



FCC TEST REPORT

According to

FCC CFR Title 47 Part 15 Subpart C

Applicant	: FOXCONN INTERNATIONAL INC
Address	: 2 TZU YU ST TU-CHENG, TAIPEI HSIEN 236 TAIWAN
Manufacturer	: HONGFUTAI PRECISION ELECTRONICS(YANTAI) CO., LTD
Address	: 8 Jiaxing Rd, HONGFUTAI IND DIST Yantai Economic & Technological Development Area ,264000 Shandong China
Equipment	: QBOX-N270
Model No.	: QBOX-N270
FCC ID	: WXC-QBOX270WBG
Trade Mark	: Foxconn

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Document history

Attachment No.	Date	Description
0903042-SF-01V02-B	Apr. 10, 2009	First issue



FCC TEST REPORT

Authorized under **Declaration of Conformity**

according to

FCC CFR Title 47 Part 15 Subpart C

Applicant : FOXCONN INTERNATIONAL INC
Address : 2 TZU YU ST TU-CHENG,TAIPEI HSIEN 236
TAIWAN
Equipment : QBOX-N270
Model No. : Foxconn

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 Mar. 26, 2009 at **CerpPASS 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

QBOX-N270	Model No:	QBOX-N270
	Trade Mark:	Foxconn
AC Adapter	Manufacturer:	LITEON
	Model No.	PA-1300-04
	Input:	100-240V AC 50-60Hz 1.0A
	Output:	19VDC 1.58A

Component/ Keypart list	
WLAN	WN6302LH Realtek RTL8187SEVersion 1.4
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	1.69 dBi



Keypart list				
No.	Item	Manufactory	Model	Description
1	Motherboard	Foxconn	QBOX-N270-C	QBOX-N270-C-1H60WBO,Intel,ICH7M+945GSE
2	CPU	Intel	Intel Diamondville-sc Processor, FSB533,1.60GHZ	IC,INTEL,AU80586GE025D,C-0,SLB73,G,FC BGA-437,SMD
3	HDD	FUJITSU	MHZ2160BH	HDD,2.5inch SATA 160GB 5400RPM 8MB Cache,G,MHZ2160BH
		WD	WD1600BEVT-22ZCT0	HDD,2.5inch SATA 160GB 5400RPM 8MB Cache,G,WD1600BEVT
		HITACHI	HTS545016B9A300	HDD,2.5inch SATA 160GB 5400RPM 8MB Cache,G, HTS545016B9A300
4	Wireless Card	Realtek	RTL8187SE	IEEE802.11bg, Realtek RTL8187SE
5	Bluetooth	FOXCONN	U40Z014.01	Broadcom BCM2046,G,U40Z014.01
6	Adapter	LITEON	PA-1300-04	input 100V~240V,output 19V,30W,Non PFC,G
7	MEMORY	SIS	WSZ2128M8-J6E	SODIMM,DDR2 667 2GB
			WSY2128M8-J6E	SODIMM,DDR2 667 1GB
		Unigen	UG25T6400M8SU-6AH	SODIMM,DDR2 667 2GB
			UG12T6400M8SU-6AS	SODIMM,DDR2 667 1GB
8	Modem	FOXCONN	Modem Card,MDC1.5,	Conexant CX11270+CX20548,USA,G



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	17.53		54	21.45
	5.5	17.40		48	21.50
	2	17.69		36	21.32
*	1	17.72		24	21.48
	--	--		18	21.52
	--	--		12	21.42
	--	--		9	21.47
	--	--	*	6	21.56



2.4. Test Manner

Test Manner	
a	During testing, the interface cables and equipment positions were varied according to 7 CFR, Part 2, Part 15 and CISPR PUB. 22
b	Setup the EUT and simulators.
c	Setup the test channel and the test mode press ok to start the Continue Transmit.
The test modes	
	Test Mode 1: Transmit by 802.11b
	Test Mode 2: Transmit by 802.11g
	Test Mode 3: Receive by 802.11b
	Test Mode 4: Receive by 802.11g

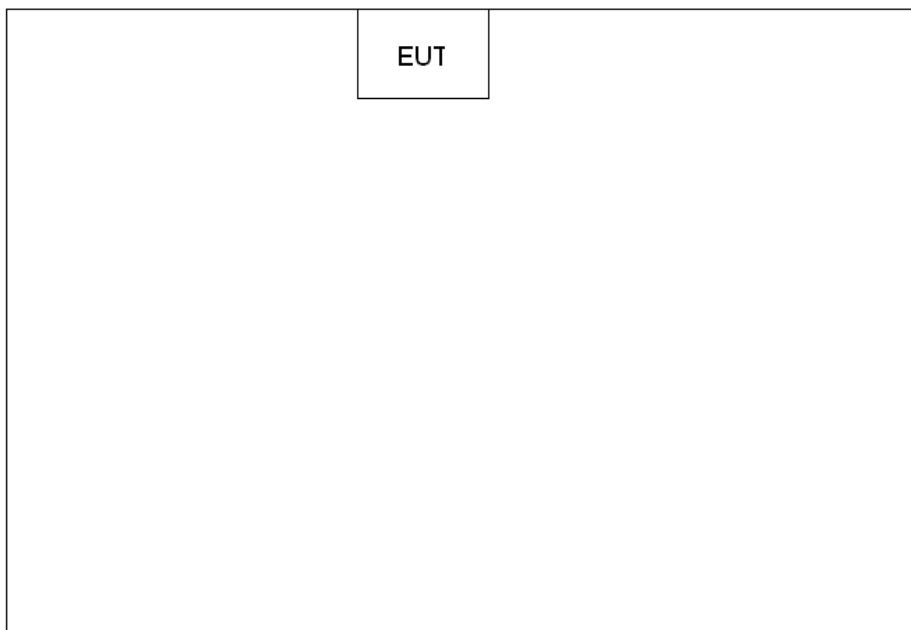


2.5. Description of Test System

EMI

Device	Manufacturer	Model No.	Description
N/A	N/A	N/A	N/A

2.6. Connection Diagram of Test System



**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)

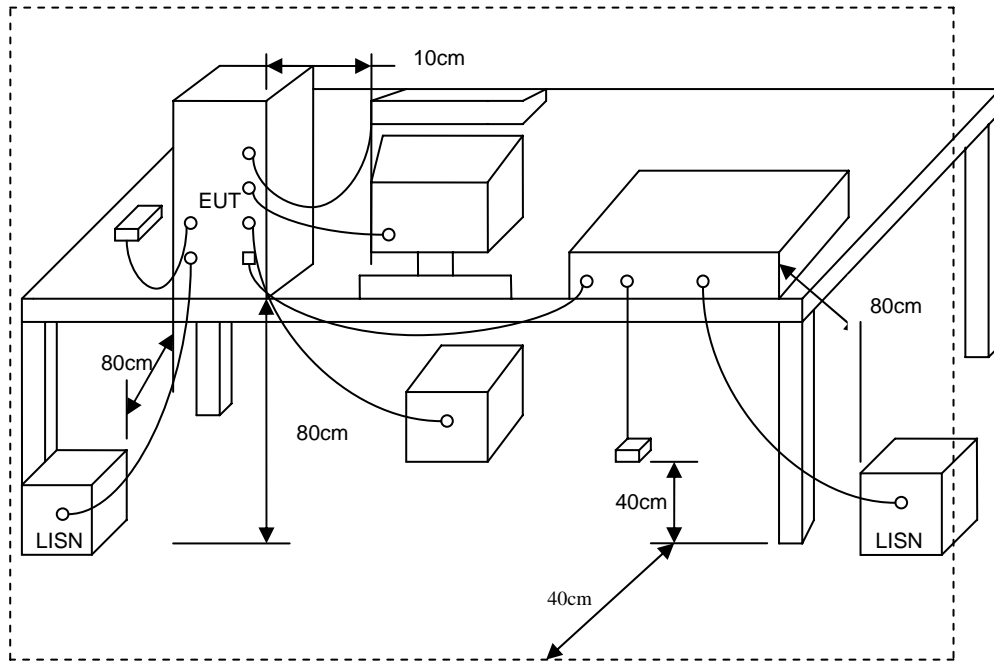
Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

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



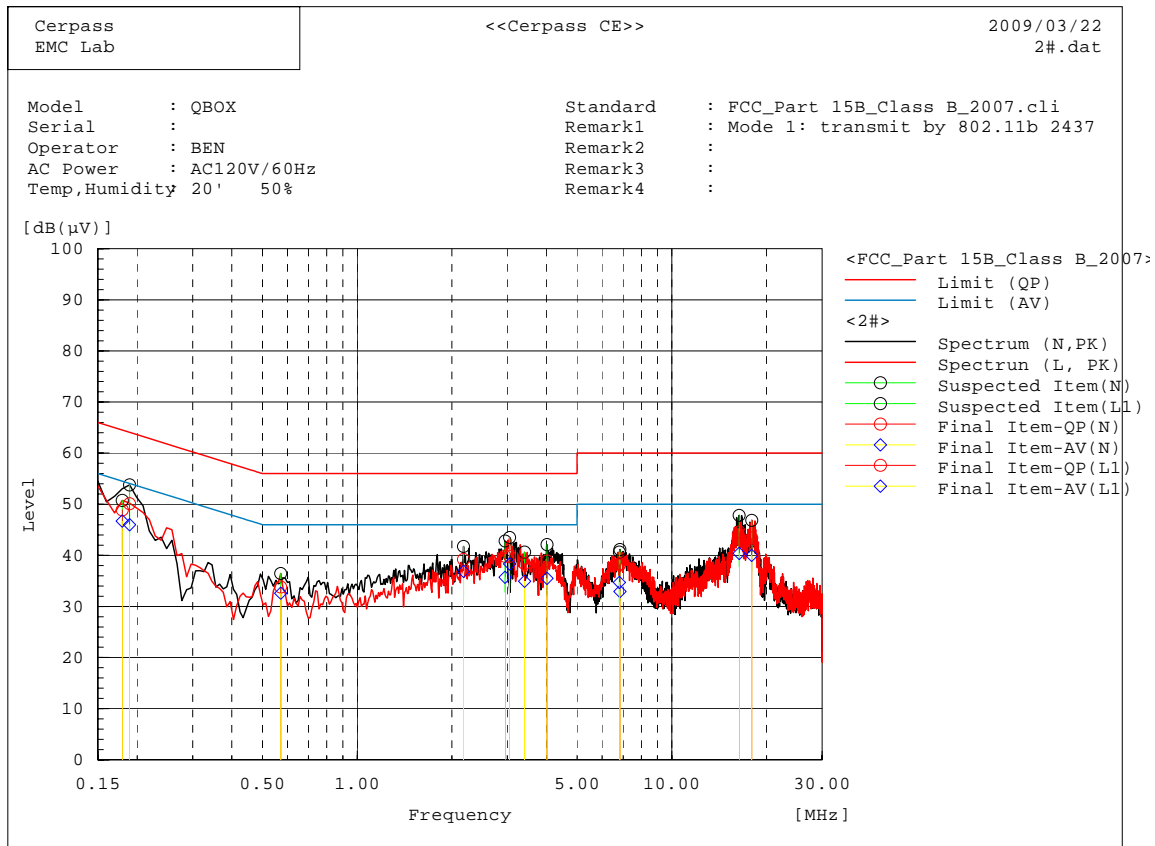
3.4. Measurement Equipment

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

Power : AC120V/60Hz
Test Mode : Mode 1: Transmit by 802.11b
Memo : QBOX-N270
Pol/Phase : L & N
Temperature : 20 °C
Humidity : 50 %

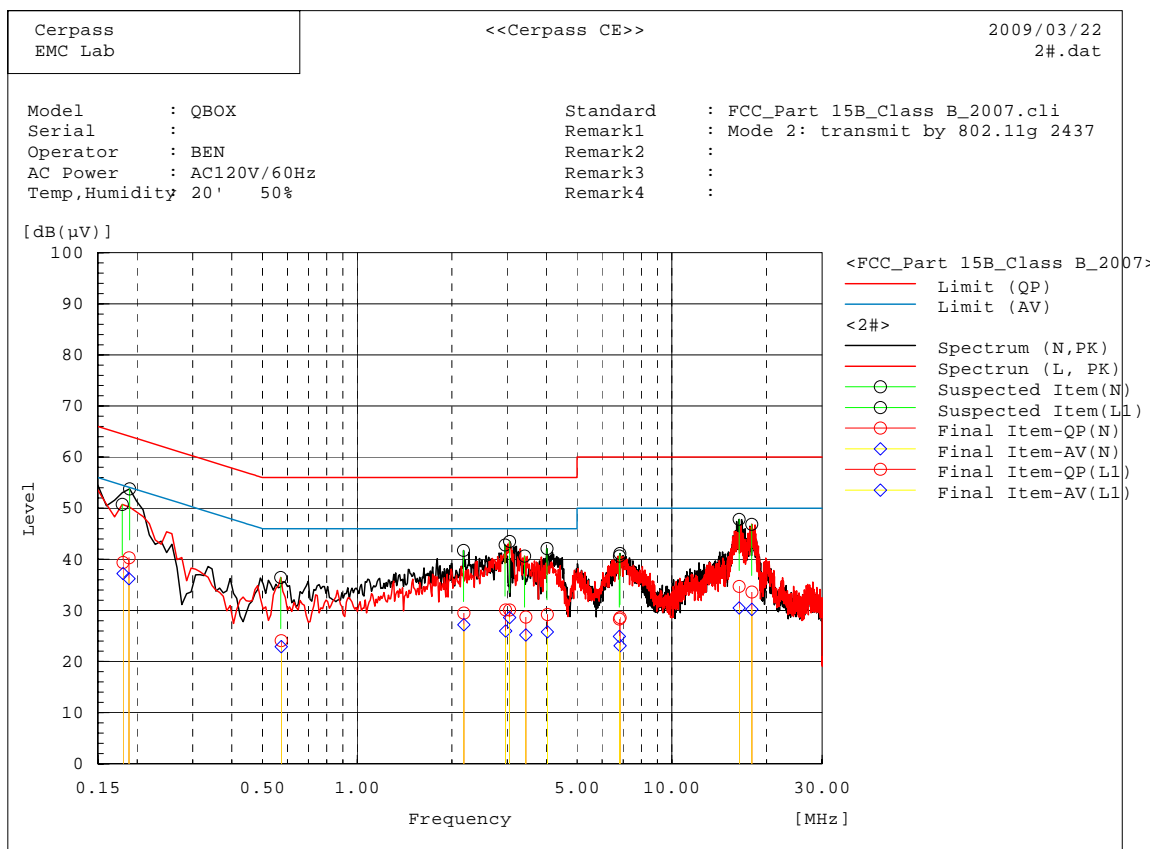




Frequency MHz	Line Phase	Reading		Factor dB	Level		Limit		Margin		Pass/Fail
		dB(uV) QP	dB(uV) AV		dB(uV) QP	dB(uV) AV	dB(uV) QP	dB(uV) AV	dB QP	dB AV	
0.18919	N	40.3	36.2	9.8	50.1	46.0	64.1	54.1	14.0	8.1	Pass
2.17798	N	29.5	27.2	9.7	39.2	36.9	56.0	46.0	16.8	9.1	Pass
2.95194	N	30.1	26.0	9.7	39.8	35.7	56.0	46.0	16.2	10.3	Pass
4.01002	N	29.2	25.8	9.7	38.9	35.5	56.0	46.0	17.1	10.5	Pass
6.8382	N	28.6	23.1	9.8	38.4	32.9	60.0	50.0	21.6	17.1	Pass
16.3534	N	34.6	30.4	10.0	44.6	40.4	60.0	50.0	15.4	9.6	Pass
0.17939	L1	39.4	37.2	9.5	48.9	46.7	64.5	54.5	15.6	7.8	Pass
0.57127	L1	24.1	22.9	9.7	33.8	32.6	56.0	46.0	22.2	13.4	Pass
3.04991	L1	30.1	28.6	9.7	39.8	38.3	56.0	46.0	16.2	7.7	Pass
6.8079	L1	28.3	24.9	9.8	38.1	34.7	60.0	50.0	21.9	15.3	Pass
3.4026	L1	28.7	25.2	9.7	38.4	34.9	56.0	46.0	17.6	11.1	Pass
17.9391	L1	33.5	30.1	9.9	43.4	40.0	60.0	50.0	16.6	10.0	Pass



