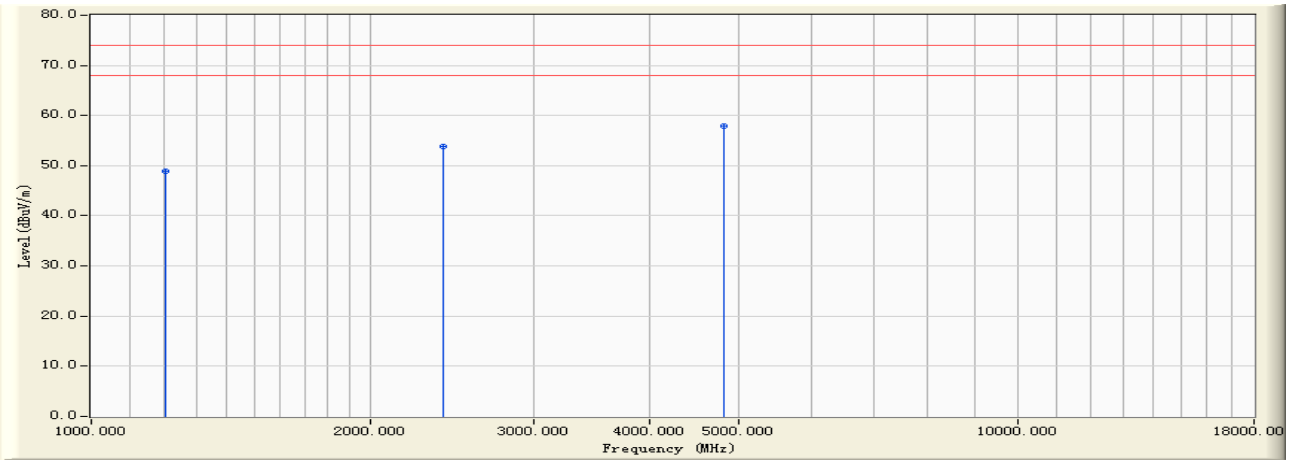


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1205.630	-5.901	42.580	36.678	-17.322	54.000	AVERAGE
2		2402.350	0.395	41.870	42.265	-11.735	54.000	AVERAGE
3	*	4836.510	7.373	37.840	45.213	-8.787	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:54**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2412M**

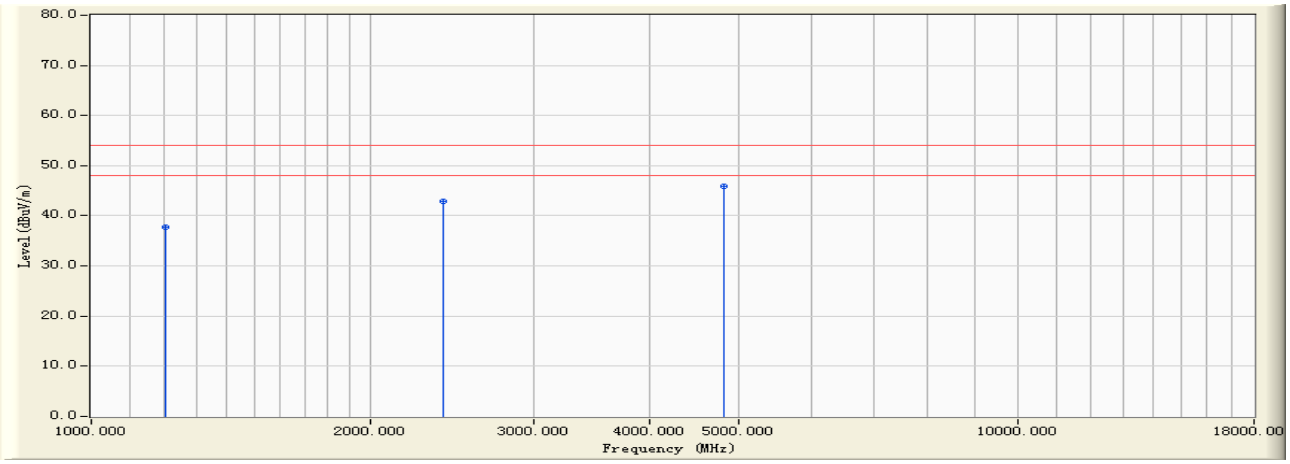


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1202.650	-5.929	54.890	48.961	-25.039	74.000	PEAK
2		2402.370	0.395	53.520	53.916	-20.084	74.000	PEAK
3	*	4825.690	7.352	50.470	57.821	-16.179	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:54**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2412M**

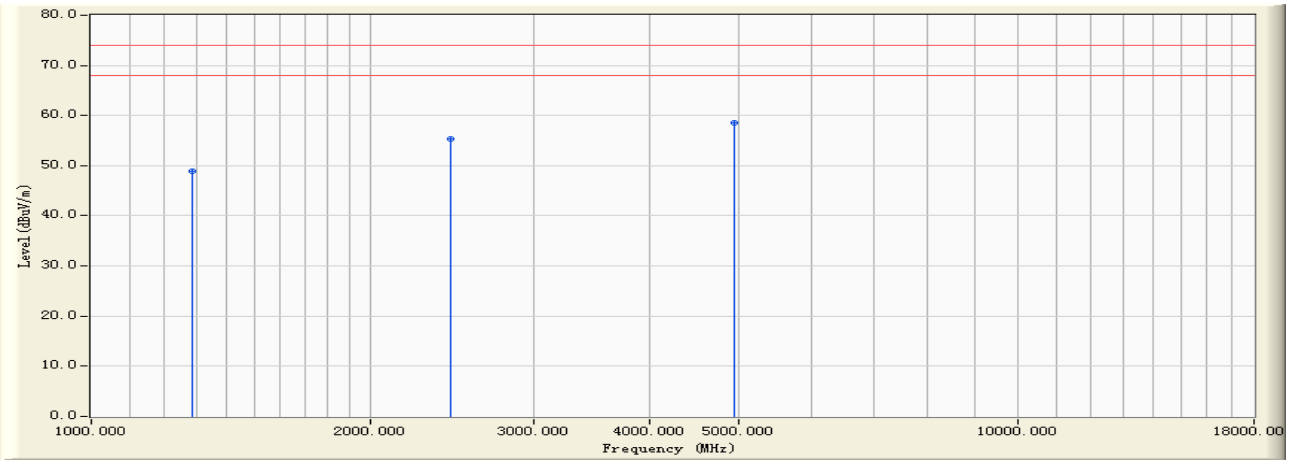


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1202.650	-5.929	43.590	37.661	-16.339	54.000	AVERAGE
2		2402.370	0.395	42.580	42.976	-11.024	54.000	AVERAGE
3	*	4825.690	7.352	38.540	45.891	-8.109	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:55**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2437M**

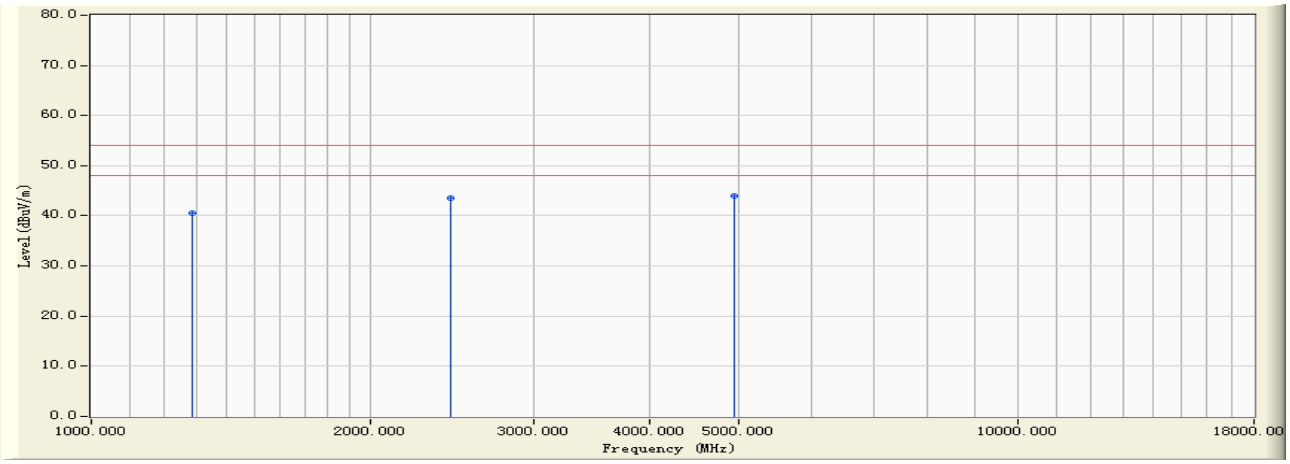


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1284.670	-5.037	53.940	48.903	-25.097	74.000	PEAK
2		2441.530	0.523	54.890	55.413	-18.587	74.000	PEAK
3	*	4937.580	7.592	50.940	58.533	-15.467	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:55**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2437M**

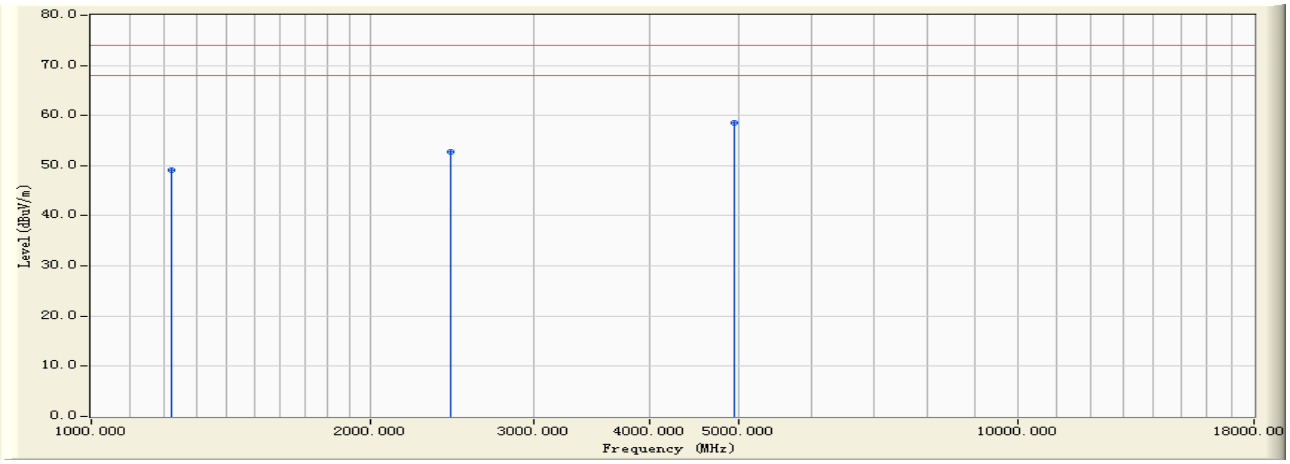


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1284.670	-5.037	45.680	40.643	-13.357	54.000	AVERAGE
2		2441.530	0.523	42.940	43.463	-10.537	54.000	AVERAGE
3	*	4937.580	7.592	36.340	43.933	-10.067	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:56**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2437M**

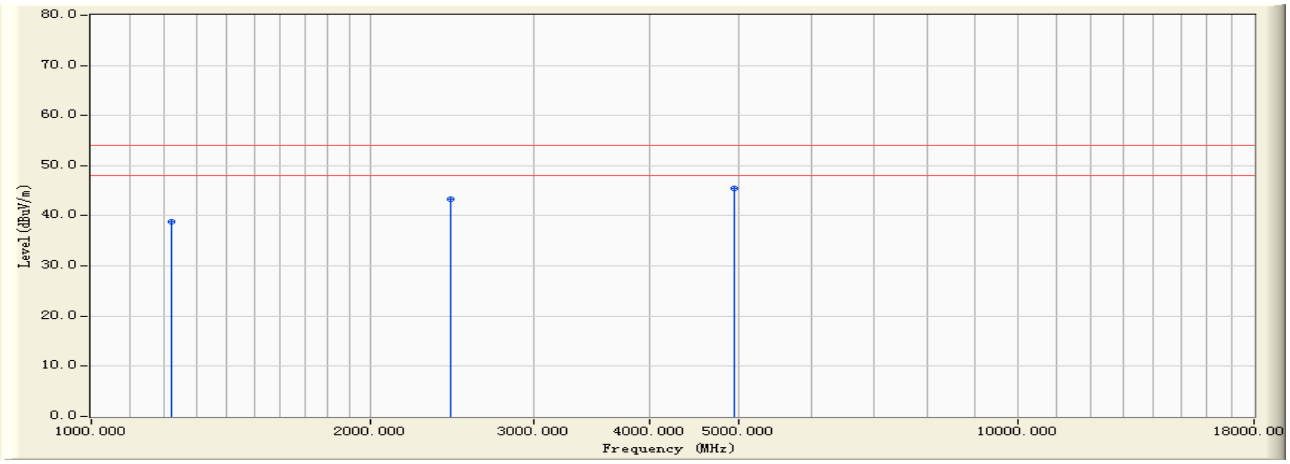


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1221.500	-5.735	54.940	49.204	-24.796	74.000	PEAK
2		2441.670	0.524	52.340	52.863	-21.137	74.000	PEAK
3	*	4936.510	7.590	50.890	58.480	-15.520	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:56**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2437M**

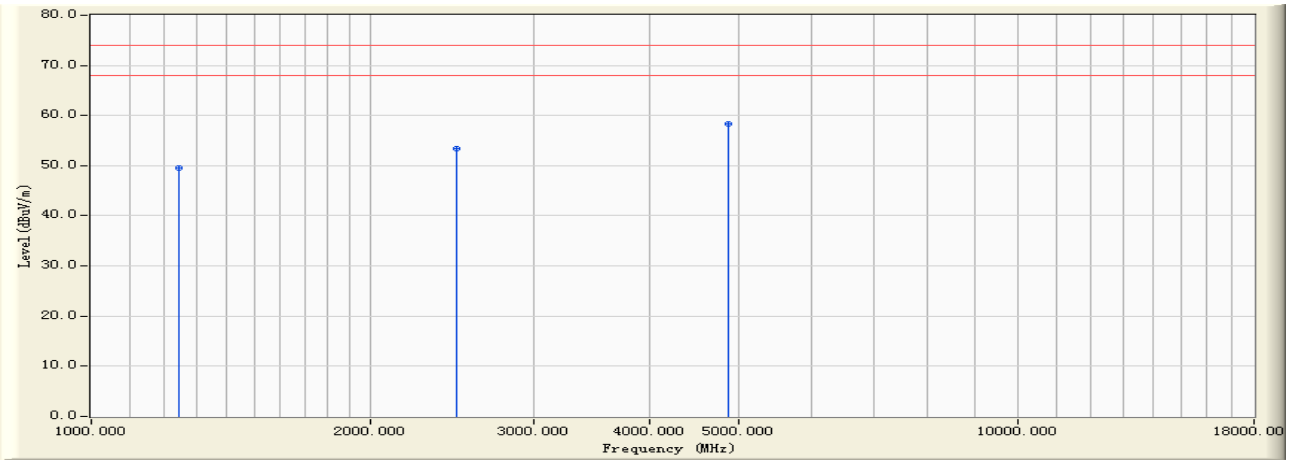


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1221.500	-5.735	44.570	38.834	-15.166	54.000	AVERAGE
2		2441.670	0.524	42.850	43.373	-10.627	54.000	AVERAGE
3	*	4936.510	7.590	37.940	45.530	-8.470	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:57**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2462M**

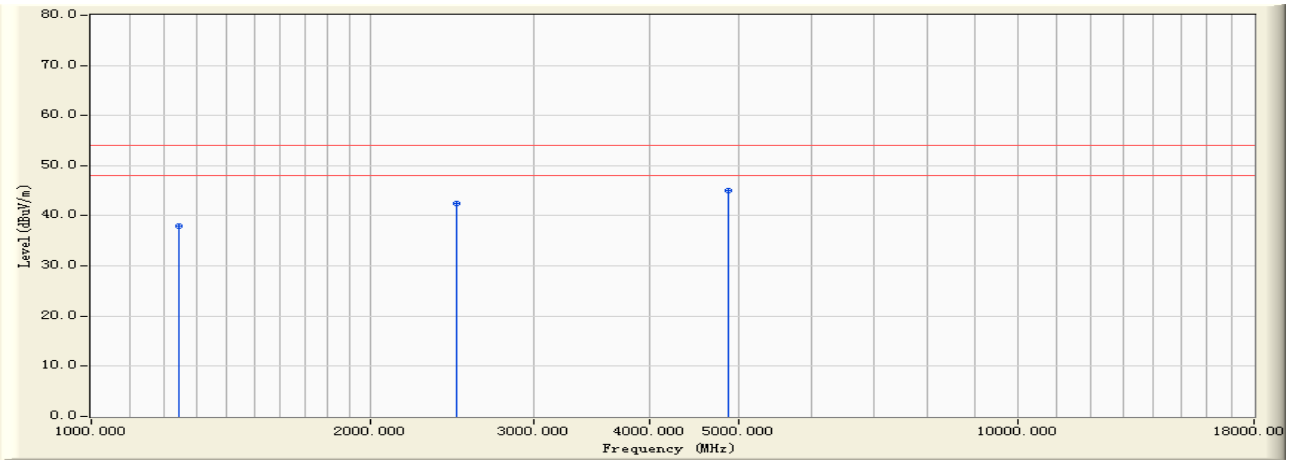


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1241.360	-5.513	54.970	49.456	-24.544	74.000	PEAK
2		2480.520	0.662	52.680	53.343	-20.657	74.000	PEAK
3	*	4869.200	7.447	50.840	58.287	-15.713	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:57**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2462M**

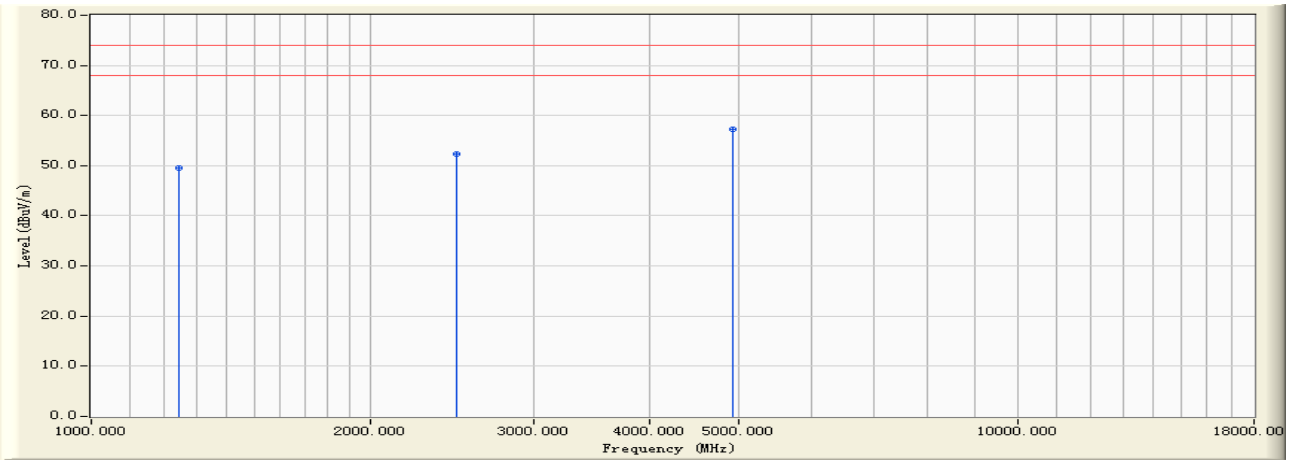


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1241.360	-5.513	43.570	38.056	-15.944	54.000	AVERAGE
2		2480.520	0.662	41.840	42.503	-11.497	54.000	AVERAGE
3	*	4869.200	7.447	37.520	44.967	-9.033	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:58**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2462M**

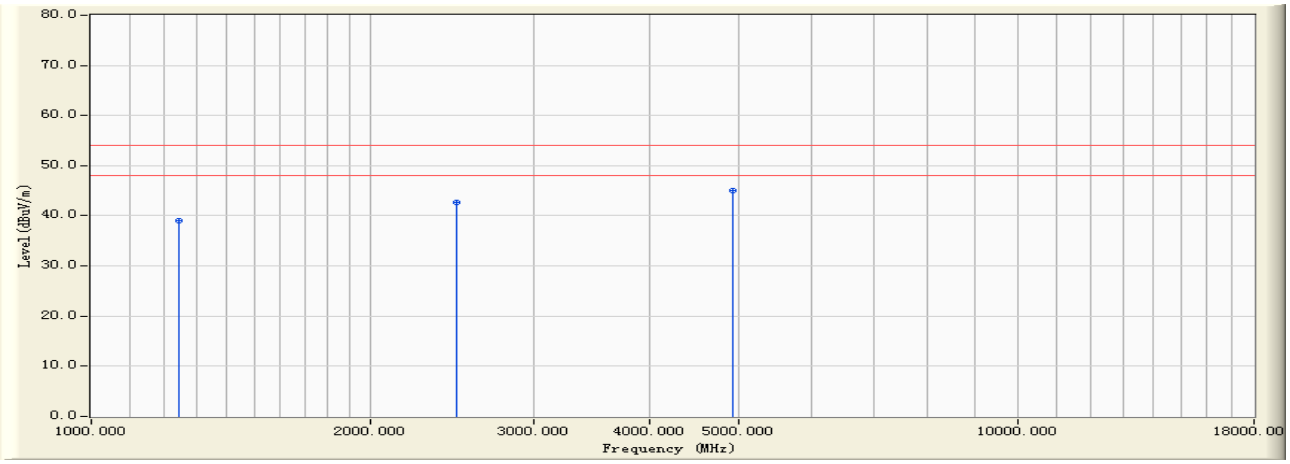


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1243.630	-5.490	54.940	49.451	-24.549	74.000	PEAK
2		2480.570	0.663	51.640	52.303	-21.697	74.000	PEAK
3	*	4934.510	7.587	49.680	57.266	-16.734	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:58**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2462M**

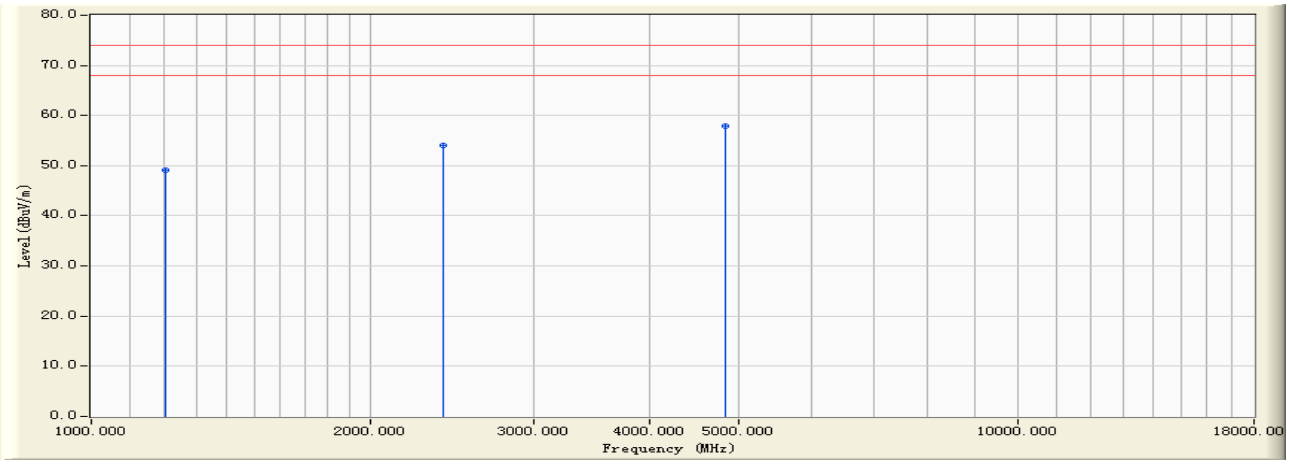


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1243.630	-5.490	44.580	39.091	-14.909	54.000	AVERAGE
2		2480.570	0.663	41.980	42.643	-11.357	54.000	AVERAGE
3	*	4934.510	7.587	37.540	45.126	-8.874	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:02**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2412M**

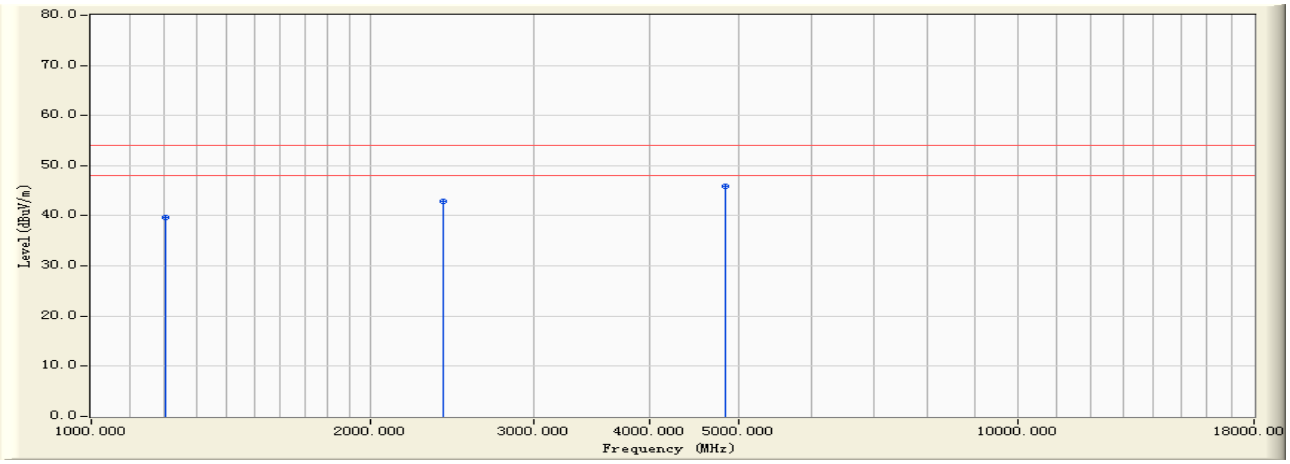


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1203.650	-5.922	54.980	49.059	-24.941	74.000	PEAK
2		2402.510	0.396	53.570	53.966	-20.034	74.000	PEAK
3	*	4835.670	7.372	50.480	57.851	-16.149	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:02**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2412M**

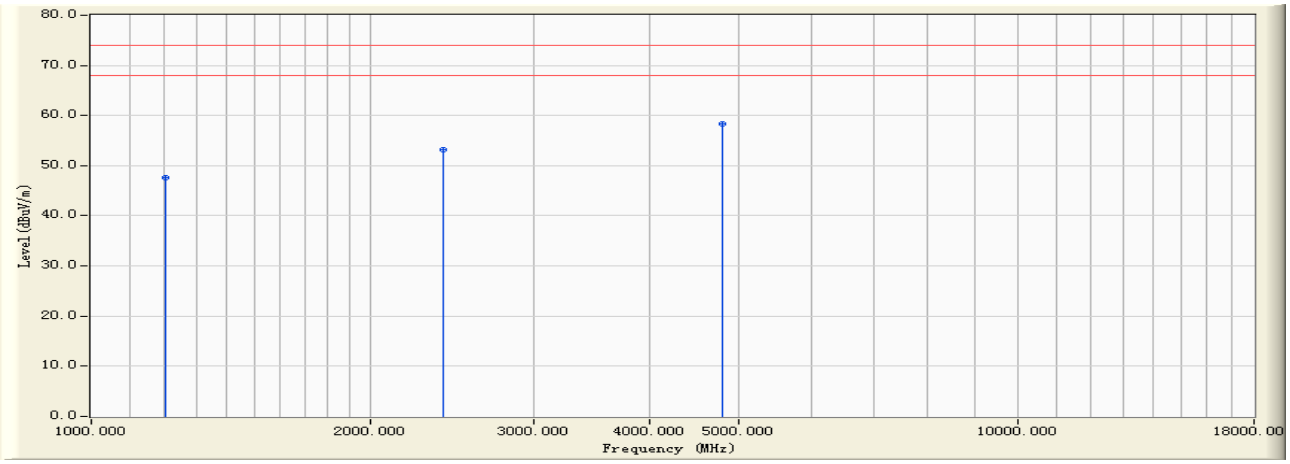


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1203.650	-5.922	45.610	39.689	-14.311	54.000	AVERAGE
2		2402.510	0.396	42.580	42.976	-11.024	54.000	AVERAGE
3	*	4835.670	7.372	38.540	45.911	-8.089	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:02**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2412M**

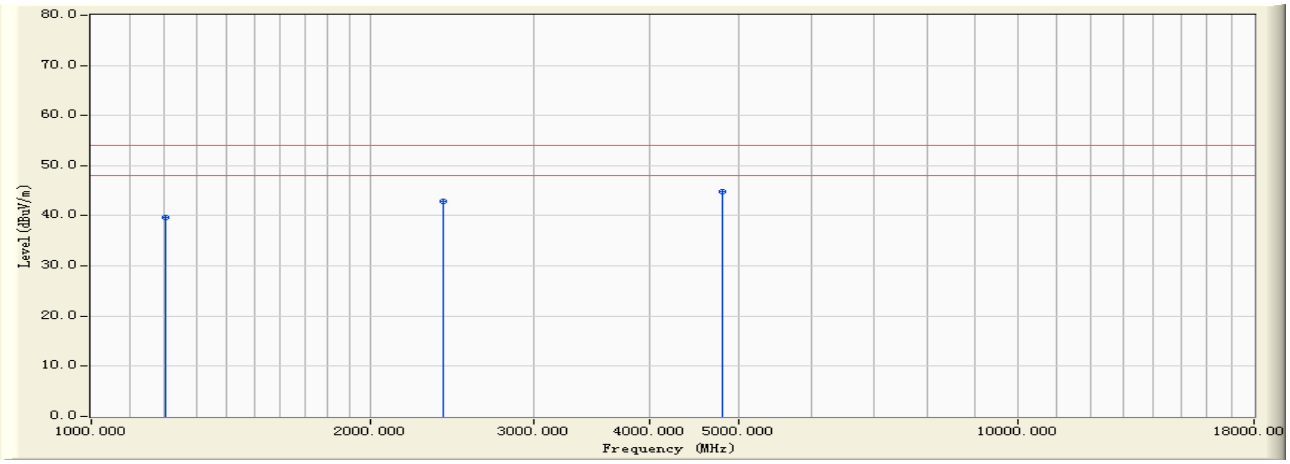


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1203.680	-5.922	53.590	47.669	-26.331	74.000	PEAK
2		2402.640	0.397	52.840	53.236	-20.764	74.000	PEAK
3	*	4805.690	7.302	50.970	58.272	-15.728	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:02**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2412M**

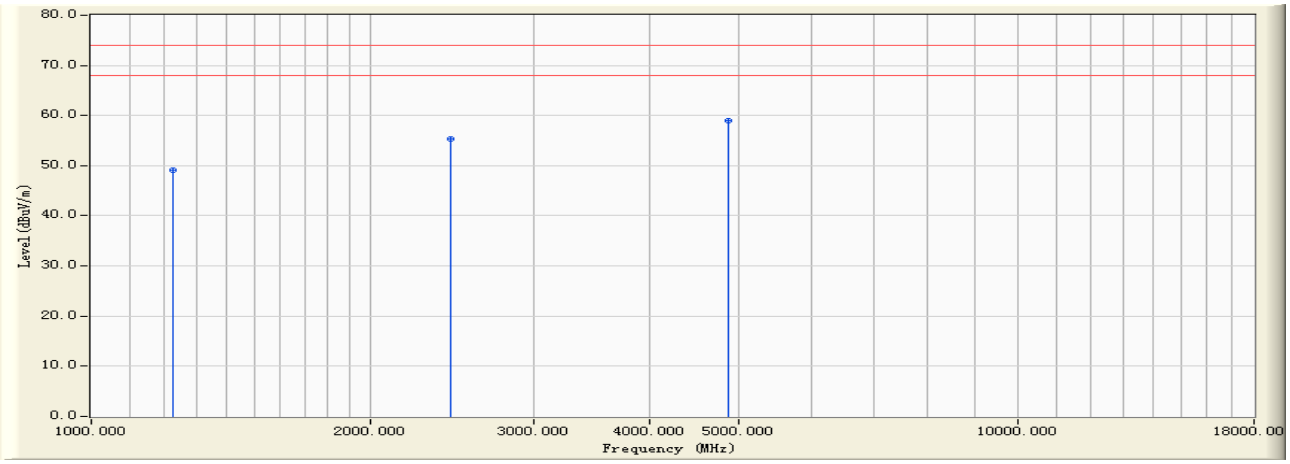


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1203.680	-5.922	45.570	39.649	-14.351	54.000	AVERAGE
2		2402.640	0.397	42.580	42.976	-11.024	54.000	AVERAGE
3	*	4805.690	7.302	37.510	44.812	-9.188	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:03**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2437M**

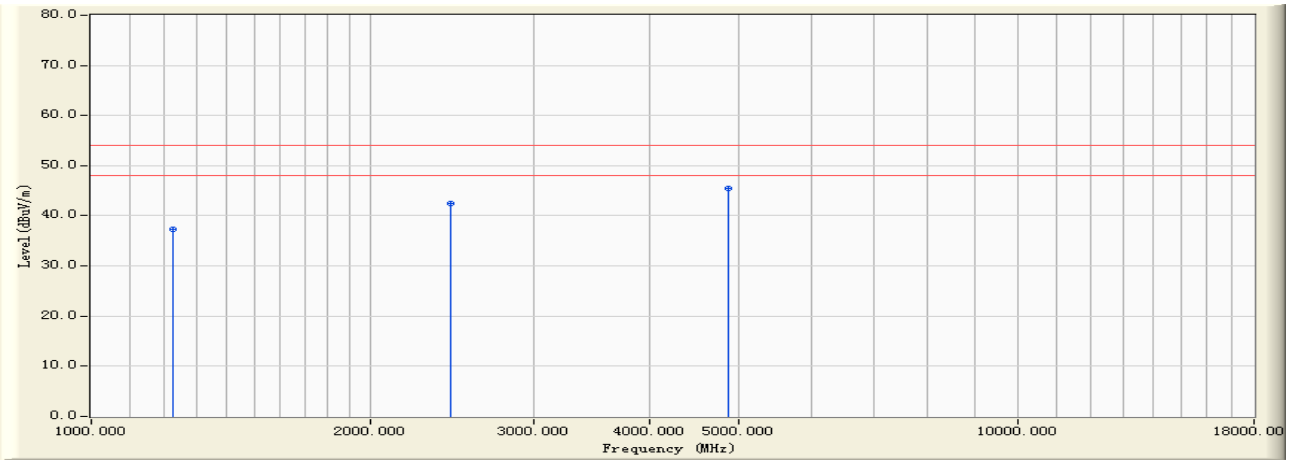


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1224.500	-5.702	54.870	49.167	-24.833	74.000	PEAK
2		2441.360	0.522	54.840	55.362	-18.638	74.000	PEAK
3	*	4865.910	7.441	51.540	58.981	-15.019	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:03**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2437M**

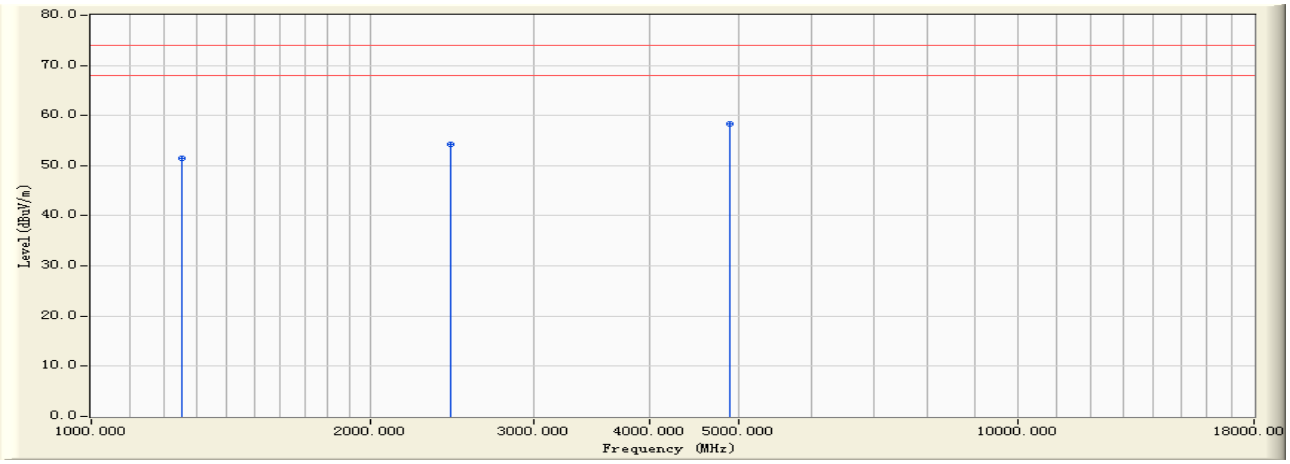


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1224.500	-5.702	42.950	37.247	-16.753	54.000	AVERAGE
2		2441.360	0.522	41.850	42.372	-11.628	54.000	AVERAGE
3	*	4865.910	7.441	38.010	45.451	-8.549	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:04**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2437M**

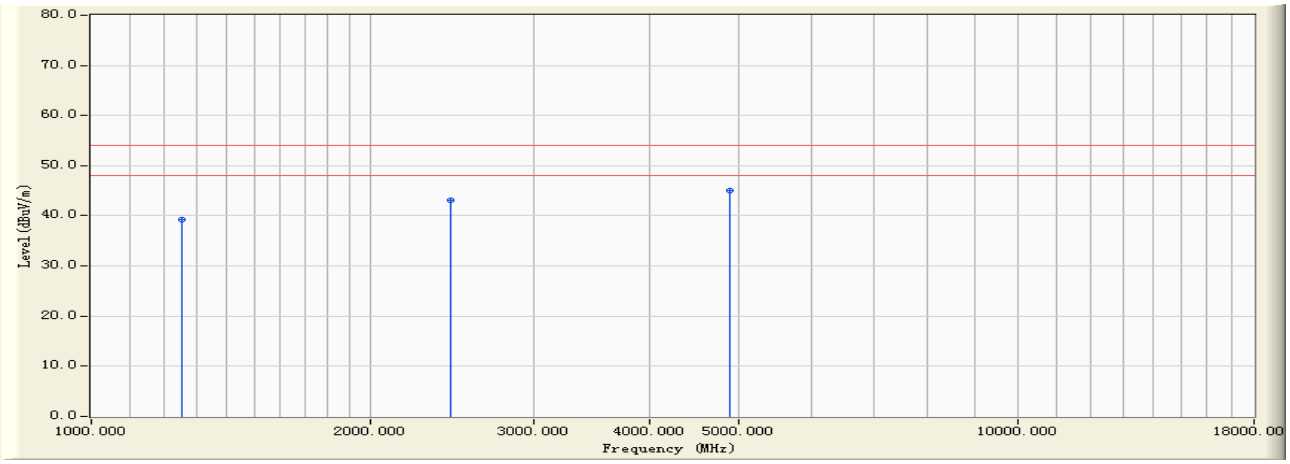


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1253.020	-5.388	56.940	51.553	-22.447	74.000	PEAK
2		2441.370	0.522	53.640	54.162	-19.838	74.000	PEAK
3	*	4895.570	7.509	50.840	58.349	-15.651	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:04**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2437M**

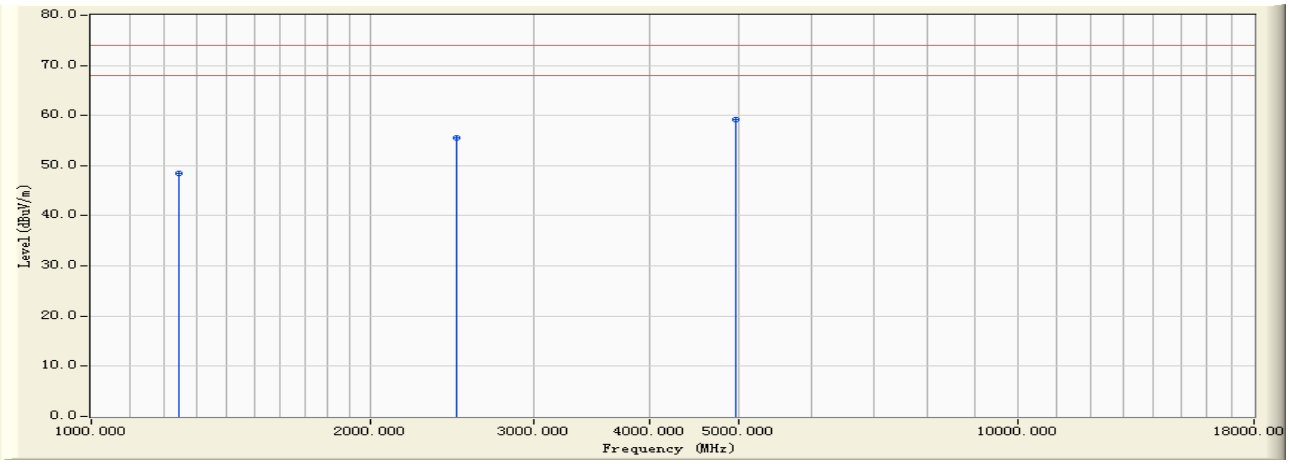


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1253.020	-5.388	44.580	39.193	-14.807	54.000	AVERAGE
2		2441.370	0.522	42.680	43.202	-10.798	54.000	AVERAGE
3	*	4895.570	7.509	37.510	45.019	-8.981	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:05**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2462M**

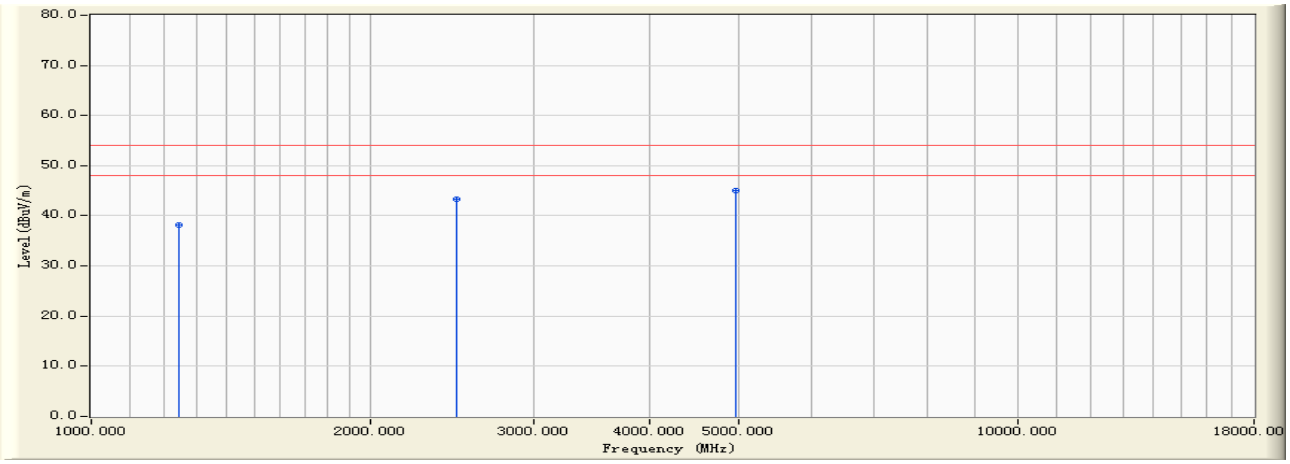


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1245.370	-5.470	53.840	48.370	-25.630	74.000	PEAK
2		2480.360	0.662	54.840	55.502	-18.498	74.000	PEAK
3	*	4963.520	7.654	51.570	59.224	-14.776	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:05**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2462M**

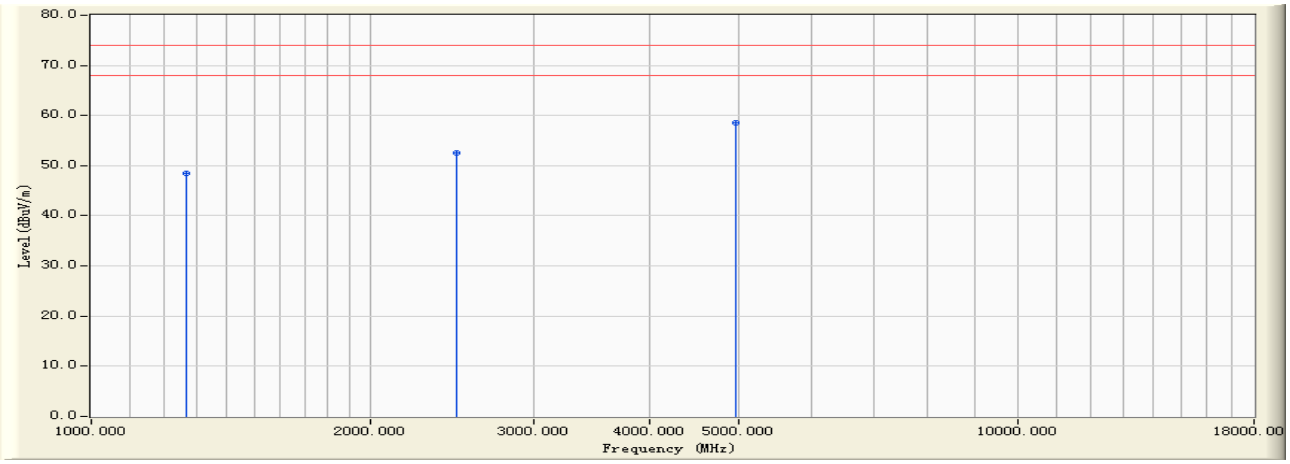


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1245.370	-5.470	43.580	38.110	-15.890	54.000	AVERAGE
2		2480.360	0.662	42.570	43.232	-10.768	54.000	AVERAGE
3	*	4963.520	7.654	37.420	45.074	-8.926	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:06**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2462M**

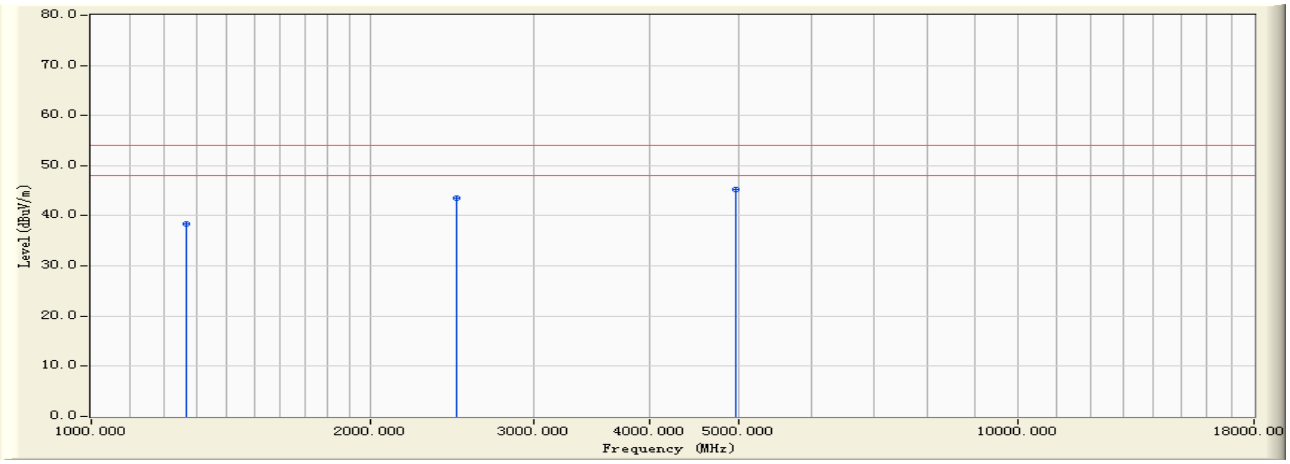


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1264.320	-5.263	53.680	48.417	-25.583	74.000	PEAK
2		2480.340	0.661	51.840	52.502	-21.498	74.000	PEAK
3	*	4964.230	7.655	50.870	58.525	-15.475	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:06**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2462M**

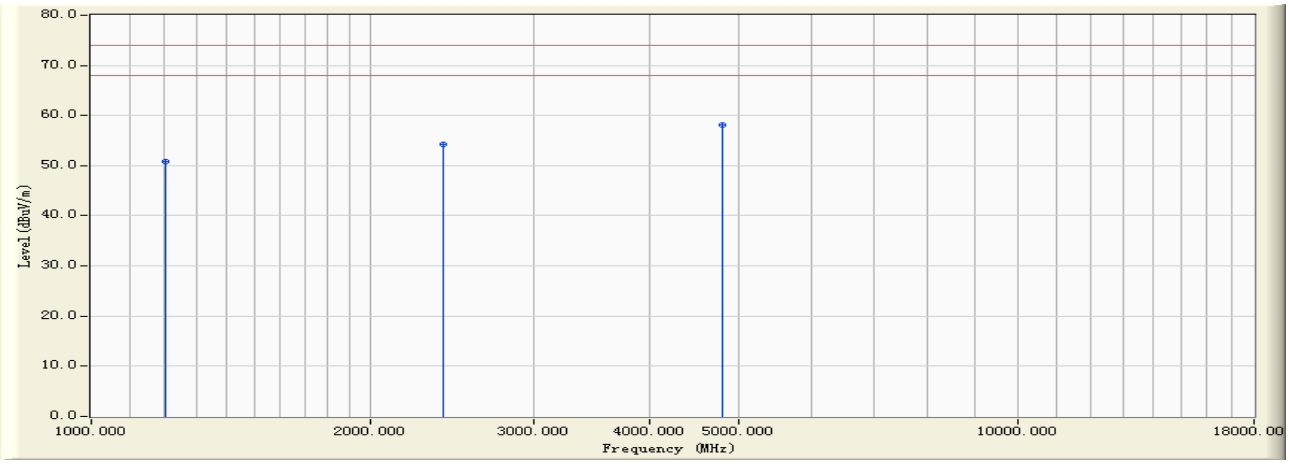


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1264.320	-5.263	43.570	38.307	-15.693	54.000	AVERAGE
2		2480.340	0.661	42.840	43.502	-10.498	54.000	AVERAGE
3	*	4964.230	7.655	37.540	45.195	-8.805	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:12**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2412M**

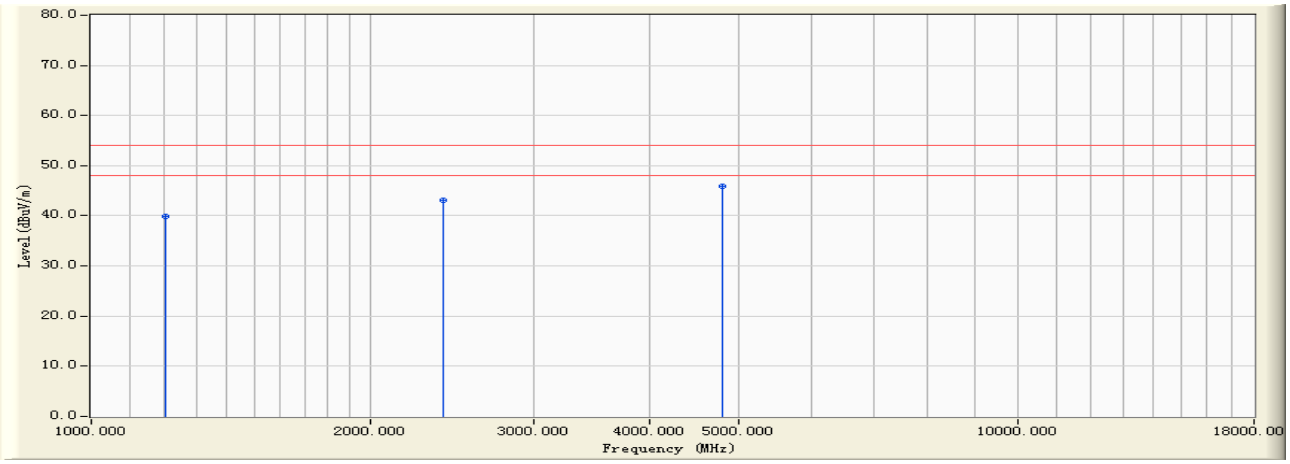


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1202.360	-5.931	56.840	50.909	-23.091	74.000	PEAK
2		2402.540	0.396	53.840	54.236	-19.764	74.000	PEAK
3	*	4805.670	7.302	50.890	58.192	-15.808	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:12**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2412M**

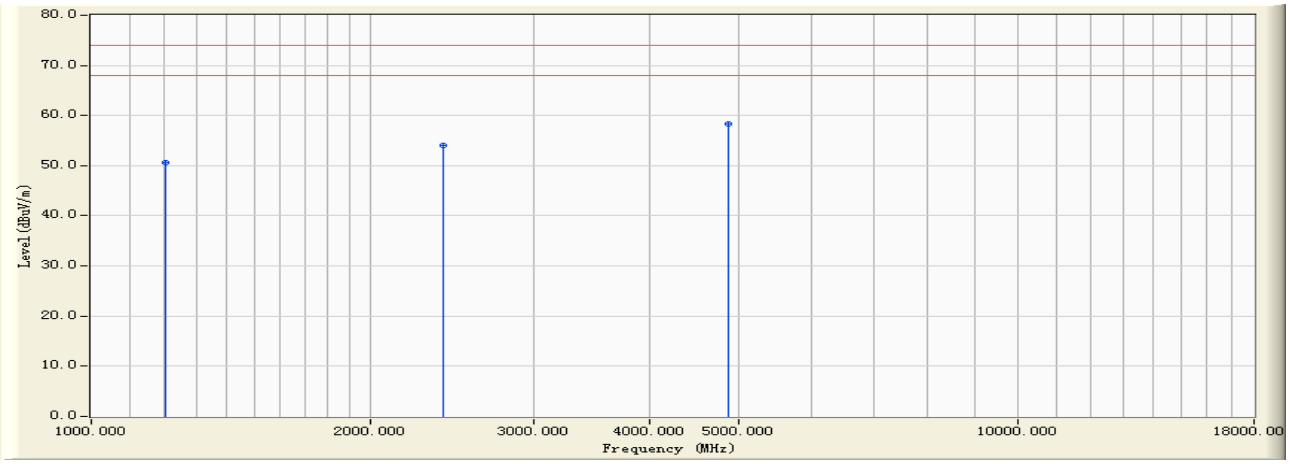


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1202.360	-5.931	45.850	39.919	-14.081	54.000	AVERAGE
2		2402.540	0.396	42.680	43.076	-10.924	54.000	AVERAGE
3	*	4805.670	7.302	38.640	45.942	-8.058	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:13**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2412M**

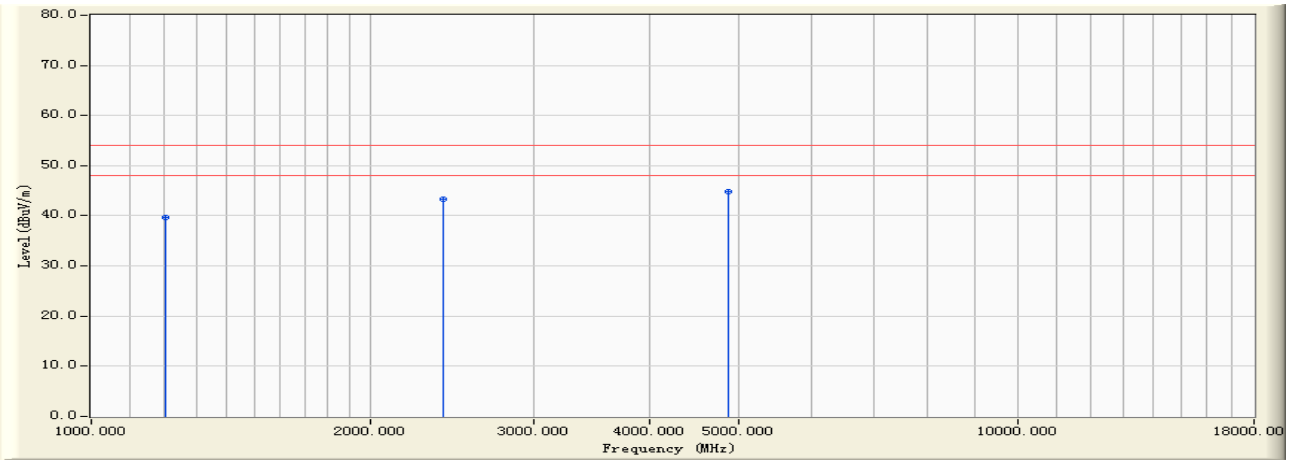


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1203.630	-5.922	56.580	50.658	-23.342	74.000	PEAK
2		2402.540	0.396	53.580	53.976	-20.024	74.000	PEAK
3	*	4868.530	7.446	50.870	58.316	-15.684	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:13**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2412M**

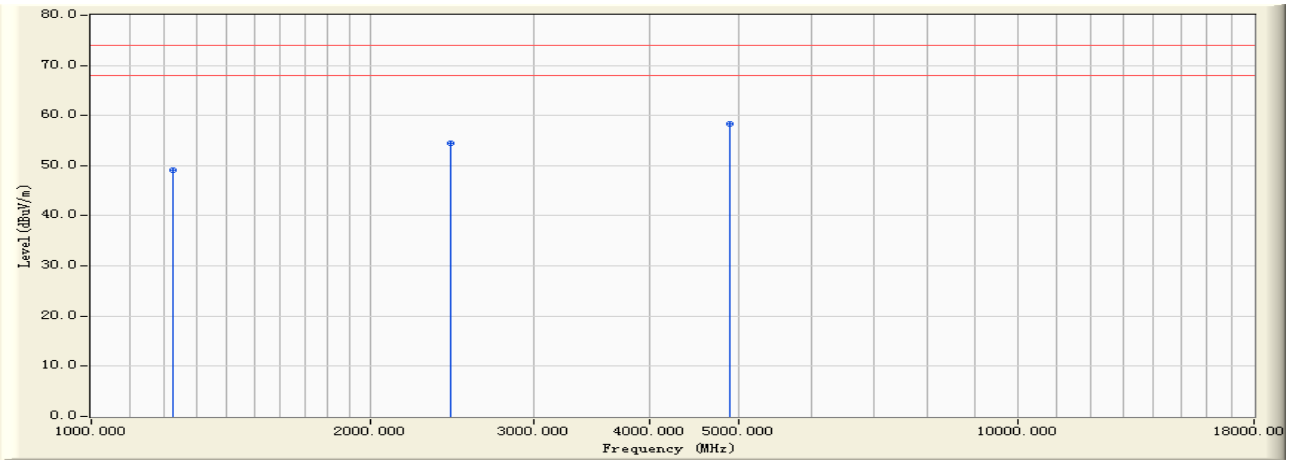


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1203.630	-5.922	45.680	39.758	-14.242	54.000	AVERAGE
2		2402.540	0.396	42.950	43.346	-10.654	54.000	AVERAGE
3	*	4868.530	7.446	37.410	44.856	-9.144	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:14**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2437M**

