



FCC TEST REPORT

According to

FCC CFR Title 47 Part 15 Subpart C

Applicant	: Amtek System Co., Ltd.
Address	: 14F-11, No. 79, Sec 1, Hsin Tai Wu Rd., His Chih City, Taipei Hsien, Taiwan.
Manufacturer	: Su Zhou Yi Quan Electronic Technology Co., Ltd.
Address	: 3 Floor, ChangShu YiSi Furniture Co., Ltd New and High-Tech Industry Facilities ChangShu, JiangSu 215550 P.R. China.
Equipment	: Notebook Computer
Model No.	: LA10
FCC ID	: R4RAIRLA10QXKG
Trade Mark	: N/A

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Document history

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Authorized under **Declaration of Conformity**

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High-Tech Industry Facilities ChangShu, JiangSu
215550 P.R. China.
Equipment : Notebook Computer
Model No. : LA10

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 May. 10, 2009 at **Cerpass Technology Corp.**

Documented By:

Approved By:

Released By:

Cathy Chen/ Administration

John Wang/ Technical director

Alex Chiu/ Supervisor



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

Notebook Computer	Model No:	LA10
	Trade Mark:	N/A
AC Adapter	Manufacturer:	Enertronix
	Model No.:	EXA0803YI
	Input:	100-240V AC 50-60Hz 1.2A
	Output:	20Vdc 2A

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	PIFA
Antenna Gain	0.04dBi



Keypart list				
No.	Item	Manufactory	Model	Description
1	Motherboard	TAK-LINS	LA-10	N/A
2	CPU	Intel	Atom N270	1.6GHz
3	LCD Panel (LED back light)	AU OPTRONICS CORPORATION	B101AW03 V0	10.1" TFT
		HannStar Display Corp	HSD101PFW2-A	10.1" TFT
		CHI MEI OPTOELECTRONICS CORP	N101L6-L03	10.1" TFT
4	Adapter#1	Enertronix	EXA0803YI	I/P: 100-240Vac, 50-60Hz, 1.5, 1.6, 1.7A. O/P: 20Vdc, 2A, 40° C. Class I
5	Adapter #2	LI SHIN	0225A2040	I/P: 100-240Vac, 50-60Hz, 1.0 A. O/P: 20Vdc, 2A, 40° C. Class I
6	Adapter#3	LITONE	PA-1400-12	I/P: 100-240Vac, 50-60Hz, 1.2A. O/P: 20Vdc, 2A, 40° C. Class I



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	17.61	*	54	17.79
	5.5	16.52		48	17.72
	2	14.87		36	17.26
	1	14.36		24	17.66
	--	--		18	17.18
	--	--		12	17.41
	--	--		9	17.05
	--	--		6	17.64



2.4. Test Manner

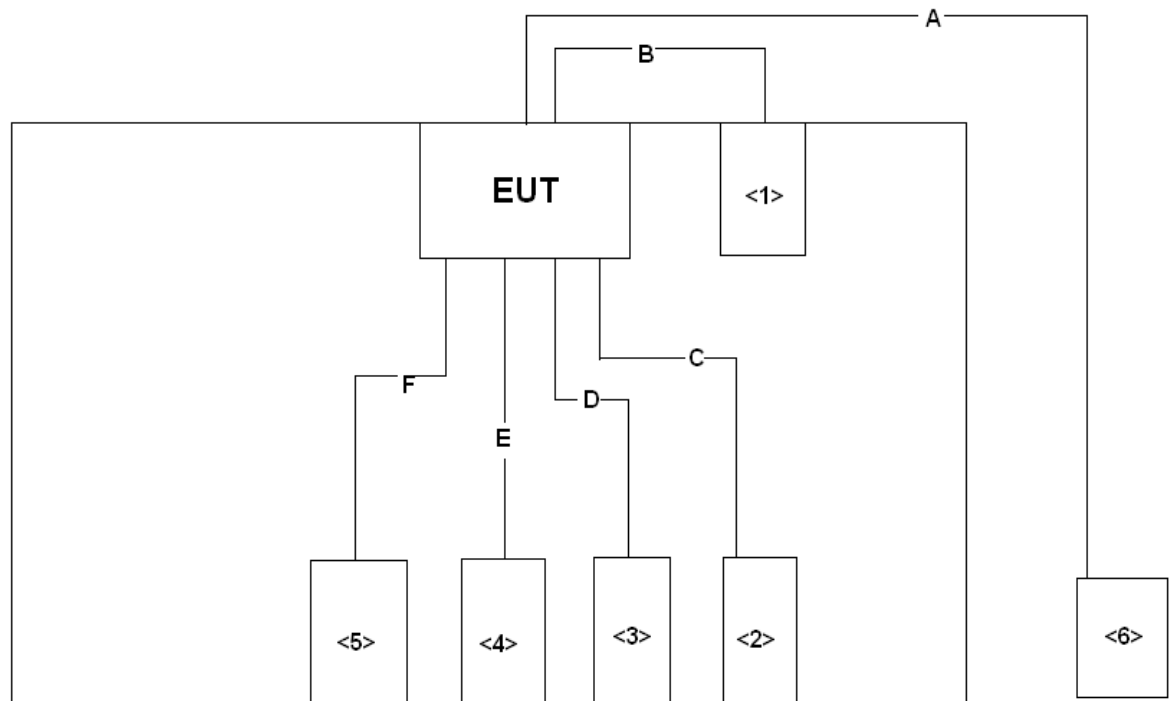
Test Manner	
a	During testing, the interface cables and equipment positions were varied according to 47 CFR, Part 2, Part 15 and CISPR PUB. 22
b	Setup the EUT.
c	Run the software "QAU2571W" to control the wireless card transmit and receive.
d	Communicate with another Notebook by LAN. Then test.
The test modes: Full System (VGA 1024*600@60Hz)	
	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

Device	Manufacturer	Model No.	Description
19" LCD	CHI-MEI	CT-730D	N/A
IPOD NANO 2GB	Apple	MA477TA/A	N/A
IPOD NANO 2GB	Apple	MA477TA/A	N/A
IPOD NANO 2GB	Apple	MA477TA/A	N/A
Microphone&Earphone	VIEWSONIC	VIEWSONIC	N/A
Notebook	SONY	C9LM020-F	N/A



2.6. Connection Diagram of Test System



Use Cable

No.	Cable	Quantity	Description
A	LAN Cable	1	Non-Shielded, >10m
B	VGA Cable	1	Shielded, 1.8m, with two ferrite cores bonded
C	USB Cable	1	Non-Shielded, 1.2m
D	USB Cable	1	Non-Shielded, 1.2m
E	USB Cable	1	Non-Shielded, 1.2m
F	Earphone Cable	1	Shielded, 1.8m



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)

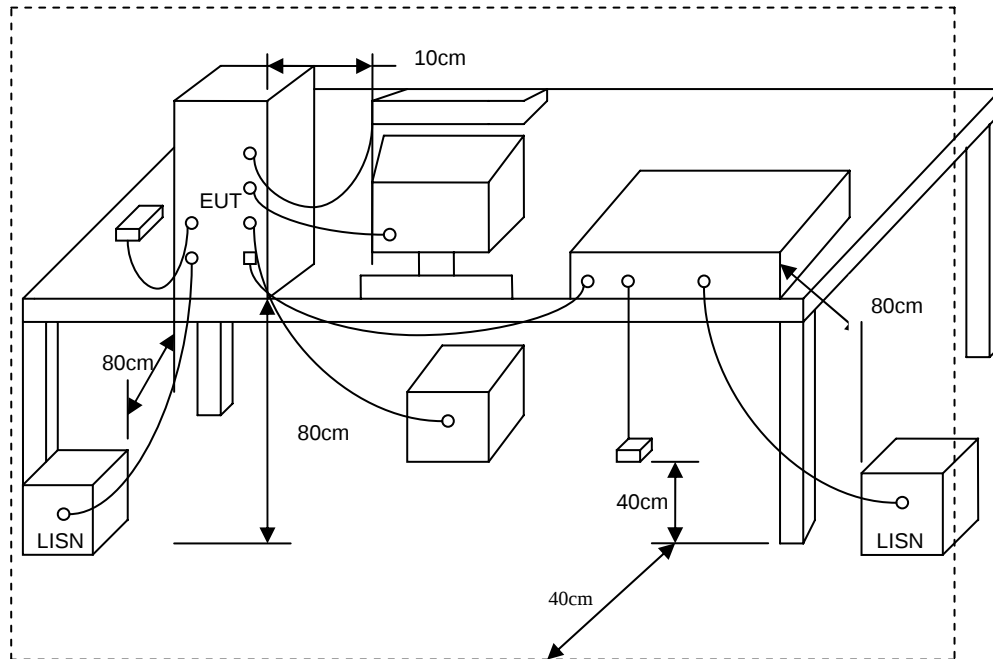
Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

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



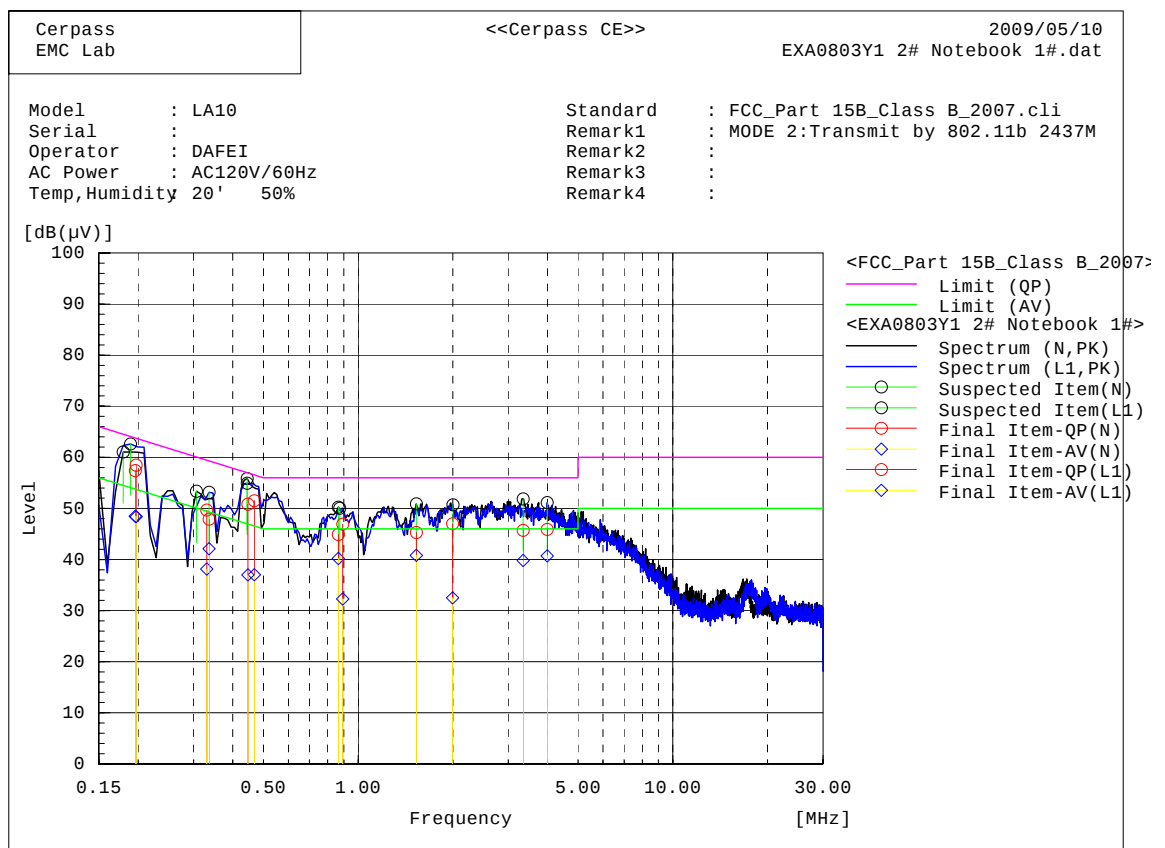
3.4. Measurement Equipment

Instrument	Manufacturer	Model No.	Serial No.	Calibration Data
EMC Emission Tester	EMCPARTNER	Harmonics-1000	159	2008.06.30
Test Receiver	R&S	ESCI	100565	2008.06.30
AMN	R&S	ESH2-Z5	100182	2008.06.30
Two-Line V-Network	R&S	ENV216	100325	2008.06.30
ISN	FCC	FCC-TLISN-T2-02	20379	2008.06.30
ISN	FCC	FCC-TLISN-T4-02	20380	2008.06.30
ISN	FCC	FCC-TLISN-T8-02	20381	2008.06.30
Current Probe	R&S	EZ-17	100303	2008.06.30
Passive Voltage Probe	R&S	ESH2-Z3	100026	2008.06.30
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	2008.06.30
Attenuator	R&S	ESH3-Z2	100529	2009.01.12
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-004	2008.09.24



3.5. Test Result and Data

Standard	: FCC_Part 15B_Class B_2007	Date/Time	: 2009/05/10
Model	: LA10	Serial	: N/A
Operator	: DAFEI	AC Power	: AC120V/60Hz
Temp,	: 20'	Humidity	: 50%
Remark	: Mode 2: Transmit by 802.11b 2437M		



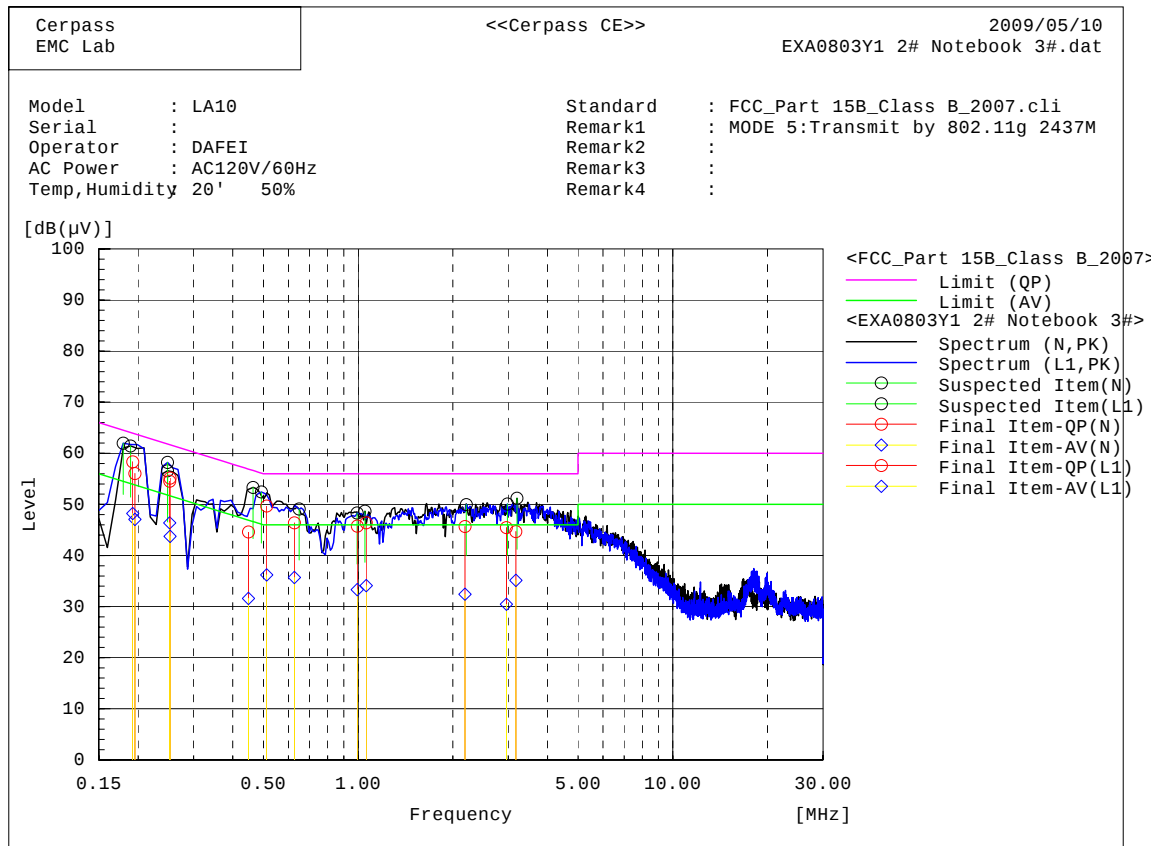


Final Data List

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
0.19578	N	47.5	38.6	9.9	57.4	48.5	63.8	53.8	6.4	5.3	Pass
0.33052	N	39.9	28.3	9.8	49.7	38.1	59.4	49.4	9.7	11.3	Pass
0.46806	N	41.8	27.3	9.7	51.5	37.0	56.5	46.5	5.0	9.5	Pass
0.86518	N	35.3	30.6	9.6	44.9	40.2	56.0	46.0	11.1	5.8	Pass
1.53138	N	35.7	31.2	9.6	45.3	40.8	56.0	46.0	10.7	5.2	Pass
3.34382	N	36.0	30.1	9.7	45.7	39.8	56.0	46.0	10.3	6.2	Pass
0.19714	L1	49.0	38.9	9.5	58.5	48.4	63.7	53.7	5.2	5.3	Pass
0.44653	L1	41.1	27.3	9.7	50.8	37.0	56.9	46.9	6.1	9.9	Pass
0.89331	L1	37.3	22.7	9.6	46.9	32.3	56.0	46.0	9.1	13.7	Pass
1.99669	L1	37.3	22.8	9.7	47.0	32.5	56.0	46.0	9.0	13.5	Pass
3.99042	L1	36.2	31.0	9.7	45.9	40.7	56.0	46.0	10.1	5.3	Pass
0.33614	L1	38.3	32.5	9.6	47.9	42.1	59.3	49.3	11.4	7.2	Pass



Standard	: FCC_Part 15B_Class B_2007	Date/Time	: 2009/05/10
Model	: LA10	Serial	: N/A
Operator	: DAFEI	AC Power	: AC120V/60Hz
Temp	: 20'	Humidity	: 50%
Remark	: Mode 5: Transmit by 802.11g 2437M		



**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
0.44825	N	34.9	21.9	9.7	44.6	31.6	56.9	46.9	12.3	15.3	Pass
0.62734	N	36.7	26.0	9.7	46.4	35.7	56.0	46.0	9.6	10.3	Pass
1.06161	N	36.8	24.5	9.6	46.4	34.1	56.0	46.0	9.6	11.9	Pass
3.1732	N	35.0	25.4	9.7	44.7	35.1	56.0	46.0	11.3	10.9	Pass
0.25204	N	44.6	36.5	9.9	54.5	46.4	61.7	51.7	7.2	5.3	Pass
0.1953	N	46.1	37.2	9.9	56.0	47.1	63.8	53.8	7.8	6.7	Pass
2.9596	L1	35.8	20.8	9.7	45.5	30.5	56.0	46.0	10.5	15.5	Pass
2.18681	L1	36.0	22.7	9.7	45.7	32.4	56.0	46.0	10.3	13.6	Pass
0.99429	L1	36.2	23.7	9.6	45.8	33.3	56.0	46.0	10.2	12.7	Pass
0.5122	L1	40.0	26.5	9.7	49.7	36.2	56.0	46.0	6.3	9.8	Pass
0.25282	L1	45.5	34.1	9.6	55.1	43.7	61.7	51.7	6.6	8.0	Pass
0.1922	L1	48.8	38.7	9.5	58.3	48.2	63.9	53.9	5.6	5.7	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.

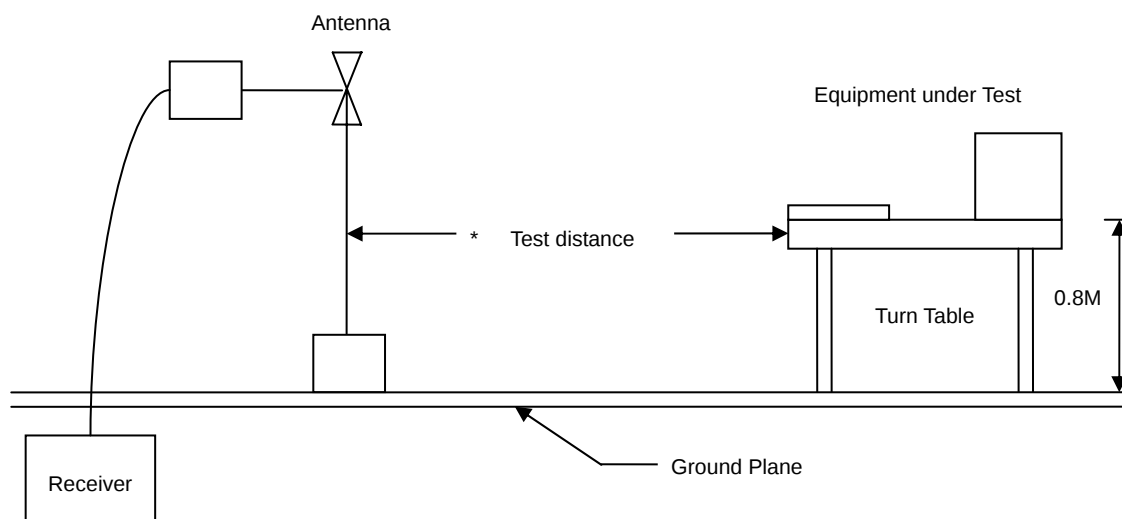
The spectrum from 30MHz to 26GHz is investigated with the transmitter set to the lowest, middle and highest channels in the 2.4GHz band.

