



FCC TEST REPORT

According to

FCC CFR Title 47 Part 15 Subpart C

Applicant : Huawei Technologies Co., Ltd.

Address : Administration Building, Huawei Base, Bantian,
Longgang District, Shenzhen 518129 P.R.C.

Manufacturer : Askey Technology (Jiangsu) Ltd.

Address : No. 1388, Jiao Tong Road, WuJiang
Economic-Technological Development Area,
Jiangsu Province, P.R.C.

Equipment : Home Gateway

Model No. : EchoLife HG552a

FCC ID : QISHG552A

Trade Mark : 
HUAWEI

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

1. Report of Measurements and Examinations

FCC CFR Title 47 Part 15 Subpart C: 2007			
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

ADSL+ Wireless (b/g)	Model No:	EchoLife HG552a
	Serial No:	N/A
Adapter #1	Manufacturer: Amigo Model: AMS3-1201500FU Input: 100-240V~50/60Hz 0.5A Output: DC12V  1.5A	
Adapter #2	Manufacturer: Frecom Model: FM120015-US Input: 100-240V~50/60Hz 0.6A Output: DC12V  1.5A	

Component/ Keypart list	
WLAN	Q-com/ Q802XKG
Frequency Range	2.4 ~ 2.4835GHz
Modulation Type	802.11b: DSSS 802.11g: OFDM
Number of Channels	802.11b/g (20MHz): 11
Data Rate	802.11b: 11, 5.5, 2, 1 Mbps 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps
Antenna Type	Dipole
Antenna Gain	2.2 dBi
Remark	Adapter of AMIGO were selected as the test model in this report.



2.2. Carrier Frequency of Channels

802.11b / 802.11g

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

2.3. Carrier Frequency of Channels

Preliminary tests were performed in different data rate to find the worst radiated emission. The data rate shown in the table below is the worst –case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table marked "*" test modes are shown in this report.

802.11b/ Transmit by 2412MHz			802.11g/ Transmit by 2412MHz		
	Date Rate (Mbps)	Maximum Peak Output Power		Date Rate (Mbps)	Maximum Peak Output Power
	11	14.05		54	17.68
	5.5	13.25		48	17.37
	2	13.55		36	17.44
*	1	14.25		24	17.47
	--	--		18	17.22
	--	--		12	17.72
	--	--		9	17.66
	--	--	*	6	17.76



2.4. Test Manner

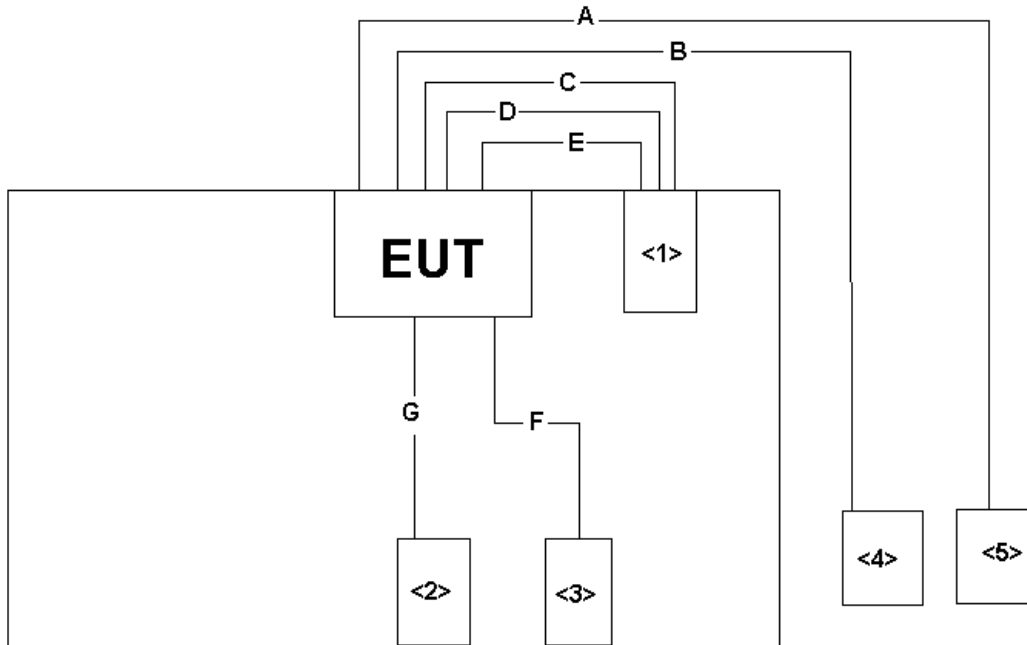
Test Manner	
a	During testing, the interface cables and equipment positions were varied according to 47 CFR, Part 2, Part 15 and CISPR PUB. 22
b	The complete test system included HDD, Phone, Terminal, Notebook and EUT.
c	Connect the HDD, Phone, Terminal, Notebook and EUT.
d	Run the W-LAN software to control the wireless off and on.
e	Adjust the EUT and then test.
The test modes: Full System	
	Test Mode 1: Transmit by 802.11b 2412MHz
	Test Mode 2: Transmit by 802.11b 2437MHz
	Test Mode 3: Transmit by 802.11b 2462MHz
	Test Mode 4: Transmit by 802.11g 2412MHz
	Test Mode 5: Transmit by 802.11g 2437MHz
	Test Mode 6: Transmit by 802.11g 2462MHz

2.5. Description of Test System

No.	Device	Manufacturer	Model No.	Description
1	HDD	BELKIN	F5D5141-24	Power by adaptor
2	Phone	TONNET	TA-8012A	N/A
3	Phone	TONNET	TA-8012A	N/A
4	Terminal	ASKEY	AMA1011	N/A
5	Notebook	Sony	PCG-3949	Power by adaptor



2.6. Connection Diagram of Test System



Use Cable

No.	Cable	Quantity	Description
A	LAN Cable	1	Non-Shielded, >=10m
B	Telephone Cable	1	Non-Shielded, >=10m
C	LAN Cable	1	Non-Shielded, 1.5m
D	LAN Cable	1	Non-Shielded, 1.5m
E	LAN Cable	1	Non-Shielded, 1.5m
F	Telephone Cable	1	Non-Shielded, 1.5m
G	Telephone Cable	1	Non-Shielded, 1.5m

**2.7. General Information of Test**

Test Site :	Cerpass Technology Corp.	
Performed Location	No.66, Tangzhuang Road, Suzhou Industrial Park, Jiangsu, China	
NVLAP LAB Code :	200814-0	
FCC Registration Number :	632249 (Taipei)	916572 (SuZhou)
IC Registration Number :	6597A-1 (Taipei)	7290A-1 (SuZhou)
VCCI Registration Number :	T-338 for Telecommunication Test (Taipei) C-2188 for Conducted emission test (Taipei) R-1902 for Radiated emission test (Taipei)	
	T-343 for Telecommunication Test (Suzhou) C-2919 for Conducted emission test (Suzhou) R-2670 for Radiated emission test (Suzhou)	
Test Voltage:	AC 120V/ 60Hz	
Test in Compliance with:	ANSI C63.4-2003 FCC Part 15 Subpart B	
Frequency Range Investigated :	Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 1,000 MHz	
Test Distance :	The test distance of radiated emission below 1GHz from antenna to EUT is 10 M. The test distance of radiated emission above 1GHz from antenna to EUT is 3 M.	

Laboratory accreditation





2.8. 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. Test 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. Test 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)

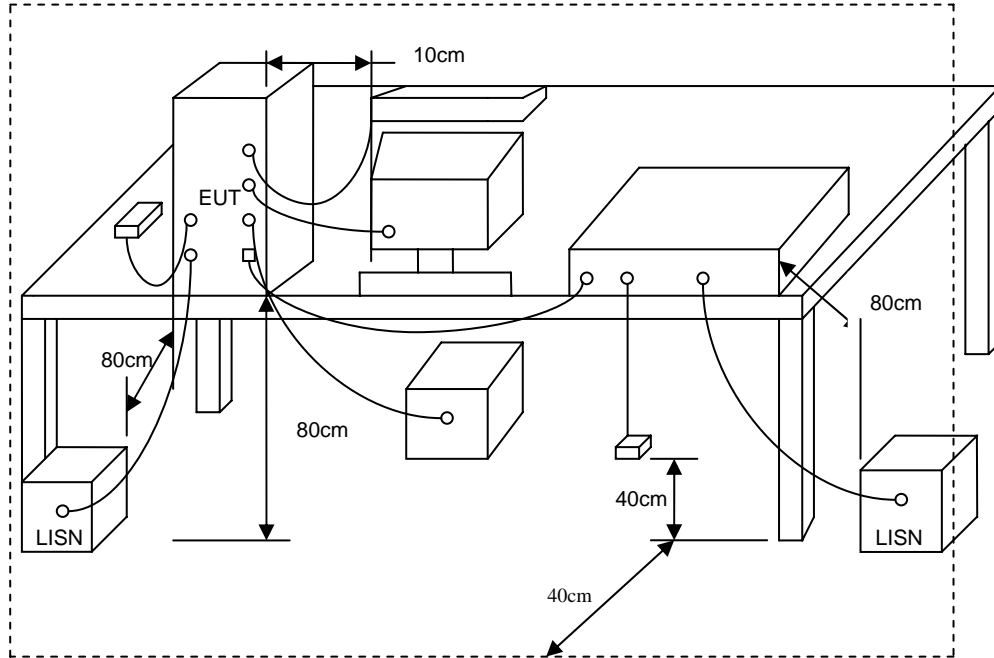
Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

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 Data
EMC Emission Tester	EMCPARTNER	Harmonics-1000	159	2009.06.23
Test Receiver	R&S	ESCI	100565	2009.06.23
AMN	R&S	ESH2-Z5	100182	2009.06.23
Two-Line V-Network	R&S	ENV216	100325	2009.06.23
ISN	FCC	FCC-TLISN-T2-02	20379	2009.06.23
ISN	FCC	FCC-TLISN-T4-02	20380	2009.06.23
ISN	FCC	FCC-TLISN-T8-02	20381	2009.06.23
Current Probe	R&S	EZ-17	100303	2009.06.23
Passive Voltage Probe	R&S	ESH2-Z3	100026	2009.06.23
Decoupling Clamp	LUTHI	FTC 40 X 15 E	5685	2008.11.01
Absorbing Clamp	Schwarzbeck	MDS21	3753	2008.11.01
Power Divider	Agilent	11636A	09523	2008.06.30
Minimum Loss Pad	Agilent	11852B	61650	2009.06.23
Attenuator	R&S	ESH3-Z2	100529	2009.01.12
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-004	2008.09.24



Final Data List

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
0.19785	L1	19.0	13.6	19.5	38.5	33.1	63.7	53.7	25.2	20.6	Pass
0.39492	L1	15.0	9.2	19.6	34.6	28.8	58.0	48.0	23.4	19.2	Pass
1.32564	L1	11.9	5.8	19.5	31.4	25.3	56.0	46.0	24.6	20.7	Pass
2.53067	L1	13.9	8.8	19.6	33.5	28.4	56.0	46.0	22.5	17.6	Pass
5.3535	L1	19.5	13.8	19.8	39.3	33.6	60.0	50.0	20.7	16.4	Pass
8.1613	L1	16.6	10.2	20.0	36.6	30.2	60.0	50.0	23.4	19.8	Pass
0.39492	N	19.2	11.9	19.6	38.8	31.5	58.0	48.0	19.2	16.5	Pass
0.51249	N	15.1	7.8	19.6	34.7	27.4	56.0	46.0	21.3	18.6	Pass
0.7966	N	14.6	7.2	19.6	34.2	26.8	56.0	46.0	21.8	19.2	Pass
2.47189	N	13.8	7.0	19.6	33.4	26.6	56.0	46.0	22.6	19.4	Pass
4.47048	N	16.6	10.1	19.7	36.3	29.8	56.0	46.0	19.7	16.2	Pass
8.6057	N	17.2	10.3	20.0	37.2	30.3	60.0	50.0	22.8	19.7	Pass

**Final Data List**

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
0.19899	L1	18.1	12.5	19.5	37.6	32.0	63.7	53.7	26.1	21.7	Pass
0.39492	L1	14.1	7.4	19.6	33.7	27.0	58.0	48.0	24.3	21.0	Pass
1.32564	L1	10.9	4.4	19.5	30.4	23.9	56.0	46.0	25.6	22.1	Pass
2.53067	L1	13.3	6.6	19.6	32.9	26.2	56.0	46.0	23.1	19.8	Pass
5.3535	L1	16.0	8.6	19.8	35.8	28.4	60.0	50.0	24.2	21.6	Pass
8.1613	L1	14.3	7.2	20.0	34.3	27.2	60.0	50.0	25.7	22.8	Pass
0.39492	N	18.9	12.1	19.6	38.5	31.7	58.0	48.0	19.5	16.3	Pass
0.51249	N	15.0	7.8	19.6	34.6	27.4	56.0	46.0	21.4	18.6	Pass
0.7966	N	17.2	9.0	19.6	36.8	28.6	56.0	46.0	19.2	17.4	Pass
2.47189	N	16.3	7.8	19.6	35.9	27.4	56.0	46.0	20.1	18.6	Pass
4.47048	N	18.1	9.9	19.7	37.8	29.6	56.0	46.0	18.2	16.4	Pass
8.6057	N	18.0	11.9	20.0	38.0	31.9	60.0	50.0	22.0	18.1	Pass



4. Test of Radiated Emission

4.1. Test 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. Test 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.

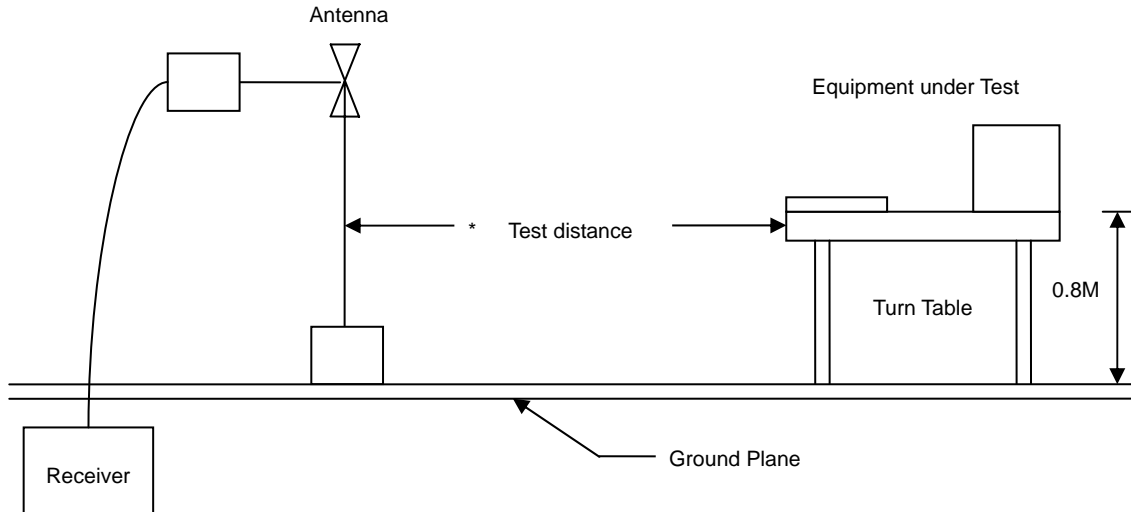
The spectrum from 30MHz to 26GHz is investigated with the transmitter set to the lowest, middle and highest channels in the 2.4GHz band.

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.



4.3. Typical Test Setup



4.4. Measurement Equipment

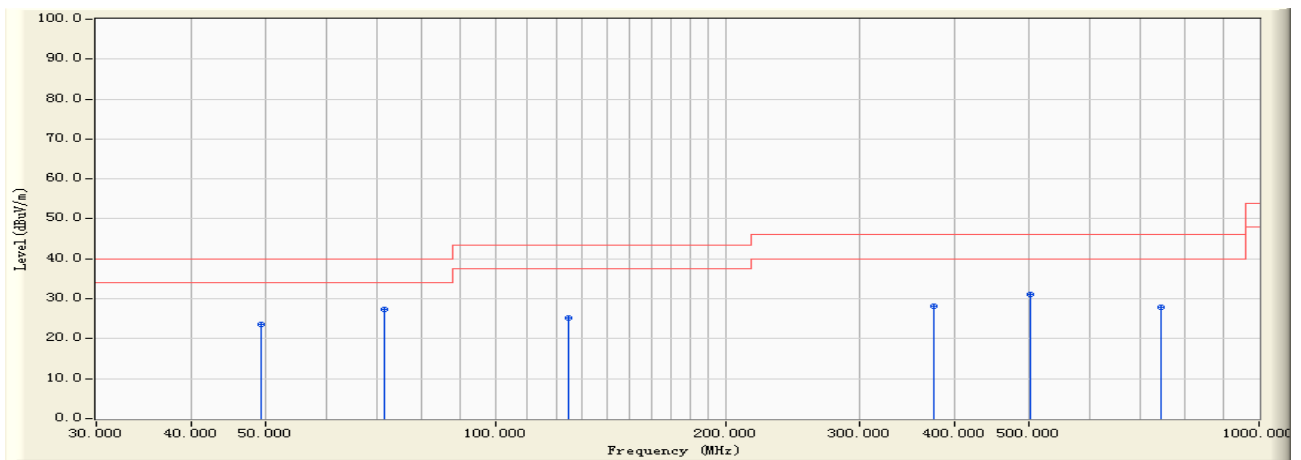
Instrument	Model No.	Manufacturer	Serial No.	Calibration Date
Test Receiver	R&S	ESCI	100563	2009.06.23
Spectrum Analyzer	R&S	FSP40	100324	2008.09.28
Preamplifier	Agilent	87405B	My39500553	2008.08.02
Preamplifier	R&S	PR-AMP26	1248791	2009.06.23
Ultra Broadband Antenna	R&S	HL562	100363	2009.06.23
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2008.10.10



4.5. Test Result and Data

Under 1G:

Engineer : Sandy	
Site : 3m semi chamber	Time : 2009/07/03 - 16:43
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : EchoLife HG552a	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode1:Transmit by 802.11b 2412MHz



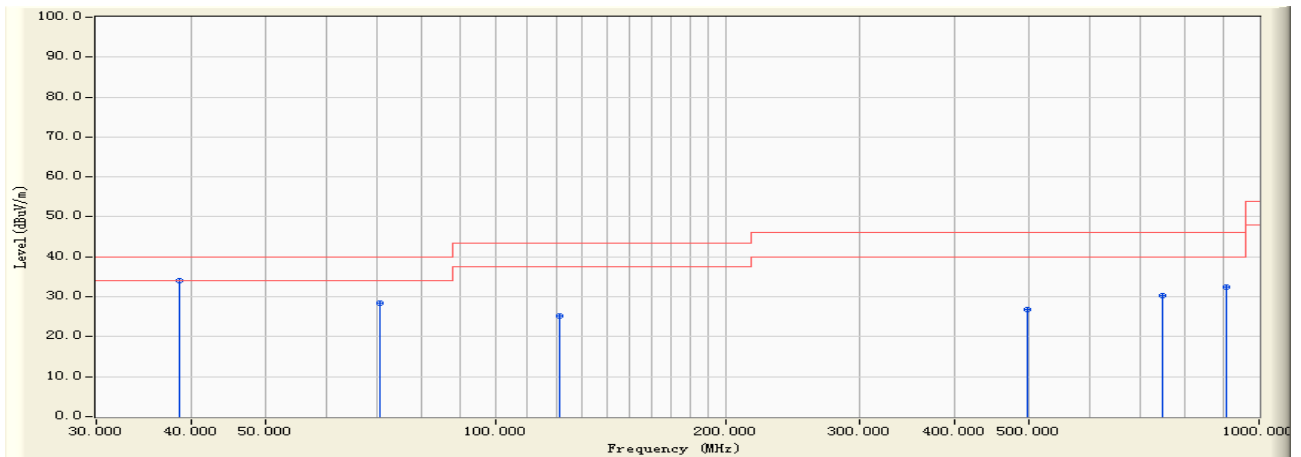
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		49.320	-16.101	39.650	23.549	-16.451	40.000	QUASPEAK	120.000	0.000
2	*	71.650	-16.949	44.380	27.432	-12.568	40.000	QUASPEAK	100.000	270.000
3		124.890	-13.745	38.950	25.205	-18.295	43.500	QUASPEAK	125.000	260.000
4		374.890	-8.394	36.650	28.256	-17.744	46.000	QUASPEAK	150.000	330.000
5		501.620	-4.776	35.850	31.074	-14.926	46.000	QUASPEAK	150.000	360.000
6		744.590	0.329	27.530	27.860	-18.140	46.000	QUASPEAK	200.000	280.000