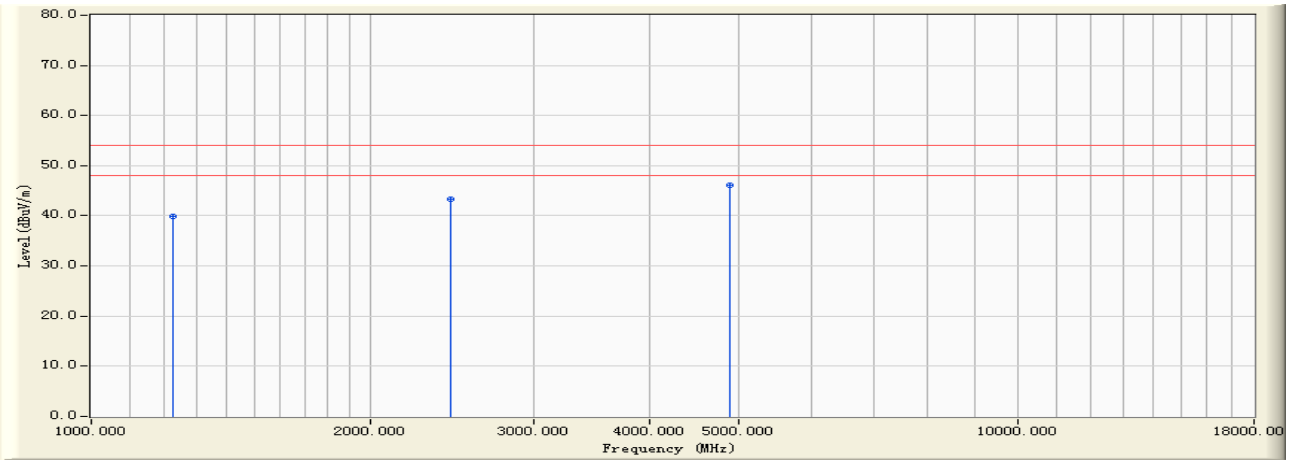


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1223.500	-5.713	54.860	49.146	-24.854	74.000	PEAK
2		2441.630	0.524	53.890	54.413	-19.587	74.000	PEAK
3	*	4895.360	7.509	50.890	58.399	-15.601	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:14**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2437M**

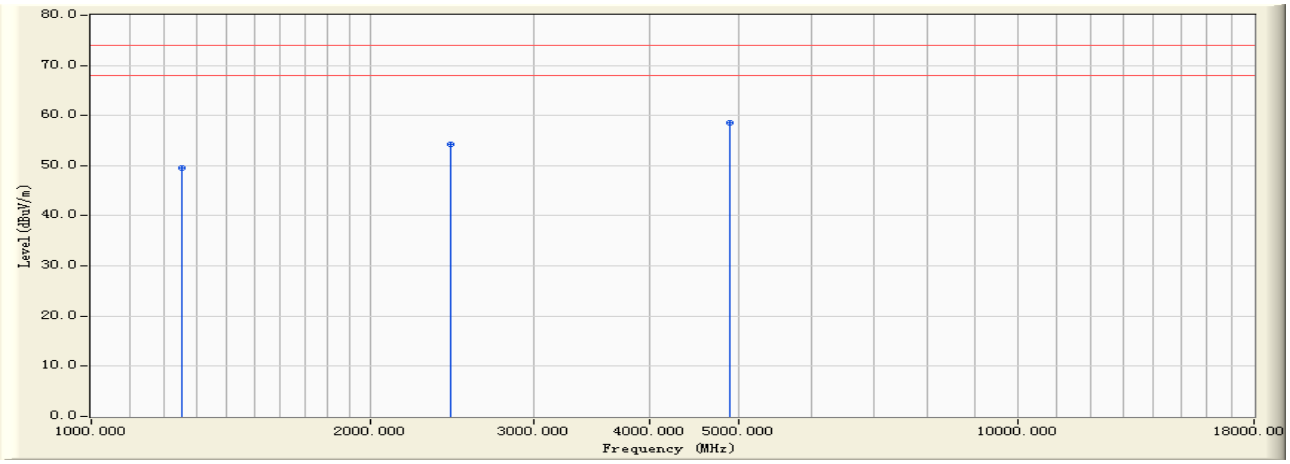


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1223.500	-5.713	45.670	39.956	-14.044	54.000	AVERAGE
2		2441.630	0.524	42.890	43.413	-10.587	54.000	AVERAGE
3	*	4895.360	7.509	38.540	46.049	-7.951	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:16**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2437M**

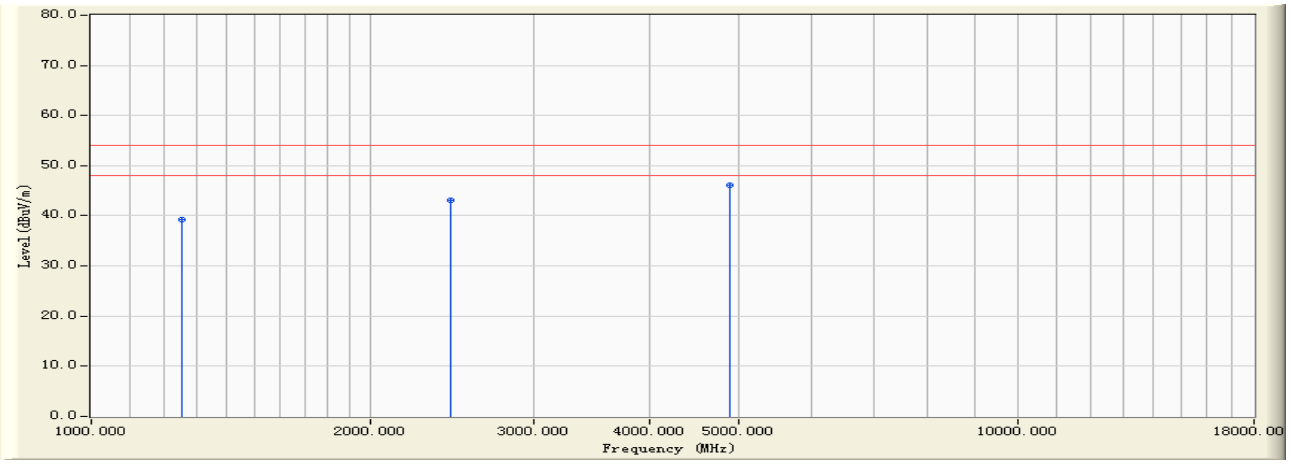


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1254.650	-5.370	54.860	49.490	-24.510	74.000	PEAK
2		2441.630	0.524	53.680	54.203	-19.797	74.000	PEAK
3	*	4894.520	7.508	51.020	58.527	-15.473	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:16**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2437M**

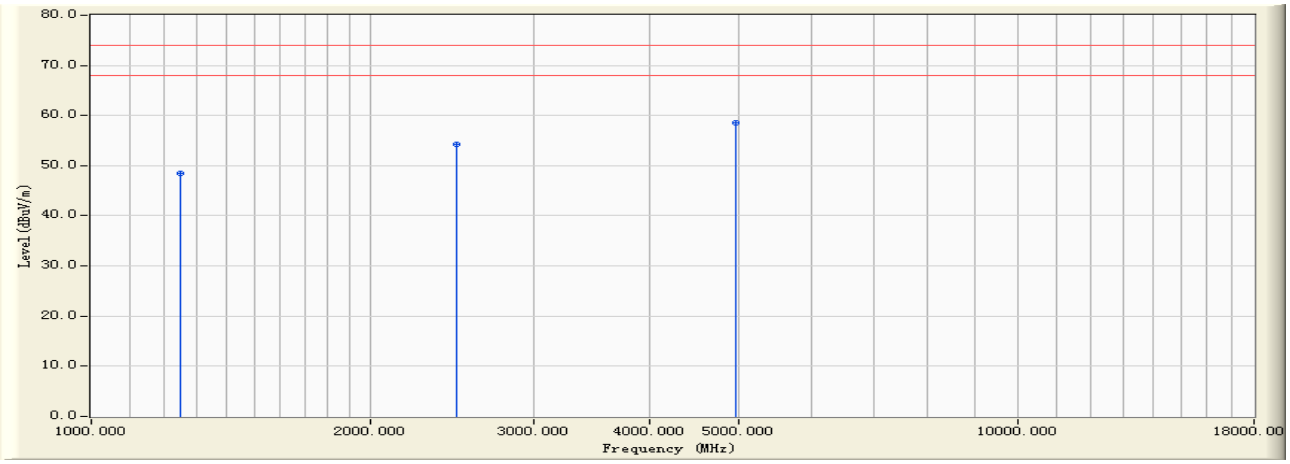


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1254.650	-5.370	44.570	39.200	-14.800	54.000	AVERAGE
2		2441.630	0.524	42.570	43.093	-10.907	54.000	AVERAGE
3	*	4894.520	7.508	38.540	46.047	-7.953	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:17**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2462M**

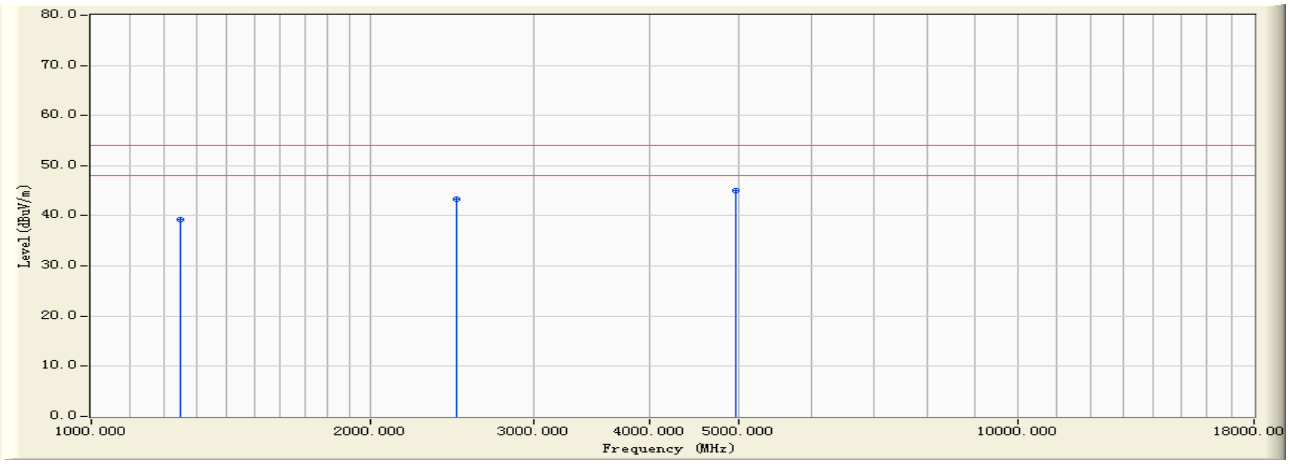


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1247.830	-5.443	53.890	48.446	-25.554	74.000	PEAK
2		2480.360	0.662	53.570	54.232	-19.768	74.000	PEAK
3	*	4968.510	7.664	50.860	58.524	-15.476	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:17**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2462M**

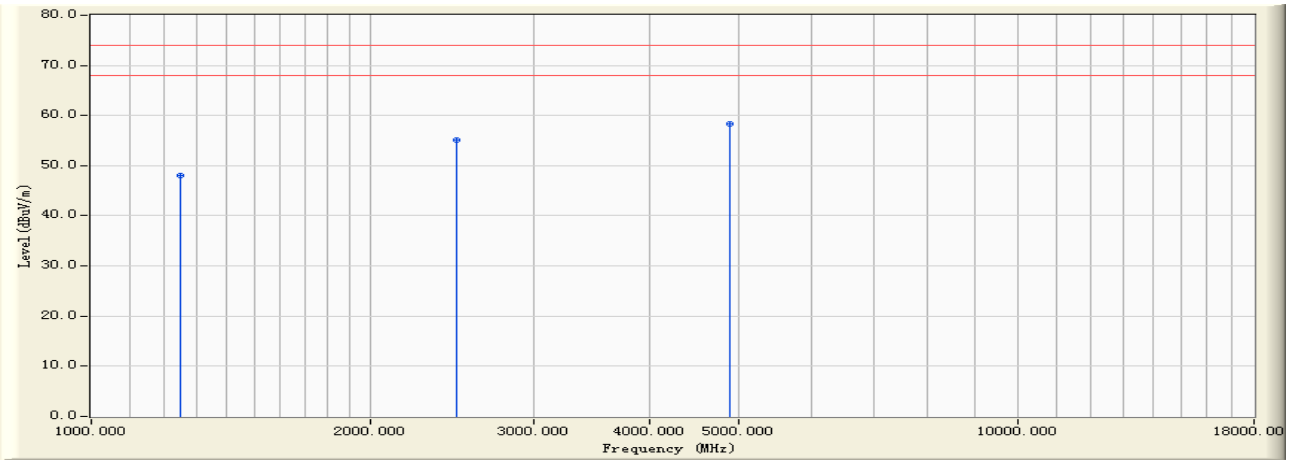


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1247.830	-5.443	44.670	39.226	-14.774	54.000	AVERAGE
2		2480.360	0.662	42.580	43.242	-10.758	54.000	AVERAGE
3	*	4968.510	7.664	37.420	45.084	-8.916	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:18**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2462M**

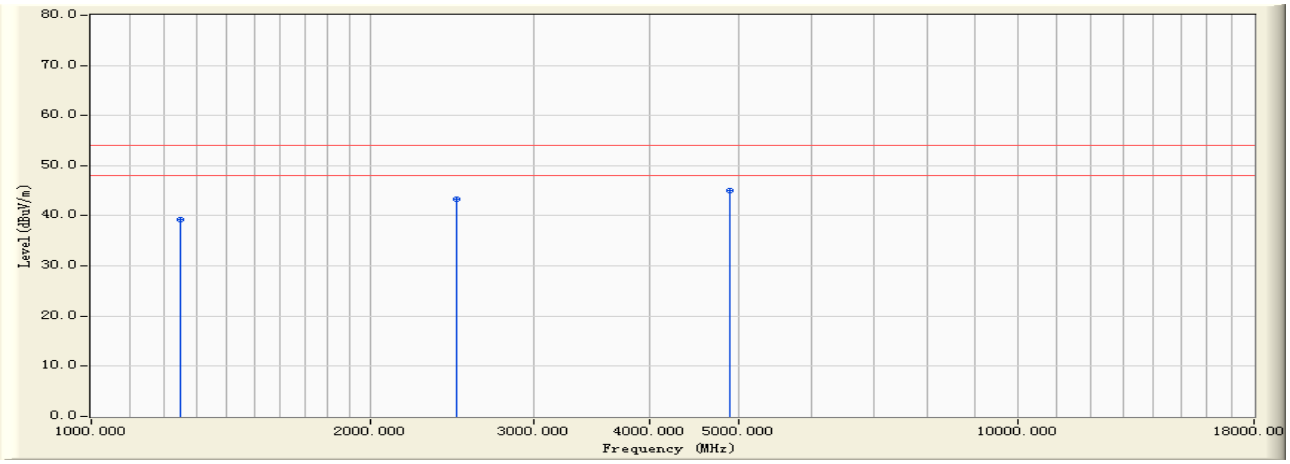


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1247.890	-5.443	53.570	48.127	-25.873	74.000	PEAK
2		2480.360	0.662	54.530	55.192	-18.808	74.000	PEAK
3	*	4895.340	7.509	50.820	58.329	-15.671	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:18**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2462M**

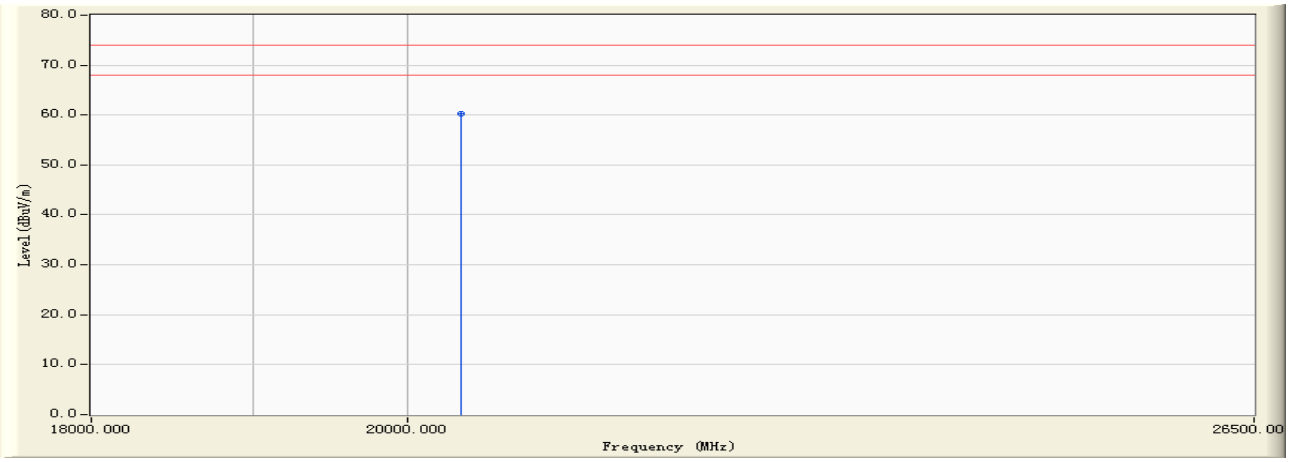


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1247.890	-5.443	44.590	39.147	-14.853	54.000	AVERAGE
2		2480.360	0.662	42.580	43.242	-10.758	54.000	AVERAGE
3	*	4895.340	7.509	37.580	45.089	-8.911	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:39**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- HORIZONTAL**
Power : AC 120V/60Hz	**Note :Mode 1: Transmit by 802.11b 2412M**

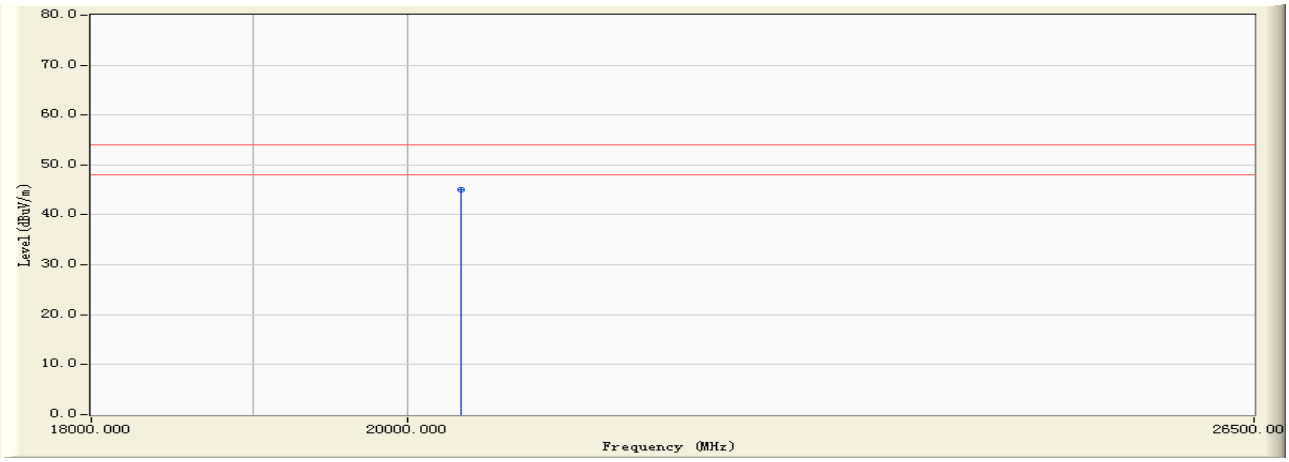


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20356.000	9.872	50.350	60.222	-13.778	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:39**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2412M**

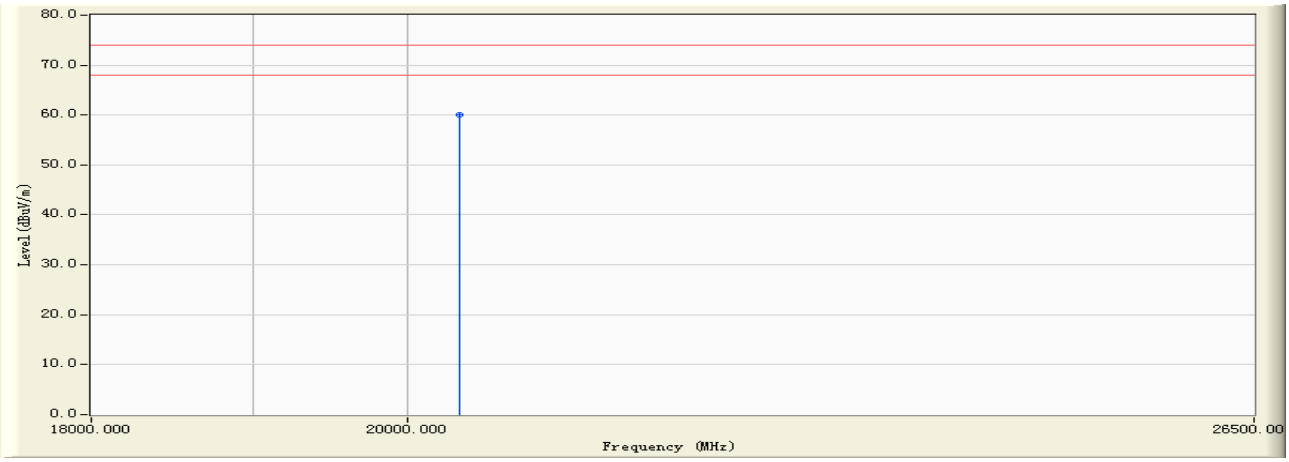


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20356.000	9.872	35.210	45.082	-8.918	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:40**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2412M**

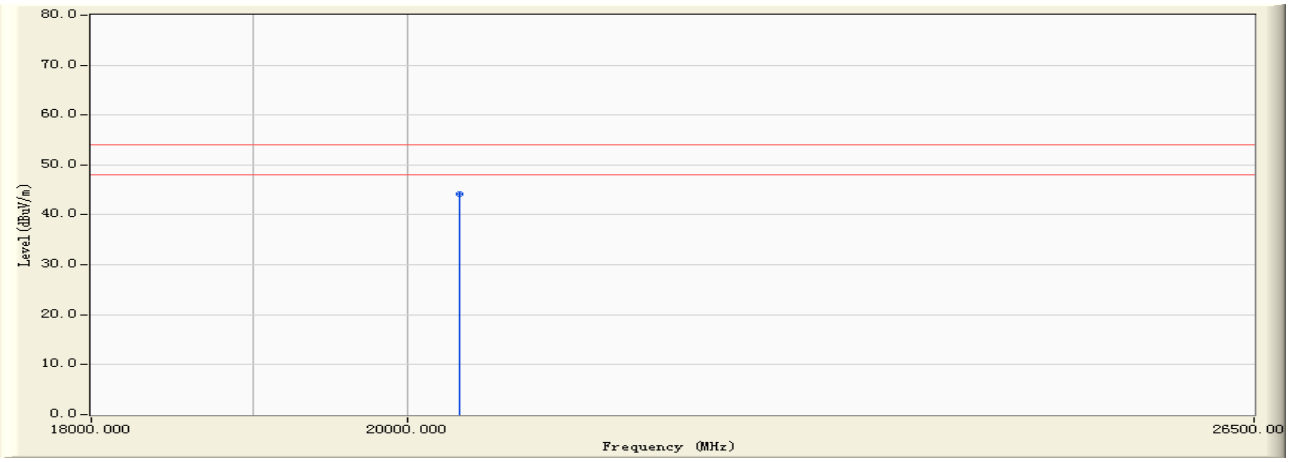


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20349.000	9.871	50.230	60.101	-13.899	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:40**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2412M**

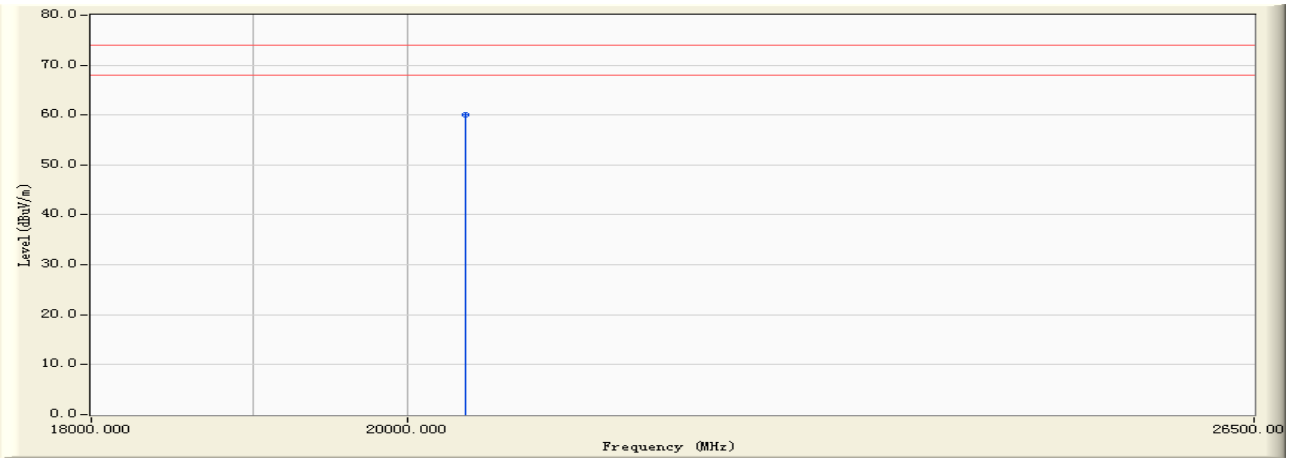


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20349.000	9.871	34.250	44.121	-9.879	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:40**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2437M**

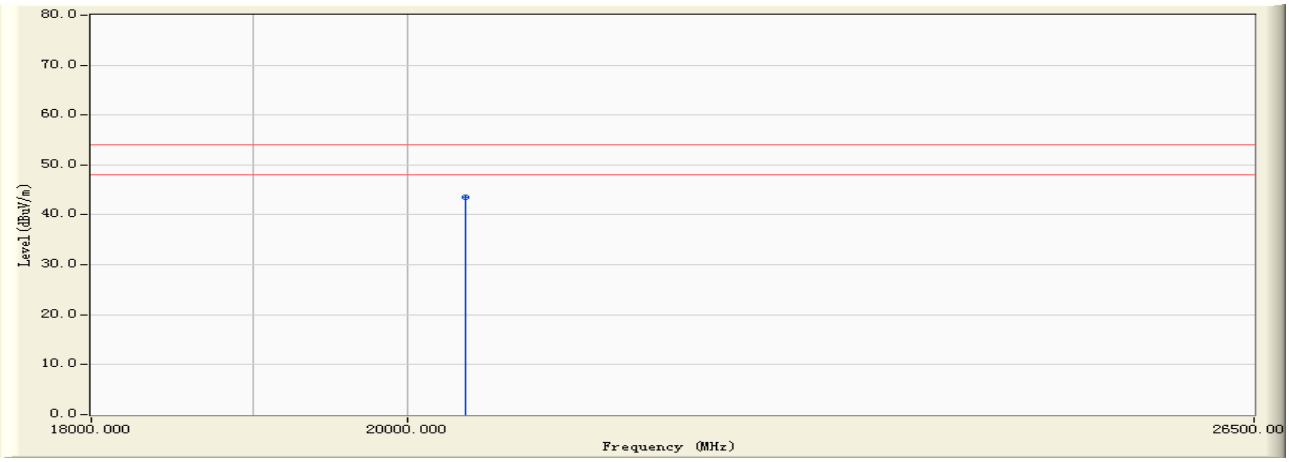


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20389.000	9.870	50.250	60.120	-13.880	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:40**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2437M**

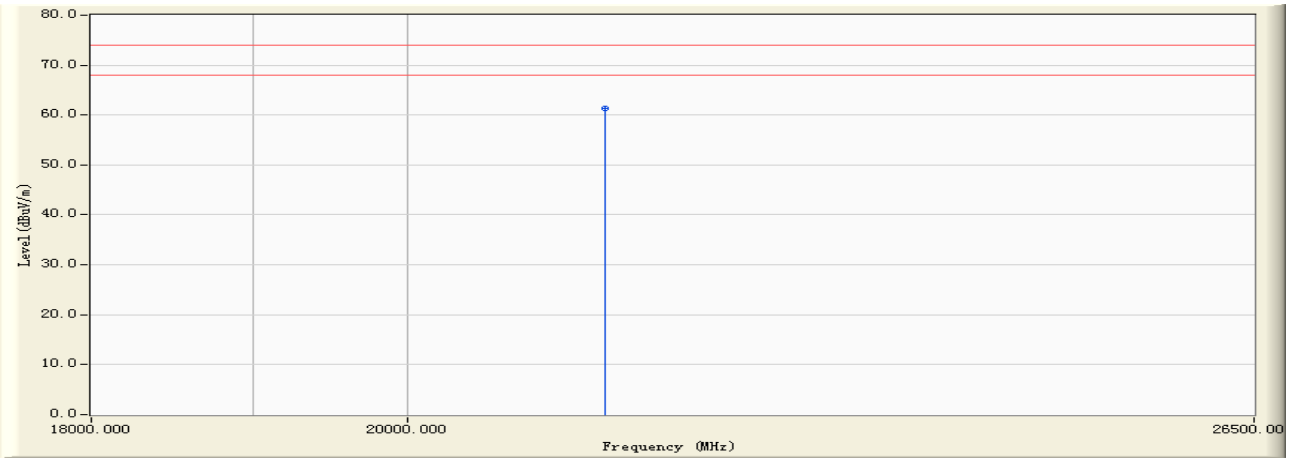


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20389.000	9.870	33.680	43.550	-10.450	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:41**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2437M**

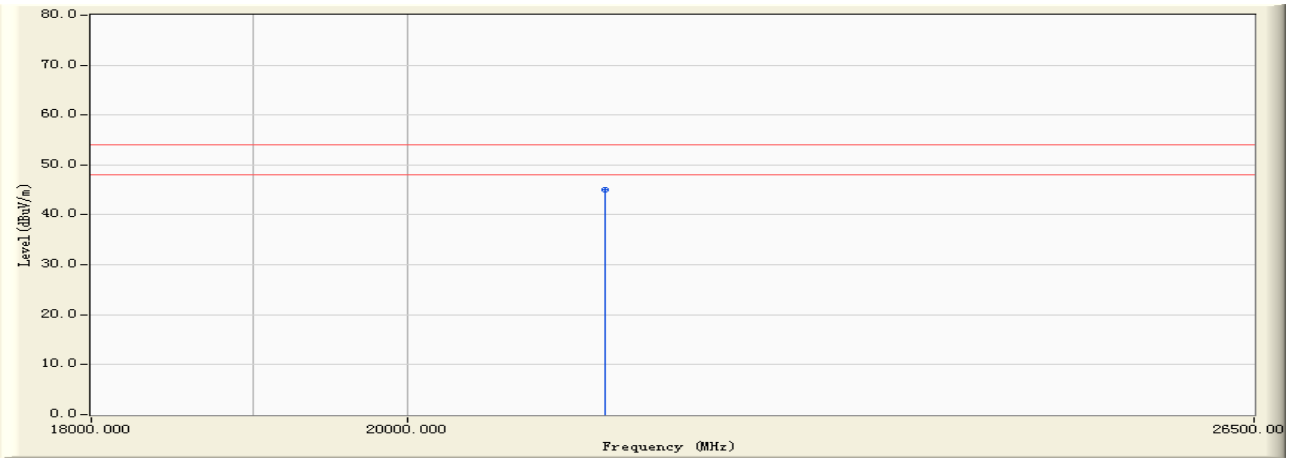


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21357.000	10.994	50.360	61.353	-12.647	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:41**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2437M**

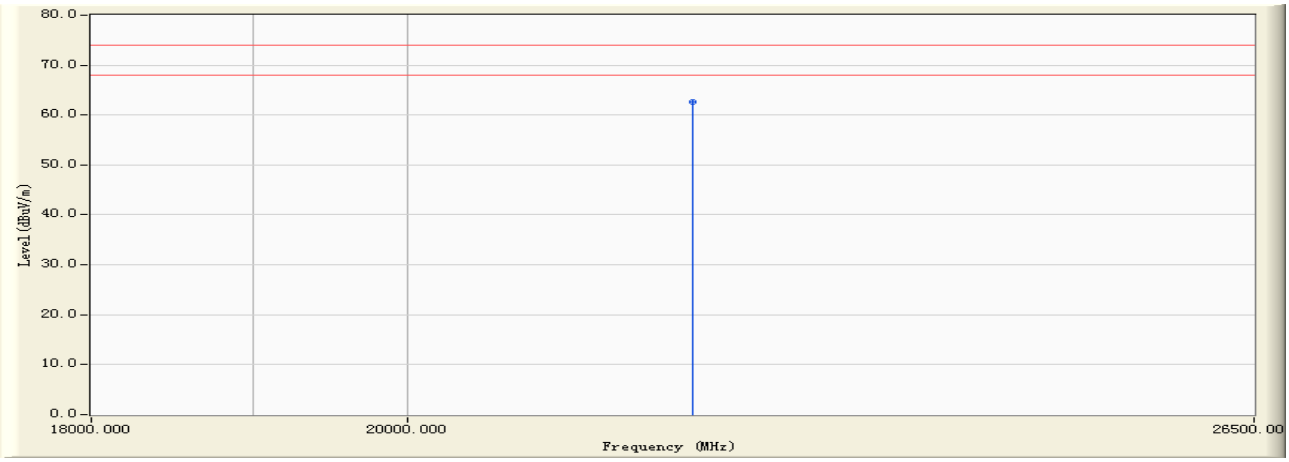


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21357.000	10.994	34.020	45.013	-8.987	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:41**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2462M**

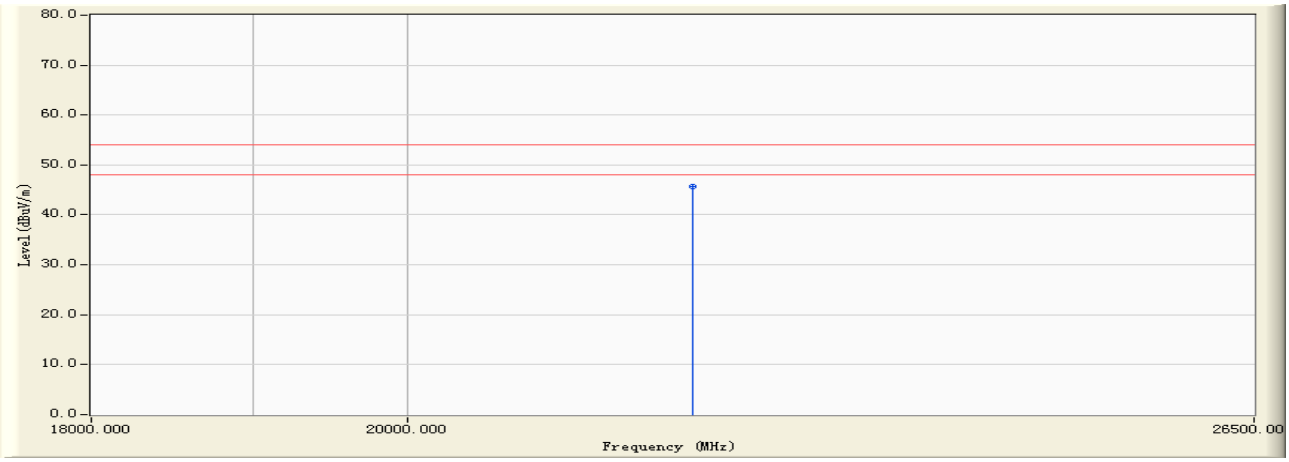


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21986.000	12.248	50.370	62.618	-11.382	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:41**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2462M**

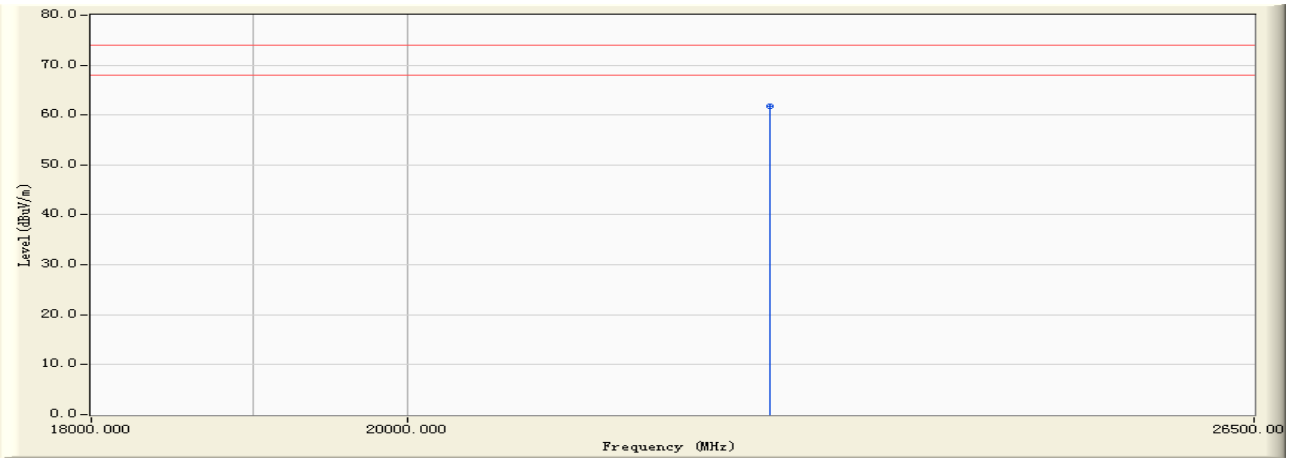


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21986.000	12.248	33.540	45.788	-8.212	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:42**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2462M**

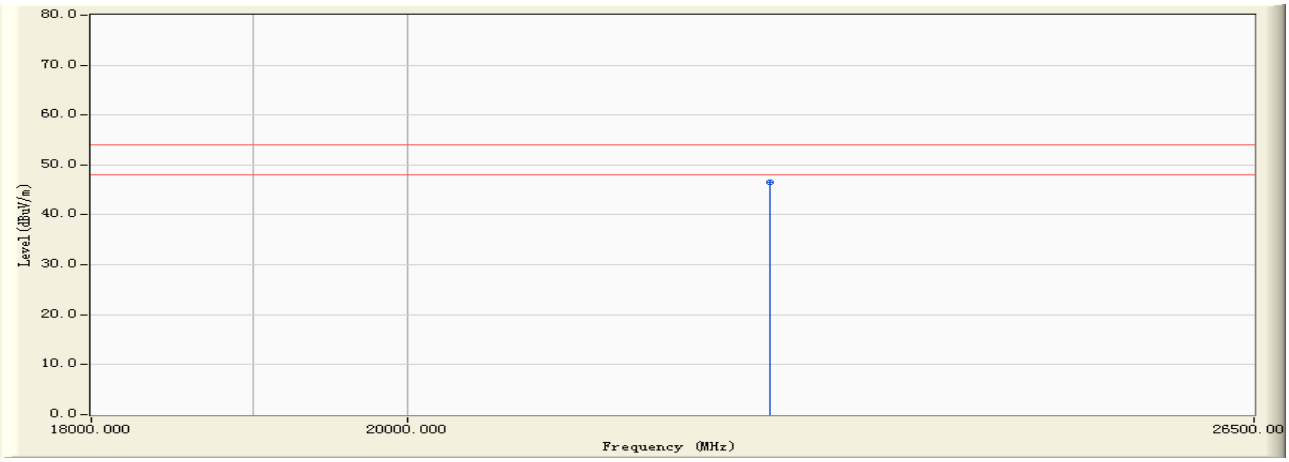


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22561.000	13.351	48.370	61.721	-12.279	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:42**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 1: Transmit by 802.11b 2462M**

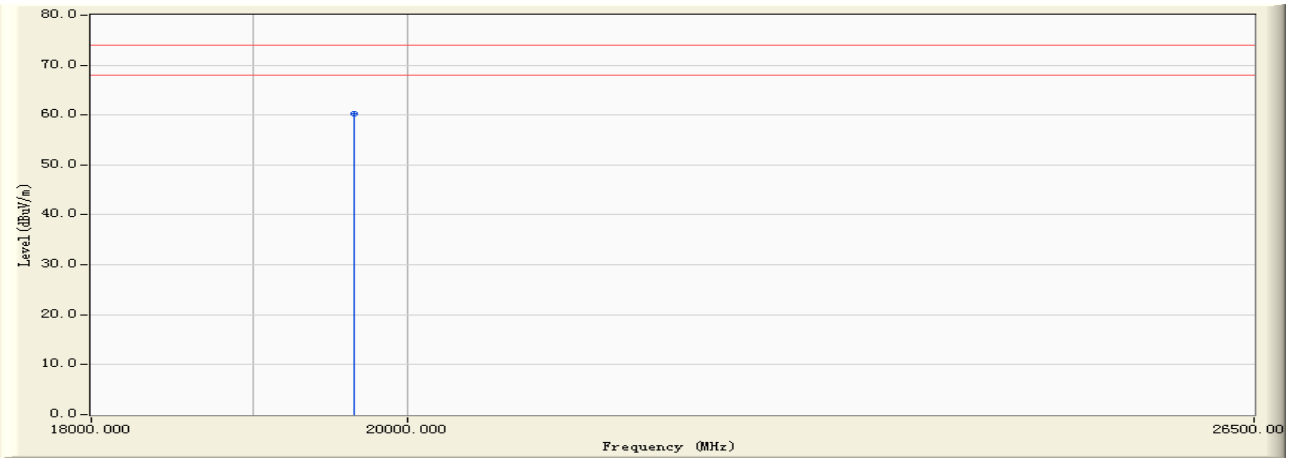


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22561.000	13.351	33.240	46.591	-7.409	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:44**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2412M**

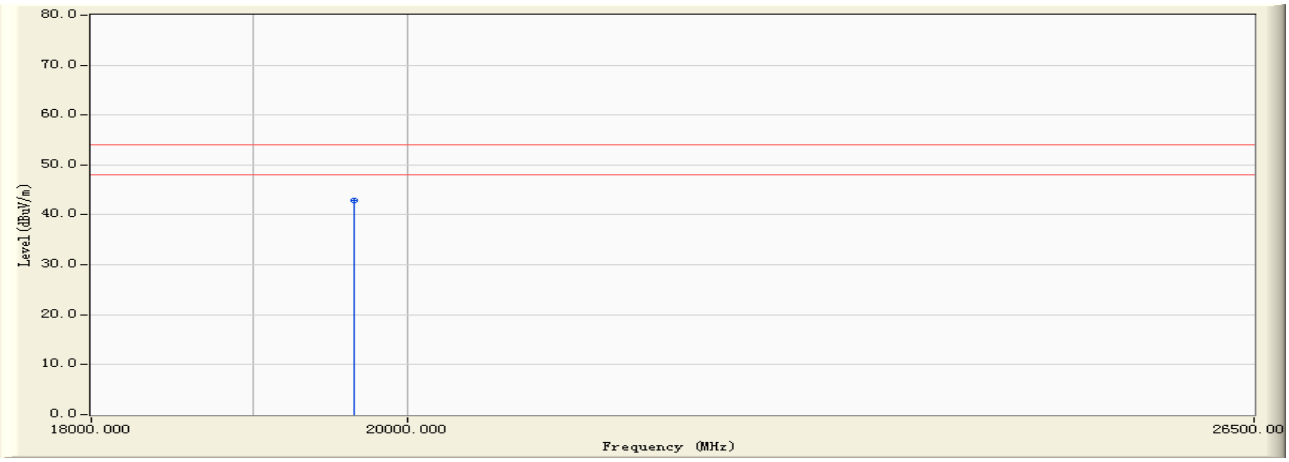


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19646.000	9.943	50.350	60.293	-13.707	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:44**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2412M**

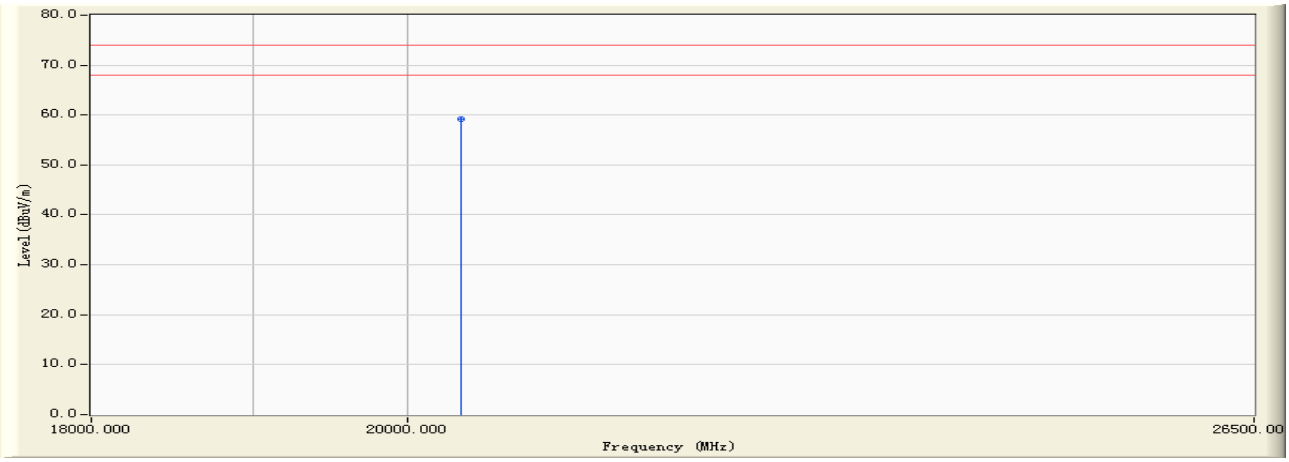


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19646.000	9.943	32.980	42.923	-11.077	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:45**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2412M**

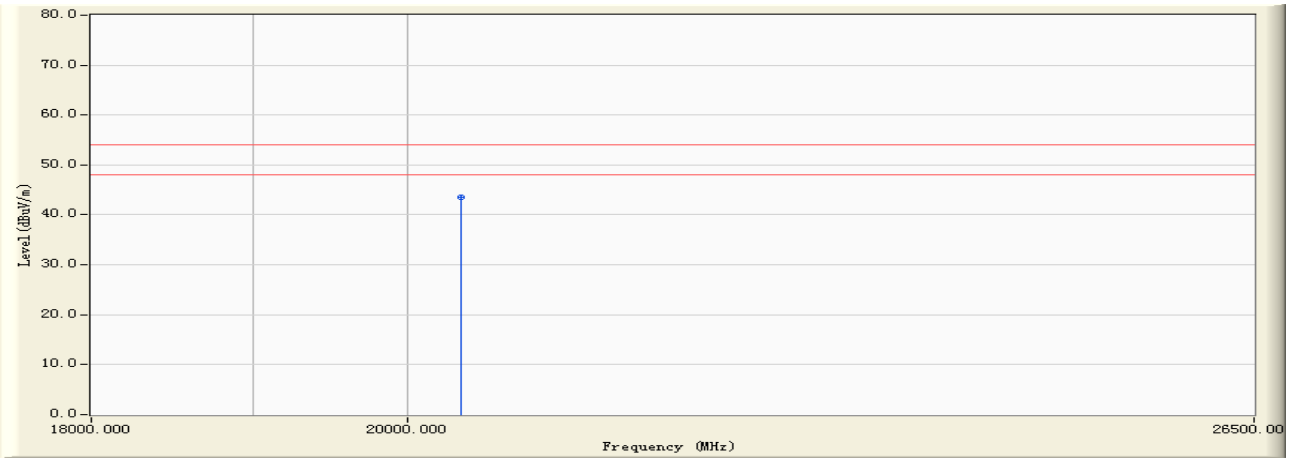


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20358.000	9.872	49.360	59.232	-14.768	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:45**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2412M**

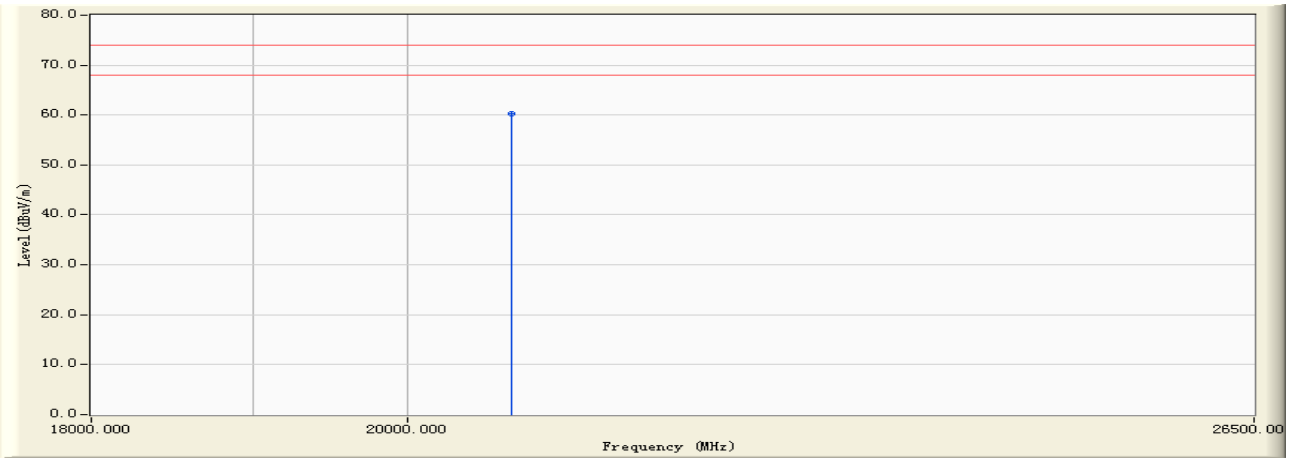


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20358.000	9.872	33.590	43.462	-10.538	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:45**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2437M**

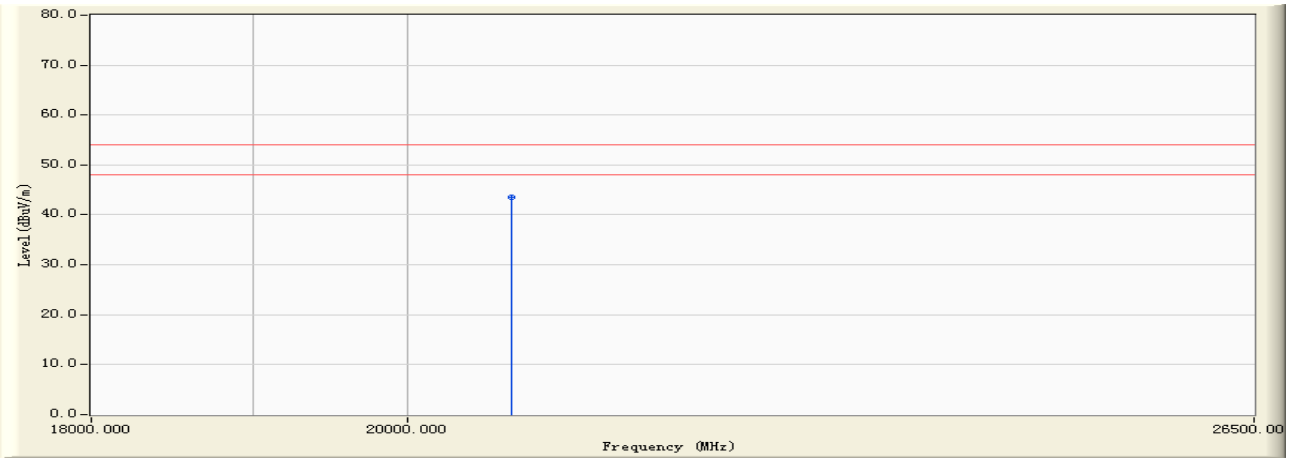


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20698.000	10.026	50.330	60.356	-13.644	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:45**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2437M**

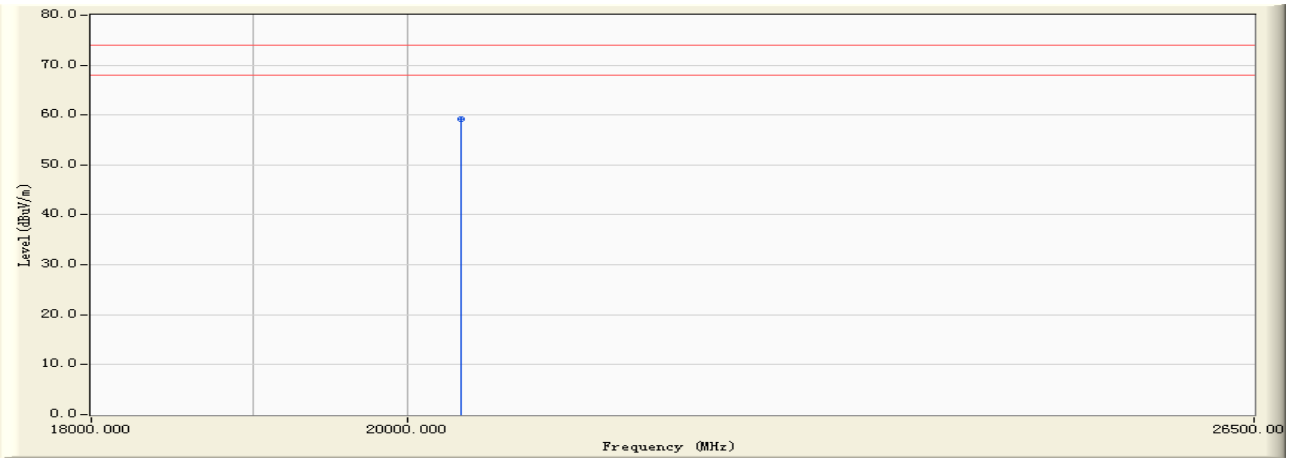


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20698.000	10.026	33.580	43.606	-10.394	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:46**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2437M**

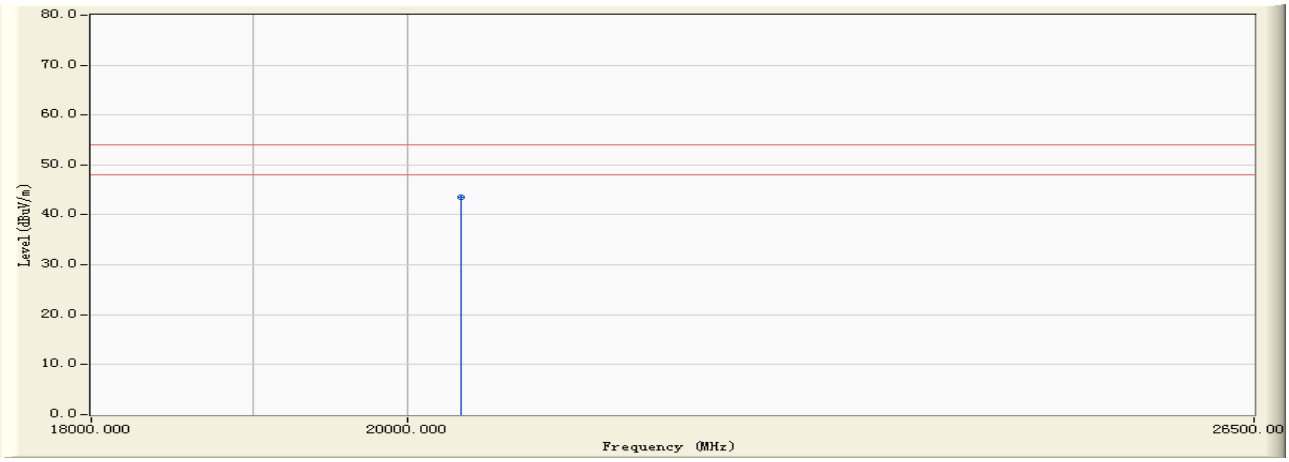


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20359.000	9.872	49.370	59.242	-14.758	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:46**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2437M**

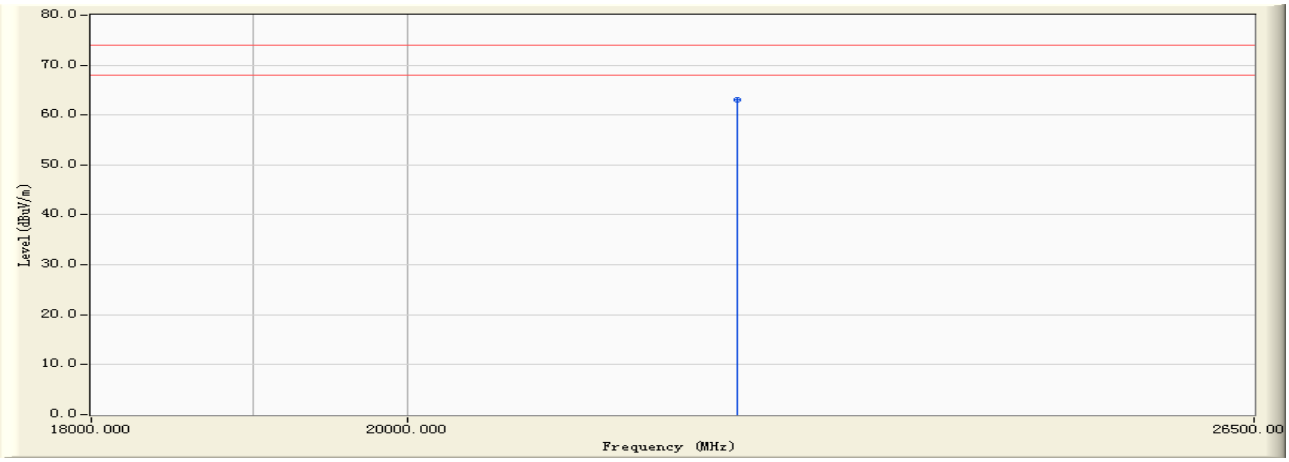


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20359.000	9.872	33.580	43.452	-10.548	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:47**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2462M**

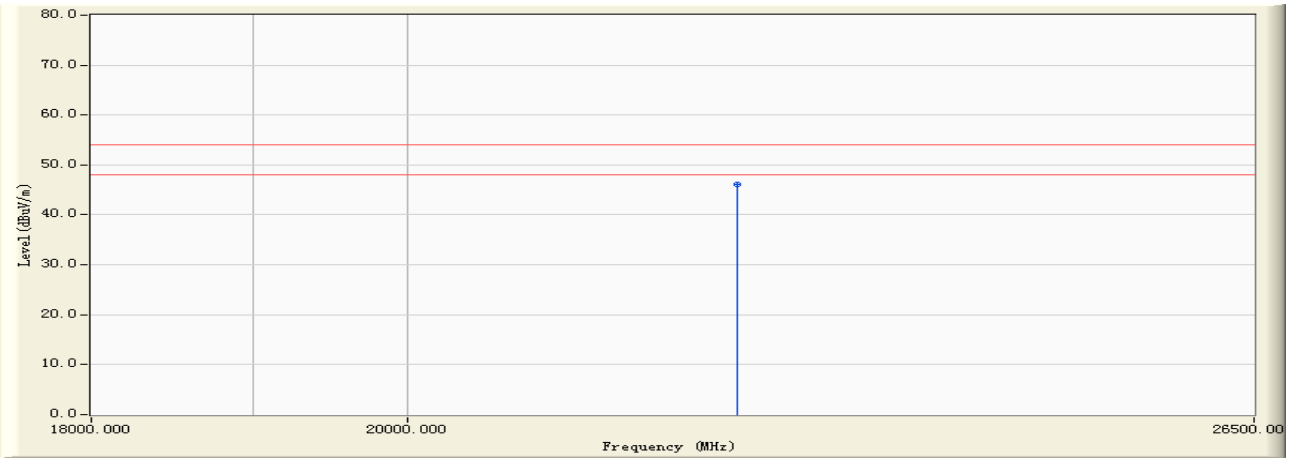


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22314.000	12.859	50.280	63.139	-10.861	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:47**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2462M**