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

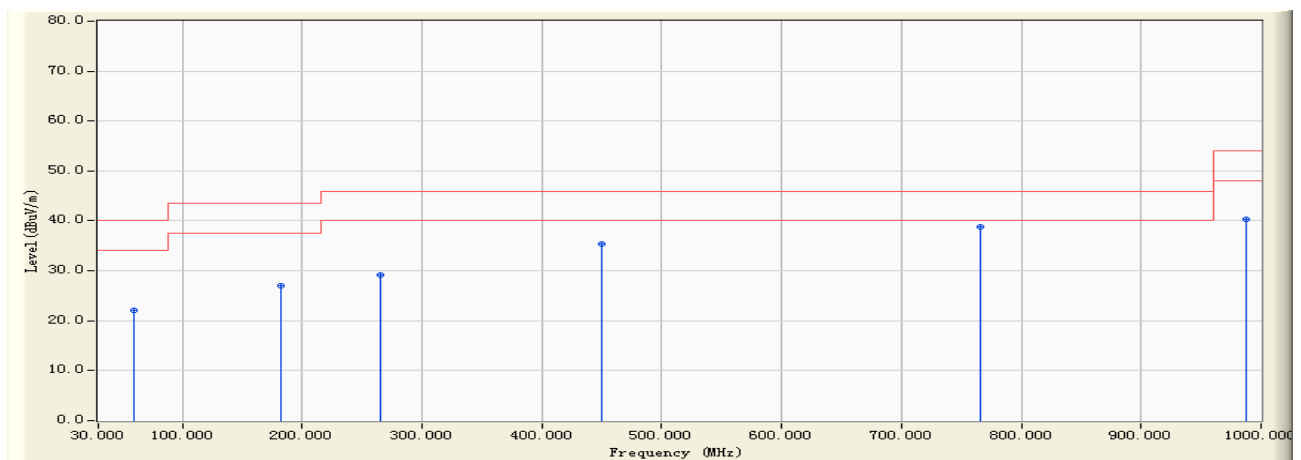
Instrument	Model No.	Manufacturer	Serial No.	Calibration Date
Test Receiver	R&S	ESCI	100563	2008.06.30
Spectrum Analyzer	R&S	FSP40	100324	2008.09.28
Preamplifier	Agilent	87405B	My39500553	2008.08.02
Preamplifier	R&S	PR-AMP26	1248791	2008.07.01
Ultra Broadband Antenna	R&S	HL562	100363	2008.07.01
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2008.10.10



4.5. Test Result and Data

Under 1G:

Engineer : summon	
Site : EMC Lab AC 102	Time : 2009/05/11 - 12:43
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Notebook Computer	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b 2412M



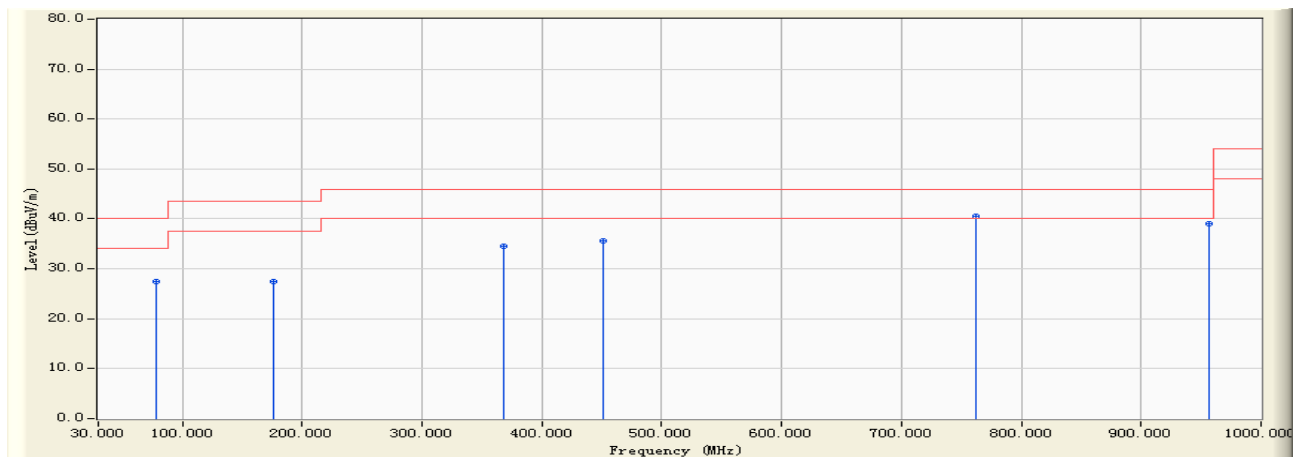
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		59.360	-20.395	42.560	22.165	-17.835	40.000	QUASIPeAK
2		182.140	-14.812	41.890	27.079	-16.421	43.500	QUASIPeAK
3		265.390	-12.205	41.280	29.075	-16.925	46.000	QUASIPeAK
4		450.560	-6.200	41.580	35.380	-10.620	46.000	QUASIPeAK
5	*	765.390	0.782	38.000	38.782	-7.218	46.000	QUASIPeAK
6		987.250	4.093	36.250	40.343	-13.657	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 : summon	
Site : EMC Lab AC 102	Time : 2009/05/11 - 12:48
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Notebook Computer	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b 2412M



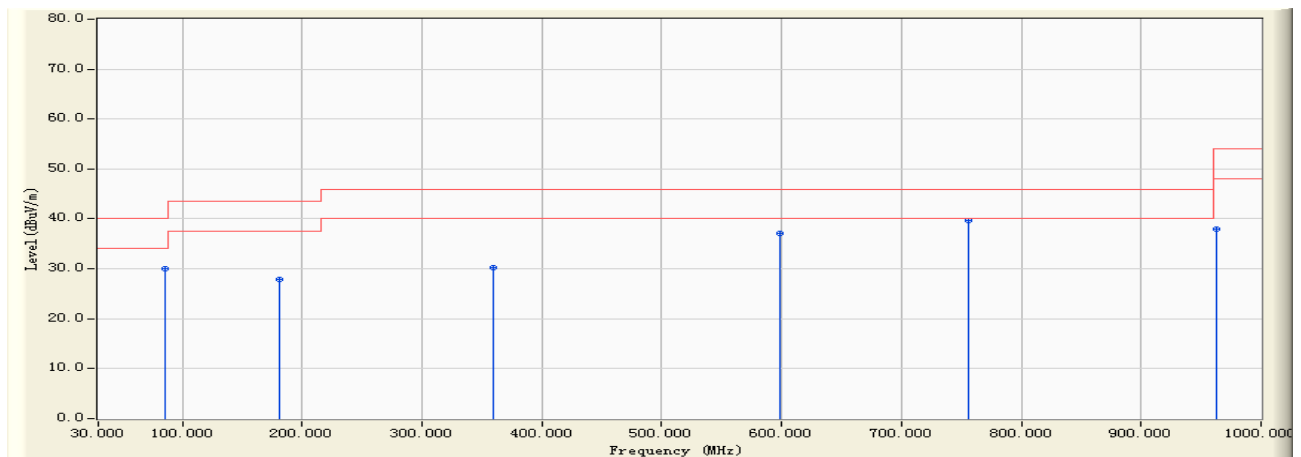
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		78.560	-15.727	43.250	27.523	-12.477	40.000	QUASIPeAK
2		175.980	-14.793	42.280	27.487	-16.013	43.500	QUASIPeAK
3		368.140	-8.621	43.250	34.629	-11.371	46.000	QUASIPeAK
4		451.260	-6.182	41.890	35.708	-10.292	46.000	QUASIPeAK
5	*	762.340	0.697	39.890	40.587	-5.413	46.000	QUASIPeAK
6		956.240	3.619	35.480	39.099	-6.901	46.000	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 : summon	
Site : EMC Lab AC 102	Time : 2009/05/11 - 12:55
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Notebook Computer	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11b 2437M



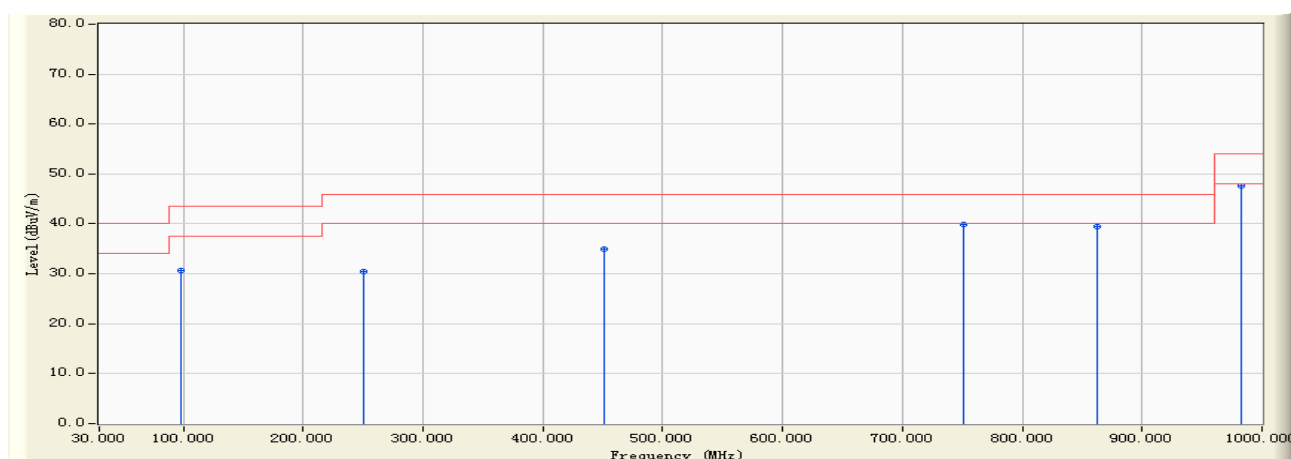
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		85.260	-15.187	45.260	30.072	-9.928	40.000	QUASIPeAK
2		180.590	-14.762	42.690	27.929	-15.571	43.500	QUASIPeAK
3		359.160	-8.833	38.980	30.146	-15.854	46.000	QUASIPeAK
4		359.650	-8.828	38.980	30.151	-15.849	46.000	QUASIPeAK
5		598.690	-2.627	39.650	37.024	-8.976	46.000	QUASIPeAK
6	*	756.150	0.592	39.150	39.742	-6.258	46.000	QUASIPeAK
7		963.260	3.713	34.260	37.973	-16.027	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 : summon	
Site : EMC Lab AC 102	Time : 2009/05/11 - 12:59
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Notebook Computer	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11b 2437M



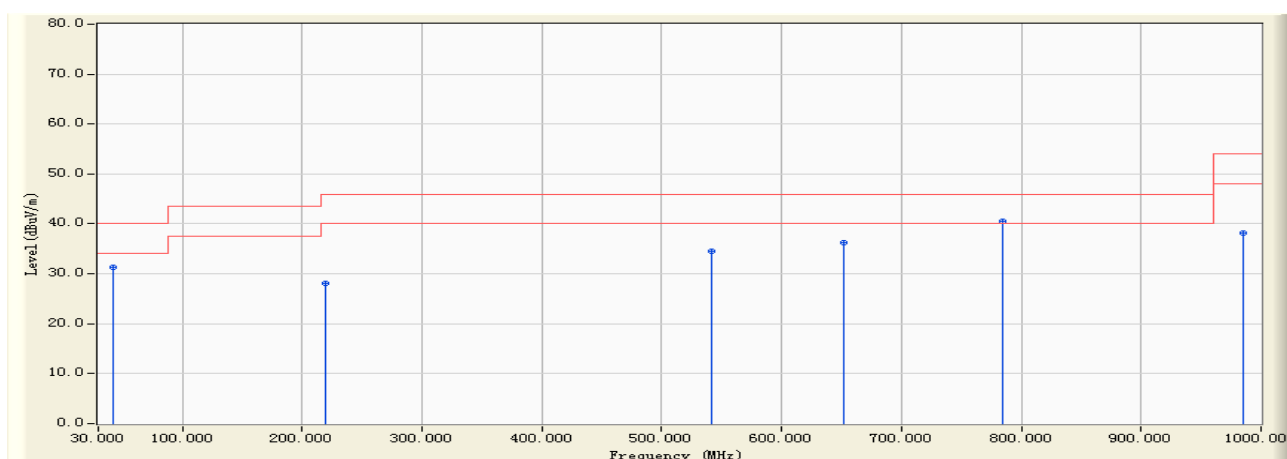
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		98.560	-14.543	45.260	30.717	-12.783	43.500	QUASIPeAK
2		250.360	-12.779	43.150	30.371	-15.629	46.000	QUASIPeAK
3		450.690	-6.198	41.140	34.942	-11.058	46.000	QUASIPeAK
4	*	750.680	0.440	39.450	39.890	-6.110	46.000	QUASIPeAK
5		862.150	2.378	37.150	39.529	-6.471	46.000	QUASIPeAK
6		983.250	3.994	43.560	47.554	-6.446	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 : summon	
Site : EMC Lab AC 102	Time : 2009/05/11 - 13:34
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Notebook Computer	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11b 2462M



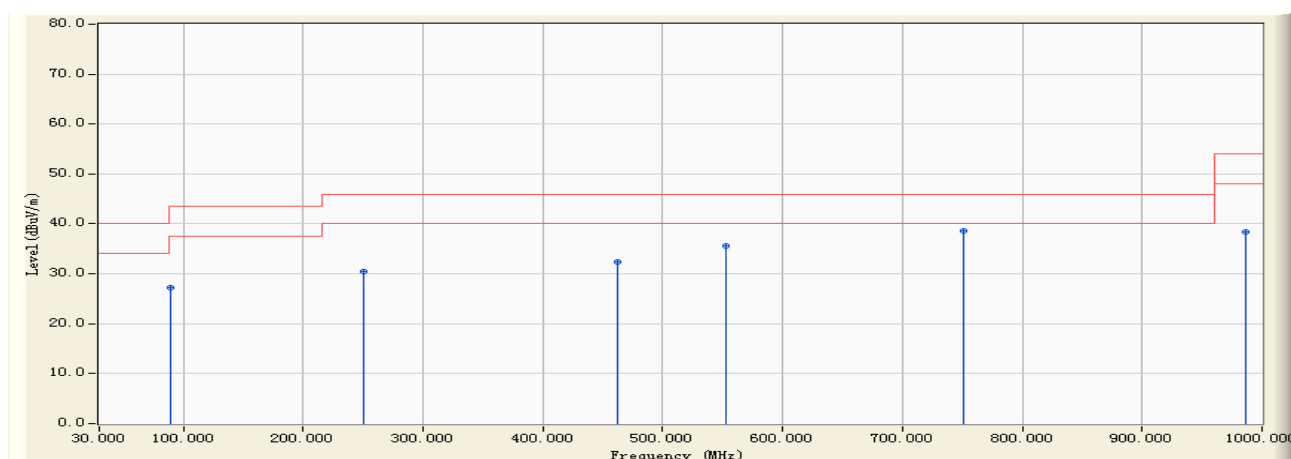
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		42.560	-11.830	43.150	31.321	-8.679	40.000	QUASIPeAK
2		220.000	-14.176	42.250	28.074	-17.926	46.000	QUASIPeAK
3		542.130	-3.833	38.450	34.617	-11.383	46.000	QUASIPeAK
4		652.150	-1.394	37.560	36.167	-9.833	46.000	QUASIPeAK
5	*	784.150	0.904	39.640	40.543	-5.457	46.000	QUASIPeAK
6		985.460	4.011	34.150	38.161	-15.839	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 : summon	
Site : EMC Lab AC 102	Time : 2009/05/11 - 13:39
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Notebook Computer	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11b 2462M



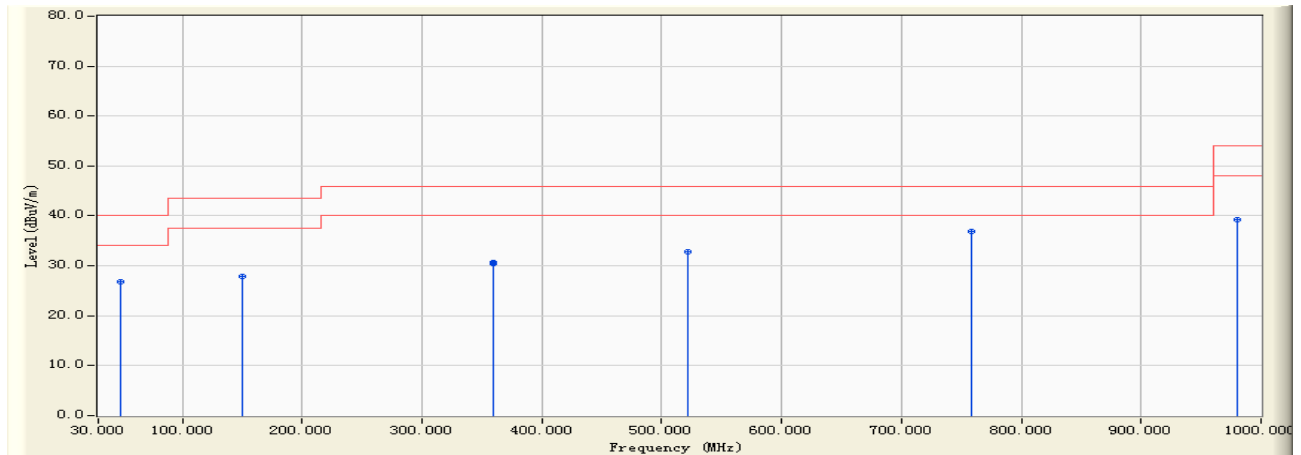
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		89.230	-15.013	42.150	27.137	-16.363	43.500	QUASIPeAK
2		250.230	-12.783	43.260	30.477	-15.523	46.000	QUASIPeAK
3		462.150	-5.791	38.140	32.350	-13.650	46.000	QUASIPeAK
4		552.360	-3.736	39.260	35.524	-10.476	46.000	QUASIPeAK
5	*	750.620	0.440	38.260	38.700	-7.300	46.000	QUASIPeAK
6		986.150	4.040	34.260	38.300	-15.700	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 : summon	
Site : EMC Lab AC 102	Time : 2009/05/11 - 13:44
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Notebook Computer	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC120V/60Hz	Note : Mode 4: Transmit by 802.11g 2412M



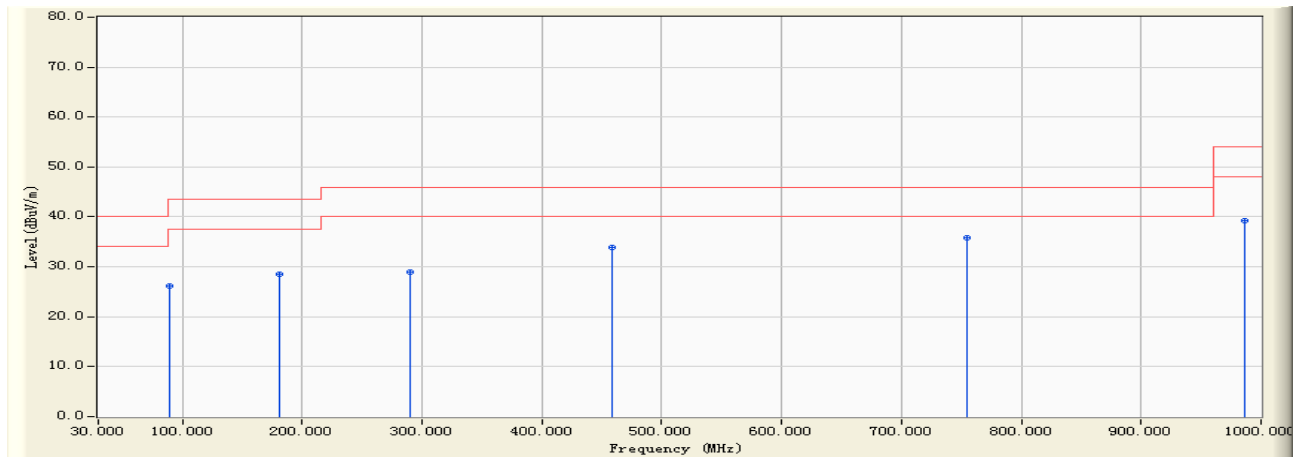
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		48.230	-15.373	42.150	26.777	-13.223	40.000	QUASIPeAK
2		150.260	-15.369	43.260	27.891	-15.609	43.500	QUASIPeAK
3		359.150	-8.834	39.450	30.616	-15.384	46.000	QUASIPeAK
4		359.560	-8.830	39.260	30.430	-15.570	46.000	QUASIPeAK
5		521.260	-4.389	37.160	32.772	-13.228	46.000	QUASIPeAK
6	*	758.260	0.652	36.150	36.802	-9.198	46.000	QUASIPeAK
7		980.260	4.043	35.260	39.302	-14.698	54.000	QUASIPeAK