Power : AC120V/60Hz
Test Mode : Mode 2: Transmit by 802.11g
Memo : QBOX-N270
Pol/Phase : L & N
Temperature : 20 °C
Humidity : 50 %





Frequency MHz	Line Phase	Reading		Factor dB	Level		Limit		Margin		Pass/Fail
		dB(uV) QP	dB(uV) AV		dB(uV) QP	dB(uV) AV	dB(uV) QP	dB(uV) AV	dB QP	dB AV	
0.18845	N	40.3	36.2	0.0	40.3	36.2	64.1	54.1	23.8	17.9	Pass
2.18364	N	29.5	27.2	0.0	29.5	27.2	56.0	46.0	26.5	18.8	Pass
2.96247	N	30.1	26.0	0.0	30.1	26.0	56.0	46.0	25.9	20.0	Pass
4.02105	N	29.2	25.8	0.0	29.2	25.8	56.0	46.0	26.8	20.2	Pass
6.8457	N	28.6	23.1	0.0	28.6	23.1	60.0	50.0	31.4	26.9	Pass
16.3475	N	34.6	30.4	0.1	34.7	30.5	60.0	50.0	25.3	19.5	Pass
0.18021	L1	39.4	37.2	0.0	39.4	37.2	64.5	54.5	25.1	17.3	Pass
0.57341	L1	24.1	22.9	0.0	24.1	22.9	56.0	46.0	31.9	23.1	Pass
3.05023	L1	30.1	28.6	0.0	30.1	28.6	56.0	46.0	25.9	17.4	Pass
6.8125	L1	28.3	24.9	0.0	28.3	24.9	60.0	50.0	31.7	25.1	Pass
3.4354	L1	28.7	25.2	0.0	28.7	25.2	56.0	46.0	27.3	20.8	Pass
17.9487	L1	33.5	30.1	0.1	33.6	30.2	60.0	50.0	26.4	19.8	Pass



3.6. Test Photographs

Front View



Rear View





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.

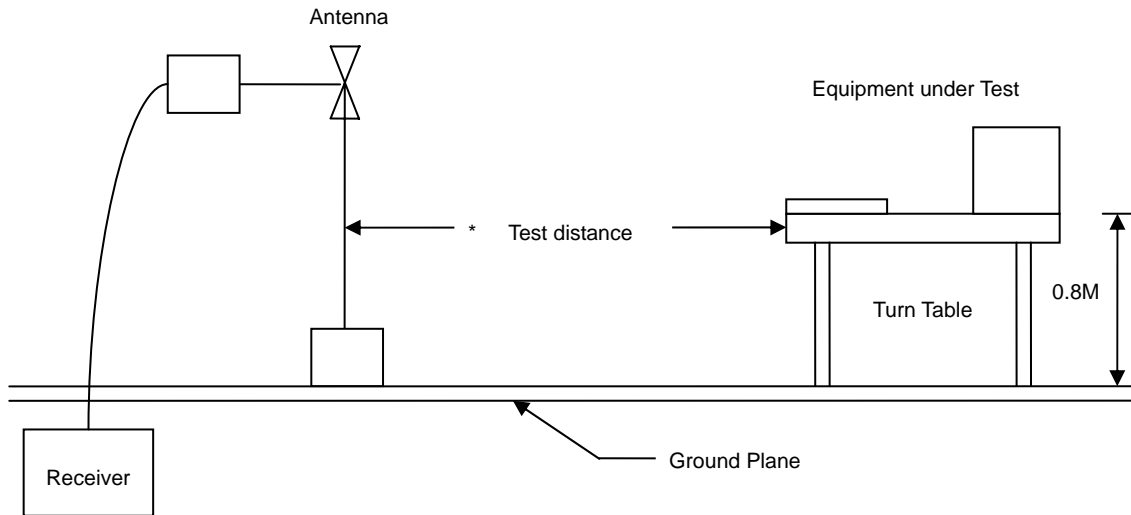
The spectrum from 30MHz to 26GHz is investigated with the transmitter set to the lowest, middle and highest channels in the 2.4GHz band.

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



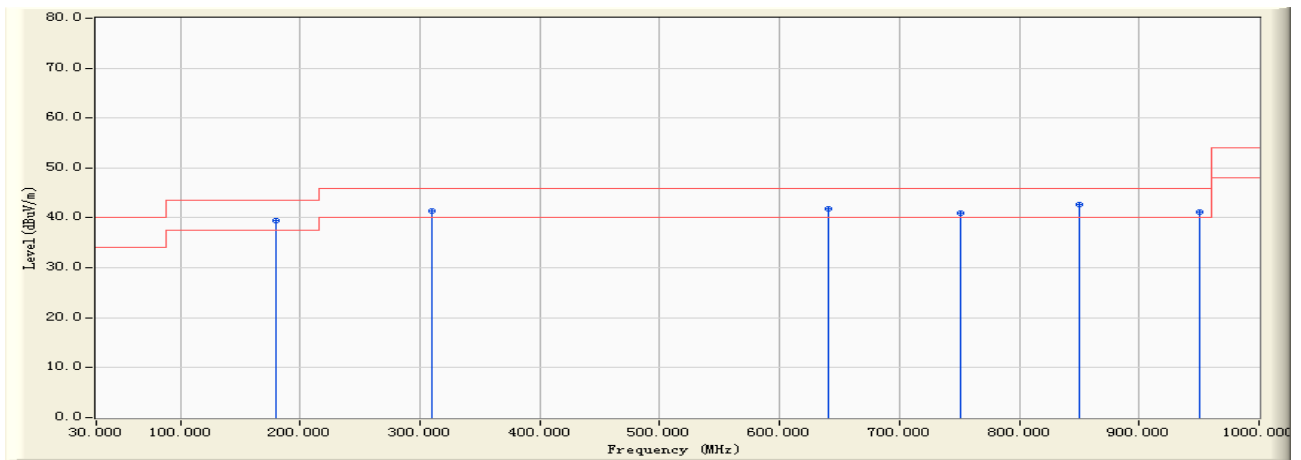
4.4. Measurement Equipment

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

Engineer : summon	
Site : EMC Lab AC 102	Time : 2009/03/25 - 17:26
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC120V/60HZ	Note : Mode 1: Transmit by 802.11b (2412MHz)



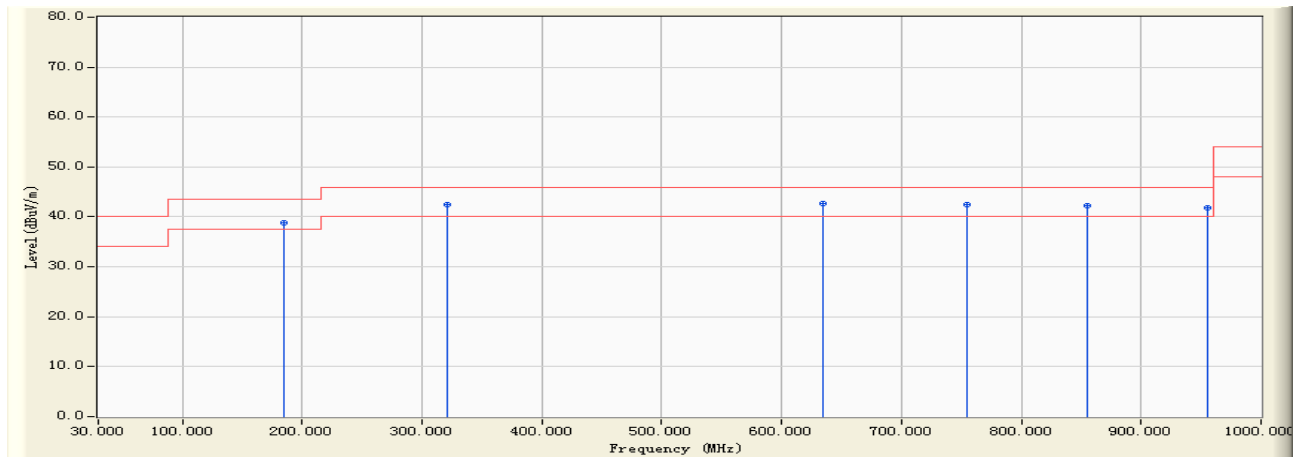
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		180.110	-14.751	54.320	39.569	-3.931	43.500	QUASIPeAK
2		310.150	-10.578	51.940	41.362	-4.638	46.000	QUASIPeAK
3		640.150	-1.734	43.550	41.817	-4.183	46.000	QUASIPeAK
4		751.160	0.435	40.580	41.015	-4.985	46.000	QUASIPeAK
5	*	850.460	2.012	40.670	42.682	-3.318	46.000	QUASIPeAK
6		950.150	3.430	37.670	41.099	-4.901	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 : 2009/03/25 - 17:32
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC120V/60HZ	Note : Mode 1: Transmit by 802.11b (2412 MHz)



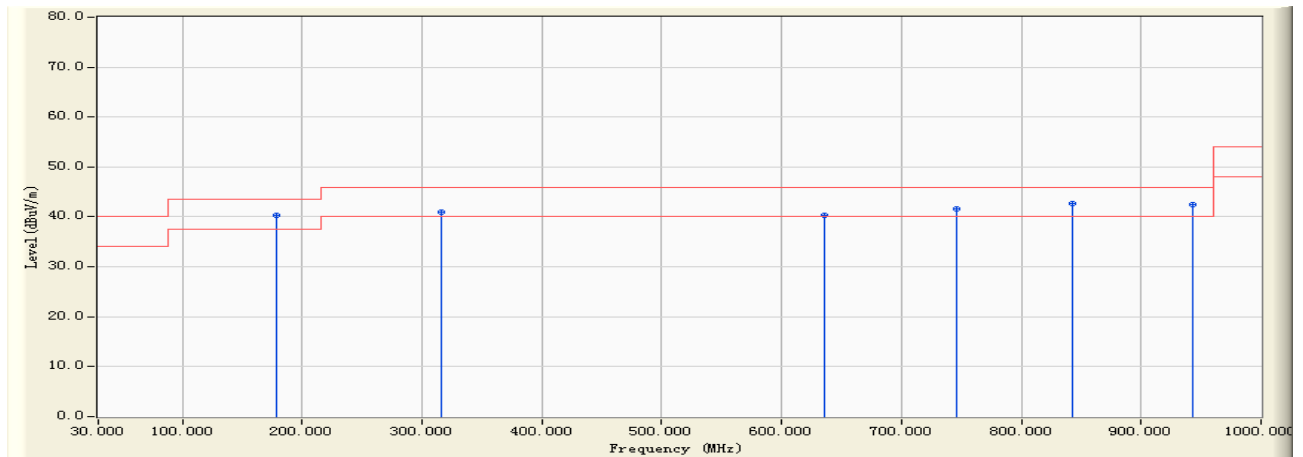
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		185.340	-15.069	53.880	38.811	-4.689	43.500	QUASIPeAK
2		321.680	-10.048	52.440	42.392	-3.608	46.000	QUASIPeAK
3	*	634.350	-1.871	44.580	42.709	-3.291	46.000	QUASIPeAK
4		755.330	0.567	41.900	42.467	-3.533	46.000	QUASIPeAK
5		855.620	2.185	40.170	42.356	-3.644	46.000	QUASIPeAK
6		955.260	3.549	38.190	41.739	-4.261	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 : 2009/03/26 - 08:48
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC120V/60HZ	Note : Mode 1: Transmit by 802.11b (2437 MHz)



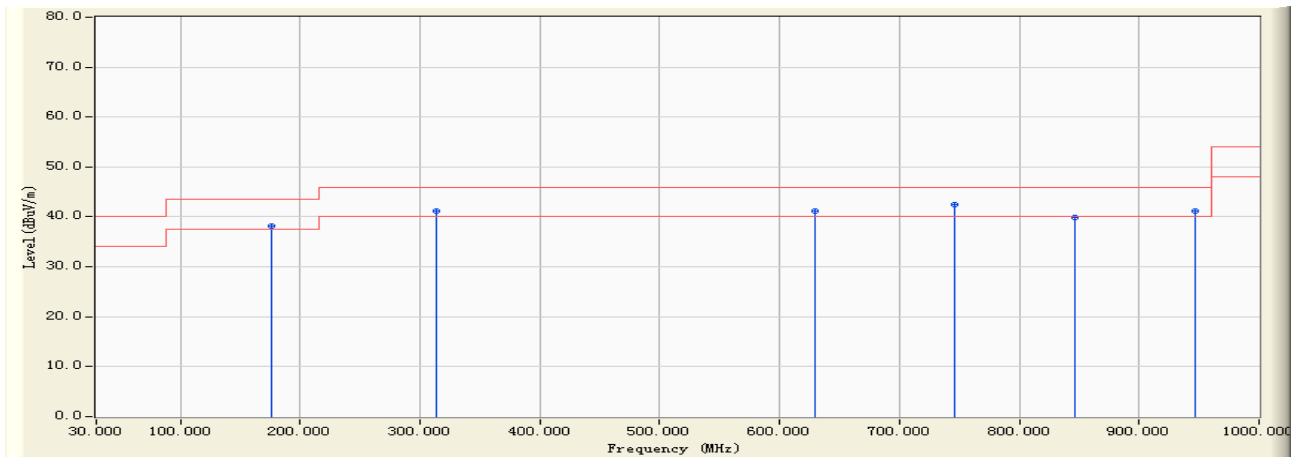
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	178.320	-14.687	54.960	40.273	-3.227	43.500	QUASIPeAK
2		315.620	-10.347	51.350	41.003	-4.997	46.000	QUASIPeAK
3		635.210	-1.863	42.220	40.357	-5.643	46.000	QUASIPeAK
4		746.320	0.341	41.220	41.562	-4.438	46.000	QUASIPeAK
5		842.350	1.897	40.720	42.616	-3.384	46.000	QUASIPeAK
6		943.000	3.526	38.900	42.426	-3.574	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 : 2009/03/26 - 08:53
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC120V/60HZ	Note : Mode 1: Transmit by 802.11b (2437 MHz)