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 : Sandy	
Site : 3m semi chamber	Time : 2009/07/03 - 16:50
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : EchoLife HG552a	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode1:Transmit by 802.11b 2412MHz



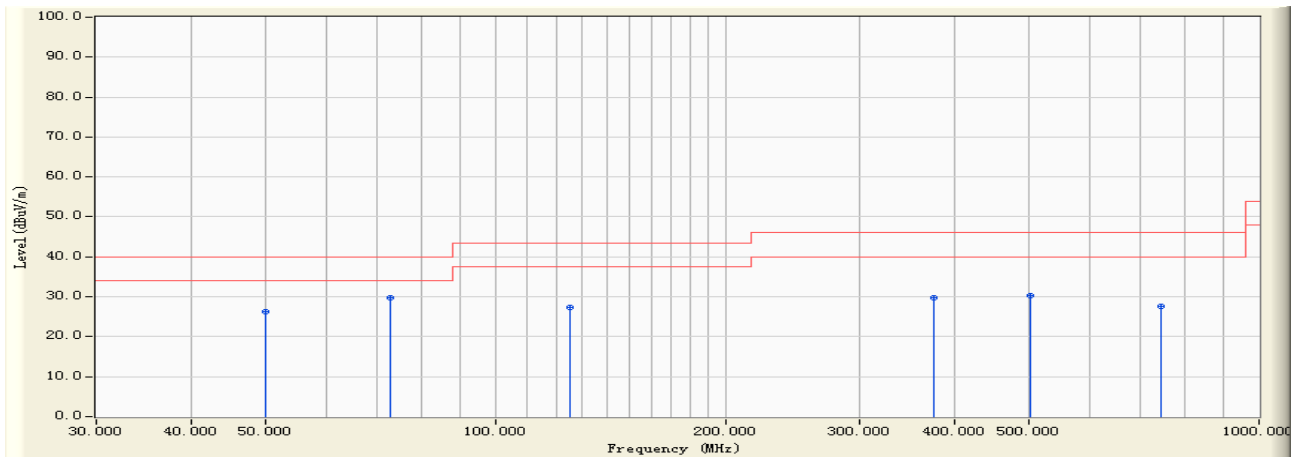
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	38.560	-9.657	43.632	33.975	-6.025	40.000	QUASPEAK	150.000	360.000
2		70.536	-17.272	45.620	28.348	-11.652	40.000	QUASPEAK	180.000	360.000
3		121.430	-13.605	38.732	25.126	-18.374	43.500	QUASPEAK	150.000	0.000
4		498.120	-4.889	31.568	26.679	-19.321	46.000	QUASPEAK	100.000	360.000
5		748.230	0.417	29.980	30.398	-15.602	46.000	QUASPEAK	150.000	300.000
6		906.120	3.131	29.350	32.482	-13.518	46.000	QUASPEAK	180.000	350.000

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 : Sandy	
Site : 3m semi chamber	Time : 2009/07/03 - 16:55
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : EchoLife HG552a	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode2:Transmit by 802.11b 2437MHz



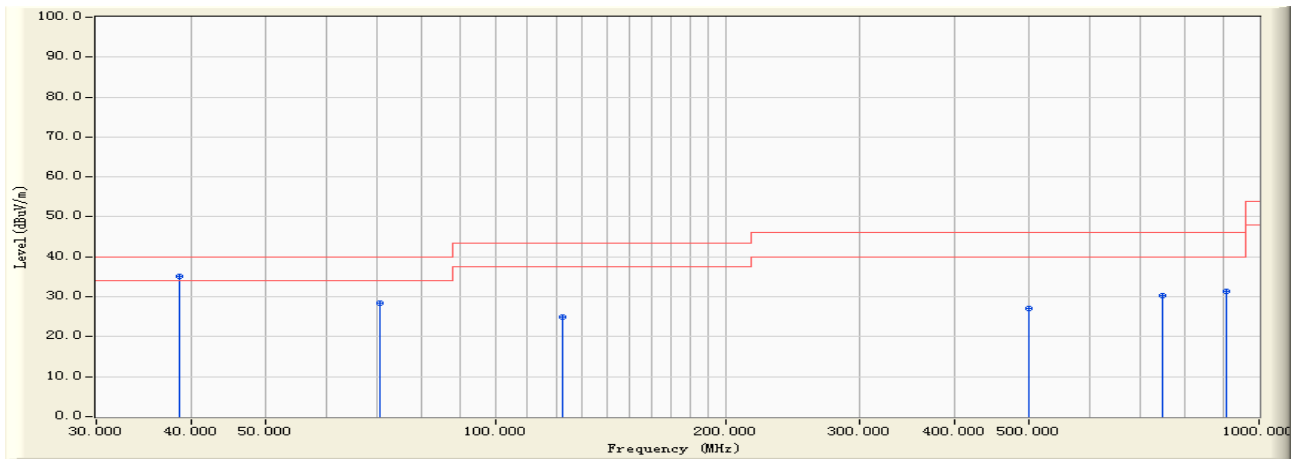
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		49.890	-16.483	42.872	26.389	-13.611	40.000	QUASPEAK	120.000	360.000
2	*	72.756	-16.741	46.450	29.709	-10.291	40.000	QUASPEAK	150.000	300.000
3		125.240	-13.775	41.120	27.345	-16.155	43.500	QUASPEAK	100.000	120.000
4		375.160	-8.385	38.250	29.866	-16.134	46.000	QUASPEAK	150.000	300.000
5		501.240	-4.785	34.952	30.167	-15.833	46.000	QUASPEAK	145.000	360.000
6		744.890	0.318	27.320	27.638	-18.362	46.000	QUASPEAK	200.000	280.000

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 : Sandy	
Site : 3m semi chamber	Time : 2009/07/03 - 16:58
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : EchoLife HG552a	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode2:Transmit by 802.11b 2437MHz



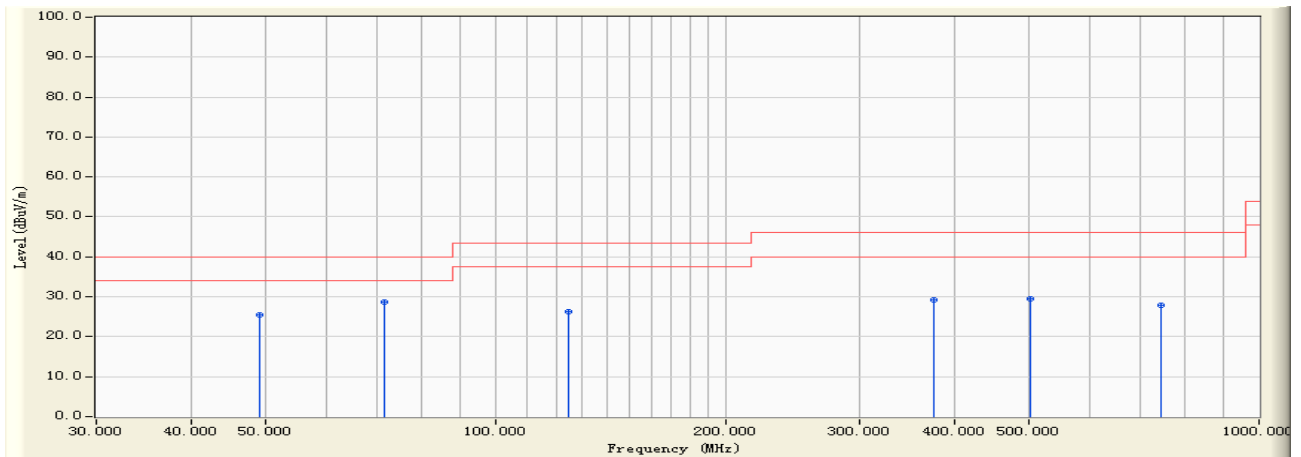
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	38.560	-9.657	44.860	35.203	-4.797	40.000	QUASIPeAK	150.000	360.000
2		70.569	-17.263	45.650	28.387	-11.613	40.000	QUASIPeAK	200.000	360.000
3		122.340	-13.633	38.540	24.907	-18.593	43.500	QUASIPeAK	145.000	160.000
4		498.670	-4.859	31.850	26.991	-19.009	46.000	QUASIPeAK	100.000	0.000
5		748.923	0.432	29.985	30.417	-15.583	46.000	QUASIPeAK	150.000	280.000
6		905.650	3.119	28.210	31.329	-14.671	46.000	QUASIPeAK	200.000	360.000

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 : Sandy	
Site : 3m semi chamber	Time : 2009/07/03 - 18:31
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : EchoLife HG552a	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode3:Transmit by 802.11b 2462MHz



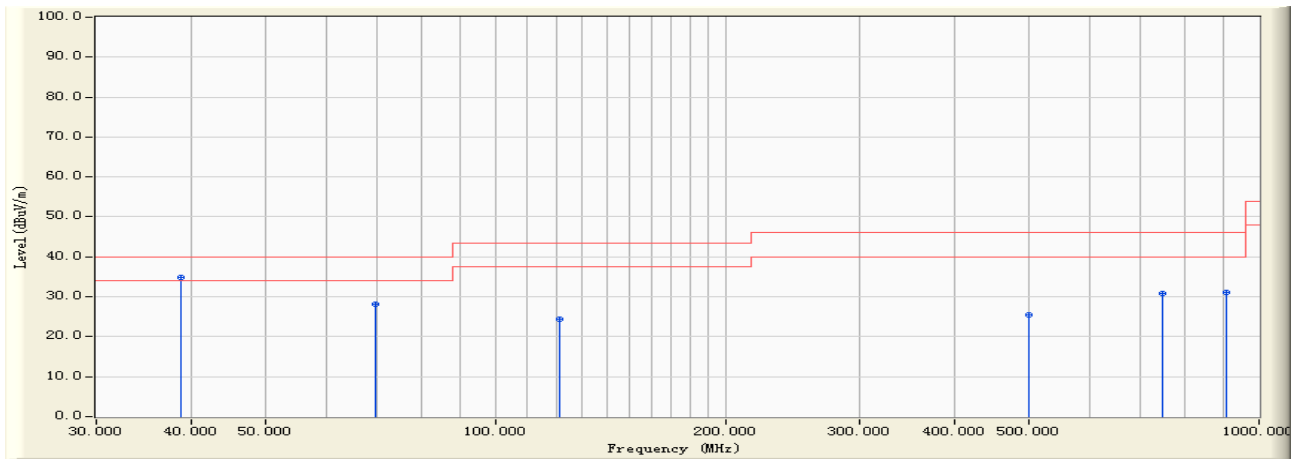
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		49.130	-15.974	41.530	25.556	-14.444	40.000	QUASPEAK	135.000	360.000
2	*	71.680	-16.941	45.670	28.728	-11.272	40.000	QUASPEAK	150.000	320.000
3		124.430	-13.727	40.025	26.297	-17.203	43.500	QUASPEAK	100.000	130.000
4		374.350	-8.415	37.640	29.225	-16.775	46.000	QUASPEAK	150.000	300.000
5		501.340	-4.783	34.250	29.467	-16.533	46.000	QUASPEAK	150.000	360.000
6		744.650	0.327	27.430	27.757	-18.243	46.000	QUASPEAK	180.000	280.000

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 : Sandy	
Site : 3m semi chamber	Time : 2009/07/03 - 18:35
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : EchoLife HG552a	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode3:Transmit by 802.11b 2462MHz



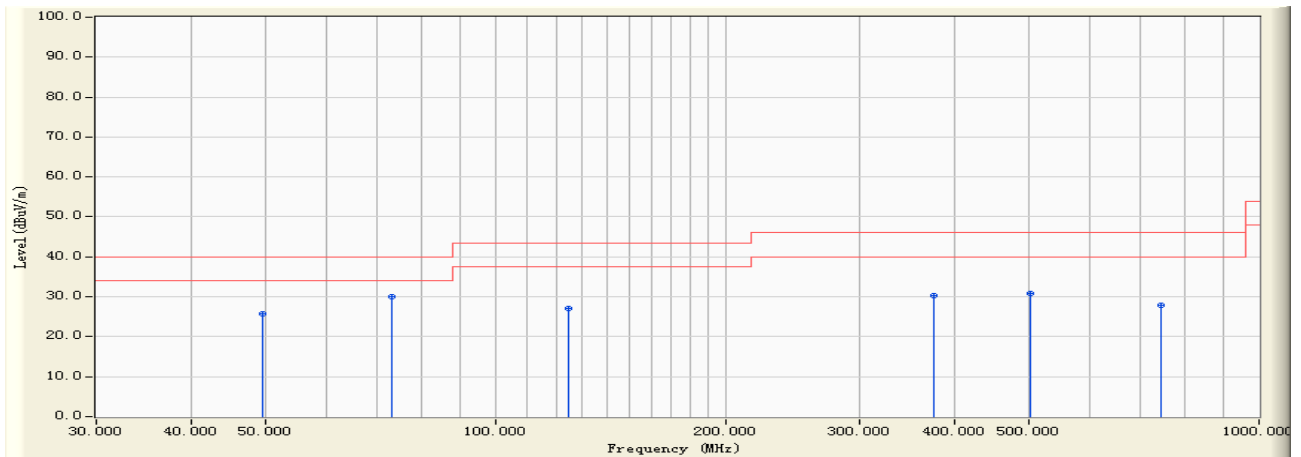
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	38.750	-9.754	44.680	34.927	-5.073	40.000	QUASPEAK	150.000	360.000
2		69.560	-17.564	45.620	28.056	-11.944	40.000	QUASPEAK	200.000	360.000
3		121.340	-13.603	37.891	24.287	-19.213	43.500	QUASPEAK	160.000	200.000
4		499.120	-4.840	30.263	25.423	-20.577	46.000	QUASPEAK	100.000	360.000
5		748.360	0.421	30.460	30.881	-15.119	46.000	QUASPEAK	100.000	300.000
6		905.980	3.128	27.852	30.980	-15.020	46.000	QUASPEAK	200.000	360.000

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 : Sandy	
Site : 3m semi chamber	Time : 2009/07/03 - 19:05
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : EchoLife HG552a	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode4:Transmit by 802.11g 2412MHz



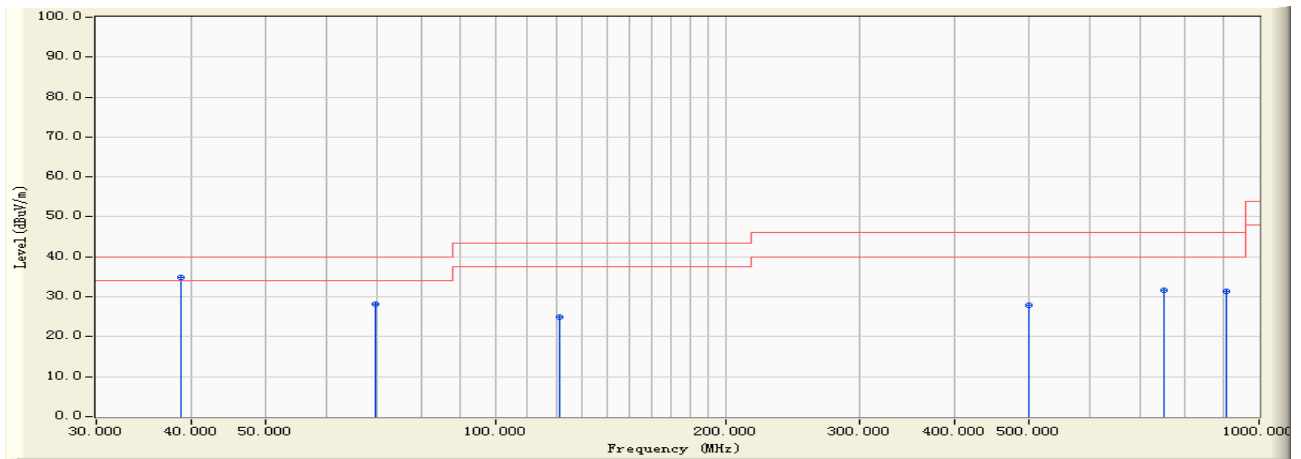
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		49.546	-16.252	41.961	25.709	-14.291	40.000	QUASPEAK	130.000	360.000
2	*	73.145	-16.665	46.583	29.918	-10.082	40.000	QUASPEAK	150.000	300.000
3		124.763	-13.740	40.836	27.096	-16.404	43.500	QUASPEAK	100.000	150.000
4		375.310	-8.379	38.651	30.272	-15.728	46.000	QUASPEAK	150.000	330.000
5		501.243	-4.785	35.620	30.835	-15.165	46.000	QUASPEAK	100.000	360.000
6		744.653	0.327	27.65	27.980	-18.020	46.000	QUASPEAK	200.000	280.000

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 : Sandy	
Site : 3m semi chamber	Time : 2009/07/03 - 19:09
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : EchoLife HG552a	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode4:Transmit by 802.11g 2412MHz



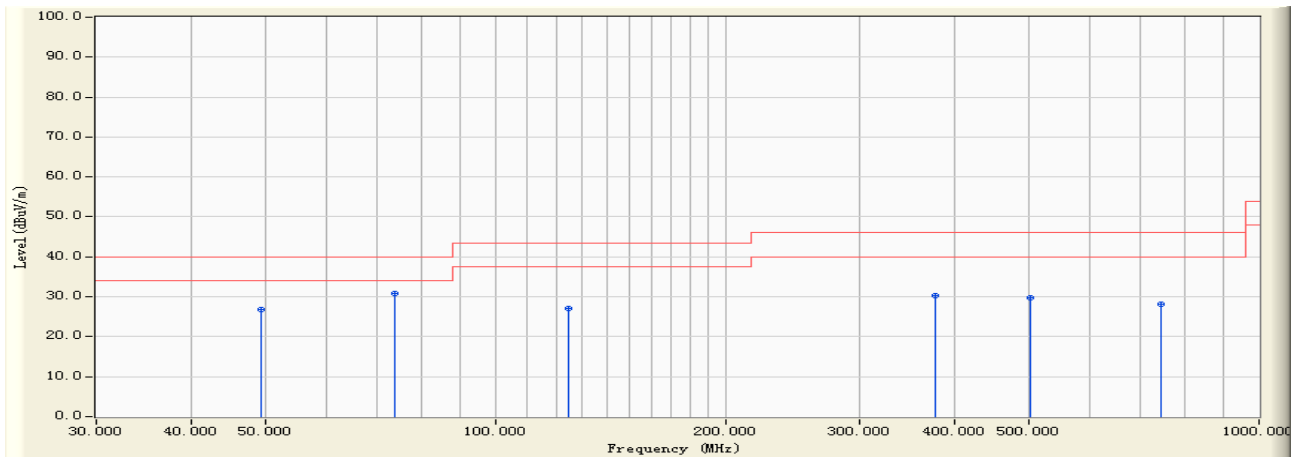
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	38.652	-9.704	44.680	34.977	-5.023	40.000	QUASPEAK	150.000	360.000
2		69.624	-17.545	45.681	28.136	-11.864	40.000	QUASPEAK	200.000	360.000
3		121.435	-13.606	38.670	25.064	-18.436	43.500	QUASPEAK	100.000	180.000
4		499.310	-4.833	32.714	27.881	-18.119	46.000	QUASPEAK	100.000	360.000
5		749.250	0.435	31.260	31.695	-14.305	46.000	QUASPEAK	150.000	285.000
6		905.240	3.108	28.310	31.418	-14.582	46.000	QUASPEAK	180.000	0.000

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 : Sandy	
Site : 3m semi chamber	Time : 2009/07/03 - 20:17
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : EchoLife HG552a	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode5:Transmit by 802.11g 2437MHz