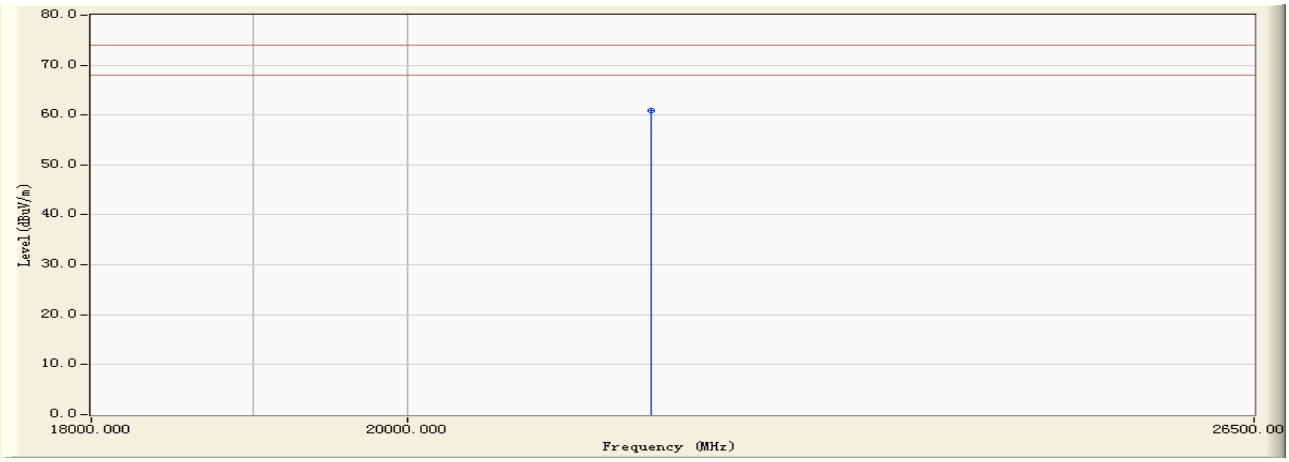


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22314.000	12.859	33.260	46.119	-7.881	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:47**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2462M**

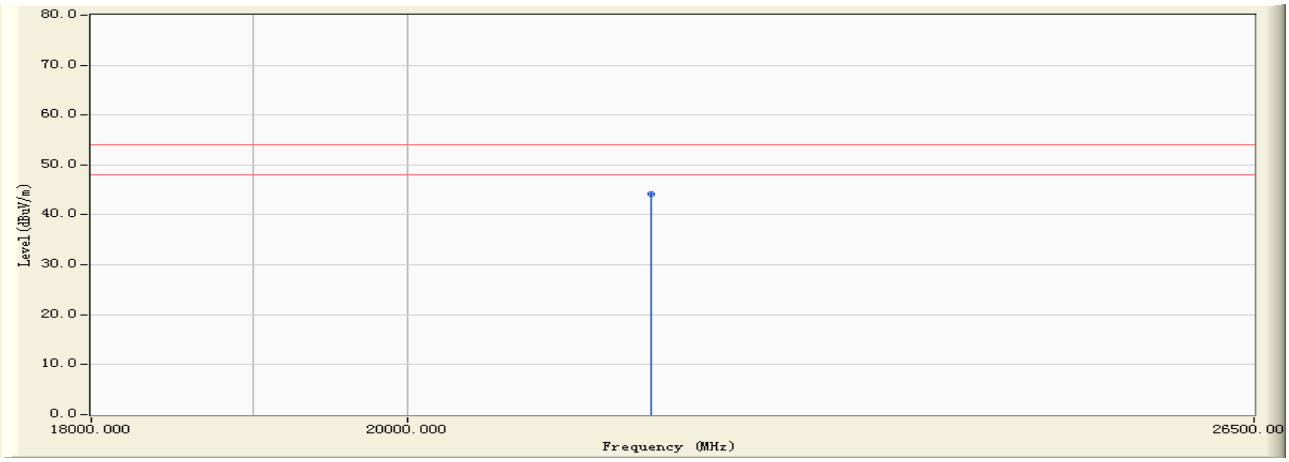


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21687.000	11.622	49.370	60.992	-13.008	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:47**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 2: Transmit by 802.11g 2462M**

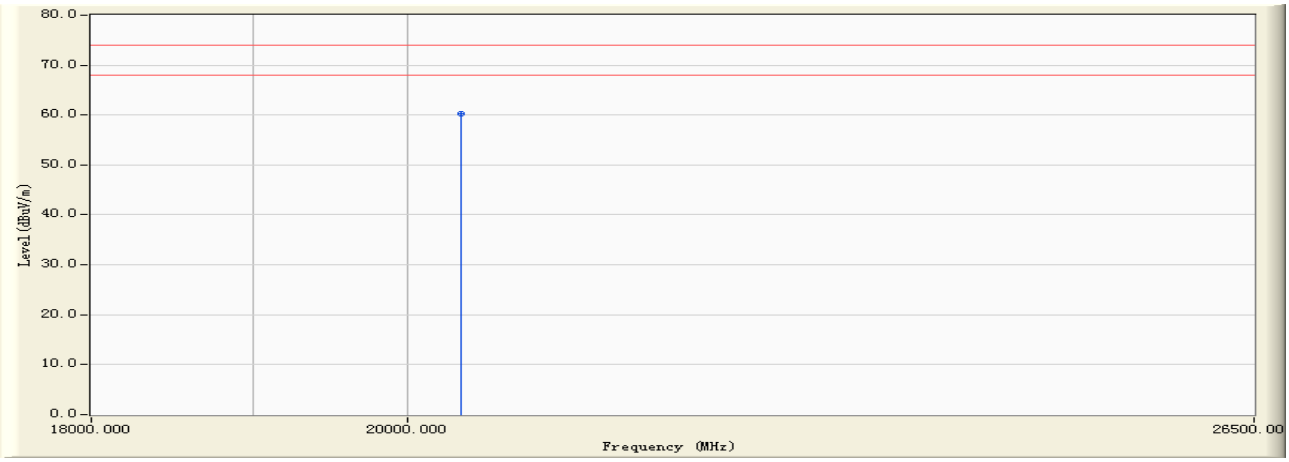


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21687.000	11.622	32.580	44.202	-9.798	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:50**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2412M**

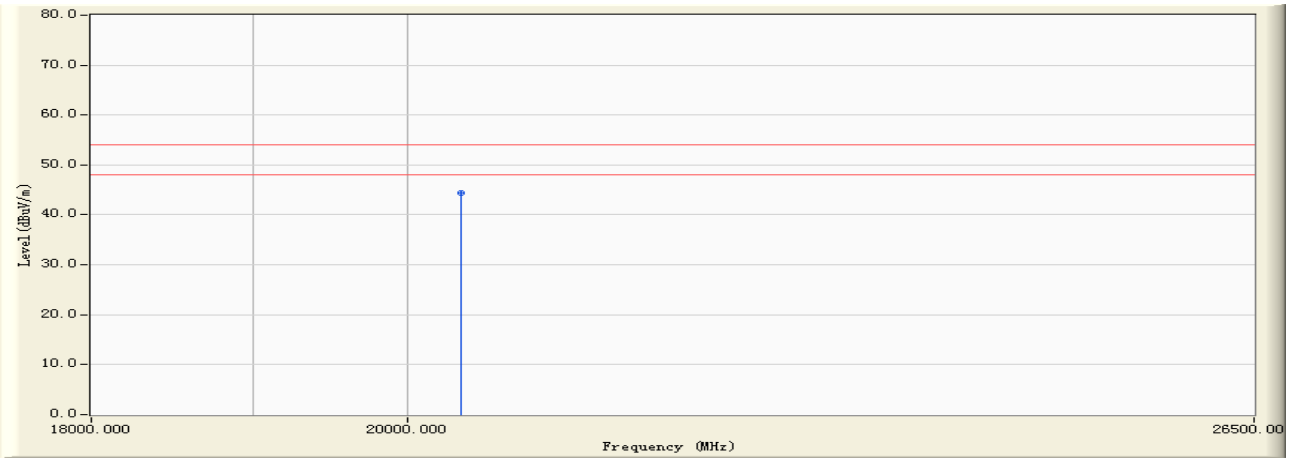


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20359.000	9.872	50.310	60.182	-13.818	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:50**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2412M**

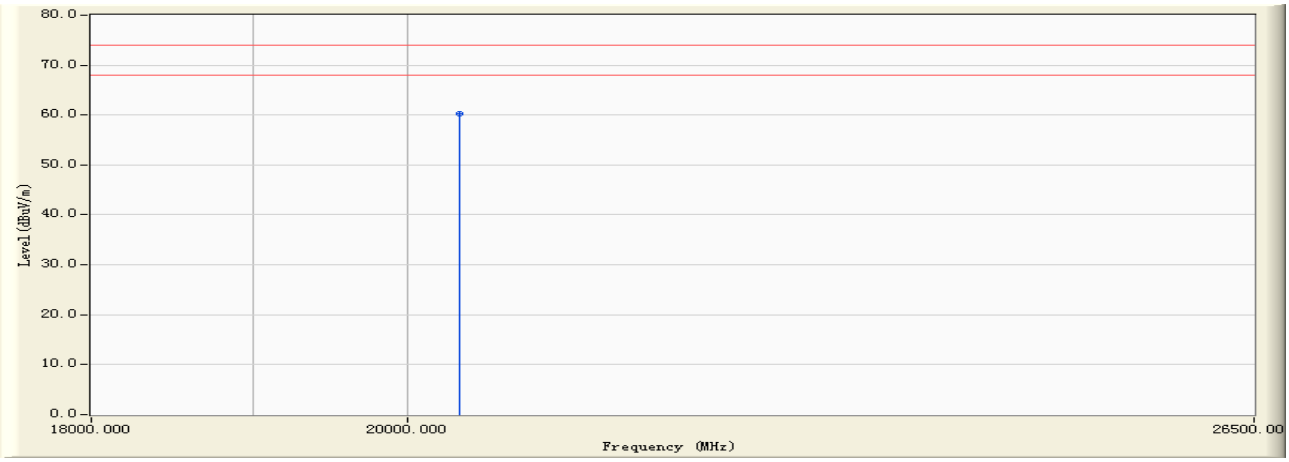


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20359.000	9.872	34.520	44.392	-9.608	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:50**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2412M**

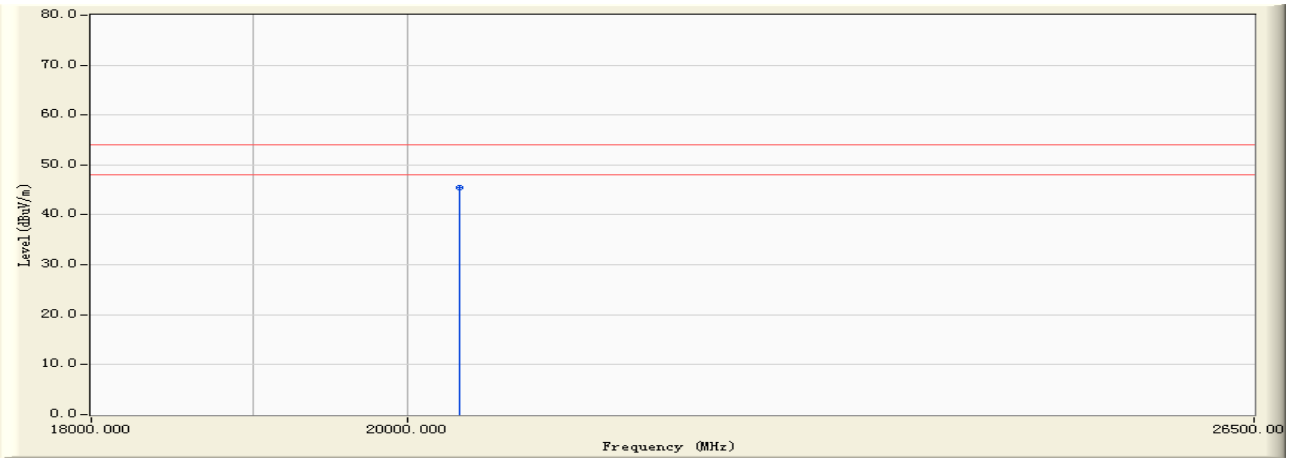


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20349.000	9.871	50.350	60.221	-13.779	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:50**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2412M**

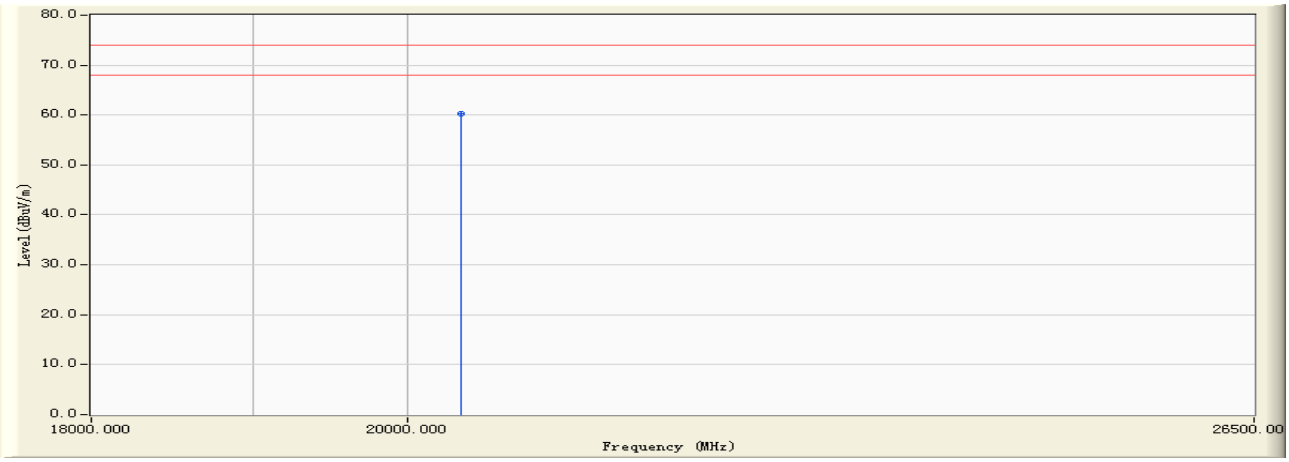


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20349.000	9.871	35.610	45.481	-8.519	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:51**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2437M**

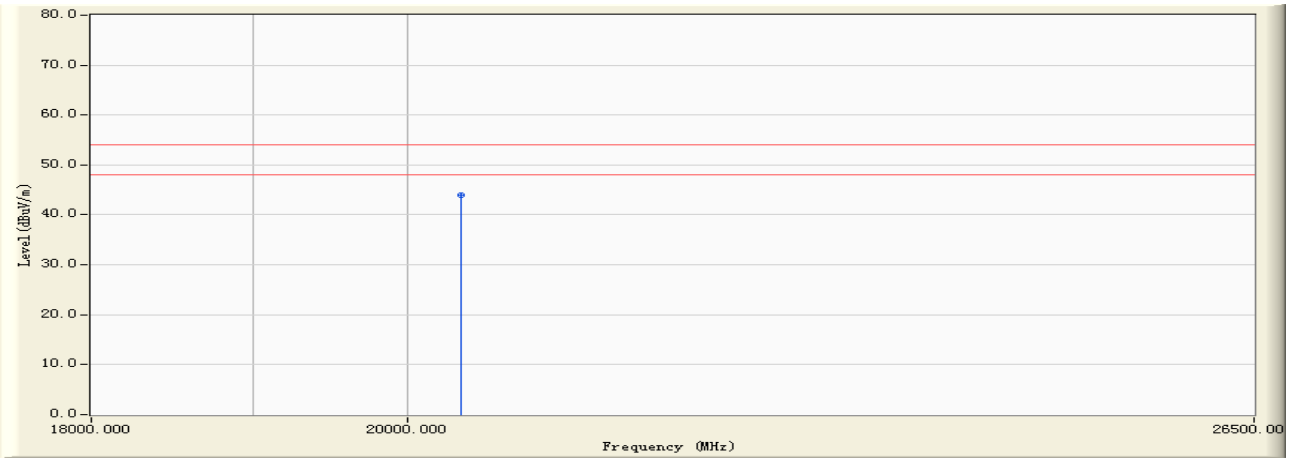


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20351.000	9.872	50.340	60.212	-13.788	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:51**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2437M**

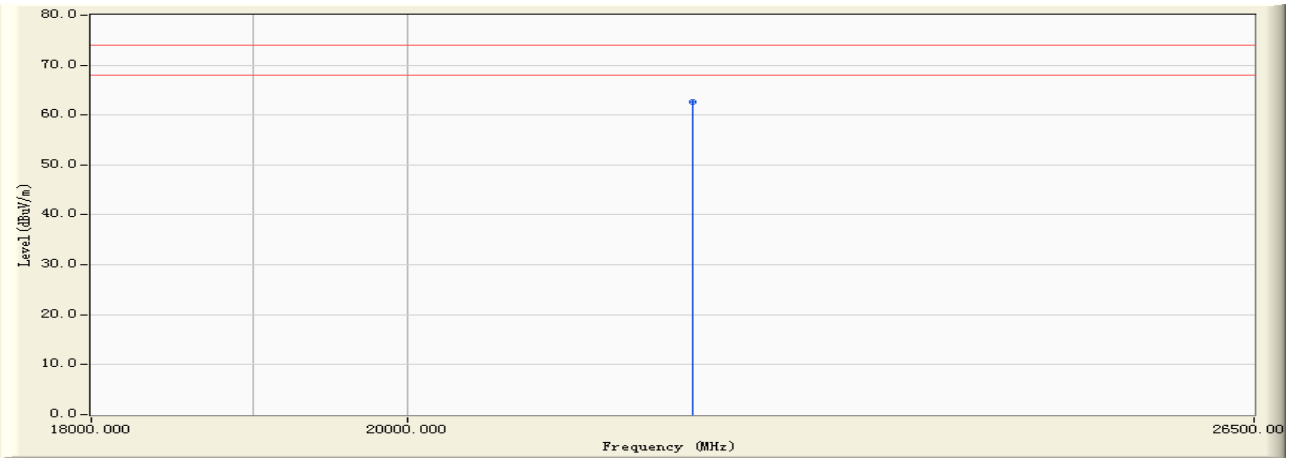


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20351.000	9.872	34.200	44.072	-9.928	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:52**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D((18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2437M**

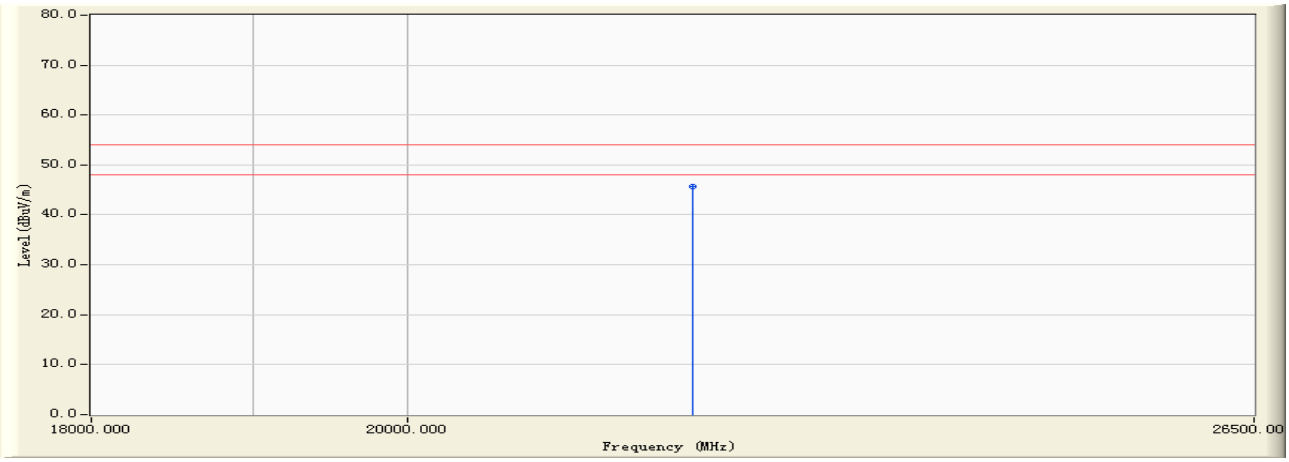


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21986.000	12.248	50.320	62.568	-11.432	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:52**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2437M**

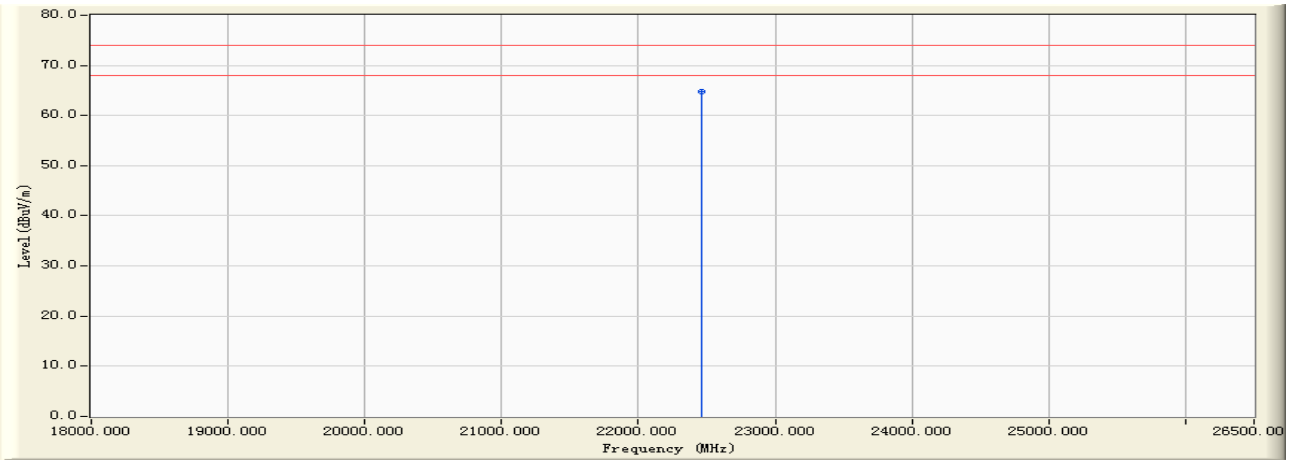


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21986.000	12.248	33.540	45.788	-8.212	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 19:55**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2462M**

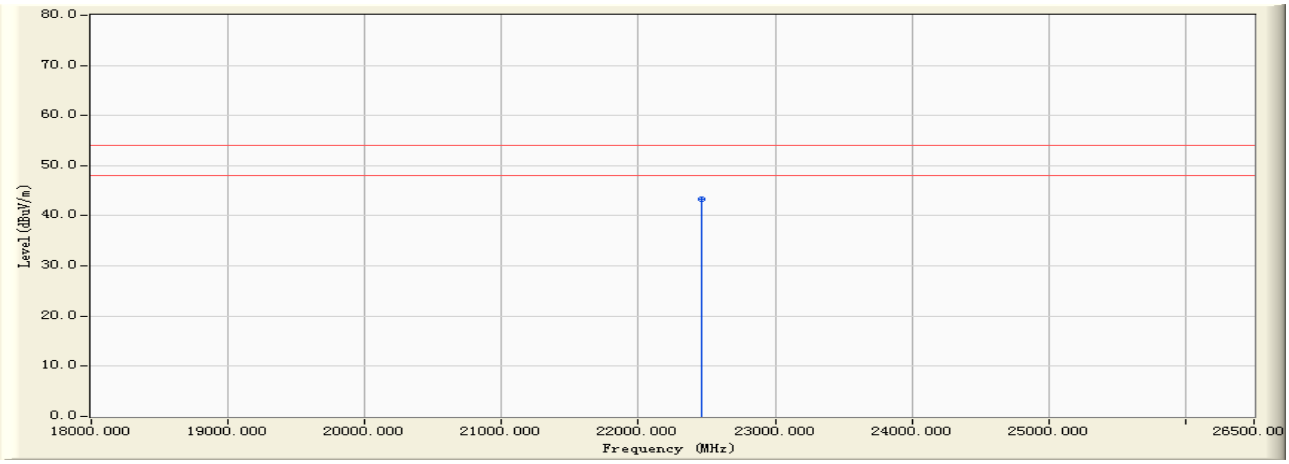


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22463.000	13.148	51.690	64.838	-9.162	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 19:55**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2462M**

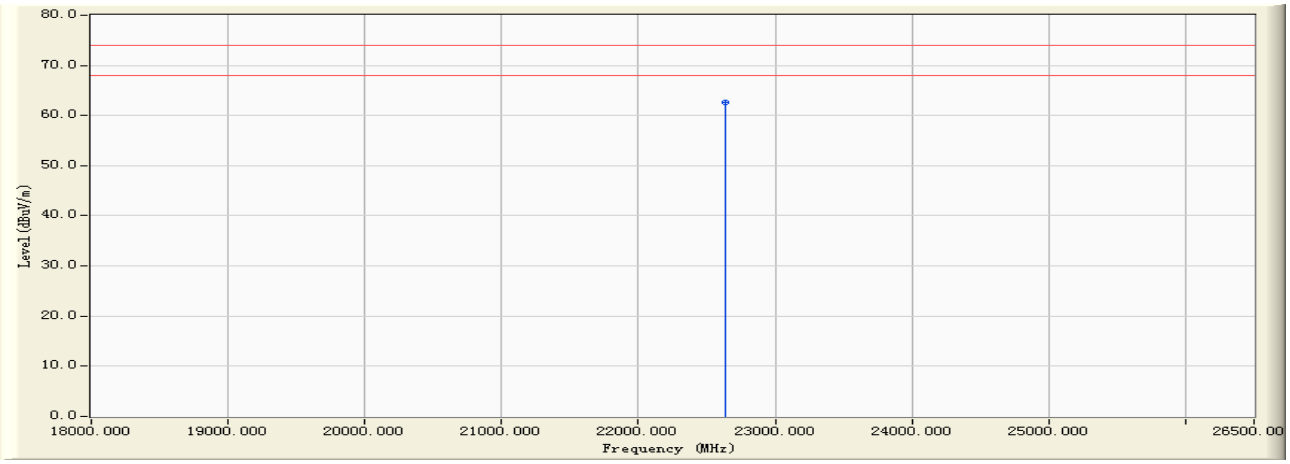


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22463.000	13.148	30.140	43.288	-10.712	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 19:55**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2462M**

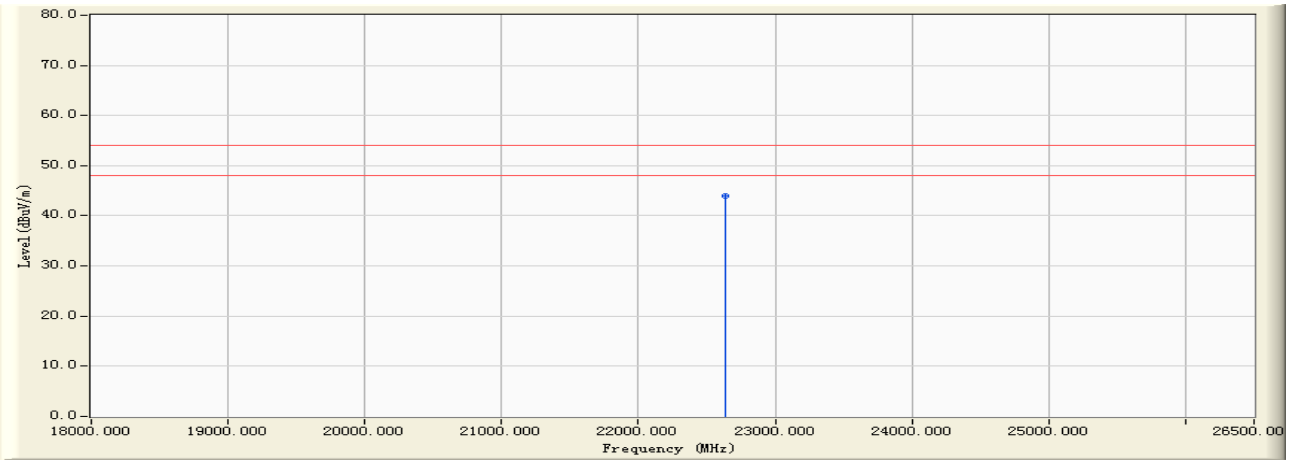


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22637.000	13.501	49.070	62.571	-11.429	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 19:55**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2462M**

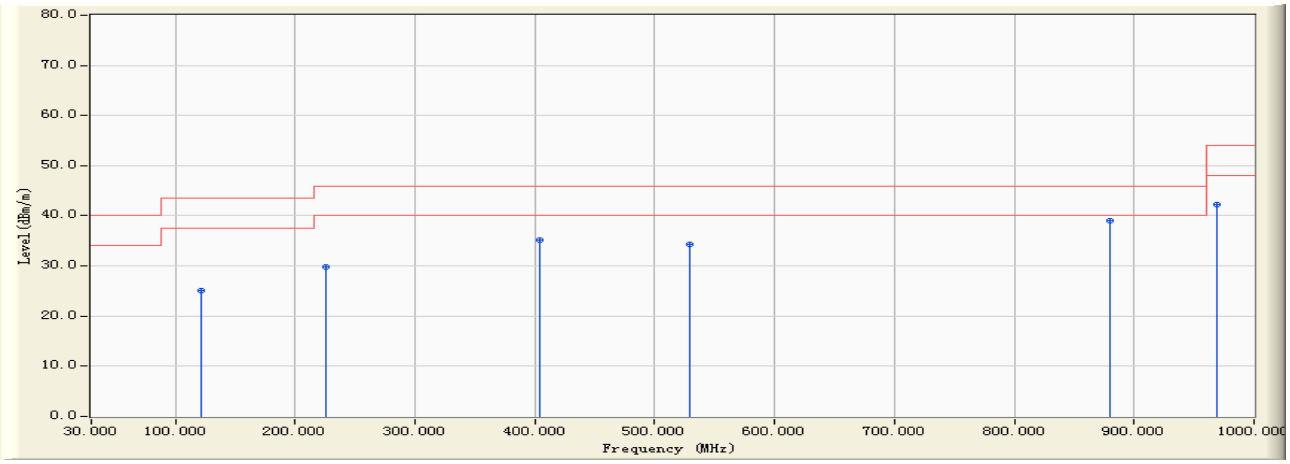


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22637.000	13.501	30.480	43.981	-10.019	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:22**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2412M**

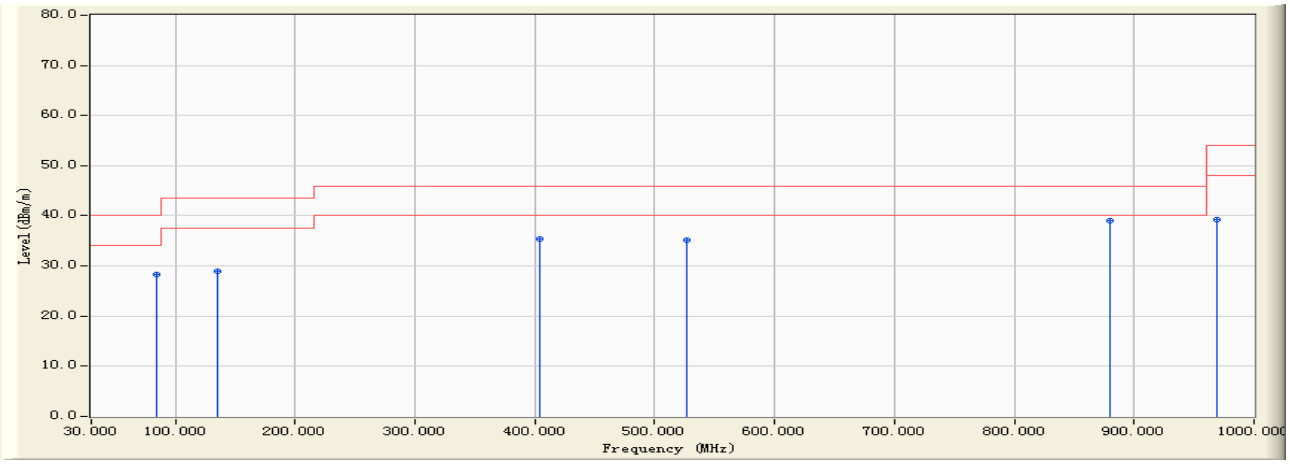


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		121.360	-13.604	38.650	25.046	-18.454	43.500	QUASIPEAK
2		225.630	-13.853	43.580	29.727	-16.273	46.000	QUASIPEAK
3		403.560	-7.468	42.570	35.102	-10.898	46.000	QUASIPEAK
4		528.630	-4.255	38.540	34.285	-11.715	46.000	QUASIPEAK
5	*	879.630	2.581	36.530	39.111	-6.889	46.000	QUASIPEAK
6		879.630	2.581	36.510	39.091	-6.909	46.000	QUASIPEAK
7		968.520	3.761	38.540	42.301	-11.699	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:26**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2412M**

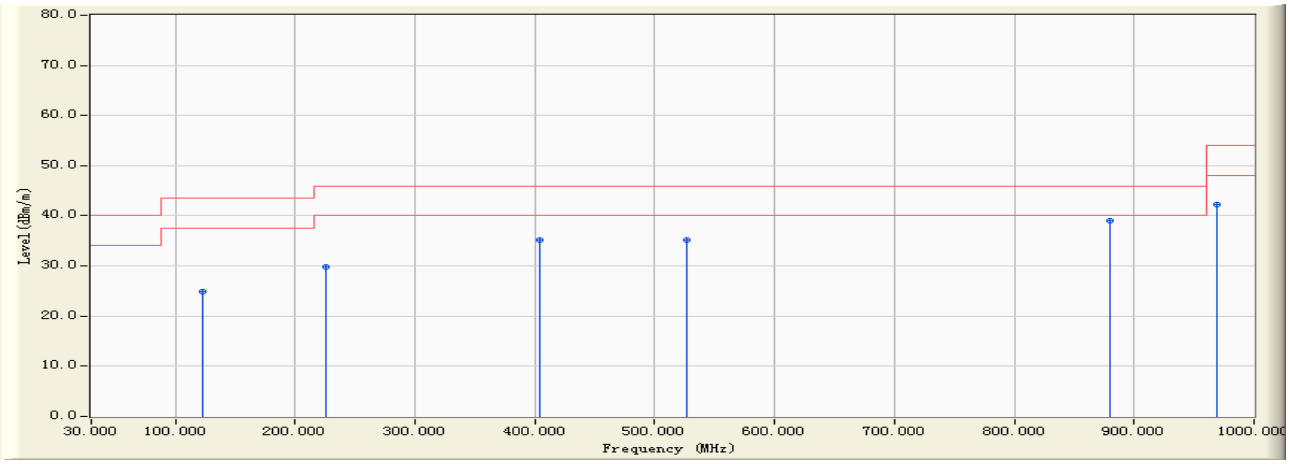


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		84.560	-15.224	43.510	28.287	-11.713	40.000	QUASIPEAK
2		135.620	-14.680	43.570	28.890	-14.610	43.500	QUASIPEAK
3		403.520	-7.469	42.850	35.381	-10.619	46.000	QUASIPEAK
4		526.930	-4.284	39.540	35.256	-10.744	46.000	QUASIPEAK
5	*	879.530	2.577	36.540	39.118	-6.882	46.000	QUASIPEAK
6		968.540	3.761	35.410	39.171	-14.829	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:27**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2437M**

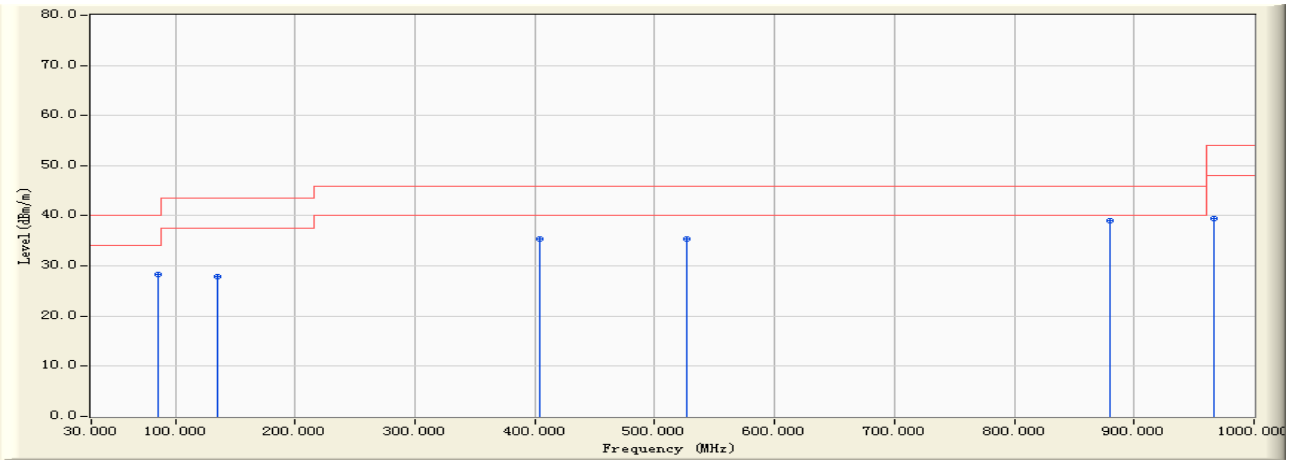


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		122.360	-13.634	38.540	24.906	-18.594	43.500	QUASIPEAK
2		225.630	-13.853	43.580	29.727	-16.273	46.000	QUASIPEAK
3		403.570	-7.468	42.570	35.102	-10.898	46.000	QUASIPEAK
4		526.390	-4.293	39.510	35.217	-10.783	46.000	QUASIPEAK
5	*	879.630	2.581	36.540	39.121	-6.879	46.000	QUASIPEAK
6		968.630	3.764	38.540	42.304	-11.696	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:28**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2437M**

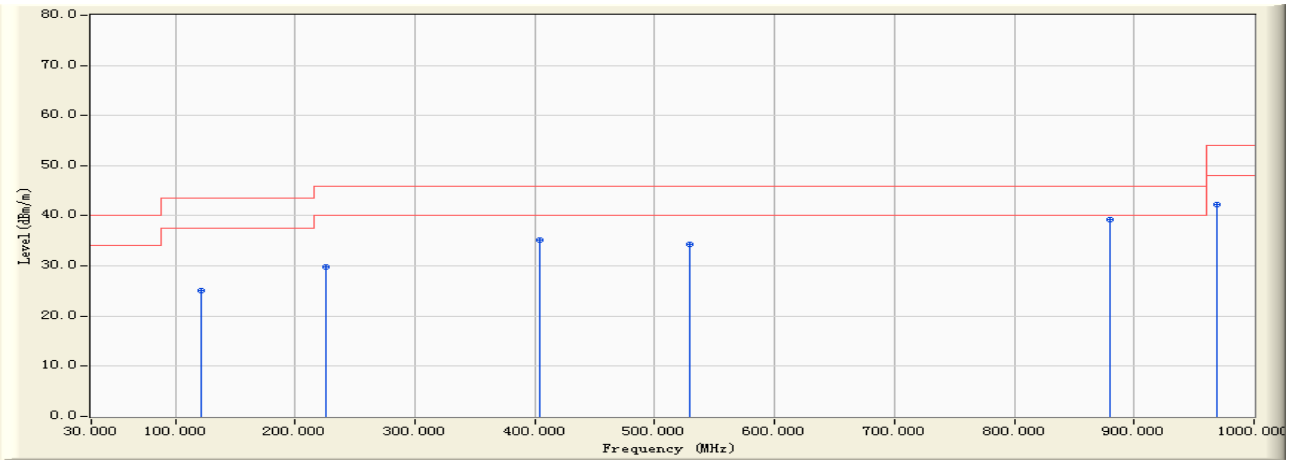


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		86.350	-15.132	43.520	28.388	-11.612	40.000	QUASIPEAK
2		135.690	-14.685	42.580	27.895	-15.605	43.500	QUASIPEAK
3		403.580	-7.467	42.850	35.383	-10.617	46.000	QUASIPEAK
4		526.540	-4.291	39.630	35.339	-10.661	46.000	QUASIPEAK
5	*	879.520	2.577	36.510	39.087	-6.913	46.000	QUASIPEAK
6		966.530	3.715	35.840	39.555	-14.445	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:29**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2462M**

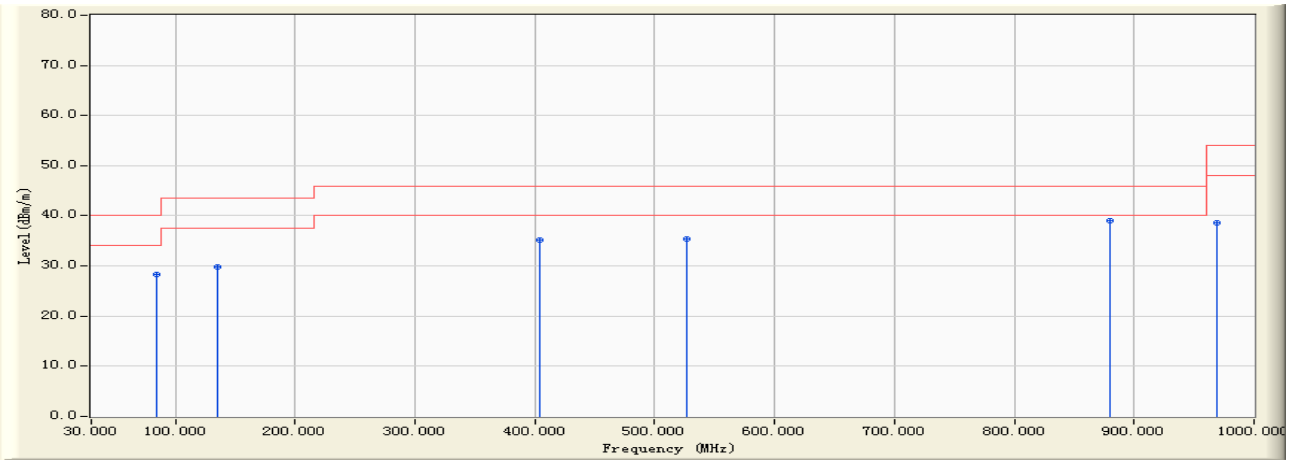


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		121.530	-13.608	38.640	25.032	-18.468	43.500	QUASIPEAK
2		225.690	-13.850	43.580	29.731	-16.269	46.000	QUASIPEAK
3		403.580	-7.467	42.580	35.113	-10.887	46.000	QUASIPEAK
4		528.630	-4.255	38.540	34.285	-11.715	46.000	QUASIPEAK
5	*	879.530	2.577	36.570	39.148	-6.852	46.000	QUASIPEAK
6		968.540	3.761	38.410	42.171	-11.829	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:29**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2462M**

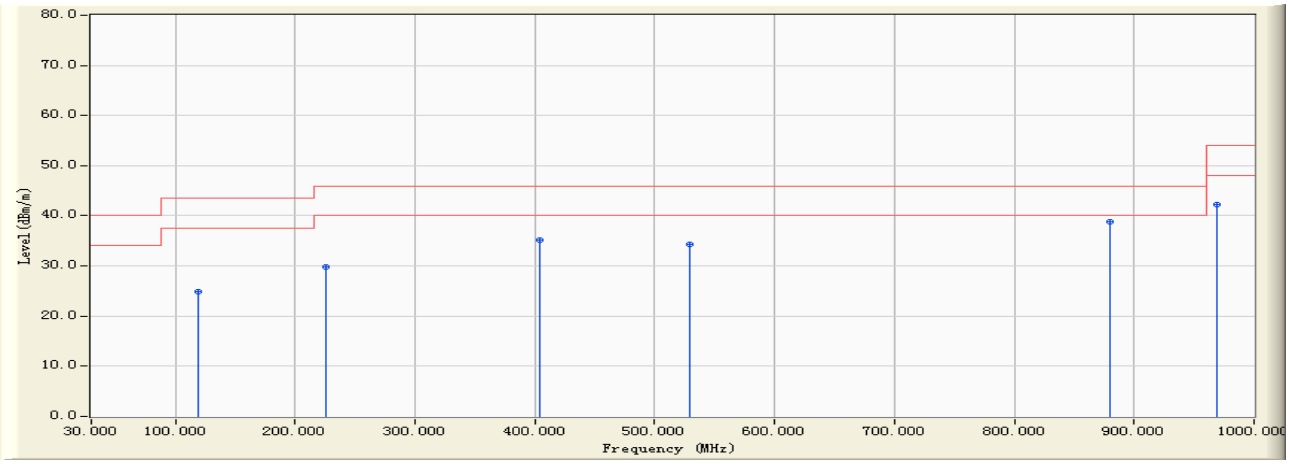


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		84.630	-15.220	43.570	28.350	-11.650	40.000	QUASIPEAK
2		135.420	-14.667	44.510	29.843	-13.657	43.500	QUASIPEAK
3		403.560	-7.468	42.580	35.112	-10.888	46.000	QUASIPEAK
4		526.785	-4.287	39.630	35.343	-10.657	46.000	QUASIPEAK
5	*	879.520	2.577	36.540	39.117	-6.883	46.000	QUASIPEAK
6		968.530	3.761	34.850	38.611	-15.389	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:34**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2412M**

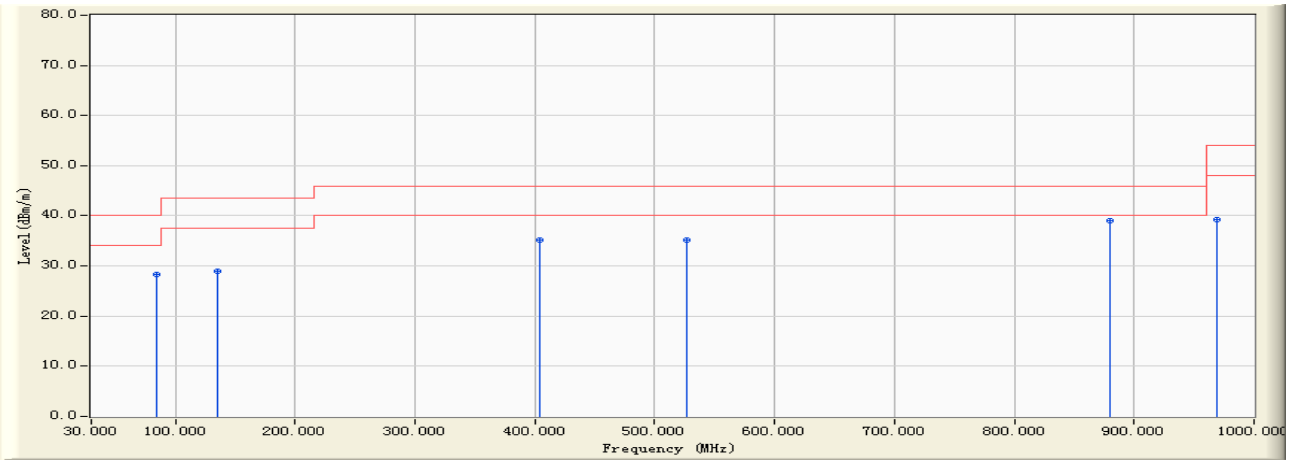


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		119.680	-13.570	38.540	24.970	-18.530	43.500	QUASIPEAK
2		225.640	-13.852	43.570	29.718	-16.282	46.000	QUASIPEAK
3		403.560	-7.468	42.570	35.102	-10.898	46.000	QUASIPEAK
4		528.650	-4.254	38.510	34.256	-11.744	46.000	QUASIPEAK
5	*	879.520	2.577	36.240	38.817	-7.183	46.000	QUASIPEAK
6		968.520	3.761	38.410	42.171	-11.829	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:35**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2412M**

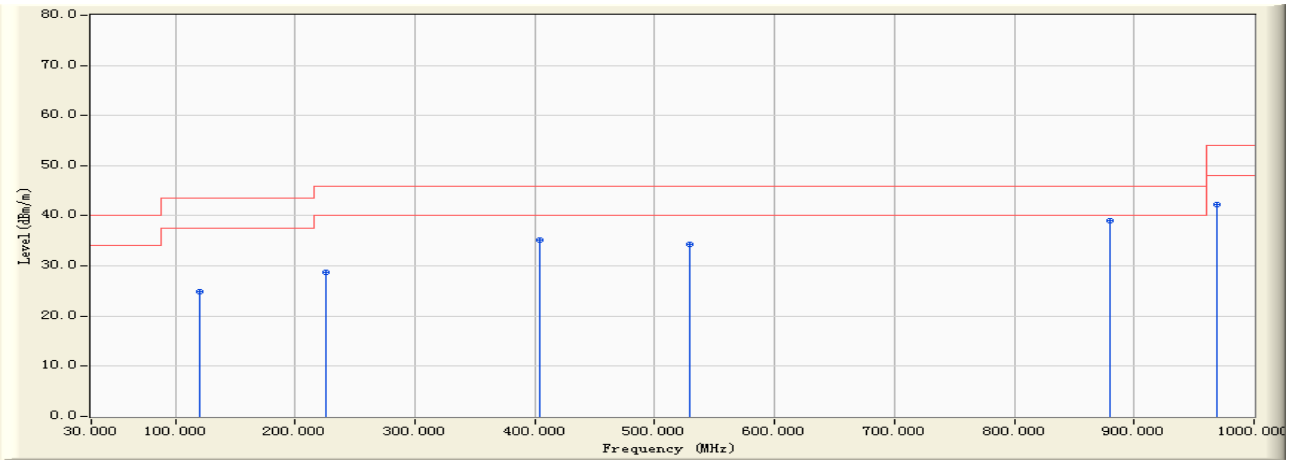


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		84.530	-15.225	43.520	28.295	-11.705	40.000	QUASIPEAK
2		135.620	-14.680	43.580	28.900	-14.600	43.500	QUASIPEAK
3		403.520	-7.469	42.580	35.111	-10.889	46.000	QUASIPEAK
4		526.960	-4.284	39.530	35.246	-10.754	46.000	QUASIPEAK
5	*	879.520	2.577	36.510	39.087	-6.913	46.000	QUASIPEAK
6		968.520	3.761	35.470	39.231	-14.769	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:36**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2437M**

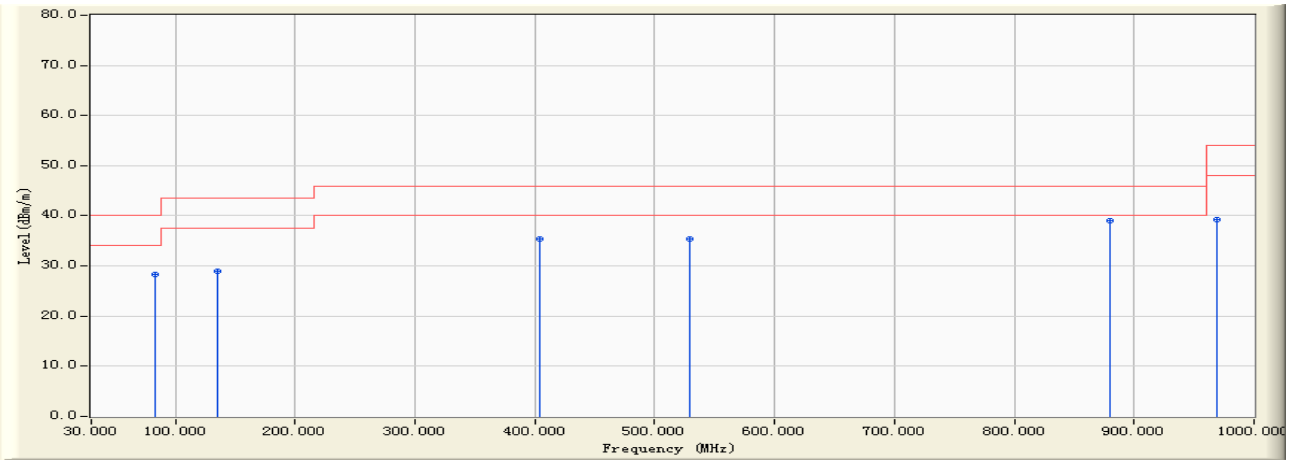


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		120.350	-13.590	38.540	24.951	-18.549	43.500	QUASIPEAK
2		225.960	-13.833	42.580	28.747	-17.253	46.000	QUASIPEAK
3		403.560	-7.468	42.580	35.112	-10.888	46.000	QUASIPEAK
4		528.650	-4.254	38.540	34.286	-11.714	46.000	QUASIPEAK
5	*	879.530	2.577	36.520	39.098	-6.902	46.000	QUASIPEAK
6		968.650	3.765	38.520	42.284	-11.716	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:36**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2437M**

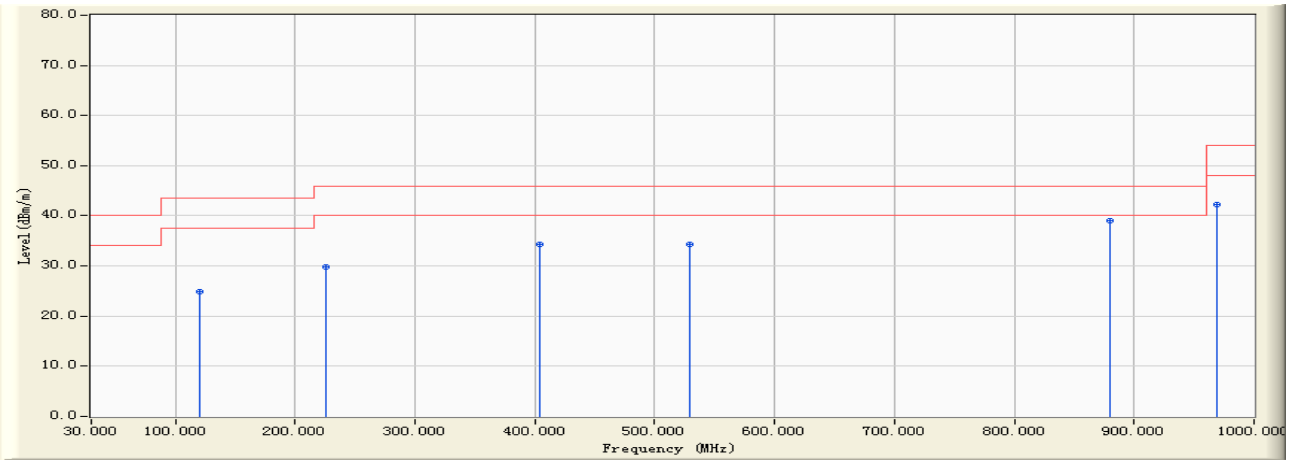


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		83.630	-15.277	43.520	28.243	-11.757	40.000	QUASIPEAK
2		135.420	-14.667	43.580	28.913	-14.587	43.500	QUASIPEAK
3		403.560	-7.468	42.800	35.332	-10.668	46.000	QUASIPEAK
4		528.630	-4.255	39.560	35.305	-10.695	46.000	QUASIPEAK
5	*	879.520	2.577	36.540	39.117	-6.883	46.000	QUASIPEAK
6		968.520	3.761	35.540	39.301	-14.699	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:37**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2462M**

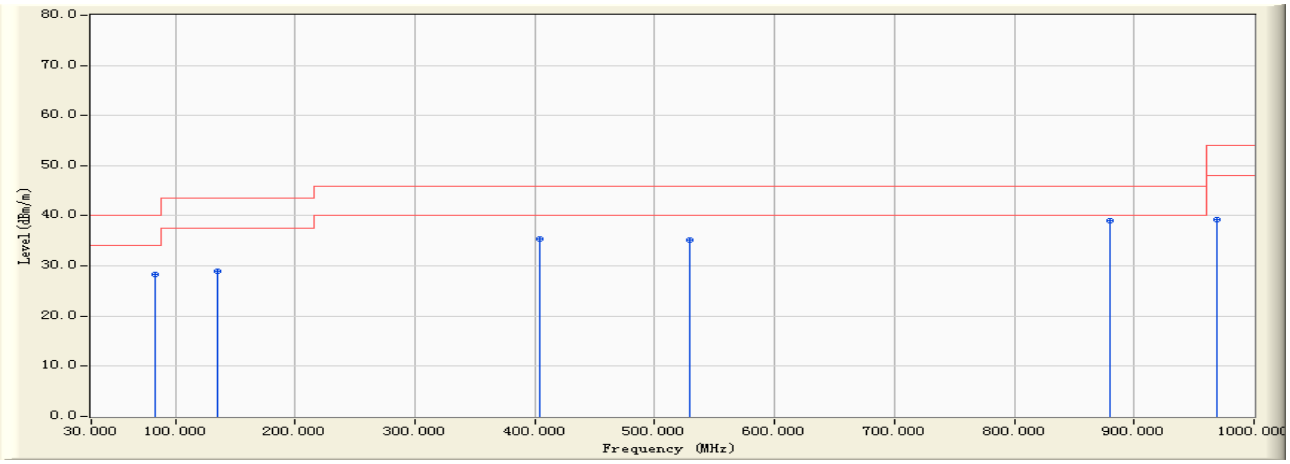


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		120.360	-13.588	38.543	24.954	-18.546	43.500	QUASIPEAK
2		225.630	-13.853	43.580	29.727	-16.273	46.000	QUASIPEAK
3		403.560	-7.468	41.850	34.382	-11.618	46.000	QUASIPEAK
4		528.650	-4.254	38.590	34.336	-11.664	46.000	QUASIPEAK
5	*	879.530	2.577	36.520	39.098	-6.902	46.000	QUASIPEAK
6		968.530	3.761	38.510	42.271	-11.729	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:38**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2462M**