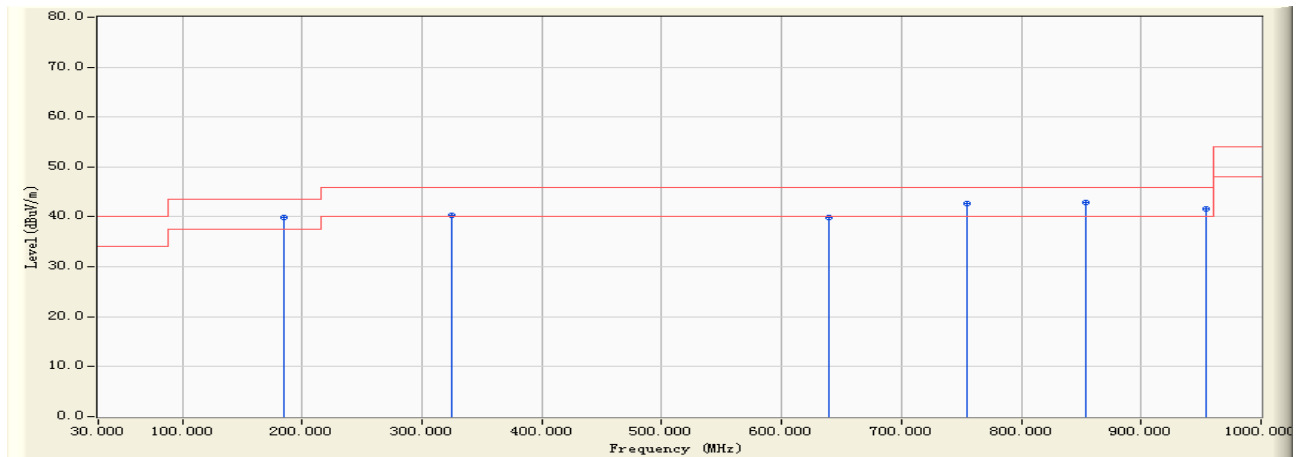
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		176.320	-14.774	52.960	38.187	-5.313	43.500	QUASIPeAK
2		314.250	-10.444	51.663	41.218	-4.782	46.000	QUASIPeAK
3		629.540	-2.007	43.220	41.213	-4.787	46.000	QUASIPeAK
4	*	745.630	0.320	42.220	42.540	-3.460	46.000	QUASIPeAK
5		846.320	1.957	37.910	39.867	-6.133	46.000	QUASIPeAK
6		946.250	3.485	37.620	41.105	-4.895	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 : 2009/03/26 - 08:56
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC120V/60HZ	Note : Mode 1: Transmit by 802.11b (2462 MHz)



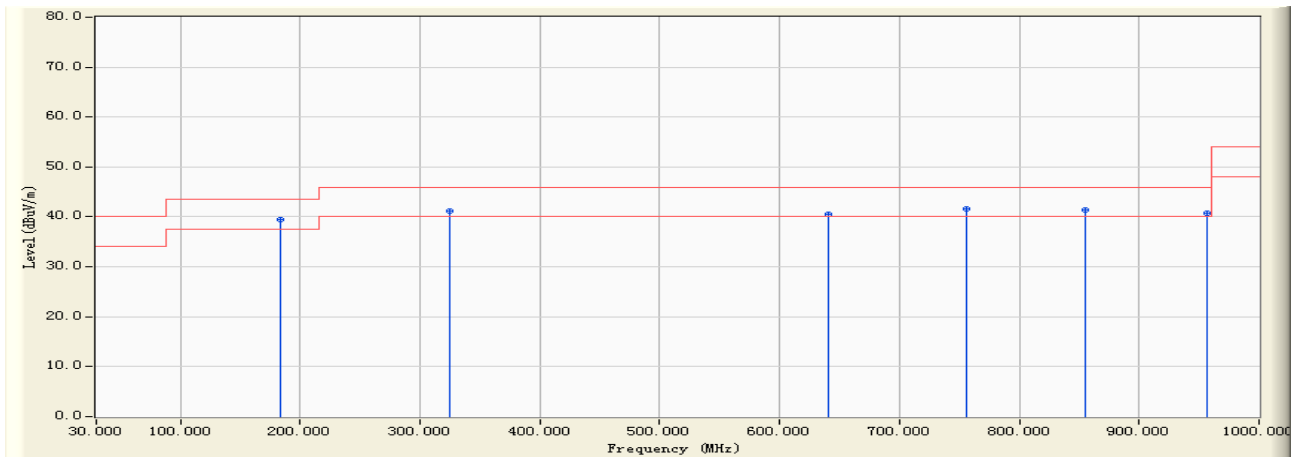
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		184.360	-14.975	54.920	39.945	-3.555	43.500	QUASIPeAK
2		324.630	-10.039	50.320	40.281	-5.719	46.000	QUASIPeAK
3		639.320	-1.767	41.610	39.843	-6.157	46.000	QUASIPeAK
4		754.360	0.528	42.220	42.747	-3.253	46.000	QUASIPeAK
5	*	853.650	2.087	40.720	42.807	-3.193	46.000	QUASIPeAK
6		954.620	3.503	38.110	41.613	-4.387	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 : 2009/03/26 - 08:59
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC120V/60HZ	Note : Mode 1: Transmit by 802.11b (2462 MHz)



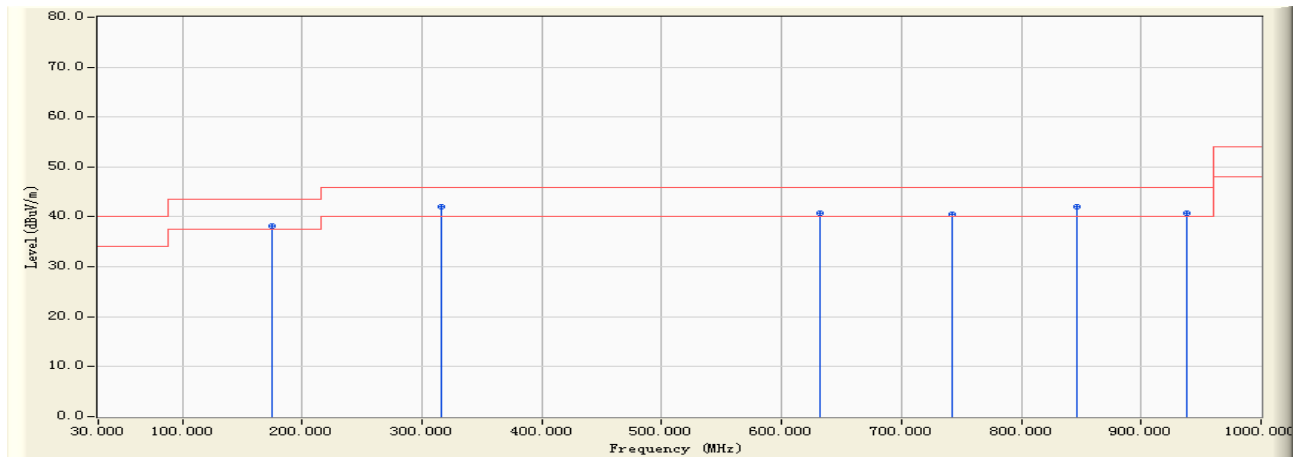
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	183.250	-14.882	54.420	39.538	-3.962	43.500	QUASIPeAK
2		325.210	-10.048	51.250	41.202	-4.798	46.000	QUASIPeAK
3		640.210	-1.731	42.320	40.589	-5.411	46.000	QUASIPeAK
4		756.320	0.597	41.110	41.707	-4.293	46.000	QUASIPeAK
5		854.620	2.131	39.220	41.351	-4.649	46.000	QUASIPeAK
6		956.320	3.625	37.100	40.725	-5.275	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 : 2009/03/26 - 09:02
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC120V/60HZ	Note : Mode 2: Transmit by 802.11g (2412 MHz)



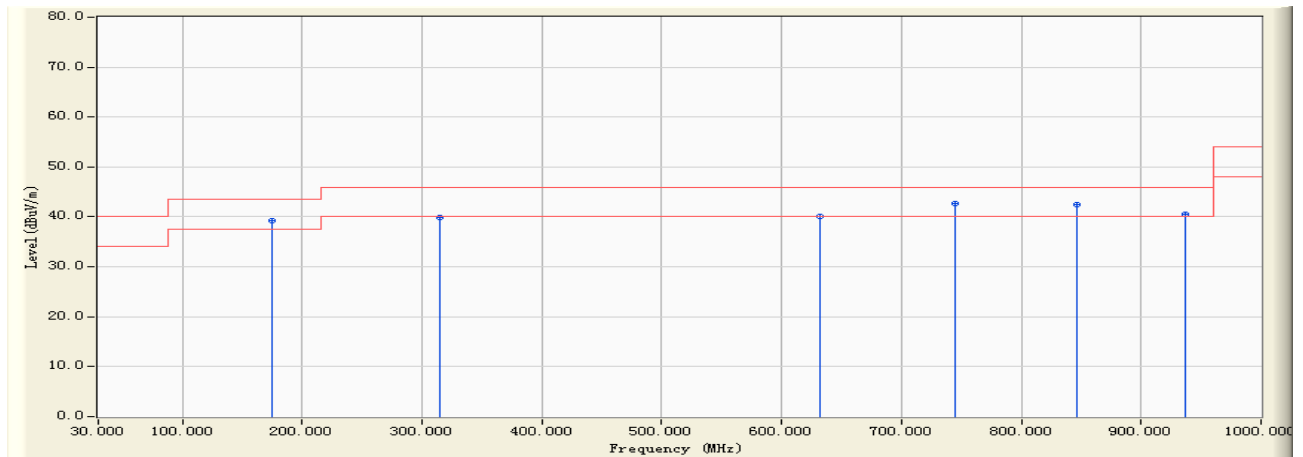
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		175.320	-14.832	52.920	38.088	-5.412	43.500	QUASIPeAK
2	*	316.240	-10.305	52.420	42.115	-3.885	46.000	QUASIPeAK
3		632.540	-1.915	42.720	40.804	-5.196	46.000	QUASIPeAK
4		742.650	0.378	40.120	40.498	-5.502	46.000	QUASIPeAK
5		846.320	1.957	40.150	42.107	-3.893	46.000	QUASIPeAK
6		938.560	3.497	37.150	40.646	-5.354	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 : 2009/03/26 - 09:06
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC120V/60HZ	Note : Mode 2: Transmit by 802.11g (2412 MHz)



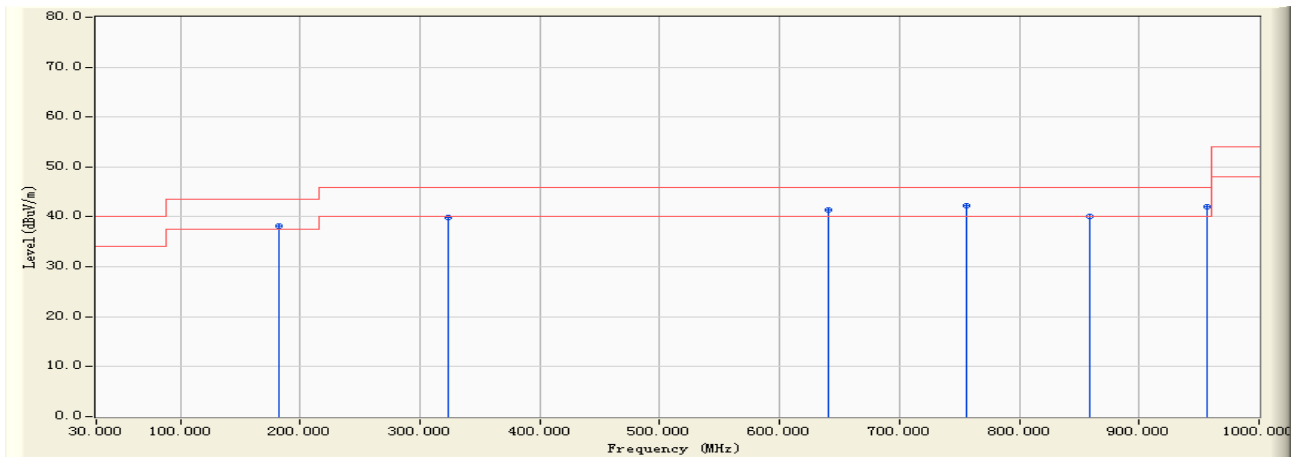
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		175.260	-14.836	54.110	39.274	-4.226	43.500	QUASIPeAK
2		315.360	-10.366	50.310	39.945	-6.055	46.000	QUASIPeAK
3		632.540	-1.915	42.110	40.194	-5.806	46.000	QUASIPeAK
4	*	745.200	0.319	42.410	42.729	-3.271	46.000	QUASIPeAK
5		846.320	1.957	40.610	42.567	-3.433	46.000	QUASIPeAK
6		936.250	3.481	37.110	40.591	-5.409	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 : 2009/03/26 - 09:10
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC120V/60HZ	Note : Mode 2: Transmit by 802.11g (2437 MHz)



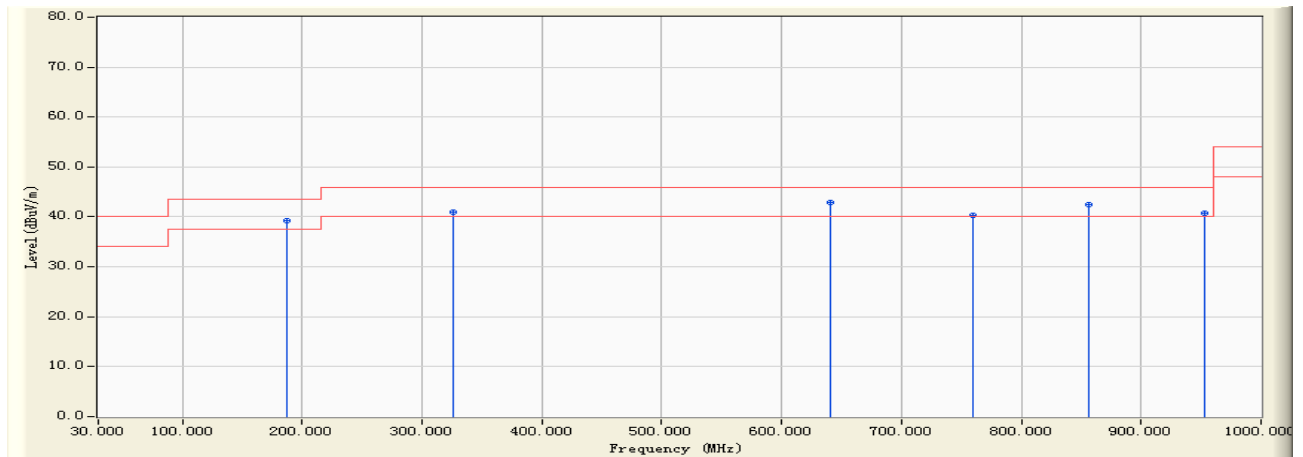
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		182.340	-14.823	53.020	38.196	-5.304	43.500	QUASIPeAK
2		323.250	-10.024	49.920	39.897	-6.103	46.000	QUASIPeAK
3		641.200	-1.696	43.150	41.454	-4.546	46.000	QUASIPeAK
4	*	755.360	0.569	41.720	42.288	-3.712	46.000	QUASIPeAK
5		859.320	2.348	37.720	40.069	-5.931	46.000	QUASIPeAK
6		956.320	3.625	38.320	41.945	-4.055	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 : 2009/03/26 - 09:13
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC120V/60HZ	Note : Mode 2: Transmit by 802.11g (2437 MHz)