Note:

- All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- " * ", means this data is the worst emission level.
- Measurement Level = Reading Level + Correct Factor



Engineer : summon	
Site : EMC Lab AC 102	Time : 2009/05/11 - 13:48
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Notebook Computer	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11g 2412M



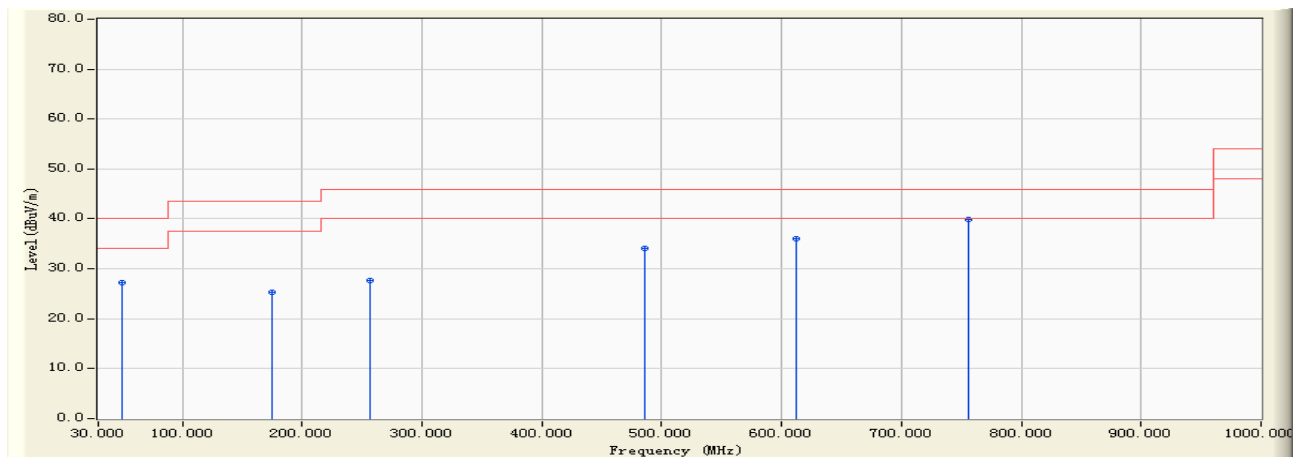
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		89.260	-15.012	41.260	26.248	-17.252	43.500	QUASIPeAK
2		180.560	-14.761	43.390	28.629	-14.871	43.500	QUASIPeAK
3		290.150	-11.249	40.250	29.001	-16.999	46.000	QUASIPeAK
4		458.480	-5.857	39.650	33.793	-12.207	46.000	QUASIPeAK
5	*	754.590	0.539	35.260	35.799	-10.201	46.000	QUASIPeAK
6		986.230	4.043	35.260	39.303	-14.697	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 : summon	
Site : EMC Lab AC 102	Time : 2009/05/11 - 13:51
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Notebook Computer	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 5: Transmit by 802.11g 2437M



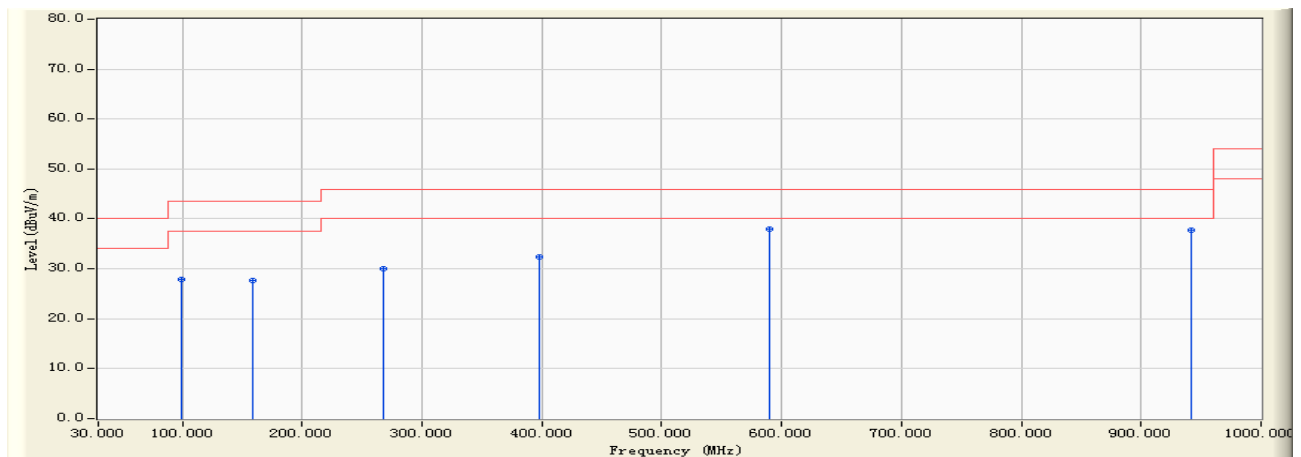
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		49.260	-16.060	43.260	27.199	-12.801	40.000	QUASIPeAK
2		175.260	-14.836	40.250	25.414	-18.086	43.500	QUASIPeAK
3		256.300	-12.533	40.280	27.747	-18.253	46.000	QUASIPeAK
4		486.350	-5.147	39.350	34.203	-11.797	46.000	QUASIPeAK
5		612.570	-2.391	38.460	36.069	-9.931	46.000	QUASIPeAK
6	*	756.290	0.596	39.320	39.916	-6.084	46.000	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 : summon	
Site : EMC Lab AC 102	Time : 2009/05/11 - 13:54
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Notebook Computer	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 5: Transmit by 802.11g 2437M



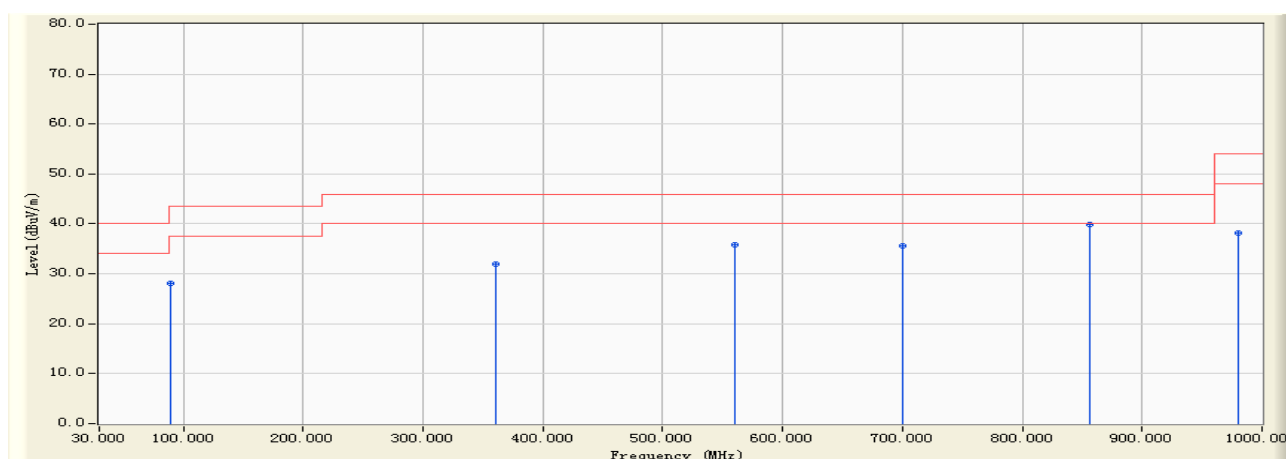
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		99.260	-14.508	42.360	27.852	-15.648	43.500	QUASIPeAK
2		158.366	-15.568	43.250	27.682	-15.818	43.500	QUASIPeAK
3		268.160	-12.054	42.050	29.996	-16.004	46.000	QUASIPeAK
4		398.150	-7.638	40.000	32.363	-13.637	46.000	QUASIPeAK
5	*	590.160	-2.746	40.680	37.935	-8.065	46.000	QUASIPeAK
6		942.360	3.532	34.280	37.812	-8.188	46.000	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 : summon	
Site : EMC Lab AC 102	Time : 2009/05/11 - 13:59
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Notebook Computer	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 6: Transmit by 802.11g 2462M



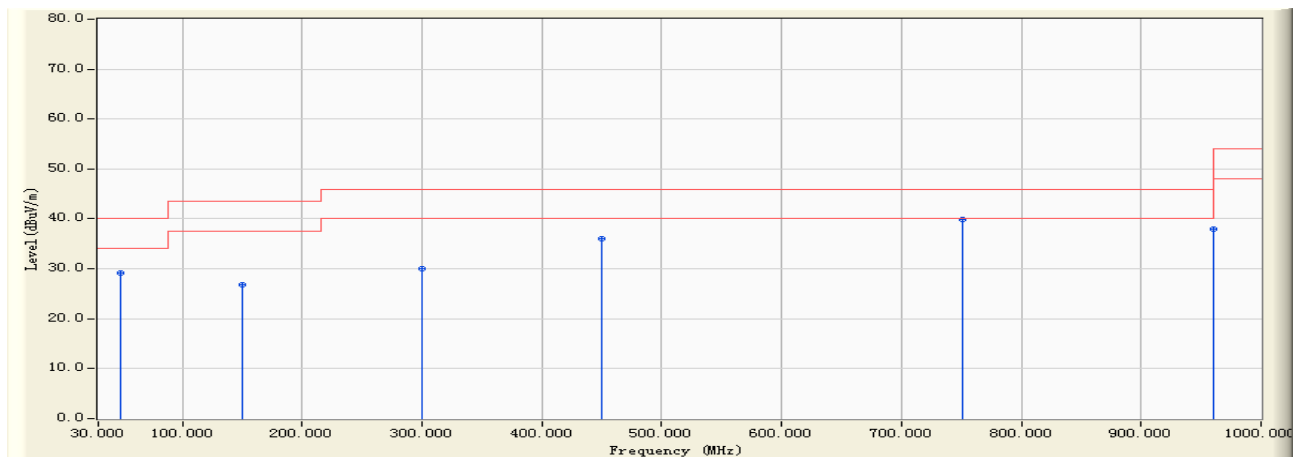
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		89.560	-14.996	43.150	28.154	-15.346	43.500	QUASIPeAK
2		360.980	-8.830	40.680	31.850	-14.150	46.000	QUASIPeAK
3		560.180	-3.398	39.150	35.751	-10.249	46.000	QUASIPeAK
4		700.150	-0.538	36.150	35.612	-10.388	46.000	QUASIPeAK
5	*	856.150	2.215	37.620	39.835	-6.165	46.000	QUASIPeAK
6		980.470	4.042	34.150	38.192	-15.808	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 : summon	
Site : EMC Lab AC 102	Time : 2009/05/11 - 14:13
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : Notebook Computer	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 6: 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		48.260	-15.393	44.560	29.167	-10.833	40.000	QUASIPeAK
2		150.260	-15.369	42.150	26.781	-16.719	43.500	QUASIPeAK
3		300.680	-10.899	41.020	30.122	-15.878	46.000	QUASIPeAK
4		450.360	-6.203	42.150	35.947	-10.053	46.000	QUASIPeAK
5	*	751.260	0.434	39.560	39.994	-6.006	46.000	QUASIPeAK
6		960.250	3.756	34.260	38.016	-15.984	54.000	QUASIPeAK

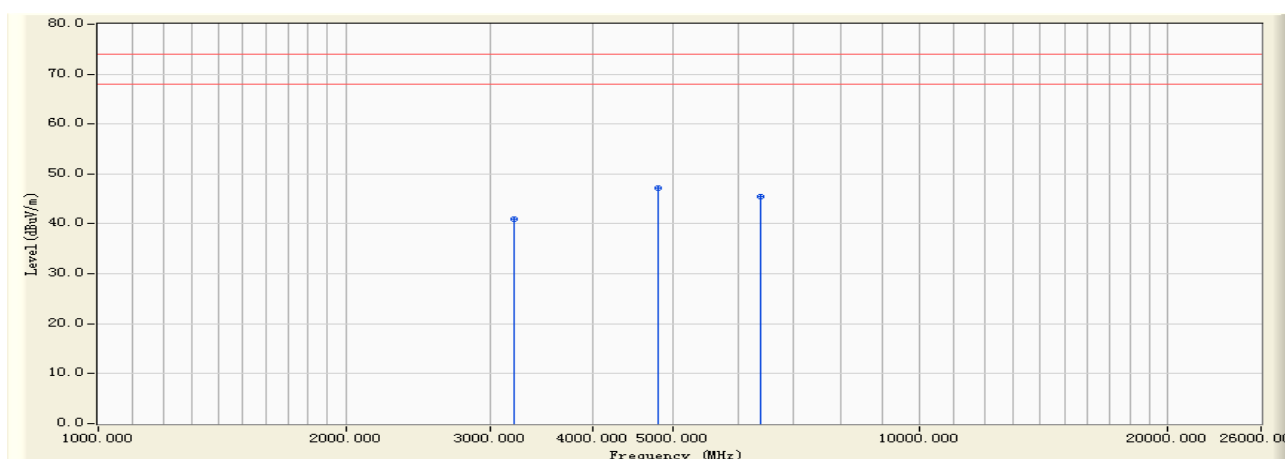
Note:

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



Above 1G:

Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/05/08 - 11:03
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Notebook Computer	Probe : HORIZONTAL
Power : AC120V/60Hz	Note : Mode 1: Transmit by 802.11b 2412M



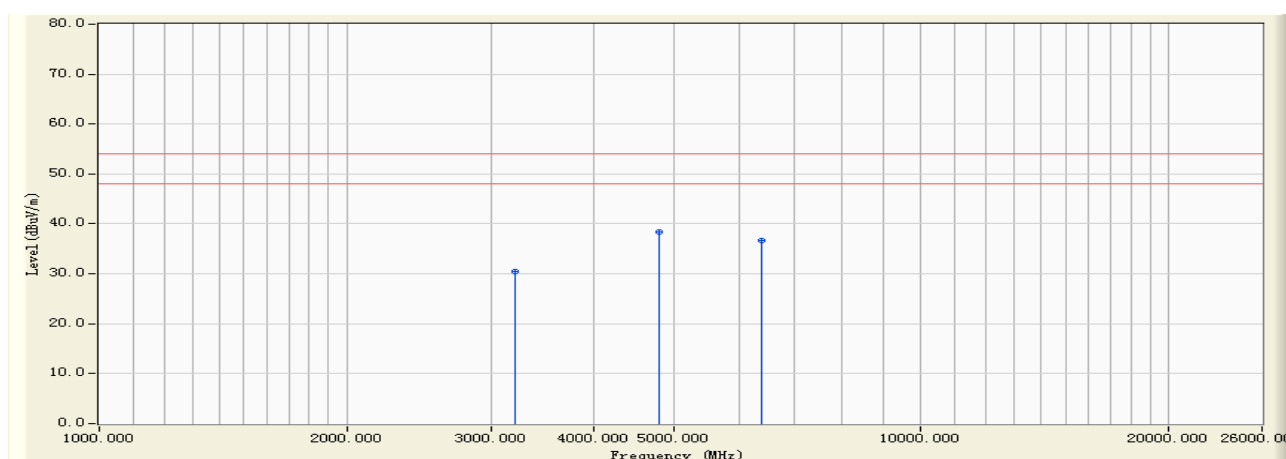
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3200.000	-12.285	53.182	40.897	-33.073	73.970	PEAK
2	*	4800.000	-5.389	52.506	47.117	-26.853	73.970	PEAK
3		6400.000	-4.098	49.516	45.418	-28.552	73.970	PEAK

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 : 2009/05/08 - 11:03
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Notebook Computer	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b 2412M



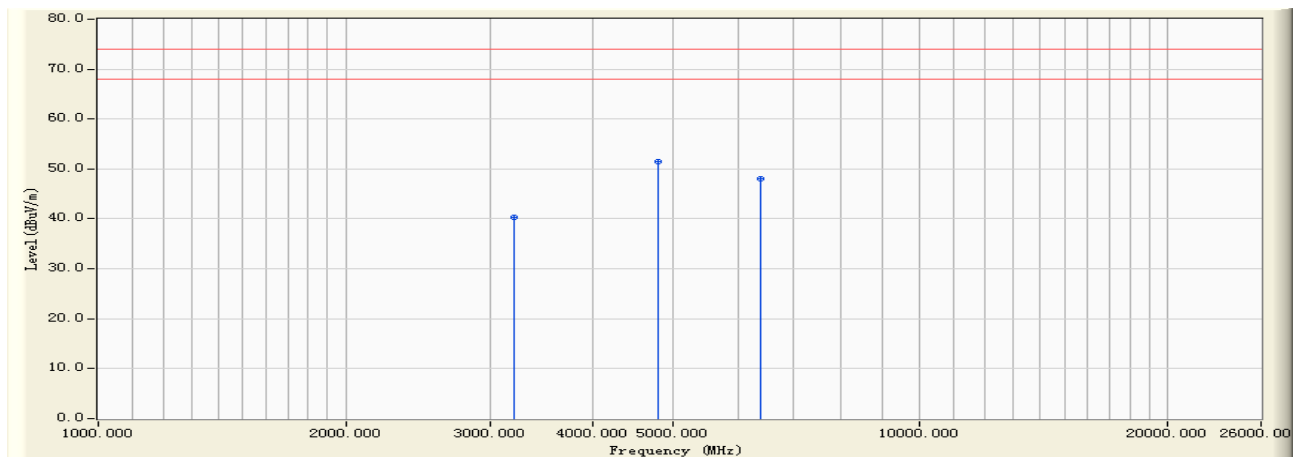
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3200.000	-12.285	42.680	30.395	-23.575	53.970	AVERAGE
2	*	4800.000	-5.389	43.840	38.451	-15.519	53.970	AVERAGE
3		6400.000	-4.098	40.750	36.652	-17.318	53.970	AVERAGE

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 : 2009/05/08 - 11:10
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Notebook Computer	Probe : VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b 2412M



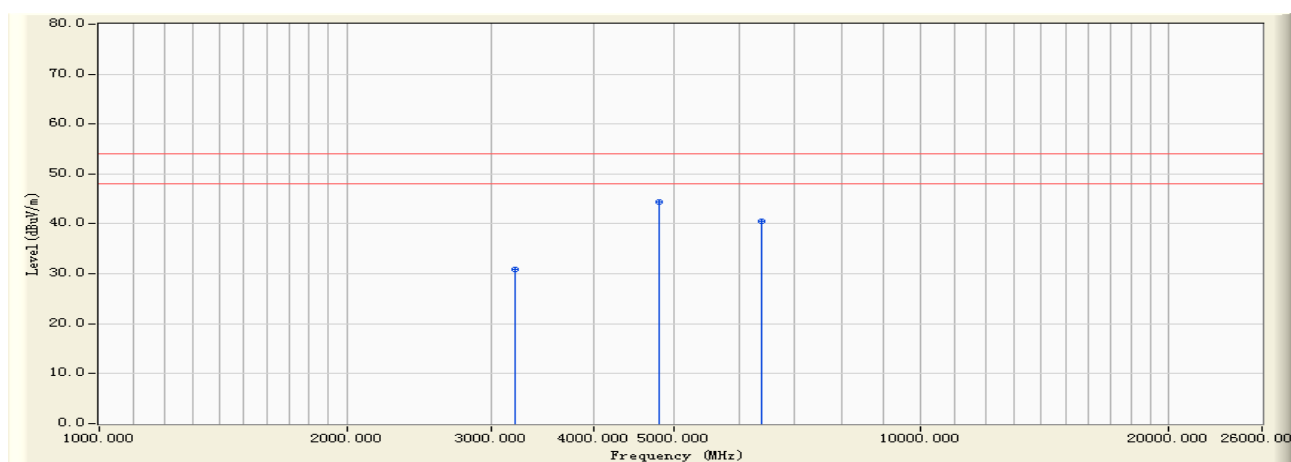
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3200.000	-12.285	52.629	40.344	-33.626	73.970	PEAK
2	*	4800.000	-5.389	56.901	51.512	-22.458	73.970	PEAK
3		6400.000	-4.098	52.134	48.036	-25.934	73.970	PEAK