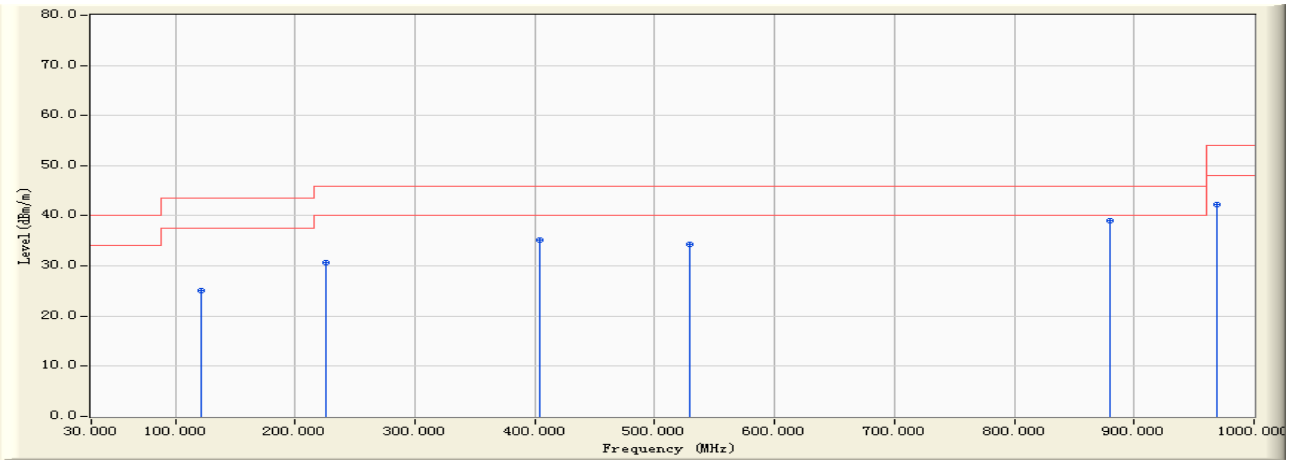


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		83.690	-15.273	43.520	28.246	-11.754	40.000	QUASIPEAK
2		135.560	-14.677	43.580	28.904	-14.596	43.500	QUASIPEAK
3		403.520	-7.469	42.850	35.381	-10.619	46.000	QUASIPEAK
4		528.650	-4.254	39.510	35.256	-10.744	46.000	QUASIPEAK
5	*	879.630	2.581	36.540	39.121	-6.879	46.000	QUASIPEAK
6		968.530	3.761	35.540	39.301	-14.699	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:13**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n (20MHz) 2412M**

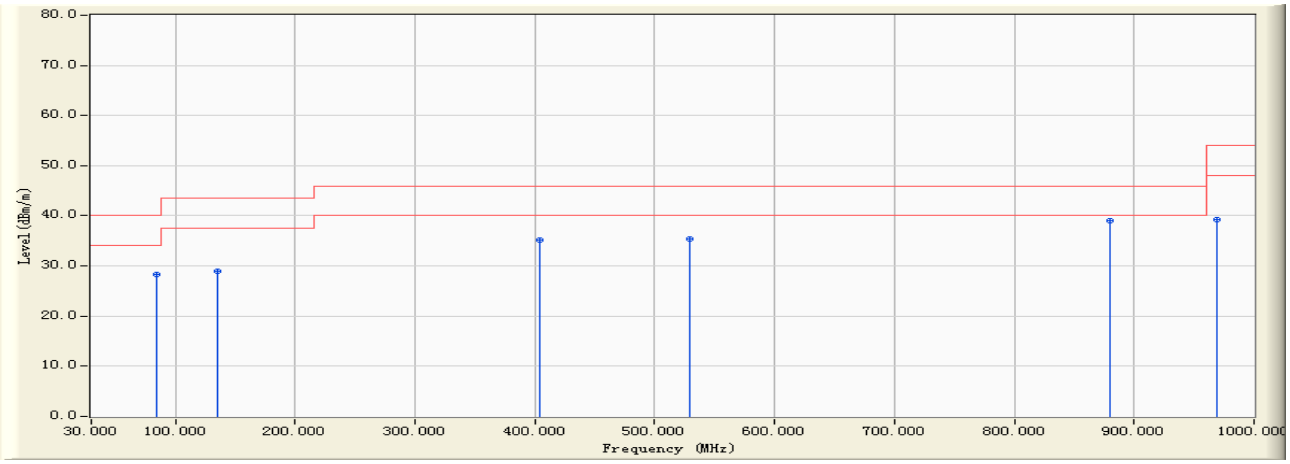


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		121.360	-13.604	38.620	25.016	-18.484	43.500	QUASIPEAK
2		225.680	-13.850	44.520	30.670	-15.330	46.000	QUASIPEAK
3		403.570	-7.468	42.580	35.112	-10.888	46.000	QUASIPEAK
4		528.690	-4.254	38.570	34.317	-11.683	46.000	QUASIPEAK
5	*	879.630	2.581	36.520	39.101	-6.899	46.000	QUASIPEAK
6		968.520	3.761	38.560	42.321	-11.679	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:13**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n (20MHz) 2412M**

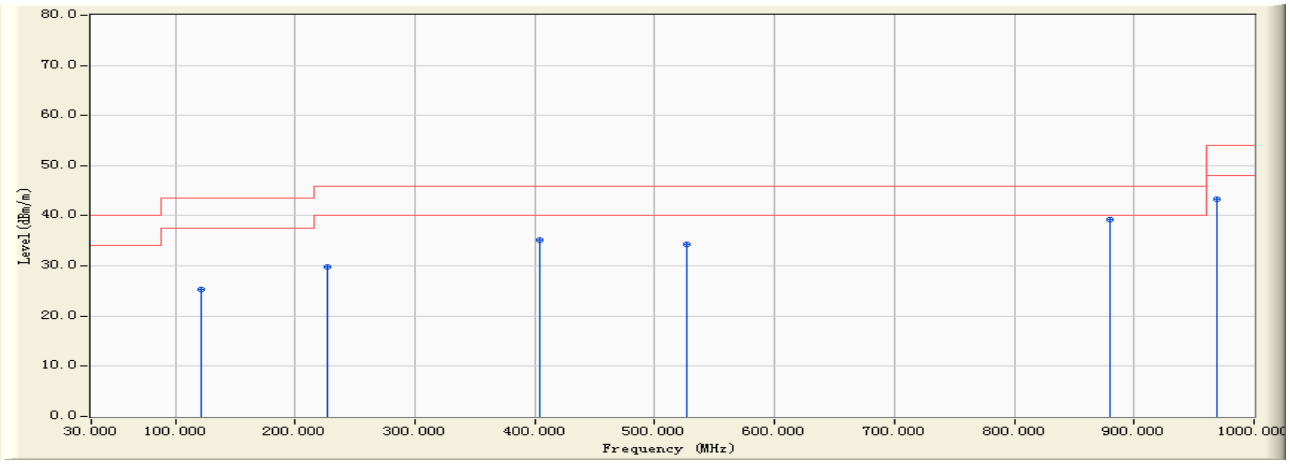


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		84.560	-15.224	43.580	28.357	-11.643	40.000	QUASIPEAK
2		135.680	-14.685	43.570	28.886	-14.614	43.500	QUASIPEAK
3		403.590	-7.467	42.570	35.103	-10.897	46.000	QUASIPEAK
4		528.650	-4.254	39.650	35.396	-10.604	46.000	QUASIPEAK
5	*	879.650	2.582	36.540	39.122	-6.878	46.000	QUASIPEAK
6		968.530	3.761	35.430	39.191	-14.809	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:14**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n (20MHz) 2437M**

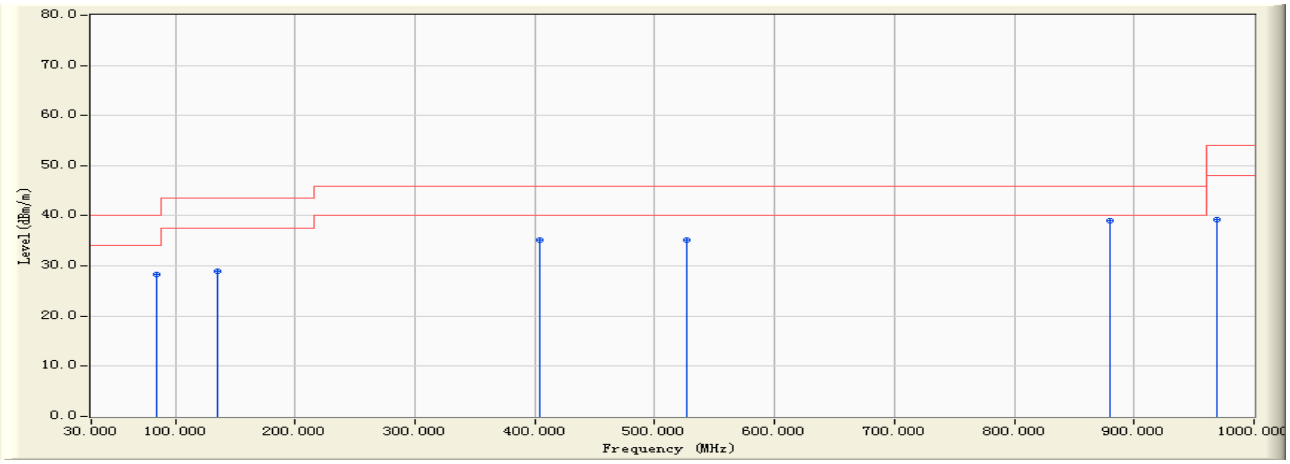


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		121.360	-13.604	38.960	25.356	-18.144	43.500	QUASIPEAK
2		226.510	-13.817	43.580	29.763	-16.237	46.000	QUASIPEAK
3		403.570	-7.468	42.590	35.122	-10.878	46.000	QUASIPEAK
4		526.930	-4.284	38.640	34.356	-11.644	46.000	QUASIPEAK
5	*	879.630	2.581	36.570	39.151	-6.849	46.000	QUASIPEAK
6		968.520	3.761	39.540	43.301	-10.699	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:14**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n (20MHz) 2437M**

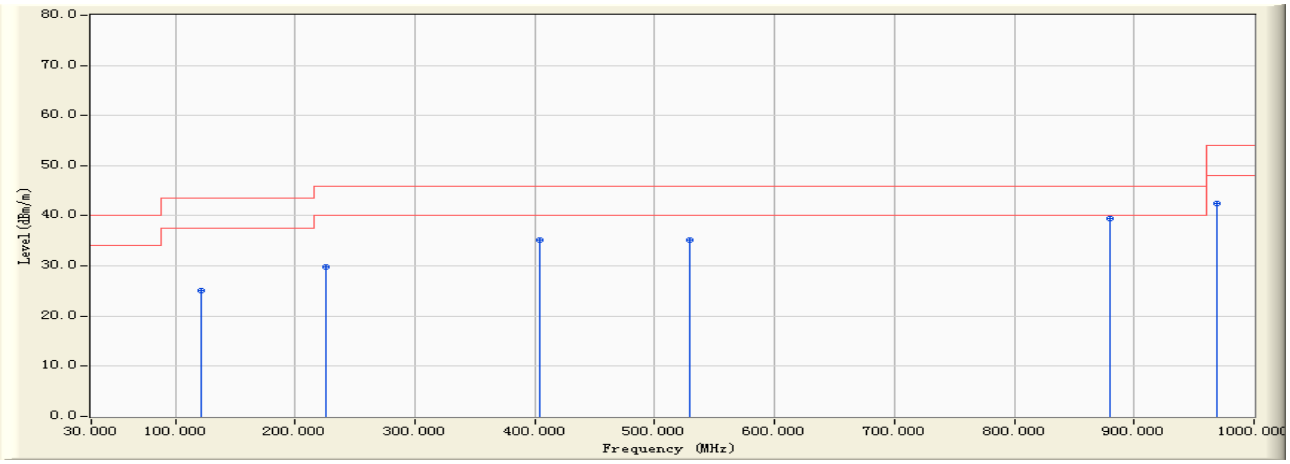


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		84.630	-15.220	43.580	28.360	-11.640	40.000	QUASIPEAK
2		135.630	-14.681	43.570	28.889	-14.611	43.500	QUASIPEAK
3		403.630	-7.466	42.580	35.114	-10.886	46.000	QUASIPEAK
4		526.339	-4.294	39.510	35.216	-10.784	46.000	QUASIPEAK
5	*	879.650	2.582	36.540	39.122	-6.878	46.000	QUASIPEAK
6		968.520	3.761	35.410	39.171	-14.829	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:15**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n (20MHz) 2462M**

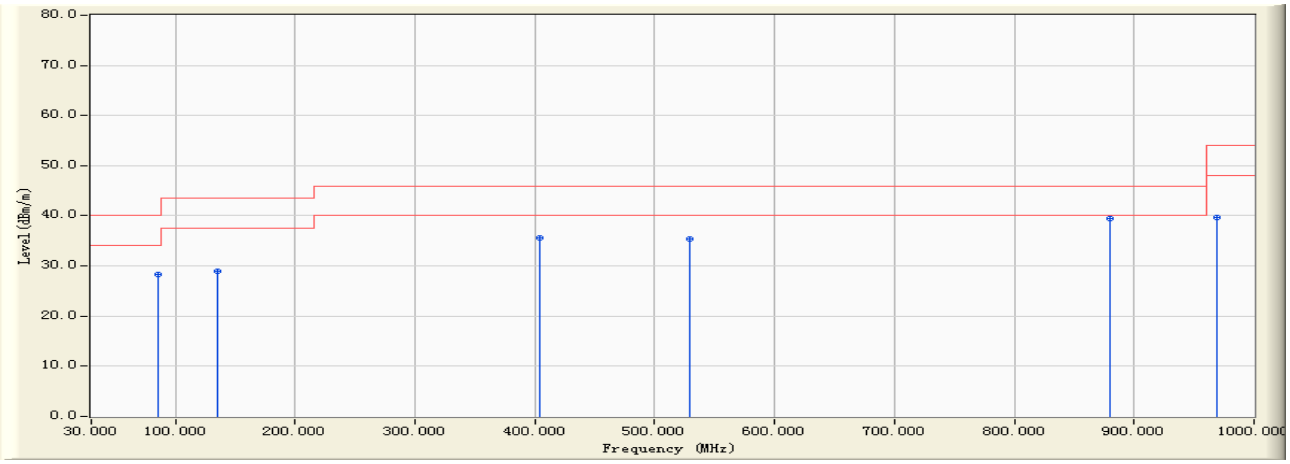


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		121.540	-13.608	38.650	25.042	-18.458	43.500	QUASIPEAK
2		225.640	-13.852	43.580	29.728	-16.272	46.000	QUASIPEAK
3		403.590	-7.467	42.570	35.103	-10.897	46.000	QUASIPEAK
4		529.630	-4.228	39.510	35.281	-10.719	46.000	QUASIPEAK
5	*	879.580	2.579	36.840	39.419	-6.581	46.000	QUASIPEAK
6		968.530	3.761	38.620	42.381	-11.619	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Fred	
Site : EMC Lab AC102	**Time : 2010/11/05 - 16:16**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : HSG1164	**Probe : HL562(30-1000MHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n (20MHz) 2462M**

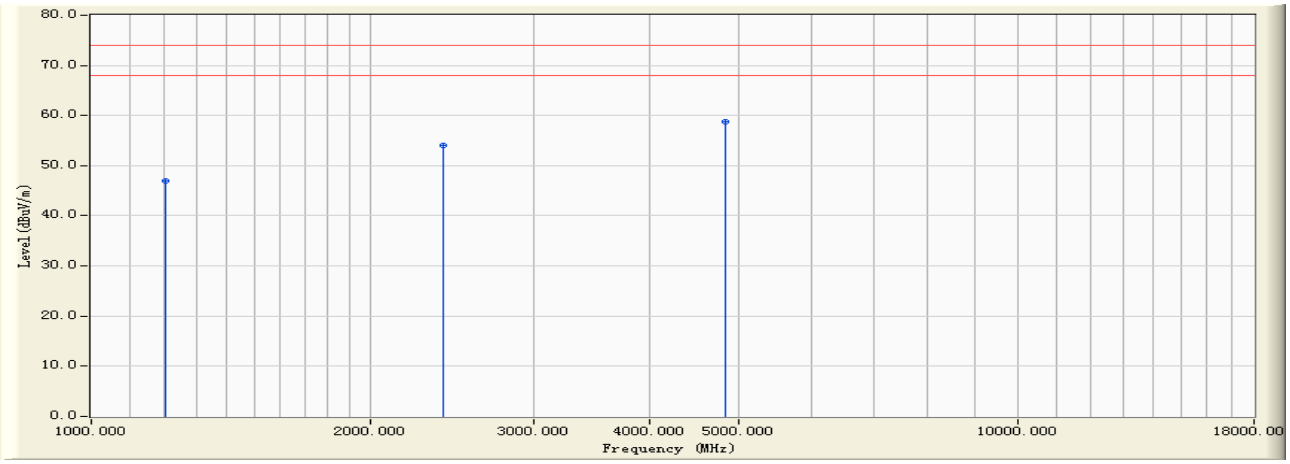


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Detector Type
1		85.630	-15.168	43.580	28.411	-11.589	40.000	QUASIPEAK
2		135.620	-14.680	43.590	28.910	-14.590	43.500	QUASIPEAK
3		403.580	-7.467	43.170	35.703	-10.297	46.000	QUASIPEAK
4		528.630	-4.255	39.540	35.285	-10.715	46.000	QUASIPEAK
5	*	879.650	2.582	36.840	39.422	-6.578	46.000	QUASIPEAK
6		968.540	3.761	35.840	39.601	-14.399	54.000	QUASIPEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:22**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2412M**

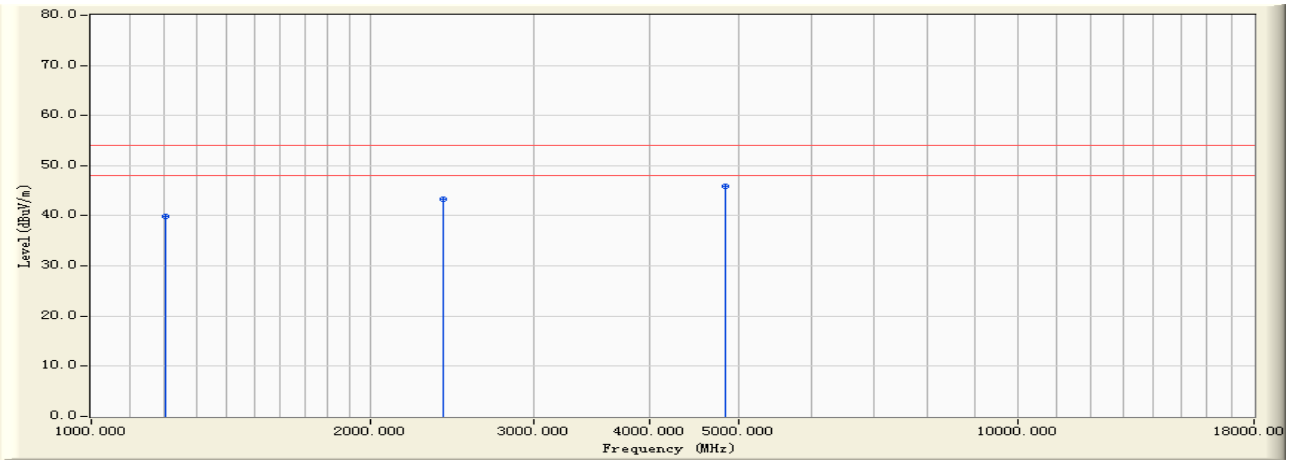


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1203.540	-5.922	52.840	46.918	-27.082	74.000	PEAK
2		2402.360	0.395	53.560	53.956	-20.044	74.000	PEAK
3	*	4835.910	7.372	51.480	58.852	-15.148	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:22**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2412M**

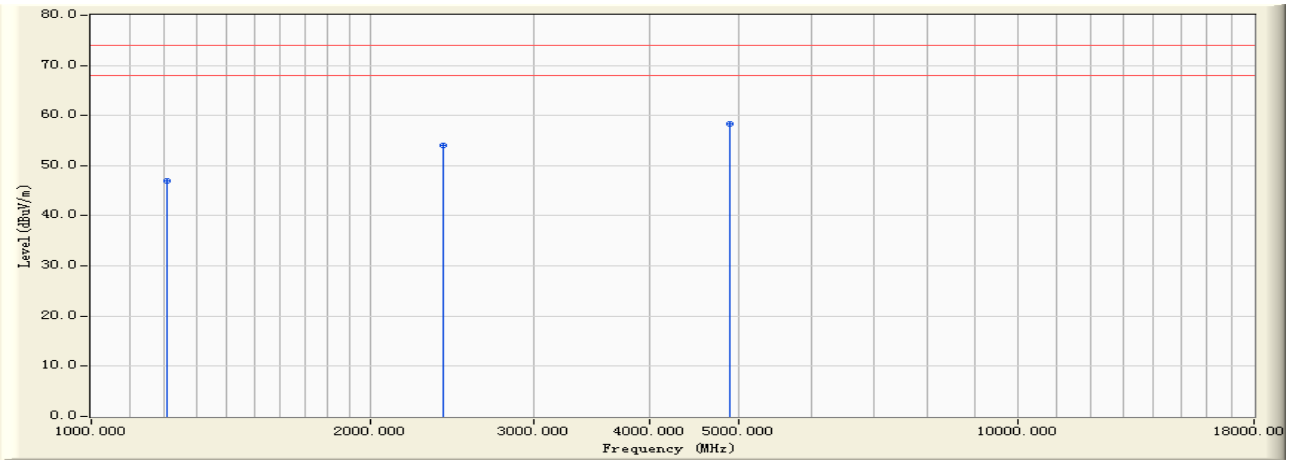


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1203.540	-5.922	45.840	39.918	-14.082	54.000	AVERAGE
2		2402.360	0.395	42.850	43.246	-10.754	54.000	AVERAGE
3	*	4835.910	7.372	38.520	45.892	-8.108	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:23**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2412M**

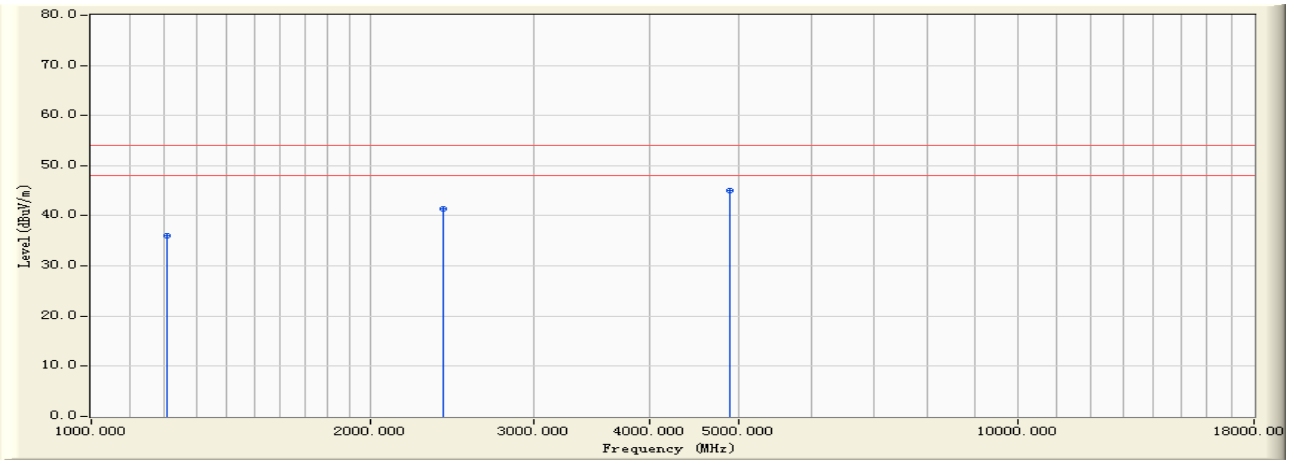


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1205.320	-5.904	52.980	47.075	-26.925	74.000	PEAK
2		2402.360	0.395	53.680	54.076	-19.924	74.000	PEAK
3	*	4896.310	7.511	50.840	58.351	-15.649	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:23**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2412M**

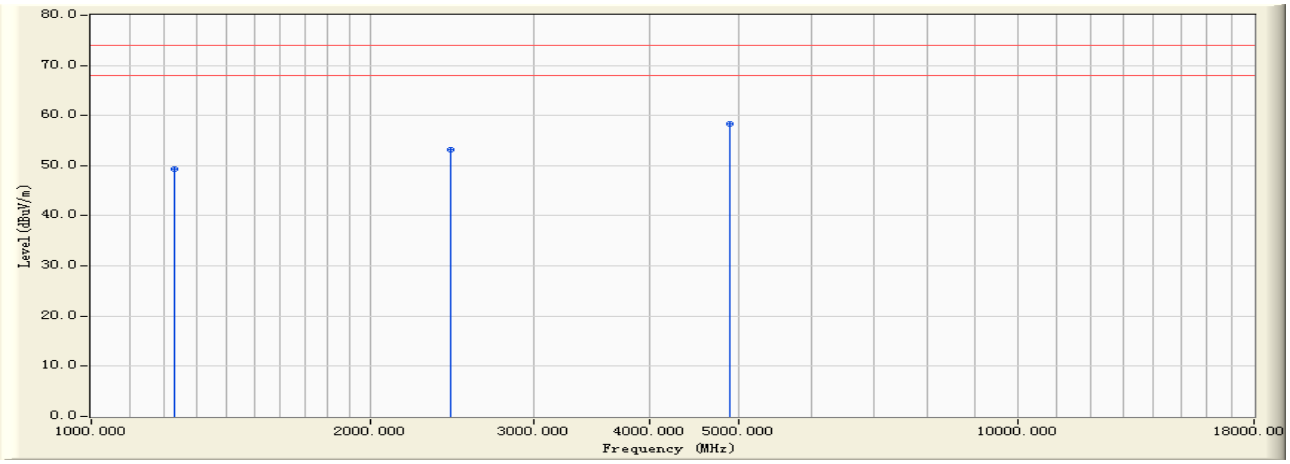


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1205.320	-5.904	41.870	35.965	-18.035	54.000	AVERAGE
2		2402.360	0.395	40.950	41.346	-12.654	54.000	AVERAGE
3	*	4896.310	7.511	37.520	45.031	-8.969	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:24**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2437M**

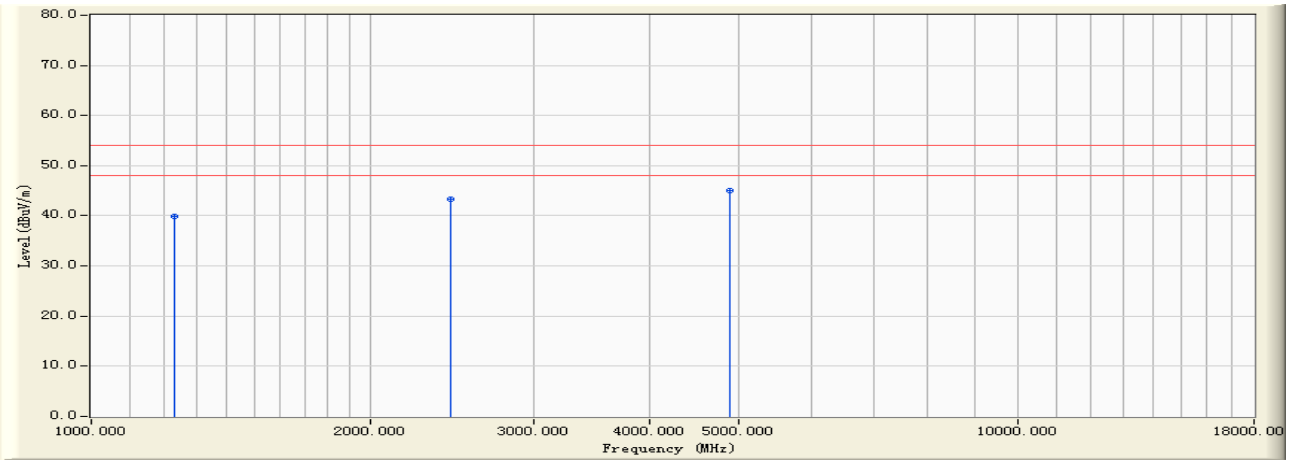


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1228.500	-5.658	54.950	49.292	-24.708	74.000	PEAK
2		2441.850	0.524	52.680	53.204	-20.796	74.000	PEAK
3	*	4895.340	7.509	50.870	58.379	-15.621	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:24**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2437M**

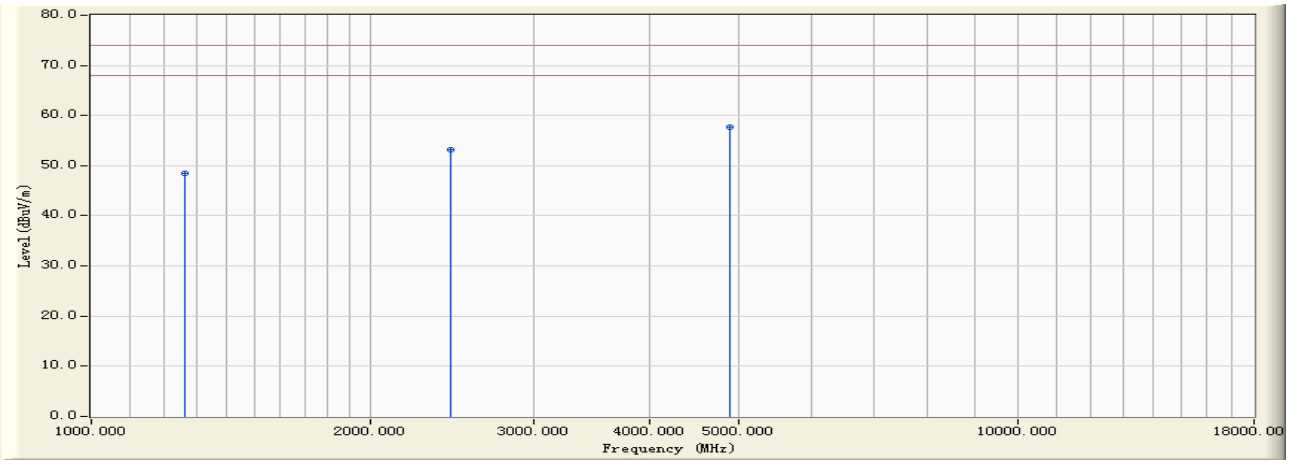


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1228.500	-5.658	45.630	39.972	-14.028	54.000	AVERAGE
2		2441.850	0.524	42.830	43.354	-10.646	54.000	AVERAGE
3	*	4895.340	7.509	37.540	45.049	-8.951	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:25**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2437M**

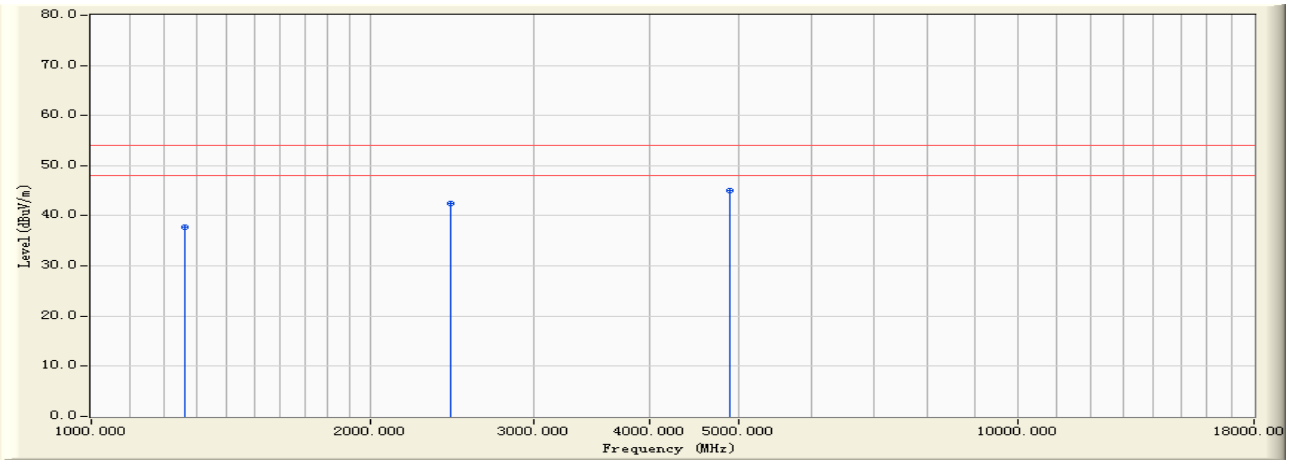


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1263.500	-5.272	53.850	48.578	-25.422	74.000	PEAK
2		2441.870	0.524	52.680	53.204	-20.796	74.000	PEAK
3	*	4895.620	7.509	50.140	57.650	-16.350	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:25**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2437M**

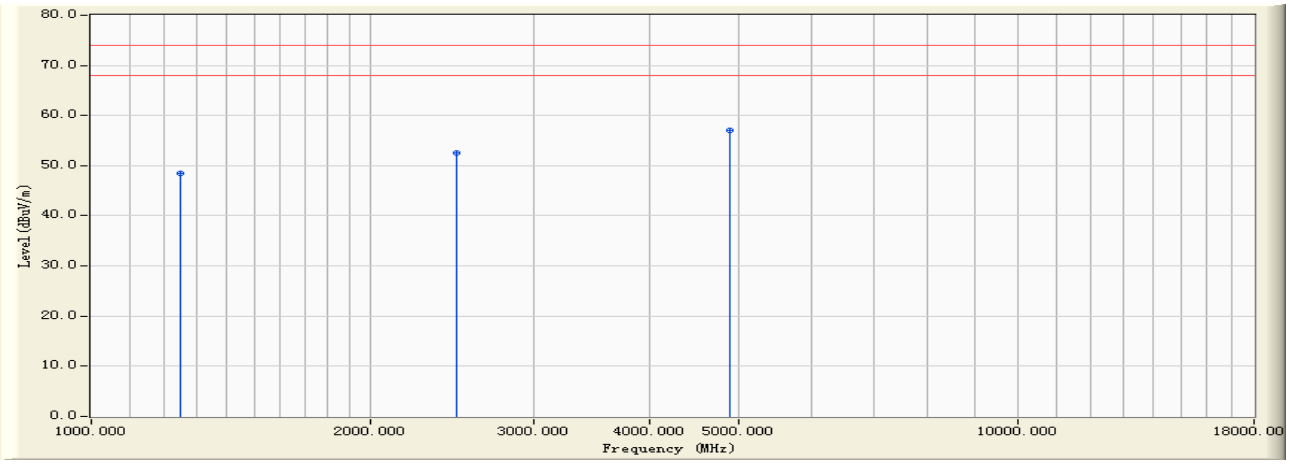


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1263.500	-5.272	42.950	37.678	-16.322	54.000	AVERAGE
2		2441.870	0.524	41.870	42.394	-11.606	54.000	AVERAGE
3	*	4895.620	7.509	37.560	45.070	-8.930	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:26**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2462M**

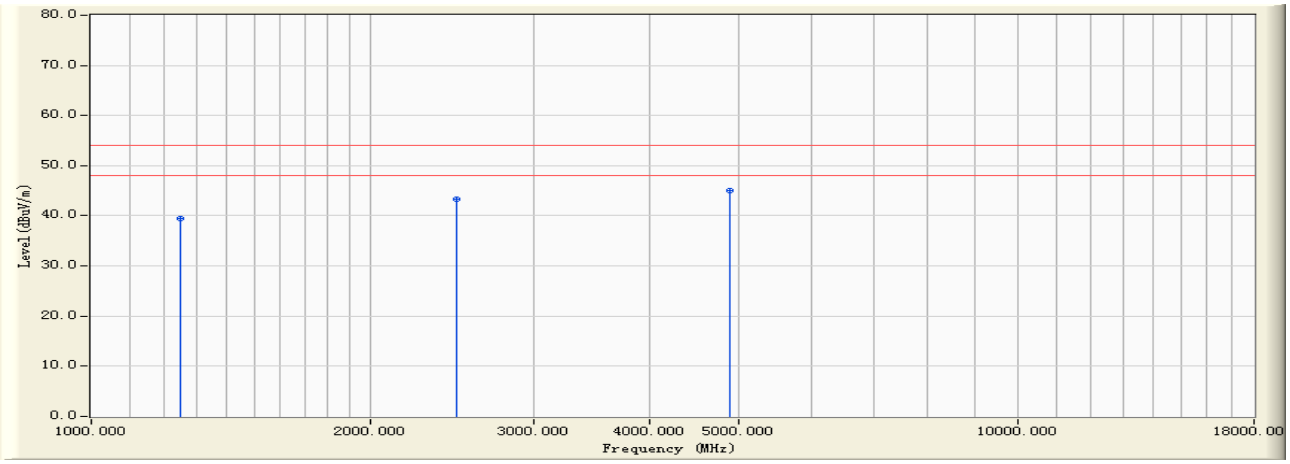


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1245.650	-5.467	53.890	48.423	-25.577	74.000	PEAK
2		2480.360	0.662	51.830	52.492	-21.508	74.000	PEAK
3	*	4896.360	7.511	49.640	57.151	-16.849	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:26**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2462M**

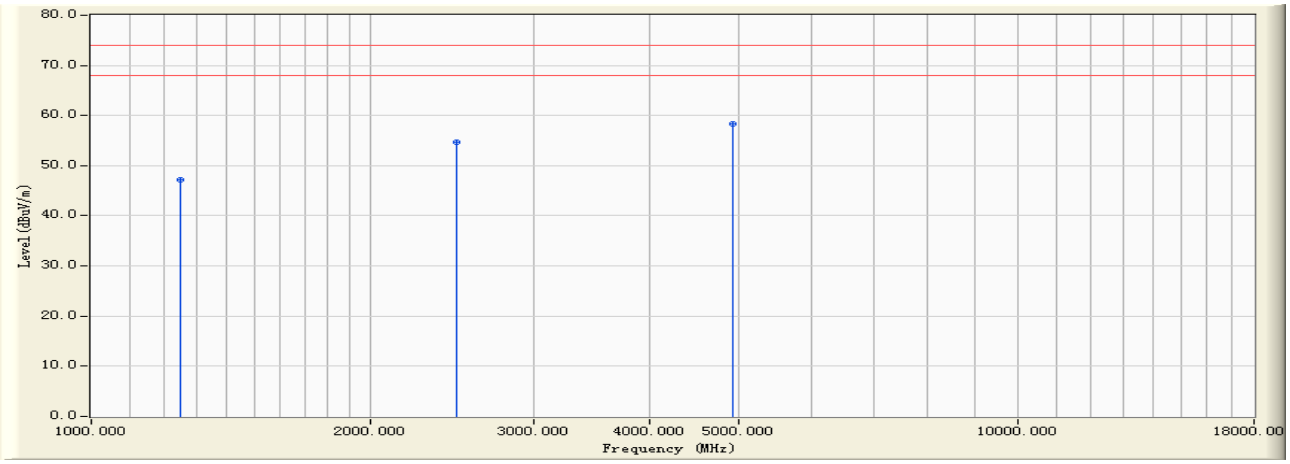


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1245.650	-5.467	44.870	39.403	-14.597	54.000	AVERAGE
2		2480.360	0.662	42.680	43.342	-10.658	54.000	AVERAGE
3	*	4896.360	7.511	37.580	45.091	-8.909	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:27**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2462M**

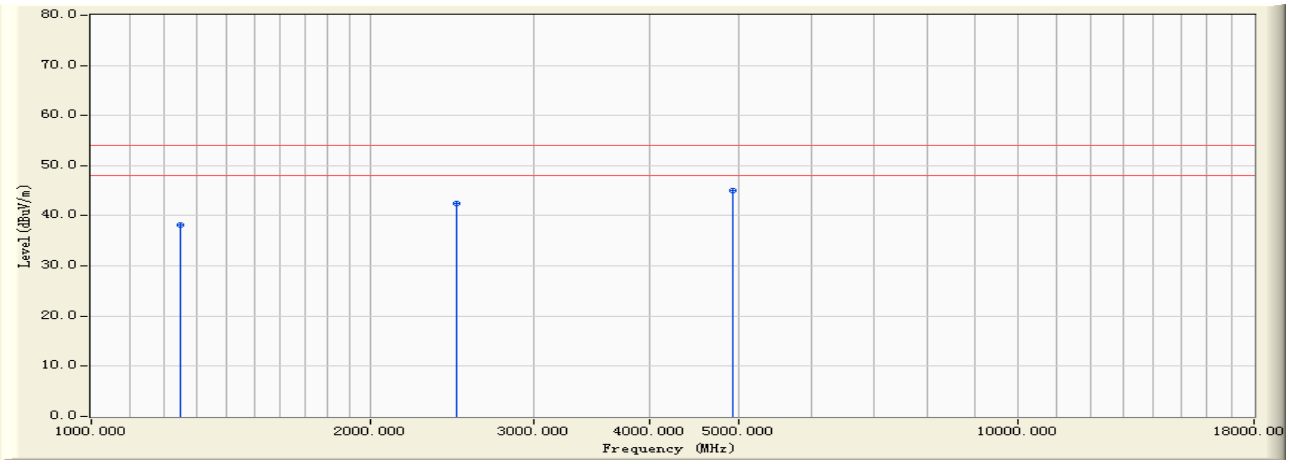


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1246.390	-5.460	52.670	47.211	-26.789	74.000	PEAK
2		2480.390	0.662	53.940	54.602	-19.398	74.000	PEAK
3	*	4935.210	7.588	50.840	58.428	-15.572	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:27**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2462M**

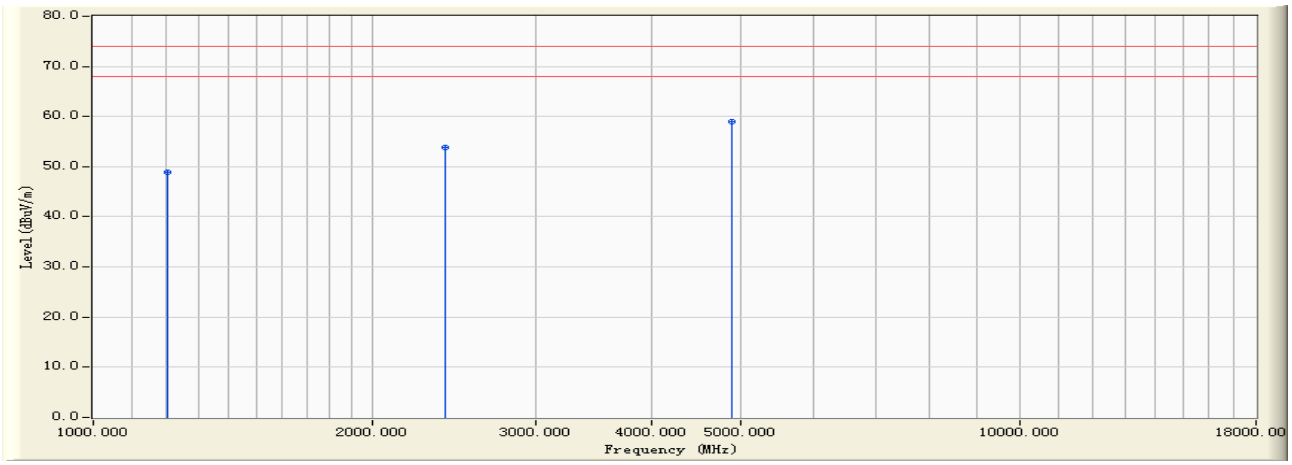


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1246.390	-5.460	43.580	38.121	-15.879	54.000	AVERAGE
2		2480.390	0.662	41.870	42.532	-11.468	54.000	AVERAGE
3	*	4935.210	7.588	37.520	45.108	-8.892	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:32**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2412M**

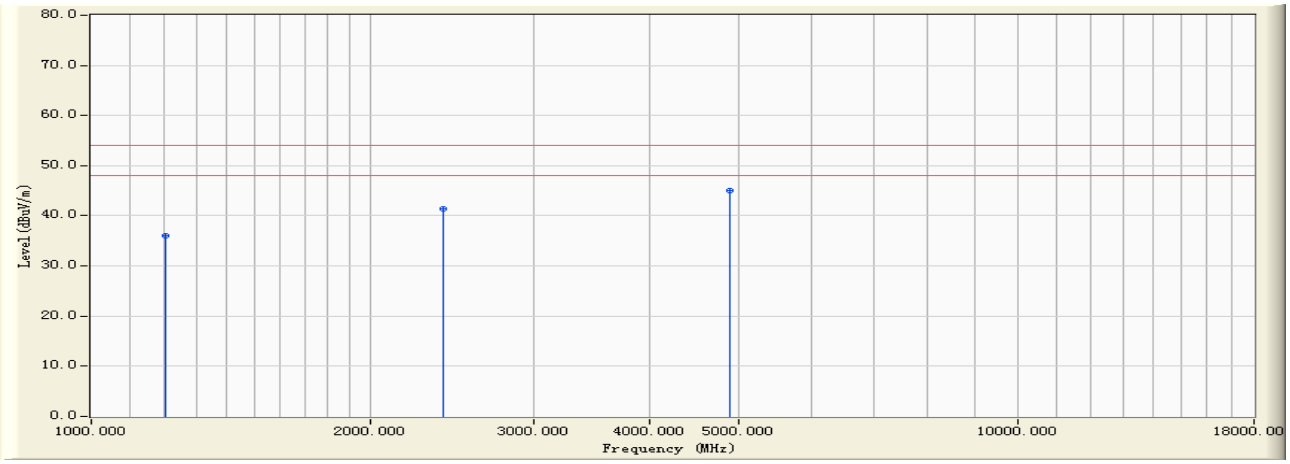


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1202.620	-5.929	54.860	48.931	-25.069	74.000	PEAK
2		2402.350	0.395	53.540	53.935	-20.065	74.000	PEAK
3	*	4895.360	7.509	51.520	59.029	-14.971	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:32**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2412M**

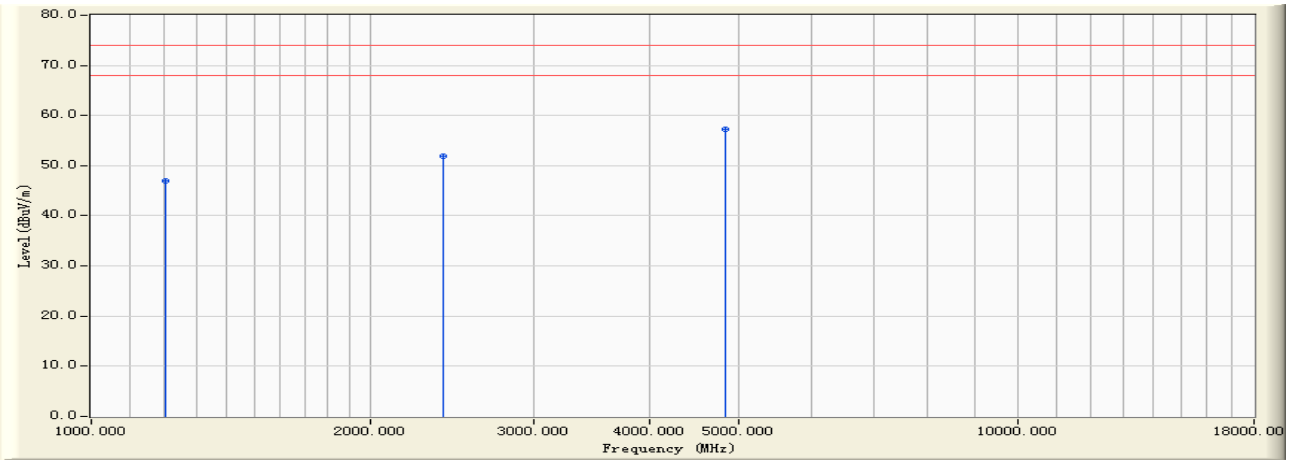


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1202.620	-5.929	41.950	36.021	-17.979	54.000	AVERAGE
2		2402.350	0.395	40.940	41.335	-12.665	54.000	AVERAGE
3	*	4895.360	7.509	37.580	45.089	-8.911	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:33**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2412M**

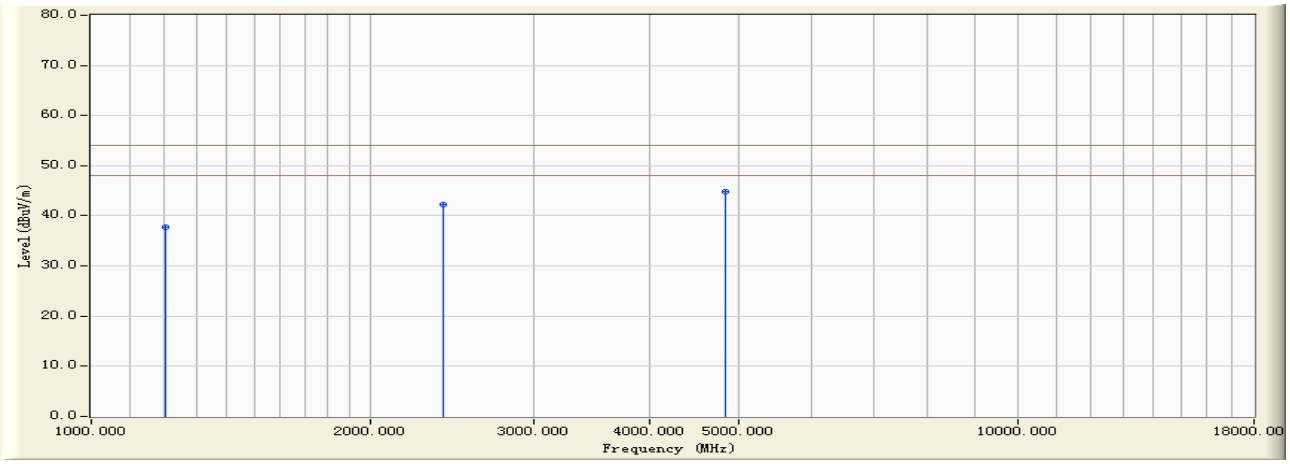


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1204.630	-5.912	52.980	47.068	-26.932	74.000	PEAK
2		2402.370	0.395	51.580	51.976	-22.024	74.000	PEAK
3	*	4835.630	7.372	49.970	57.341	-16.659	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:33**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2412M**

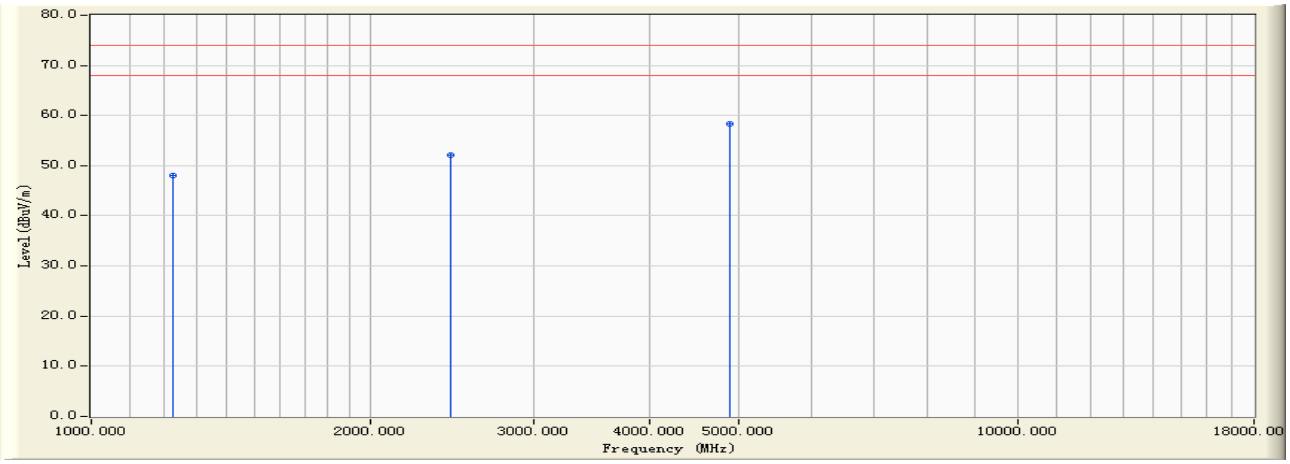


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1204.630	-5.912	43.570	37.658	-16.342	54.000	AVERAGE
2		2402.370	0.395	41.840	42.236	-11.764	54.000	AVERAGE
3	*	4835.630	7.372	37.540	44.911	-9.089	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:34**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2437M**

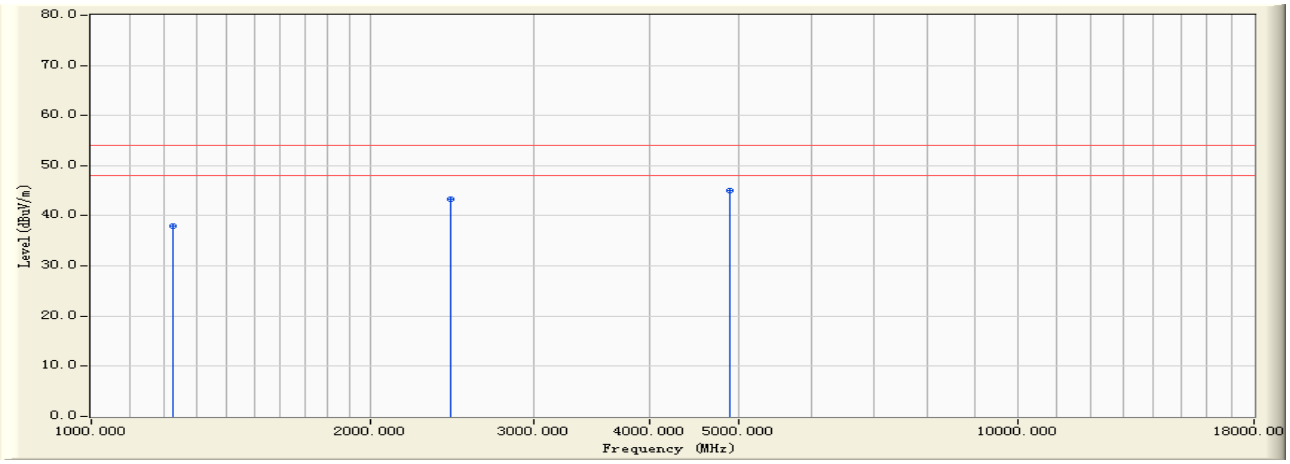


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1223.500	-5.713	53.690	47.976	-26.024	74.000	PEAK
2		2441.370	0.522	51.570	52.092	-21.908	74.000	PEAK
3	*	4895.640	7.510	50.820	58.330	-15.670	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:34**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2437M**

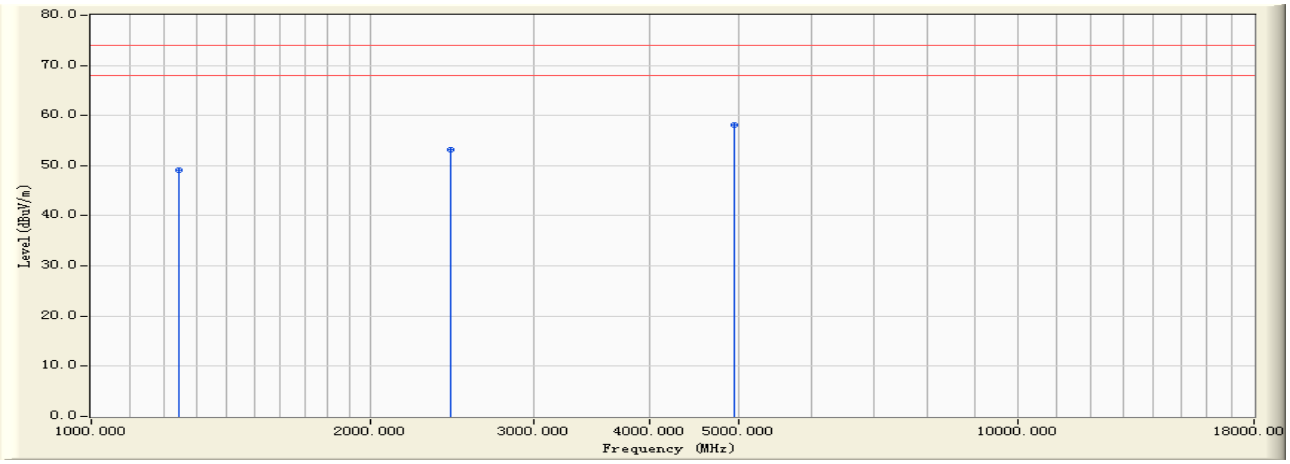


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1223.500	-5.713	43.650	37.936	-16.064	54.000	AVERAGE
2		2441.370	0.522	42.840	43.362	-10.638	54.000	AVERAGE
3	*	4895.640	7.510	37.500	45.010	-8.990	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:35**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2437M**

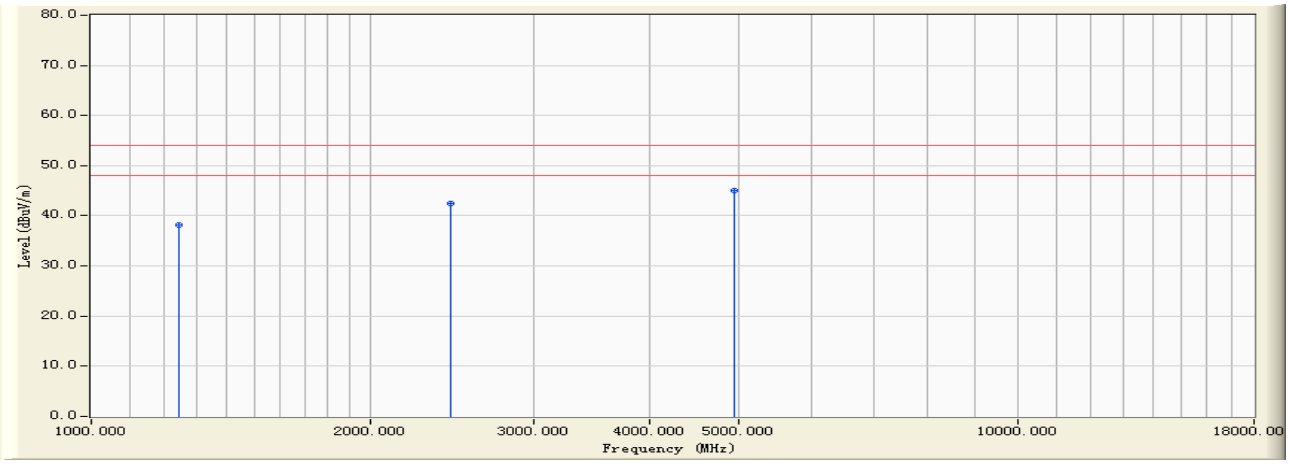


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1243.620	-5.490	54.680	49.191	-24.809	74.000	PEAK
2		2441.360	0.522	52.690	53.212	-20.788	74.000	PEAK
3	*	4936.570	7.590	50.580	58.171	-15.829	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:35**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2437M**