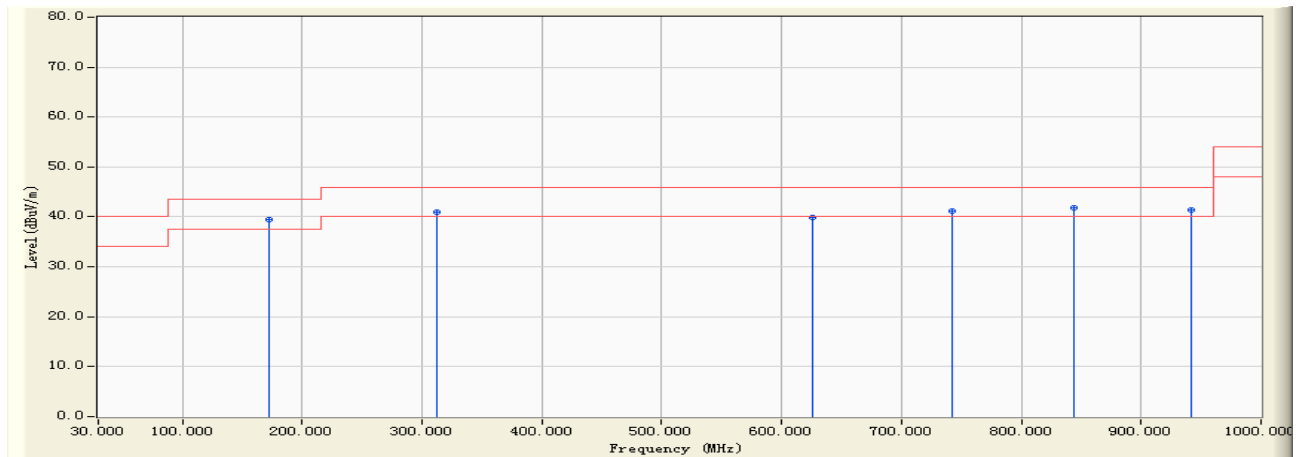
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		187.320	-15.232	54.420	39.188	-4.312	43.500	QUASIPeAK
2		326.650	-10.047	50.960	40.913	-5.087	46.000	QUASIPeAK
3	*	641.350	-1.697	44.650	42.953	-3.047	46.000	QUASIPeAK
4		759.320	0.670	39.660	40.330	-5.670	46.000	QUASIPeAK
5		856.320	2.224	40.220	42.444	-3.556	46.000	QUASIPeAK
6		953.250	3.442	37.220	40.662	-5.338	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 : 2009/03/26 - 09:17
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - HORIZONTAL
Power : AC120V/60HZ	Note : Mode 2: Transmit by 802.11g (2462 MHz)



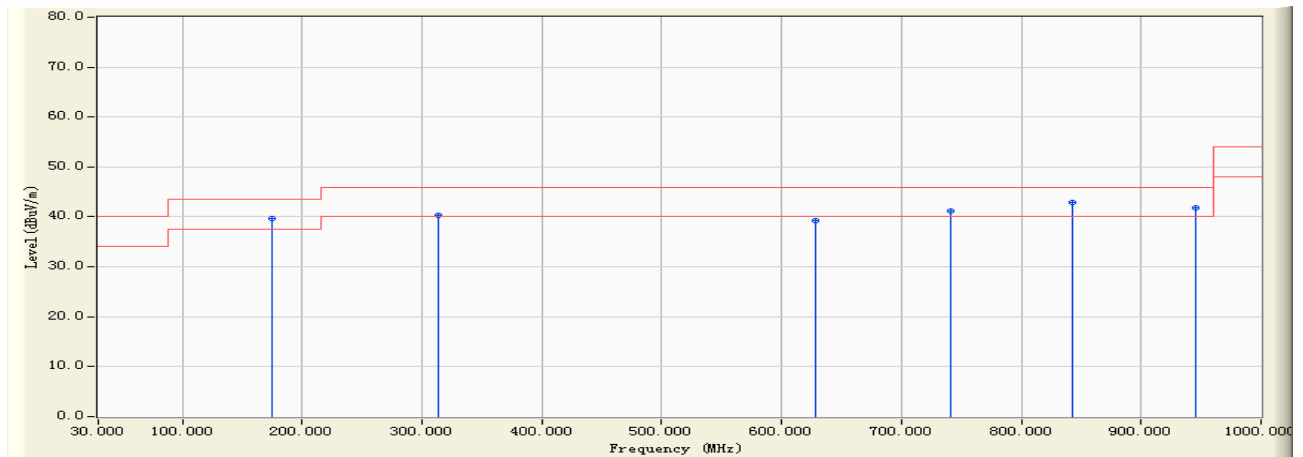
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	172.510	-15.013	54.420	39.407	-4.093	43.500	QUASIPeAK
2		312.540	-10.535	51.520	40.985	-5.015	46.000	QUASIPeAK
3		625.320	-2.098	42.000	39.902	-6.098	46.000	QUASIPeAK
4		742.350	0.374	40.900	41.274	-4.726	46.000	QUASIPeAK
5		843.600	1.898	40.000	41.898	-4.102	46.000	QUASIPeAK
6		941.620	3.537	37.900	41.437	-4.563	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 : 2009/03/26 - 09:19
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : QBOX-N270	Probe : HL562(30-1000MHz) - VERTICAL
Power : AC120V/60HZ	Note : Mode 2: Transmit by 802.11g (2462 MHz)



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		175.320	-14.832	54.600	39.768	-3.732	43.500	QUASIPeAK
2		314.250	-10.444	50.800	40.355	-5.645	46.000	QUASIPeAK
3		628.320	-2.047	41.200	39.154	-6.846	46.000	QUASIPeAK
4		741.360	0.367	40.900	41.267	-4.733	46.000	QUASIPeAK
5	*	842.360	1.896	40.900	42.796	-3.204	46.000	QUASIPeAK
6		945.620	3.497	38.400	41.896	-4.104	46.000	QUASIPeAK

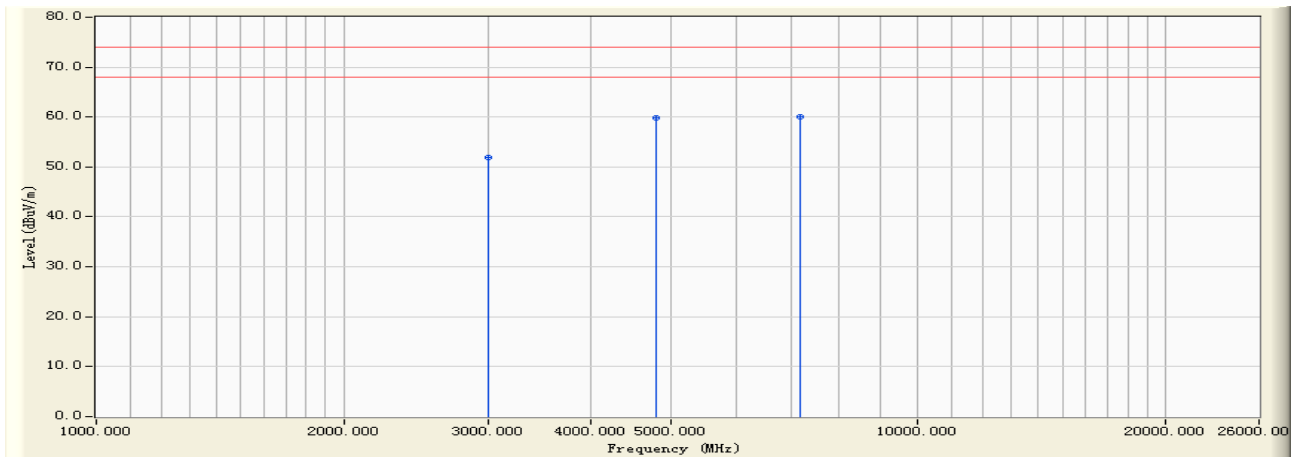
Note:

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



Above 1G:

Engineer : BEN	
Site : EMC Lab AC102	Time : 2009/04/01 - 20:34
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by 802.11b (2412MHz)



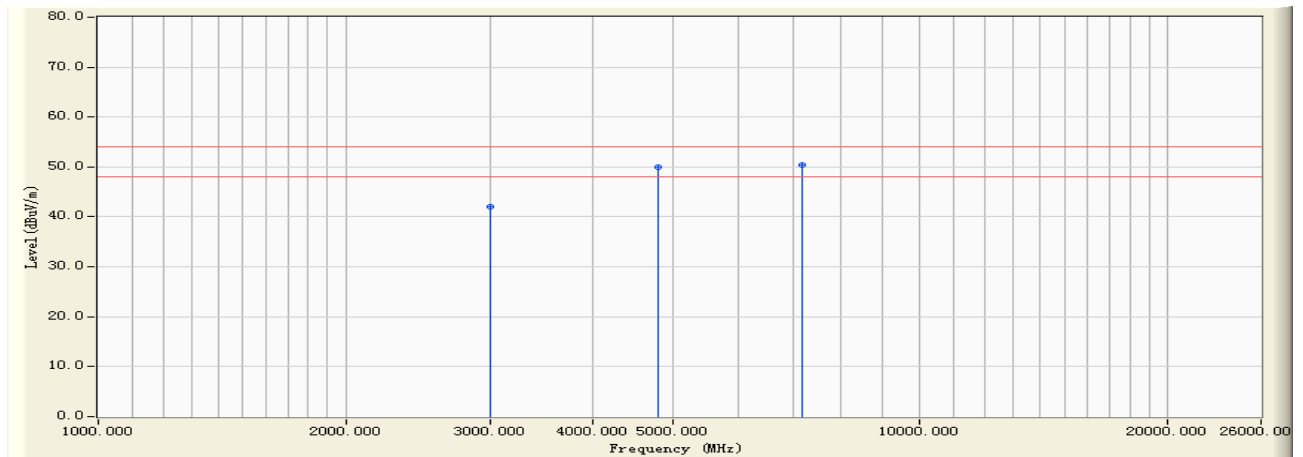
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	52.187	51.901	-22.069	73.970	PEAK
2		4800.000	6.381	53.485	59.866	-14.104	73.970	PEAK
3	*	7200.000	10.098	50.020	60.118	-13.852	73.970	PEAK

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 : 2009/04/01 - 20:34
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by 802.11b (2412MHz)



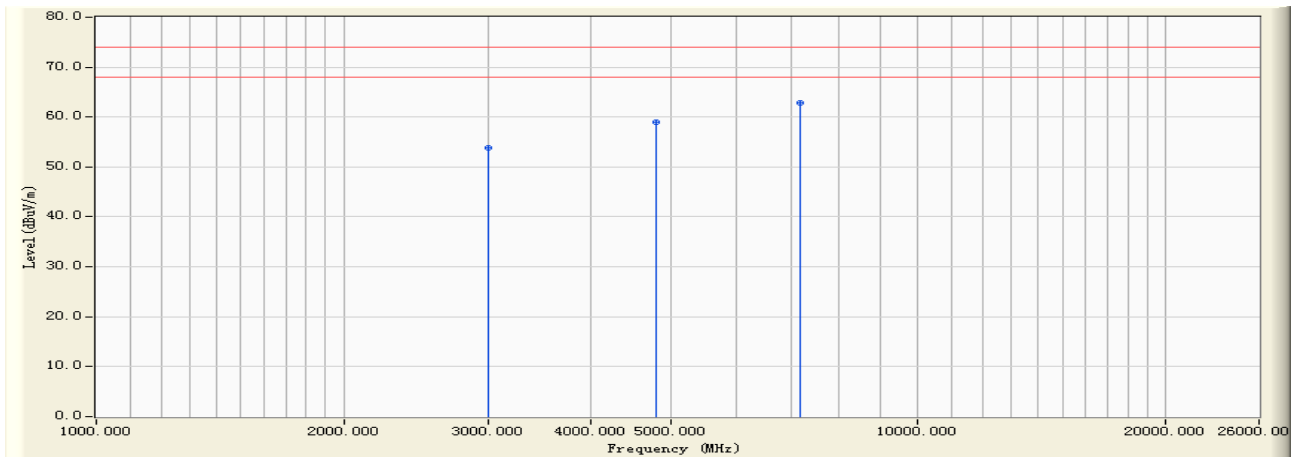
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.285	42.360	42.074	-11.896	53.970	AVERAGE
2		4800.000	6.381	43.680	50.062	-3.908	53.970	AVERAGE
3	*	7200.000	10.099	40.350	50.449	-3.521	53.970	AVERAGE

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 : 2009/04/01 - 20:37
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by 802.11b (2412MHz)



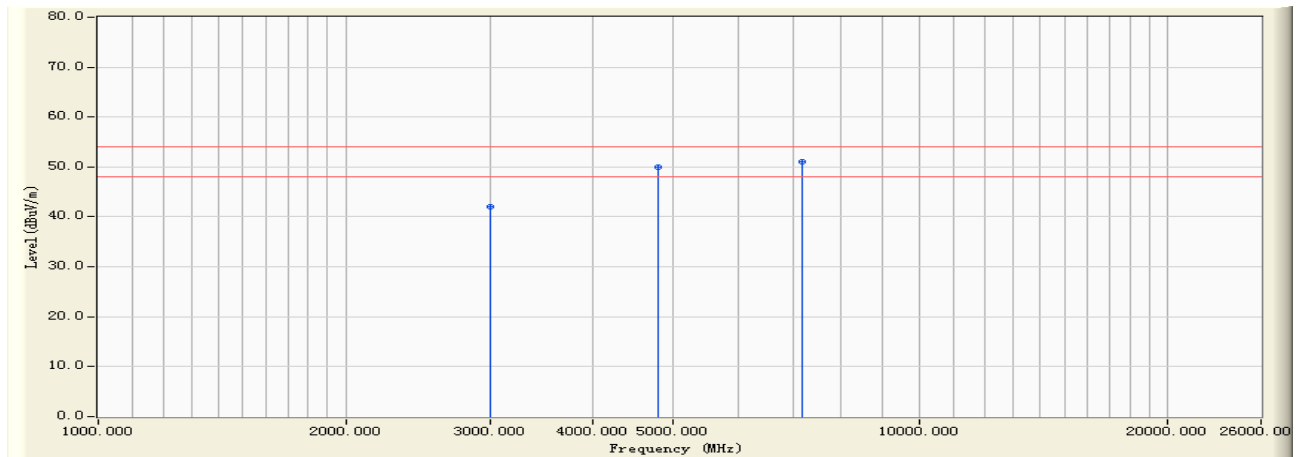
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	54.136	53.850	-20.120	73.970	PEAK
2		4800.000	6.381	52.561	58.942	-15.028	73.970	PEAK
3	*	7200.000	10.098	52.850	62.948	-11.022	73.970	PEAK