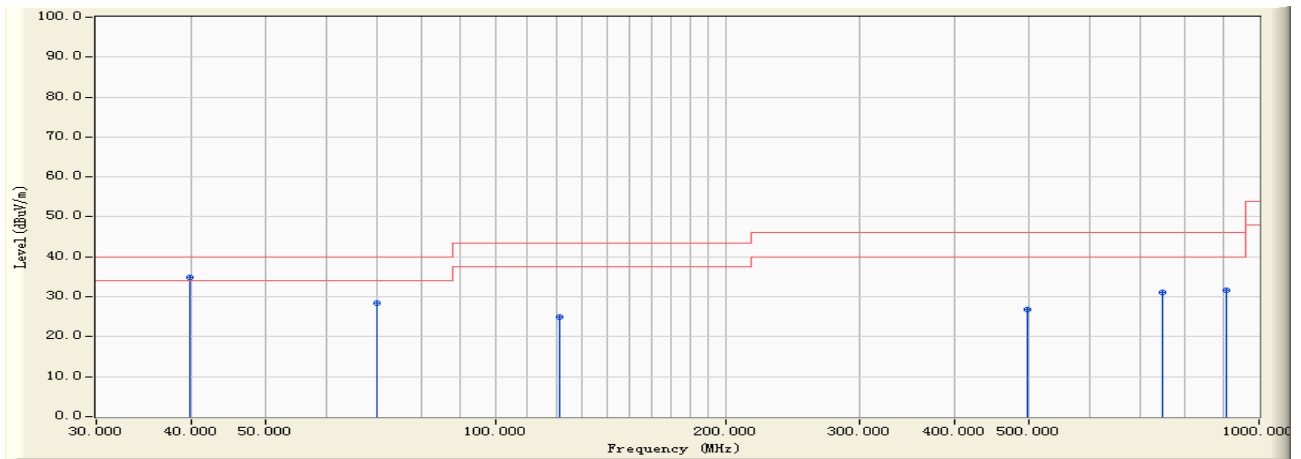
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		49.278	-16.073	42.860	26.787	-13.213	40.000	QUASPEAK	130.000	360.000
2	*	73.682	-16.560	47.325	30.765	-9.235	40.000	QUASPEAK	150.000	320.000
3		124.681	-13.737	40.856	27.119	-16.381	43.500	QUASPEAK	100.000	130.000
4		375.983	-8.361	38.672	30.311	-15.689	46.000	QUASPEAK	150.000	330.000
5		500.853	-4.795	34.681	29.887	-16.113	46.000	QUASPEAK	150.000	360.000
6		744.526	0.332	27.934	28.266	-17.734	46.000	QUASPEAK	200.000	320.000

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 : Sandy	
Site : 3m semi chamber	Time : 2009/07/03 - 20:20
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : EchoLife HG552a	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode5:Transmit by 802.11g 2437MHz



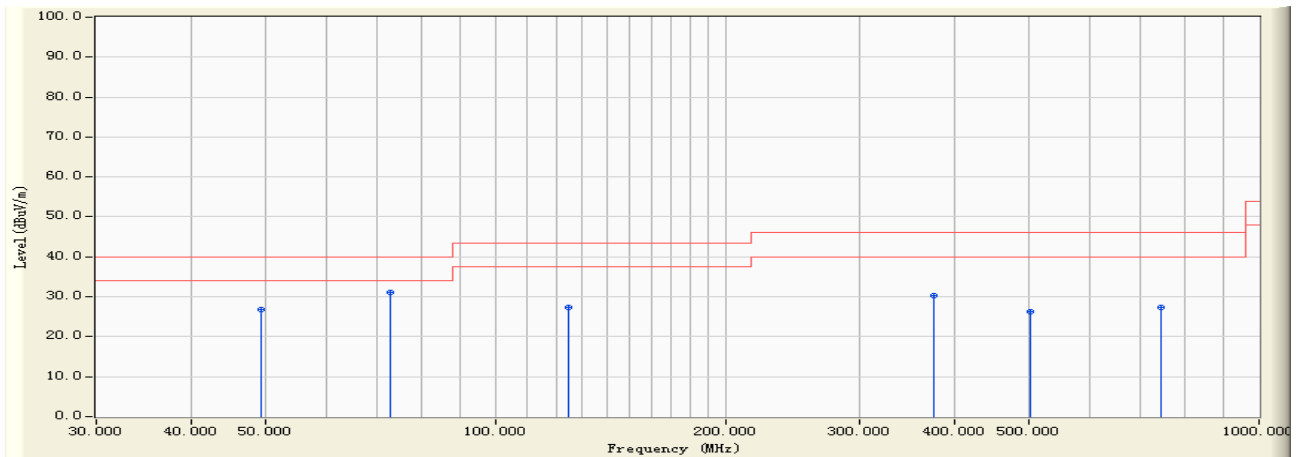
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	39.753	-10.291	45.126	34.835	-5.165	40.000	QUASPEAK	150.000	360.000
2		69.845	-17.477	45.873	28.396	-11.604	40.000	QUASPEAK	200.000	360.000
3		121.541	-13.608	38.570	24.962	-18.538	43.500	QUASPEAK	145.000	150.000
4		498.241	-4.882	31.765	26.883	-19.117	46.000	QUASPEAK	100.000	0.000
5		748.635	0.428	30.795	31.222	-14.778	46.000	QUASPEAK	150.000	300.000
6		907.534	3.170	28.567	31.737	-14.263	46.000	QUASPEAK	200.000	360.000

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 : Sandy	
Site : 3m semi chamber	Time : 2009/07/03 - 20:24
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : EchoLife HG552a	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode6:Transmit by 802.11g 2462MHz



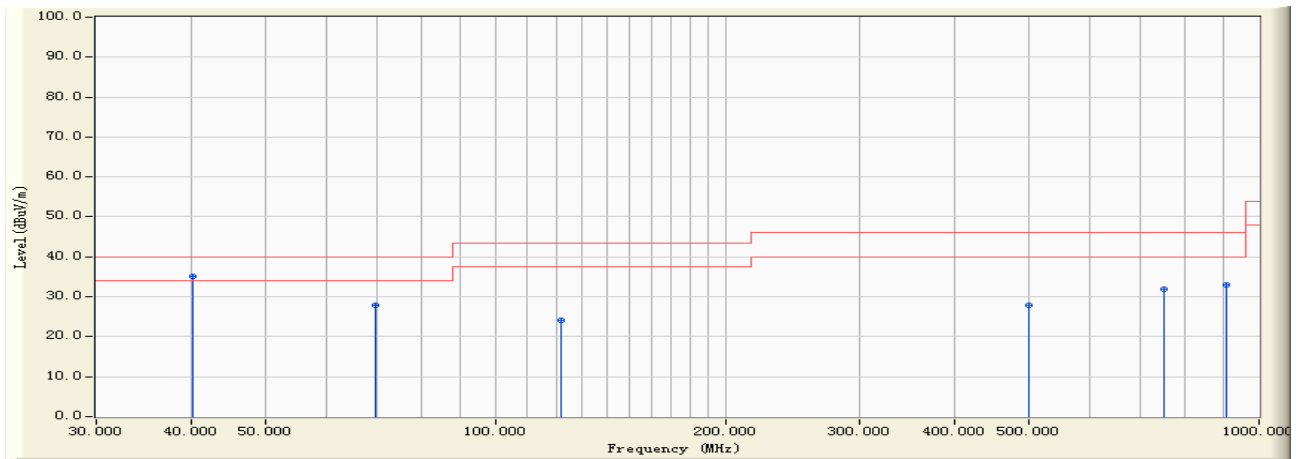
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		49.367	-16.132	42.857	26.724	-13.276	40.000	QUASPEAK	120.000	360.000
2	*	72.953	-16.703	47.674	30.971	-9.029	40.000	QUASPEAK	150.000	330.000
3		124.697	-13.738	40.975	27.237	-16.263	43.500	QUASPEAK	100.000	150.000
4		375.346	-8.378	38.756	30.378	-15.622	46.000	QUASPEAK	150.000	0.000
5		501.462	-4.780	31.124	26.344	-19.656	46.000	QUASPEAK	150.000	360.000
6		743.840	0.357	26.980	27.337	-18.663	46.000	QUASPEAK	180.000	320.000

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 : Sandy	
Site : 3m semi chamber	Time : 2009/07/03 - 20:27
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : EchoLife HG552a	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode6:Transmit by 802.11g 2462MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	40.153	-10.507	45.673	35.166	-4.834	40.000	QUASPEAK	140.000	360.000
2		69.486	-17.587	45.350	27.763	-12.237	40.000	QUASPEAK	200.000	360.000
3		121.870	-13.616	37.652	24.036	-19.464	43.500	QUASPEAK	150.000	200.000
4		498.673	-4.859	32.750	27.898	-18.102	46.000	QUASPEAK	100.000	0.000
5		749.364	0.436	31.345	31.781	-14.219	46.000	QUASPEAK	120.000	300.60
6		907.210	3.161	29.876	33.037	-12.963	46.000	QUASPEAK	180.000	349.30

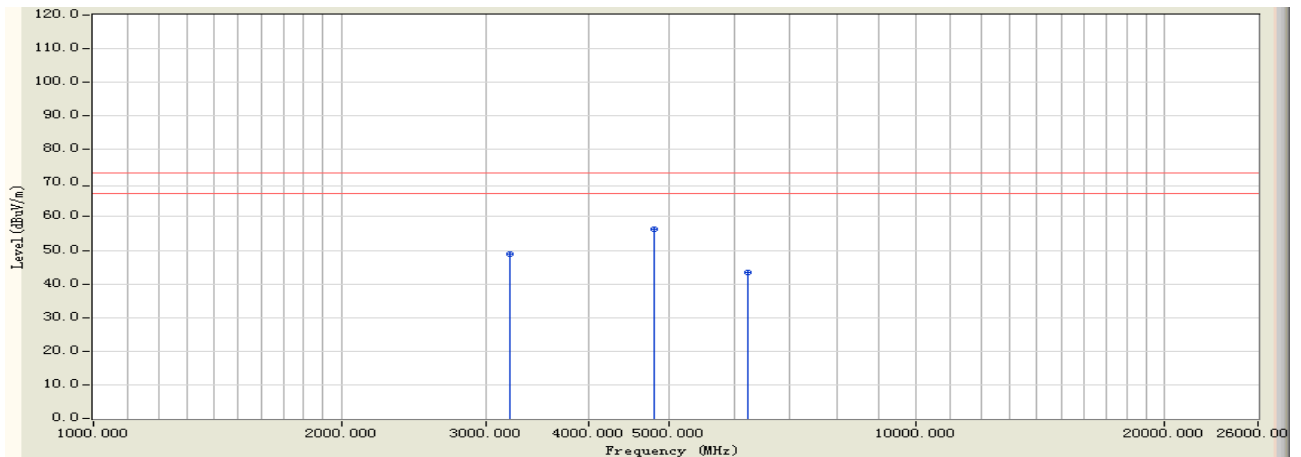
Note:

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



Above 1G:

Engineer : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 18:37
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : EchoLife HG552a	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1:Transmit by 802.11b 2412MHz



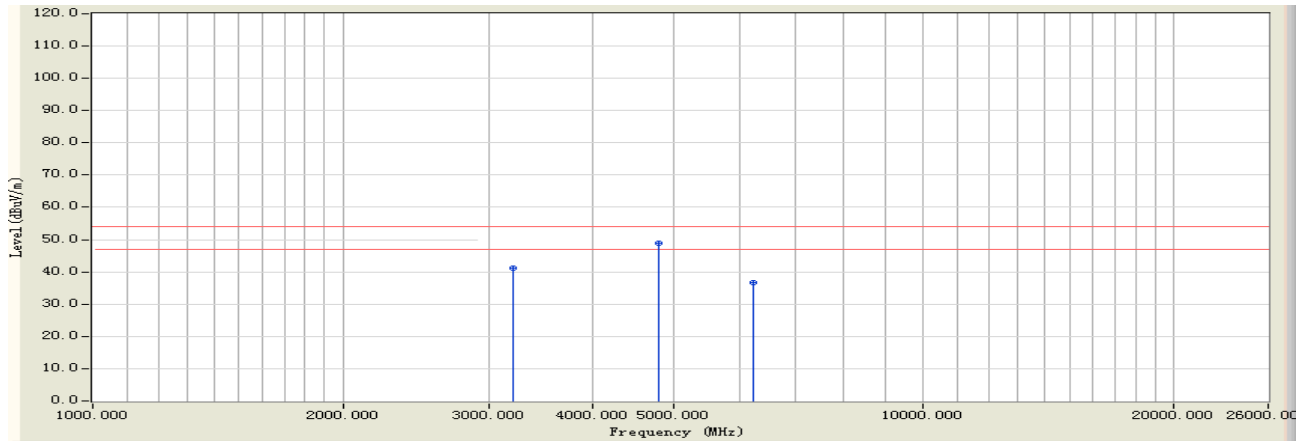
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3200.000	-12.285	61.281	48.996	-24.974	73.970	PEAK
2	*	4800.000	-5.389	61.709	56.320	-17.650	73.970	PEAK
3		6250.000	-4.850	48.310	43.460	-30.510	73.970	PEAK

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 18:41
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : EchoLife HG552a	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note :Mode 1: Transmit by 802.11b 2412MHz



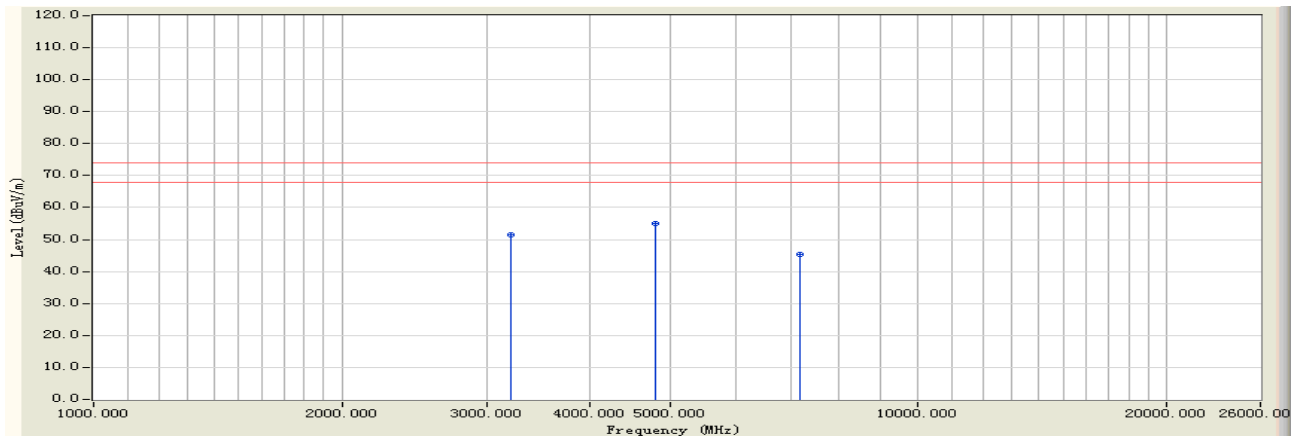
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3200.000	-12.285	53.350	41.065	-12.905	53.970	AVERAGE
2	*	4800.000	-5.389	54.350	48.961	-5.009	53.970	AVERAGE
3		6250.000	-4.850	41.680	36.830	-17.140	53.970	AVERAGE

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 18:45
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : EchoLife HG552a	Probe : VERTICAL
Power : AC 120V/60Hz	Note :Mode 1: Transmit by 802.11b 2412MHz



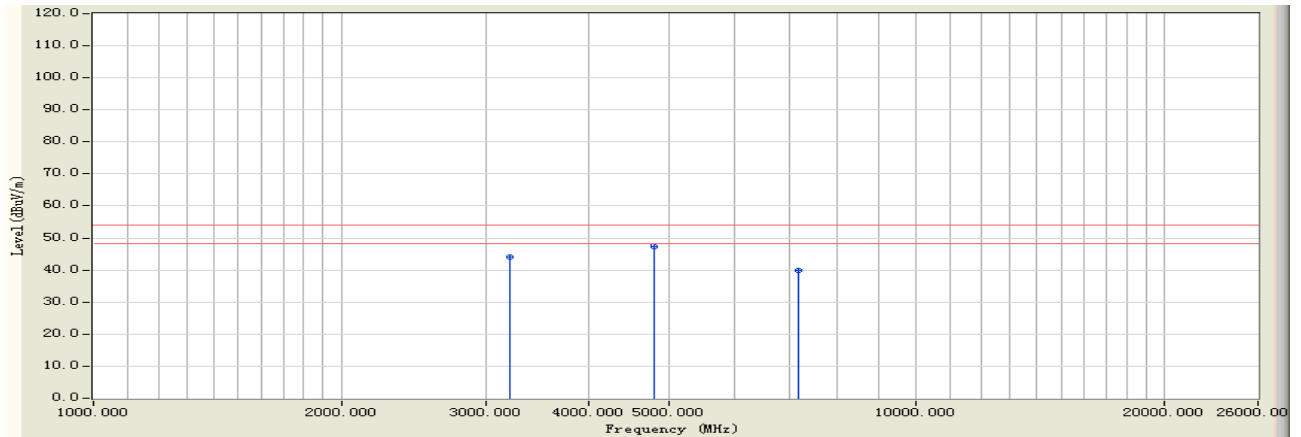
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3200.000	-12.285	63.880	51.595	-22.375	73.970	PEAK
2	*	4800.000	-5.389	60.258	54.869	-19.101	73.970	PEAK
3		7200.000	-1.672	47.126	45.454	-28.516	73.970	PEAK

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 18:50
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : EchoLife HG552a	Probe : VERTICAL
Power : AC 120V/60Hz	Note :Mode 1: Transmit by 802.11b 2412MHz



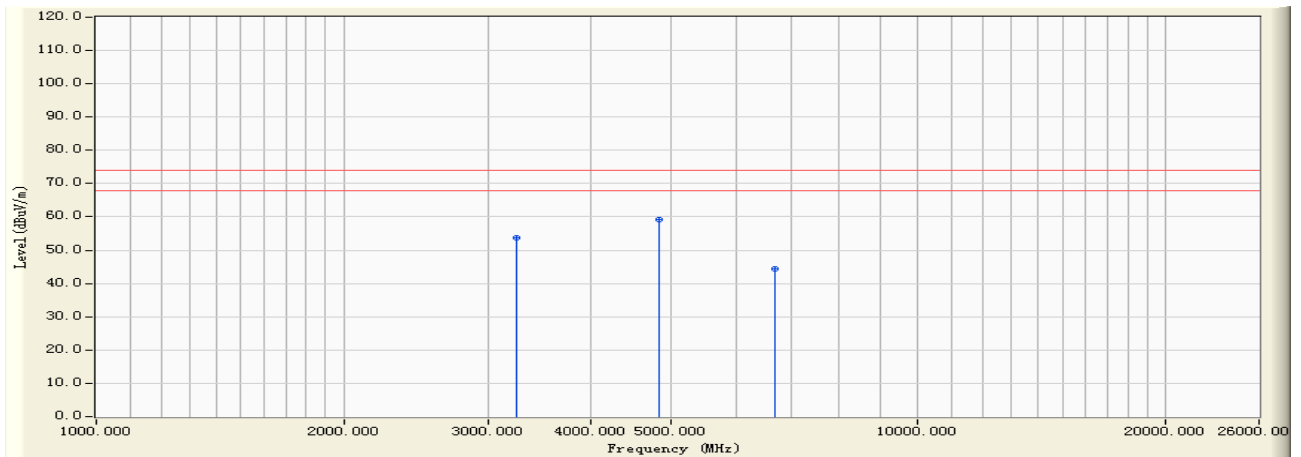
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3200.000	-12.285	56.380	44.095	-9.875	53.970	AVERAGE
2	*	4800.000	-5.389	52.810	47.421	-6.549	53.970	AVERAGE
3		7200.000	-1.672	41.640	39.968	-14.002	53.970	AVERAGE

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 18:55
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : EchoLife HG552a	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note :Mode 2: Transmit by 802.11b 2437MHz