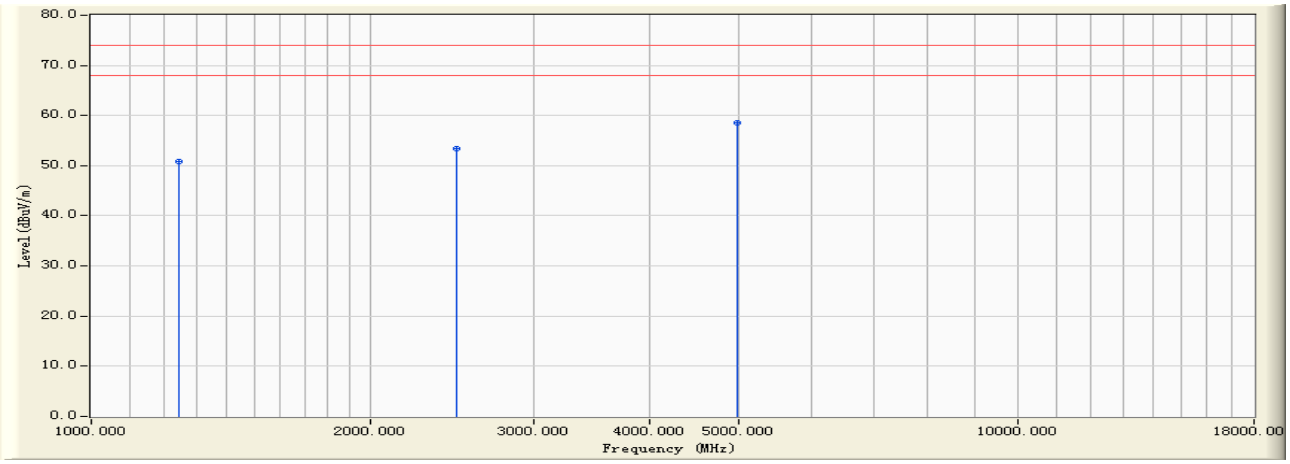


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1243.620	-5.490	43.580	38.091	-15.909	54.000	AVERAGE
2		2441.360	0.522	41.940	42.462	-11.538	54.000	AVERAGE
3	*	4936.570	7.590	37.510	45.101	-8.899	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:37**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2462M**

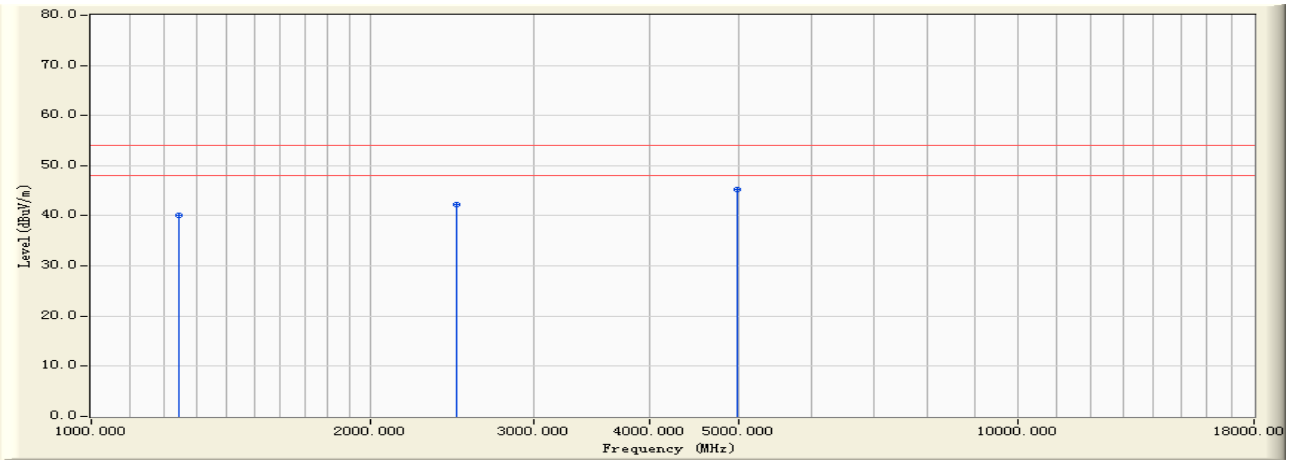


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1242.640	-5.500	56.380	50.880	-23.120	74.000	PEAK
2		2480.510	0.662	52.670	53.333	-20.667	74.000	PEAK
3	*	4986.360	7.699	50.840	58.539	-15.461	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:37**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2462M**

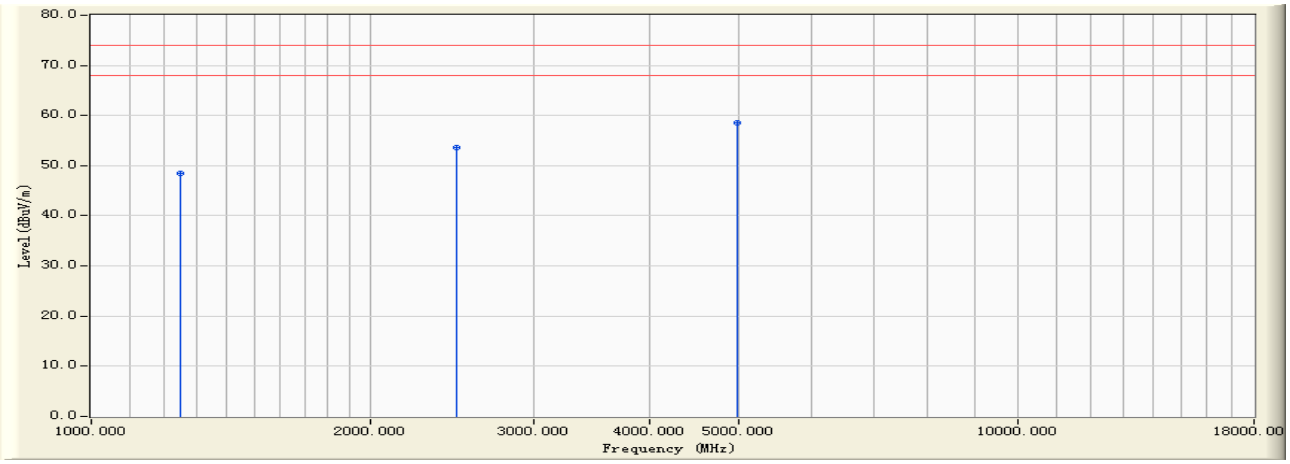


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1242.640	-5.500	45.670	40.170	-13.830	54.000	AVERAGE
2		2480.510	0.662	41.650	42.313	-11.687	54.000	AVERAGE
3	*	4986.360	7.699	37.520	45.219	-8.781	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:38**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2462M**

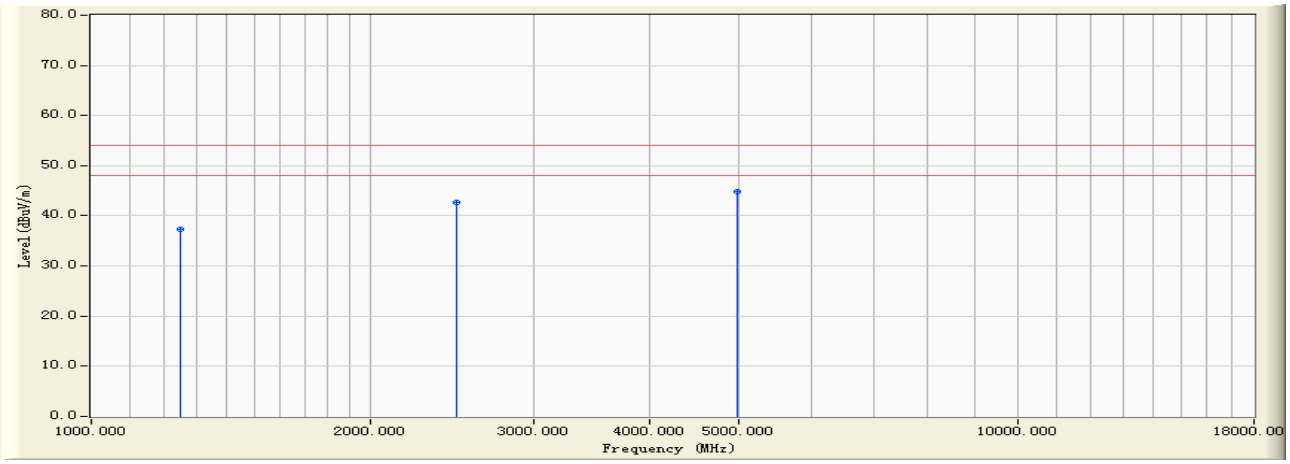


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1246.360	-5.460	53.850	48.390	-25.610	74.000	PEAK
2		2480.170	0.662	52.860	53.522	-20.478	74.000	PEAK
3	*	4985.340	7.697	50.820	58.517	-15.483	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:38**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2462M**

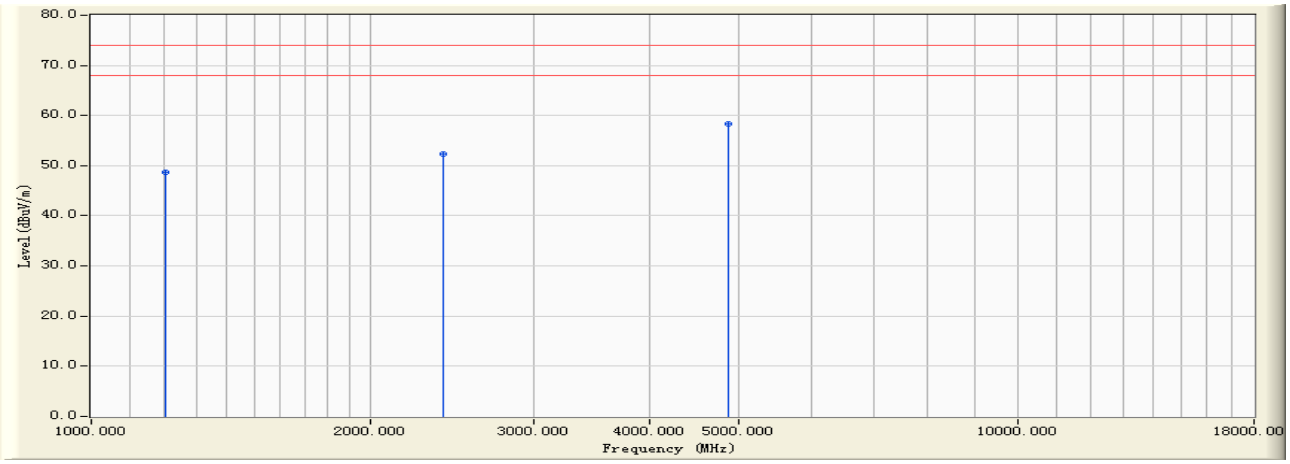


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1246.360	-5.460	42.850	37.390	-16.610	54.000	AVERAGE
2		2480.170	0.662	41.950	42.612	-11.388	54.000	AVERAGE
3	*	4985.340	7.697	37.210	44.907	-9.093	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:43**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n(20MHz)2412M**

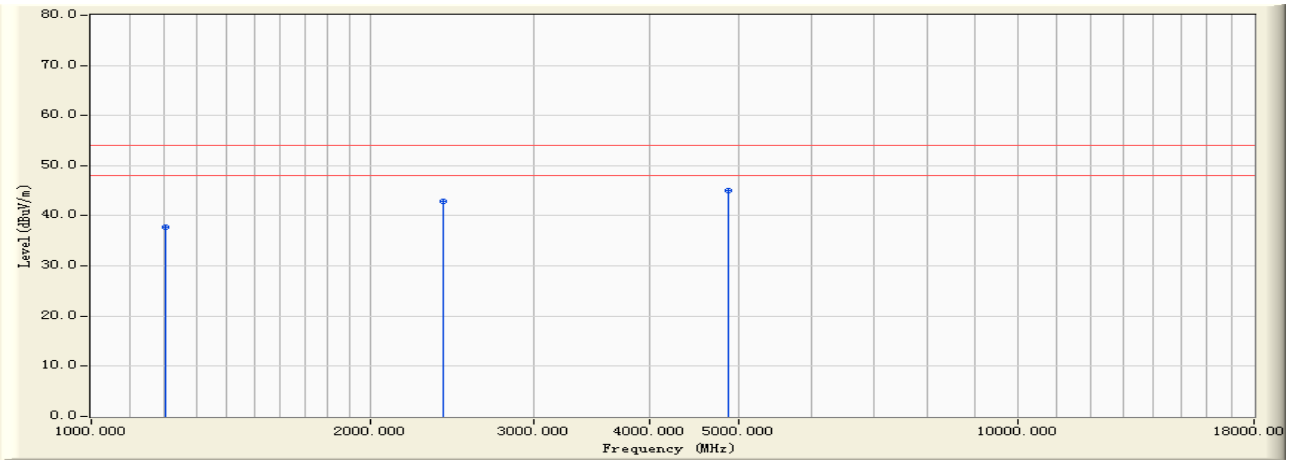


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1203.630	-5.922	54.680	48.758	-25.242	74.000	PEAK
2		2402.650	0.397	51.890	52.287	-21.713	74.000	PEAK
3	*	4865.310	7.439	50.980	58.420	-15.580	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:43**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n(20MHz)2412M**

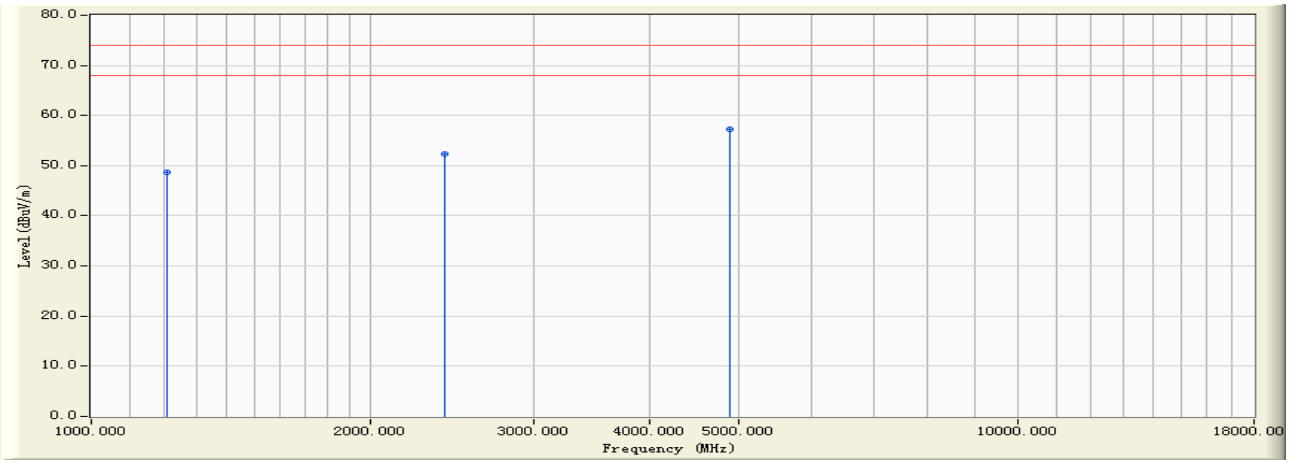


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1203.630	-5.922	43.580	37.658	-16.342	54.000	AVERAGE
2		2402.650	0.397	42.580	42.977	-11.023	54.000	AVERAGE
3	*	4865.310	7.439	37.620	45.060	-8.940	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:44**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n(20MHz) 2412M**

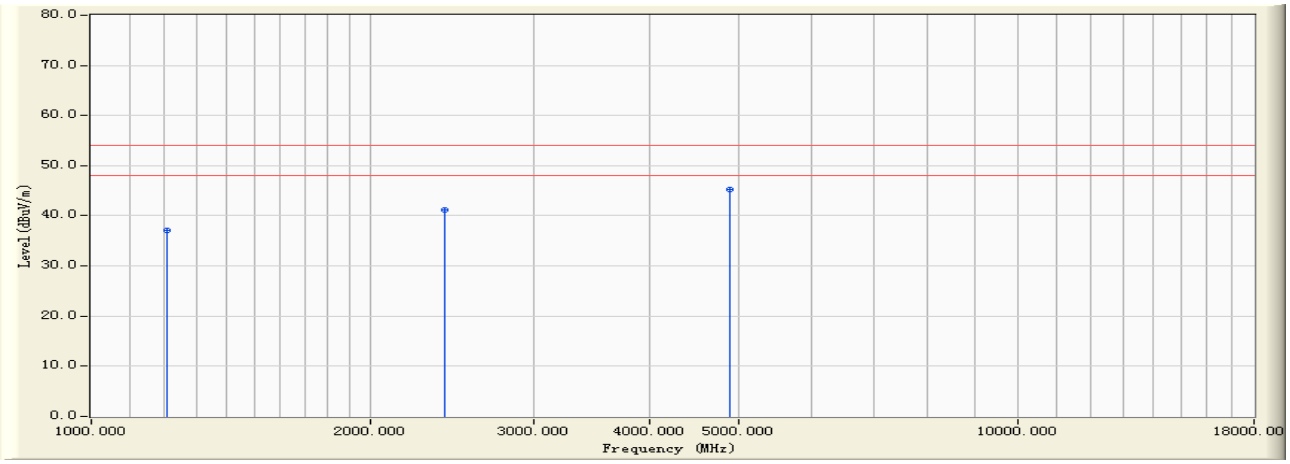


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1205.650	-5.901	54.520	48.618	-25.382	74.000	PEAK
2		2403.570	0.400	51.870	52.270	-21.730	74.000	PEAK
3	*	4895.310	7.509	49.840	57.349	-16.651	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:44**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n(20MHz) 2412M**

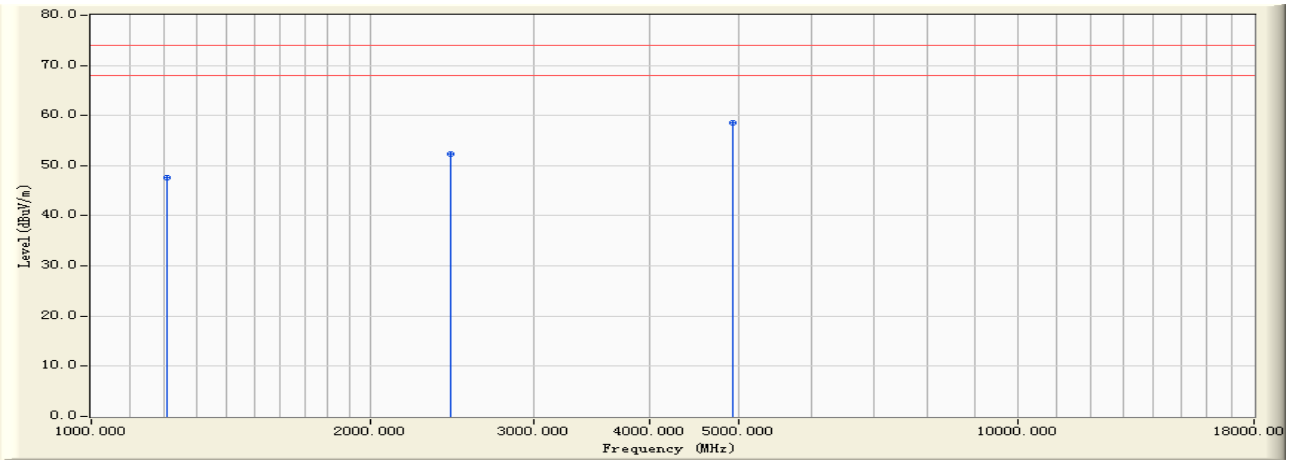


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1205.650	-5.901	42.950	37.048	-16.952	54.000	AVERAGE
2		2403.570	0.400	40.850	41.250	-12.750	54.000	AVERAGE
3	*	4895.310	7.509	37.840	45.349	-8.651	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:45**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n(20MHz) 2437M**

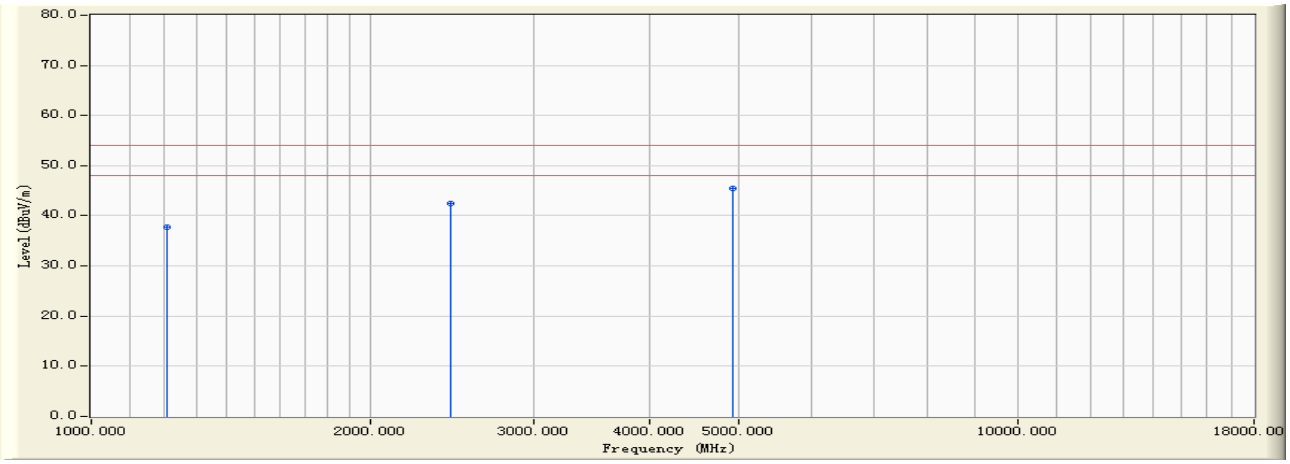


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1206.650	-5.891	53.570	47.679	-26.321	74.000	PEAK
2		2441.650	0.524	51.870	52.393	-21.607	74.000	PEAK
3	*	4935.570	7.588	50.870	58.459	-15.541	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:45**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n(20MHz) 2437M**

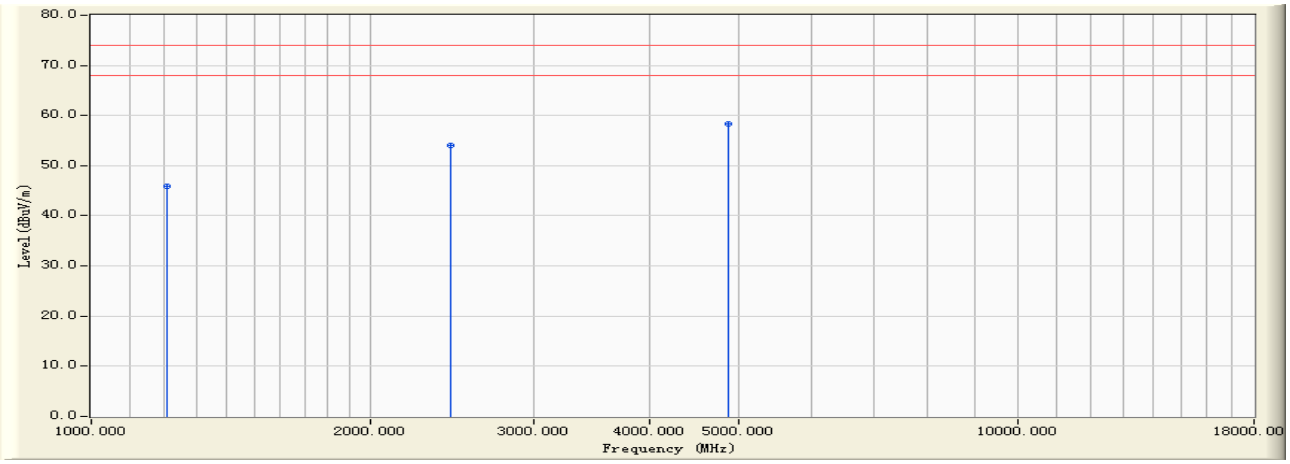


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1206.650	-5.891	43.570	37.679	-16.321	54.000	AVERAGE
2		2441.650	0.524	41.840	42.363	-11.637	54.000	AVERAGE
3	*	4935.570	7.588	37.850	45.439	-8.561	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:46**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n(20MHz) 2437M**

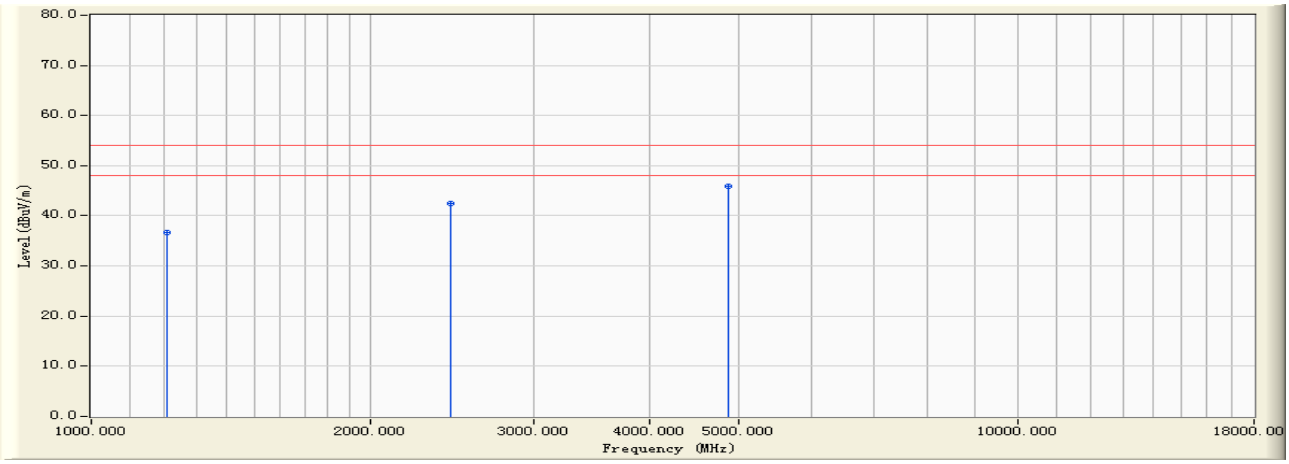


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1205.640	-5.901	51.840	45.938	-28.062	74.000	PEAK
2		2441.530	0.523	53.540	54.063	-19.937	74.000	PEAK
3	*	4865.350	7.439	50.890	58.330	-15.670	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:46**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n(20MHz) 2437M**

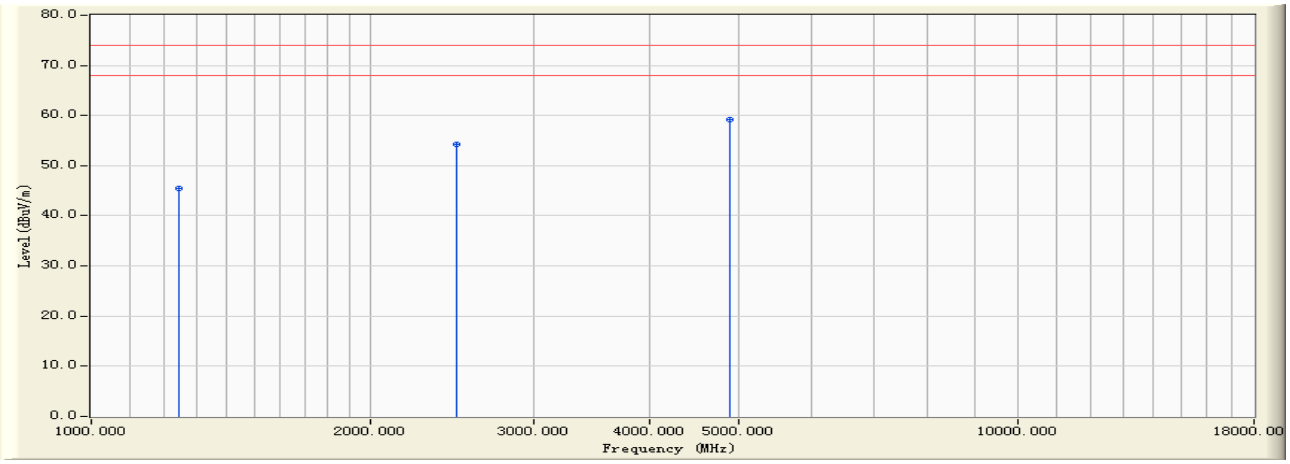


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1205.640	-5.901	42.680	36.778	-17.222	54.000	AVERAGE
2		2441.530	0.523	41.860	42.383	-11.617	54.000	AVERAGE
3	*	4865.350	7.439	38.520	45.960	-8.040	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:47**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n (20MHz) 2462M**

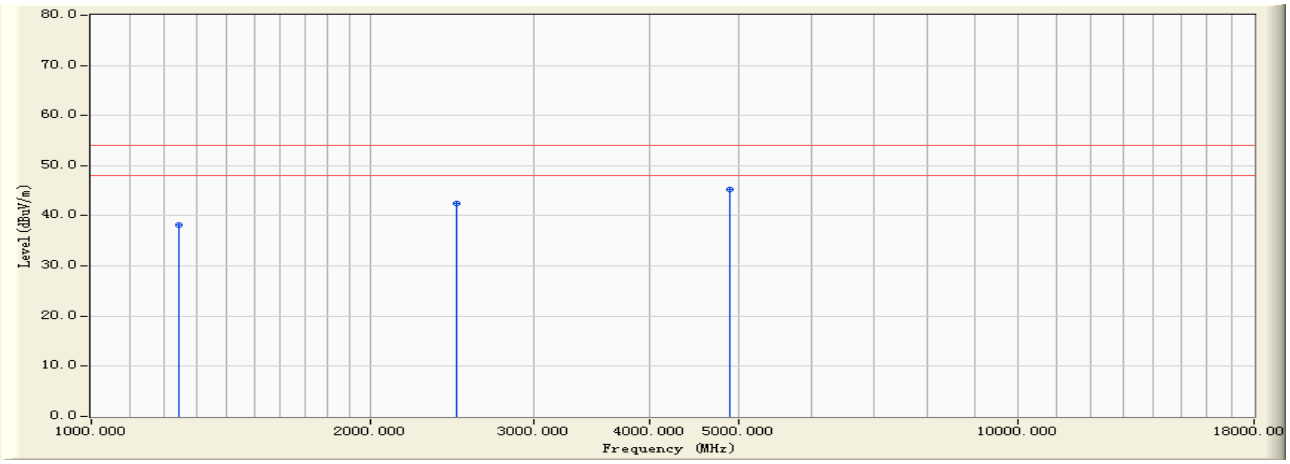


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1245.320	-5.471	50.850	45.379	-28.621	74.000	PEAK
2		2480.360	0.662	53.680	54.342	-19.658	74.000	PEAK
3	*	4896.360	7.511	51.650	59.161	-14.839	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:47**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n (20MHz) 2462M**

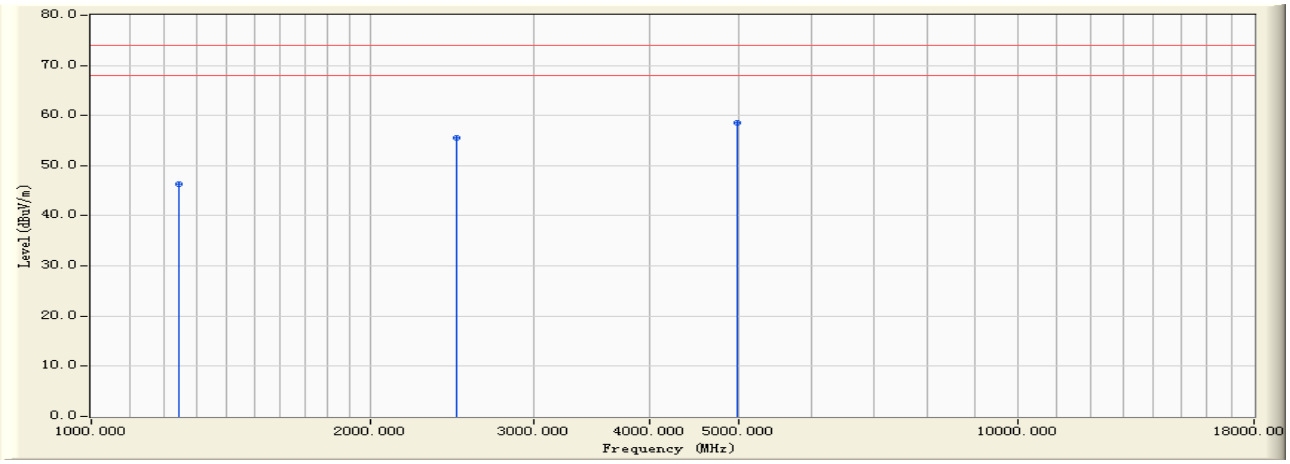


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1245.320	-5.471	43.580	38.109	-15.891	54.000	AVERAGE
2		2480.360	0.662	41.870	42.532	-11.468	54.000	AVERAGE
3	*	4896.360	7.511	37.840	45.351	-8.649	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:48**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n (20MHz) 2462M**

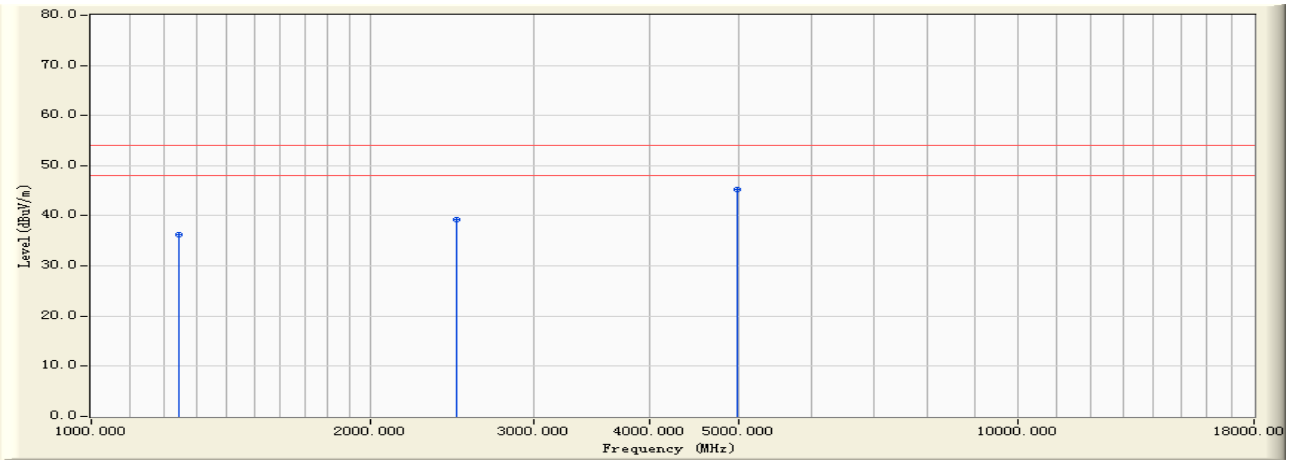


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1242.680	-5.499	51.850	46.350	-27.650	74.000	PEAK
2		2480.510	0.662	54.890	55.553	-18.447	74.000	PEAK
3	*	4987.320	7.701	50.840	58.541	-15.459	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 21:48**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n (20MHz) 2462M**

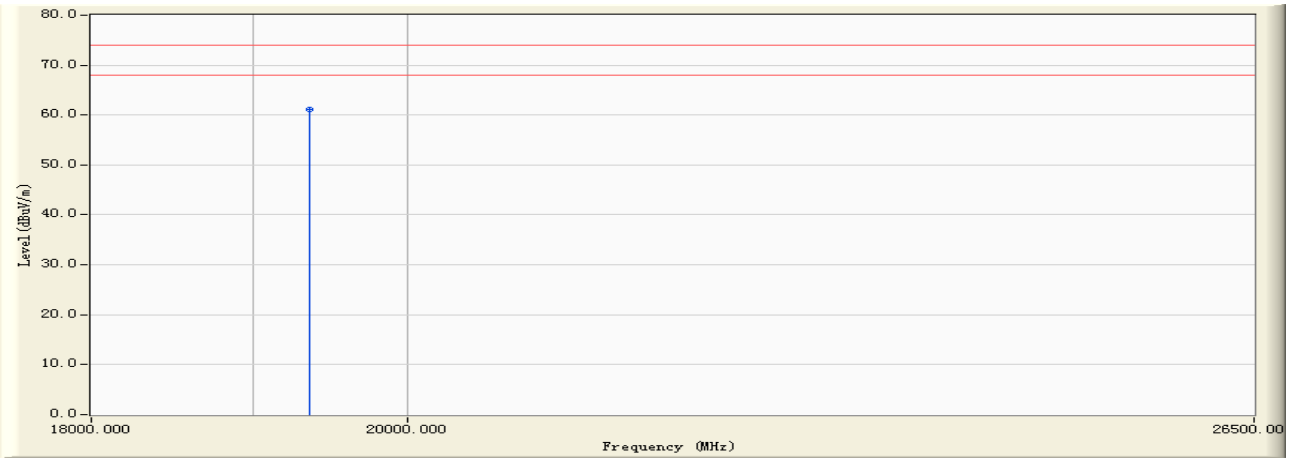


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1242.680	-5.499	41.680	36.180	-17.820	54.000	AVERAGE
2		2480.510	0.662	38.690	39.353	-14.647	54.000	AVERAGE
3	*	4987.320	7.701	37.510	45.211	-8.789	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:43**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2412M**

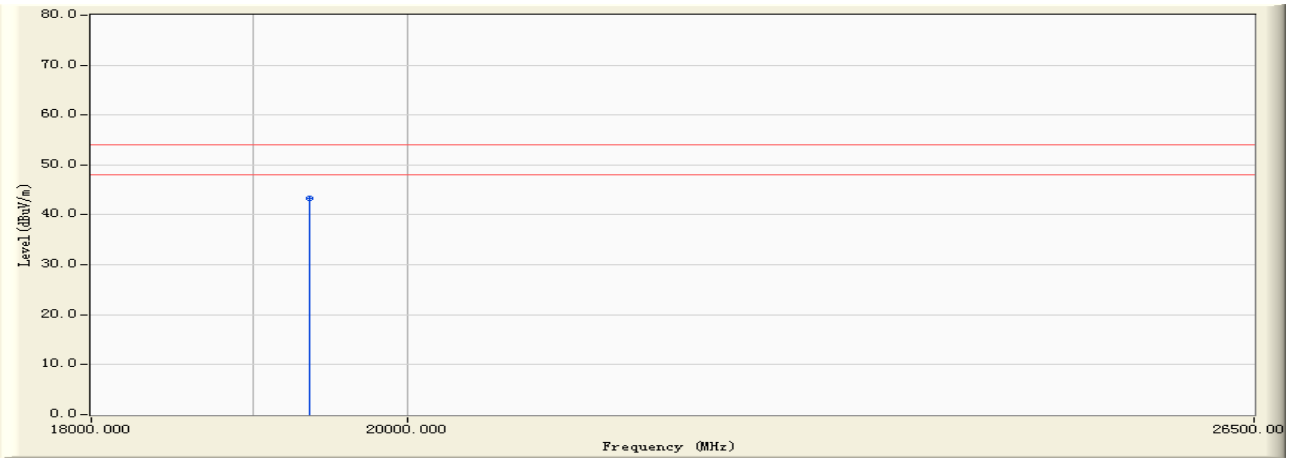


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19356.000	9.924	51.150	61.073	-12.927	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:43**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2412M**

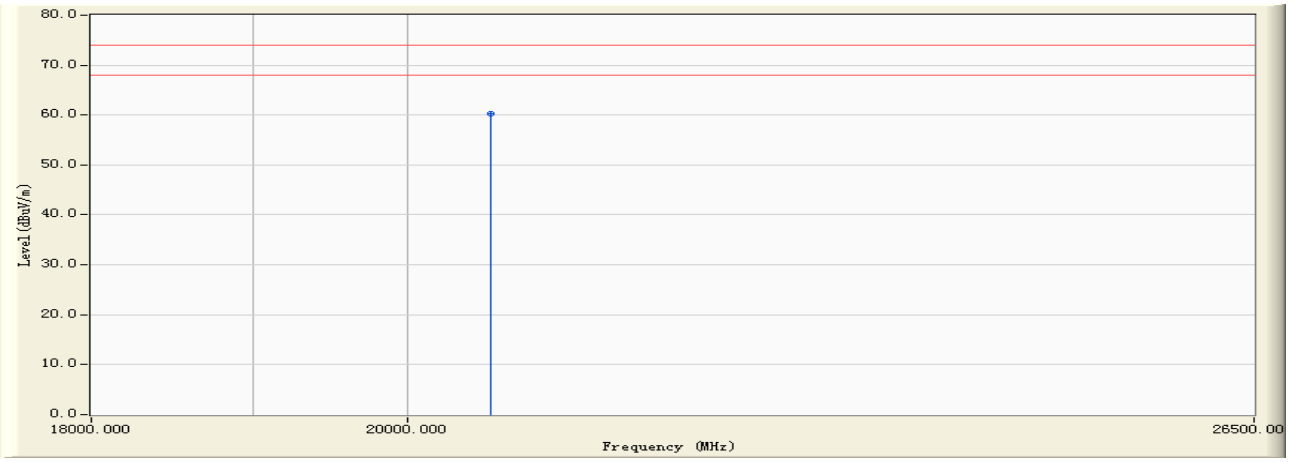


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19356.000	9.924	33.420	43.343	-10.657	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:44**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2412M**

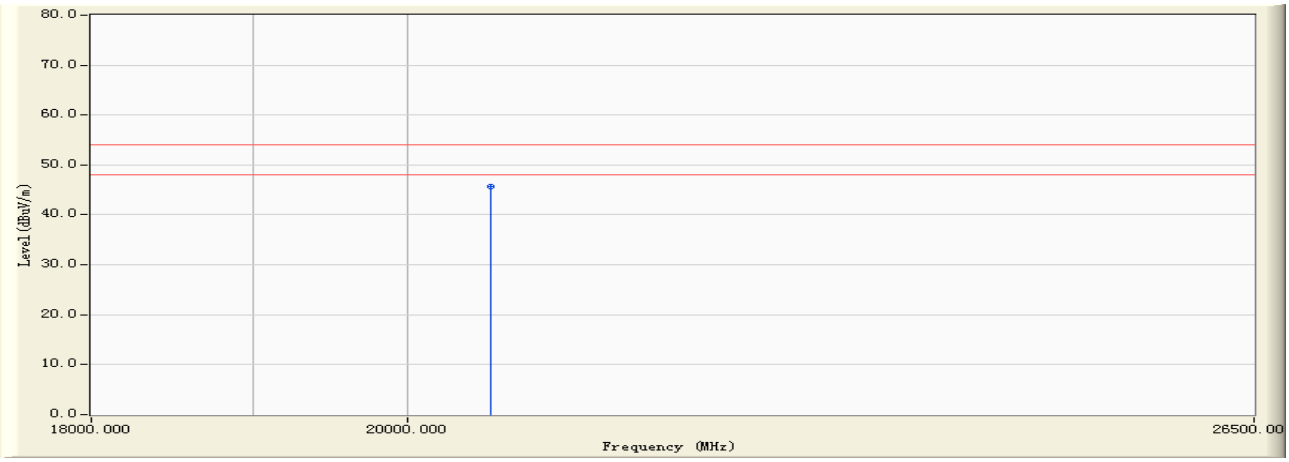


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20563.000	9.916	50.290	60.206	-13.794	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:44**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2412M**

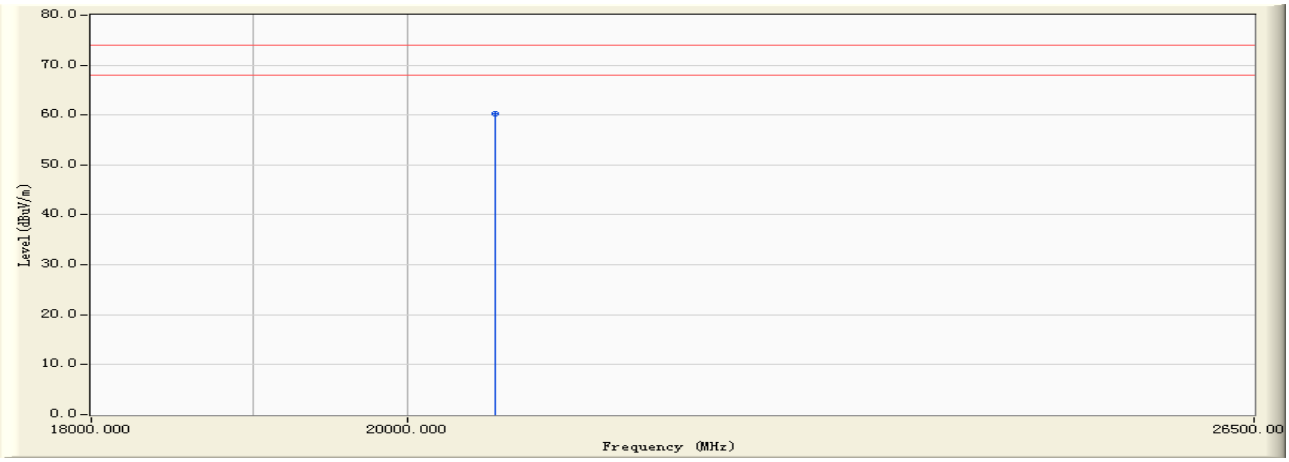


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20563.000	9.916	35.690	45.606	-8.394	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:44**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2437M**

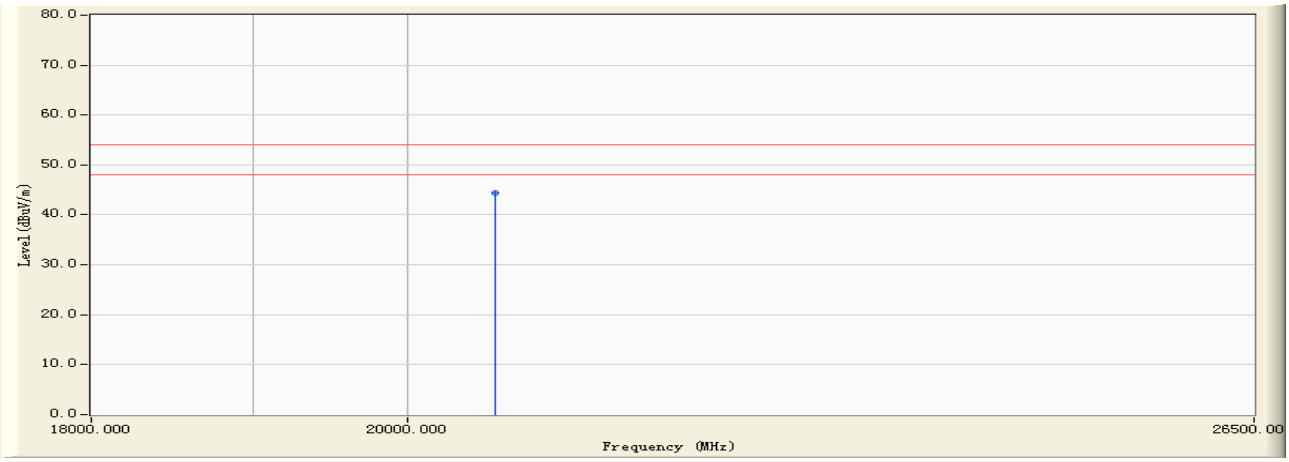


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20584.000	9.939	50.340	60.279	-13.721	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:44**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2437M**

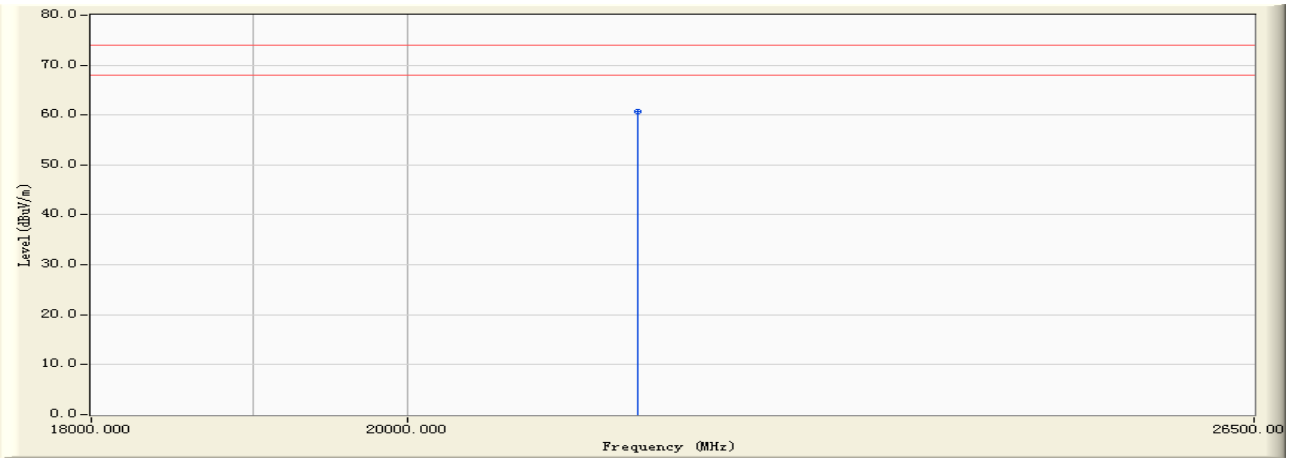


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20584.000	9.939	34.530	44.469	-9.531	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:45**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2437M**

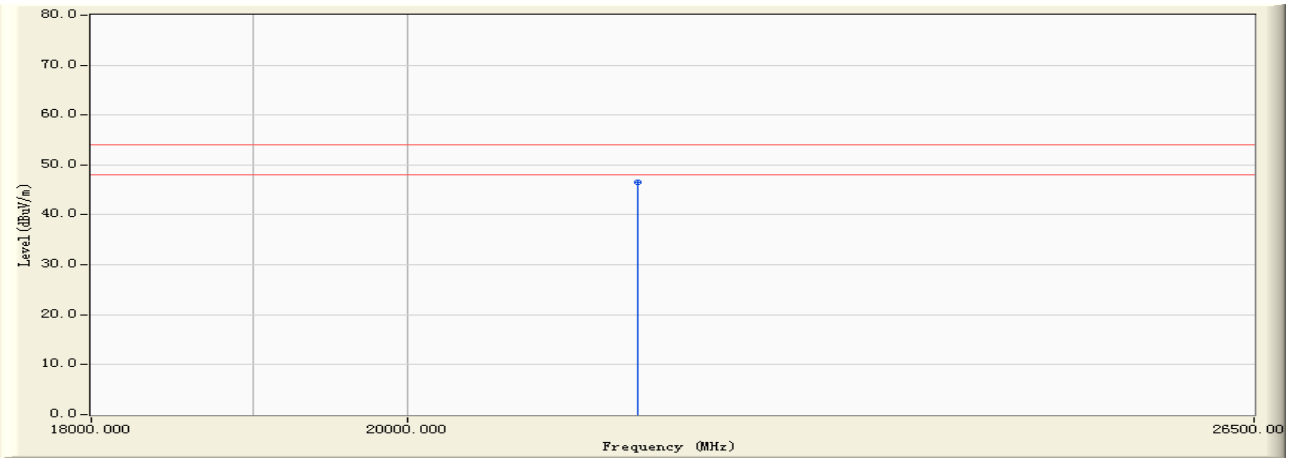


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21584.000	11.424	49.370	60.794	-13.206	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:45**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2437M**

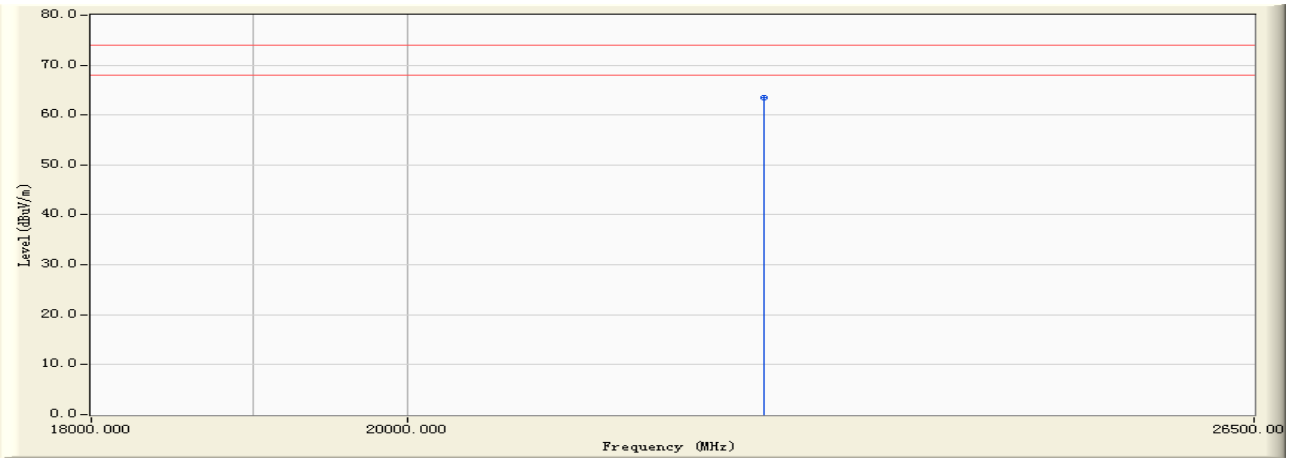


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21584.000	11.424	35.210	46.634	-7.366	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:46**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2462M**

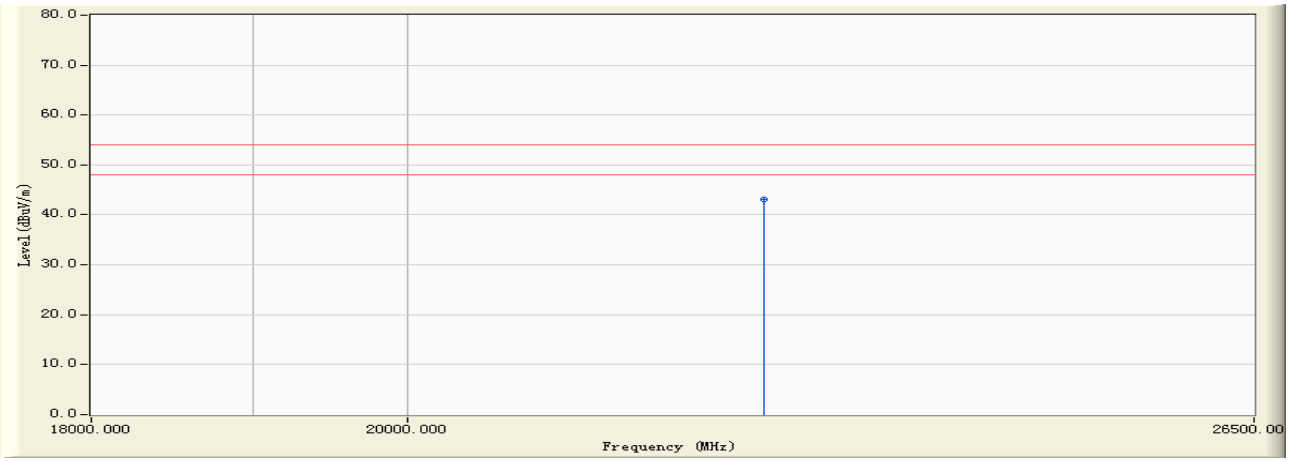


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22513.000	13.235	50.240	63.475	-10.525	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:46**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2462M**

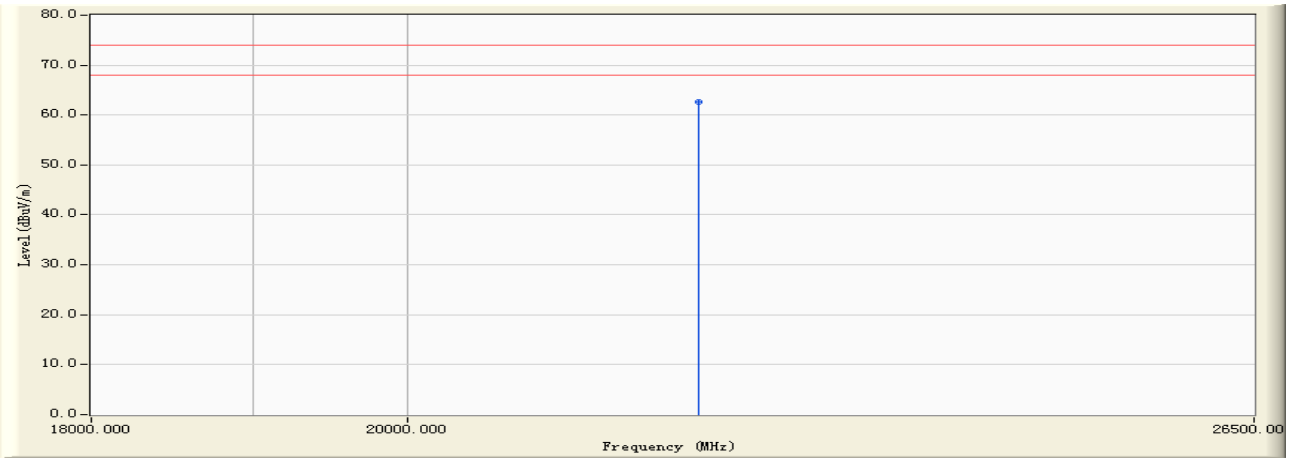


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22513.000	13.235	29.920	43.155	-10.845	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:46**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2462M**

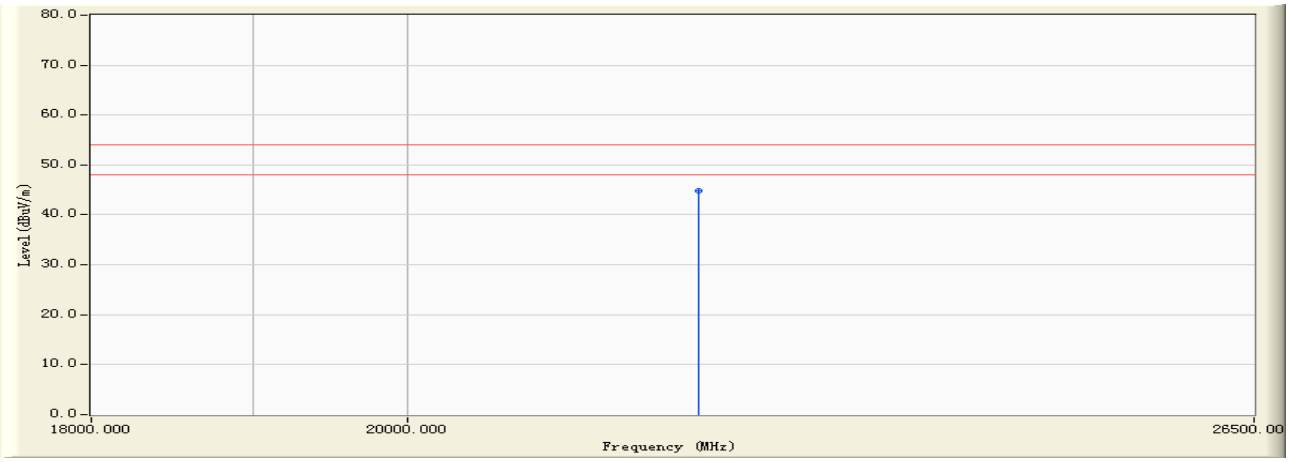


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22035.000	12.346	50.310	62.656	-11.344	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:46**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 4: Receiver by 802.11b 2462M**