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 : 2009/04/01 - 20:37
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by 802.11b (2412MHz)



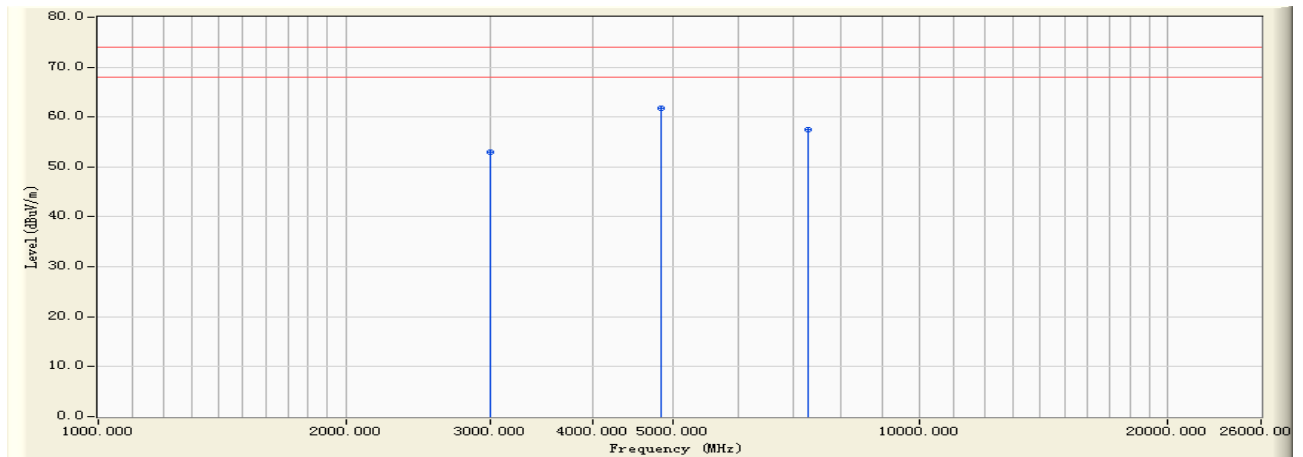
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	42.350	42.064	-11.906	53.970	AVERAGE
2		4800.000	6.382	43.680	50.062	-3.908	53.970	AVERAGE
3	*	7200.000	10.099	40.850	50.949	-3.021	53.970	AVERAGE

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 : 2009/04/01 - 20:39
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by 802.11b (2437MHz)



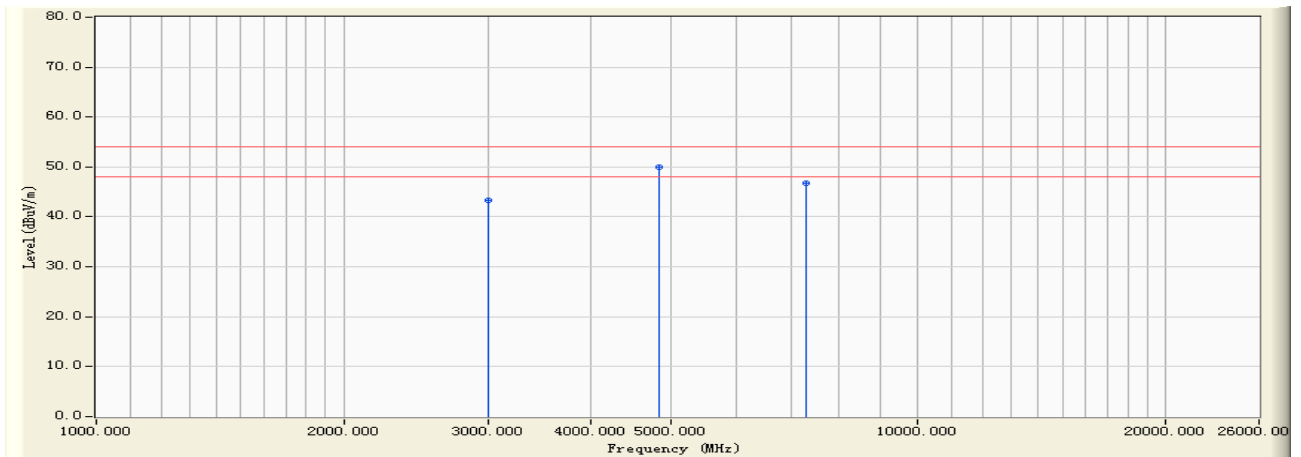
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	53.325	53.039	-20.931	73.970	PEAK
2	*	4850.000	6.401	55.452	61.853	-12.117	73.970	PEAK
3		7300.000	9.882	47.496	57.378	-16.592	73.970	PEAK

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 : 2009/04/01 - 20:39
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by 802.11b (2437MHz)



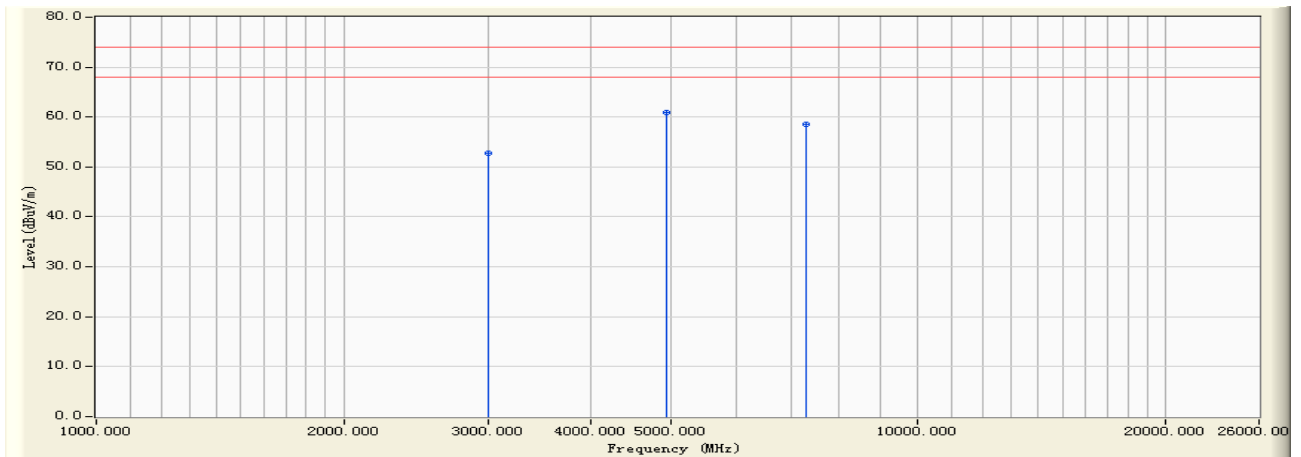
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	43.580	43.294	-10.676	53.970	AVERAGE
2	*	4850.000	6.402	43.580	49.981	-3.989	53.970	AVERAGE
3		7300.000	9.881	36.810	46.691	-7.279	53.970	AVERAGE

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 : 2009/04/01 - 20:41
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by 802.11b (2437MHz)



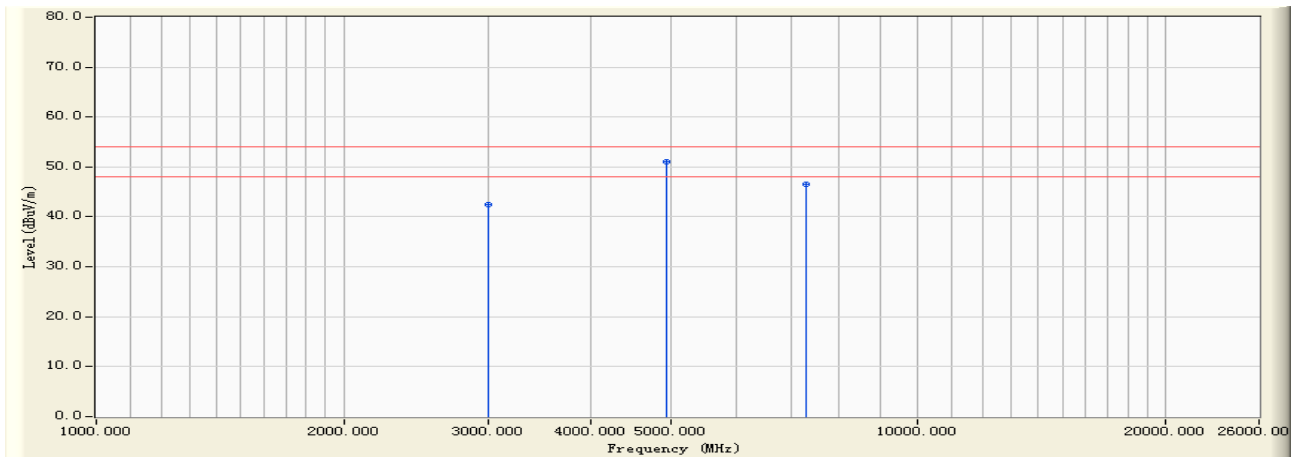
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	52.994	52.708	-21.262	73.970	PEAK
2	*	4950.000	6.442	54.476	60.918	-13.052	73.970	PEAK
3		7300.000	9.882	48.622	58.504	-15.466	73.970	PEAK

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 : 2009/04/01 - 20:41
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by 802.11b (2437MHz)



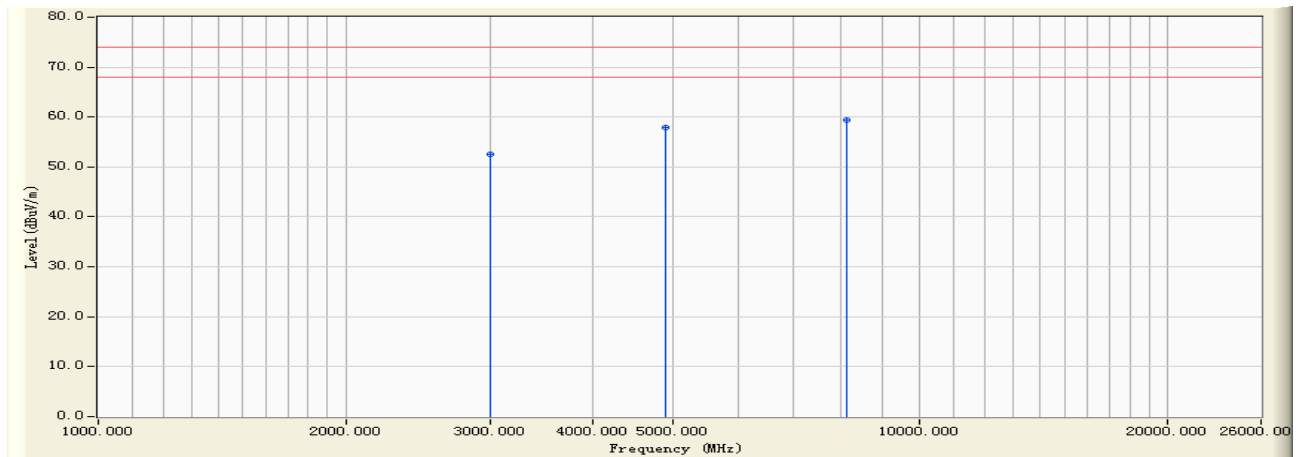
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	42.680	42.394	-11.576	53.970	AVERAGE
2	*	4950.000	6.443	44.680	51.122	-2.848	53.970	AVERAGE
3		7300.000	9.879	36.580	46.459	-7.511	53.970	AVERAGE

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 : 2009/04/01 - 20:43
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by 802.11b (2462MHz)



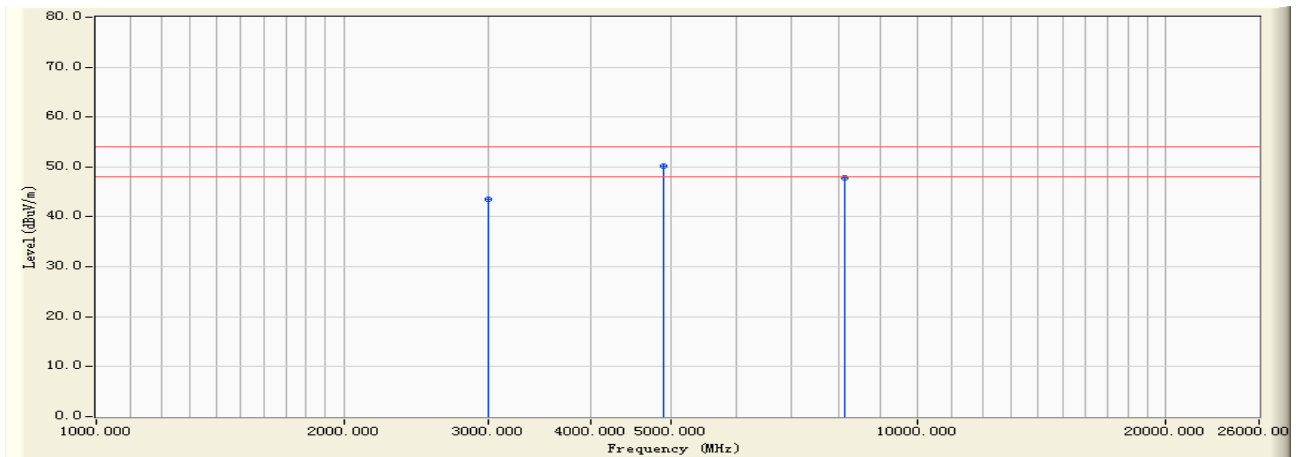
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	52.800	52.514	-21.456	73.970	PEAK
2		4900.000	6.432	51.470	57.902	-16.068	73.970	PEAK
3	*	8150.000	11.866	47.502	59.368	-14.602	73.970	PEAK

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 : 2009/04/01 - 20:43
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by 802.11b (2462MHz)



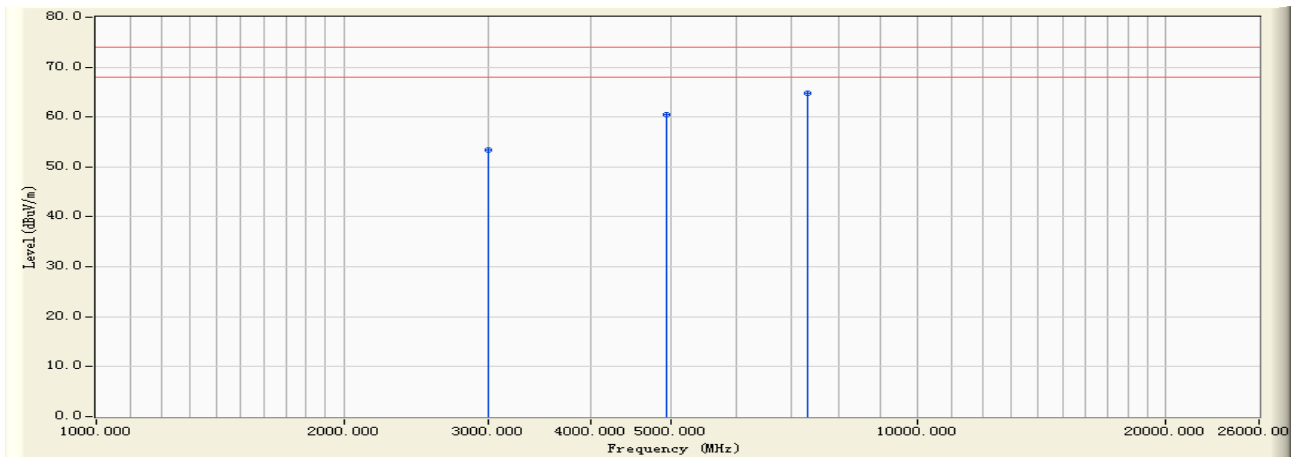
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	43.800	43.514	-10.456	53.970	AVERAGE
2	*	4900.000	6.433	43.800	50.233	-3.737	53.970	AVERAGE
3		8150.000	11.866	35.900	47.766	-6.204	53.970	AVERAGE