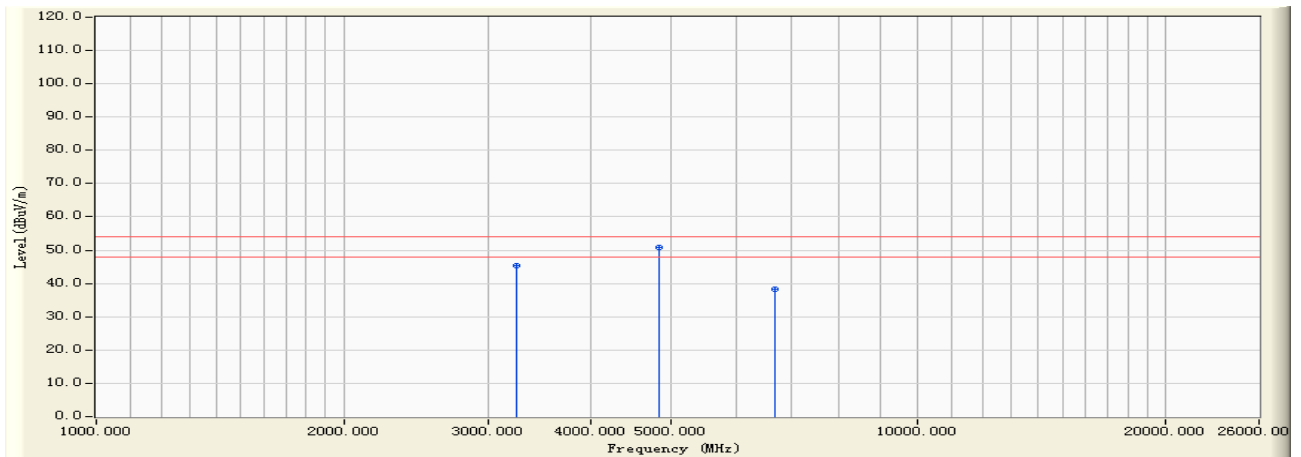
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	65.958	53.702	-20.268	73.970	PEAK
2	*	4850.000	-5.369	64.700	59.331	-14.639	73.970	PEAK
3		6700.000	-3.655	47.894	44.239	-29.731	73.970	PEAK

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 18:59
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : EchoLife HG552a	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note :Mode 2: Transmit by 802.11b 2437MHz



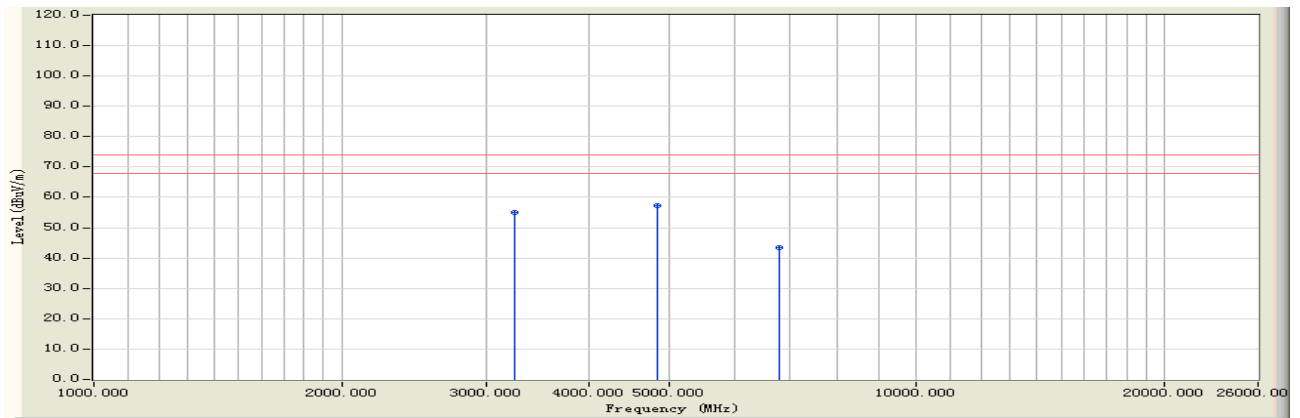
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	57.520	45.264	-8.706	53.970	AVERAGE
2	*	4850.000	-5.369	56.310	50.941	-3.029	53.970	AVERAGE
3		6700.000	-3.655	41.830	38.175	-15.795	53.970	AVERAGE

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 19:03
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : EchoLife HG552a	Probe : VERTICAL
Power : AC 120V/60Hz	Note :Mode 2: Transmit by 802.11b 2437MHz



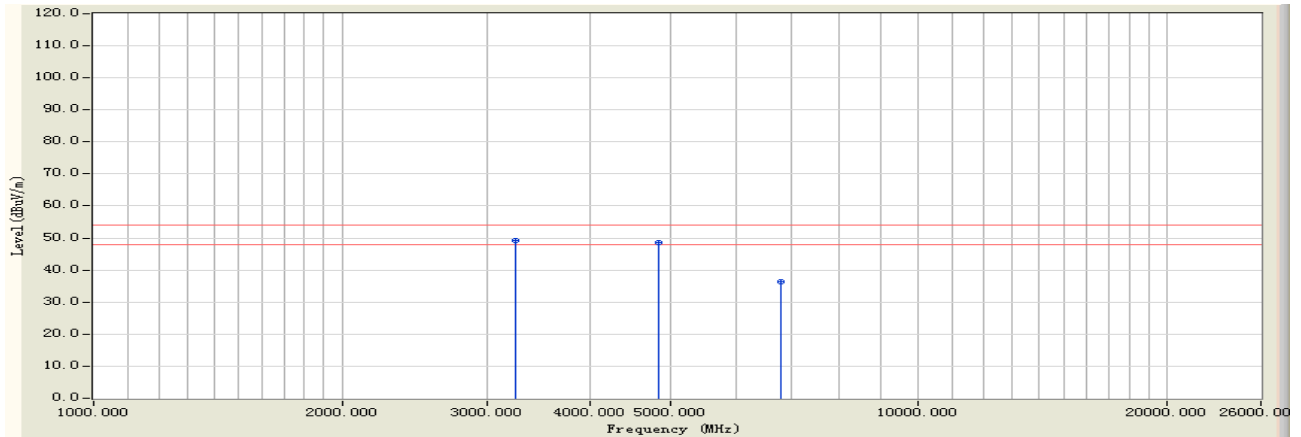
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	67.111	54.855	-19.115	73.970	PEAK
2	*	4850.000	-5.369	62.670	57.301	-16.669	73.970	PEAK
3		6800.000	-3.340	46.645	43.305	-30.665	73.970	PEAK

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 19:07
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : EchoLife HG552a	Probe : VERTICAL
Power : AC 120V/60Hz	Note :Mode 2: Transmit by 802.11b 2437MHz



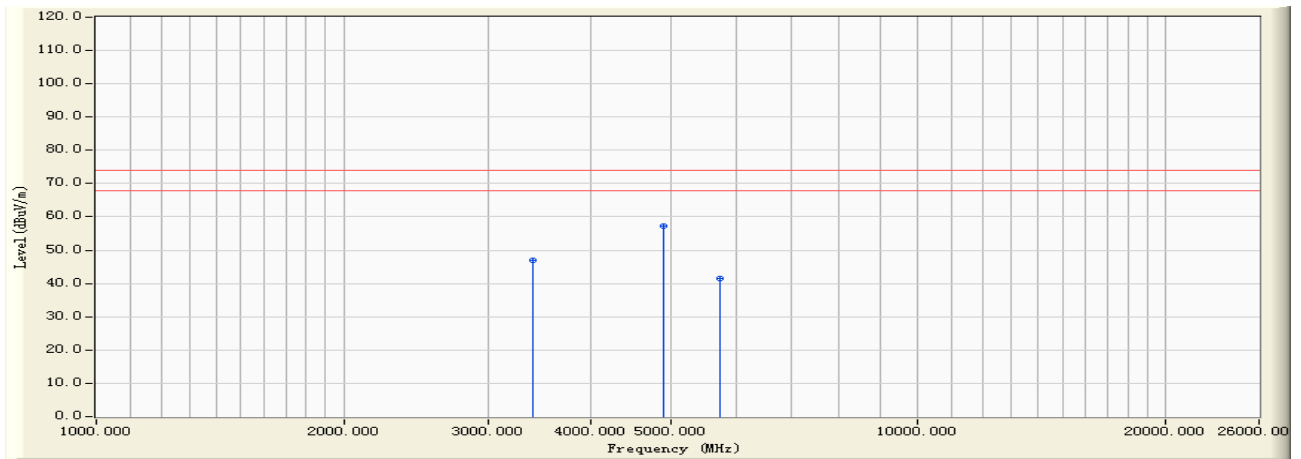
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	3250.000	-12.256	61.520	49.264	-4.706	53.970	AVERAGE
2		4850.000	-5.369	53.920	48.551	-5.419	53.970	AVERAGE
3		6800.000	-3.340	39.620	36.280	-17.690	53.970	AVERAGE

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 19:12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : EchoLife HG552a	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note :Mode 3: Transmit by 802.11b 2462MHz



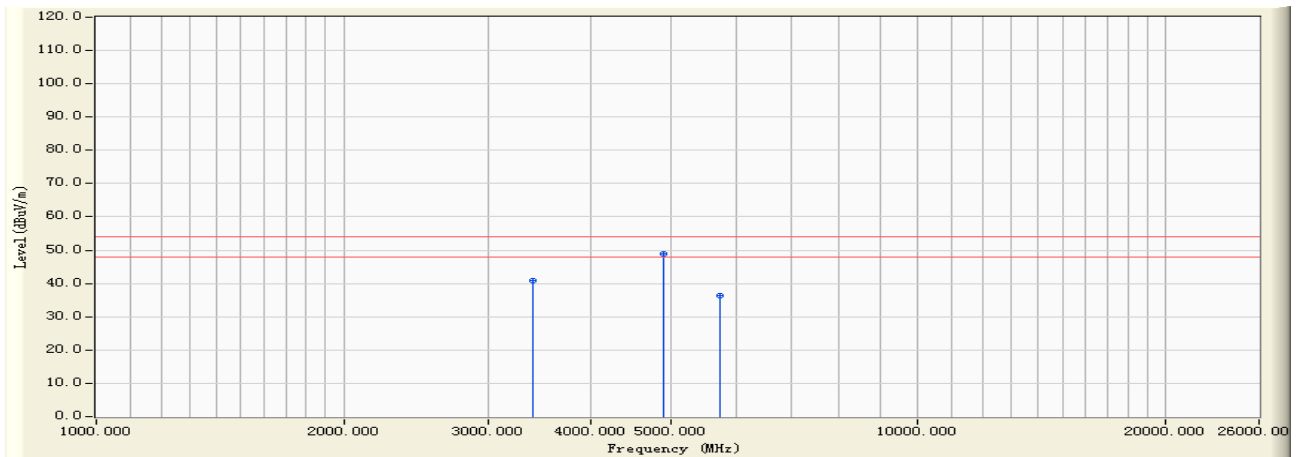
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3400.000	-12.165	59.018	46.853	-27.117	73.970	PEAK
2	*	4900.000	-5.338	62.680	57.342	-16.628	73.970	PEAK
3		5750.000	-6.336	47.776	41.441	-32.529	73.970	PEAK

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 19:15
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : EchoLife HG552a	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note :Mode 3: Transmit by 802.11b 2462MHz



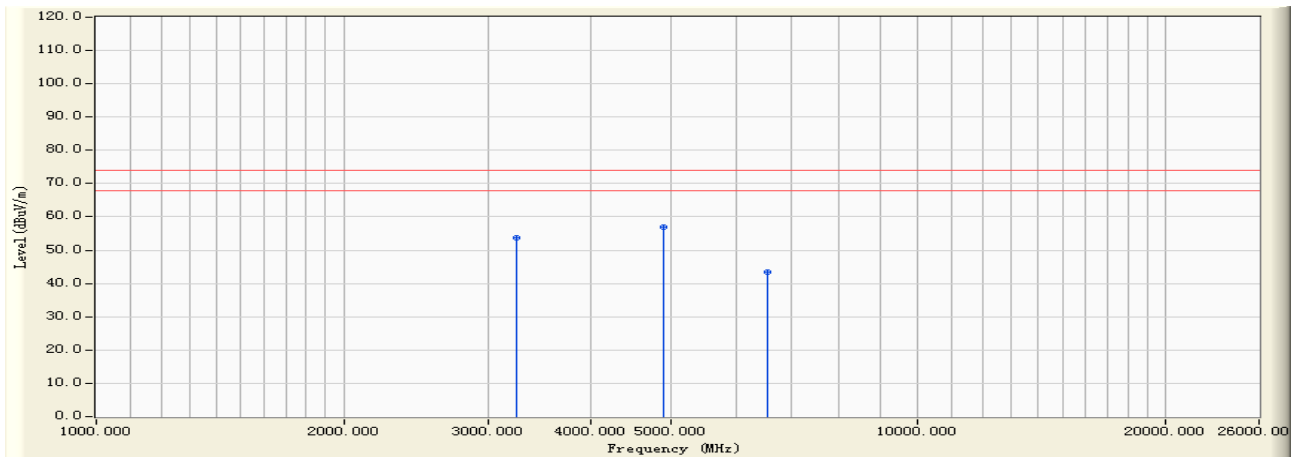
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3400.000	-12.165	52.950	40.785	-13.185	53.970	AVERAGE
2	*	4900.000	-5.338	54.360	49.022	-4.948	53.970	AVERAGE
3		5750.000	-6.336	42.650	36.315	-17.655	53.970	AVERAGE

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 19:21
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : EchoLife HG552a	Probe : VERTICAL
Power : AC 120V/60Hz	Note :Mode 3: Transmit by 802.11b 2462MHz



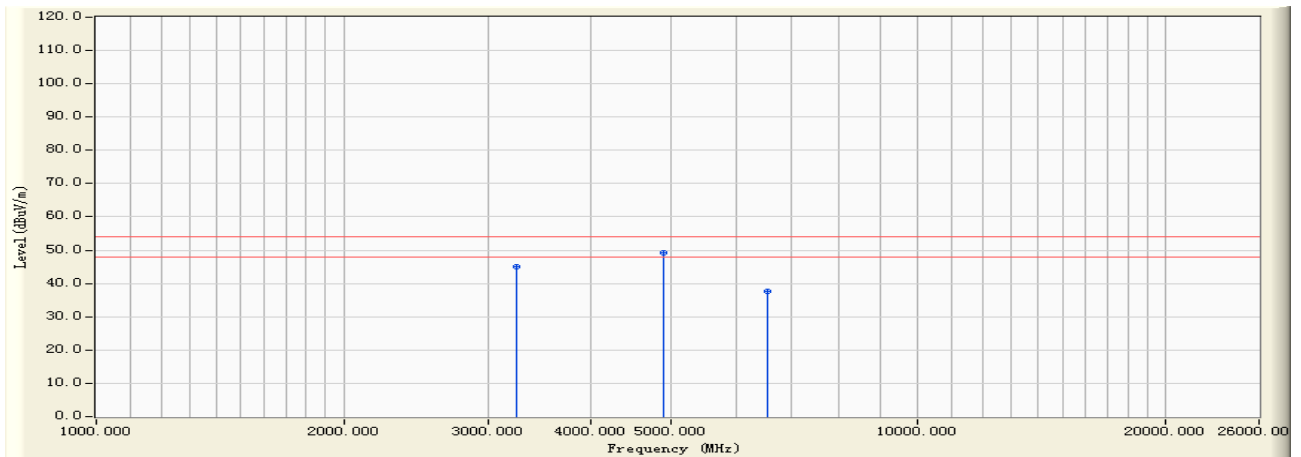
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	66.135	53.879	-20.091	73.970	PEAK
2	*	4900.000	-5.338	62.122	56.784	-17.186	73.970	PEAK
3		6550.000	-4.003	47.402	43.399	-30.571	73.970	PEAK

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 19:23
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : EchoLife HG552a	Probe : VERTICAL
Power : AC 120V/60Hz	Note :Mode 3: Transmit by 802.11b 2462MHz



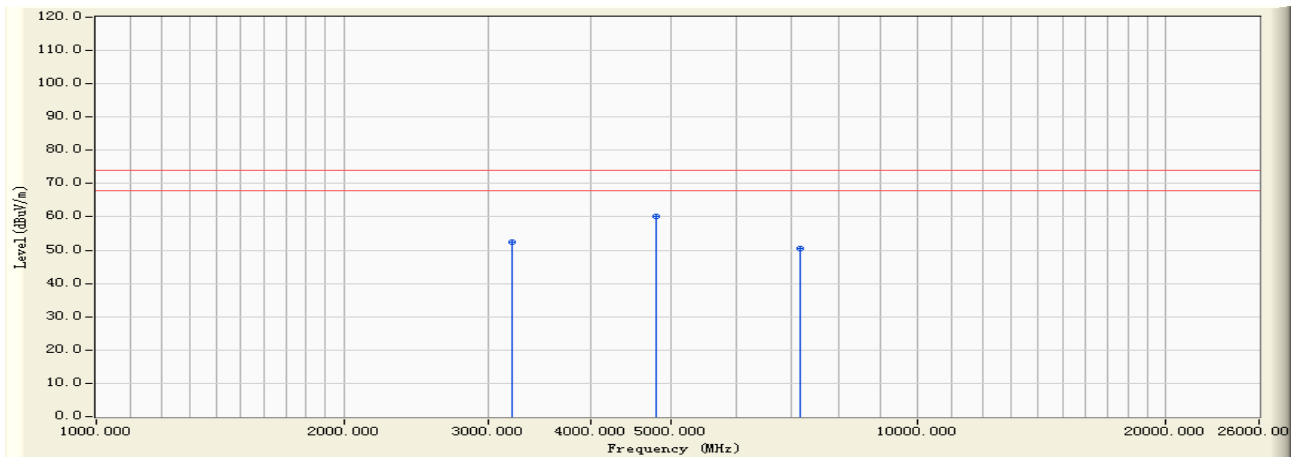
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	57.250	44.994	-8.976	53.970	AVERAGE
2	*	4900.000	-5.338	54.680	49.342	-4.628	53.970	AVERAGE
3		6550.000	-4.003	41.770	37.767	-16.203	53.970	AVERAGE

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 19:30
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : EchoLife HG552a	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note :Mode 4: Transmit by 802.11g 2412MHz



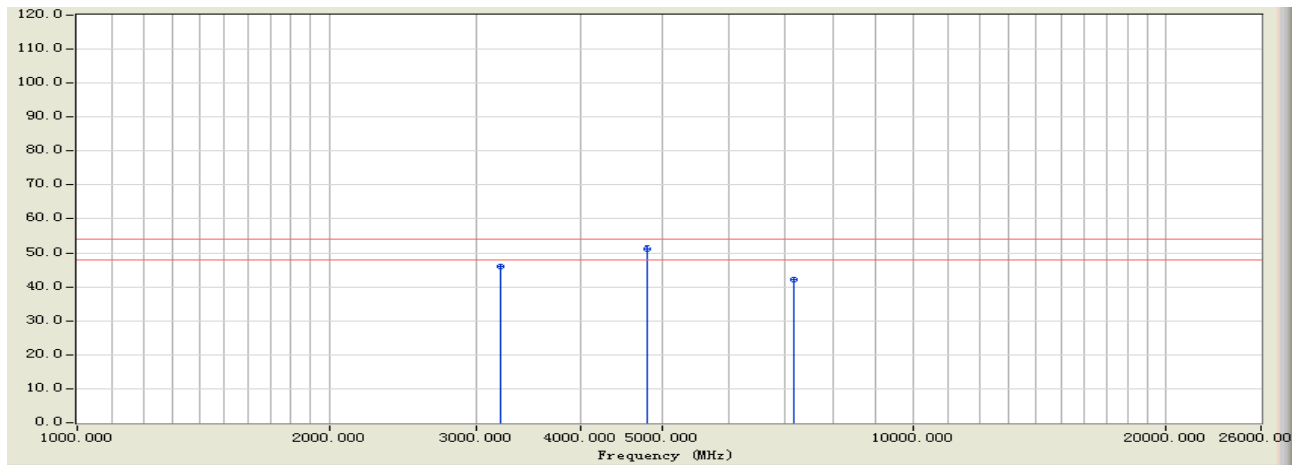
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3200.000	-12.285	64.591	52.306	-21.664	73.970	PEAK
2	*	4800.000	-5.389	65.409	60.020	-13.950	73.970	PEAK
3		7200.000	-1.672	52.079	50.407	-23.563	73.970	PEAK

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 19:33
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : EchoLife HG552a	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note :Mode 4: Transmit by 802.11g 2412MHz