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 : 2009/05/08 - 11:10
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Notebook Computer	Probe : VERTICAL
Power : AC120V/60Hz	Note : Mode 1: Transmit by 802.11b 2412M



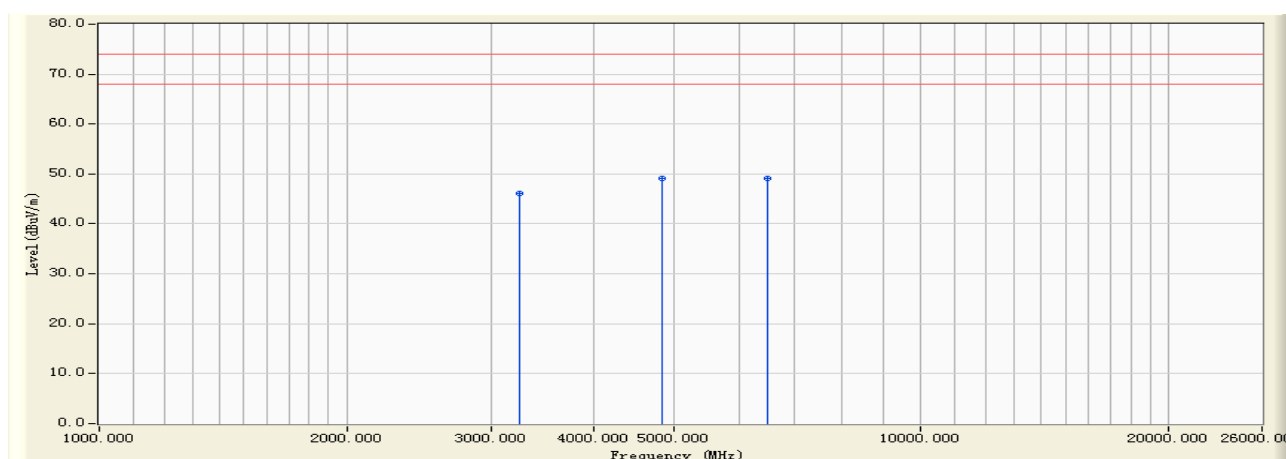
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3200.000	-12.285	43.160	30.875	-23.095	53.970	AVERAGE
2	*	4800.000	-5.389	49.870	44.481	-9.489	53.970	AVERAGE
3		6400.000	-4.098	44.650	40.552	-13.418	53.970	AVERAGE

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 : 2009/05/08 - 11:16
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Notebook Computer	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11b 2437M



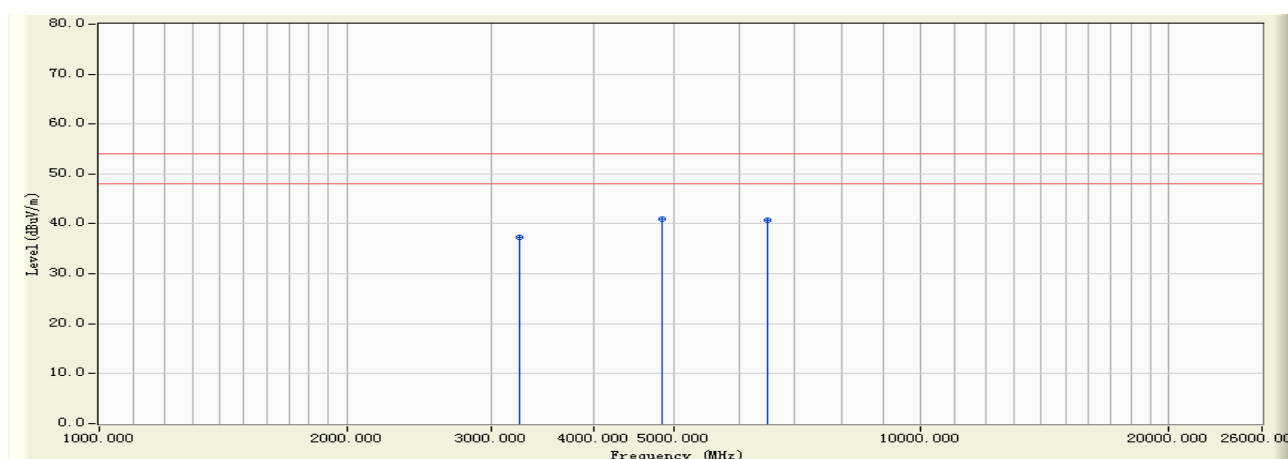
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	58.429	46.173	-27.797	73.970	PEAK
2	*	4850.000	-5.369	54.410	49.041	-24.929	73.970	PEAK
3		6500.000	-4.027	53.056	49.029	-24.941	73.970	PEAK

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 : 2009/05/08 - 11:16
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Notebook Computer	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11b 2437M



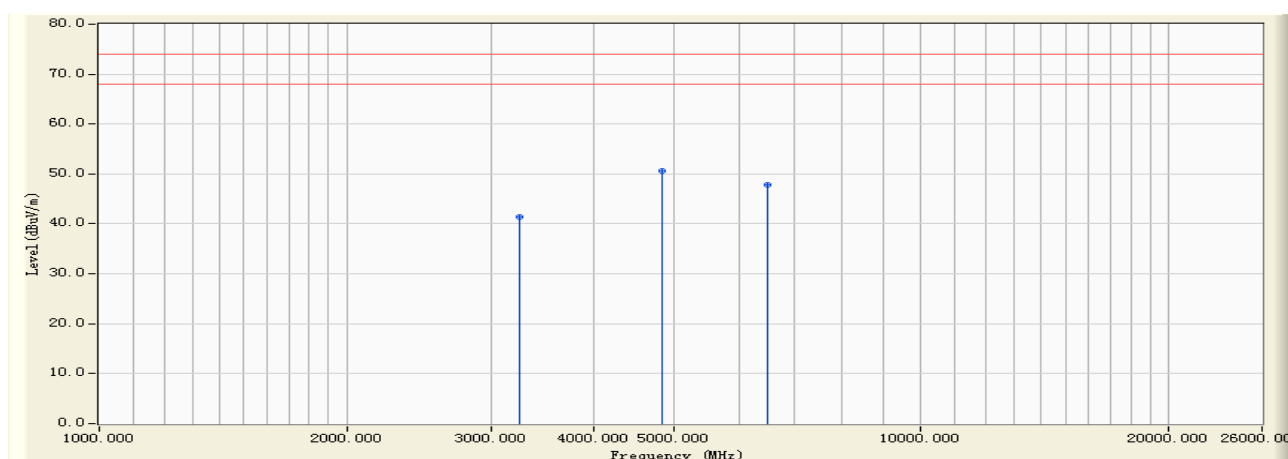
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	49.650	37.394	-16.576	53.970	AVERAGE
2	*	4850.000	-5.369	46.370	41.001	-12.969	53.970	AVERAGE
3		6500.000	-4.027	44.750	40.723	-13.247	53.970	AVERAGE

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 : 2009/05/08 - 11:21
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Notebook Computer	Probe : VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11b 2437M



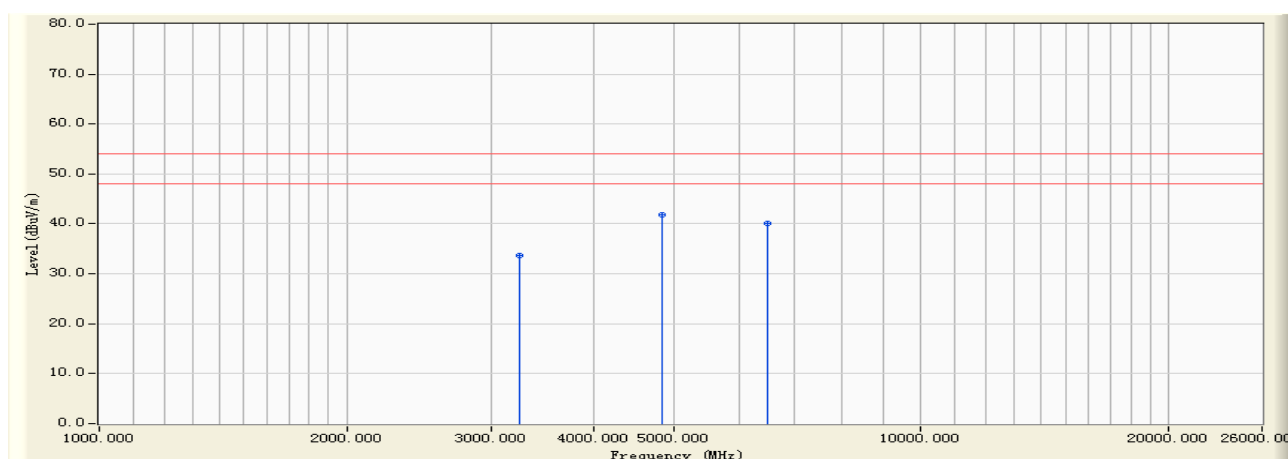
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	53.747	41.491	-32.479	73.970	PEAK
2	*	4850.000	-5.369	56.028	50.659	-23.311	73.970	PEAK
3		6500.000	-4.027	51.898	47.871	-26.099	73.970	PEAK

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 : 2009/05/08 - 11:21
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Notebook Computer	Probe : VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11b 2437M



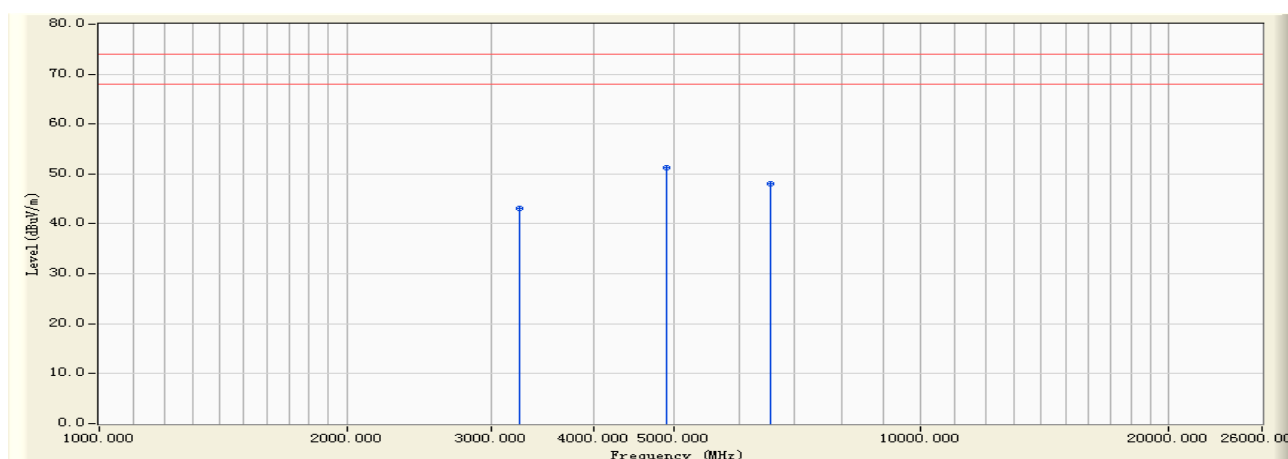
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	45.870	33.614	-20.356	53.970	AVERAGE
2	*	4850.000	-5.369	47.240	41.871	-12.099	53.970	AVERAGE
3		6500.000	-4.027	44.180	40.153	-13.817	53.970	AVERAGE

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 : 2009/05/08 - 11:26
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Notebook Computer	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11b 2462M



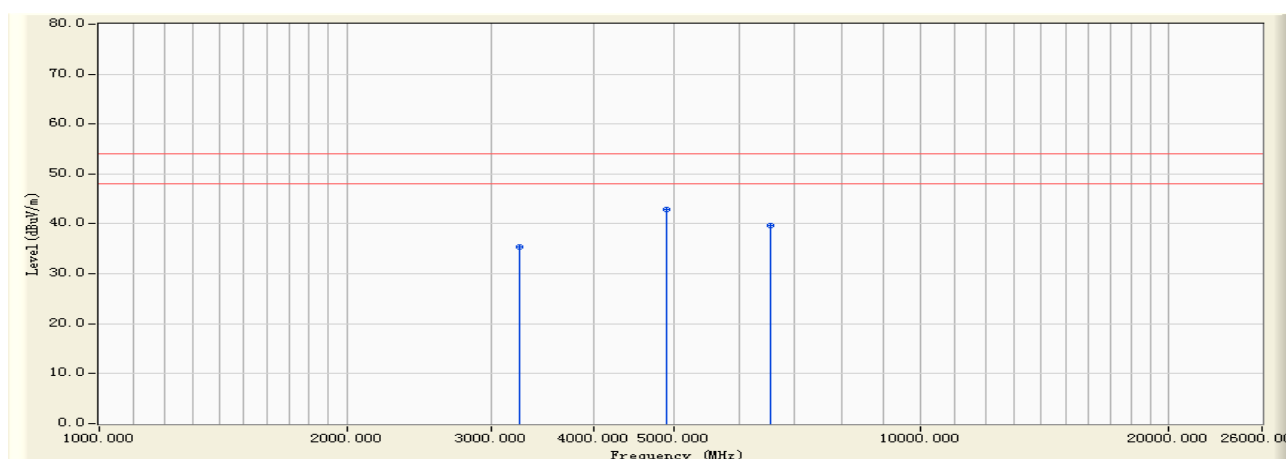
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	55.371	43.115	-30.855	73.970	PEAK
2	*	4900.000	-5.338	56.582	51.244	-22.726	73.970	PEAK
3		6550.000	-4.003	52.029	48.026	-25.944	73.970	PEAK

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 : 2009/05/08 - 11:26
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Notebook Computer	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11b 2462M



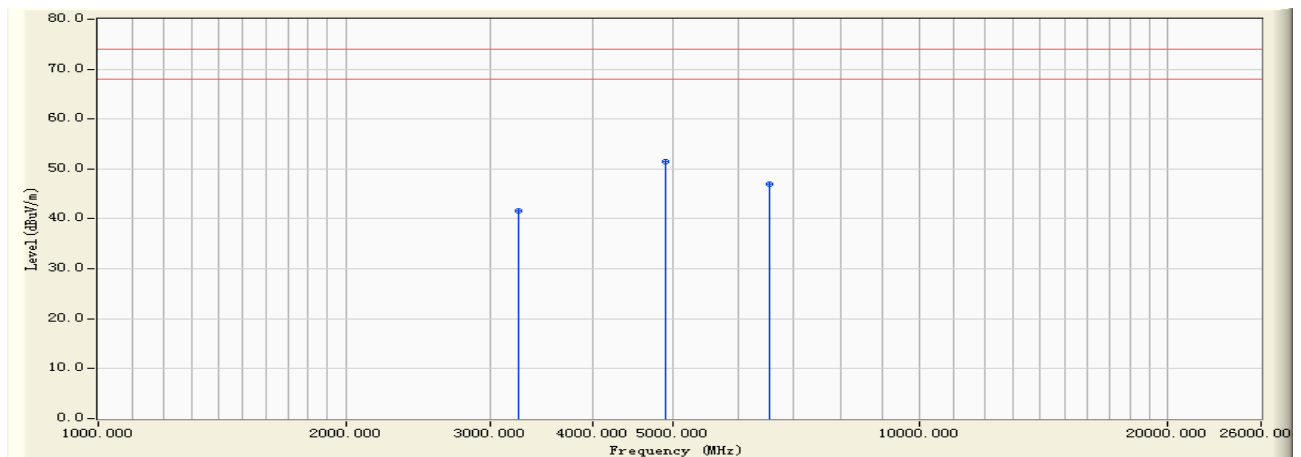
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	47.580	35.324	-18.646	53.970	AVERAGE
2	*	4900.000	-5.338	48.310	42.972	-10.998	53.970	AVERAGE
3		6550.000	-4.003	43.750	39.747	-14.223	53.970	AVERAGE

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 : 2009/05/08 - 11:31
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Notebook Computer	Probe : VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11b 2462M



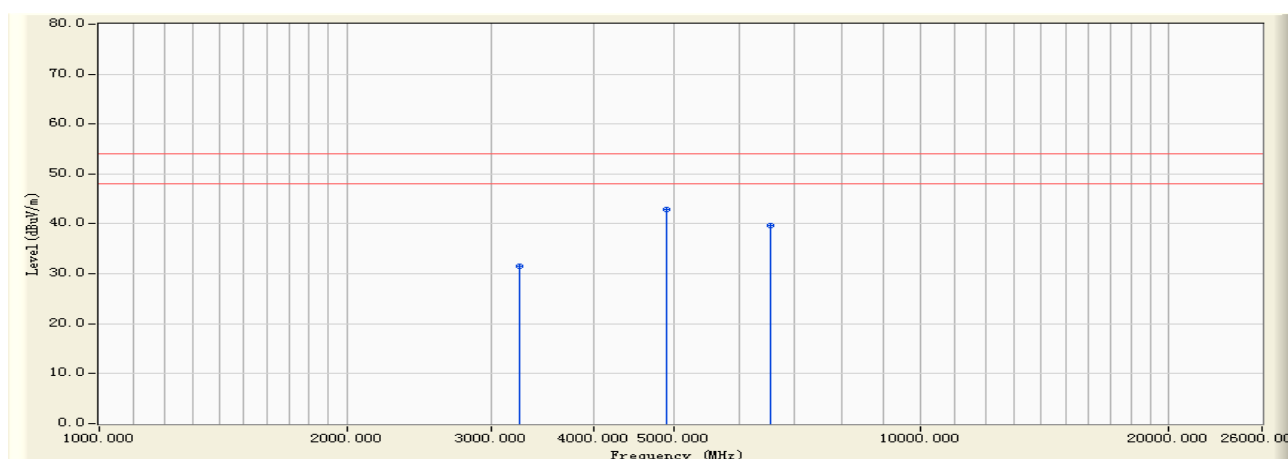
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	53.758	41.502	-32.468	73.970	PEAK
2	*	4900.000	-5.338	56.719	51.381	-22.589	73.970	PEAK
3		6550.000	-4.003	51.051	47.048	-26.922	73.970	PEAK

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 : 2009/05/08 - 11:31
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Notebook Computer	Probe : VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11b 2462M



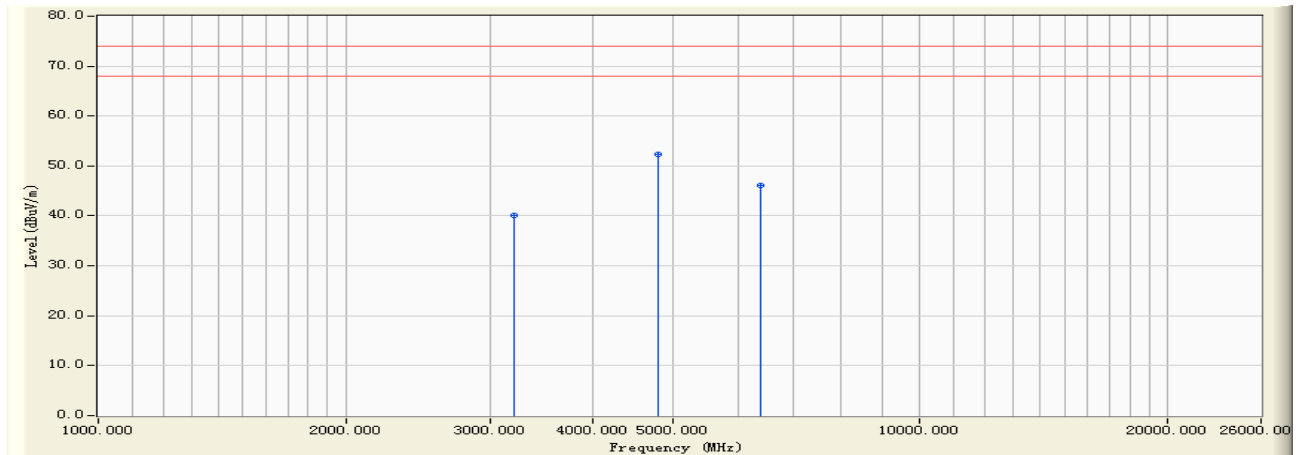
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	43.680	31.424	-22.546	53.970	AVERAGE
2	*	4900.000	-5.338	48.250	42.912	-11.058	53.970	AVERAGE
3		6550.000	-4.003	43.740	39.737	-14.233	53.970	AVERAGE