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 : 2009/04/01 - 20:45
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by 802.11b (2462MHz)



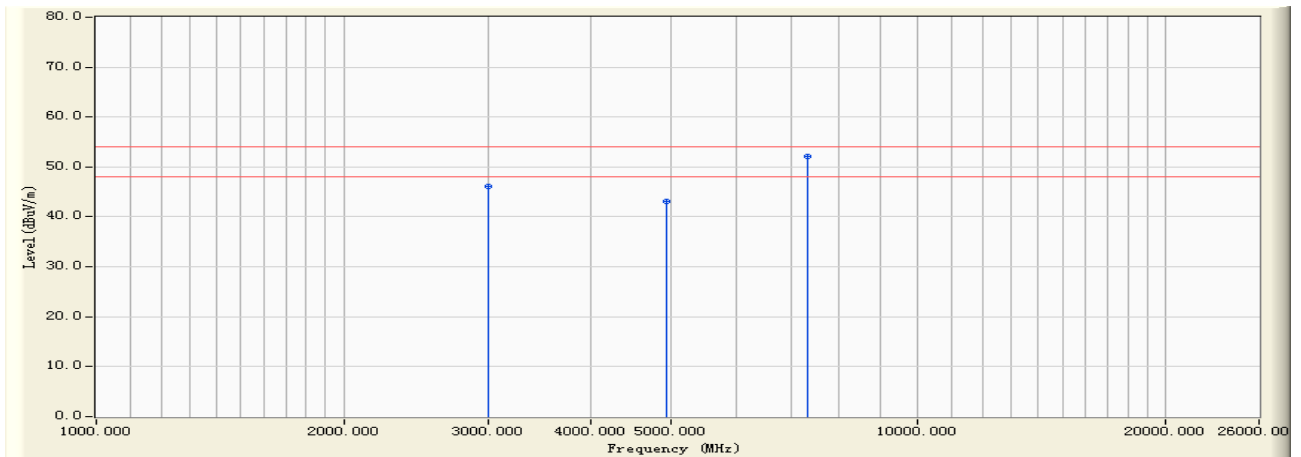
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	53.774	53.488	-20.482	73.970	PEAK
2		4950.000	6.442	54.094	60.536	-13.434	73.970	PEAK
3	*	7350.000	9.760	54.975	64.735	-9.235	73.970	PEAK

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 : 2009/04/01 - 20:45
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by 802.11b (2462MHz)



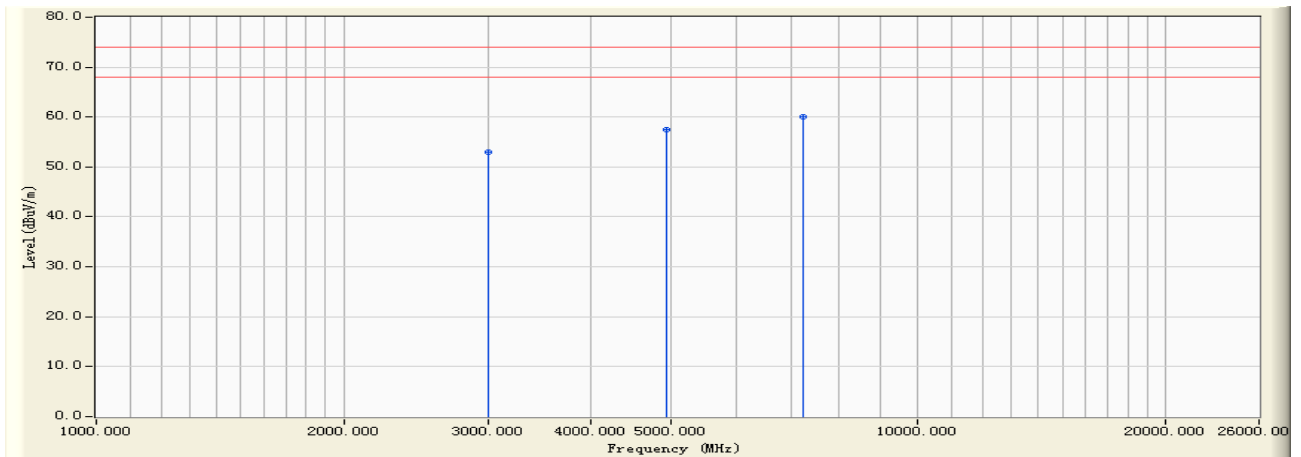
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	46.350	46.064	-7.906	53.970	AVERAGE
2		4950.000	6.441	36.580	43.022	-10.948	53.970	AVERAGE
3	*	7350.000	9.760	42.390	52.149	-1.821	53.970	AVERAGE

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 : 2009/04/01 - 20:47
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by 802.11g (2412MHz)



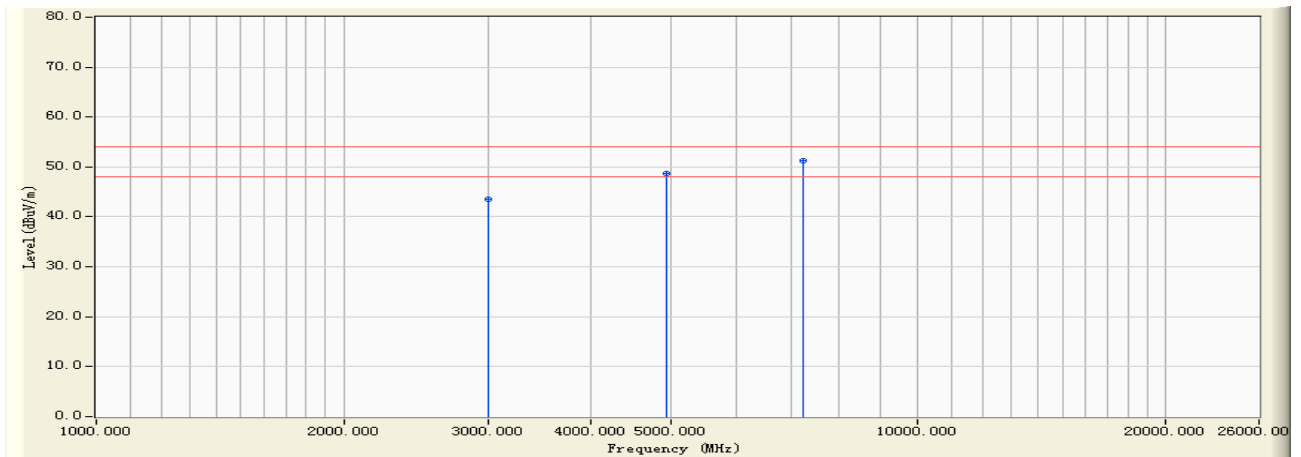
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	53.330	53.044	-20.926	73.970	PEAK
2		4950.000	6.442	50.955	57.397	-16.573	73.970	PEAK
3	*	7250.000	9.979	50.044	60.022	-13.948	73.970	PEAK

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 : 2009/04/01 - 20:47
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by 802.11g (2412MHz)



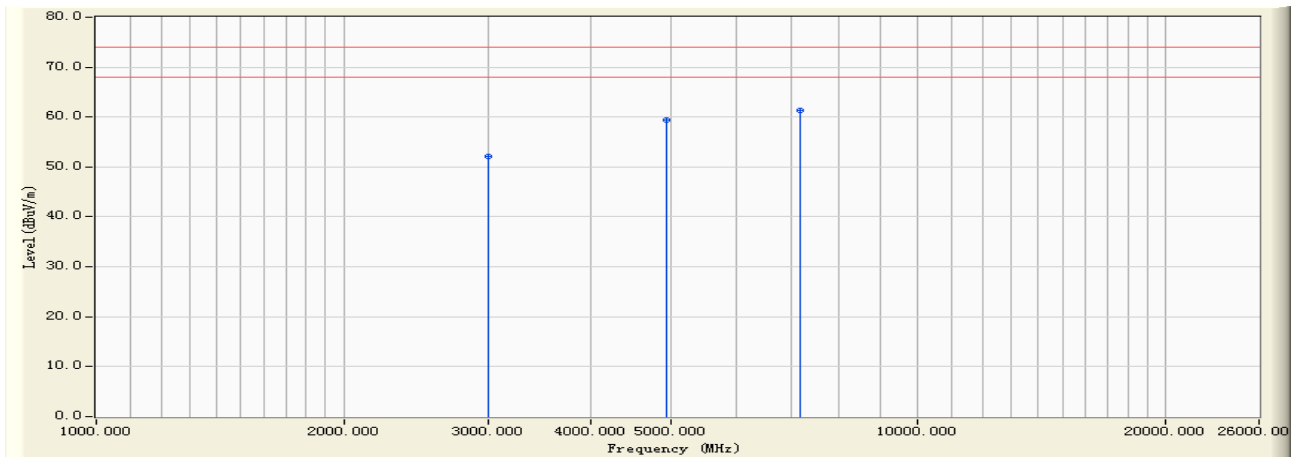
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	43.860	43.574	-10.396	53.970	AVERAGE
2		4950.000	6.442	42.350	48.792	-5.178	53.970	AVERAGE
3	*	7250.000	9.977	41.360	51.338	-2.632	53.970	AVERAGE

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 : 2009/04/01 - 20:49
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by 802.11g (2412MHz)



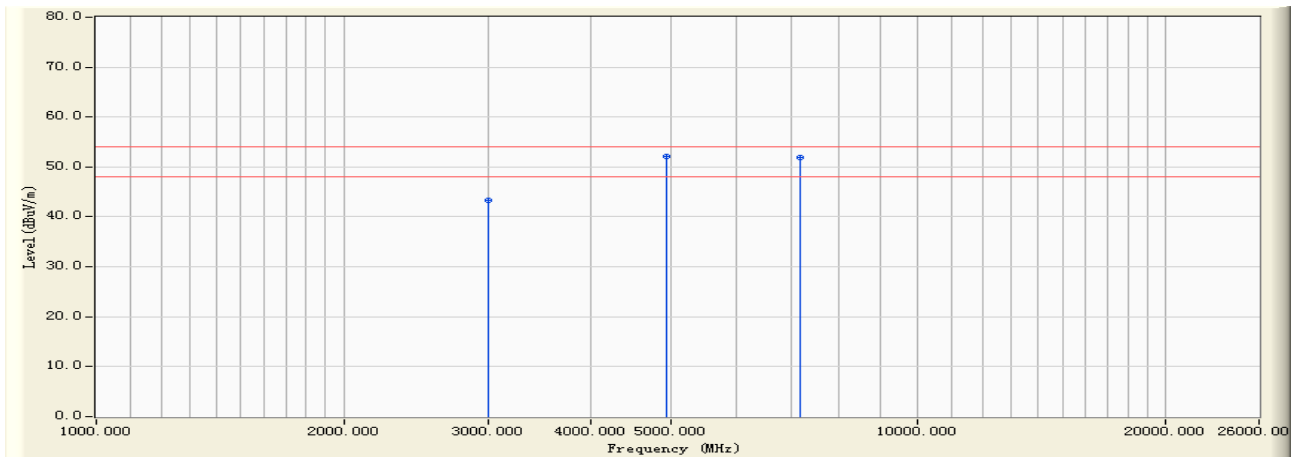
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	52.422	52.136	-21.834	73.970	PEAK
2		4950.000	6.442	52.927	59.369	-14.601	73.970	PEAK
3	*	7200.000	10.098	51.342	61.440	-12.530	73.970	PEAK

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 : 2009/04/01 - 20:49
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by 802.11g (2412MHz)



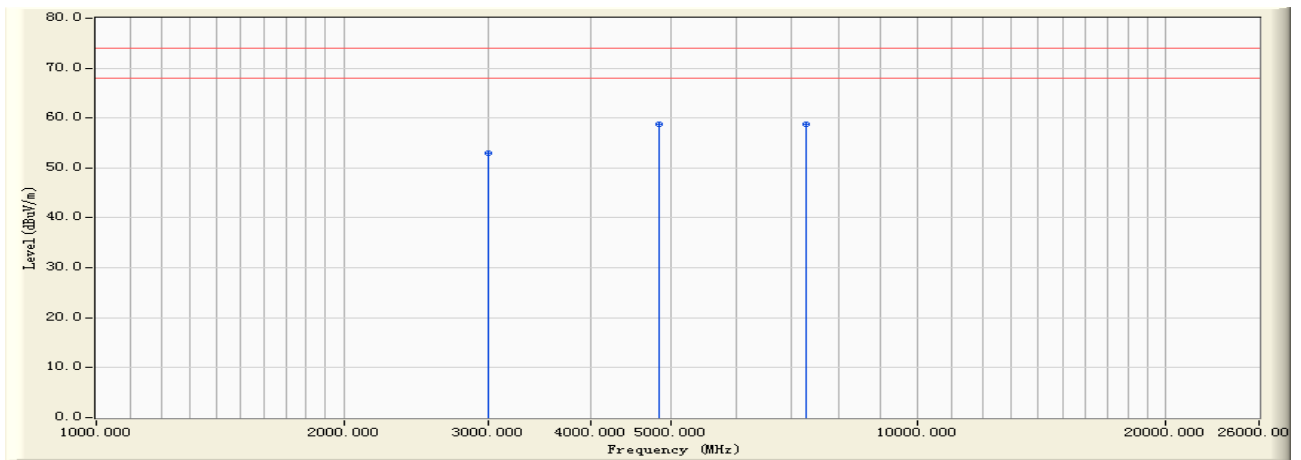
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	43.680	43.394	-10.576	53.970	AVERAGE
2	*	4950.000	6.441	45.680	52.122	-1.848	53.970	AVERAGE
3		7200.000	10.099	41.890	51.989	-1.981	53.970	AVERAGE

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 : 2009/04/01 - 20:51
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by 802.11g (2437MHz)