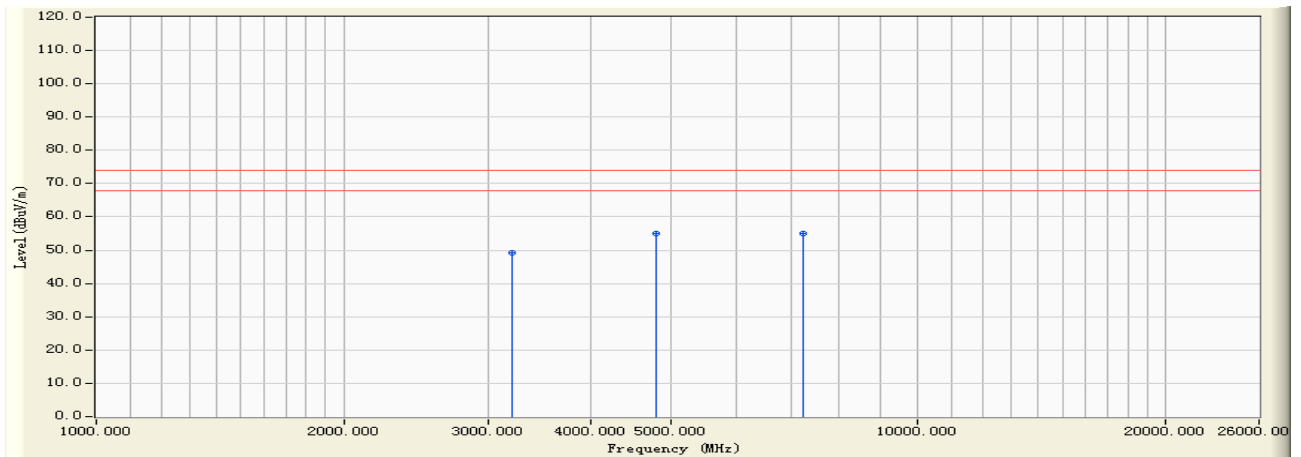
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3200.000	-12.285	58.330	46.045	-7.925	53.970	AVERAGE
2	*	4800.000	-5.389	56.390	51.001	-2.969	53.970	AVERAGE
3		7200.000	-1.672	43.680	42.008	-11.962	53.970	AVERAGE

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 19:38
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : EchoLife HG552a	Probe : VERTICAL
Power : AC 120V/60Hz	Note :Mode 4: Transmit by 802.11g 2412MHz



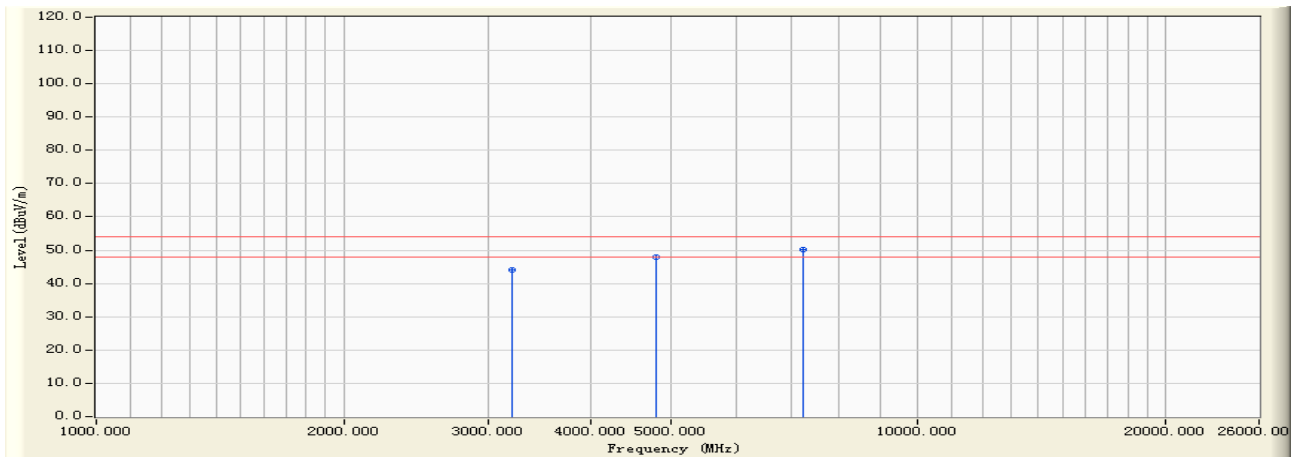
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3200.000	-12.285	61.543	49.258	-24.712	73.970	PEAK
2		4800.000	-5.389	60.261	54.872	-19.098	73.970	PEAK
3	*	7250.000	-1.791	56.800	55.008	-18.962	73.970	PEAK

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 19:42
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : EchoLife HG552a	Probe : VERTICAL
Power : AC 120V/60Hz	Note :Mode 4: Transmit by 802.11g 2412MHz



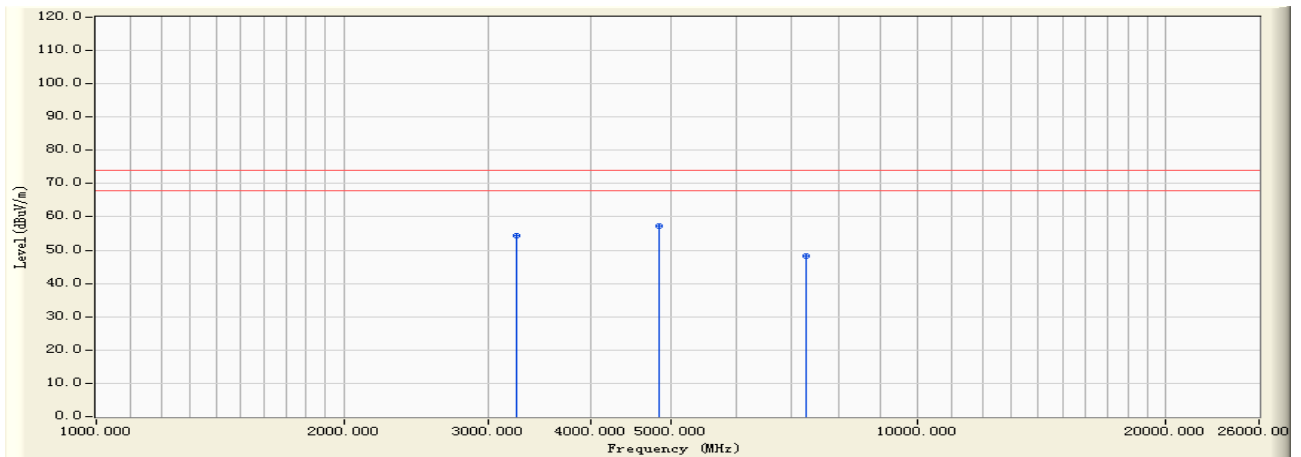
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3200.000	-12.285	56.380	44.095	-9.875	53.970	AVERAGE
2		4800.000	-5.389	53.240	47.851	-6.119	53.970	AVERAGE
3	*	7250.000	-1.791	51.870	50.078	-3.892	53.970	AVERAGE

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 19:48
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : EchoLife HG552a	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note :Mode 5: Transmit by 802.11g 2437MHz



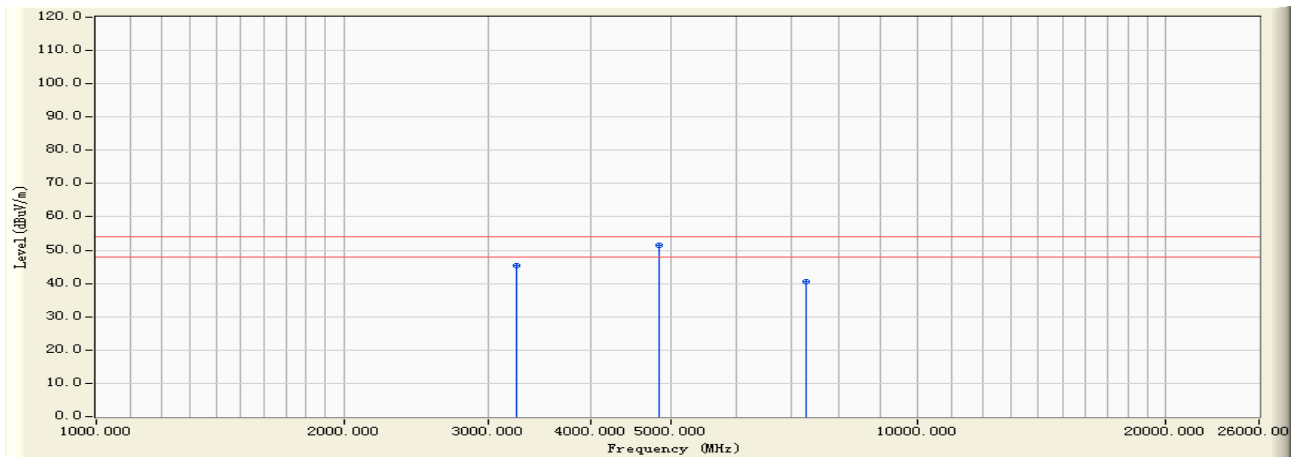
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	66.714	54.458	-19.512	73.970	PEAK
2	*	4850.000	-5.369	62.562	57.193	-16.777	73.970	PEAK
3		7300.000	-1.888	50.109	48.221	-25.749	73.970	PEAK

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 19:52
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : EchoLife HG552a	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note :Mode 5: Transmit by 802.11g 2437MHz



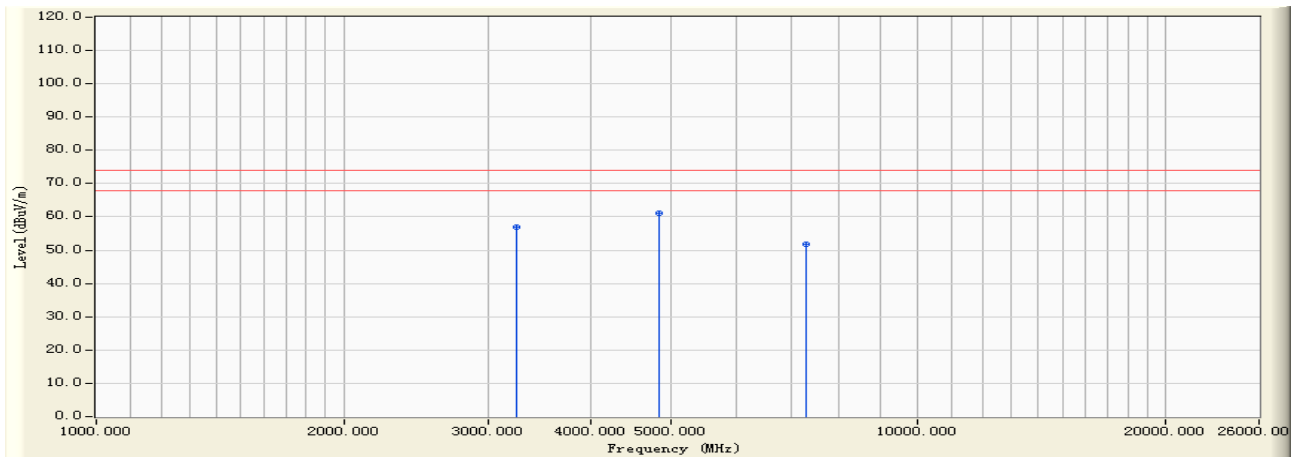
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	57.680	45.424	-8.546	53.970	AVERAGE
2	*	4850.000	-5.369	56.820	51.451	-2.519	53.970	AVERAGE
3		7300.000	-1.888	42.340	40.452	-13.518	53.970	AVERAGE

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 19:57
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : EchoLife HG552a	Probe : VERTICAL
Power : AC 120V/60Hz	Note :Mode 5: Transmit by 802.11g 2437MHz



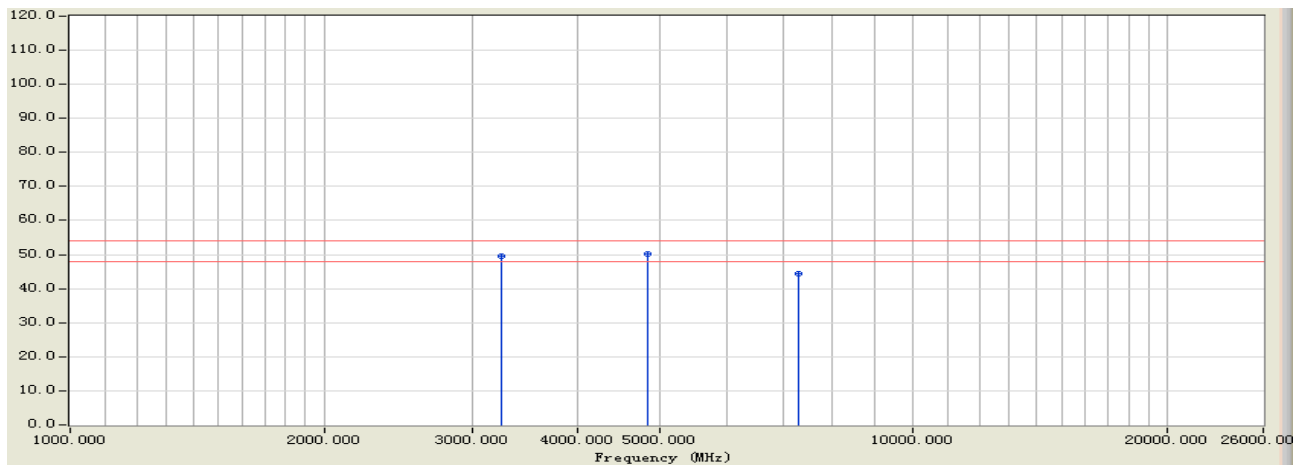
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	69.083	56.827	-17.143	73.970	PEAK
2	*	4850.000	-5.369	66.346	60.977	-12.993	73.970	PEAK
3		7300.000	-1.888	53.529	51.641	-22.329	73.970	PEAK

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 20:02
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : EchoLife HG552a	Probe : VERTICAL
Power : AC 120V/60Hz	Note :Mode 5: Transmit by 802.11g 2437MHz



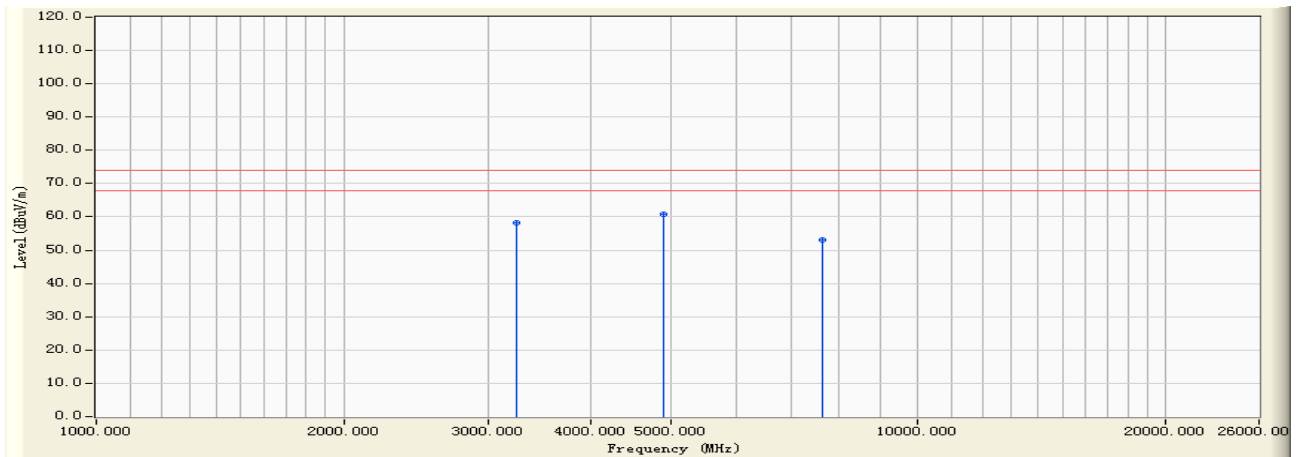
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	61.820	49.564	-4.406	53.970	AVERAGE
2	*	4850.000	-5.369	55.640	50.271	-3.699	53.970	AVERAGE
3		7300.000	-1.888	46.370	44.482	-9.488	53.970	AVERAGE

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 20:06
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : EchoLife HG552a	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note :Mode 6: Transmit by 802.11g 2462MHz



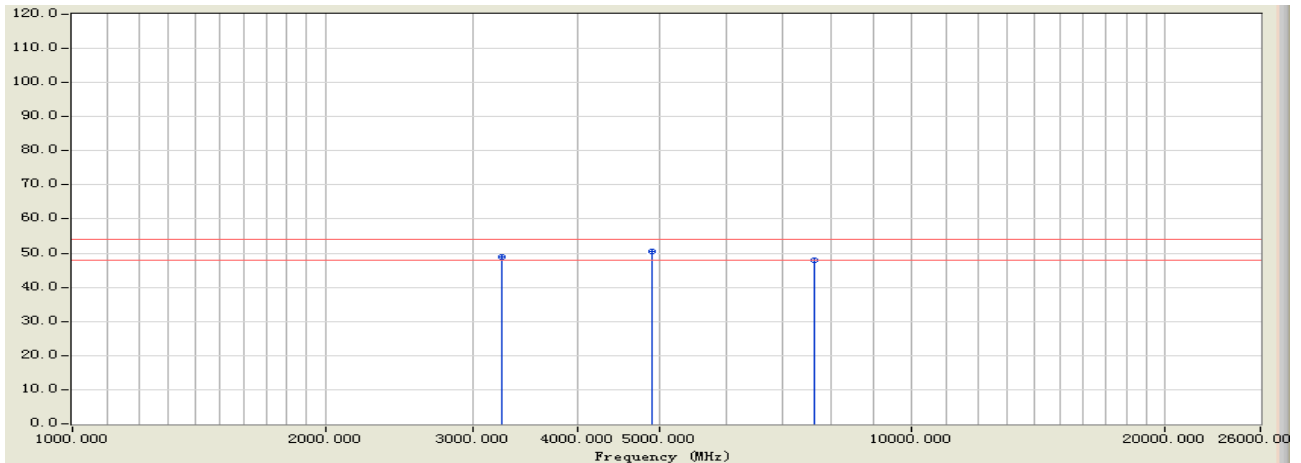
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	70.330	58.074	-15.896	73.970	PEAK
2	*	4900.000	-5.338	66.019	60.681	-13.289	73.970	PEAK
3		7650.000	-1.195	54.364	53.169	-20.801	73.970	PEAK

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 20:11
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : EchoLife HG552a	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note :Mode 6: Transmit by 802.11g 2462MHz



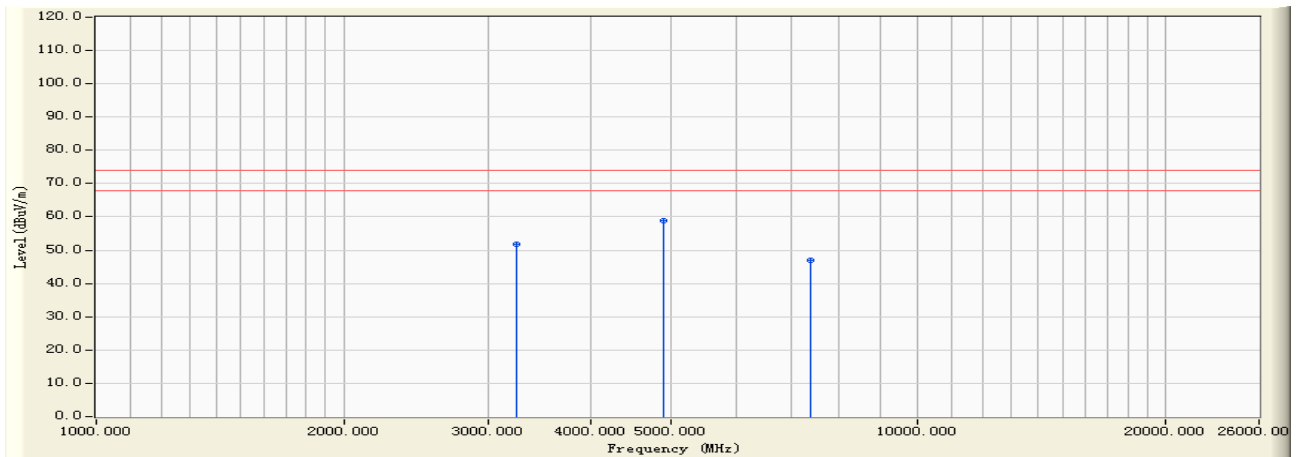
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	61.240	48.984	-4.986	53.970	AVERAGE
2	*	4900.000	-5.338	55.680	50.342	-3.628	53.970	AVERAGE
3		7650.000	-1.195	49.280	48.085	-5.885	53.970	AVERAGE

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 20:16
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : EchoLife HG552a	Probe : VERTICAL
Power : AC 120V/60Hz	Note :Mode 6: Transmit by 802.11g 2462MHz



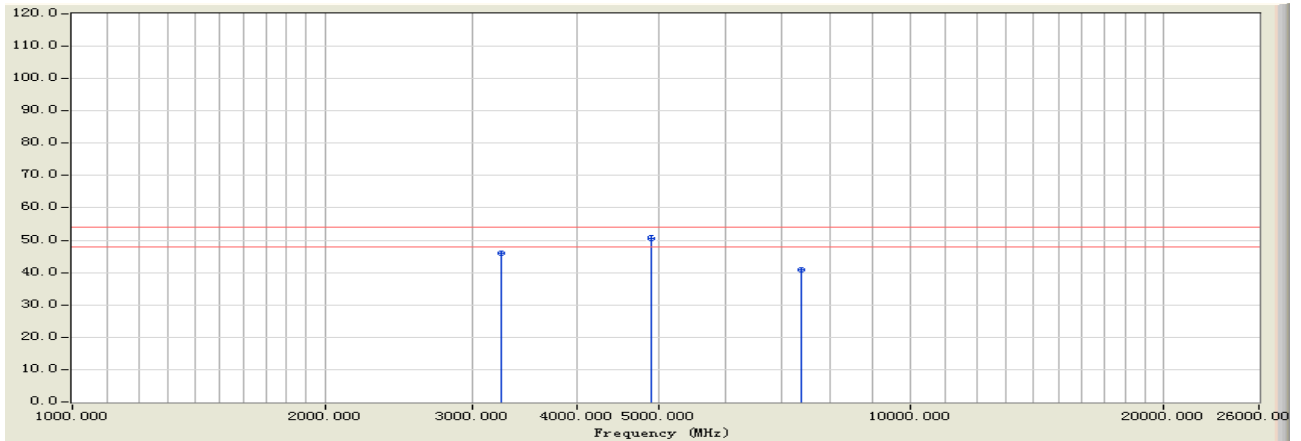
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	64.186	51.930	-22.040	73.970	PEAK
2	*	4900.000	-5.338	64.073	58.735	-15.235	73.970	PEAK
3		7400.000	-2.131	49.155	47.024	-26.946	73.970	PEAK

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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 20:20
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : EchoLife HG552a	Probe : VERTICAL
Power : AC 120V/60Hz	Note :Mode 6: Transmit by 802.11g 2462MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	58.420	46.164	-7.806	53.970	AVERAGE
2	*	4900.000	-5.338	56.650	51.312	-2.658	53.970	AVERAGE
3		7400.000	-2.131	42.840	40.709	-13.261	53.970	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. Occupied Bandwidth

5.1. Test Limit

Systems using digital modulation techniques may operate in the 902 - 928 MHz, 2400 - 2483.5 MHz, and 5725- 5850 MHz band.