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 : 2009/05/08 - 11:35
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Notebook Computer	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11g 2412M



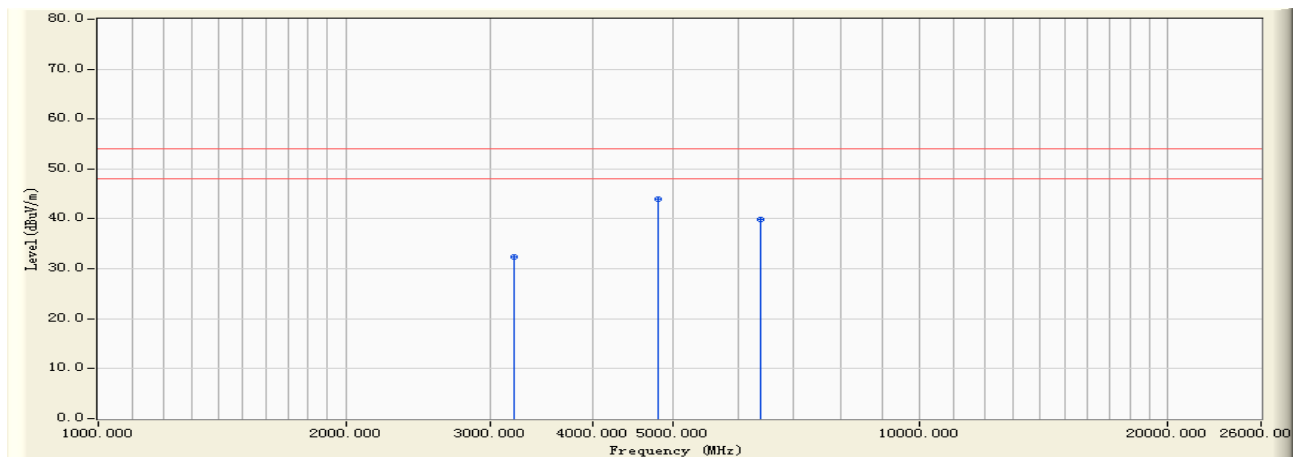
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3200.000	-12.285	52.324	40.039	-33.931	73.970	PEAK
2	*	4800.000	-5.389	57.676	52.287	-21.683	73.970	PEAK
3		6400.000	-4.098	50.299	46.201	-27.769	73.970	PEAK

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 : 2009/05/08 - 11:35
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Notebook Computer	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11g 2412M



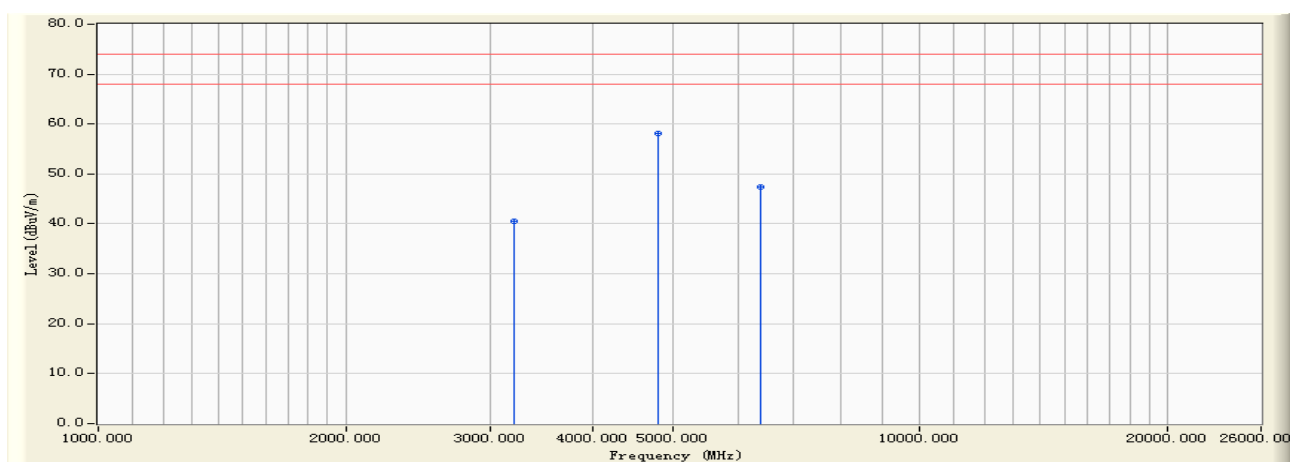
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3200.000	-12.285	44.650	32.365	-21.605	53.970	AVERAGE
2	*	4800.000	-5.389	49.350	43.961	-10.009	53.970	AVERAGE
3		6400.000	-4.098	43.920	39.822	-14.148	53.970	AVERAGE

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 : 2009/05/08 - 11:38
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Notebook Computer	Probe : VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11g 2412M



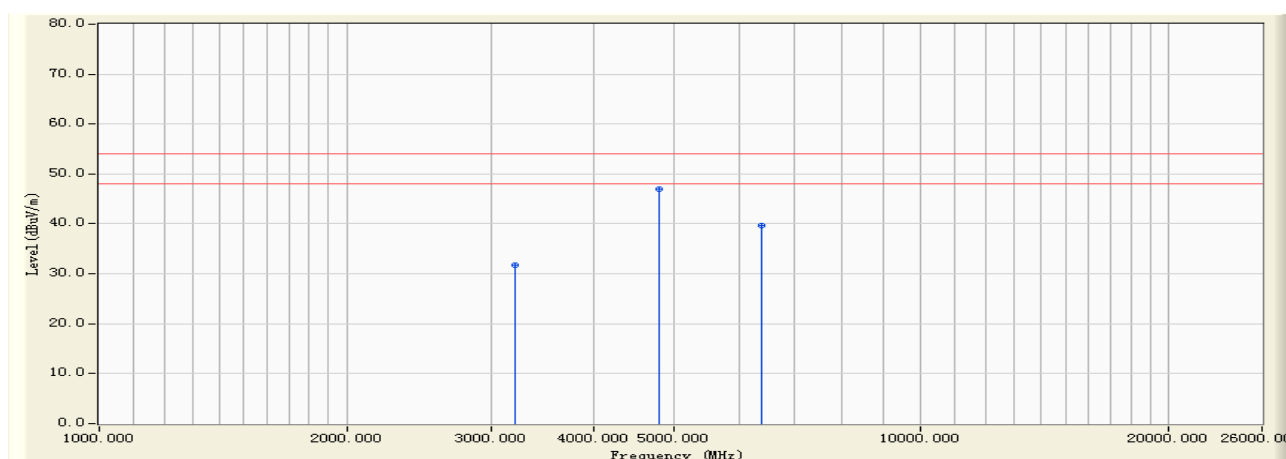
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3200.000	-12.285	52.777	40.492	-33.478	73.970	PEAK
2	*	4800.000	-5.389	63.472	58.083	-15.887	73.970	PEAK
3		6400.000	-4.098	51.425	47.327	-26.643	73.970	PEAK

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 : 2009/05/08 - 11:38
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Notebook Computer	Probe : VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11g 2412M



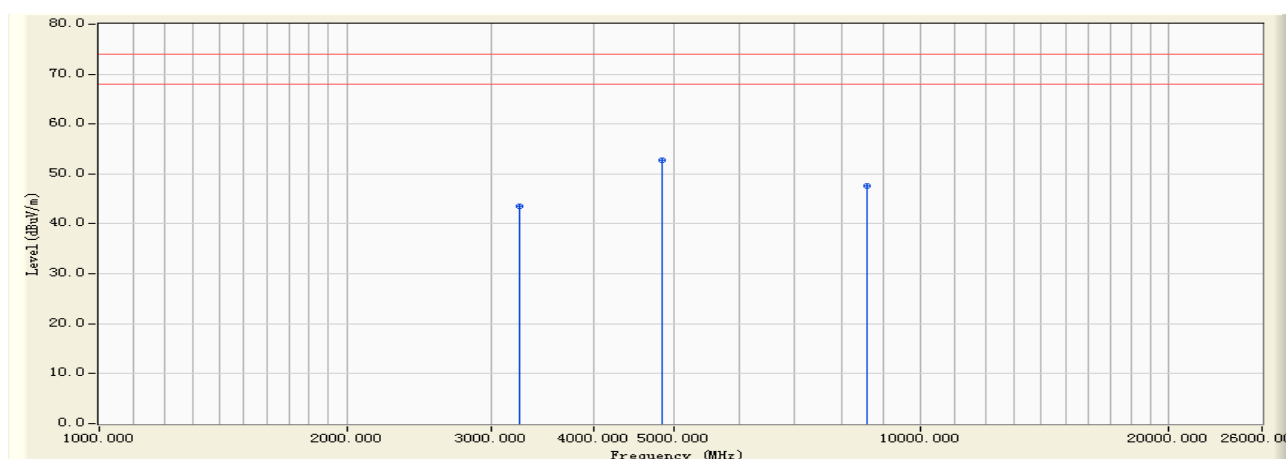
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3200.000	-12.285	43.980	31.695	-22.275	53.970	AVERAGE
2	*	4800.000	-5.389	52.380	46.991	-6.979	53.970	AVERAGE
3		6400.000	-4.098	43.670	39.572	-14.398	53.970	AVERAGE

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 : 2009/05/08 - 11:45
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Notebook Computer	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 5: Transmit by 802.11g 2437M



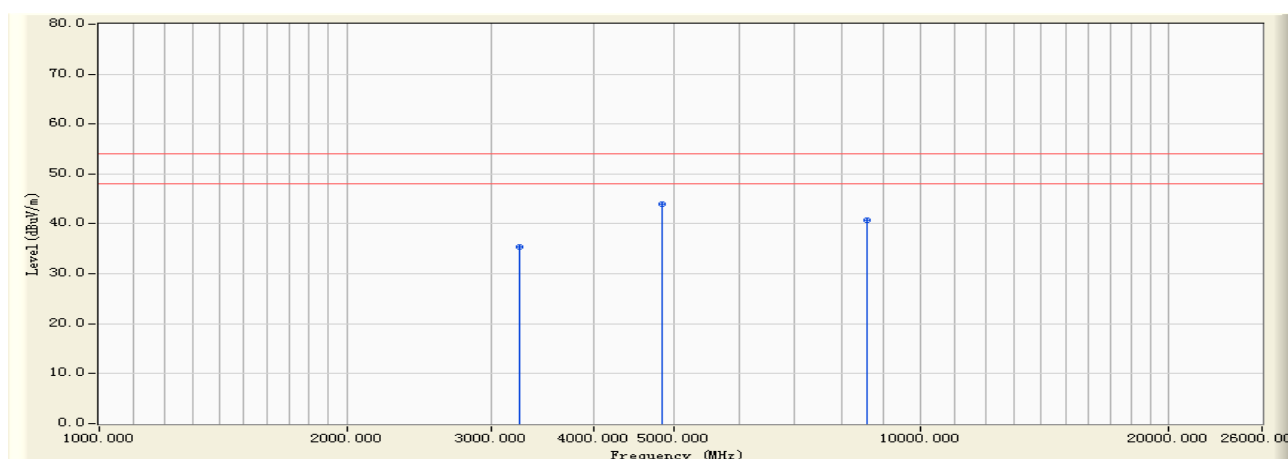
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	55.807	43.551	-30.419	73.970	PEAK
2	*	4850.000	-5.369	58.133	52.764	-21.206	73.970	PEAK
3		8600.000	-0.911	48.606	47.694	-26.276	73.970	PEAK

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 : 2009/05/08 - 11:45
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Notebook Computer	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 5: Transmit by 802.11g 2437M



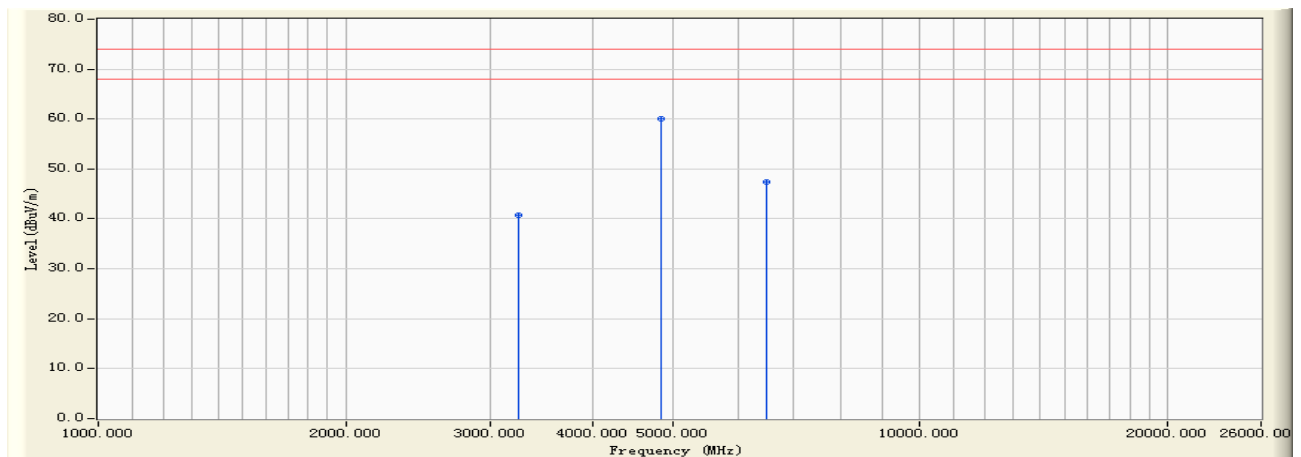
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	47.680	35.424	-18.546	53.970	AVERAGE
2	*	4850.000	-5.369	49.260	43.891	-10.079	53.970	AVERAGE
3		8600.000	-0.911	41.580	40.668	-13.302	53.970	AVERAGE

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 : 2009/05/08 - 11:50
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Notebook Computer	Probe : VERTICAL
Power : AC 120V/60Hz	Note : Mode 5: Transmit by 802.11g 2437M



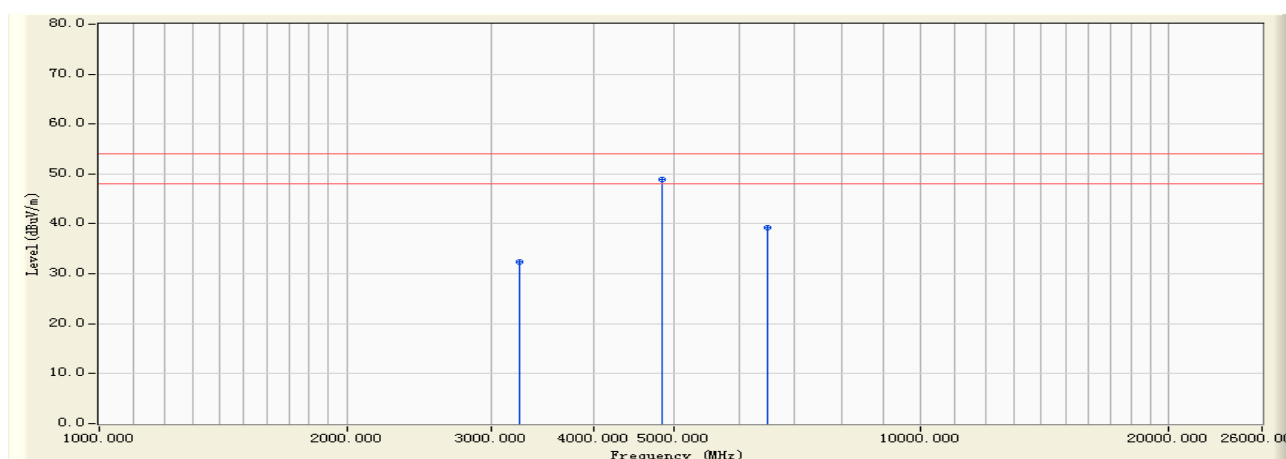
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	53.057	40.801	-33.169	73.970	PEAK
2	*	4850.000	-5.369	65.317	59.948	-14.022	73.970	PEAK
3		6500.000	-4.027	51.426	47.399	-26.571	73.970	PEAK

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 : 2009/05/08 - 11:50
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Notebook Computer	Probe : VERTICAL
Power : AC 120V/60Hz	Note : Mode 5: Transmit by 802.11g 2437M



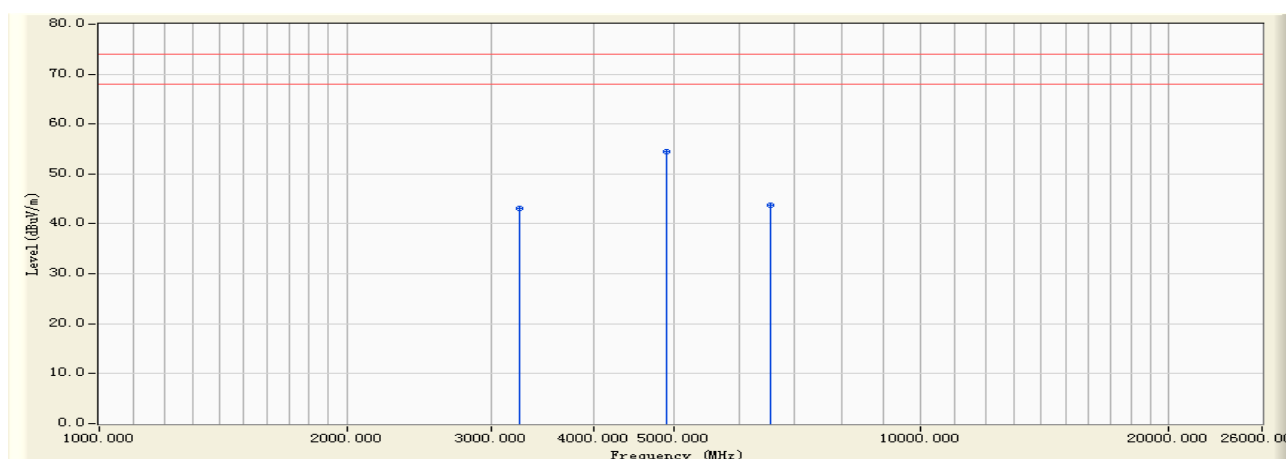
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	44.670	32.414	-21.556	53.970	AVERAGE
2	*	4850.000	-5.369	54.280	48.911	-5.059	53.970	AVERAGE
3		6500.000	-4.027	43.260	39.233	-14.737	53.970	AVERAGE

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 : 2009/05/08 - 11:56
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Notebook Computer	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 6: Transmit by 802.11g 2462M



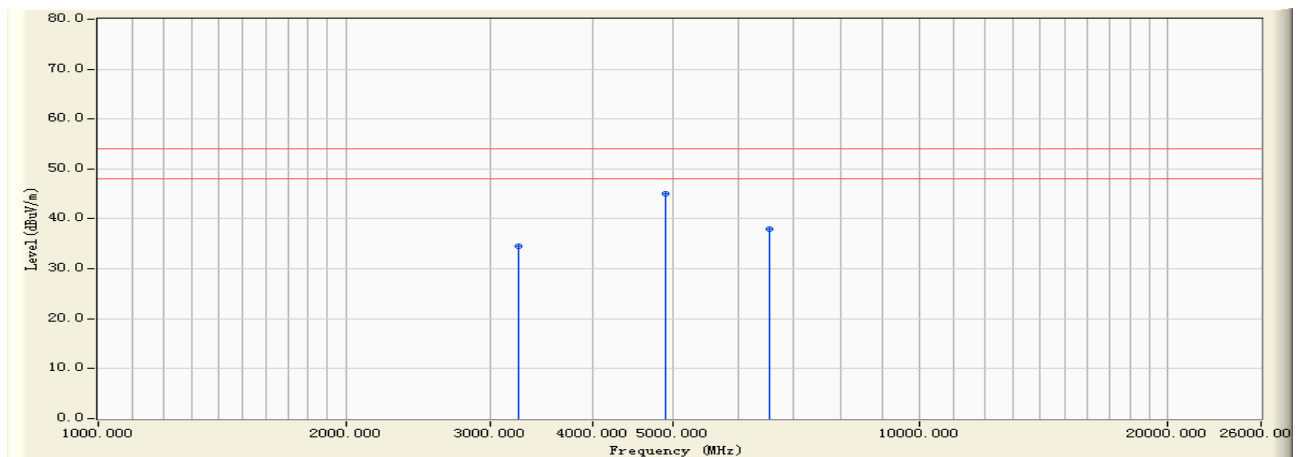
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	55.363	43.107	-30.863	73.970	PEAK
2	*	4900.000	-5.338	59.794	54.456	-19.514	73.970	PEAK
3		6550.000	-4.003	47.725	43.722	-30.248	73.970	PEAK