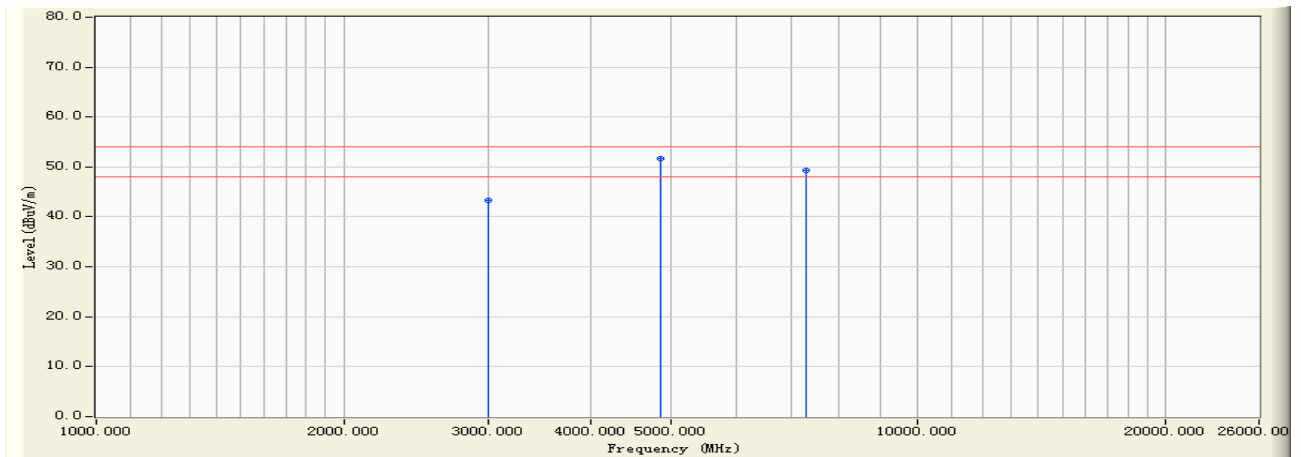
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	53.224	52.938	-21.032	73.970	PEAK
2		4850.000	6.401	52.266	58.667	-15.303	73.970	PEAK
3	*	7300.000	9.882	48.797	58.679	-15.291	73.970	PEAK

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 : 2009/04/01 - 20:51
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by 802.11g (2437MHz)



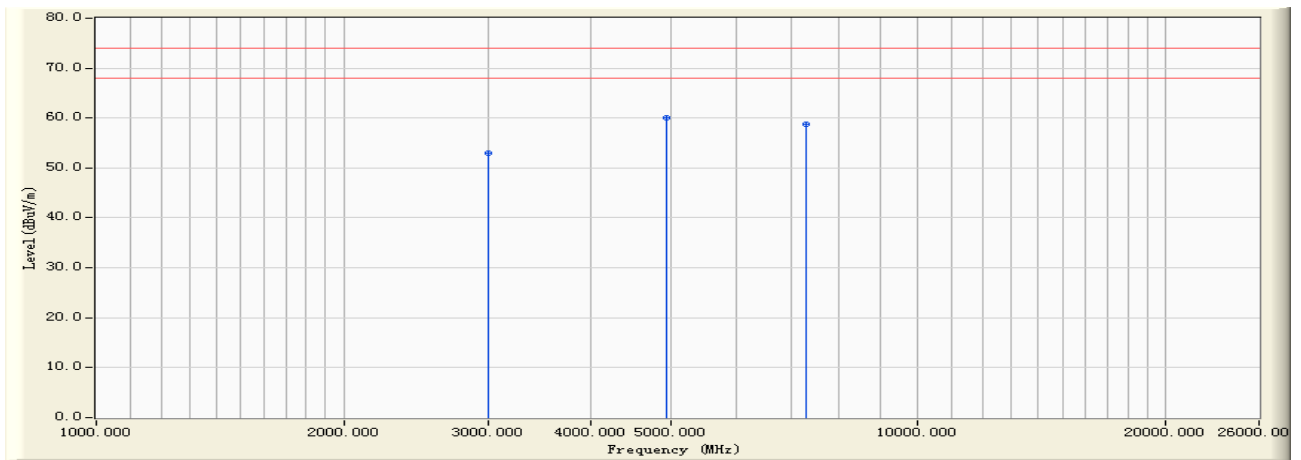
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	43.680	43.394	-10.576	53.970	AVERAGE
2	*	4850.000	6.400	45.350	51.751	-2.219	53.970	AVERAGE
3		7300.000	9.881	39.350	49.231	-4.739	53.970	AVERAGE

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 : 2009/04/01 - 20:53
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by 802.11g (2437MHz)



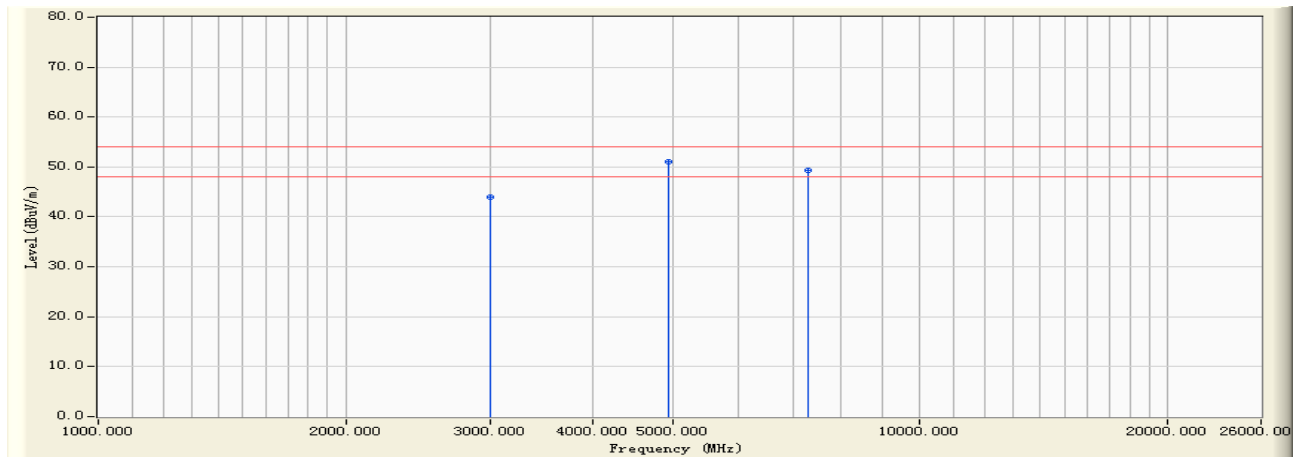
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	53.239	52.953	-21.017	73.970	PEAK
2	*	4950.000	6.442	53.654	60.096	-13.874	73.970	PEAK
3		7300.000	9.882	48.817	58.699	-15.271	73.970	PEAK

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 : 2009/04/01 - 20:53
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by 802.11g (2437MHz)



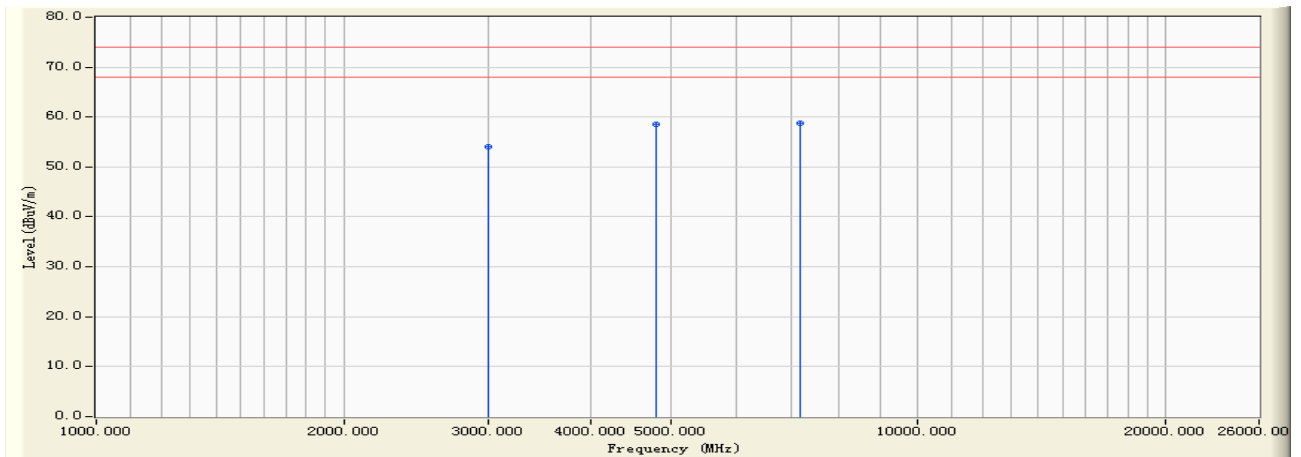
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.285	44.350	44.064	-9.906	53.970	AVERAGE
2	*	4950.000	6.441	44.580	51.022	-2.948	53.970	AVERAGE
3		7300.000	9.879	39.350	49.229	-4.741	53.970	AVERAGE

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 : 2009/04/01 - 20:55
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by 802.11g (2462MHz)



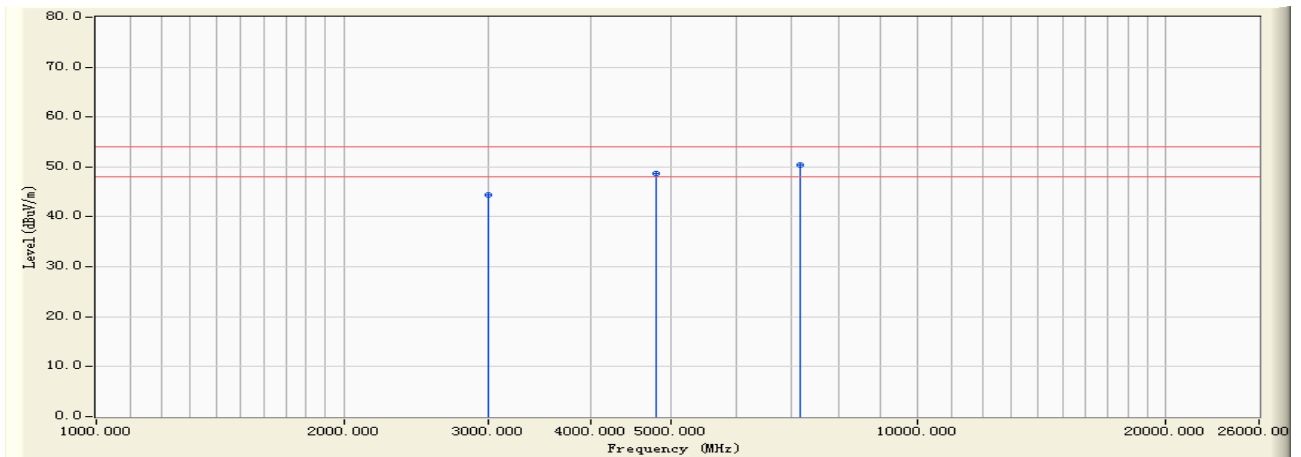
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	54.289	54.003	-19.967	73.970	PEAK
2		4800.000	6.381	52.227	58.608	-15.362	73.970	PEAK
3	*	7200.000	10.098	48.603	58.701	-15.269	73.970	PEAK

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 : 2009/04/01 - 20:55
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by 802.11g (2462MHz)



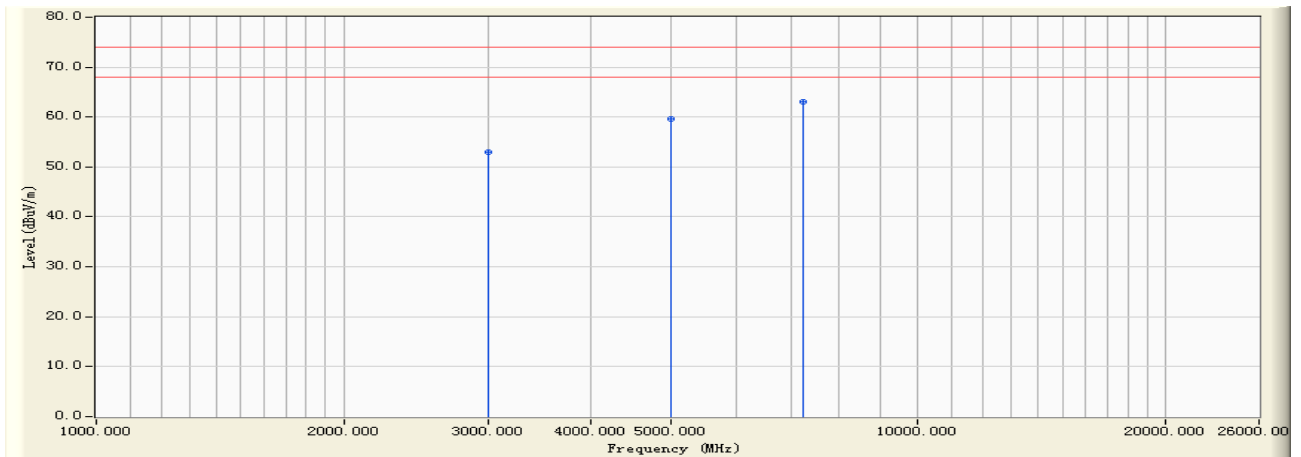
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	44.680	44.394	-9.576	53.970	AVERAGE
2		4800.000	6.382	42.360	48.742	-5.228	53.970	AVERAGE
3	*	7200.000	10.099	40.360	50.459	-3.511	53.970	AVERAGE

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 : 2009/04/01 - 20:57
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by 802.11g (2462MHz)



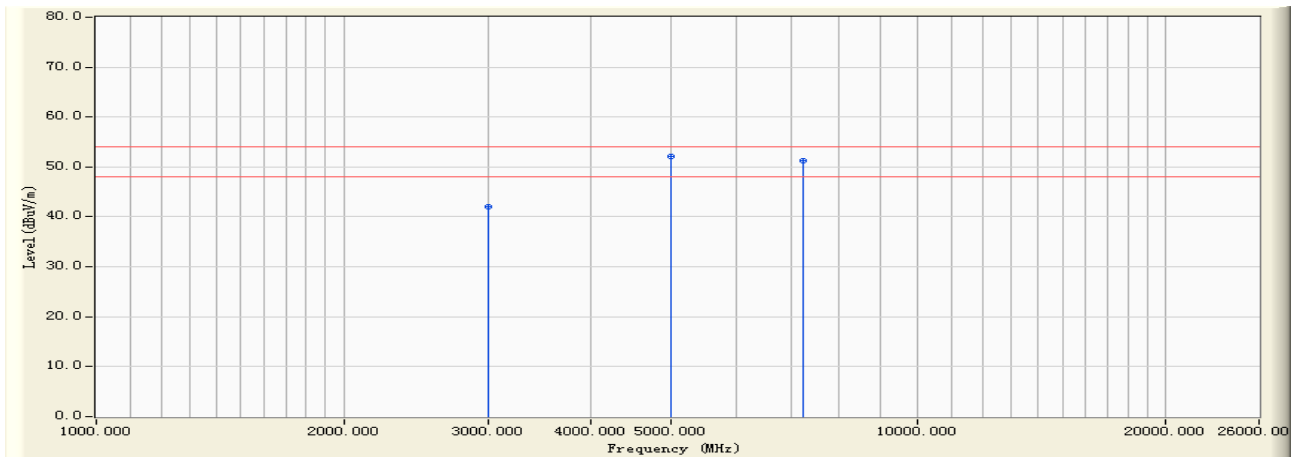
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3000.000	-0.286	53.329	53.043	-20.927	73.970	PEAK
2		5000.000	6.462	53.166	59.627	-14.343	73.970	PEAK
3	*	7250.000	9.979	53.085	63.063	-10.907	73.970	PEAK