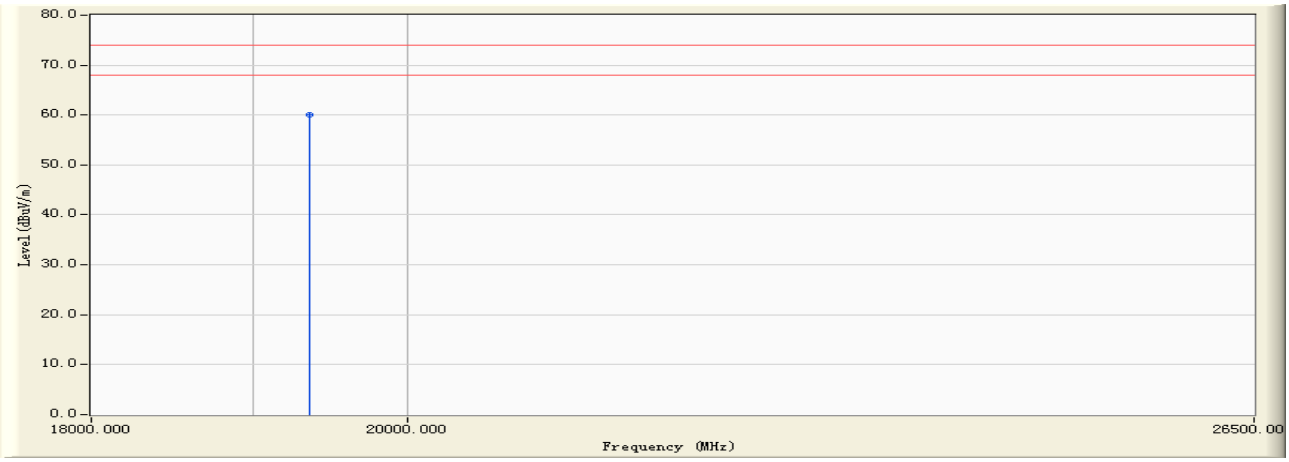


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22035.000	12.346	32.560	44.906	-9.094	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:54**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2412M**

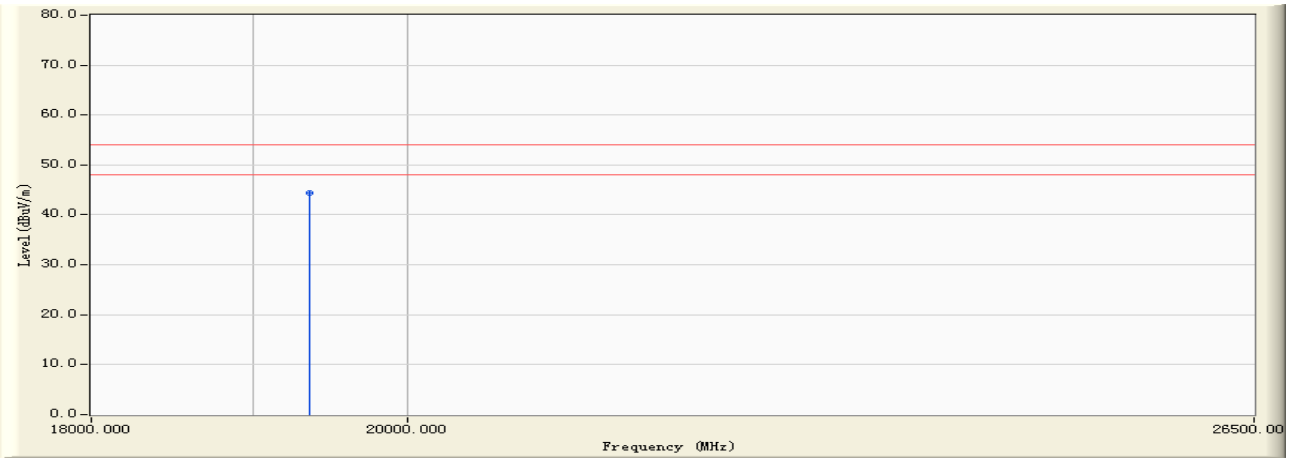


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19358.000	9.925	50.230	60.154	-13.846	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:54**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2412M**

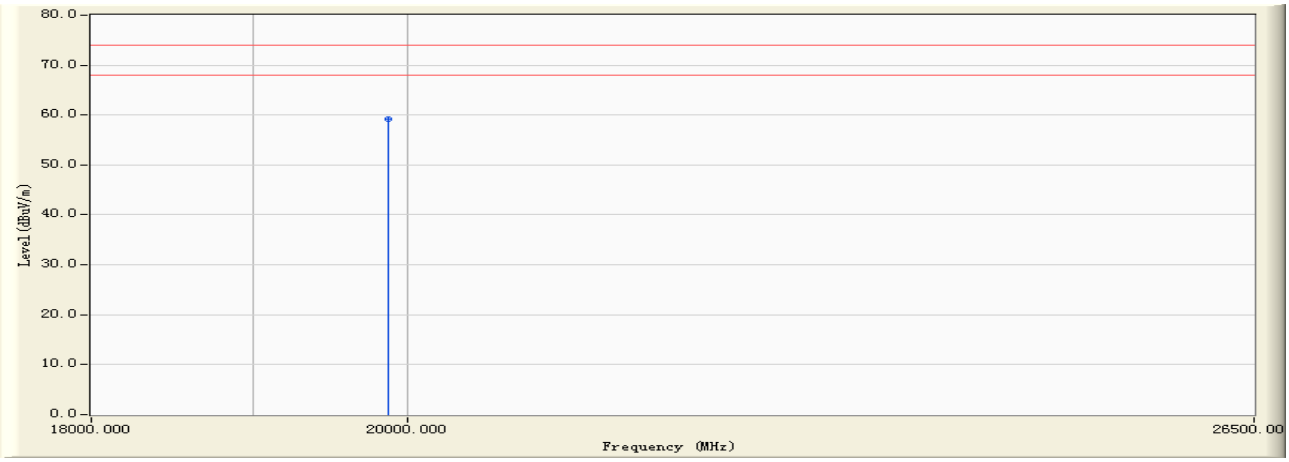


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19358.000	9.925	34.510	44.434	-9.566	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:54**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2412M**

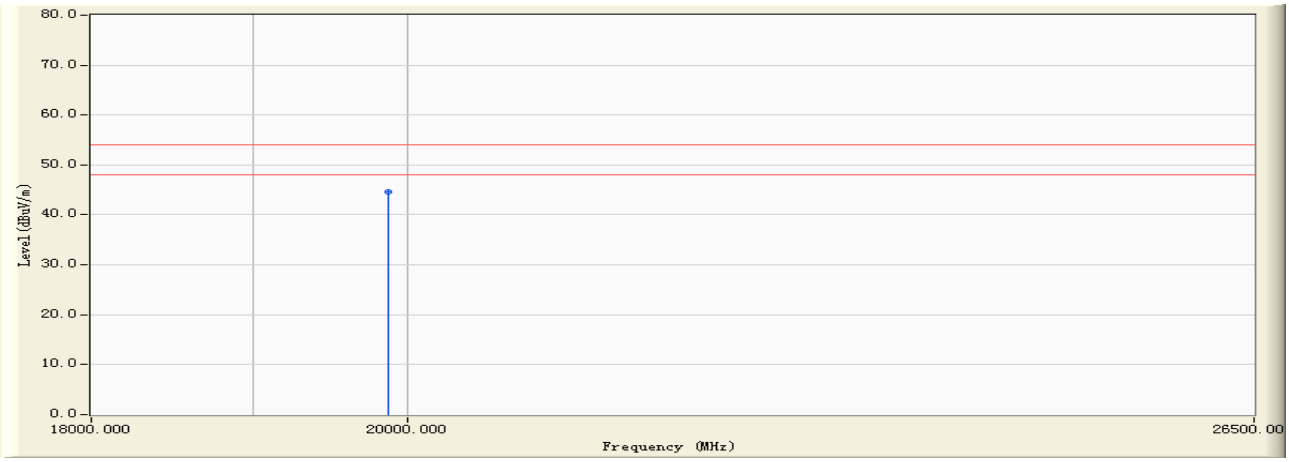


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19865.000	9.930	49.370	59.299	-14.701	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06- 10:54**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2412M**

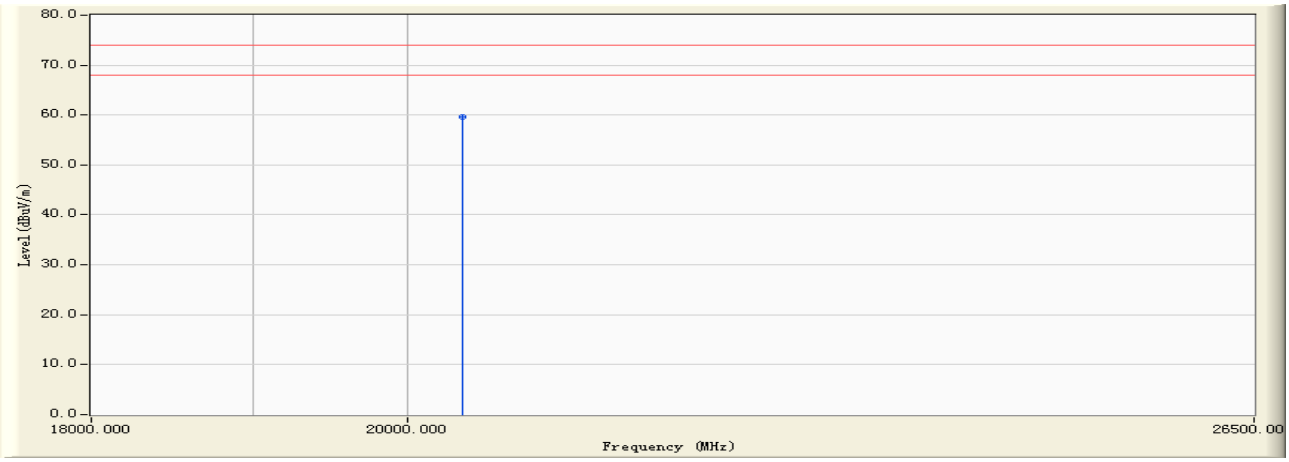


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19865.000	9.930	34.620	44.549	-9.451	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:55**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2437M**

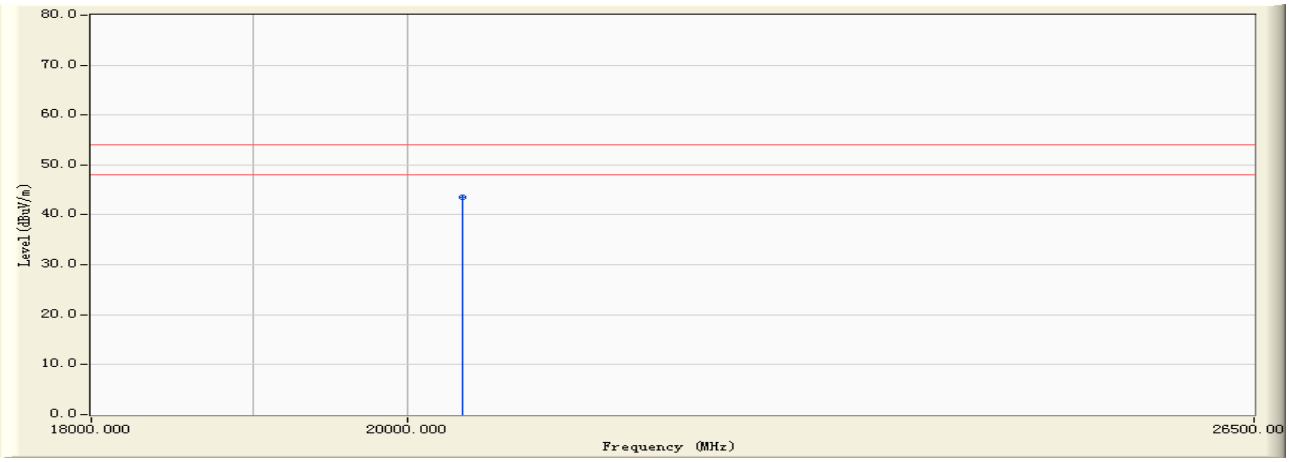


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20368.000	9.870	49.860	59.730	-14.270	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:55**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2437M**

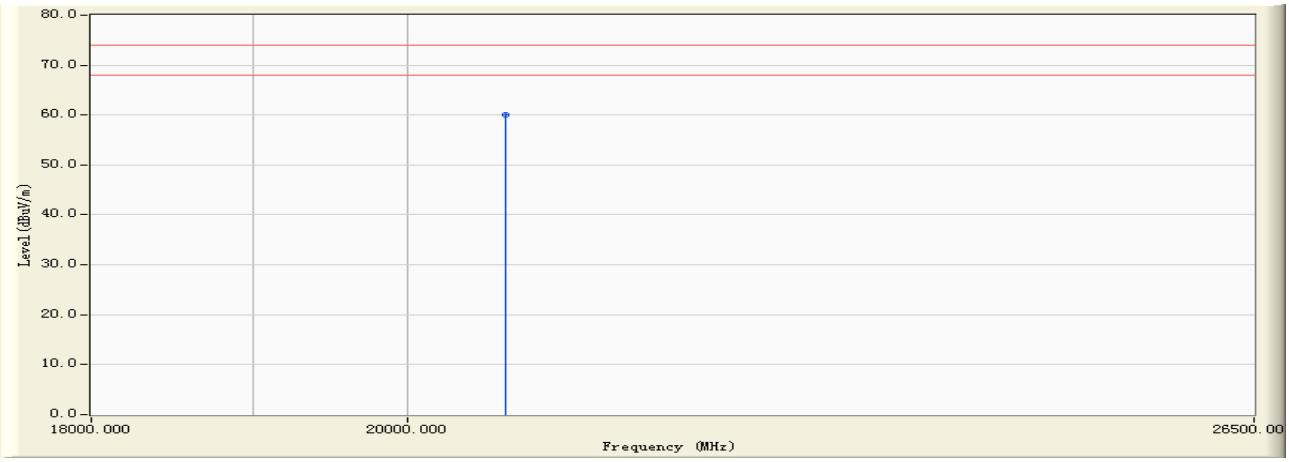


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20368.000	9.870	33.570	43.440	-10.560	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:55**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2437M**

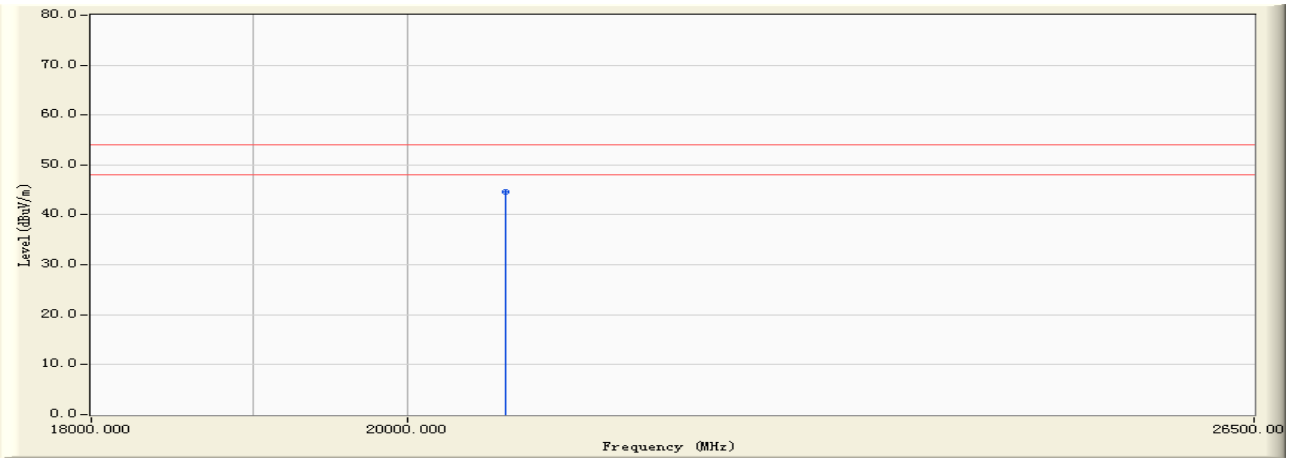


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20658.000	9.989	50.130	60.119	-13.881	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:55**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2437M**

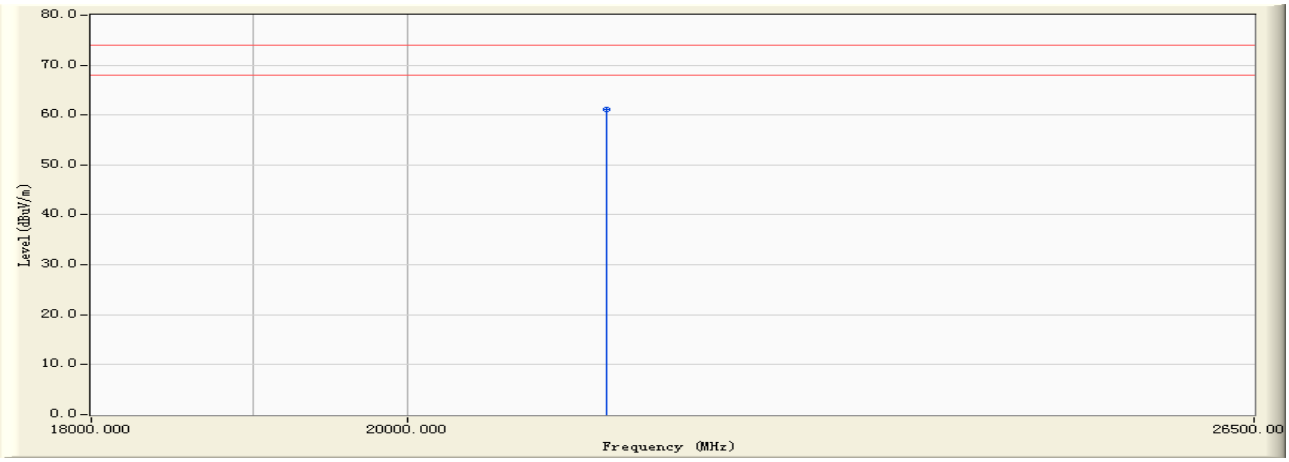


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20658.000	9.989	34.570	44.559	-9.441	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:56**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2462M**

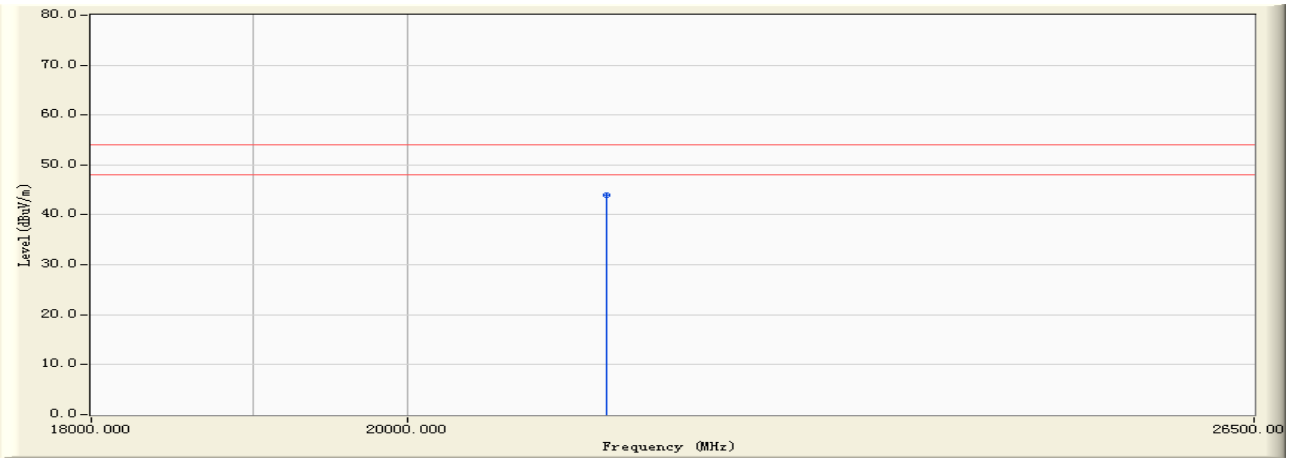


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21365.000	11.008	50.140	61.148	-12.852	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:56**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2462M**

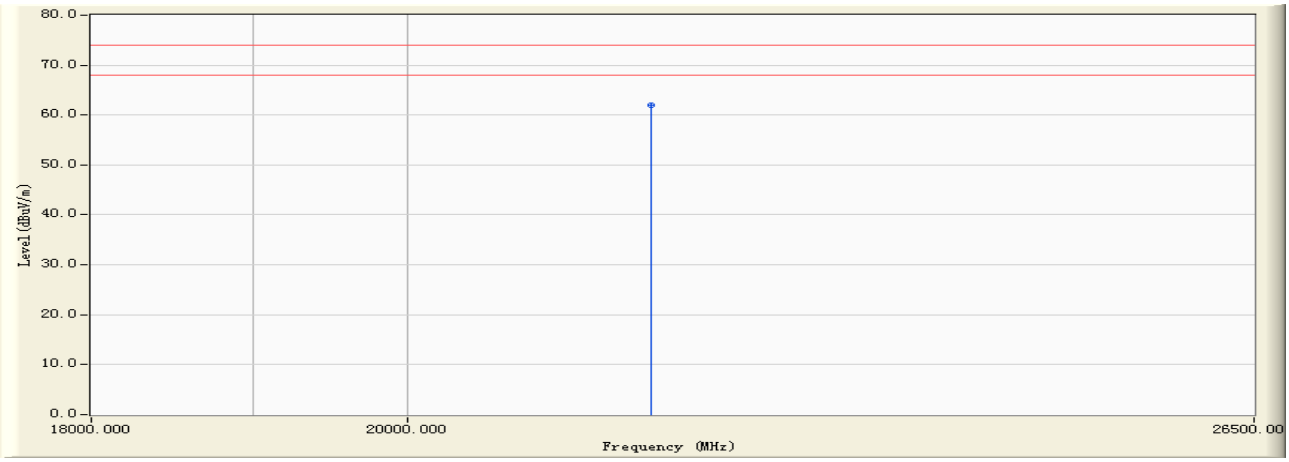


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21365.000	11.008	32.920	43.928	-10.072	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:57**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2462M**

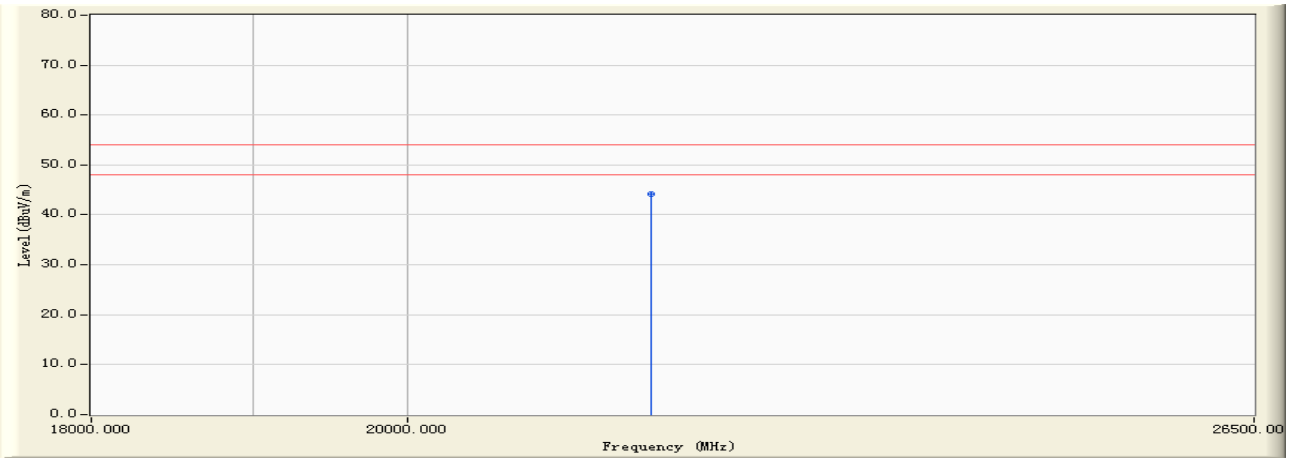


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21687.000	11.622	50.310	61.932	-12.068	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:57**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 5: Receiver by 802.11g 2462M**

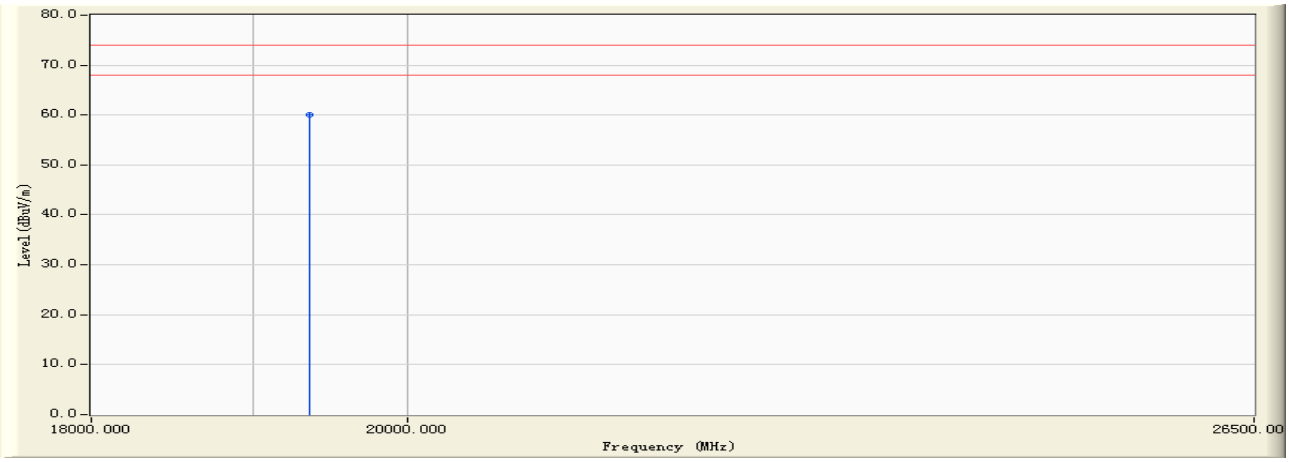


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21687.000	11.622	32.570	44.192	-9.808	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:59**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n(20MHz) 2412M**

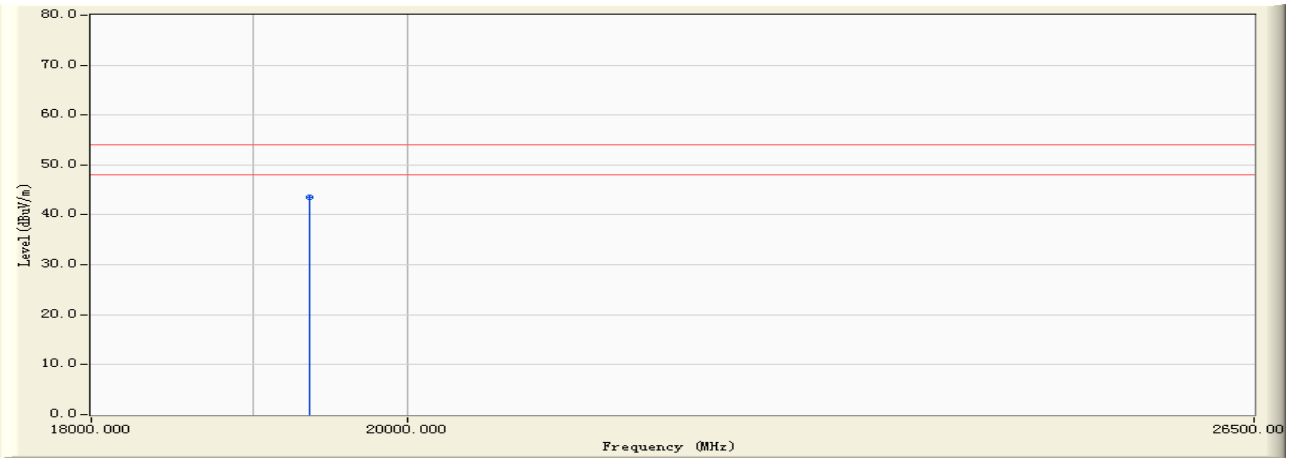


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19356.000	9.924	50.230	60.153	-13.847	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 10:59**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n(20MHz) 2412M**

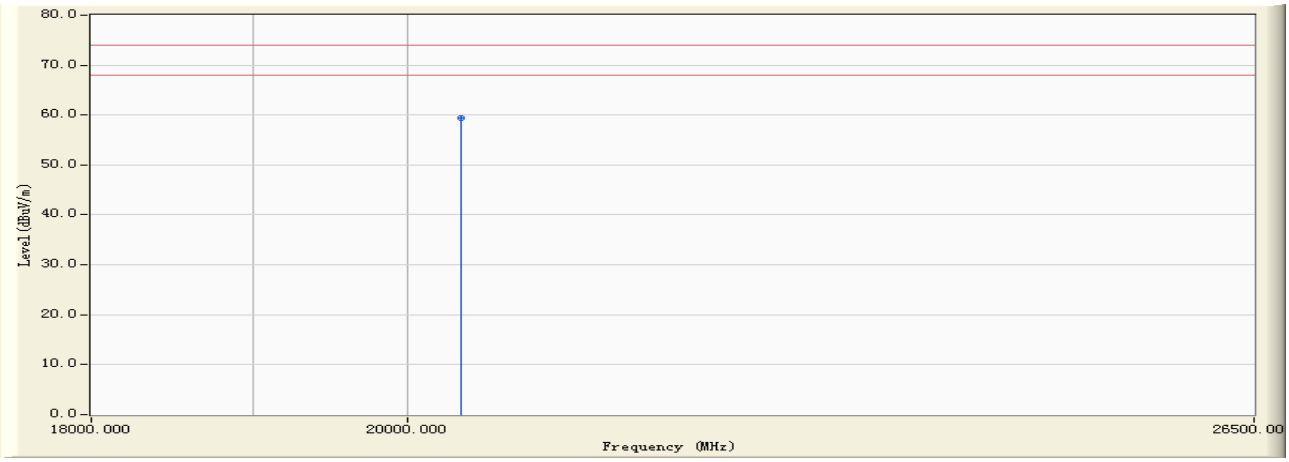


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19356.000	9.924	33.510	43.433	-10.567	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:01**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n(20MHz) 2412M**

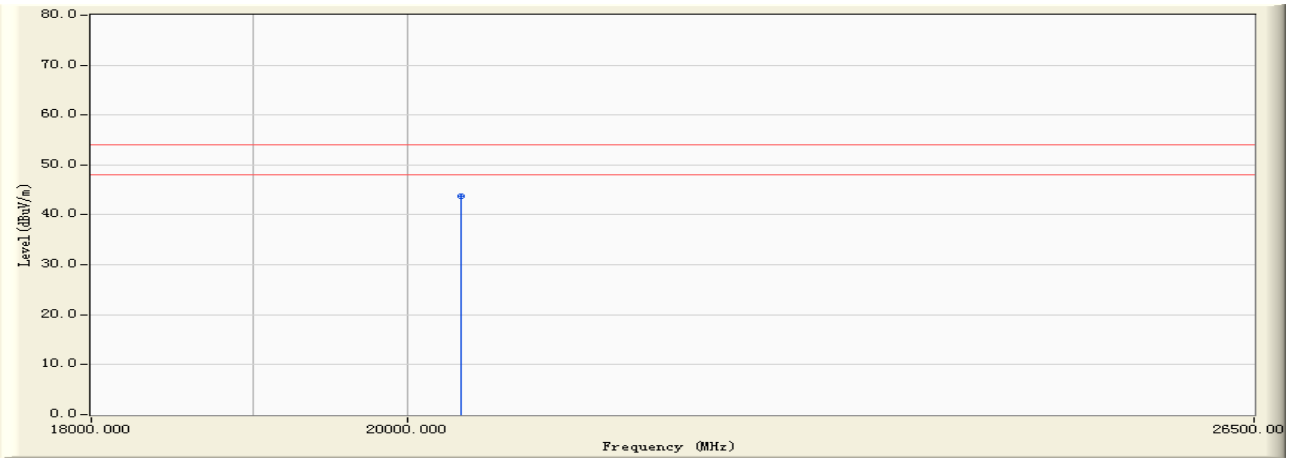


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20359.000	9.872	49.580	59.452	-14.548	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:01**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n(20MHz) 2412M**

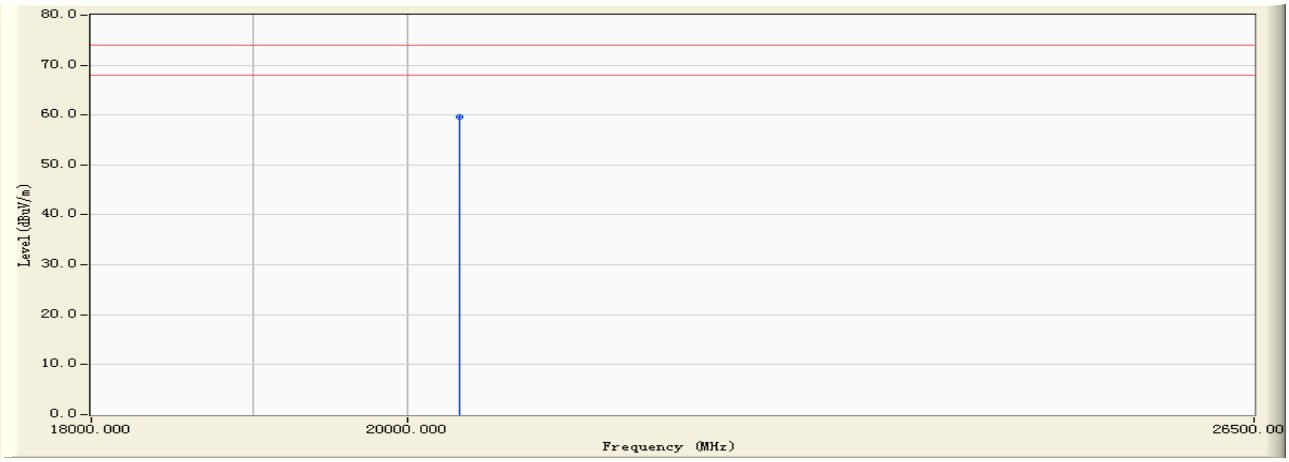


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20359.000	9.872	33.940	43.812	-10.188	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:02**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)-- HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n(20MHz) 2437M**

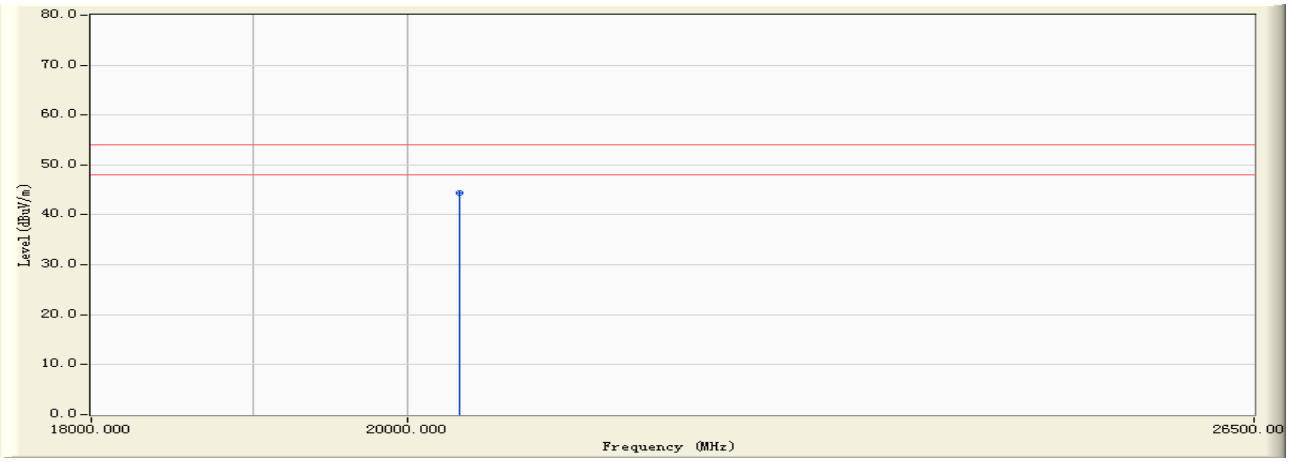


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20349.000	9.871	49.860	59.731	-14.269	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:02**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)-- HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n(20MHz)2437M**

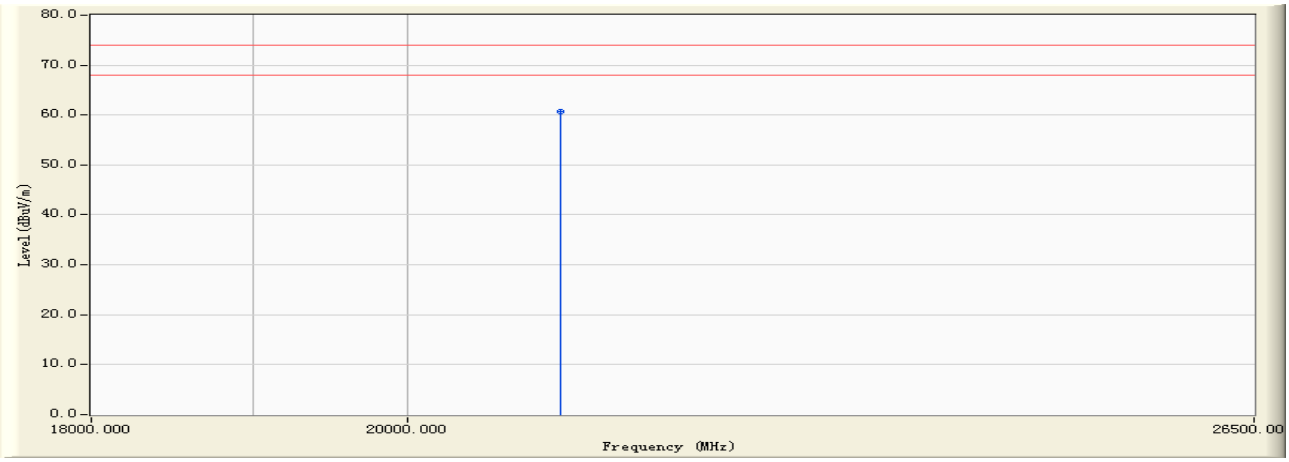


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20349.000	9.871	34.420	44.291	-9.709	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:02**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)-- VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n(20MHz) 2437M**

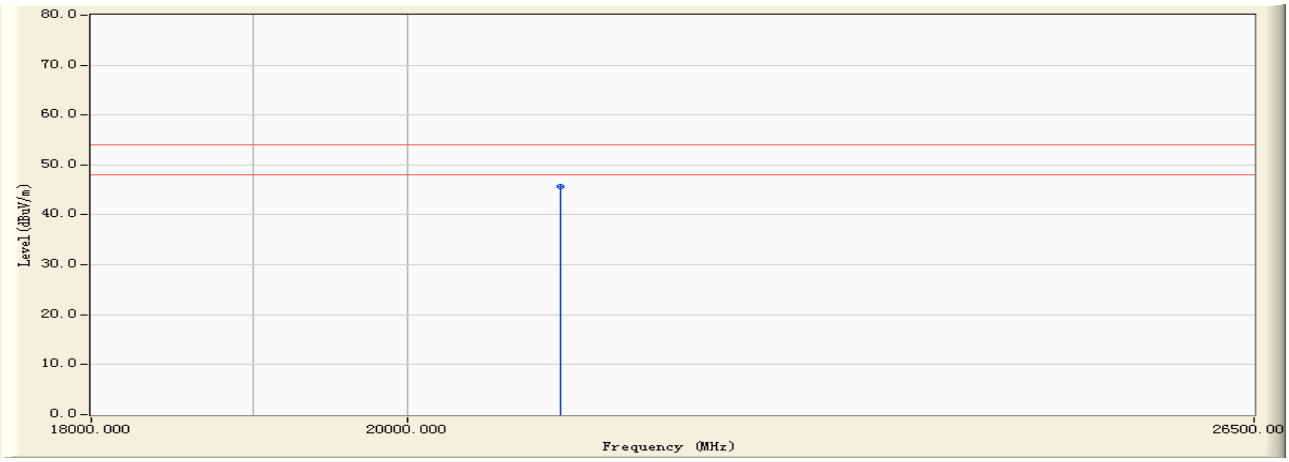


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21036.000	10.377	50.270	60.647	-13.353	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:02**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n(20MHz)2437M**

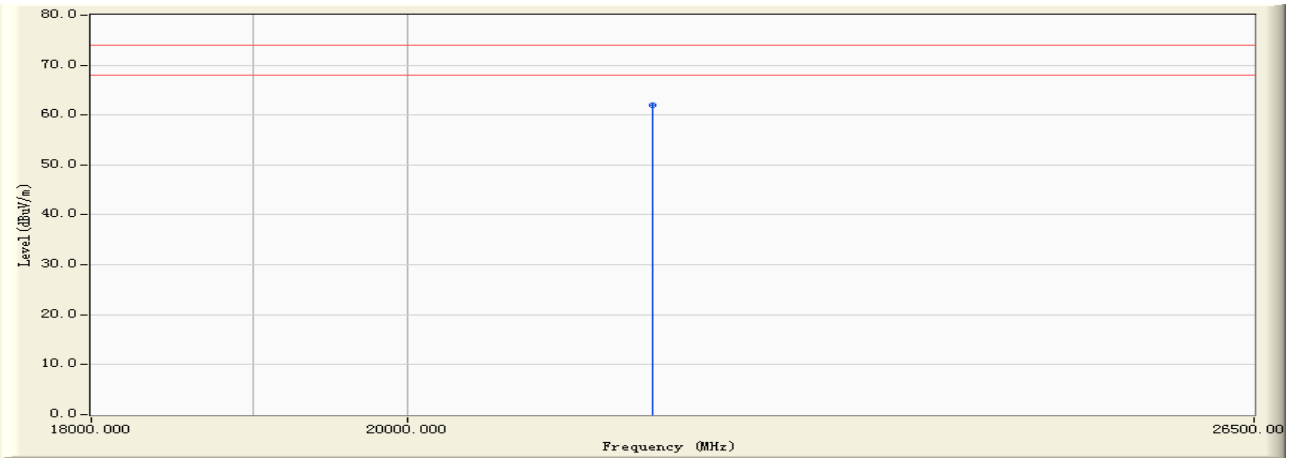


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21036.000	10.377	35.240	45.617	-8.383	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:03**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n (20MHz) 2462M**

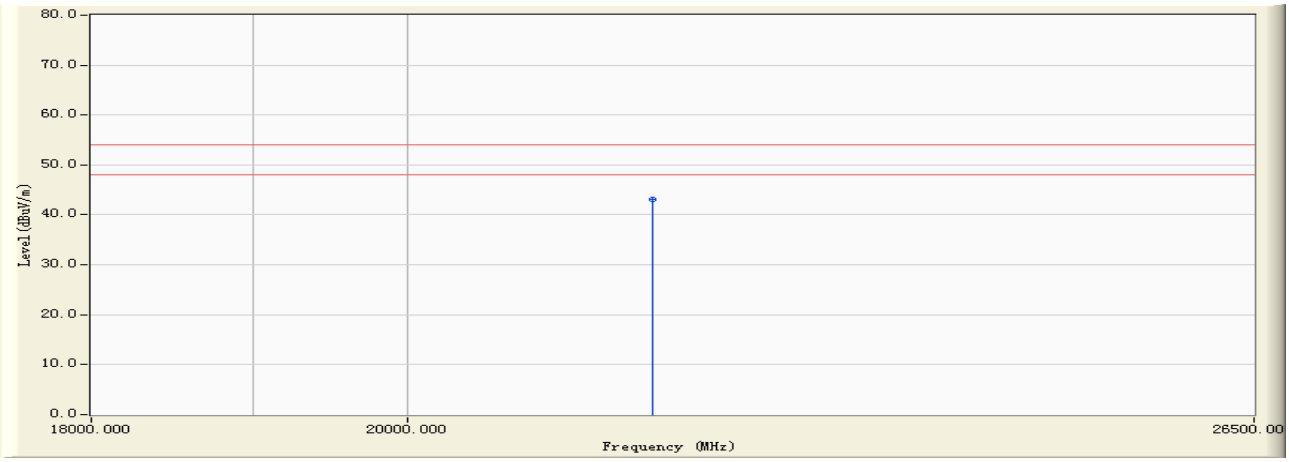


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21695.000	11.635	50.370	62.005	-11.995	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:03**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)-- HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n (20MHz) 2462M**

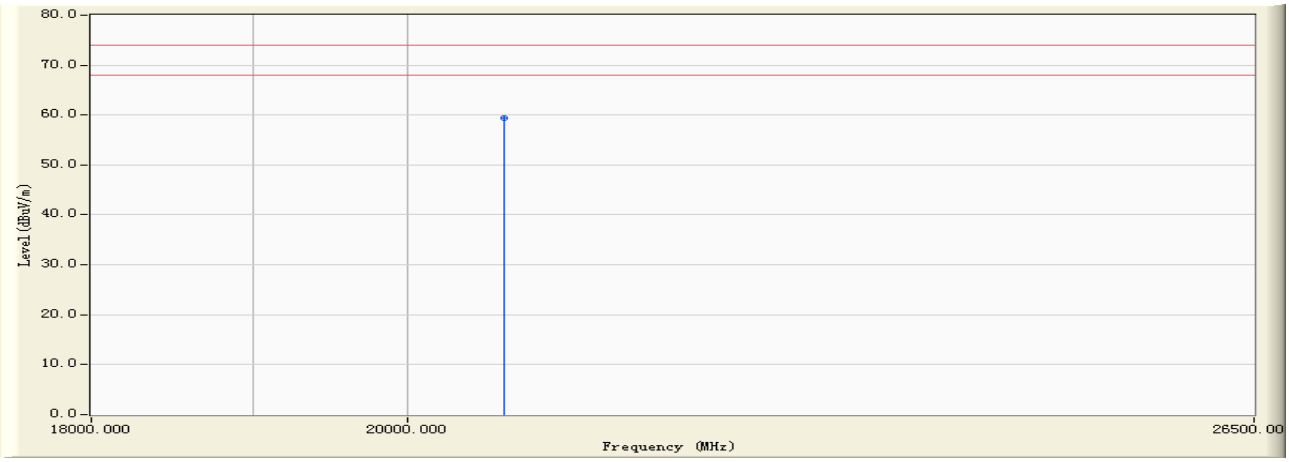


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21695.000	11.635	31.430	43.065	-10.935	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:04**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)-- VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n (20MHz) 2462M**

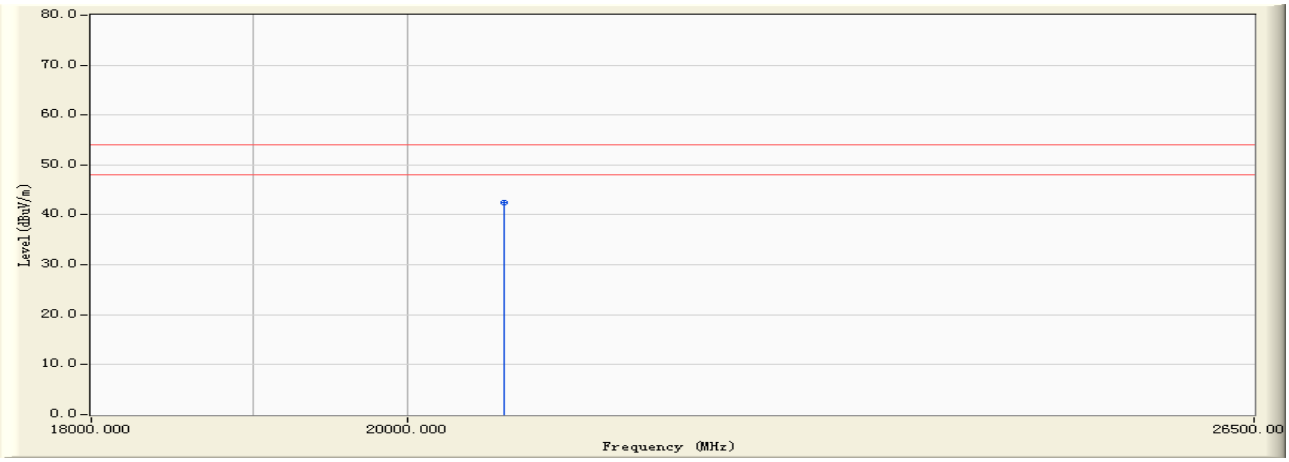


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20649.000	9.982	49.340	59.322	-14.678	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-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

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 11:04**
Limit : FCC_15_03M_AV	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9170D(18-26.5G)- - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 6: Receiver by 802.11n (20MHz) 2462M**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20649.000	9.982	32.580	42.562	-11.438	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-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

5. Occupie d Bandwidth

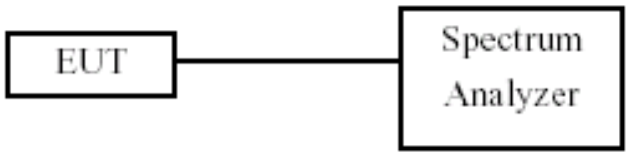
5.1. T est Limit

Systems using digital modulation techniques may operate in the 902 - 928 MHz, 2400 - 2483.5 MHz, and 5725- 5850 MHz band. The minimum 6 dB bandwidth shall be at least 500 kHz.

5.2. T est Procedures

The EUT was tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 100 kHz, Span greater than RBW.

5.3. Test Setup Layout



5.4. Measurement Equipment

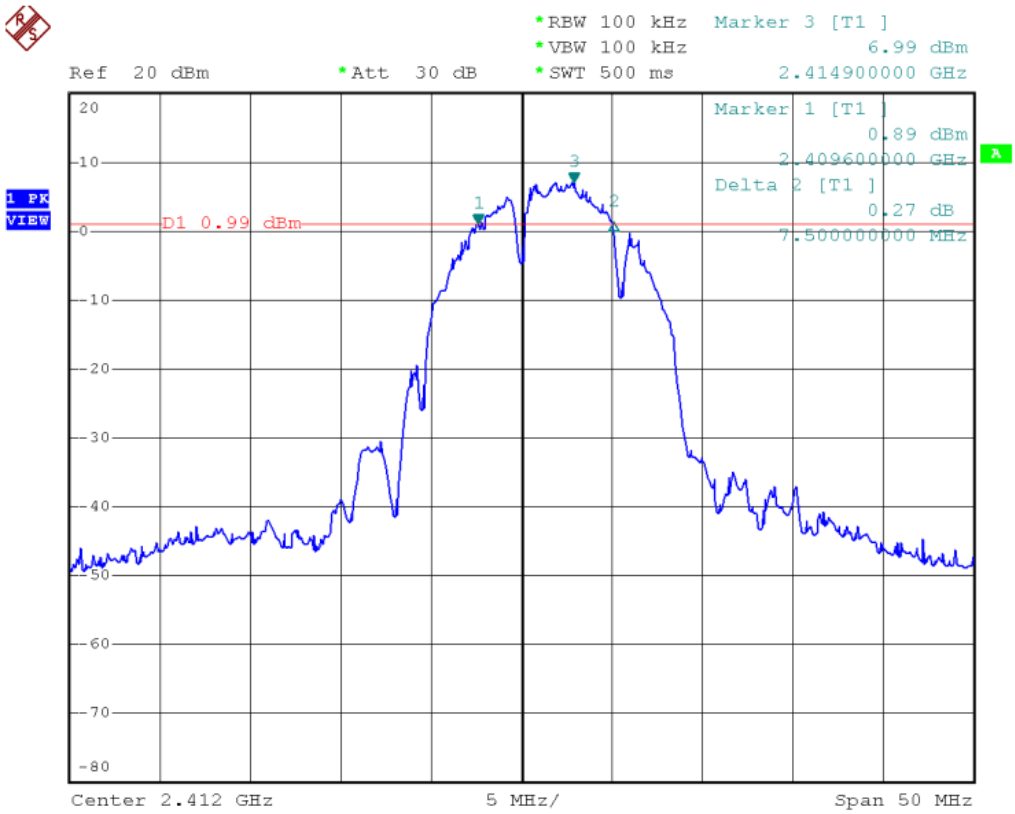
Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date
Spectrum Analyzer	R&S	FSP40	100324	2010.08.14
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2010.08.17

5.5. Test Result and Data

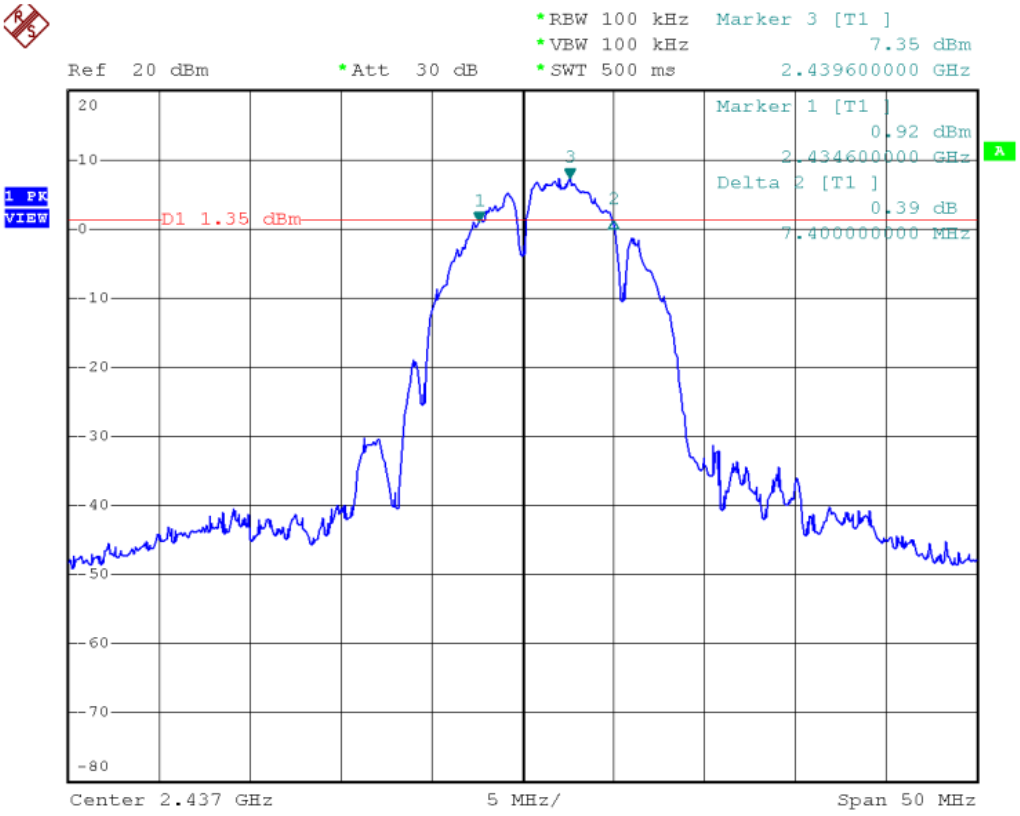
Test Item	Occupied Bandwidth
Test Mode	Mode 1:Transmit by 802.11b
Test Date	2010-11-09

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	7500	500	Pass
06	2437	7400	500	Pass
11	2462	7200	500	Pass

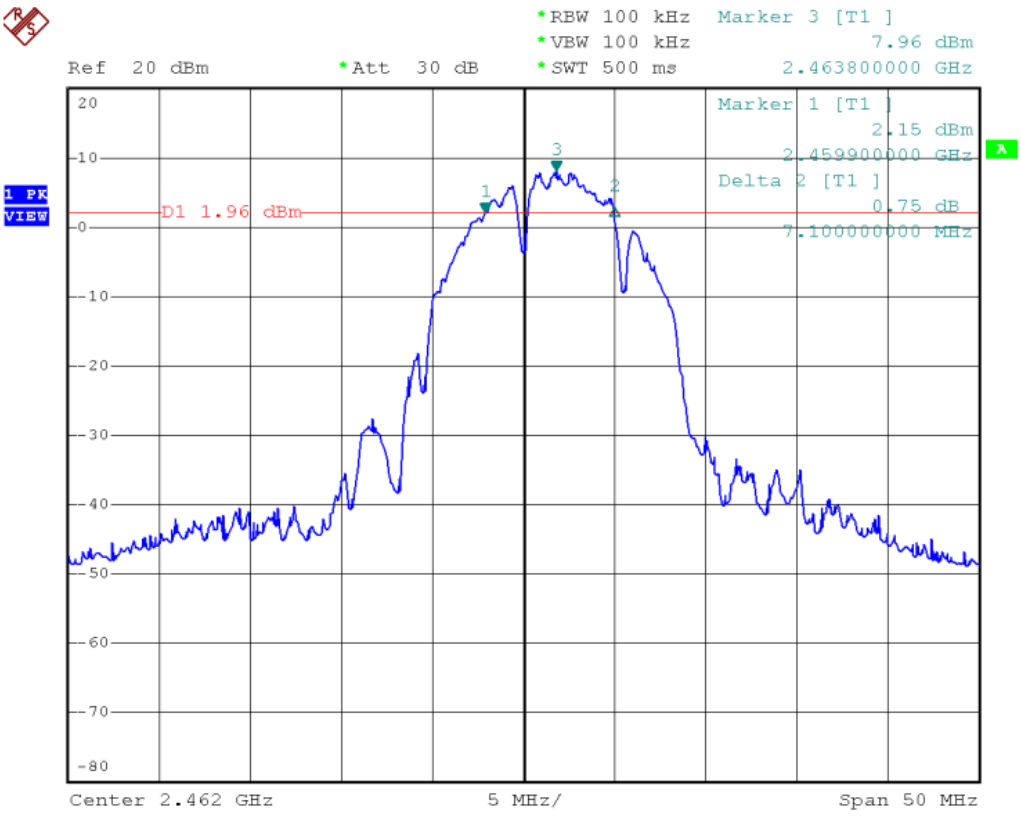
Channel 01 (2412MHz)



Channel 06 (2437MHz)