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 : 2009/05/08 - 11:56
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Notebook Computer	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 6: Transmit by 802.11g 2462M



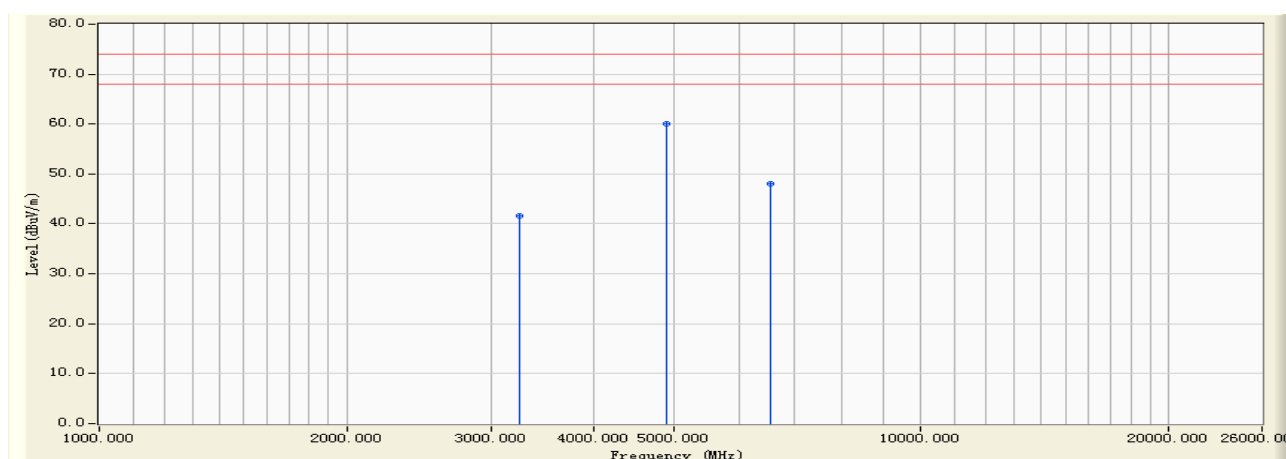
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	46.820	34.564	-19.406	53.970	AVERAGE
2	*	4900.000	-5.338	50.350	45.012	-8.958	53.970	AVERAGE
3		6550.000	-4.003	41.860	37.857	-16.113	53.970	AVERAGE

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 : 2009/05/08 - 12:02
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : Notebook Computer	Probe : VERTICAL
Power : AC 120V/60Hz	Note : Mode 6: Transmit by 802.11g 2462M



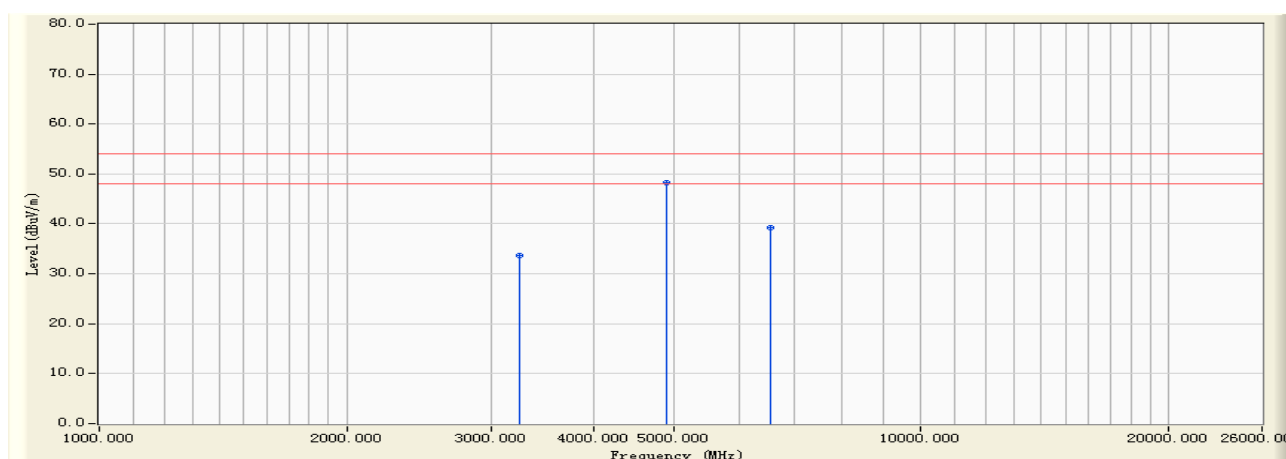
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3250.000	-12.256	53.796	41.540	-32.430	73.970	PEAK
2	*	4900.000	-5.338	65.487	60.149	-13.821	73.970	PEAK
3		6550.000	-4.003	52.050	48.047	-25.923	73.970	PEAK

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 : 2009/05/08 - 12:02
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : Notebook Computer	Probe : VERTICAL
Power : AC 120V/60Hz	Note : Mode 6: 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		3250.000	-12.256	45.890	33.634	-20.336	53.970	AVERAGE
2	*	4900.000	-5.338	53.680	48.342	-5.628	53.970	AVERAGE
3		6550.000	-4.003	43.260	39.257	-14.713	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.

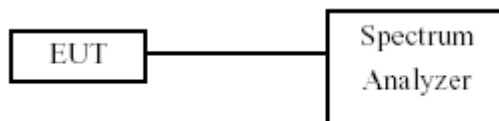
The minimum 6 dB bandwidth shall be at least 500 kHz.

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

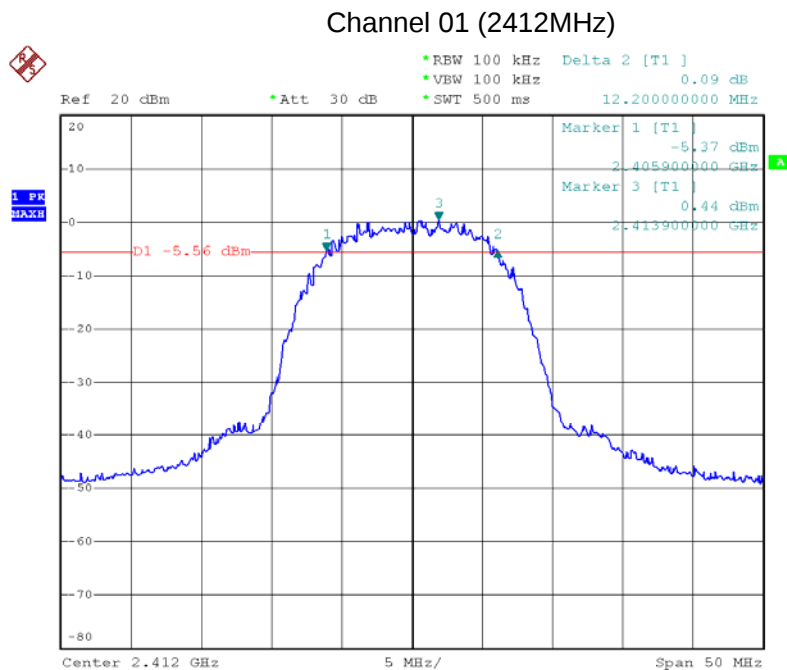
Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date
Spectrum Analyzer	R&S	FSP40	100324	2008.09.28
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2008.10.10



5.5. Test Result and Data

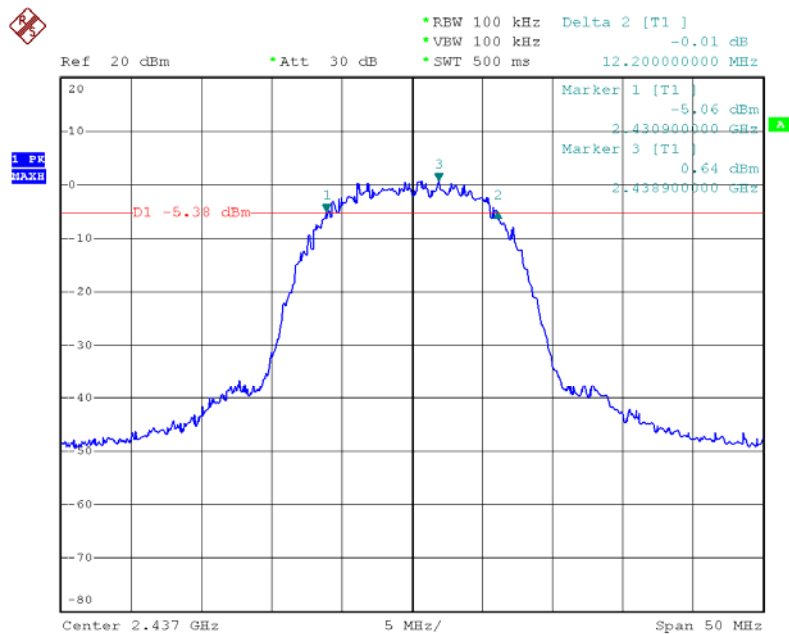
Test Item	Occupied Bandwidth
Test Mode	Mode 1: Transmit by 802.11b
Test Date	2009-05-06

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	12200	500	Pass
06	2437	12200	500	Pass
11	2462	9200	500	Pass

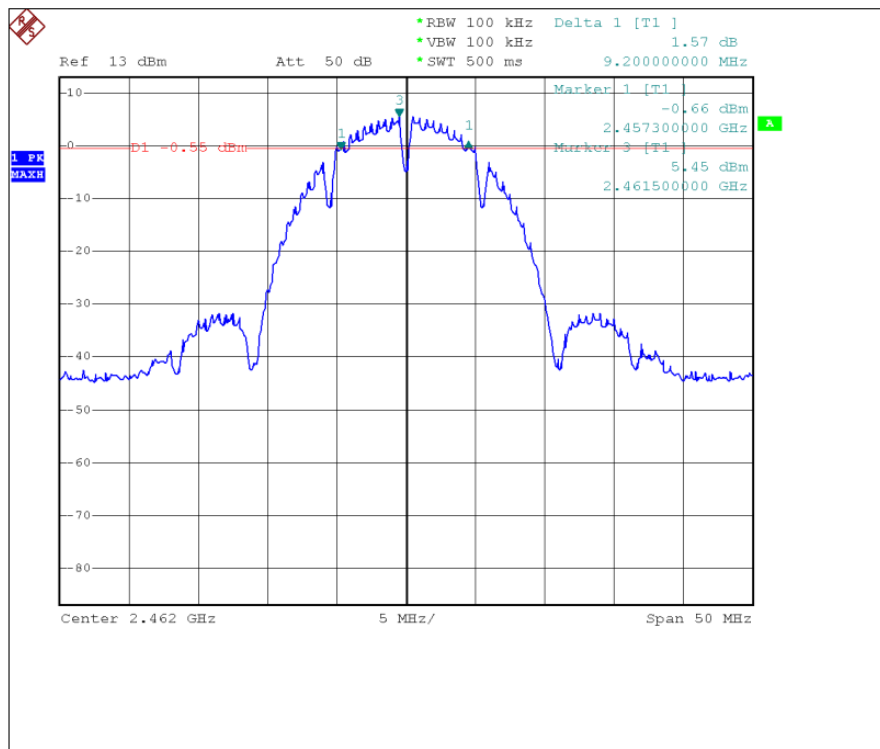




Channel 06 (2437MHz)



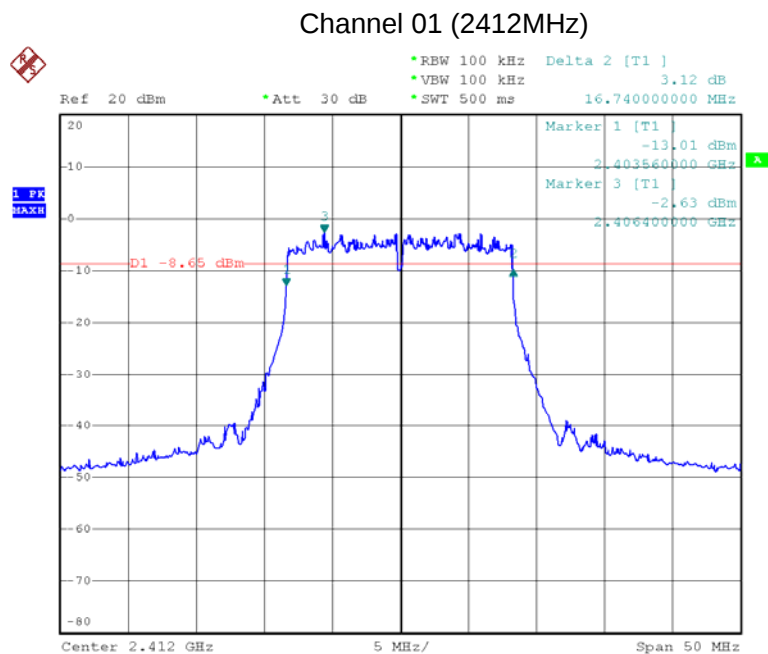
Channel 11 (2462MHz)





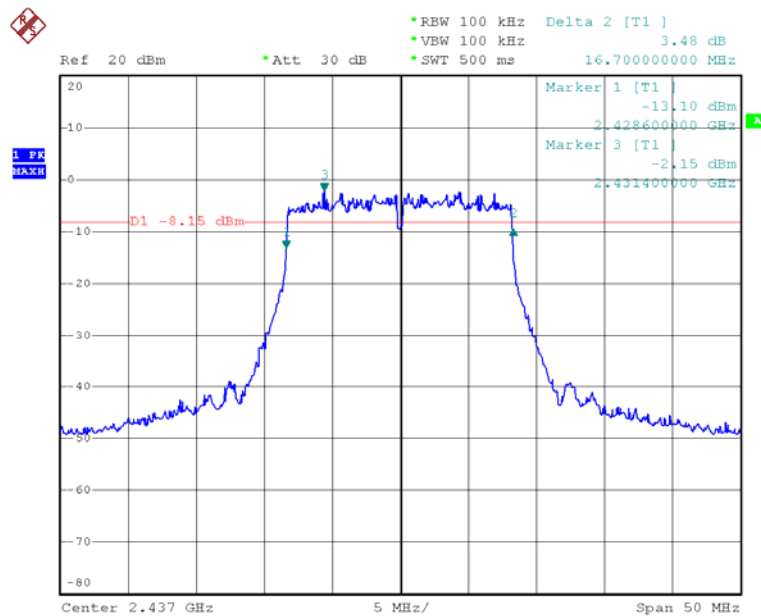
Test Item	Occupied Bandwidth
Test Mode	Mode 2: Transmit by 802.11g
Test Date	2009-05-06

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	16740	500	Pass
06	2437	16700	500	Pass
11	2462	16700	500	Pass

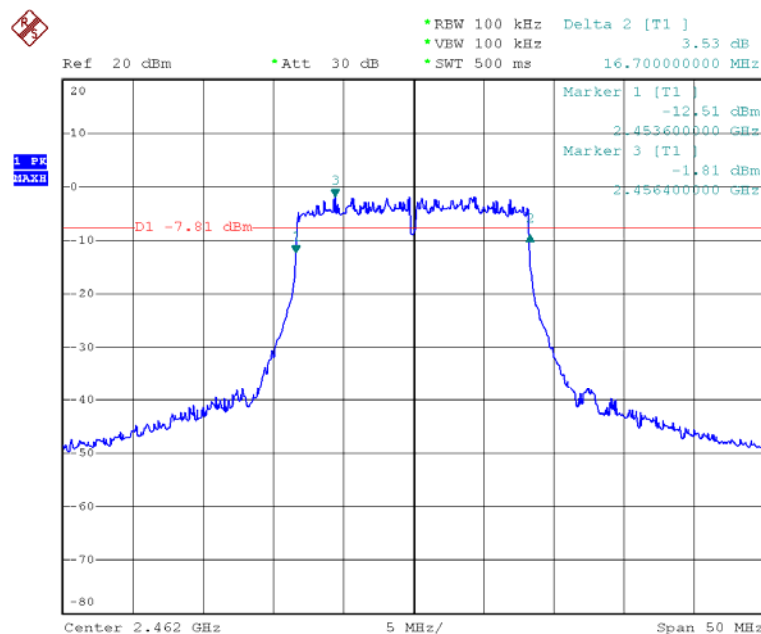




Channel 06 (2437MHz)



Channel 11 (2462MHz)





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.

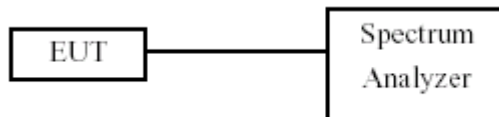
As "T" $\geq$ sweep time, the test procedure will be used as following:

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

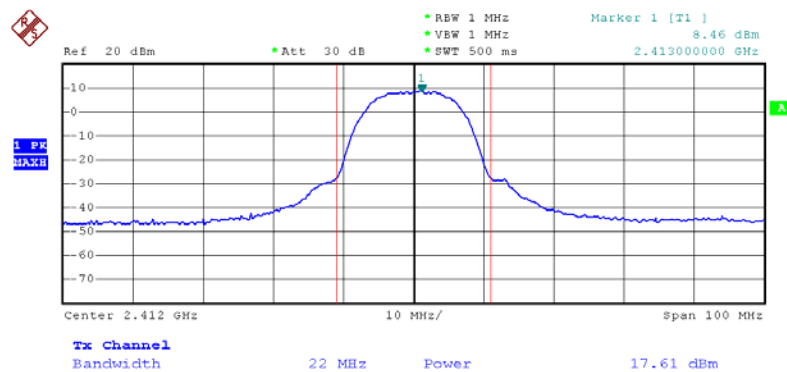


6.5. Test Result and Data

Test Item	Maximum Peak Output Power
Test Mode	Mode 1: Transmit by 802.11b
Test Date	2009-05-06

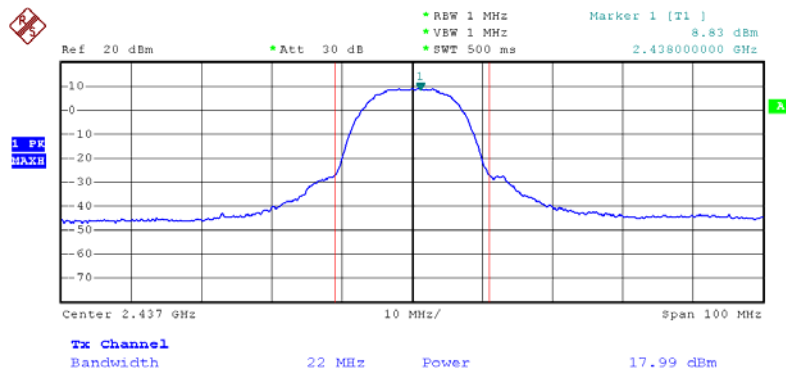
Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit (dBm)	Result
01	2412	17.61	30 dBm	Pass
06	2437	17.99	30 dBm	Pass
11	2462	18.72	30 dBm	Pass

Channel 01 (2412MHz)

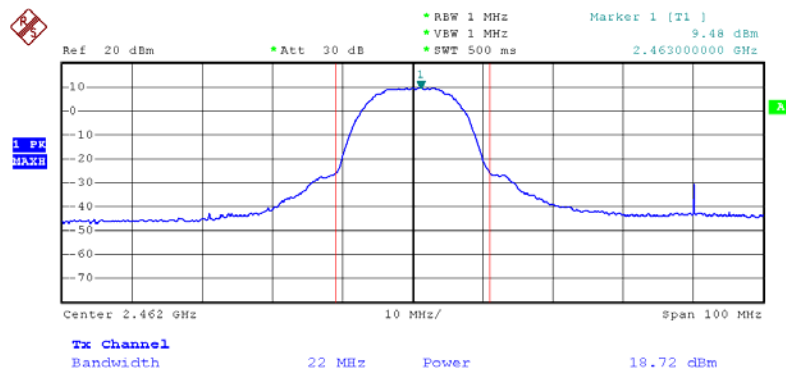




Channel 06 (2437MHz)



Channel 11 (2462MHz)

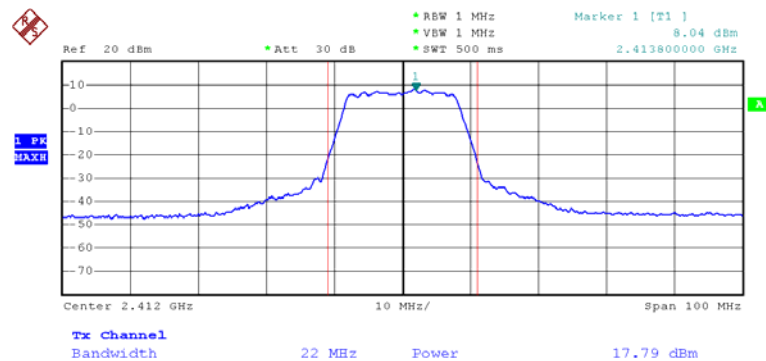




Test Item	Maximum Peak Output Power
Test Mode	Mode 2: Transmit by 802.11g
Test Date	2009-05-06

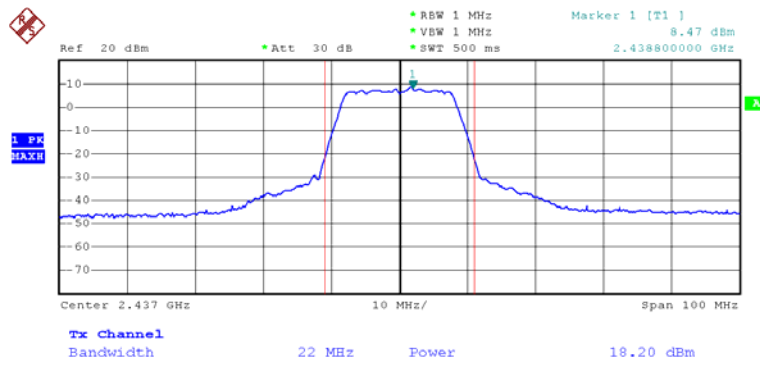
Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit (dBm)	Result
01	2412	17.79	30 dBm	Pass
06	2437	18.20	30 dBm	Pass
11	2462	18.83	30 dBm	Pass

Channel 01 (2412MHz)

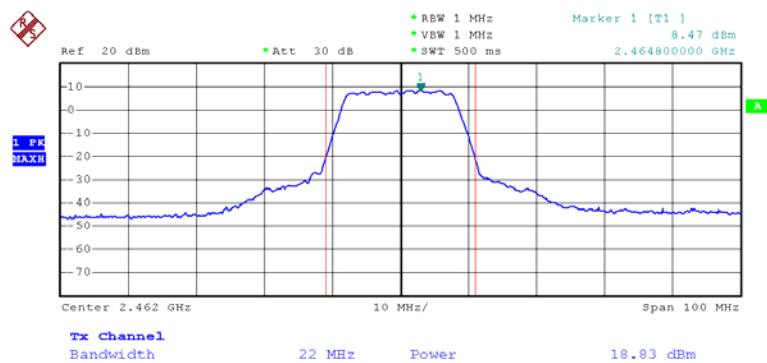




Channel 06 (2437MHz)



Channel 11 (2462MHz)





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.