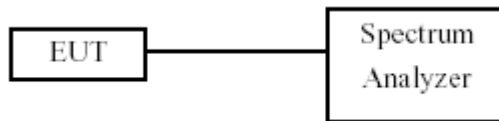
The minimum 6 dB bandwidth shall be at least 500 kHz.

5.2. Test 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	2008.09.28
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2008.10.10

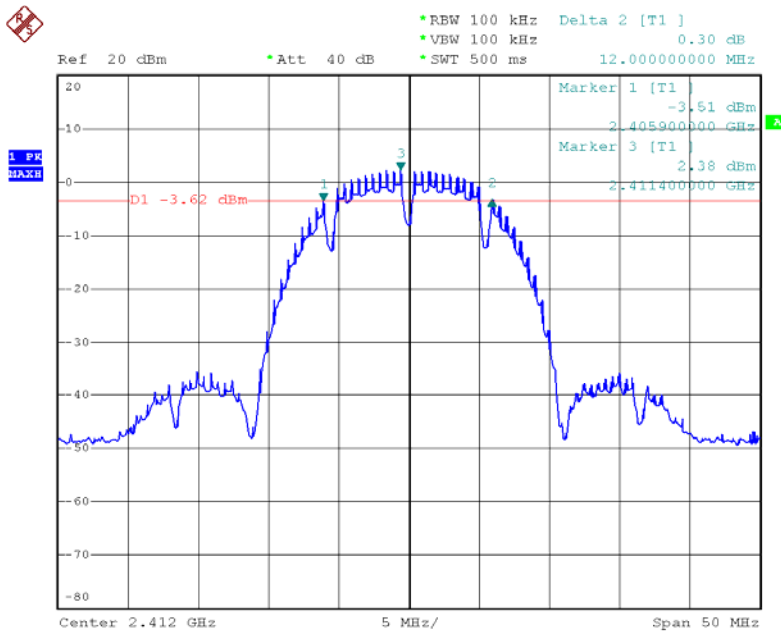


5.5. Test Result and Data

Test Item	Occupied Bandwidth
Test Mode	Mode 1: Transmit by 802.11b
Test Date	2009-07-02

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	12000	500	Pass
06	2437	12100	500	Pass
11	2462	12000	500	Pass

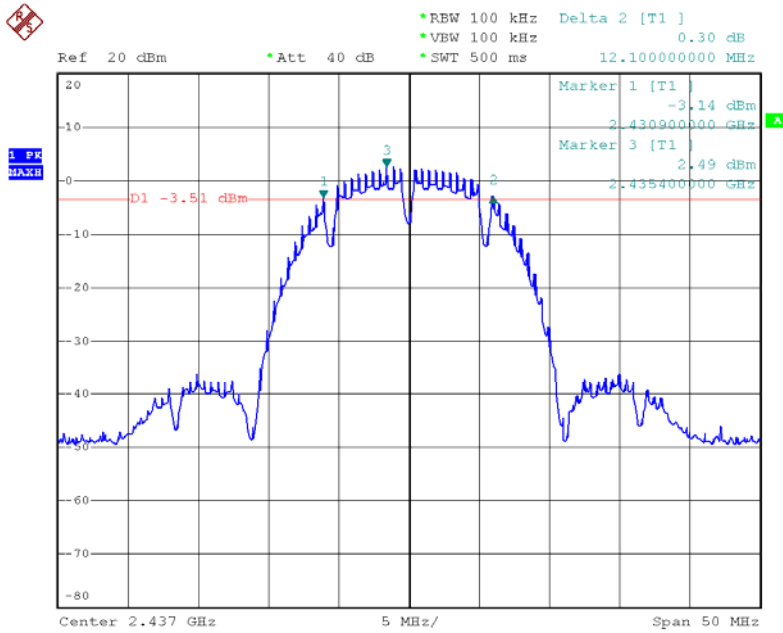
Channel 01 (2412MHz)



Date: 2.JUL.2009 12:54:10

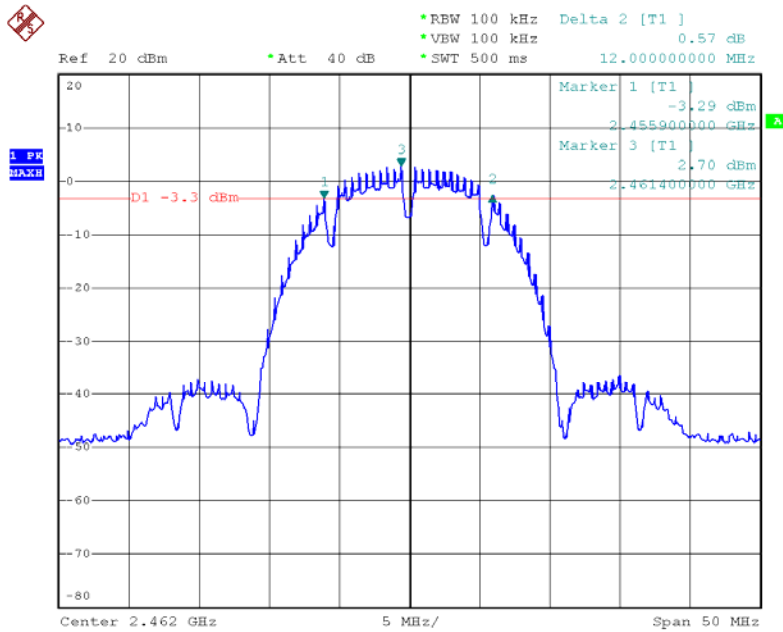


Channel 06 (2437MHz)



Date: 2.JUL.2009 12:55:19

Channel 11 (2462MHz)

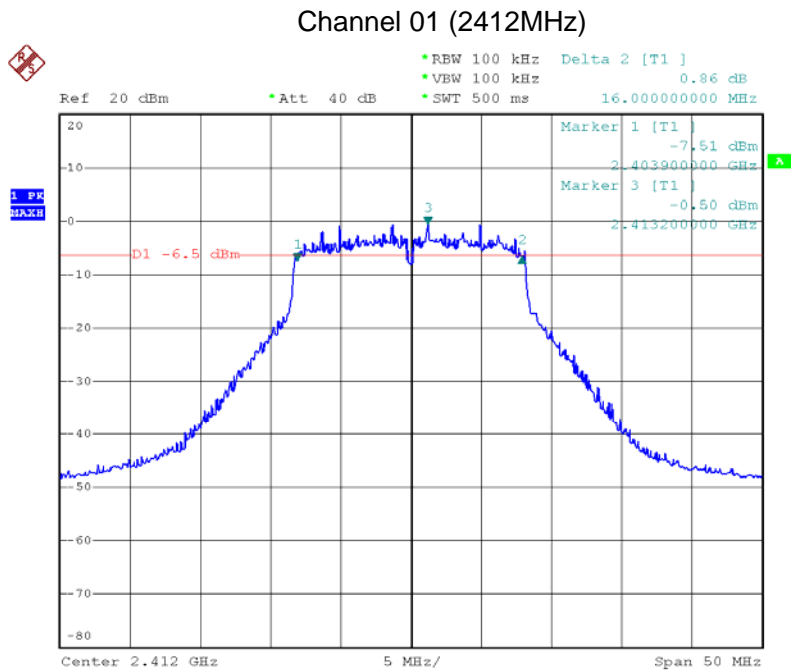


Date: 2.JUL.2009 12:56:46



Test Item	Occupied Bandwidth
Test Mode	Mode 2: Transmit by 802.11g
Test Date	2009-07-03

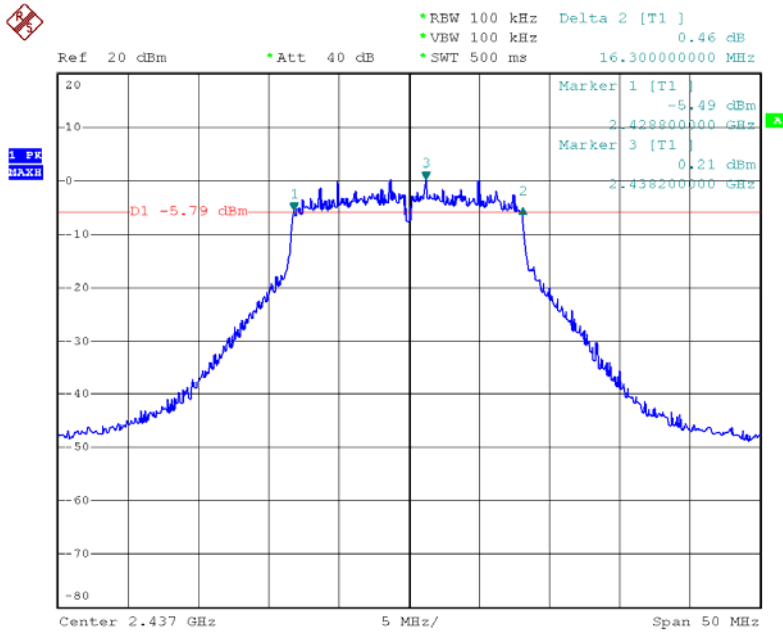
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	16000	500	Pass
06	2437	16300	500	Pass
11	2462	16300	500	Pass



Date: 3.JAN.2001 03:17:06

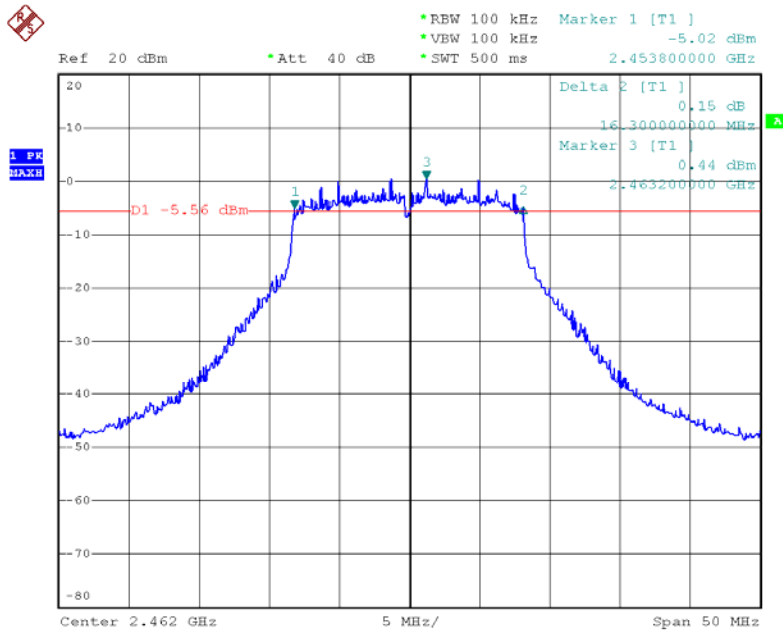


Channel 06 (2437MHz)



Date: 2.JUL.2009 12:51:24

Channel 11 (2462MHz)



Date: 2.JUL.2009 12:46:04



6. Maximum Peak Output Power

6.1. Test 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. Test 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.

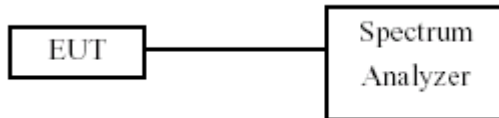
As "T" \geq sweep time, the test procedure will be used as following:

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1 MHz.
3. Set VBW \geq 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	2008.09.28
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2008.10.10

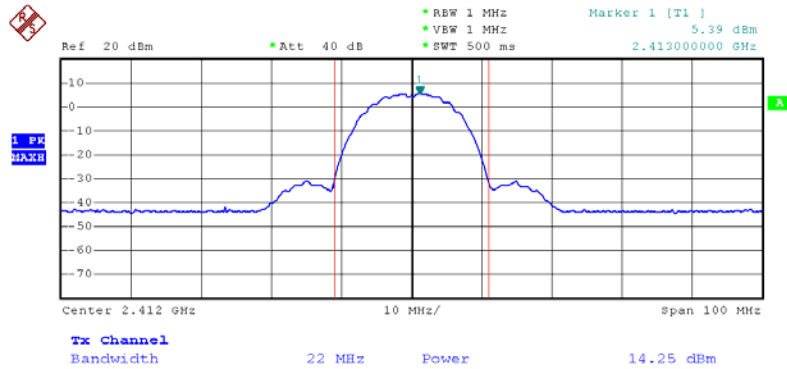


6.5. Test Result and Data

Test Item	Maximum Peak Output Power
Test Mode	Mode 1: Transmit by 802.11b
Test Date	2009-07-03

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit (dBm)	Result
01	2412	14.25	30 dBm	Pass
06	2437	14.29	30 dBm	Pass
11	2462	14.47	30 dBm	Pass

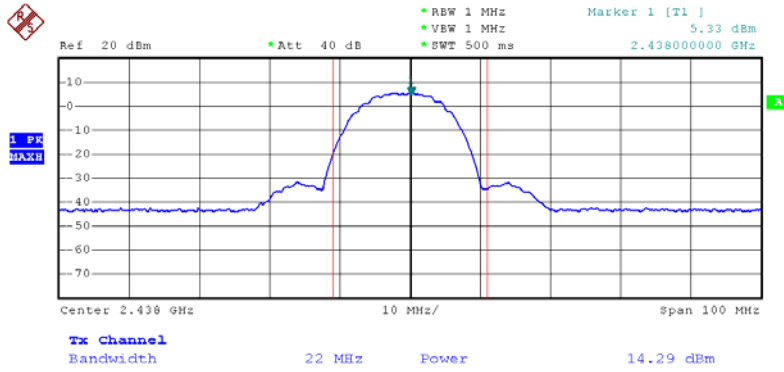
Channel 01 (2412MHz)



Date: 3.JAN.2001 02:48:18

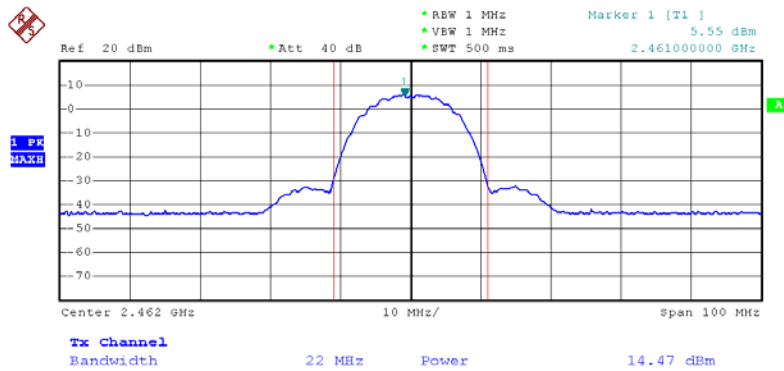


Channel 06 (2437MHz)



Date: 3.JAN.2001 02:51:33

Channel 11 (2462MHz)



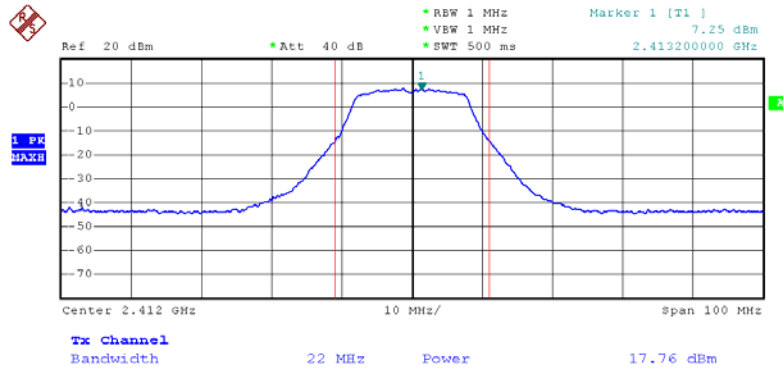
Date: 3.JAN.2001 02:53:30



Test Item	Maximum Peak Output Power
Test Mode	Mode 2: Transmit by 802.11g
Test Date	2009-07-03

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit (dBm)	Result
01	2412	17.76	30 dBm	Pass
06	2437	18.04	30 dBm	Pass
11	2462	18.37	30 dBm	Pass

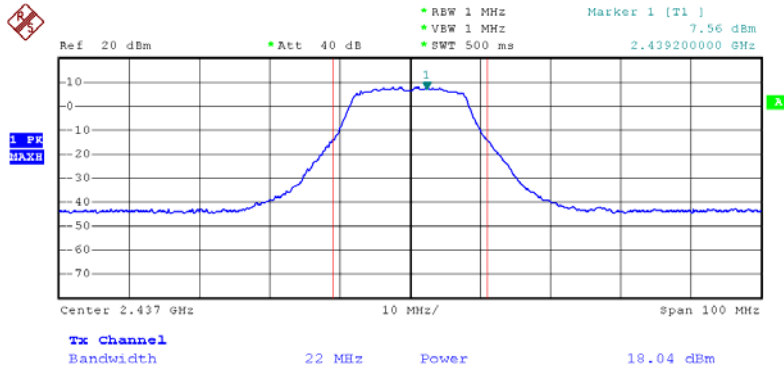
Channel 01 (2412MHz)



Date: 3.JAN.2001 02:58:56

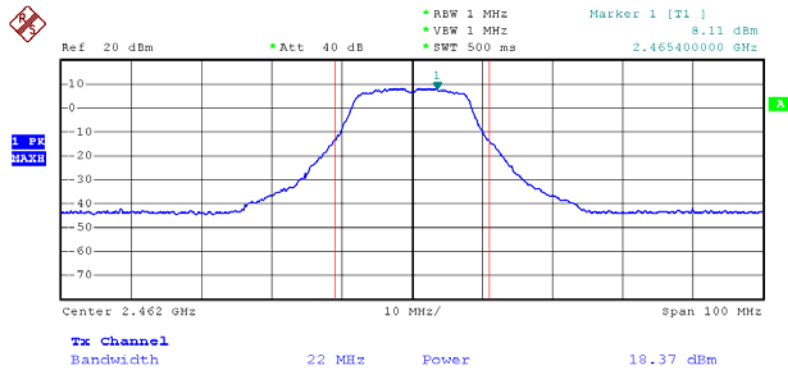


Channel 06 (2437MHz)



Date: 3.JAN.2001 02:58:00

Channel 11 (2462MHz)



Date: 3.JAN.2001 02:56:44



7. Band Edges

7.1. Test 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. Test 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.