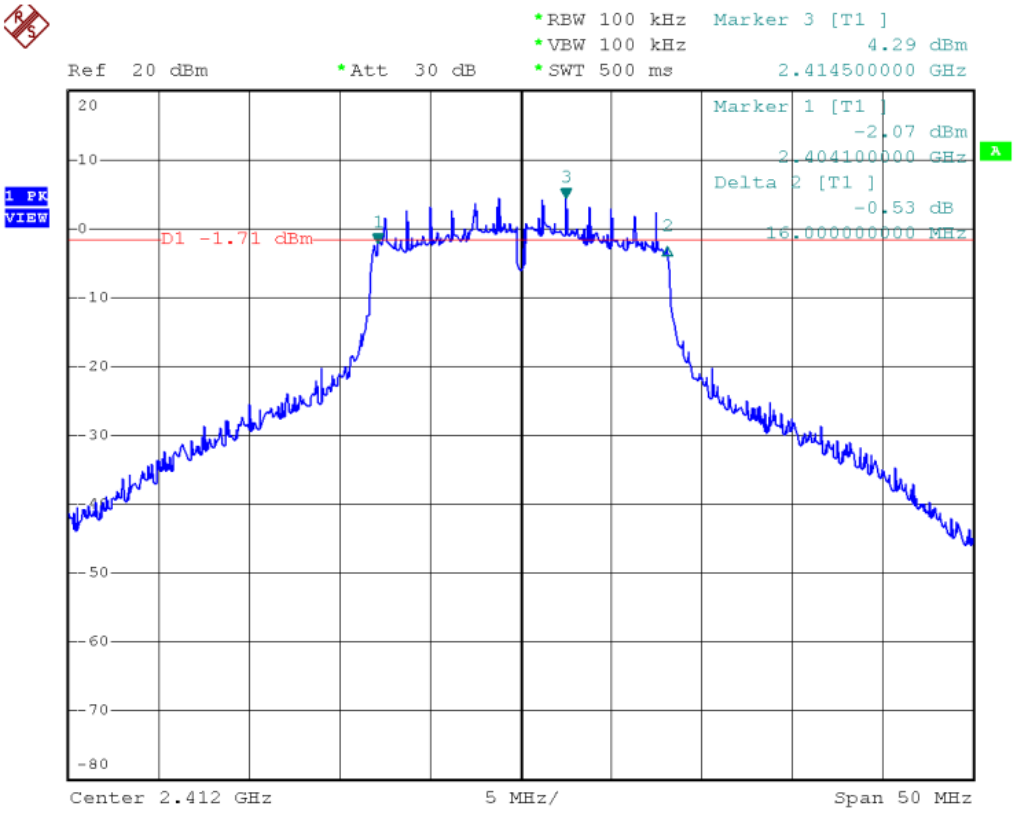
Channel 11 (2462MHz)



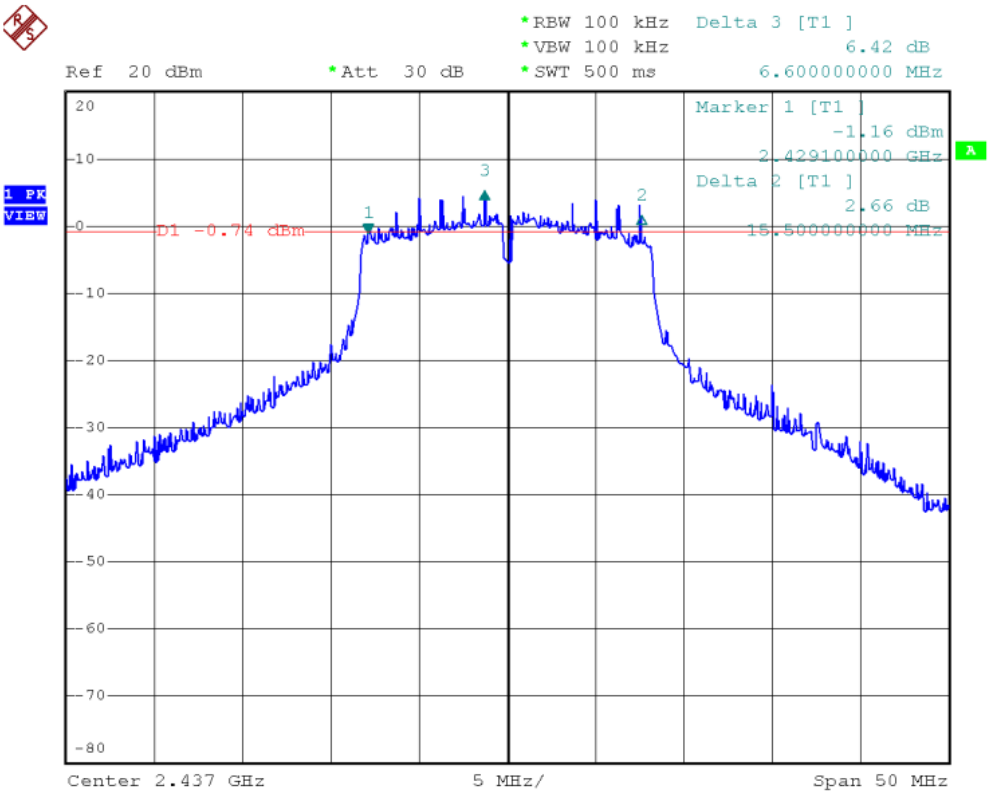
Test Item	Occupied Bandwidth
Test Mode	Mode 2:Transmit by 802.11g
Test Date	2010-11-09

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	16000	500	Pass
06	2437	15500	500	Pass
11	2462	15500	500	Pass

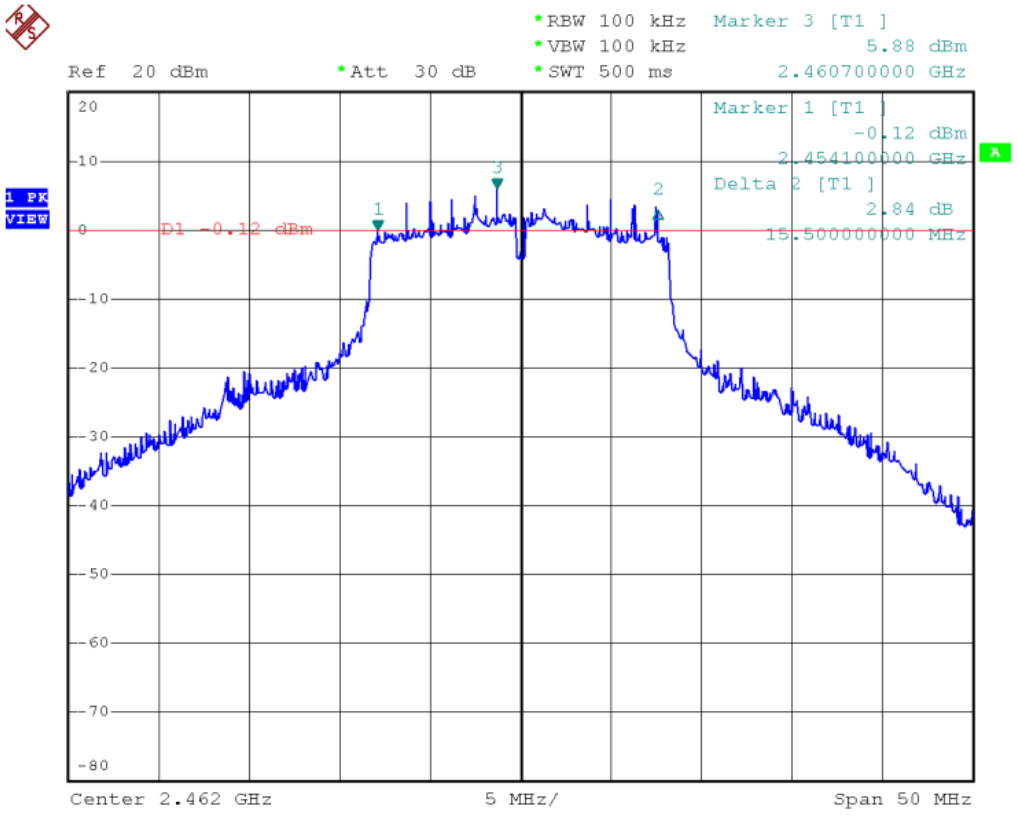
Channel 01 (2412MHz)



Channel 06 (2437MHz)



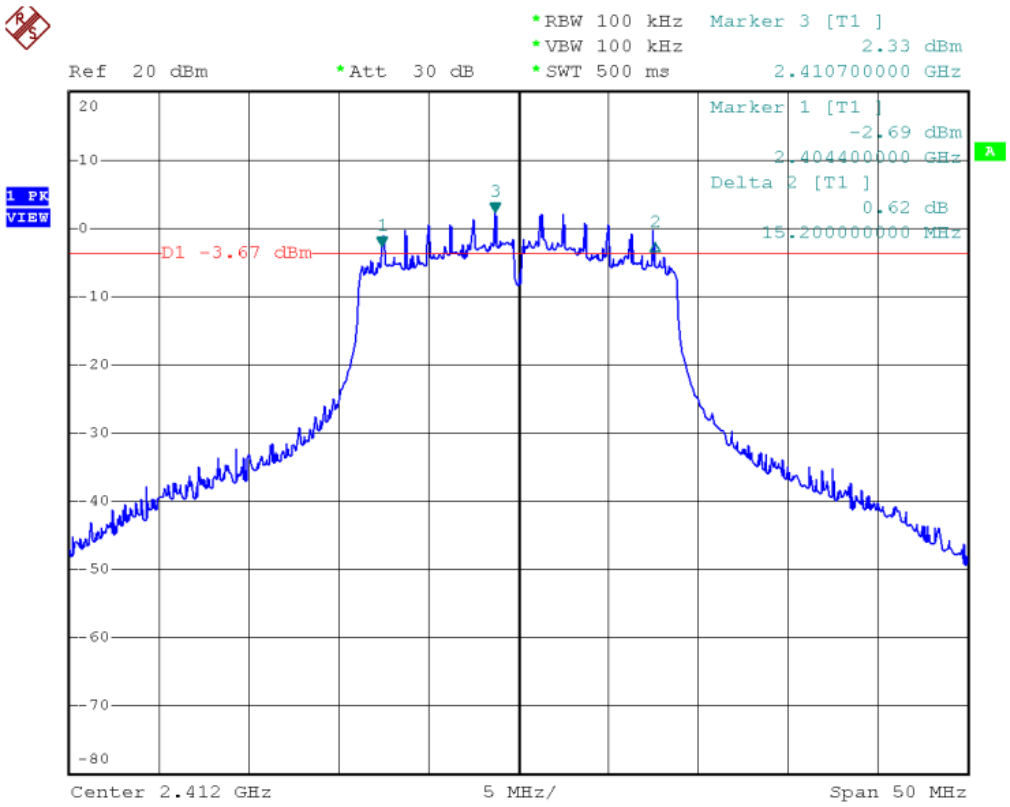
Channel 11 (2462MHz)



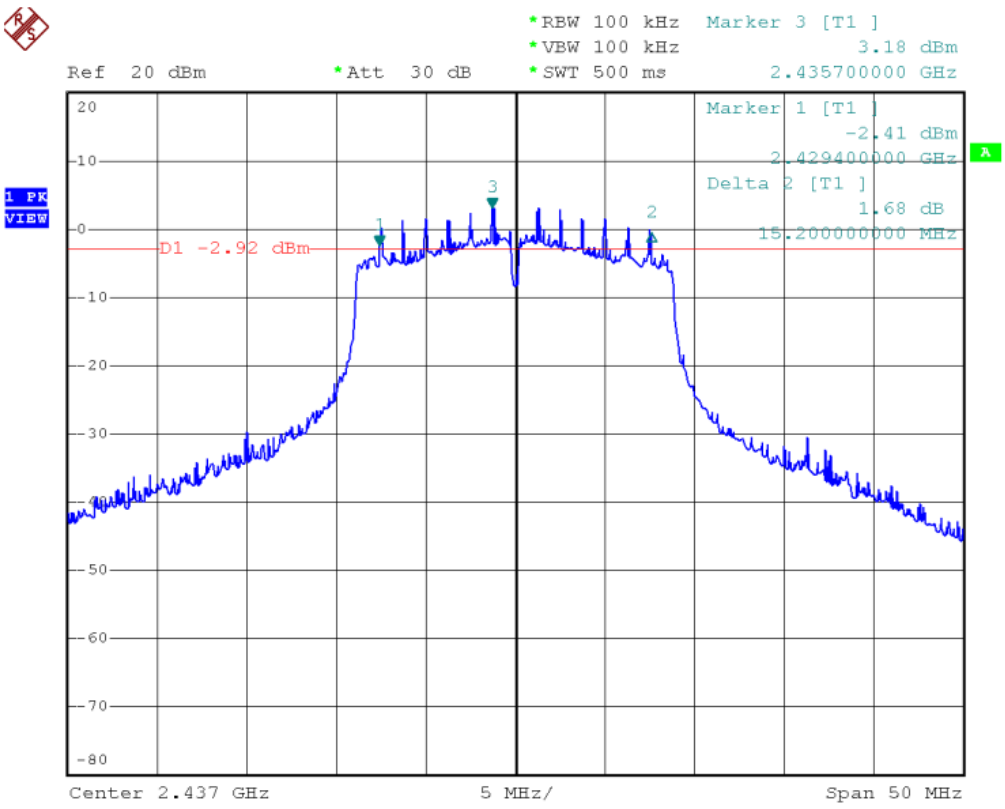
Test Item	Occupied Bandwidth
Test Mode	Mode 3: Transmit by 802.11n
Test Date	2010-11-09

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	15200	500	Pass
06	2437	15200	500	Pass
11	2462	15200	500	Pass

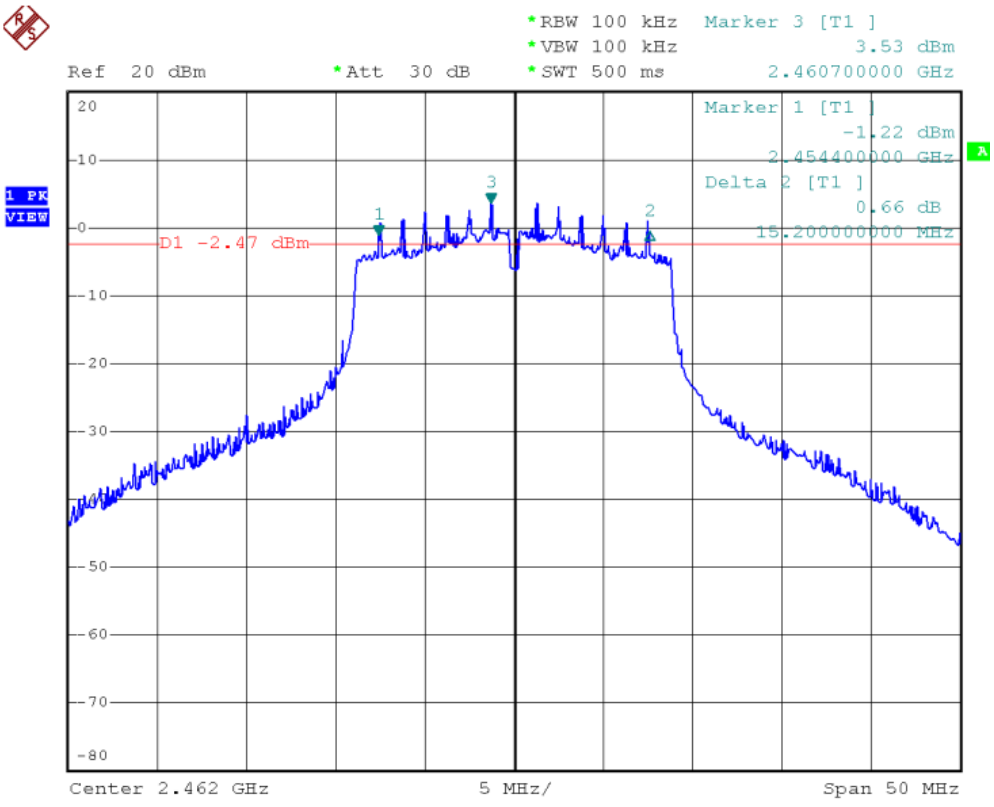
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



6. Maximum Peak Output Power

6.1. T est Limit

The maximum peak power shall be less 1Watt (30dBm).
The conducted output power limit is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of standard FCC part 15.247, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power of the intentional radiator is reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6 dBi.

6.2. T est Procedure

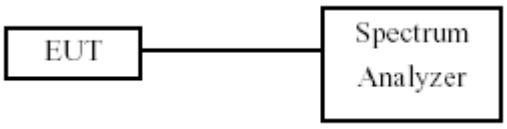
The EUT was tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

In the following, “T” is the transmission pulse duration over which the transmitter is on and transmitting at its maximum power control level. Measurements are performed with a spectrum analyzer. Three methods are provided to accommodate measurement limitations of the spectrum analyzer depending on signal parameters. Set resolution bandwidth (RBW) = 1 MHz. Set span to encompass the entire emission bandwidth (EBW) of the signal. Use automatic setting for analyzer sweep time (except in Method #2). Check the sweep time to determine which procedure to use.

As “T” ≧ sweep time, the test procedure will be used as following:
1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1 MHz.
3. Set VBW ≧ 3 MHz.
4. Use sample detector mode if bin width (i.e., span/number of points in spectrum display) < 0.5 RBW. Otherwise use peak detector mode.
5. Use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at full control power for entire sweep of every sweep. If the device transmits continuously, with no off intervals or reduced power intervals, the trigger may be set to “free run”.
6. Trace average 100 traces in power averaging mode.
7. Compute power by integrating the spectrum across the 26 dB EBW of the signal. The integration can be performed using the spectrum analyzer’s band power measurement function with band limits set equal to the EBW band edges or by summing power

levels in each 1 MHz band in linear power terms. The 1 MHz band power levels to be summed can be obtained by averaging, in linear power terms, power levels in each frequency bin across the 1 MHz.

6.3. Test Setup Layout



6.4. Measurement Equipment

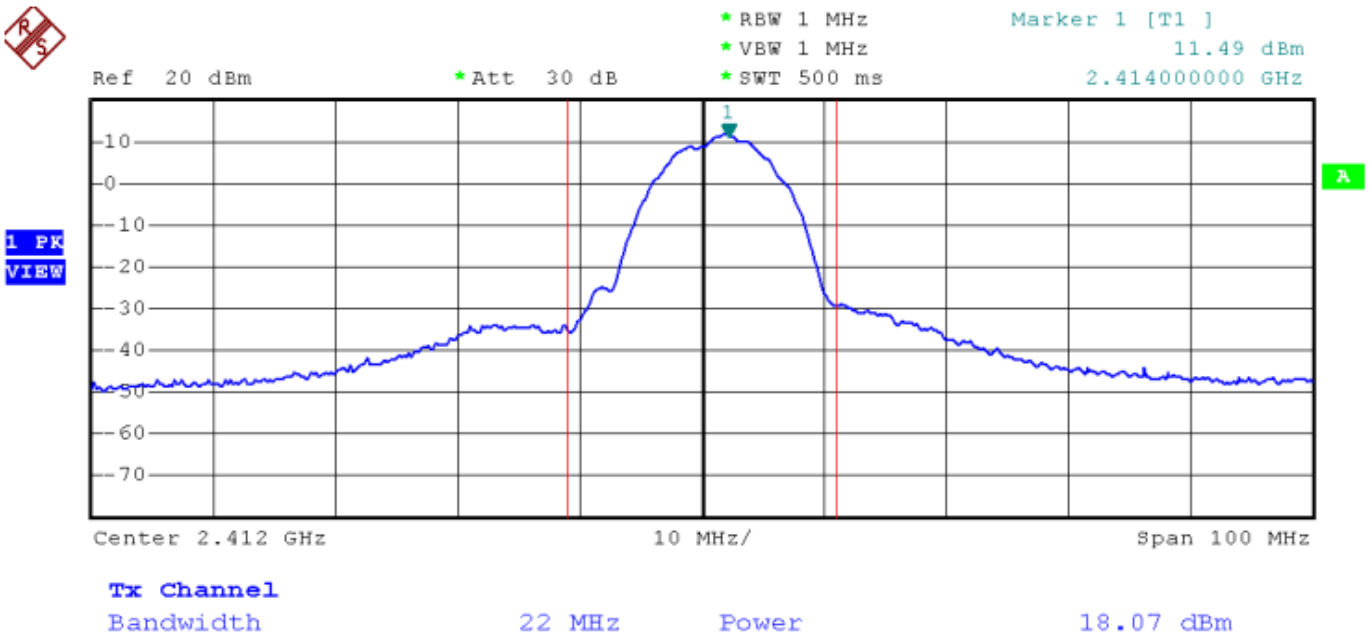
Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date
Spectrum Analyzer	R&S	FSP40	100324	2009.11.02
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2009.10.19

6.5. Test Result and Data

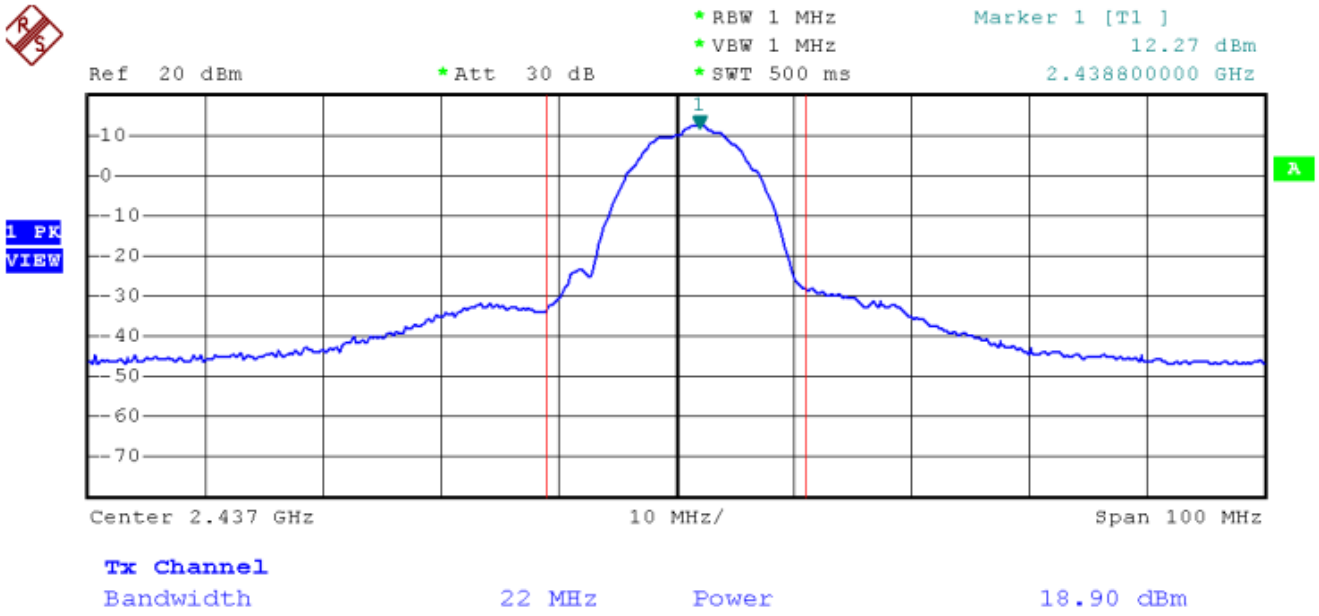
Test Item	Maximum Peak Output Power
Test Mode	Mode 1: Transmit by 802.11b
Test Date	2010-11-09

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit (dBm)	Result
01	2412	18.07	30 dBm	Pass
06	2437	18.90	30 dBm	Pass
11	2462	19.47	30 dBm	Pass

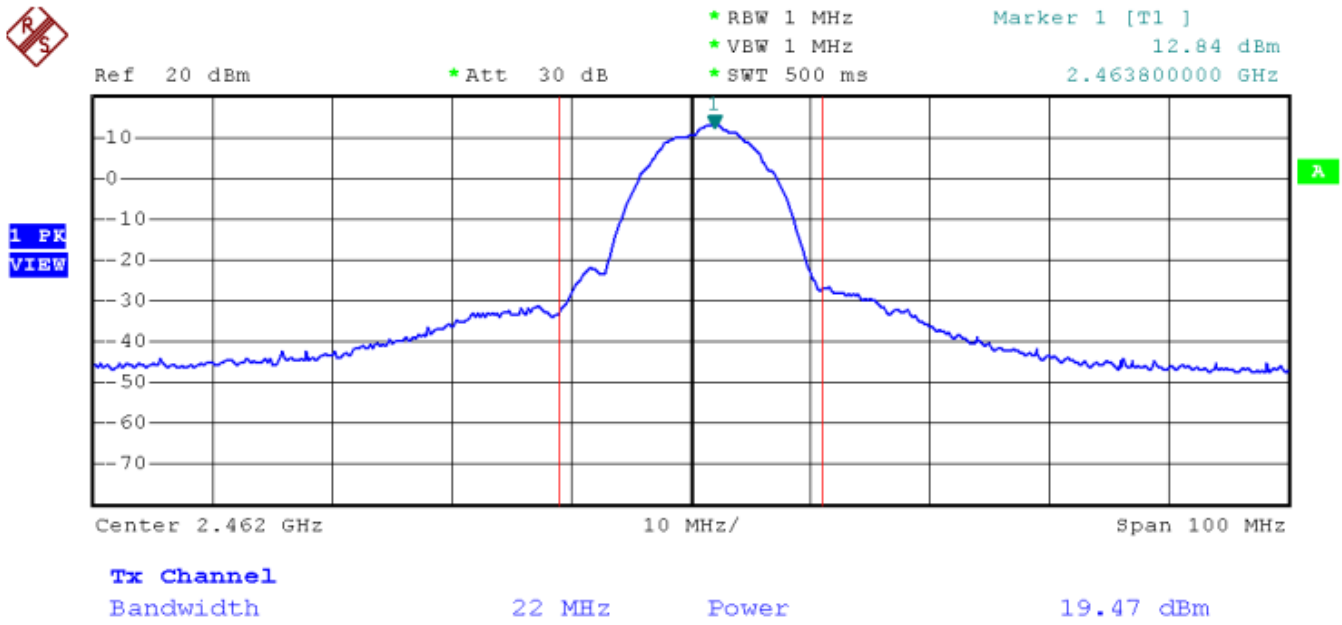
Channel 01 (2412MHz)



Channel 06 (2437MHz)



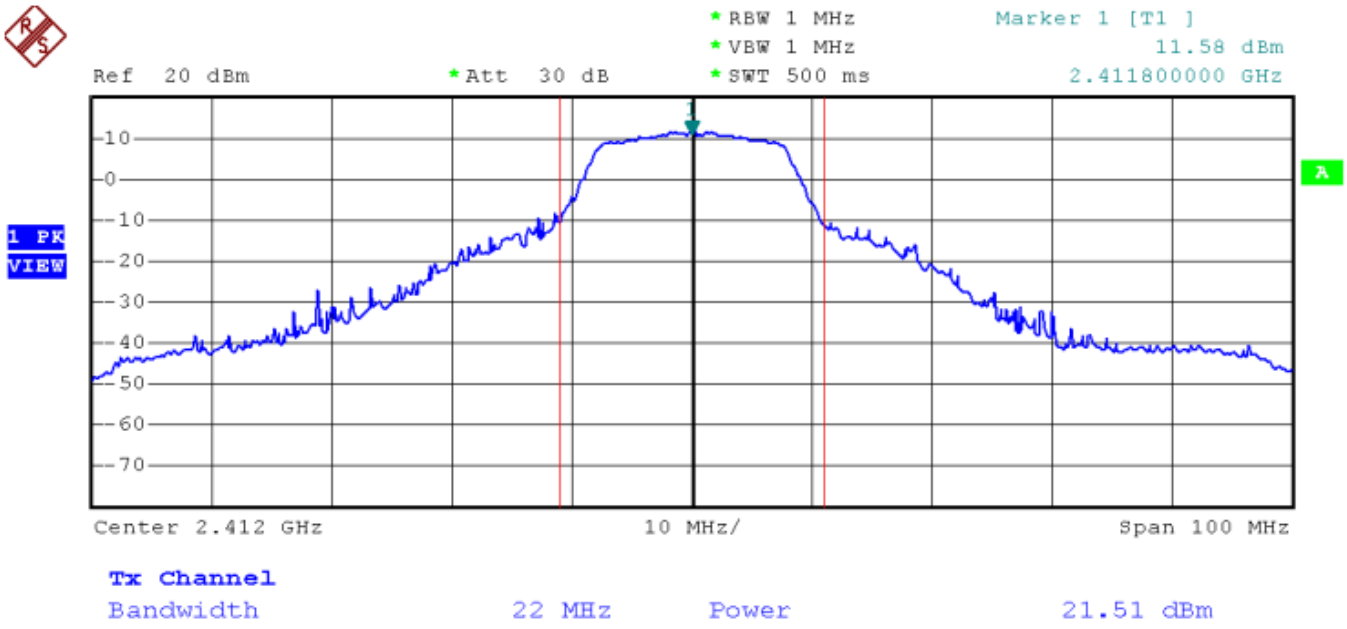
Channel 11 (2462MHz)



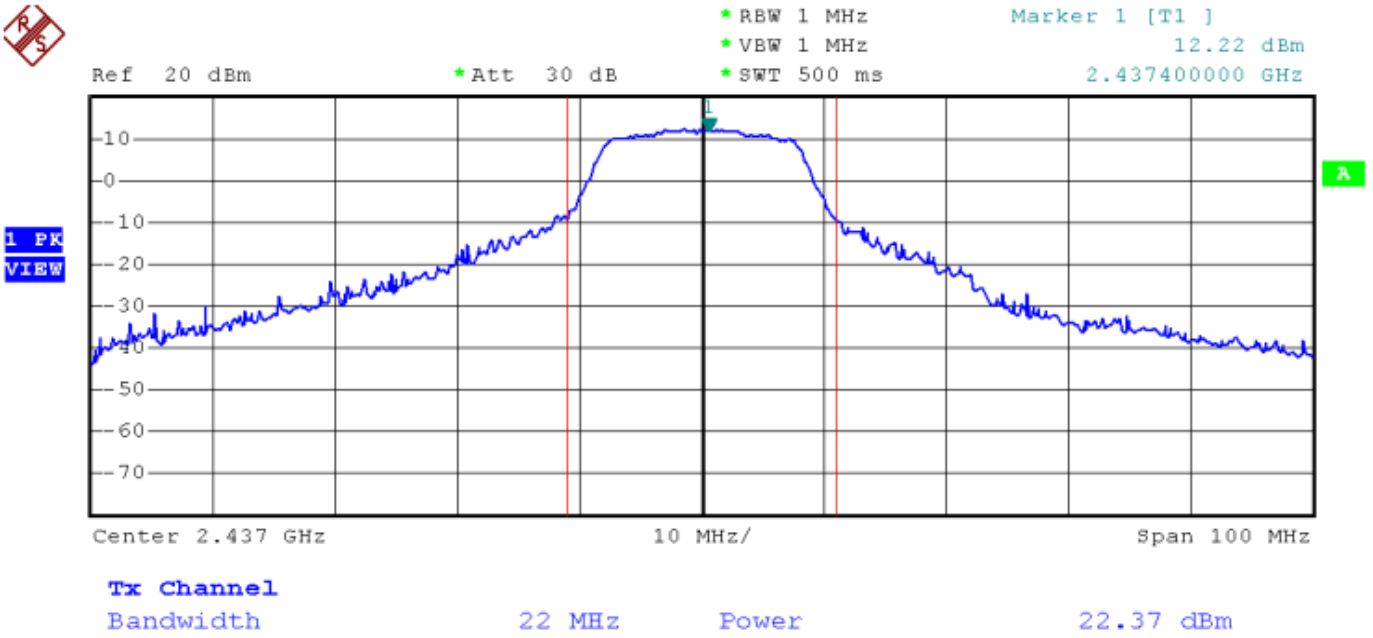
Test Item	Maximum Peak Output Power
Test Mode	Mode 2: Transmit by 802.11g
Test Date	2010-11-09

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit (dBm)	Result
01	2412	21.51	30 dBm	Pass
06	2437	22.37	30 dBm	Pass
11	2462	22.98	30 dBm	Pass

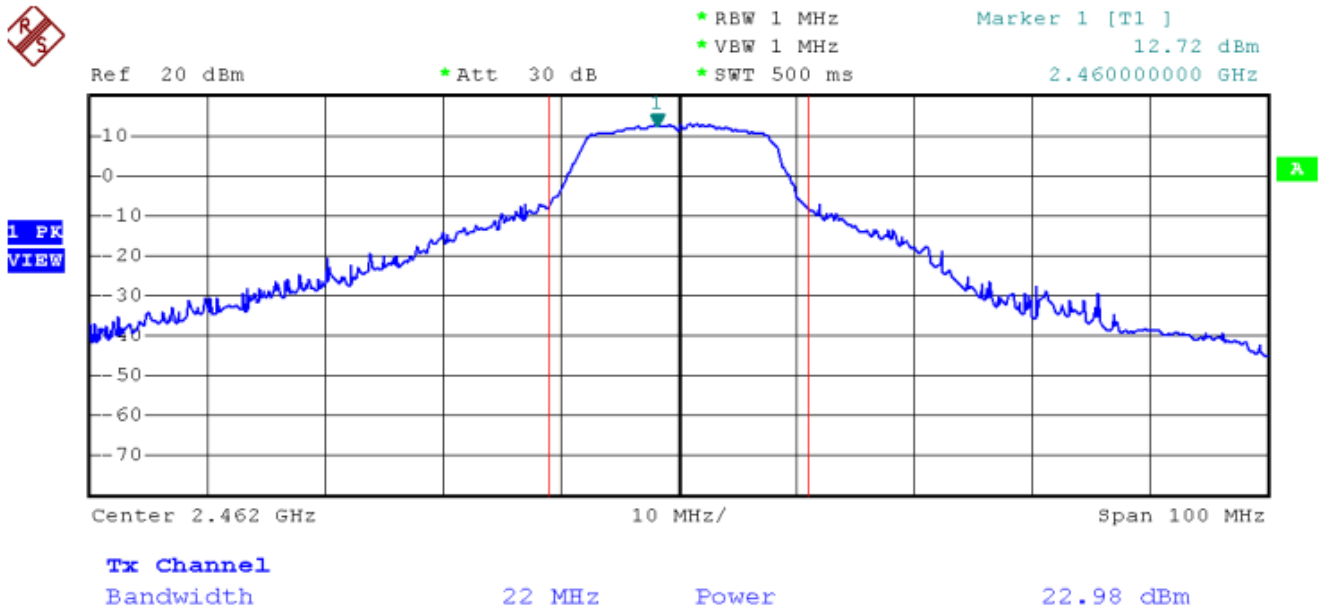
Channel 01 (2412MHz)



Channel 06 (2437MHz)



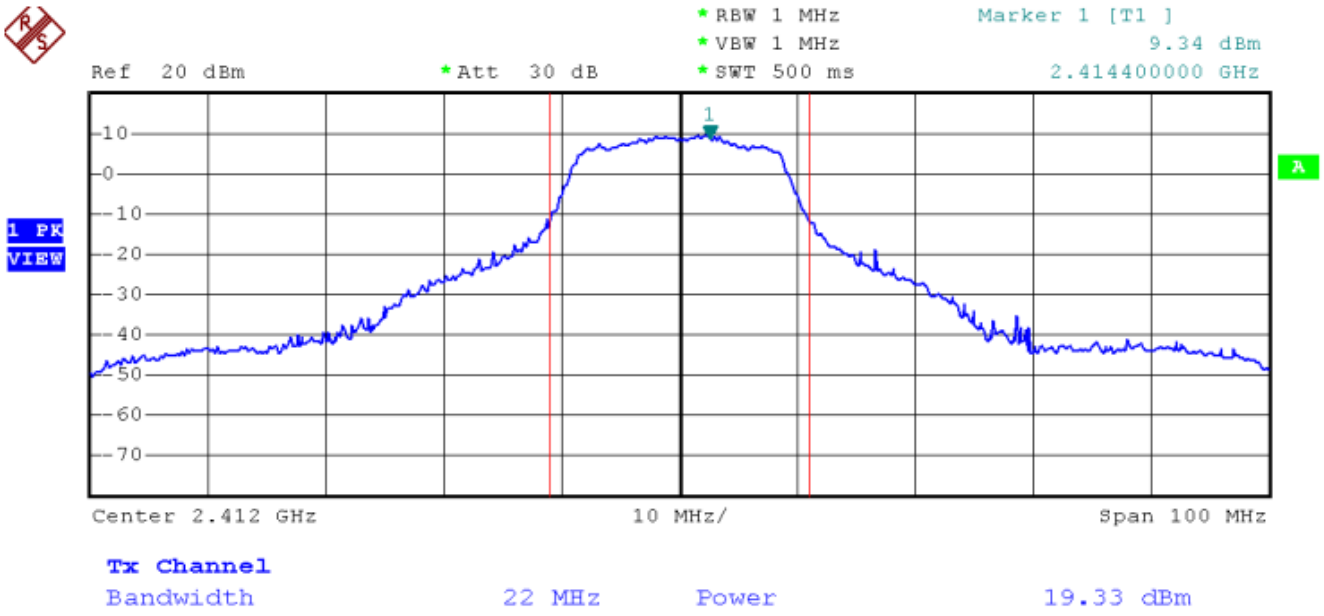
Channel 11 (2462MHz)



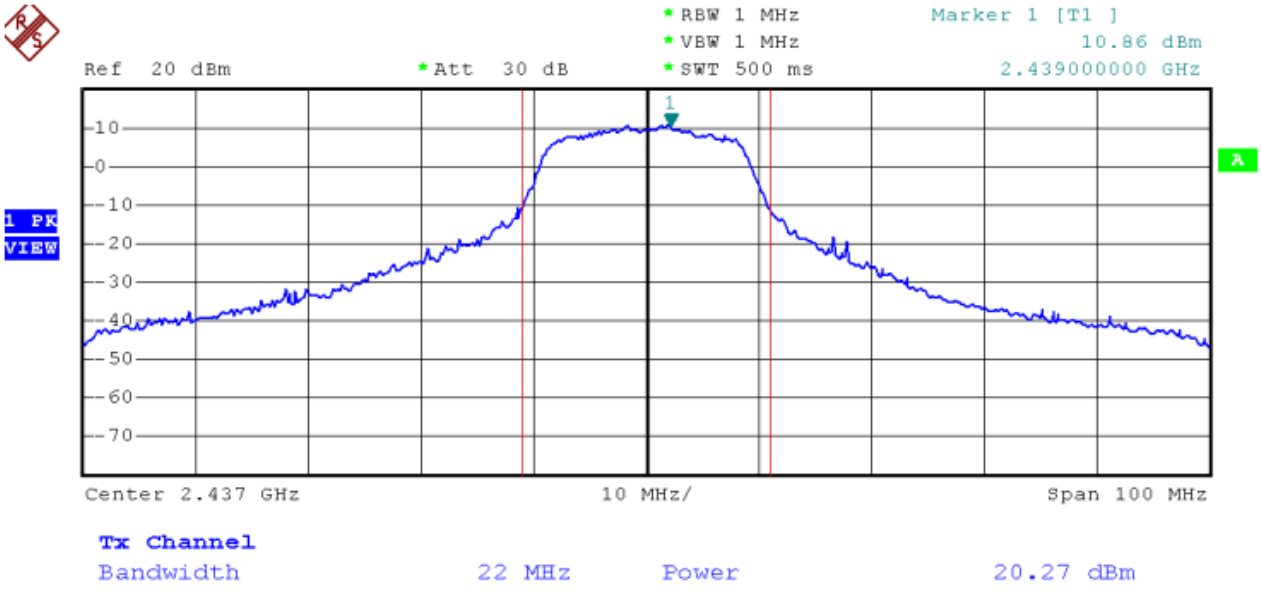
Test Item	Maximum Peak Output Power
Test Mode	Mode 3: Transmit by 802.11n
Test Date	2010-11-09

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit (dBm)	Result
01	2412	19.33	30 dBm	Pass
06	2437	20.27	30 dBm	Pass
11	2462	20.79	30 dBm	Pass

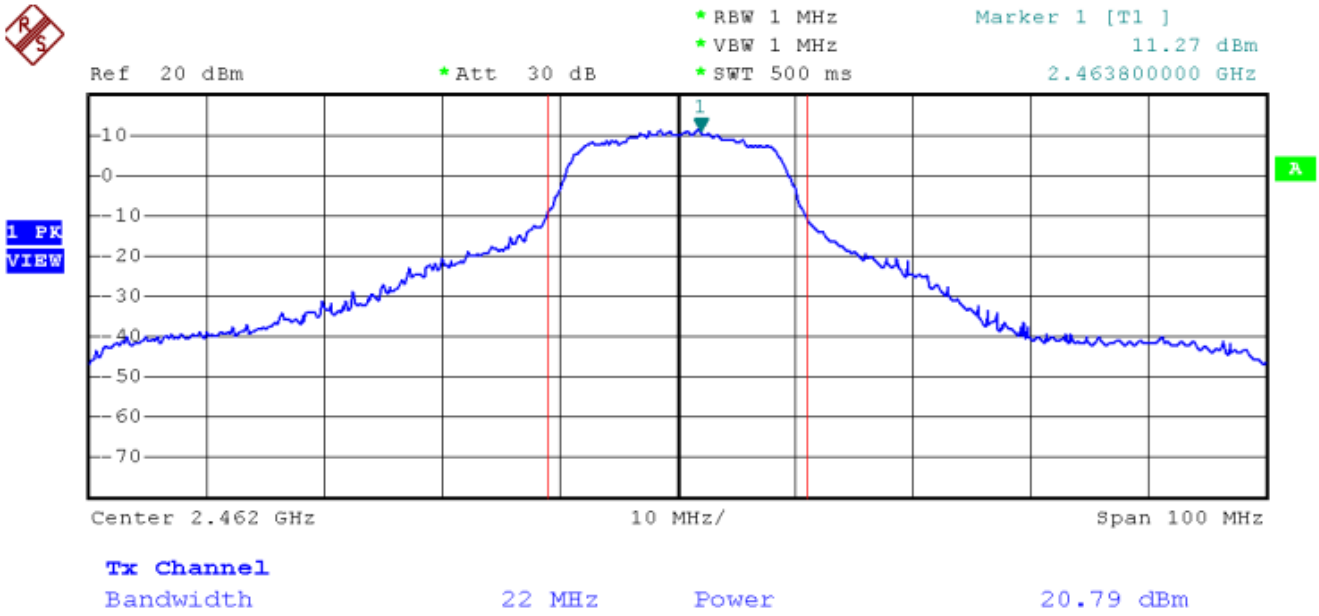
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



7. Band Edges

7.1. T est Limit

For RF Conducted requirement:

20 dB bandwidth of the emission is contained within the operation frequency band.

For RF Radiated requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

7.2. T est Procedure

For RF Conducted Measurement:

The EUT was tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 100 kHz, Span greater than RBW.

For RF Radiated Measurement:

The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test

procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

The EUT is placed on a turn table which is 0.8 meter above ground plane. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.4. The EUT is set

to transmit in a continuous mode.

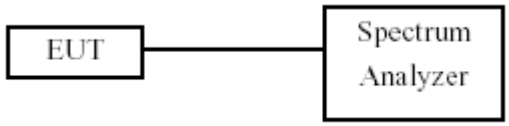
For measurements below 1GHz the resolution bandwidth is set to 100kHz for peak detection measurements or 120kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

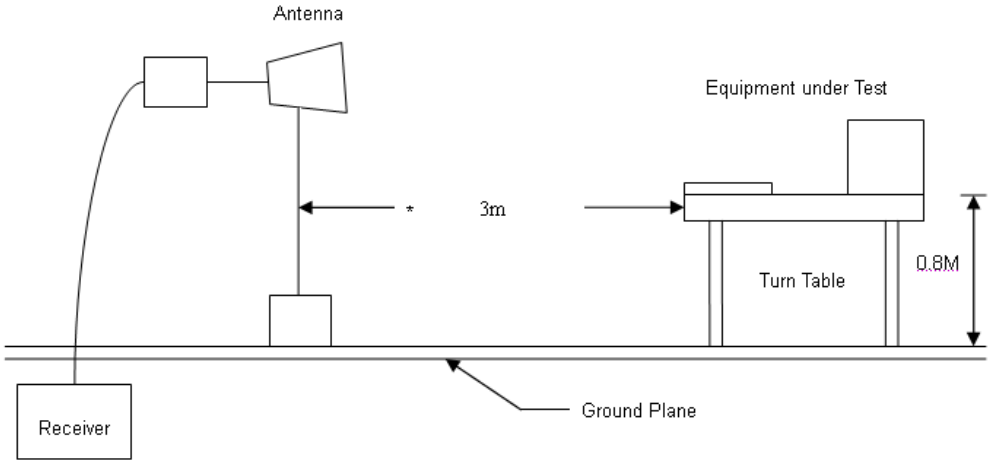
For measurements above 1GHz the resolution bandwidth is set to 1MHz, then the video bandwidth is set to 1MHz for peak measurements and 10Hz for average measurements.

The spectrum from 30MHz to 26GHz is investigated with the transmitter set to the lowest, middle and highest channels in the 2.4GHz band.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are Made with the antenna polarized in both the vertical and the horizontal positions.

7.3. Test Setup Layout



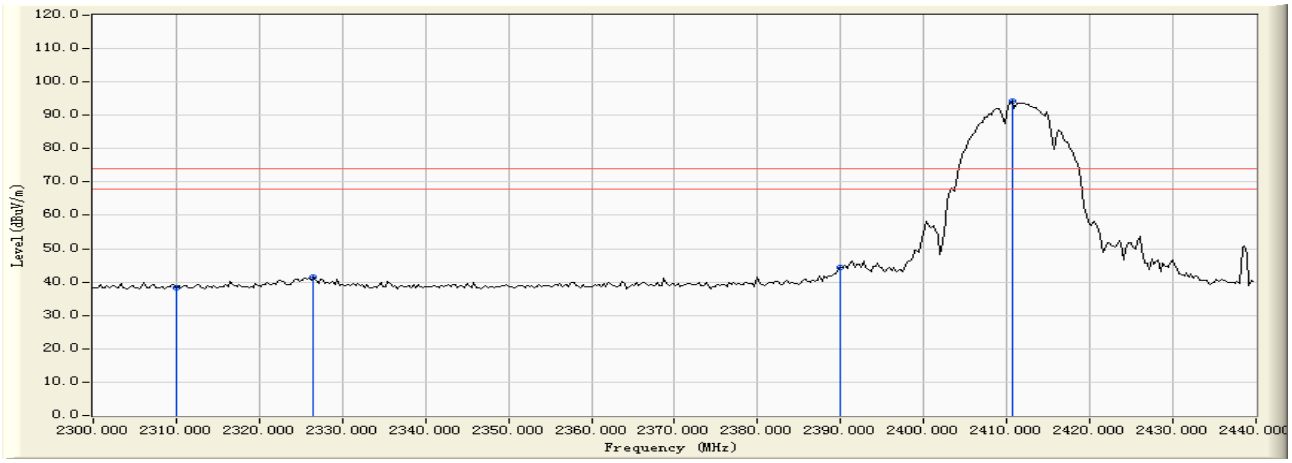


7.4. Measurement Equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date
Spectrum Analyzer	R&S	FSP40	100324	2010.08.14
EMI Test Receiver	R&S	ESCI	100563	2010.06.23
Preamplifier	Agilent	8449B	3008A02342	2010.02.10
Preamplifier	HP	8447F	3113A05582	2010.08.14
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	9120D-618	2010.08.14
Ultra Broadband Antenna	R&S	HL562	100363	2010.08.14
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2010.08.17

7.5. Test Result and Data

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 19:56**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 1: Tansmit by 802.11b 2412MHz**

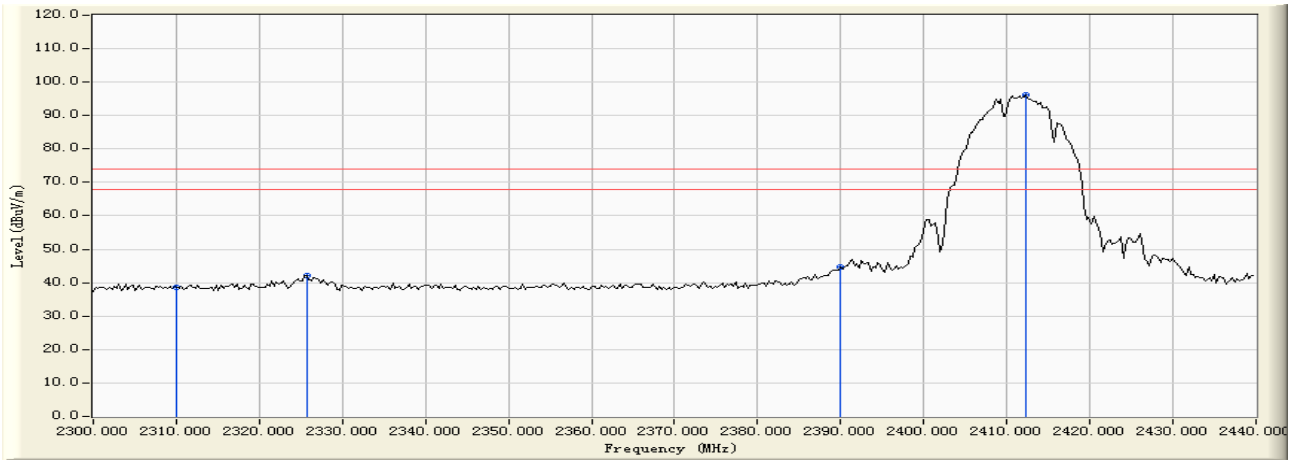


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	38.250	38.439	-35.561	74.000	PEAK
2		2326.547	0.226	41.172	41.398	-32.602	74.000	PEAK
3		2390.000	0.358	43.971	44.329	-29.671	74.000	PEAK
4	*	2410.659	0.424	93.847	94.271	N/A	N/A	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 19:58**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 1: Tansmit by 802.11b 2412MHz**

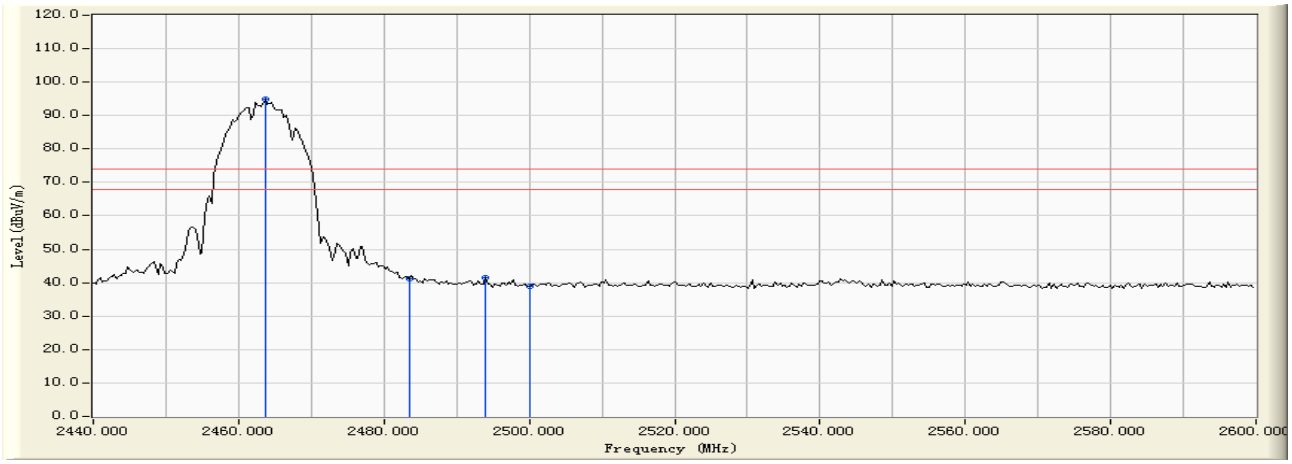


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	38.445	38.634	-35.366	74.000	PEAK
2		2325.708	0.224	41.828	42.052	-31.948	74.000	PEAK
3		2390.000	0.358	44.413	44.771	-29.229	74.000	PEAK
4	*	2412.335	0.429	95.754	96.184	N/A	N/A	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:00**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 1: Tansmit by 802.11b 2462MHz**

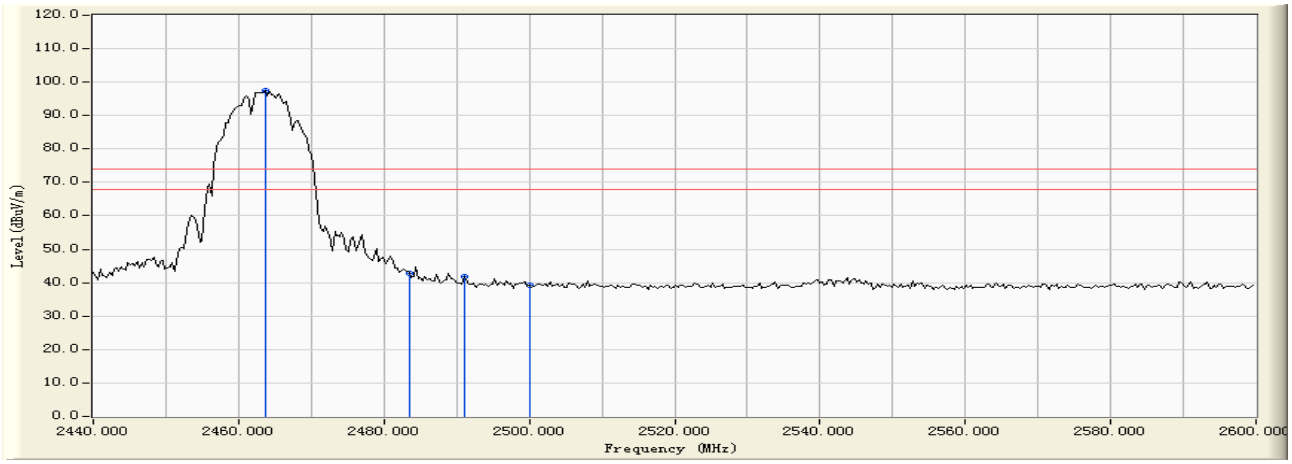


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2463.633	0.605	94.449	95.054	N/A	N/A	PEAK
2		2483.500	0.672	40.496	41.169	-32.831	74.000	PEAK
3		2493.972	0.708	40.842	41.551	-32.449	74.000	PEAK
4		2500.000	0.737	38.308	39.044	-34.956	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:01**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 1: Tansmit by 802.11b 2462MHz**



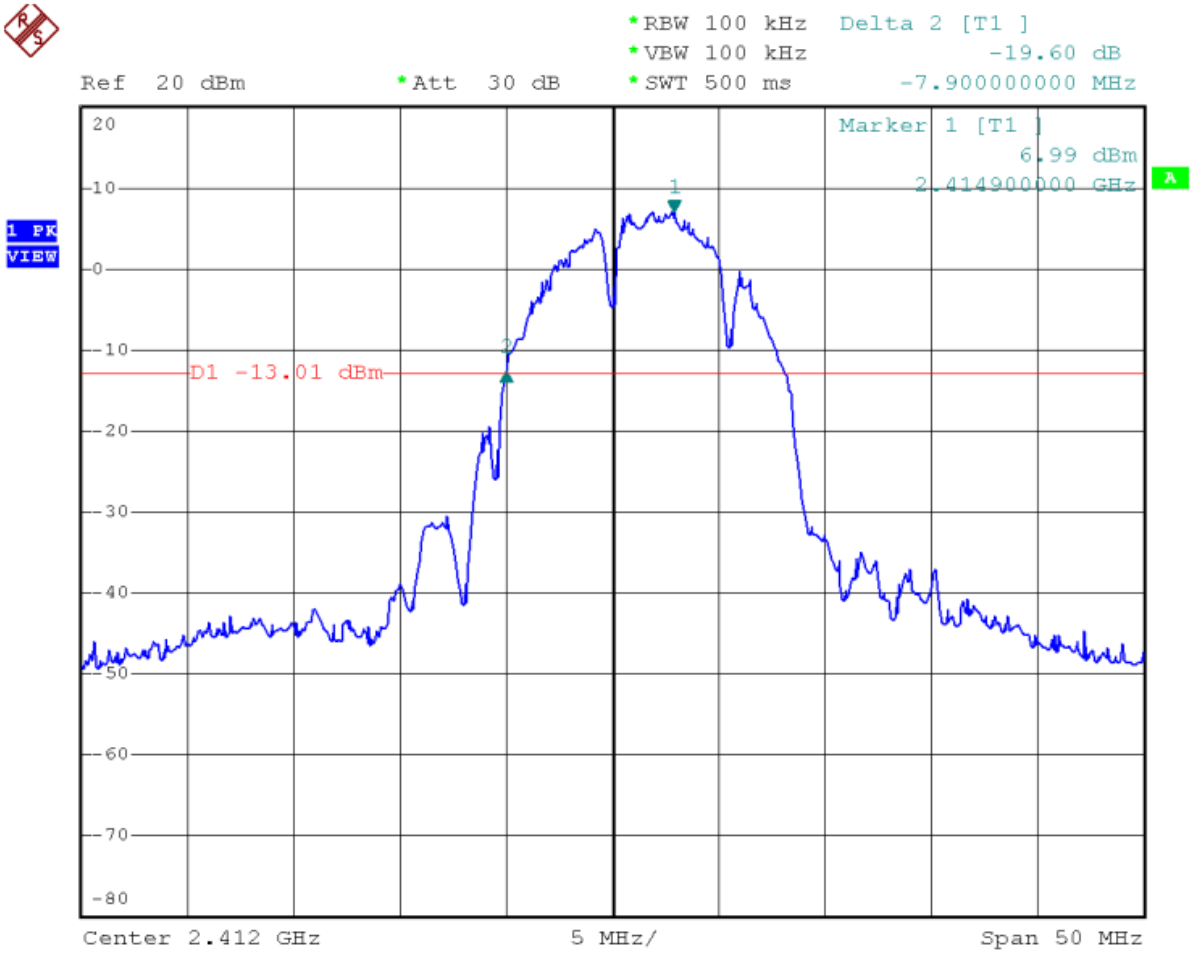
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2463.633	0.605	96.915	97.520	N/A	N/A	PEAK
2		2483.500	0.672	41.986	42.659	-31.341	74.000	PEAK
3		2491.098	0.699	41.201	41.900	-32.100	74.000	PEAK
4		2500.000	0.737	38.510	39.246	-34.754	74.000	PEAK

Note:

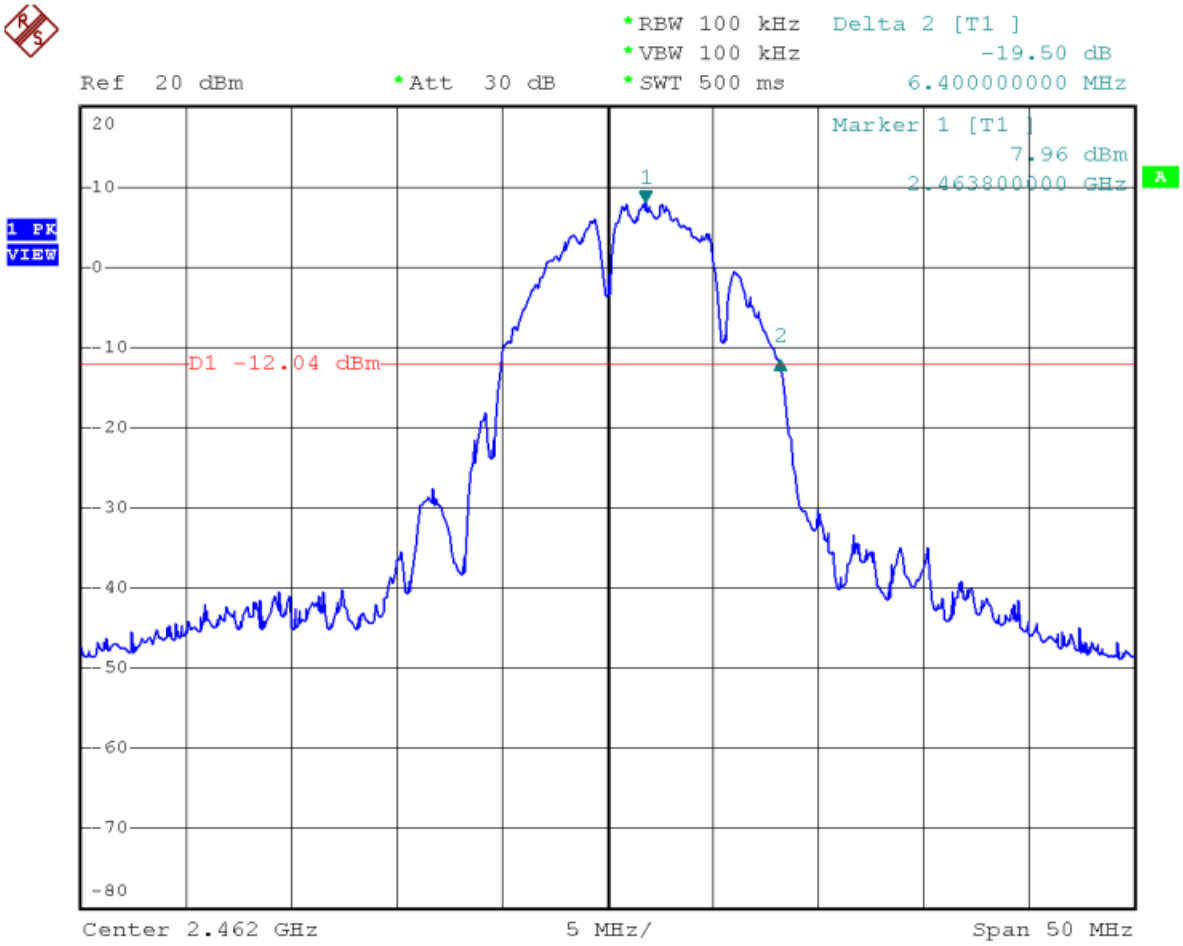
1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

Band Edge (20dBc RF Conducted Measurement)

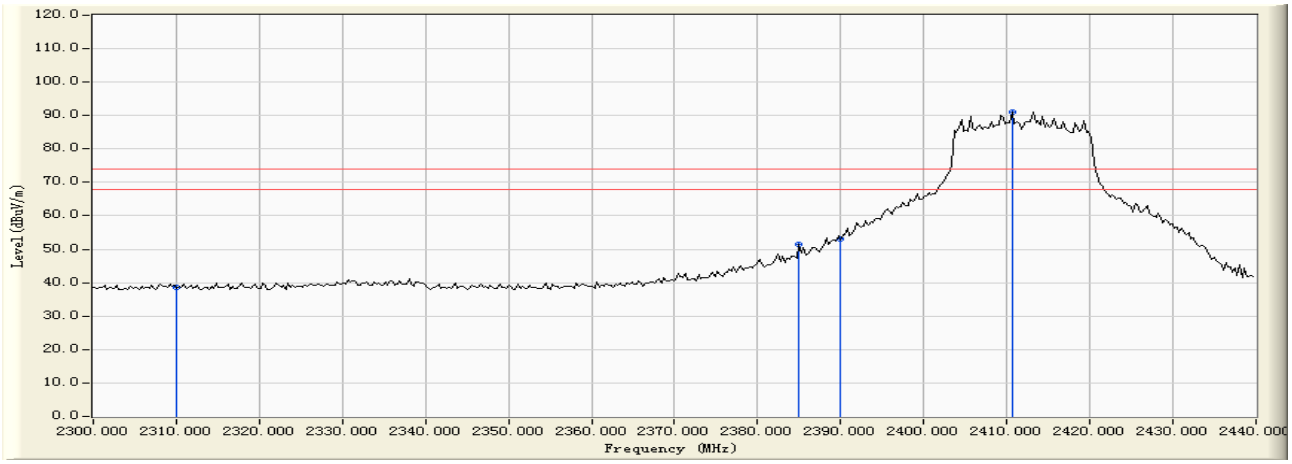
Mode 1: Transmit by 802.11b (2412MHz)



Band Edge (20dBc RF Conducted Measurement)
Mode 1: Transmit by 802.11b (2462MHz)



Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:04**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 2: Tansmit by 802.11g 2412MHz**

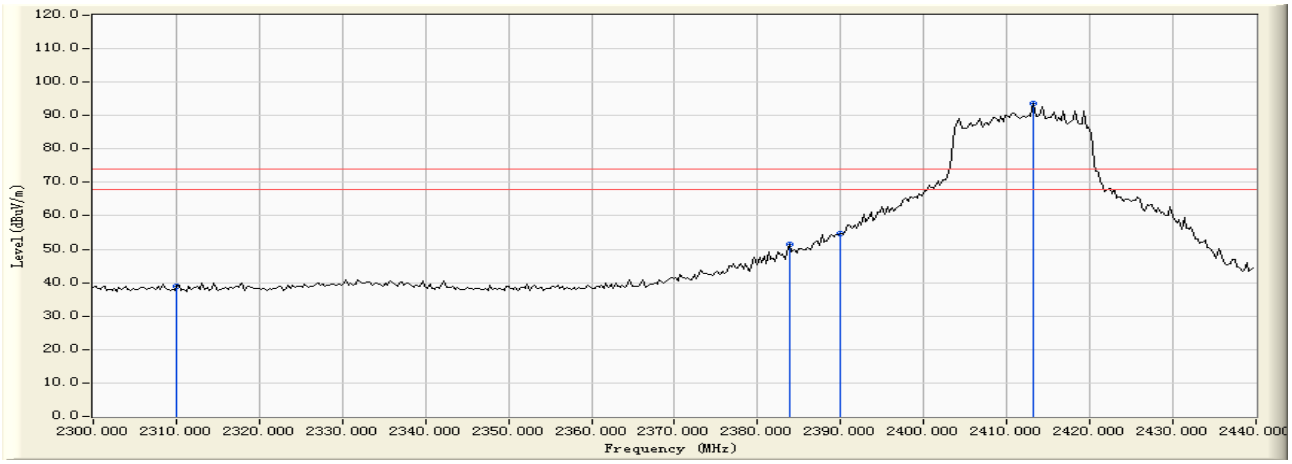


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	38.351	38.540	-35.460	74.000	PEAK
2		2384.950	0.347	51.224	51.571	-22.429	74.000	PEAK
3		2390.000	0.358	52.565	52.923	-21.077	74.000	PEAK
4	*	2410.659	0.424	90.746	91.170	N/A	N/A	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:05**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 2: Tansmit by 802.11g 2412MHz**

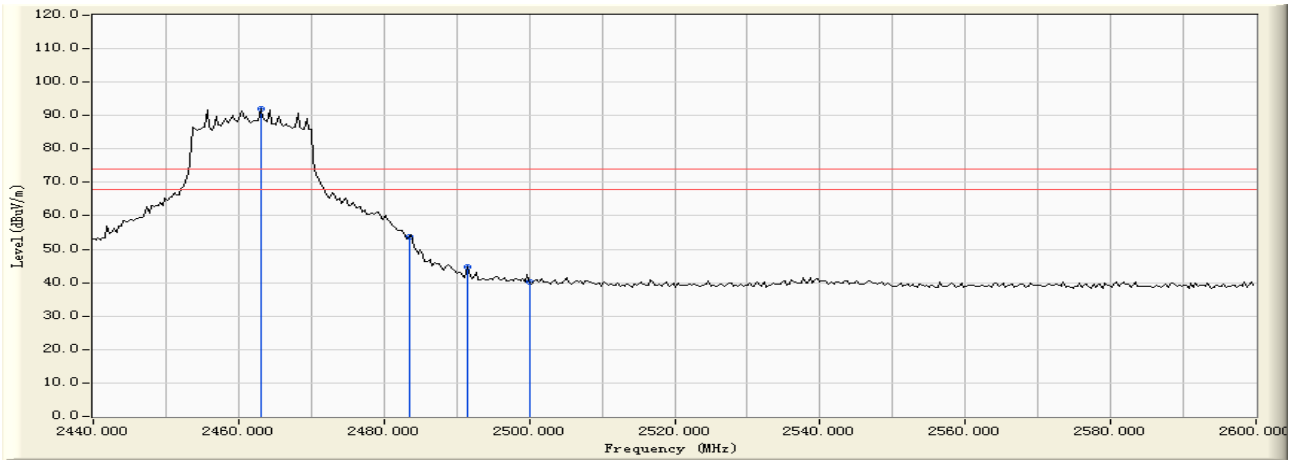


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	38.621	38.810	-35.190	74.000	PEAK
2		2383.832	0.344	51.227	51.571	-22.429	74.000	PEAK
3		2390.000	0.358	54.260	54.618	-19.382	74.000	PEAK
4	*	2413.174	0.433	93.338	93.771	N/A	N/A	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:08**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 2: Tansmit by 802.11g 2462MHz**

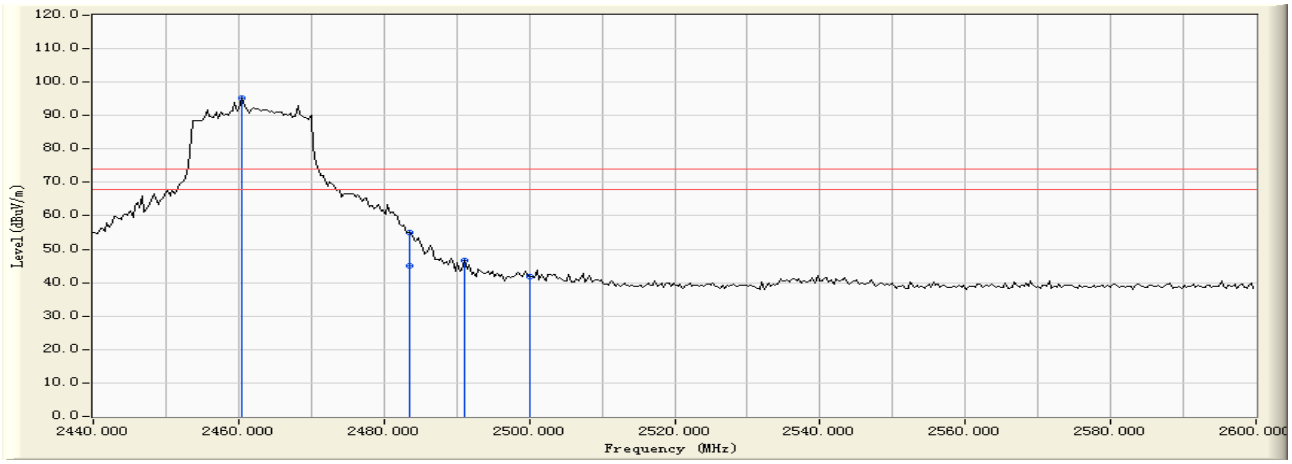


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2462.994	0.602	91.485	92.088	N/A	N/A	PEAK
2		2483.500	0.672	53.049	53.722	-20.278	74.000	PEAK
3		2491.417	0.700	43.920	44.620	-29.380	74.000	PEAK
4		2500.000	0.737	39.545	40.281	-33.719	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:09**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 2: Tansmit by 802.11g 2462MHz**



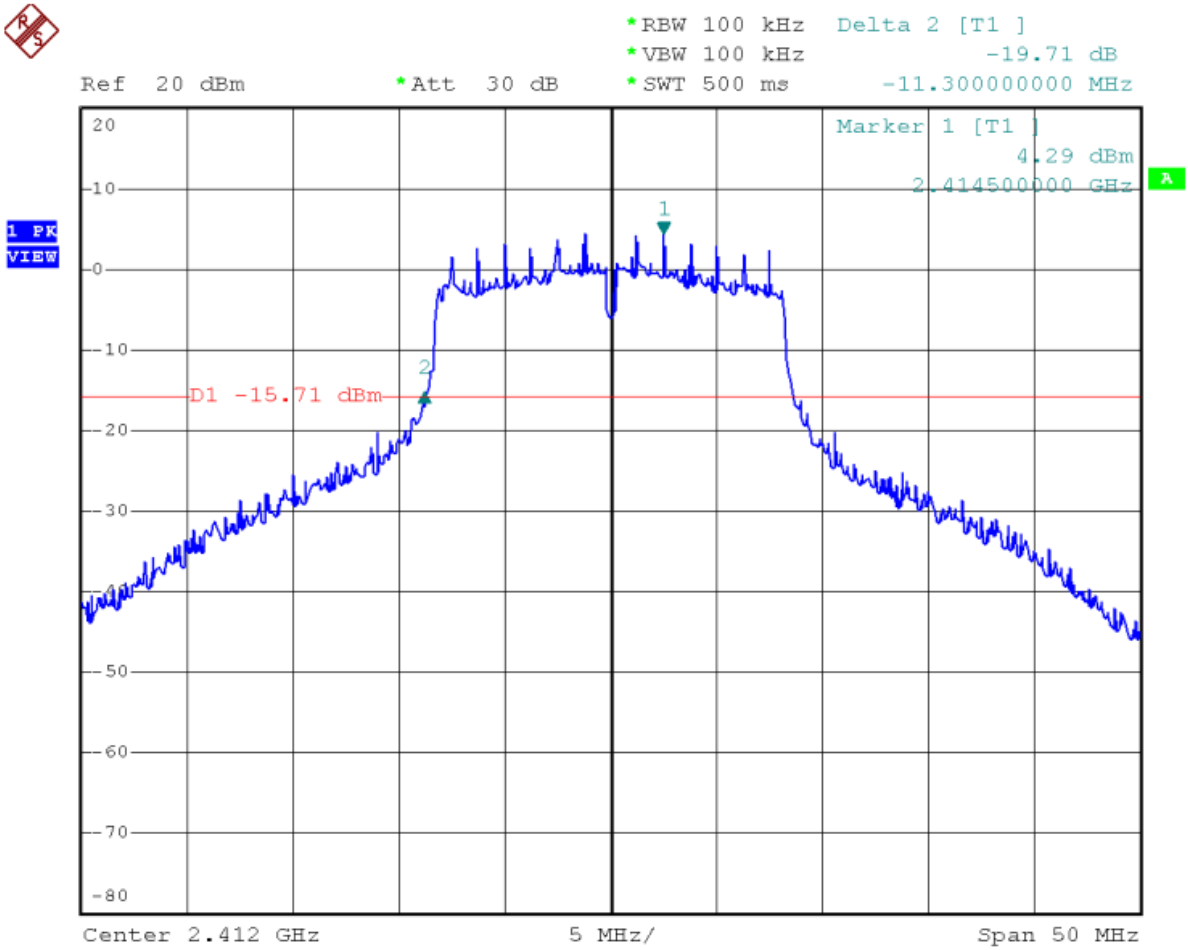
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.439	0.593	94.701	95.294	N/A	N/A	PEAK
2		2483.500	0.672	54.226	54.899	-19.101	74.000	PEAK
3		2483.500	0.672	44.350	45.023	-8.977	54.000	AVERAGE
4		2491.098	0.699	45.941	46.640	-27.360	74.000	PEAK
5		2500.000	0.737	41.073	41.809	-32.191	74.000	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

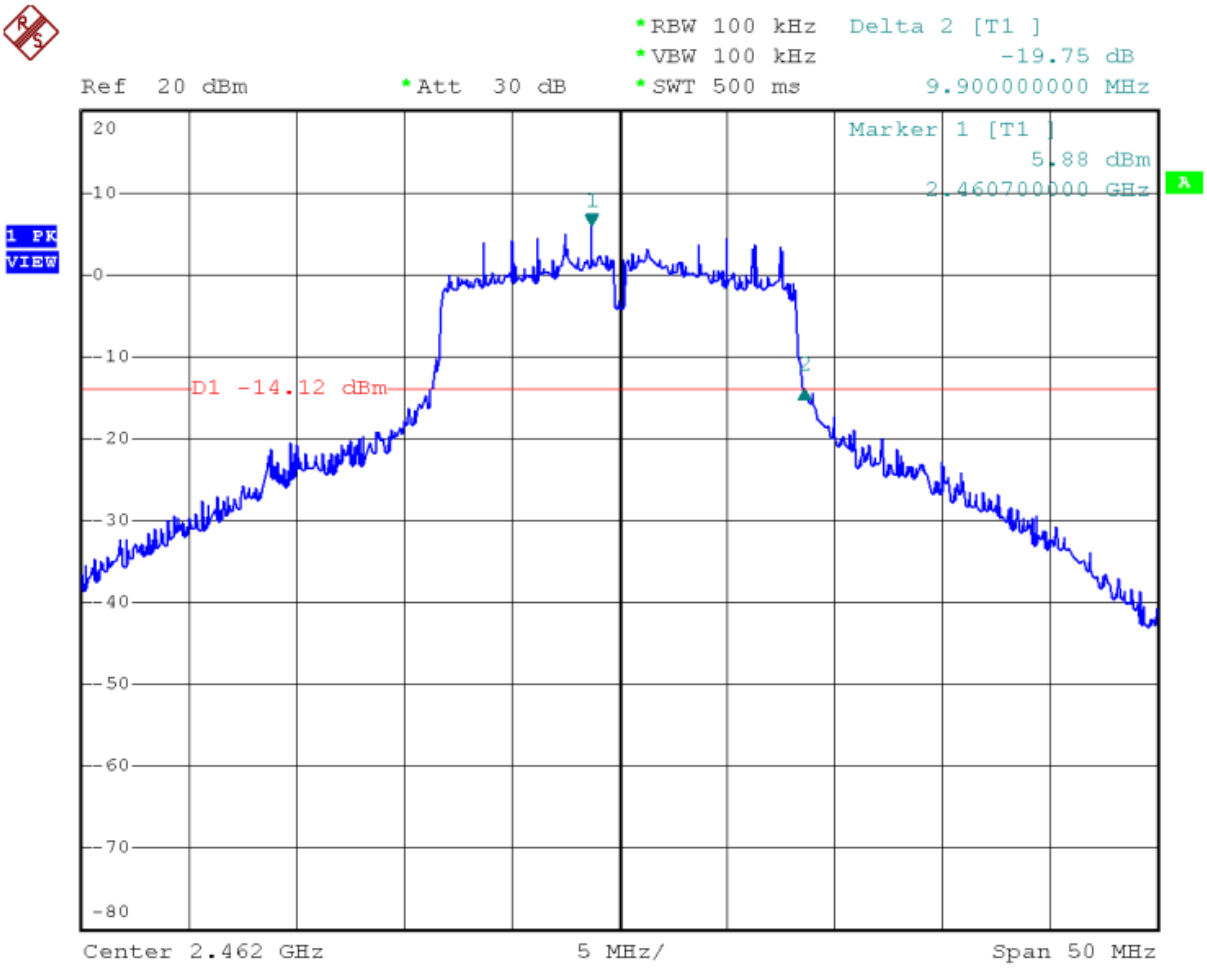
Band Edge (20dBc RF Conducted Measurement)

Mode 2: Transmit by 802.11g (2412MHz)

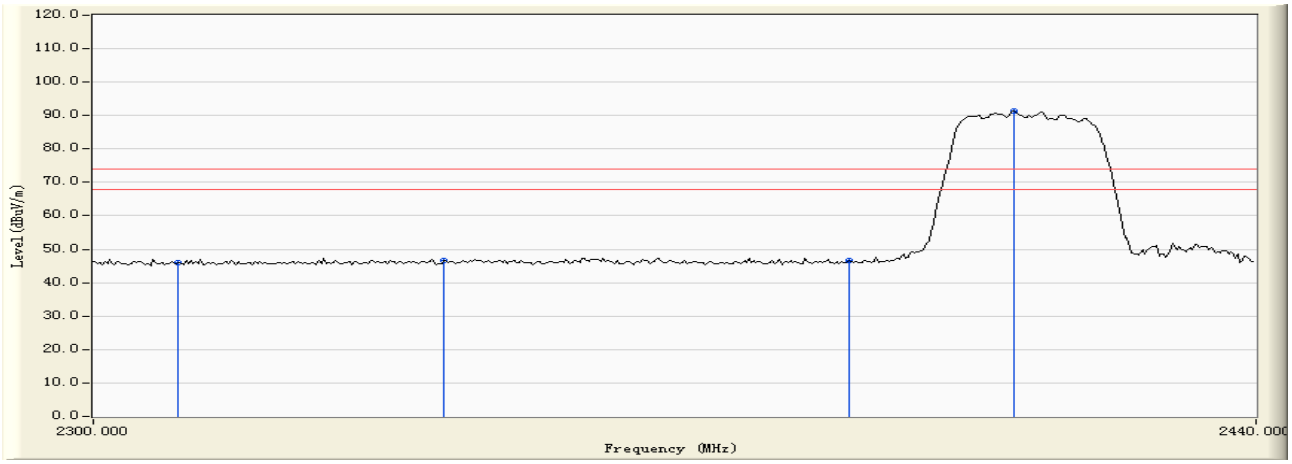


Band Edge (20dBc RF Conducted Measurement)

Mode 2: Transmit by 802.11g (2462MHz)



Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:23**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2412MHz**

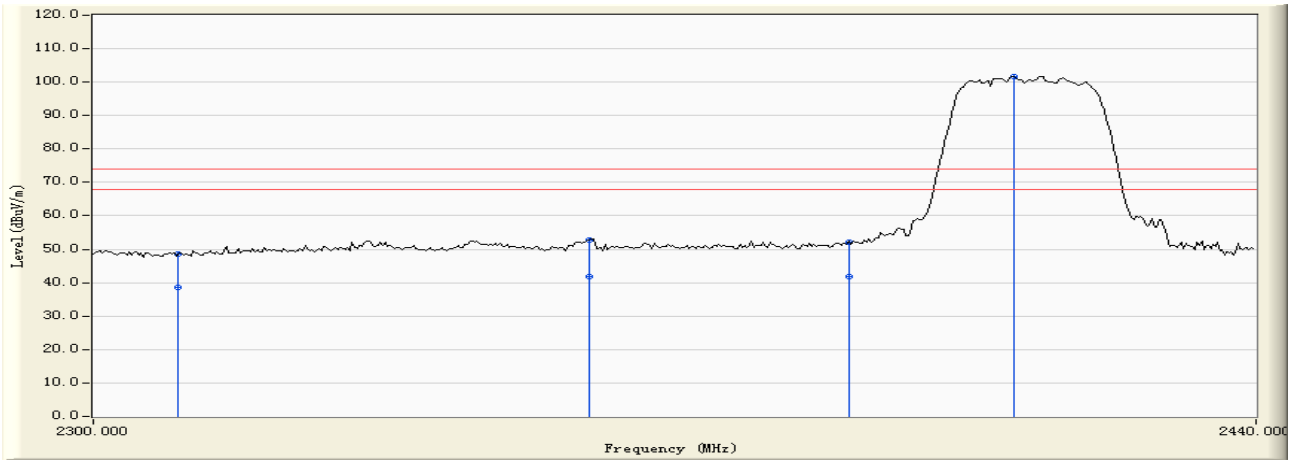


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	45.741	45.930	-28.070	74.000	PEAK
2		2341.357	0.259	46.504	46.763	-27.237	74.000	PEAK
3		2390.000	0.358	46.157	46.515	-27.485	74.000	PEAK
4	*	2410.100	0.422	90.888	91.310	N/A	N/A	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:24**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2412MHz**

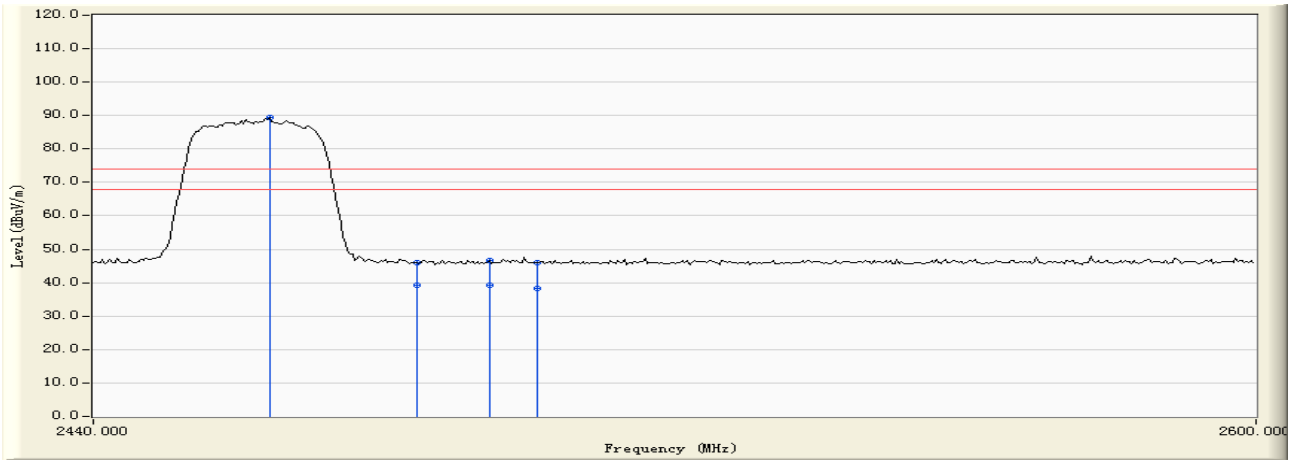


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	48.465	48.654	-25.346	74.000	PEAK
2		2310.000	0.188	38.540	38.729	-15.271	54.000	AVERAGE
3		2358.683	0.294	52.582	52.876	-21.124	74.000	PEAK
4		2358.683	0.294	41.570	41.864	-12.136	54.000	AVERAGE
5		2390.000	0.358	51.898	52.256	-21.744	74.000	PEAK
6		2390.000	0.358	41.580	41.938	-12.062	54.000	AVERAGE
7	*	2410.100	0.422	101.357	101.779	N/A	N/A	PEAK

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:25**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2462MHz**

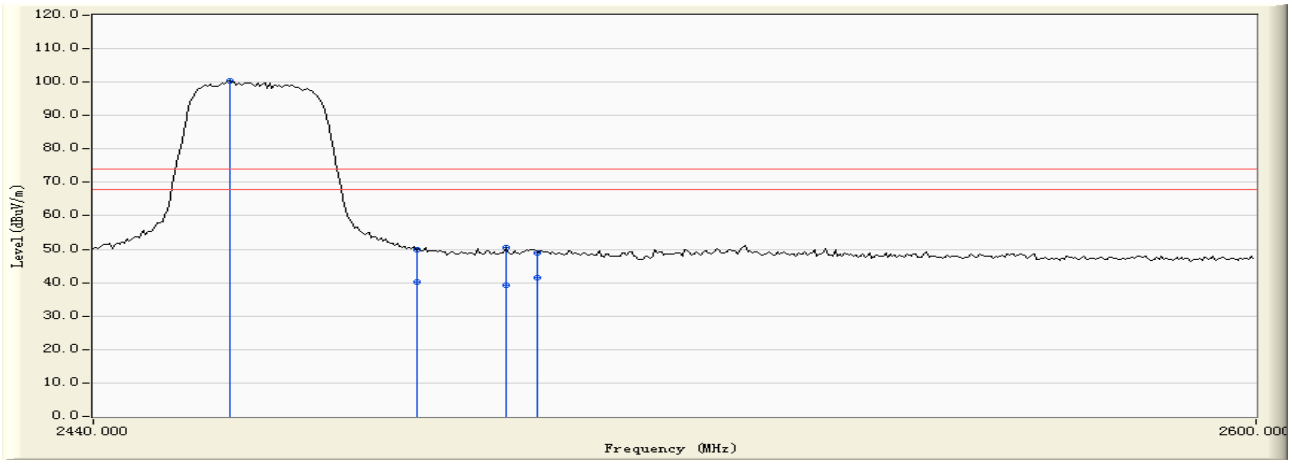


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2463.633	0.605	88.678	89.283	N/A	N/A	PEAK
2		2483.500	0.672	45.300	45.973	-28.027	74.000	PEAK
3		2483.500	0.672	38.620	39.293	-14.707	54.000	AVERAGE
4		2493.333	0.707	45.990	46.697	-27.303	74.000	PEAK
5		2493.333	0.707	38.420	39.127	-14.873	54.000	AVERAGE
6		2500.000	0.737	45.286	46.022	-27.978	74.000	PEAK
7		2500.000	0.737	37.410	38.146	-15.854	54.000	AVERAGE

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

Engineer : Alice	
Site : EMC Lab AC 102	**Time : 2010/11/06 - 20:26**
Limit : FCC_15_03M_PK	**Margin : 6**
EUT : HSG1164	**Probe : BBHA9120D(1-18GHz) - VERTICAL**
Power : AC 120V/60Hz	**Note : Mode 3: Transmit by 802.11n(20MHz) 2462MHz**

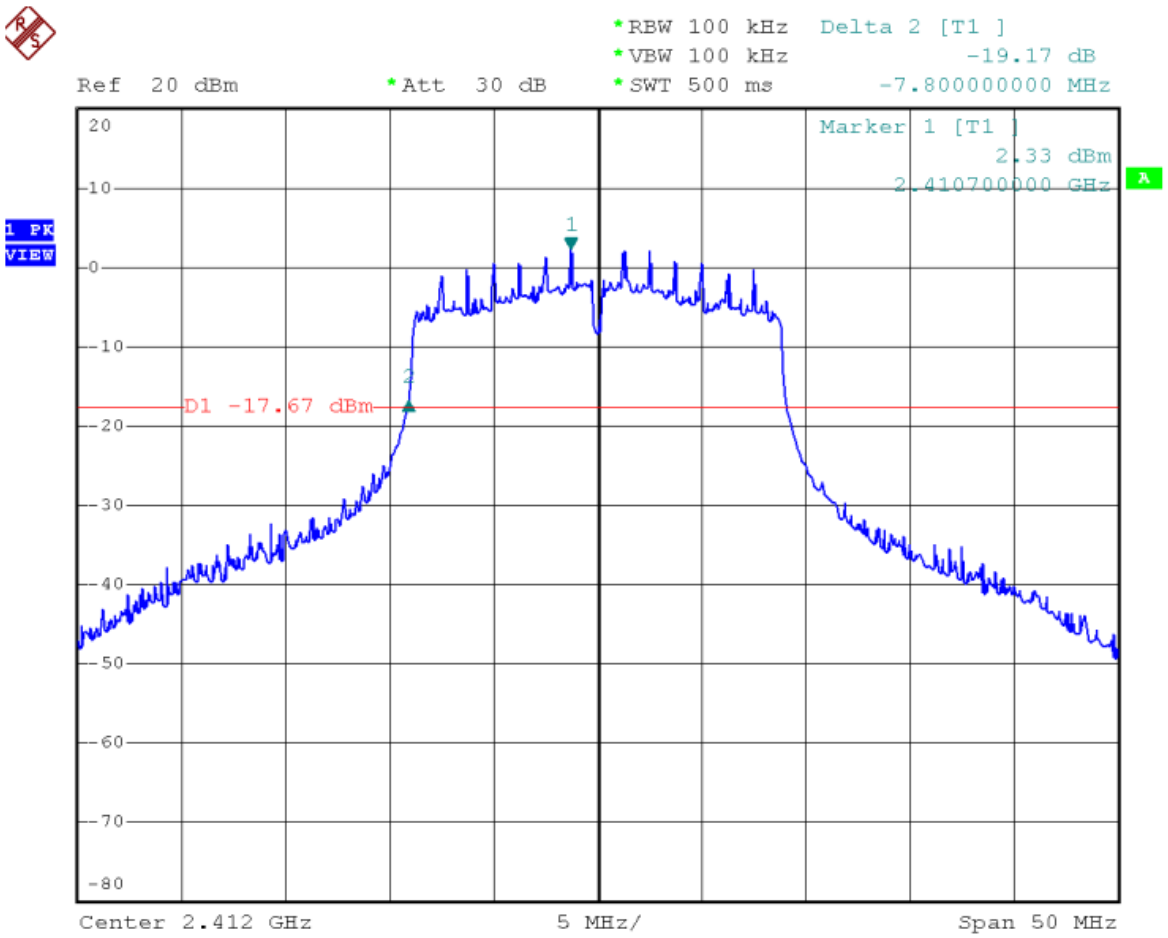


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2458.204	0.584	99.691	100.275	N/A	N/A	PEAK
2		2483.500	0.672	49.121	49.794	-24.206	74.000	PEAK
3		2483.500	0.672	39.500	40.173	-13.827	54.000	AVERAGE
4		2495.569	0.715	49.749	50.463	-23.537	74.000	PEAK
5		2495.569	0.715	38.570	39.284	-14.716	54.000	AVERAGE
6		2500.000	0.737	48.191	48.927	-25.073	74.000	PEAK
7		2500.000	0.737	40.620	41.356	-12.644	54.000	AVERAGE

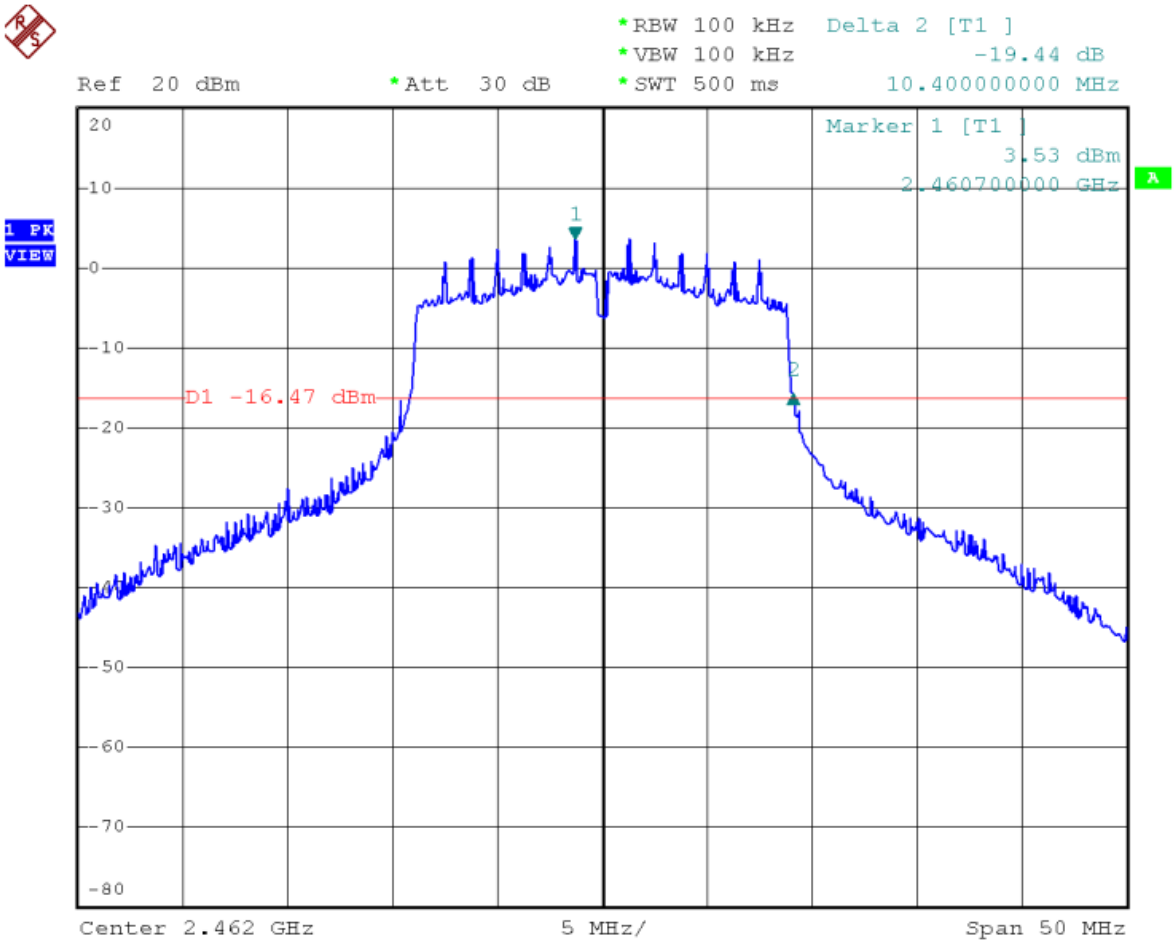
Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

Band Edge (20dBc RF Conducted Measurement)
Mode 3: Transmit by 802.11n（20MHz）(2412MHz)



Band Edge (20dBc RF Conducted Measurement)
Mode 3: Transmit by 802.11n（20MHz）(2462MHz)



8. Power Spectral Density

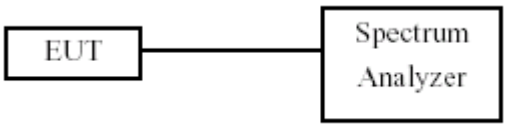
8.1. T est Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiated to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

8.2. T est Procedure

The EUT was tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW= 3 kHz, Set VBW≧ 9 kHz, Sweep time=Auto, Set detector=Peak detector.

8.3. Test Setup Layout



8.4. Measurement Equipment

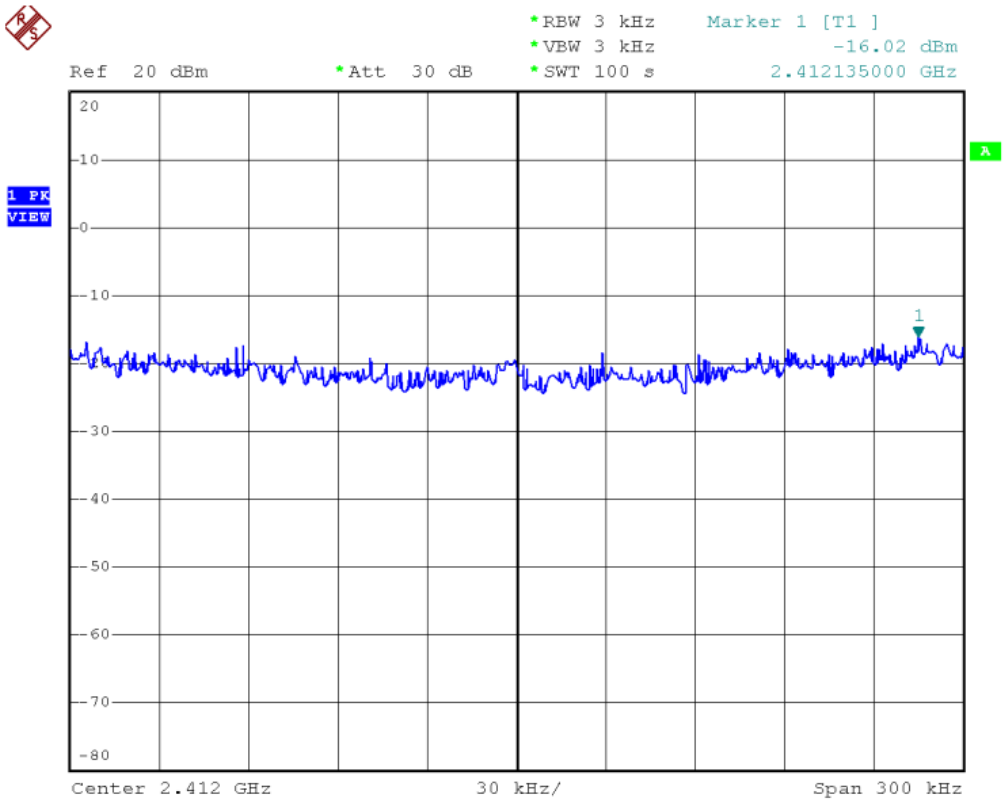
Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date
Spectrum Analyzer	R&S	FSP40	100324	2010.08.14
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2010.08.17

8.5. Test Result and Data

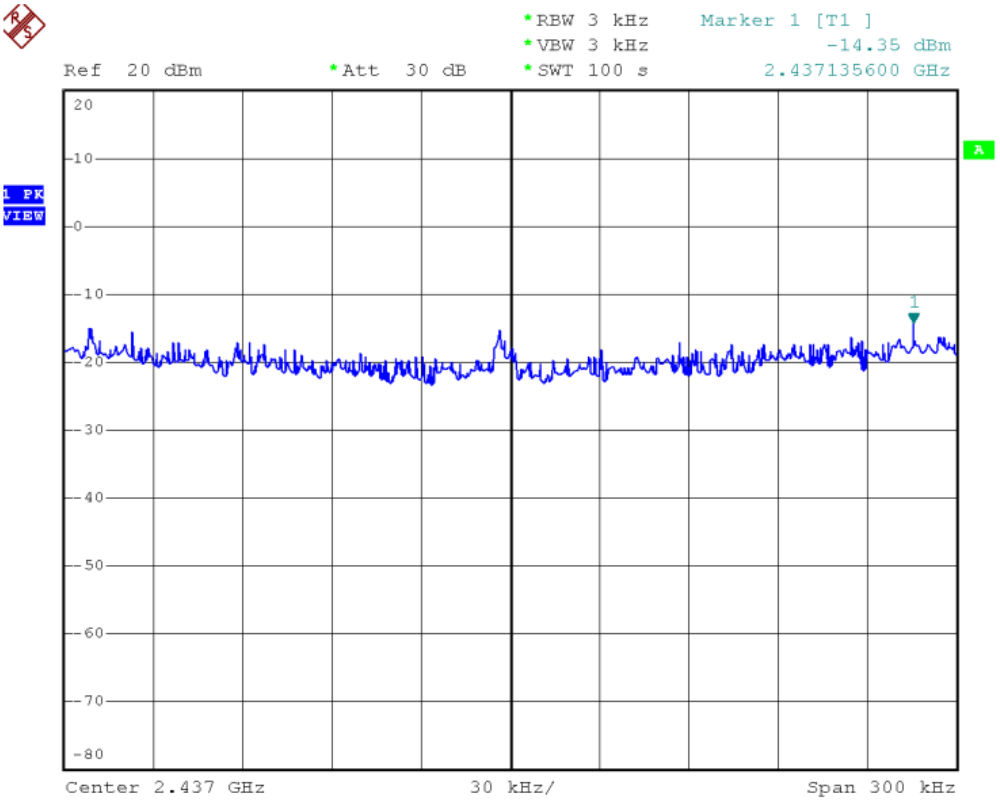
Test Item	Power Spectral Density
Test Mode	Mode 1: Transmit by 802.11b
Test Date	2010-11-09

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-16.02	8	Pass
06	2437	-14.35	8	Pass
11	2462	-14.61	8	Pass

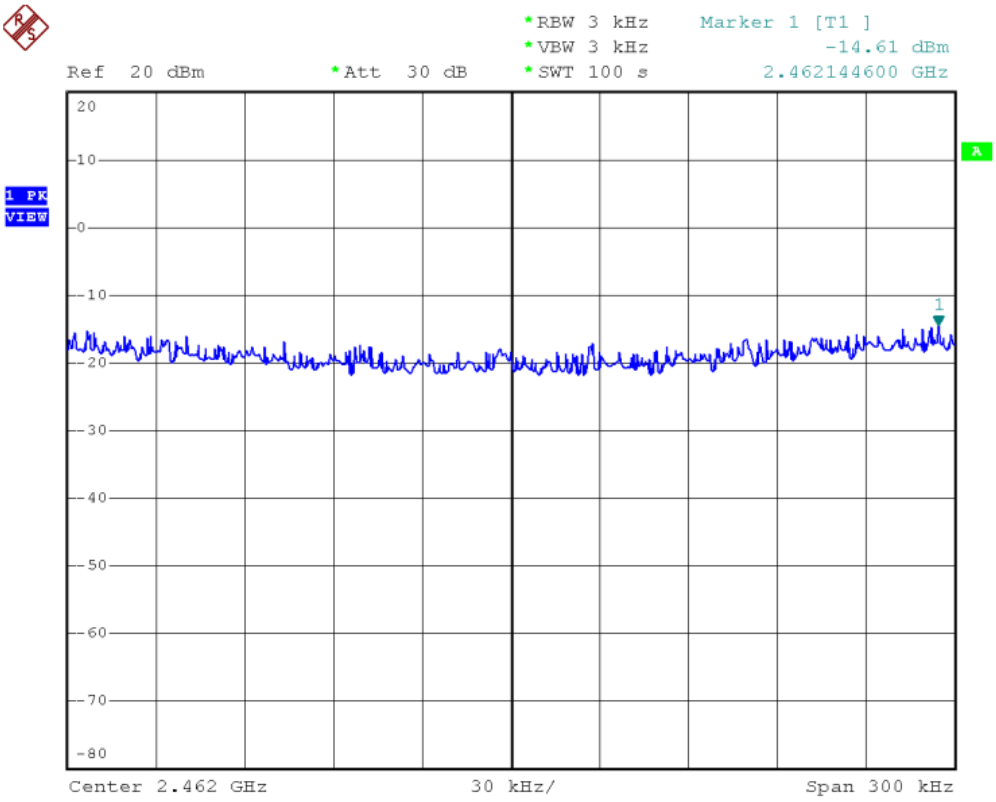
Channel 01 (2412MHz)



Channel 06 (2437MHz)



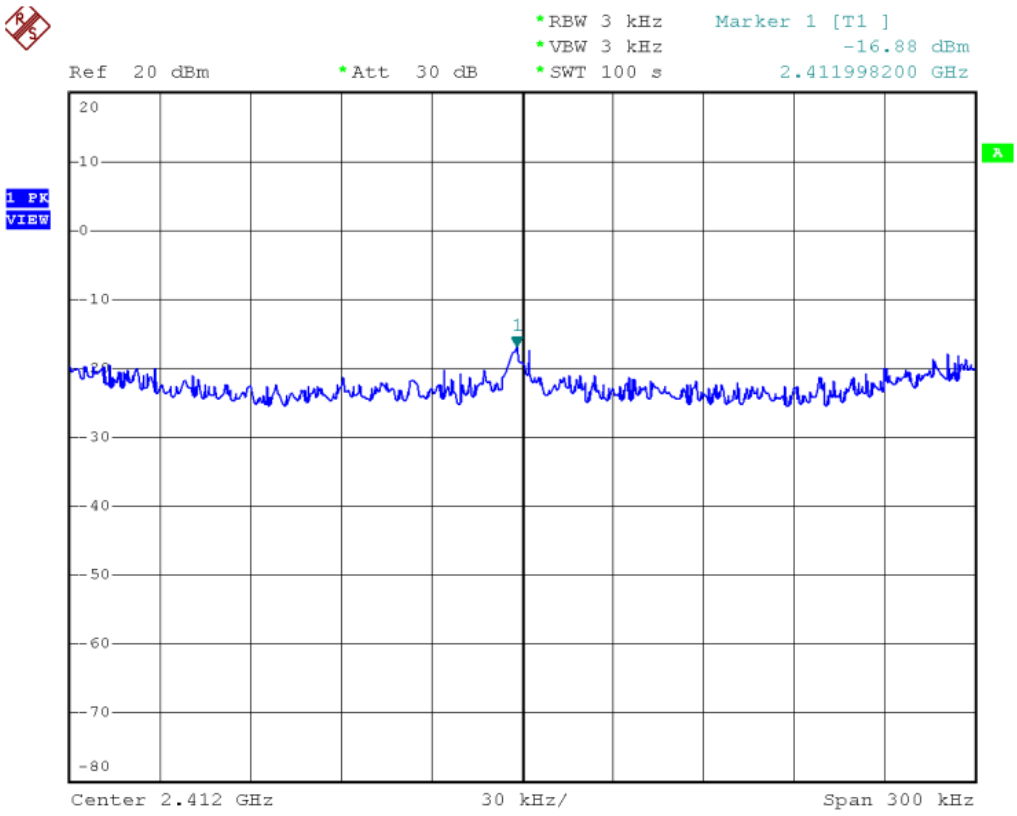
Channel 11 (2462MHz)



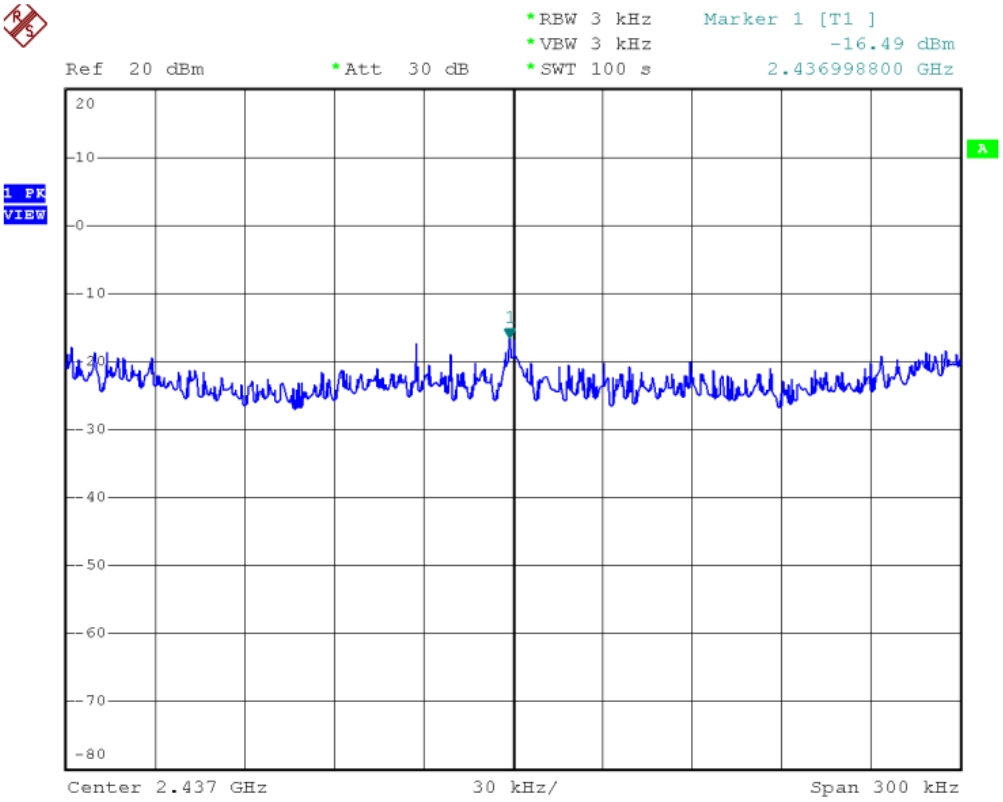
Test Item	Power Spectral Density
Test Mode	Mode 2: Transmit by 802.11g
Test Date	2010-11-09

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-16.88	8	Pass
06	2437	-16.49	8	Pass
11	2462	-16.41	8	Pass

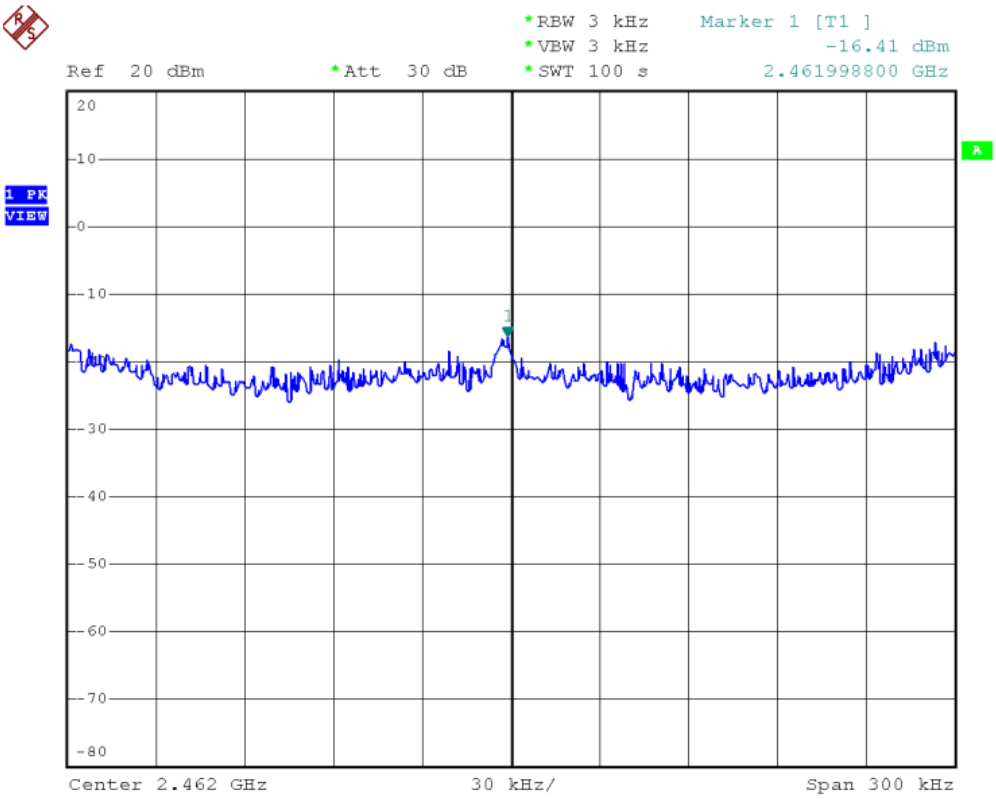
Channel 01 (2412MHz)



Channel 06 (2437MHz)



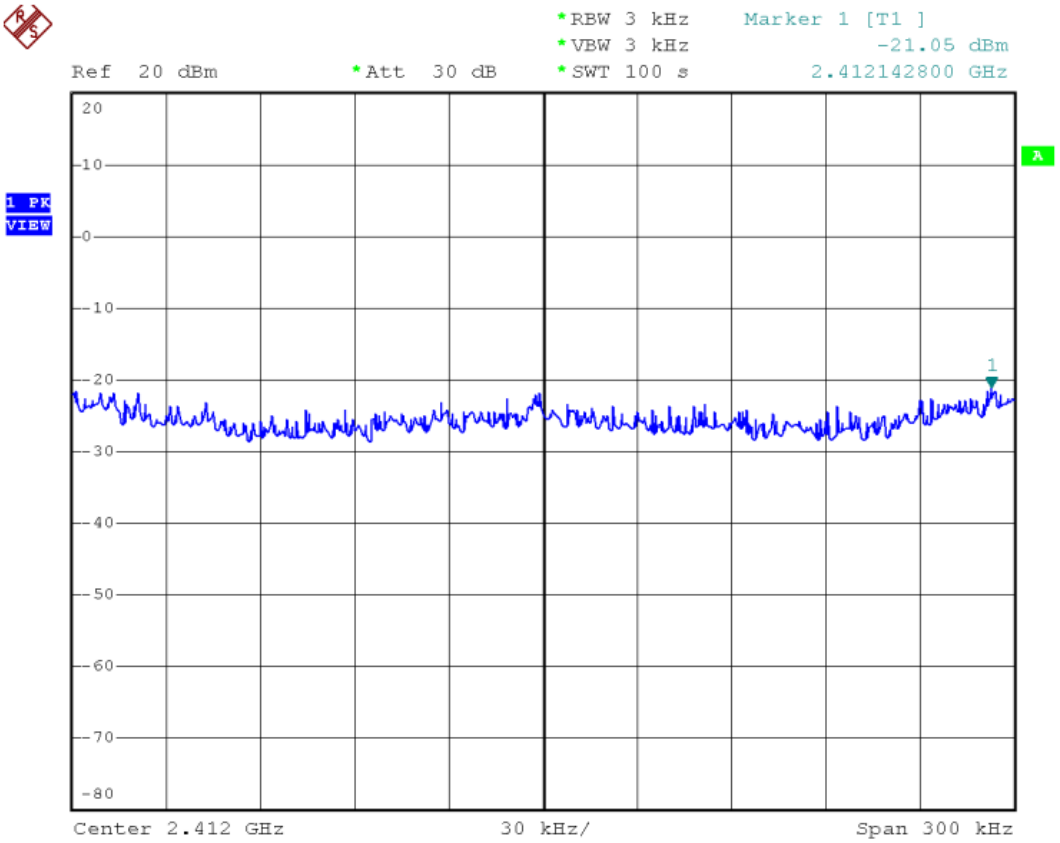
Channel 11 (2462MHz)



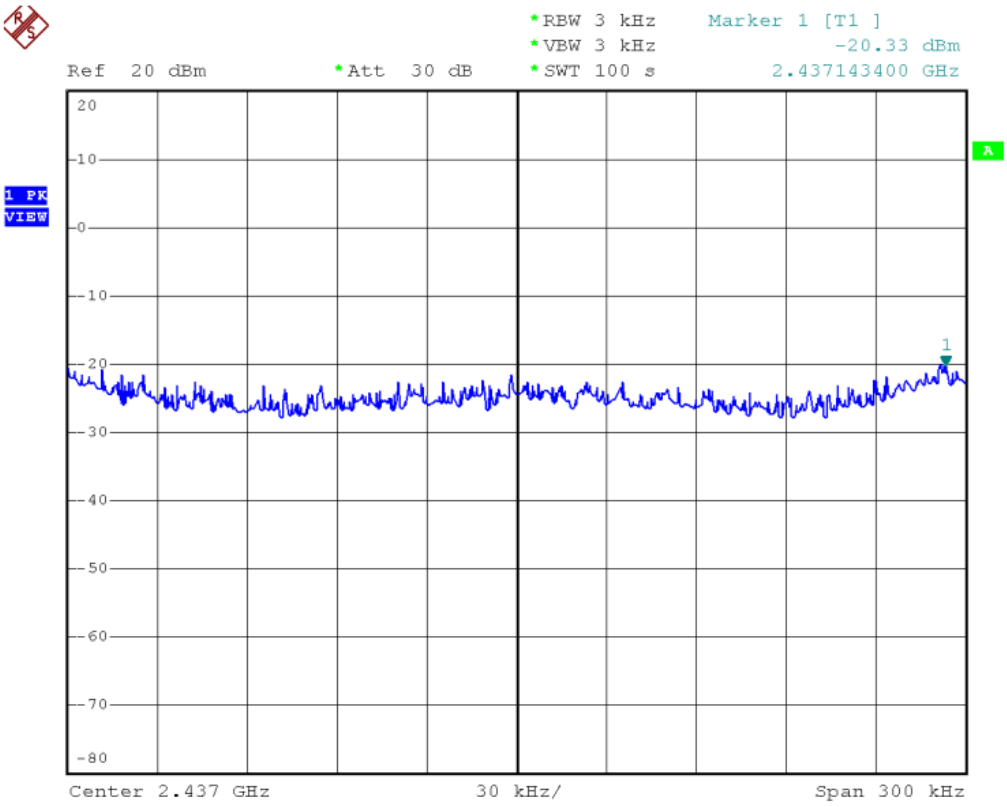
Test Item	Power Spectral Density
Test Mode	Mode 3: Transmit by 802.11n（20MHz）
Test Date	2010-11-09

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-21.05	8	Pass
06	2437	-20.33	8	Pass
11	2462	-18.15	8	Pass

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)