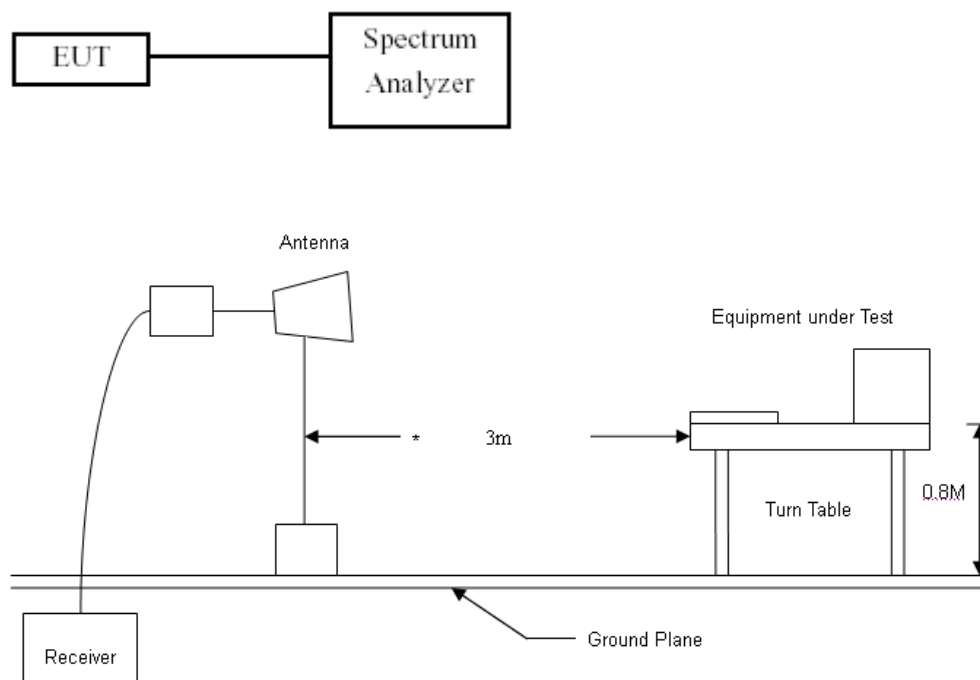
The spectrum from 30MHz to 26GHz is investigated with the transmitter set to the lowest, middle and highest channels in the 2.4GHz band.

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



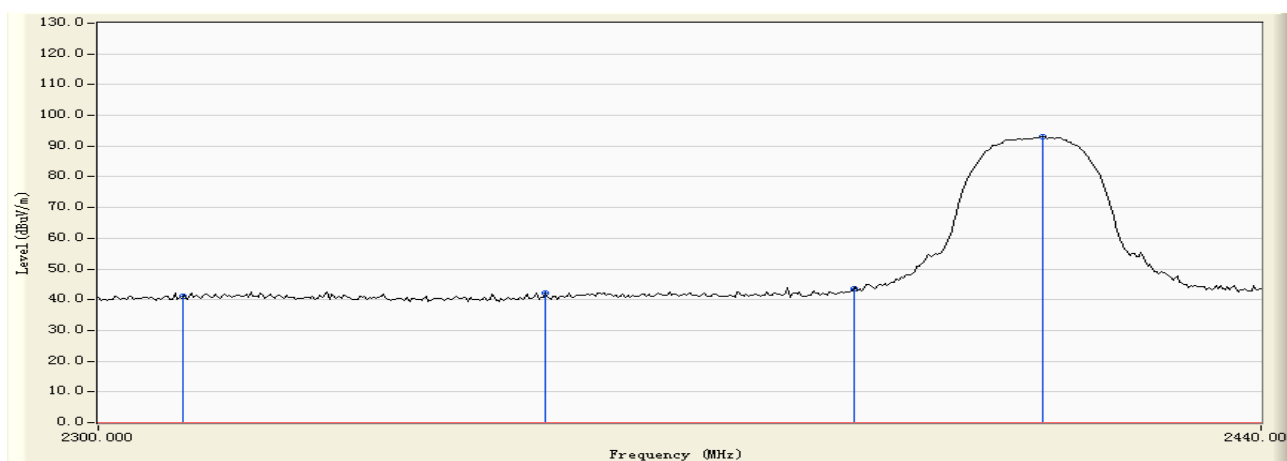
7.4. Measurement Equipment

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	2008.07.01
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 : 2009/05/07 - 17:42
EUT : Notebook Computer	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b 2412MHz



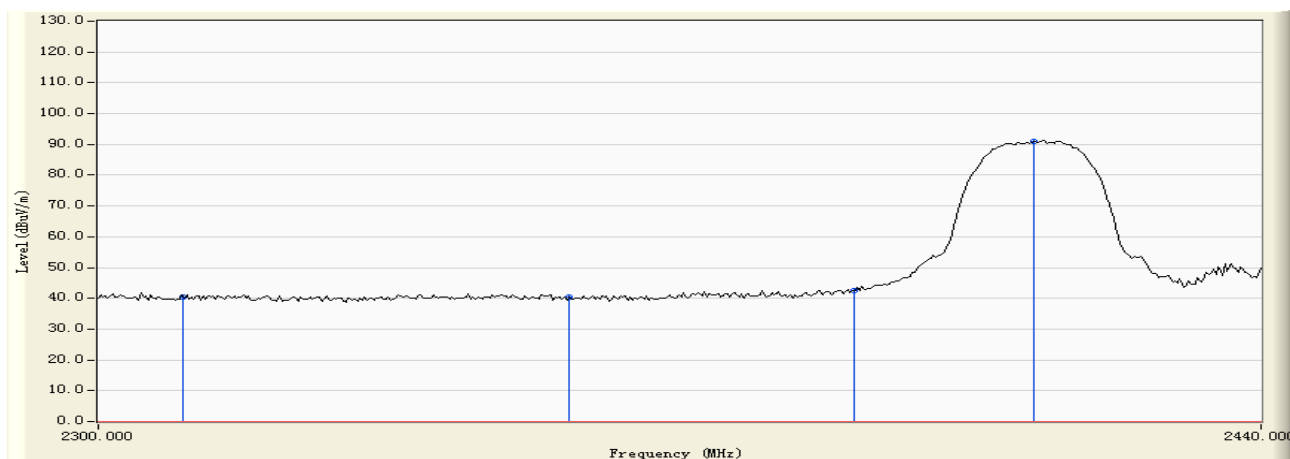
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-13.868	54.952	41.084	-32.886	73.970	PEAK
2		2352.920	-13.700	55.988	42.288	-31.682	73.970	PEAK
3		2390.000	-13.552	56.990	43.438	-30.532	73.970	PEAK
4	*	2413.120	-13.452	106.522	93.070	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. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/05/07 - 17:47
EUT : Notebook Computer	Probe : VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b 2412MHz



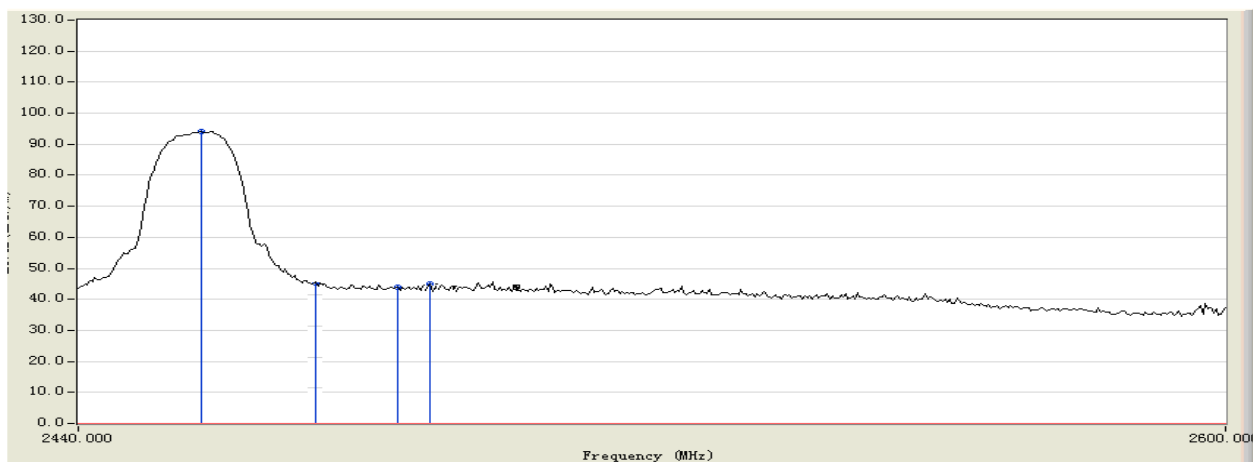
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-13.868	54.284	40.416	-33.554	73.970	PEAK
2		2355.720	-13.691	54.159	40.469	-33.501	73.970	PEAK
3		2390.000	-13.552	55.991	42.439	-31.531	73.970	PEAK
4	*	2412.000	-13.456	104.331	90.875	16.905	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 : 2009/05/07 - 17:51
EUT : Notebook Computer	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11b 2462M



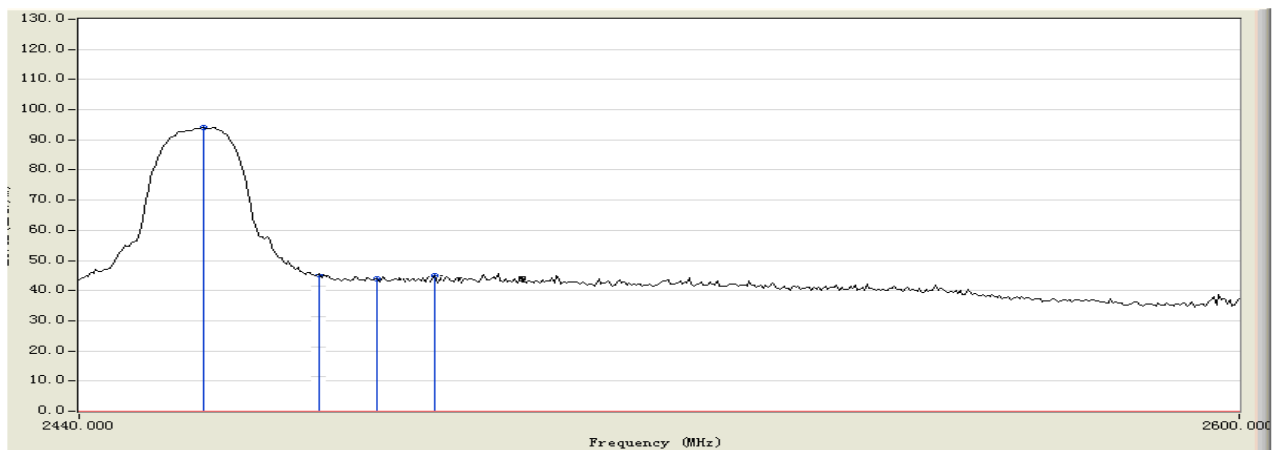
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2463.640	-13.271	107.449	94.178	20.208	73.970	PEAK
2		2483.500	-13.158	57.093	43.934	-30.036	73.970	PEAK
3		2495.200	-13.121	57.910	44.789	-29.181	73.970	PEAK
4		2500.000	-13.090	56.872	43.782	-30.188	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 : 2009/05/07 - 17:53
EUT : Notebook Computer	Probe : VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11b 2462M



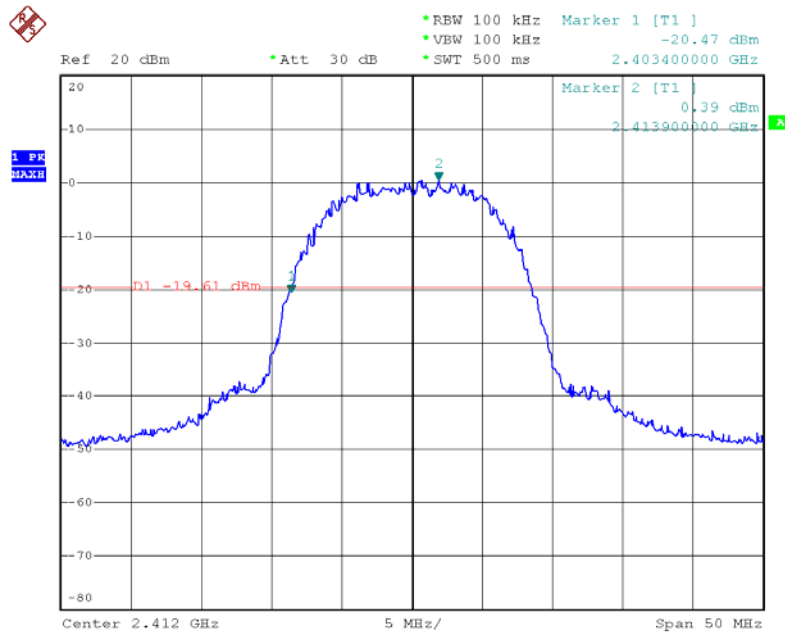
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2463.640	-13.271	104.887	91.616	17.646	73.970	PEAK
2		2483.500	-13.158	54.547	41.388	-32.582	73.970	PEAK
3		2491.760	-13.108	56.359	43.251	-30.719	73.970	PEAK
4		2500.000	-13.090	54.058	40.968	-33.002	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

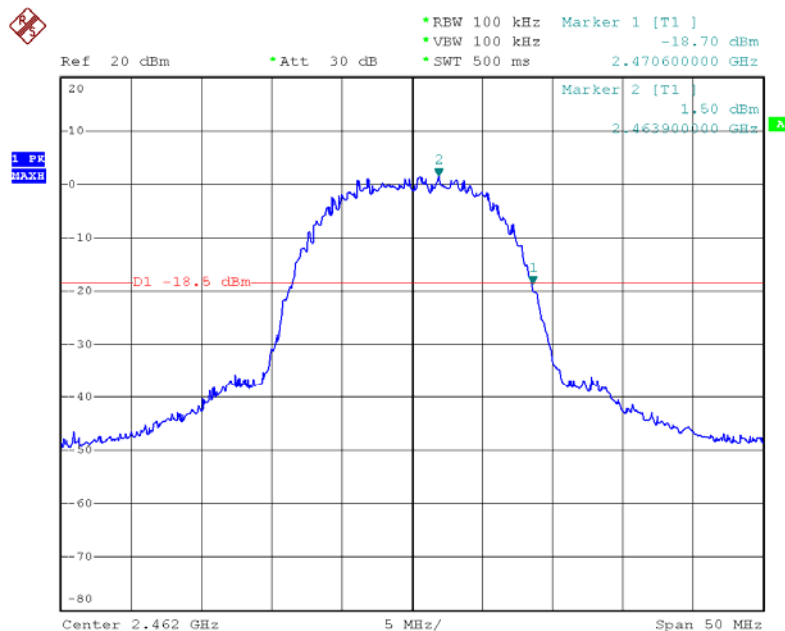
Band Edge (20dBc RF Conducted Measurement)

Mode 1: Transmit by 802.11b (2412MHz)



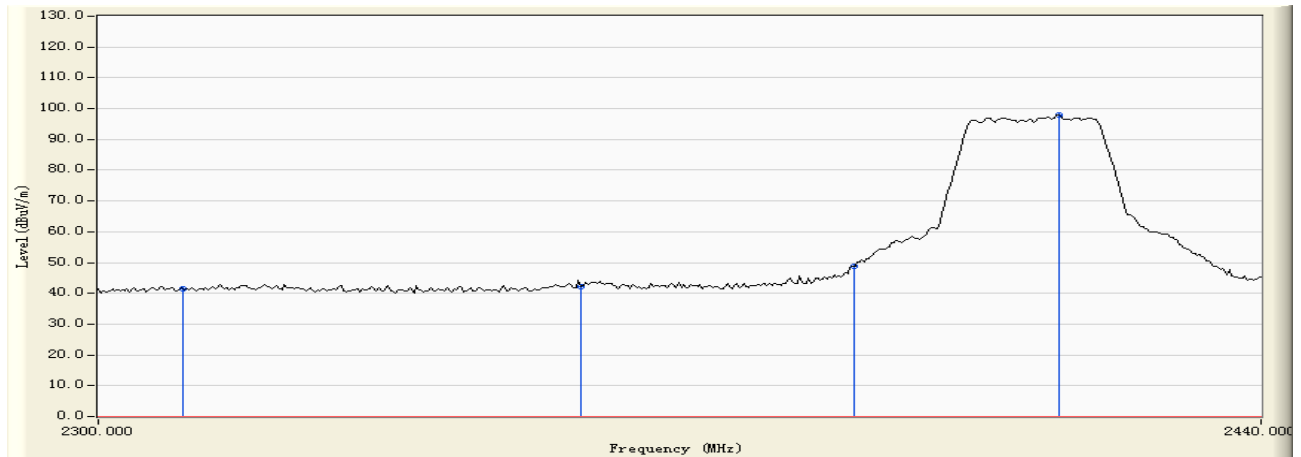
Band Edge (20dBc RF Conducted Measurement)

Mode 3: Transmit by 802.11b (2462MHz)





Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/05/07 - 17:58
EUT : Notebook Computer	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11g 2412M



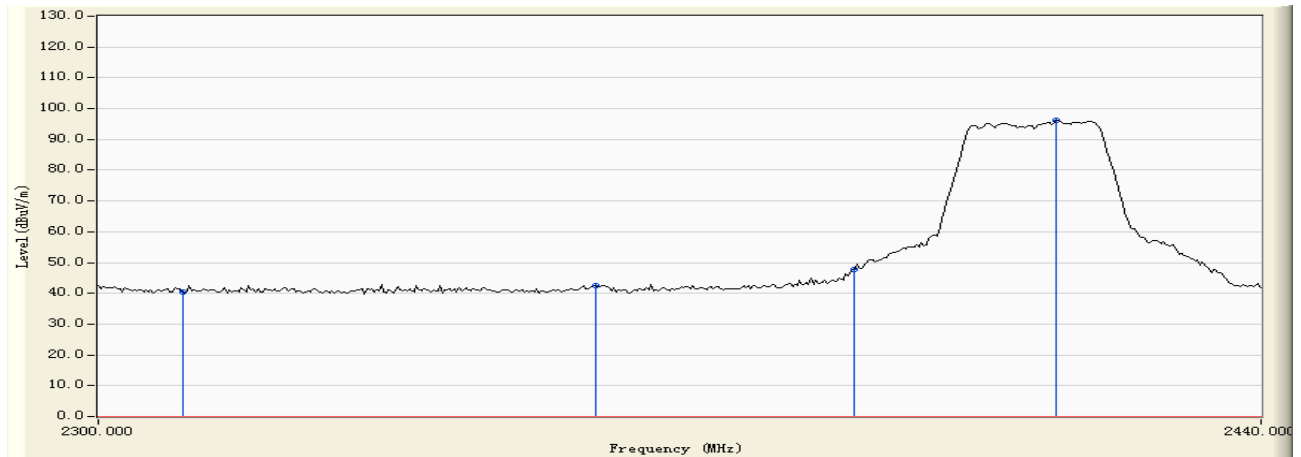
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-13.868	55.281	41.413	-32.557	73.970	PEAK
2		2357.120	-13.685	55.802	42.116	-31.854	73.970	PEAK
3		2390.000	-13.552	62.252	48.700	-25.27	73.970	PEAK
4	*	2415.080	-13.442	111.318	97.877	23.907	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 : 2009/05/07 - 17:59
EUT : Notebook Computer	Probe : VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11g 2412M