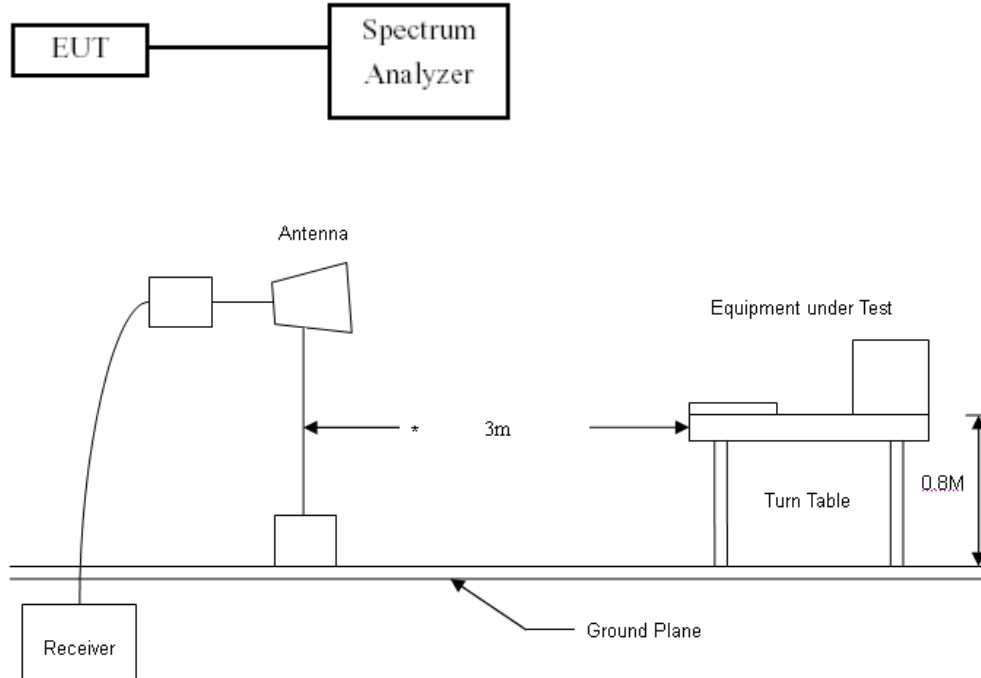
The spectrum from 30MHz to 26GHz is investigated with the transmitter set to the lowest, middle and highest channels in the 2.4GHz band.

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



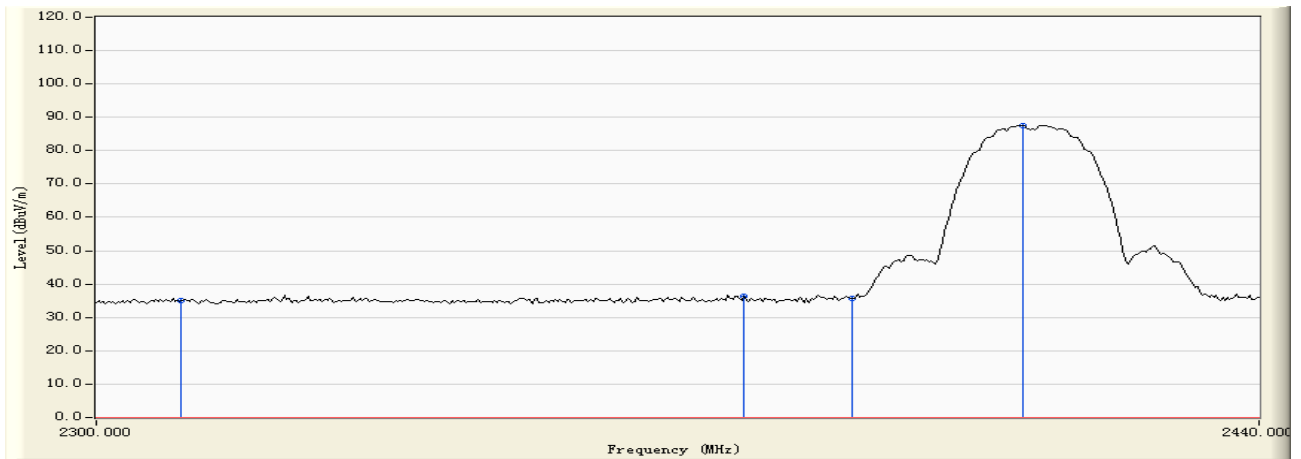
7.4. Measurement Equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date
Spectrum Analyzer	R&S	FSP40	100324	2008.09.28
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2008.10.10
Preamplifier	Agilent	87405B	My39500553	2008.08.02
Preamplifier	R&S	PR-AMP26	1248791	2009.06.23
Ultra Broadband Antenna	Schwarzbeck	BBHA9120D	100363	2008.09.26
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2008.10.10



7.5. Test Result and Data

Engineer : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 16:24
EUT : EchoLife HG552a	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11b 2412MHz



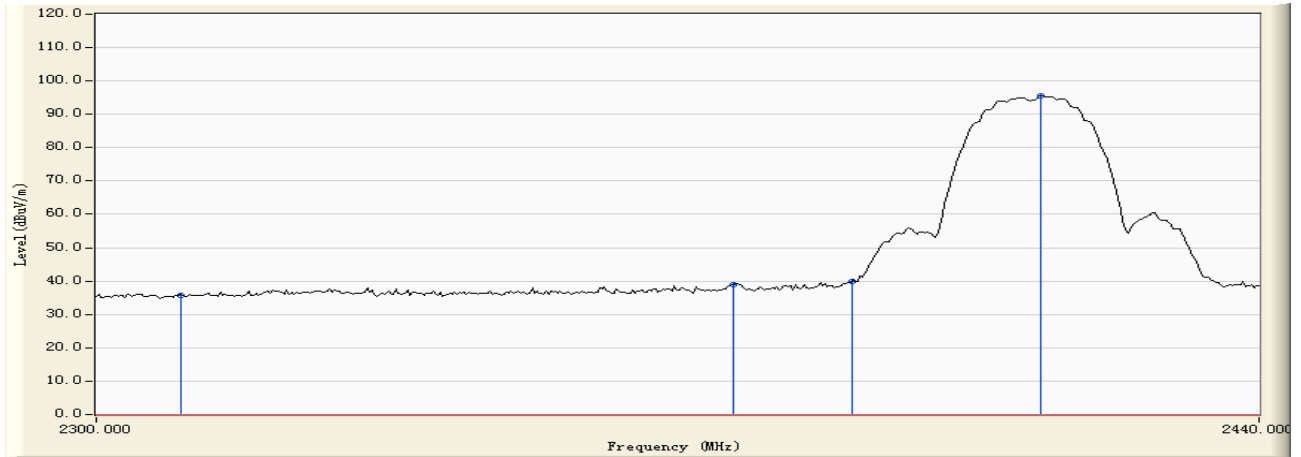
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-13.868	48.862	34.994	-38.976	73.970	PEAK
2		2377.000	-13.608	49.874	36.266	-37.704	73.970	PEAK
3		2390.000	-13.552	49.245	35.693	-38.277	73.970	PEAK
4	*	2410.880	-13.461	101.031	87.570	13.600	73.970	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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 16:19
EUT : EchoLife HG552a	Probe : VERTICAL
Power : AC 120V/60Hz	Note : Transmit by 802.11b 2412MHz



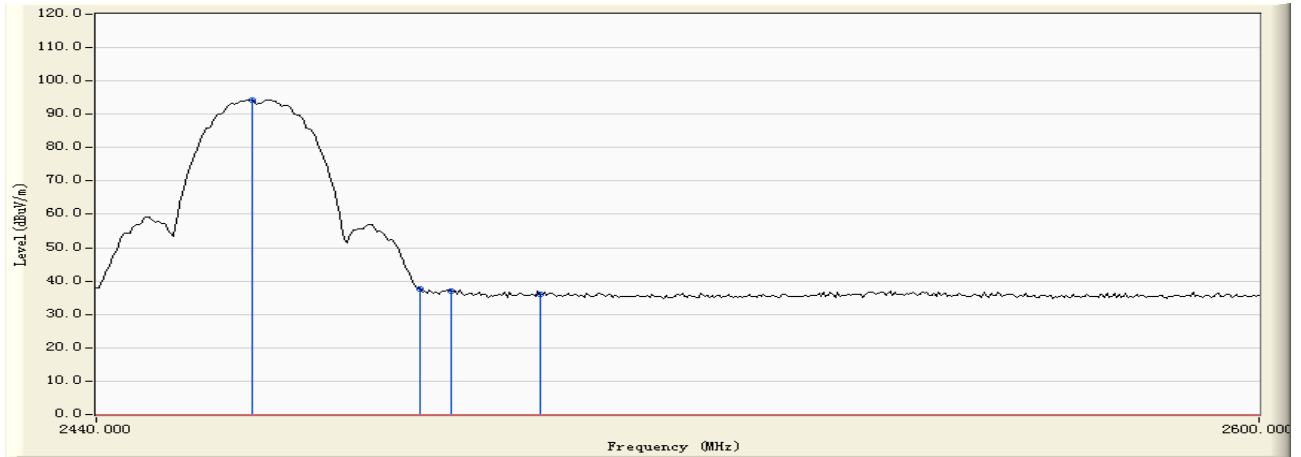
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-13.868	49.570	35.702	-38.268	73.970	PEAK
2		2375.600	-13.615	52.566	38.952	-35.018	73.970	PEAK
3		2390.000	-13.552	53.392	39.840	-34.130	73.970	PEAK
4	*	2413.120	-13.452	108.913	95.461	21.491	73.970	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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 16:12
EUT : EchoLife HG552a	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11b 2462MHz



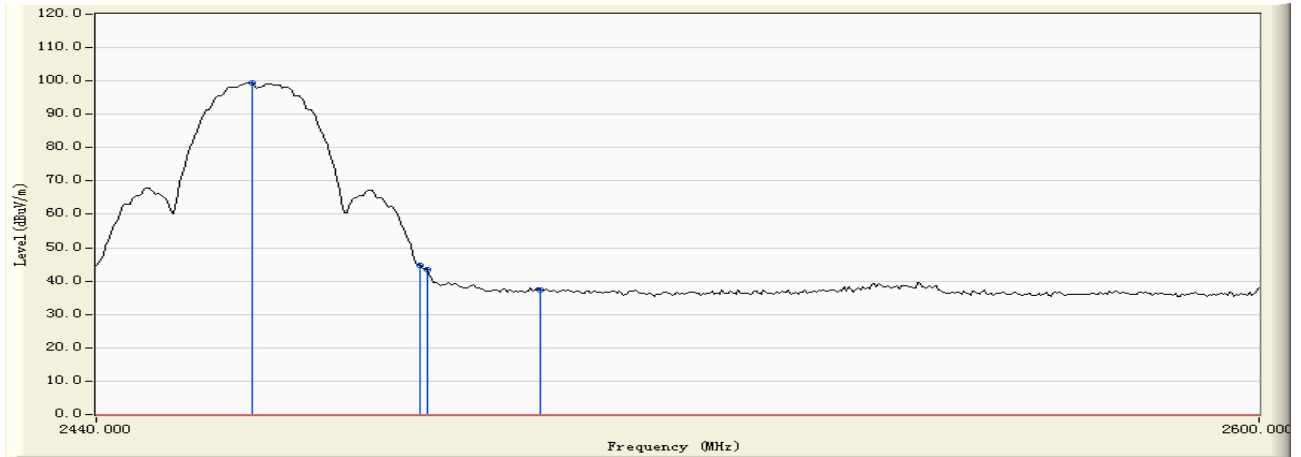
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.800	-13.254	107.663	94.409	20.439	73.970	PEAK
2		2483.500	-13.158	50.721	37.562	-36.408	73.970	PEAK
3		2487.680	-13.139	50.205	37.066	-36.904	73.970	PEAK
4		2500.000	-13.090	49.012	35.922	-38.048	73.970	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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 16:15
EUT : EchoLife HG552a	Probe : VERTICAL
Power : AC 120V/60Hz	Note : Transmit by 802.11b 2462MHz



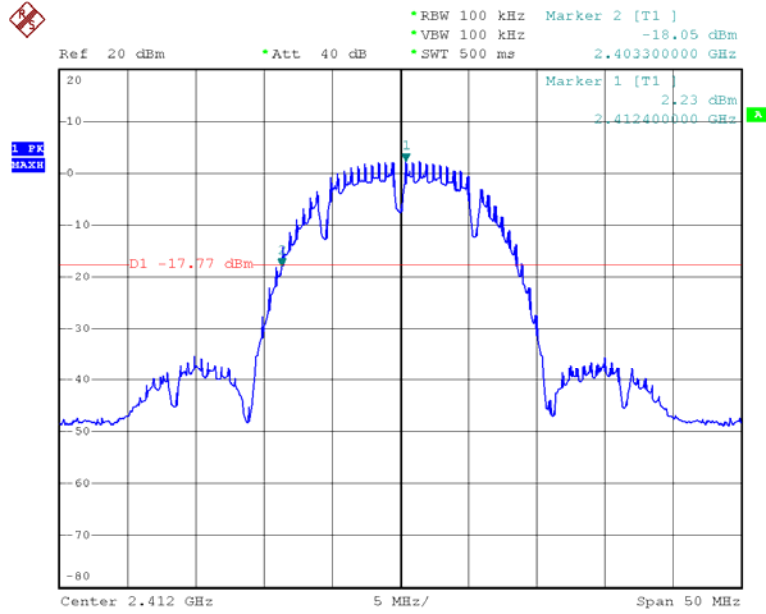
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.800	-13.254	112.574	99.320	25.35	73.970	PEAK
2		2483.500	-13.158	58.024	44.865	-29.105	73.970	PEAK
3		2484.480	-13.155	56.469	43.314	-30.656	73.970	PEAK
4		2500.000	-13.090	50.459	37.369	-36.601	73.970	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

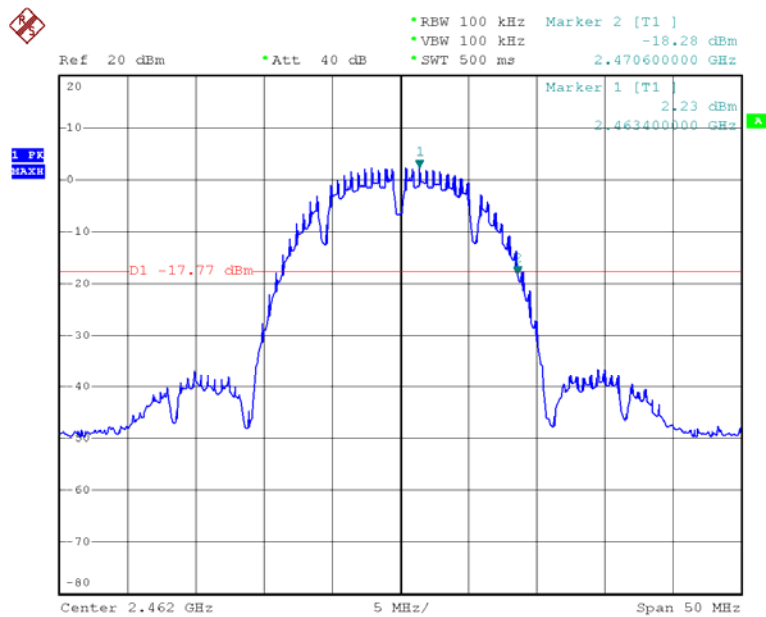


Band Edge (20dBc RF Conducted Measurement) Mode 1: Transmit by 802.11b (2412MHz)



Date: 2.JUL.2009 13:37:28

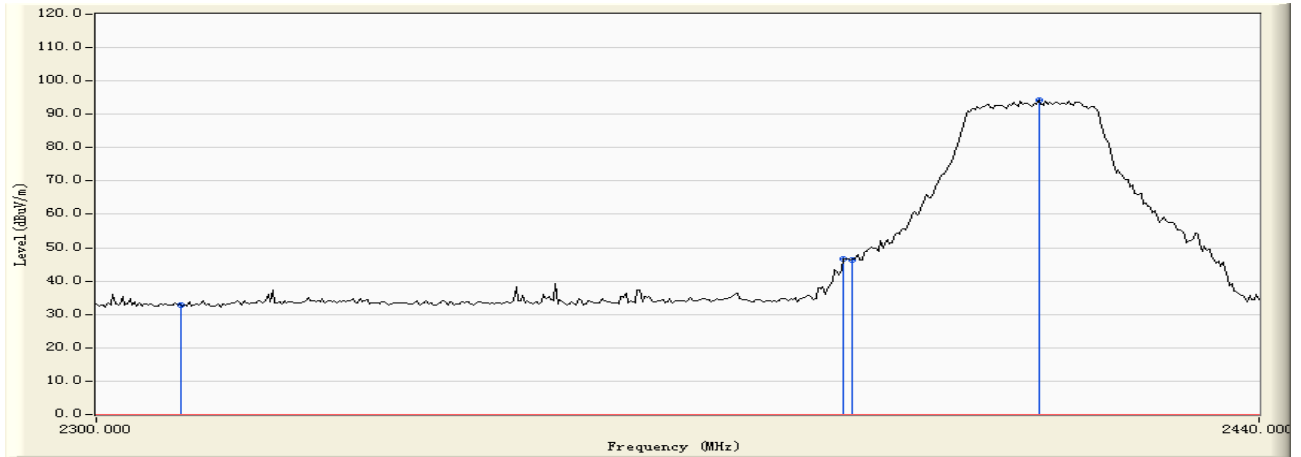
Band Edge (20dBc RF Conducted Measurement) Mode 3: Transmit by 802.11b (2462MHz)



Date: 2.JUL.2009 13:38:19



Engineer : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 15:54
EUT : EchoLife HG552a	Probe : BBHA9120D(1000-18000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11g 2412MHz



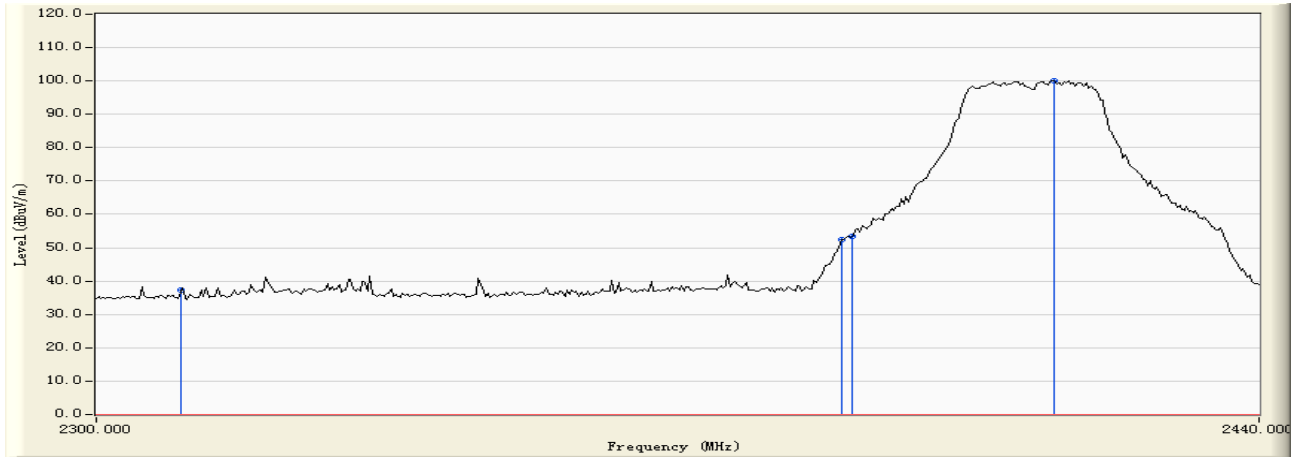
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-13.868	46.657	32.789	-41.181	73.970	PEAK
2		2389.040	-13.557	60.309	46.753	-27.217	73.970	PEAK
3		2390.000	-13.552	59.983	46.431	-27.539	73.970	PEAK
4	*	2412.840	-13.453	107.738	94.285	20.315	73.970	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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 15:57
EUT : EchoLife HG552a	Probe : BBHA9120D(1000-18000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit by 802.11g 2412MHz



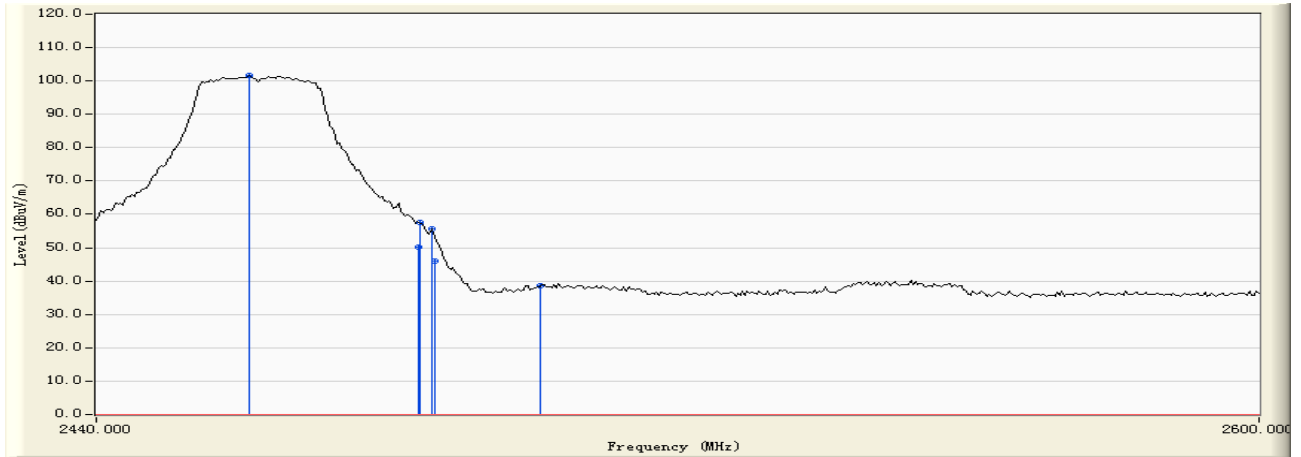
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-13.868	51.188	37.320	-36.65	73.970	PEAK
2		2388.760	-13.557	65.965	52.408	-21.560	73.970	PEAK
3		2390.000	-13.552	66.964	53.412	-20.558	73.970	PEAK
4	*	2414.800	-13.443	113.615	100.172	26.202	73.970	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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 16:05
EUT : EchoLife HG552a	Probe : BBHA9120D(1000-18000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Transmit by 802.11g 2462MHz



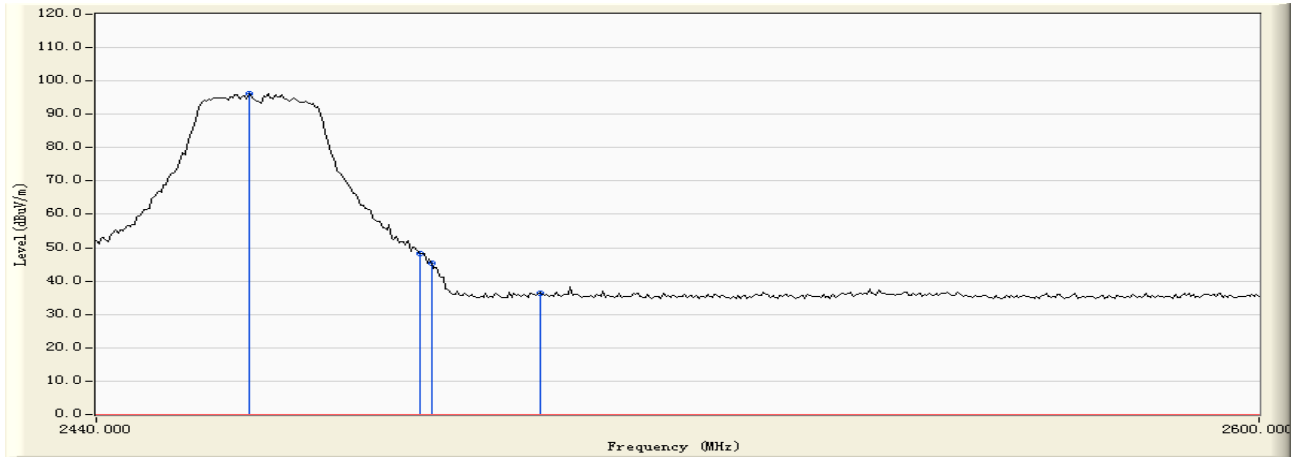
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.480	-13.255	115.053	101.797	27.827	73.970	PEAK
2		2483.280	-13.160	62.480	49.320	-4.65	53.970	AVERAGE
3		2483.500	-13.158	70.604	57.445	-16.525	73.970	PEAK
4		2485.120	-13.152	68.743	55.591	-18.379	73.970	PEAK
5		2485.640	-13.150	59.240	46.090	-7.88	53.970	AVERAGE
6		2500.000	-13.090	51.732	38.642	-37.328	73.970	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 : Ben	
Site : EMC Lab AC102	Time : 2009/07/02 - 16:10
EUT : EchoLife HG552a	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note : Transmit by 802.11g 2462MHz



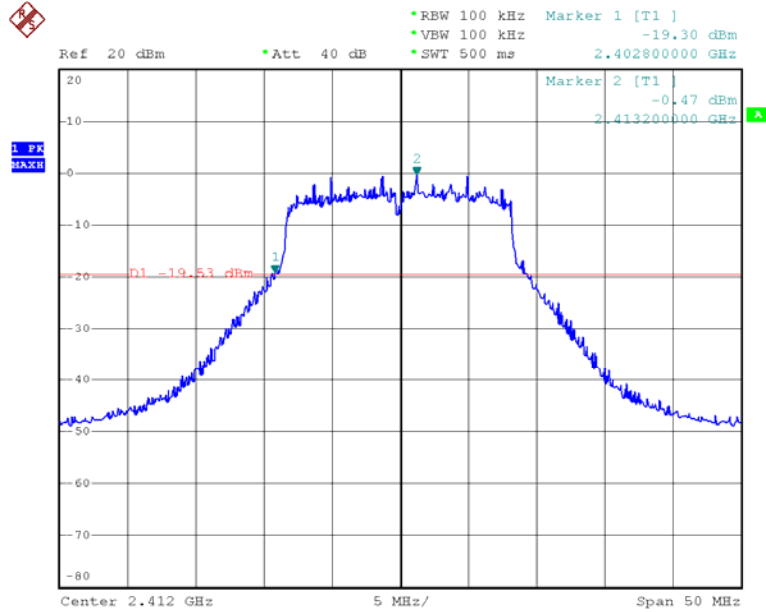
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.480	-13.255	109.552	96.296	22.326	73.970	PEAK
2		2483.500	-13.158	61.397	48.238	-25.732	73.970	PEAK
3		2485.120	-13.152	58.463	45.311	-28.659	73.970	PEAK
4		2500.000	-13.090	49.372	36.282	-37.688	73.970	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

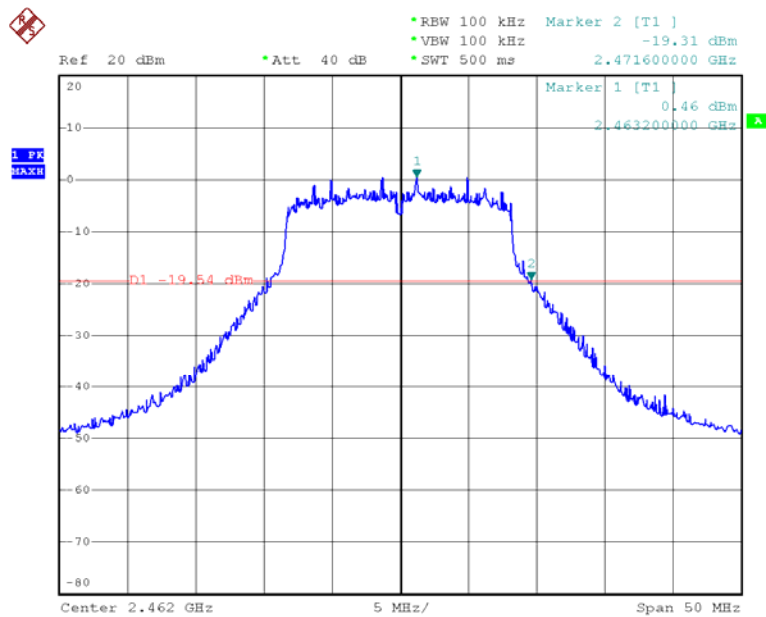


Band Edge (20dBc RF Conducted Measurement) Mode 4: Transmit by 802.11g (2412MHz)



Date: 2.JUL.2009 13:43:28

Band Edge (20dBc RF Conducted Measurement) Mode 6: Transmit by 802.11g (2462MHz)



Date: 2.JUL.2009 13:40:55



8. Power Spectral Density

8.1. Test Limit

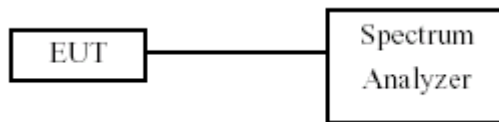
For digitally modulated systems, the power spectral density conducted from the intentional radiated to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

8.2. Test 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 \geq 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	2008.09.28
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2008.10.10

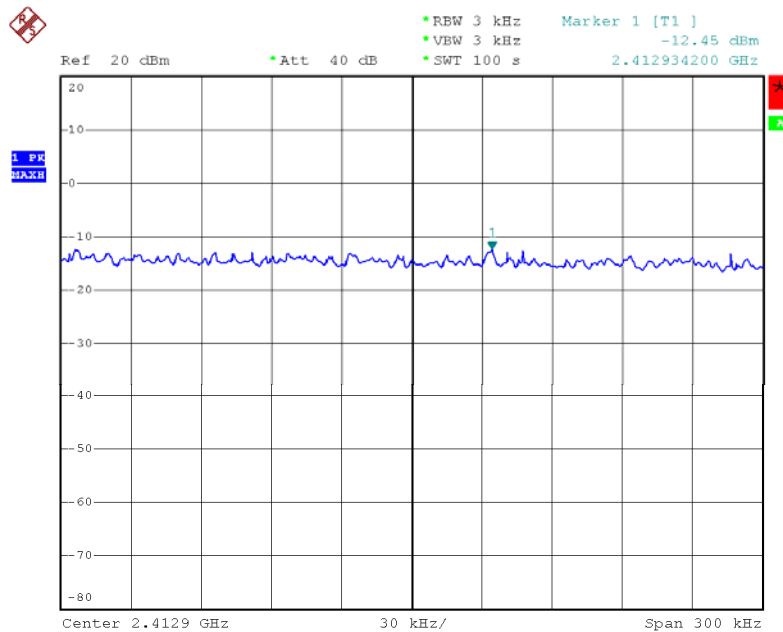


8.5. Test Result and Data

Test Item	Power Spectral Density
Test Mode	Mode 1: Transmit by 802.11b
Test Date	2009-07-02

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-12.45	8	Pass
06	2437	-12.04	8	Pass
11	2462	-11.58	8	Pass

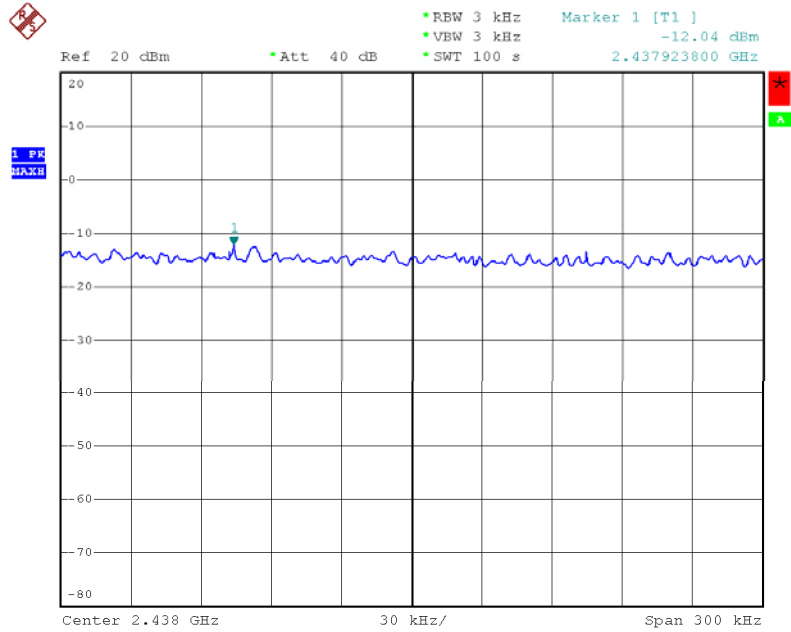
Channel 01 (2412MHz)



Date: 2.JUL.2009 14:27:47

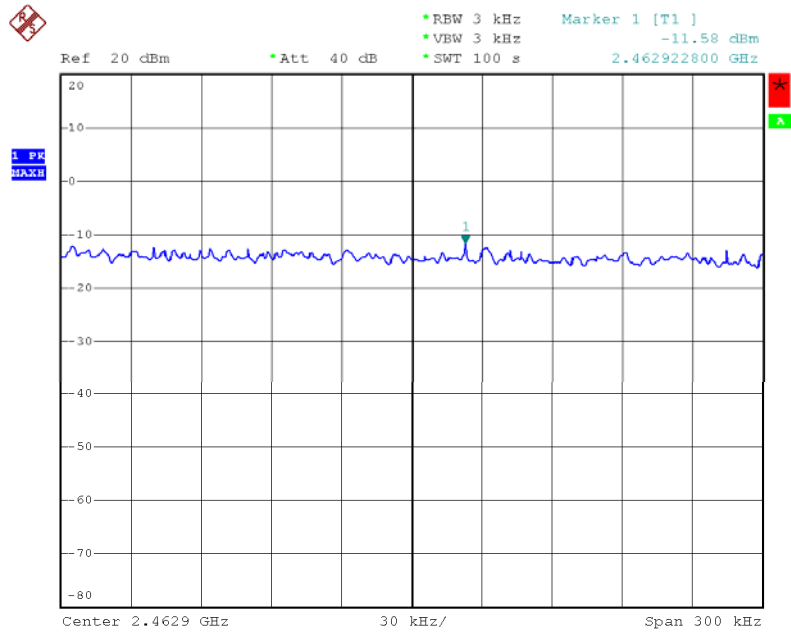


Channel 06 (2437MHz)



Date: 2.JUL.2009 14:31:44

Channel 11 (2462MHz)



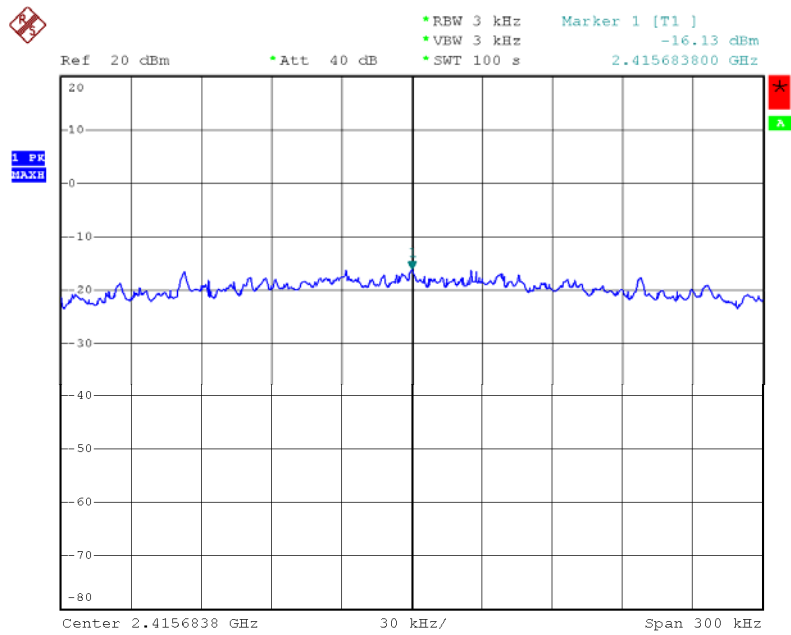
Date: 2.JUL.2009 14:36:36



Test Item	Power Spectral Density
Test Mode	Mode 2: Transmit by 802.11g
Test Date	2009-07-02

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-16.13	8	Pass
06	2437	-15.37	8	Pass
11	2462	-14.87	8	Pass

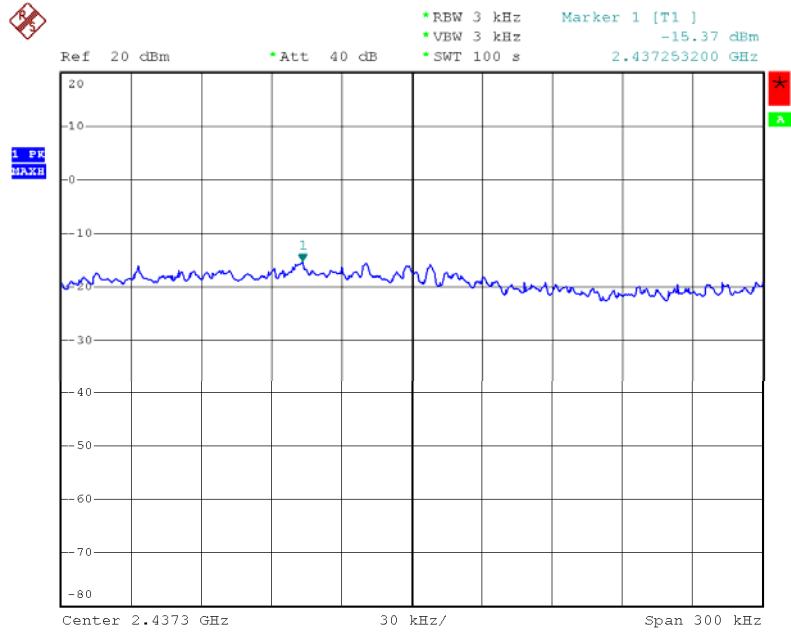
Channel 01 (2412MHz)



Date: 2.JUL.2009 14:24:03

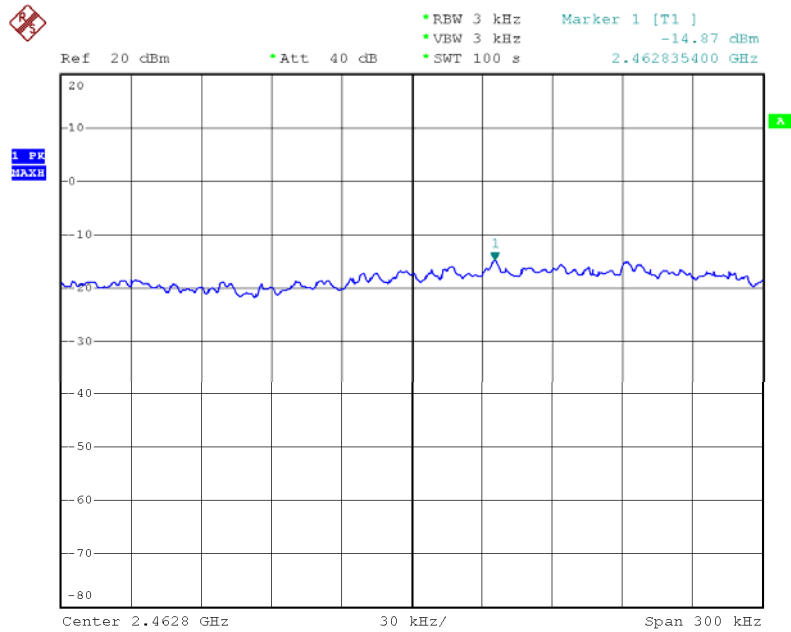


Channel 06 (2437MHz)



Date: 2.JUL.2009 14:21:33

Channel 11 (2462MHz)



Date: 2.JUL.2009 14:18:58