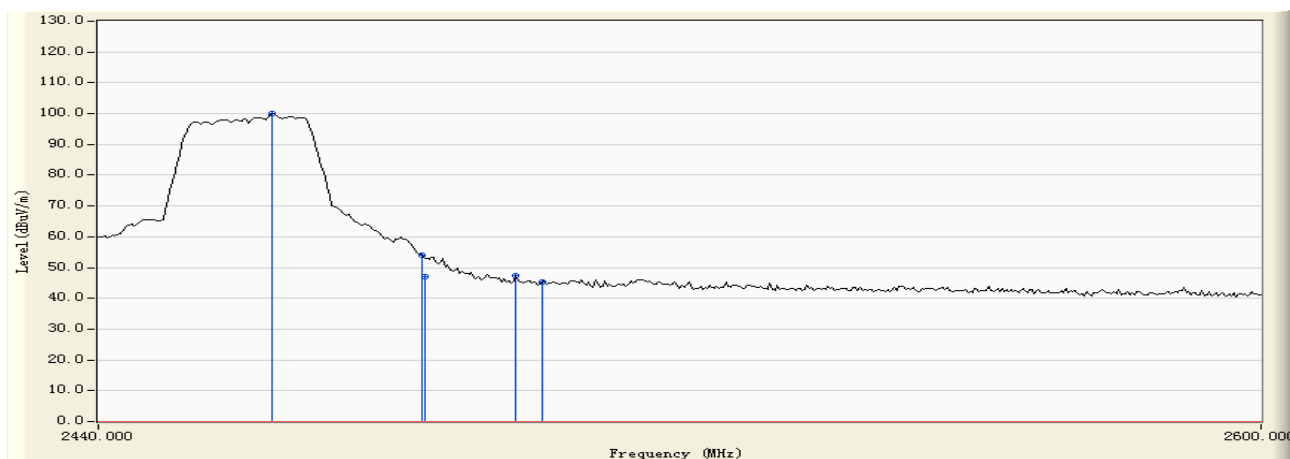
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-13.868	54.205	40.337	-33.633	73.970	PEAK
2		2358.800	-13.680	56.301	42.621	-31.349	73.970	PEAK
3		2390.000	-13.552	61.446	47.894	-26.076	73.970	PEAK
4	*	2414.800	-13.443	109.699	96.256	22.286	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 : 2009/05/07 - 18:02
EUT : Notebook Computer	Probe : HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 6: Transmit by 802.11g 2462M



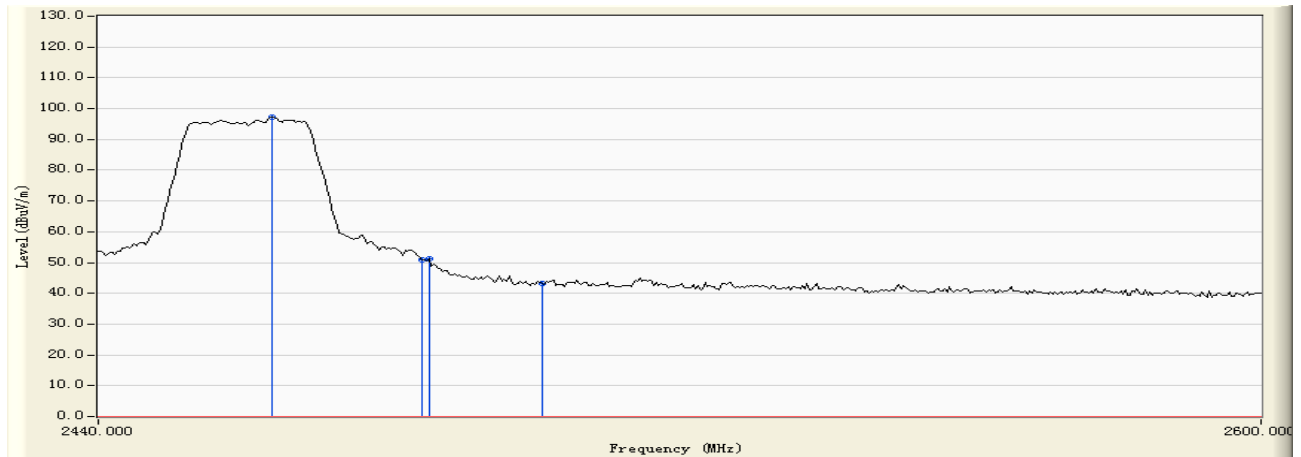
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2463.360	-13.245	113.108	99.863	25.893	73.970	PEAK
2		2483.500	-13.158	67.142	53.983	-19.987	73.970	PEAK
3		2483.954	-13.158	60.350	47.193	-6.777	53.970	AVERAGE
4		2496.320	-13.098	60.617	47.519	-26.451	73.970	PEAK
5		2500.000	-13.090	58.456	45.366	-28.604	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 : 2009/05/07 - 18:04
EUT : Notebook Computer	Probe : VERTICAL
Power : AC 120V/60Hz	Note : Mode 6: Transmit by 802.11g 2462M



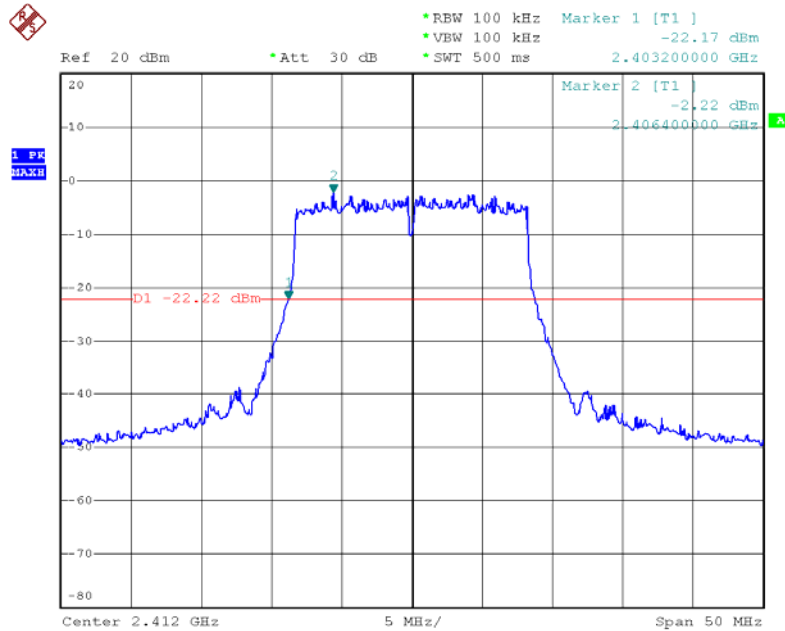
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2463.360	-13.245	110.569	97.324	23.354	73.970	PEAK
2		2483.500	-13.158	64.036	50.877	-23.093	73.970	PEAK
3		2484.480	-13.155	64.489	51.334	-22.636	73.970	PEAK
4		2500.000	-13.090	56.281	43.191	-30.779	73.970	PEAK

Note:

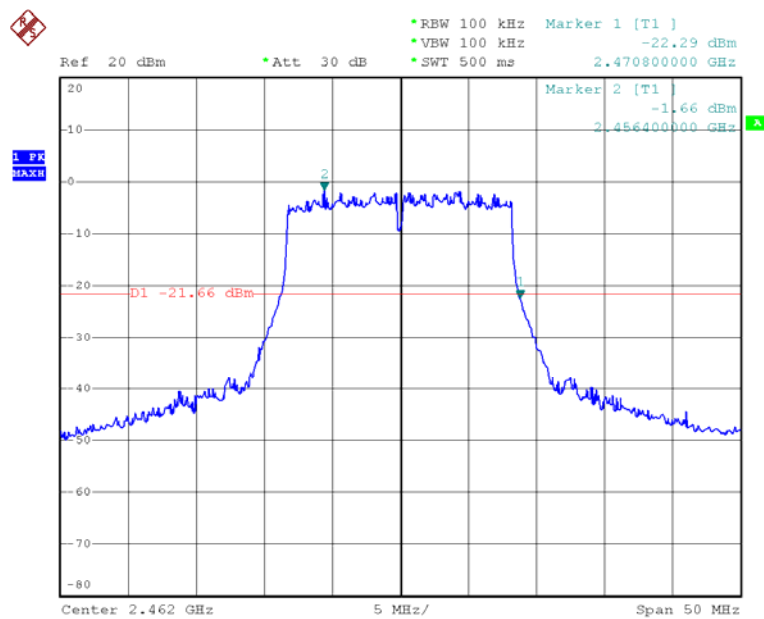
1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



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



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





8. Power Spectral Density

8.1. Test Limit

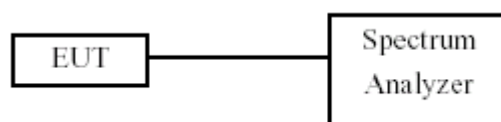
For digitally modulated systems, the power spectral density conducted from the intentional radiated to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

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 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

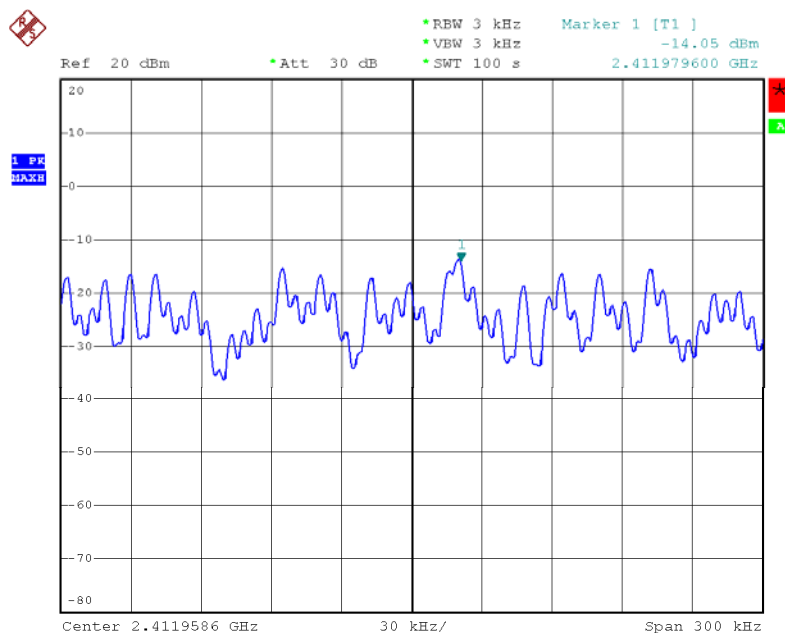


8.5. Test Result and Data

Test Item	Power Spectral Density
Test Mode	Mode 1: Transmit by 802.11b
Test Date	2009-05-06

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-14.05	8	Pass
06	2437	-14.13	8	Pass
11	2462	-13.47	8	Pass

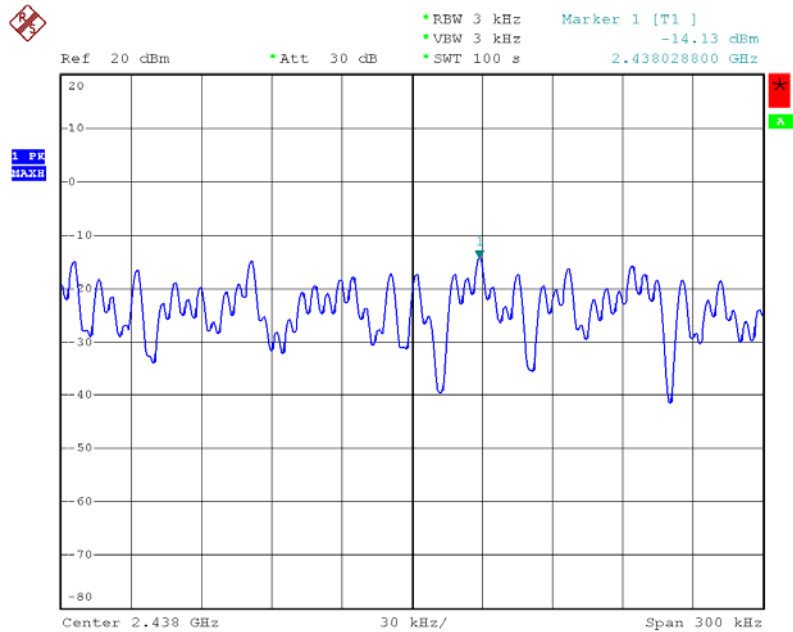
Channel 01 (2412MHz)



Date: 6.MAY.2009 18:38:13

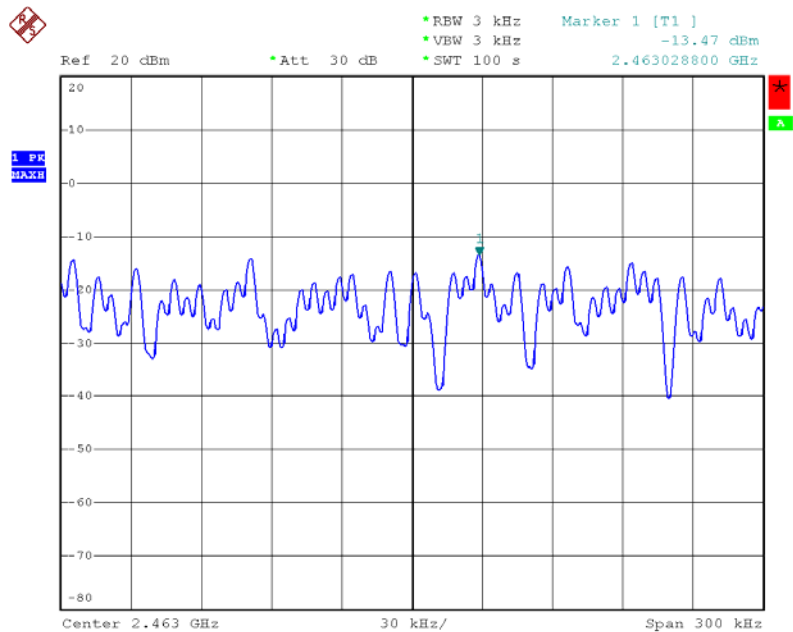


Channel 06 (2437MHz)



Date: 6.MAY.2009 18:41:04

Channel 11 (2462MHz)



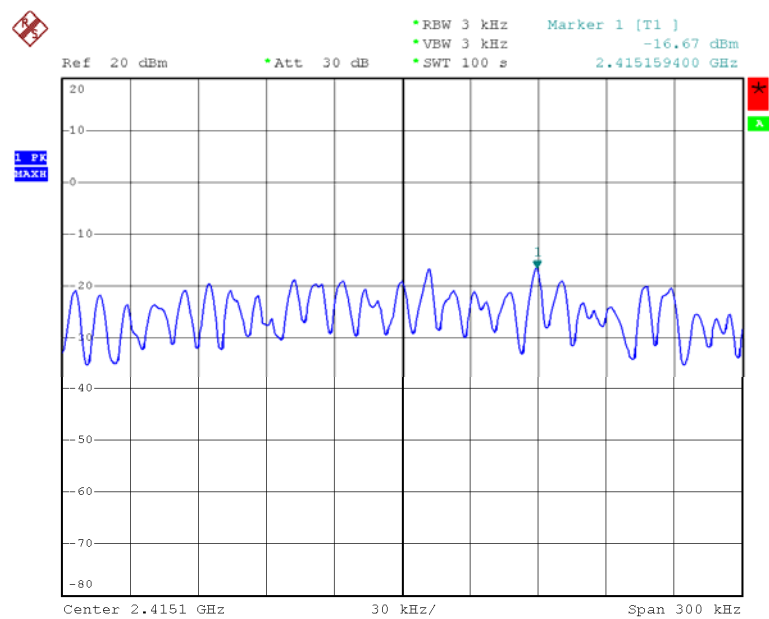
Date: 6.MAY.2009 18:44:51



Test Item	Power Spectral Density
Test Mode	Mode 2: Transmit by 802.11g
Test Date	2009-05-06

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-16.67	8	Pass
06	2437	-17.70	8	Pass
11	2462	-16.62	8	Pass

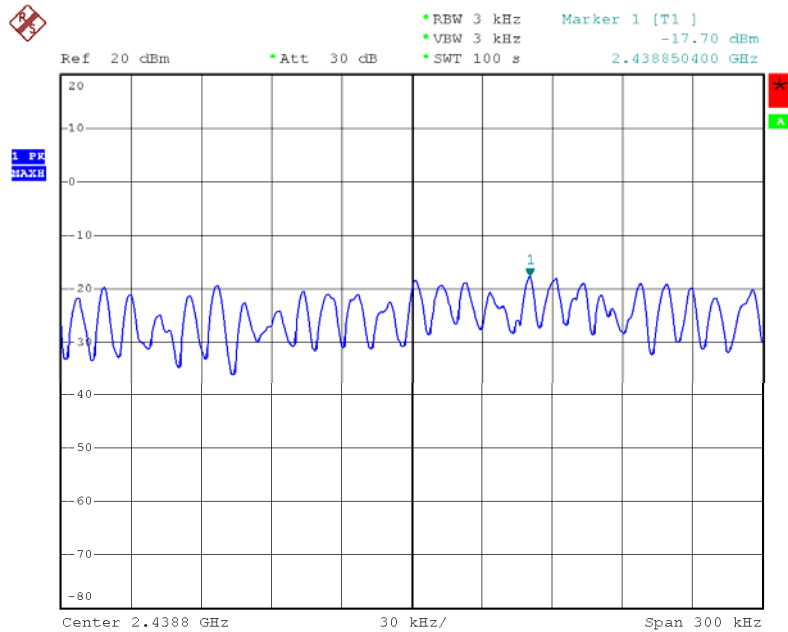
Channel 01 (2412MHz)



Date: 6.MAY.2009 18:53:37

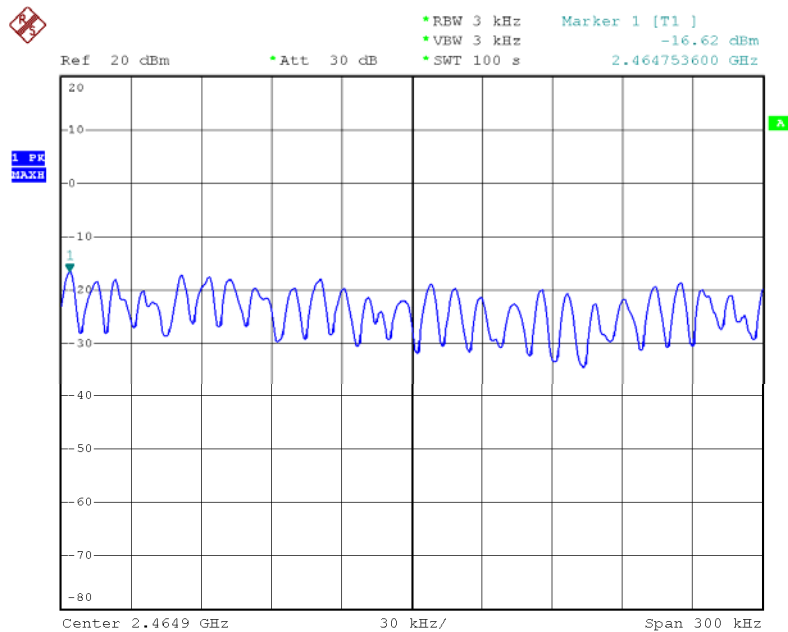


Channel 06 (2437MHz)



Date: 6.MAY.2009 18:52:39

Channel 11 (2462MHz)



Date: 6.MAY.2009 18:51:22