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 : 2009/04/01 - 20:57
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
EUT : QBOX-N270	Probe : VERTICAL
Power : AC 120V/60HZ	Note : Mode 2: 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		3000.000	-0.286	42.360	42.074	-11.896	53.970	AVERAGE
2	*	5000.000	6.459	45.680	52.138	-1.832	53.970	AVERAGE
3		7250.000	9.977	41.290	51.267	-2.703	53.970	AVERAGE

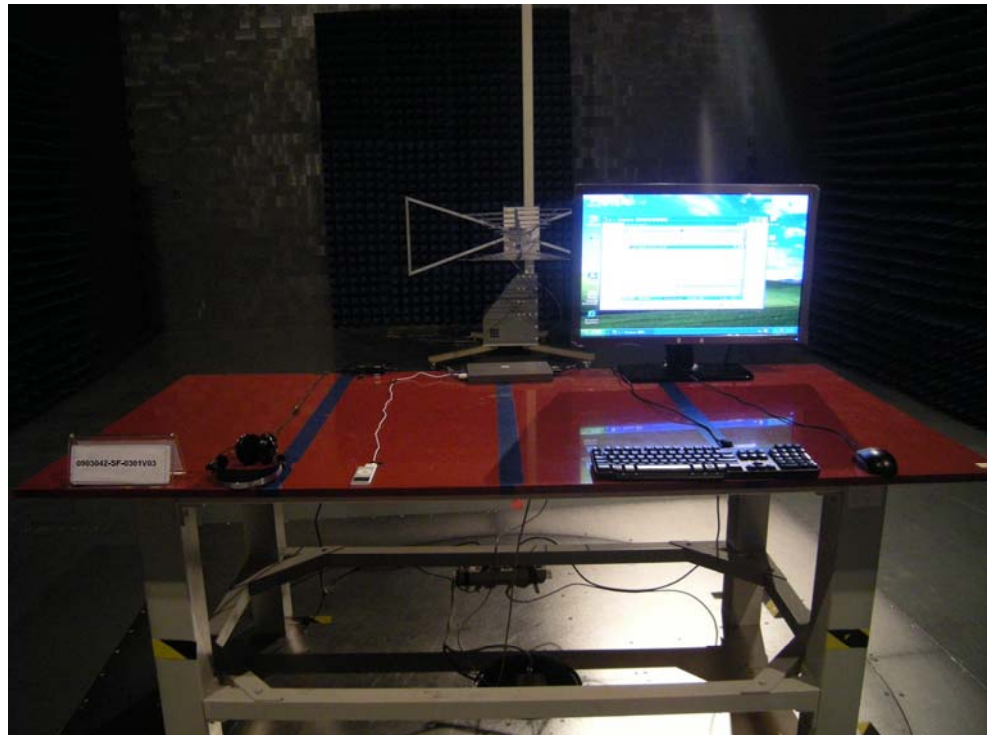
Note:

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

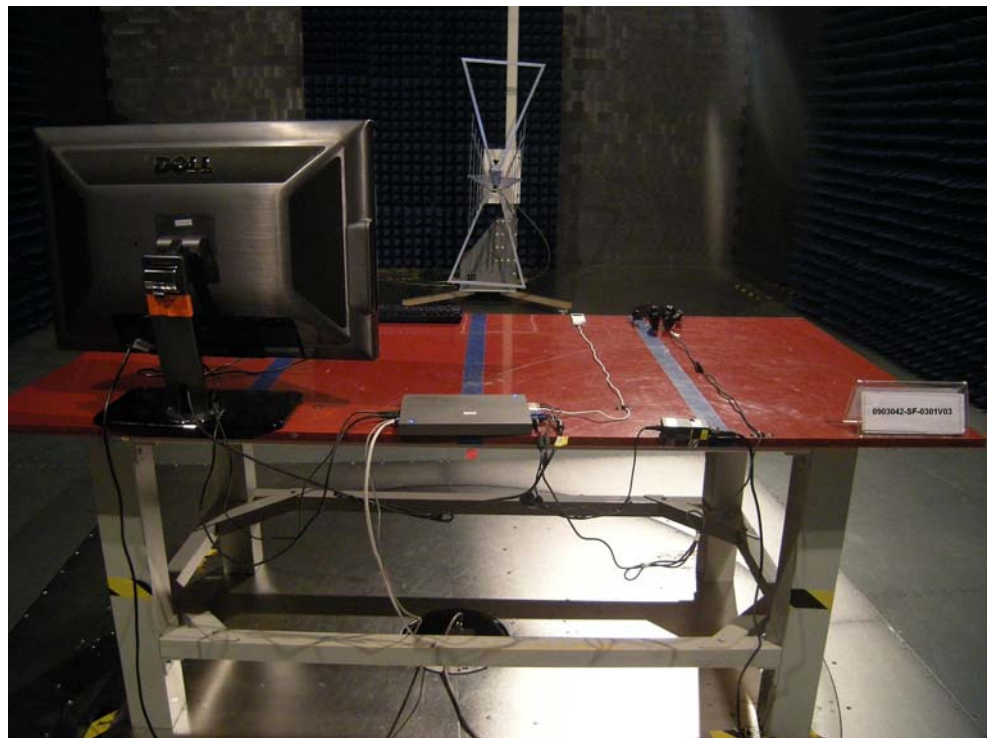


4.6. Test Photographs

Front View

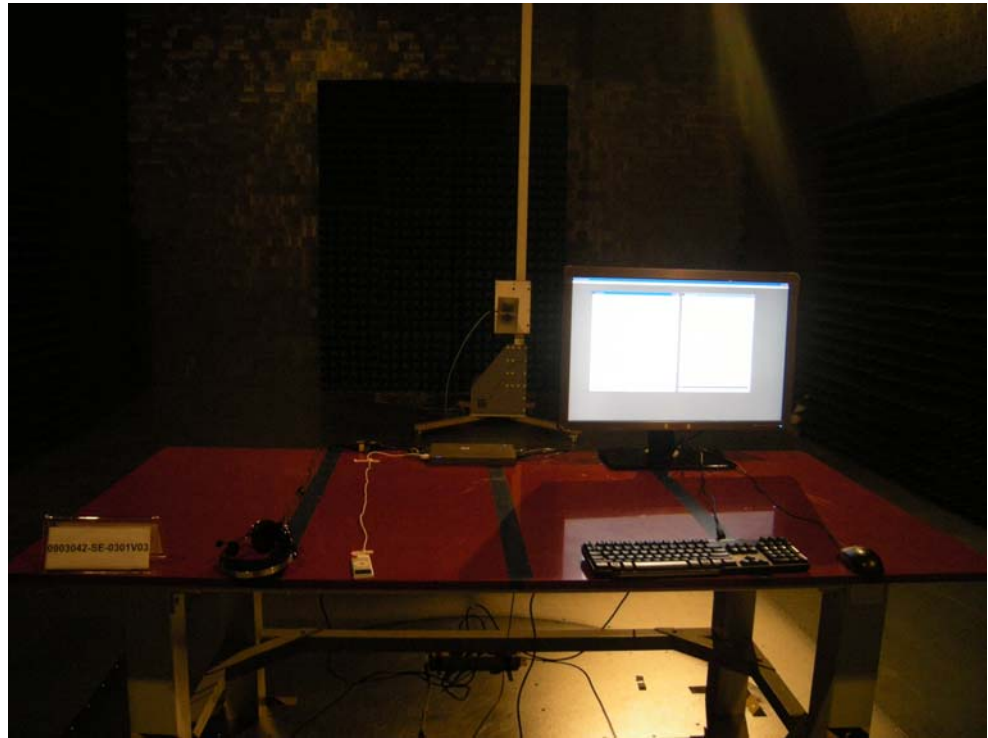


Rear View

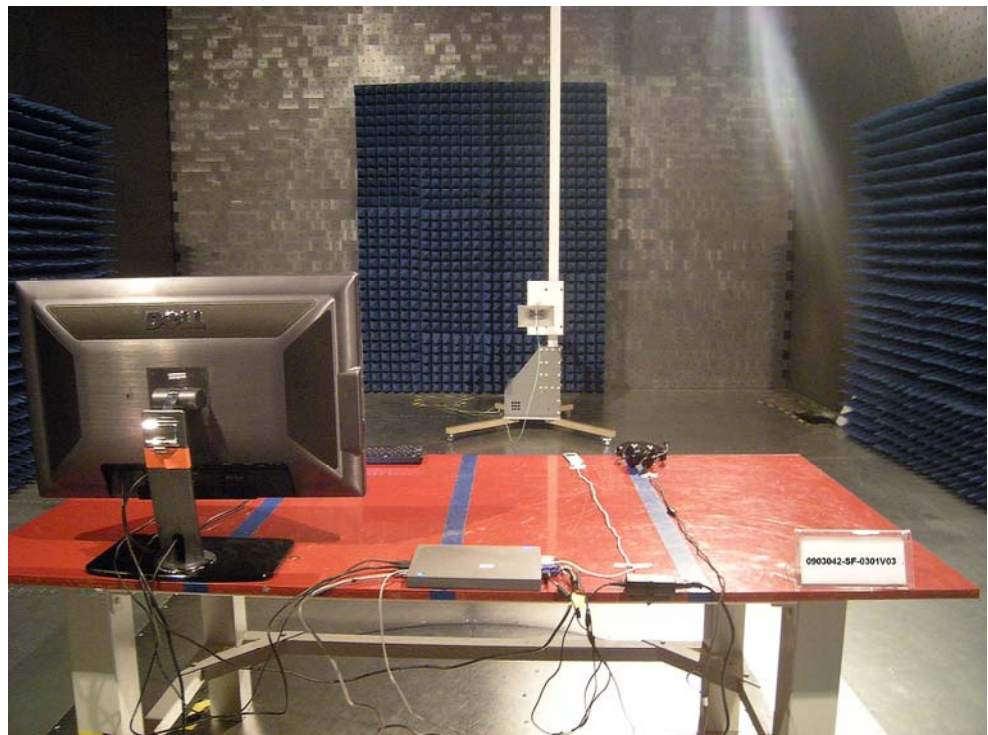




Front View



Rear View





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.

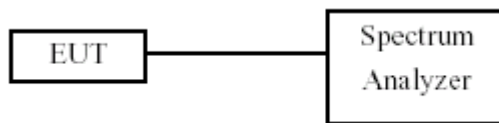
The minimum 6 dB bandwidth shall be at least 500 kHz.

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

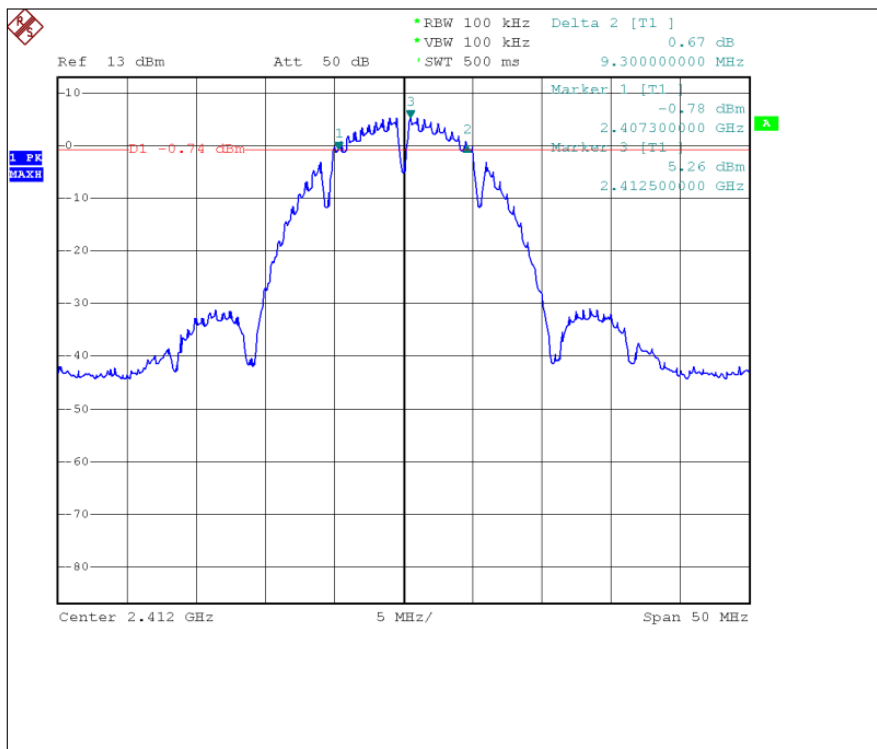


5.5. Test Result and Data

Test Item	Occupied Bandwidth
Test Mode	Mode 1: Transmit by 802.11b
Test Date	2009-04-06

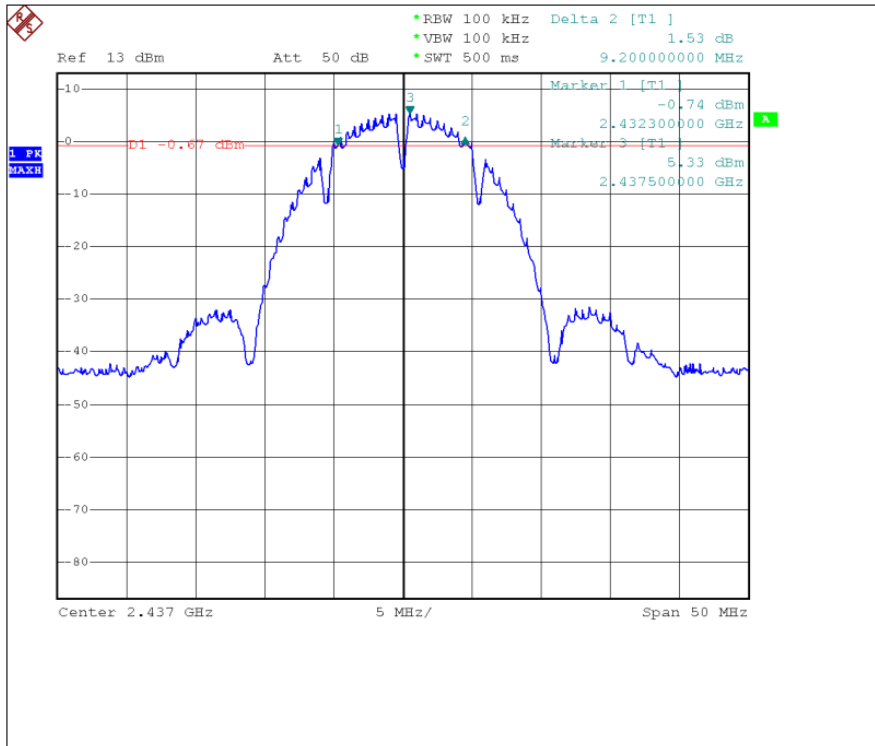
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	9300	500	Pass
06	2437	9200	500	Pass
11	2462	9200	500	Pass

Channel 01 (2412MHz)

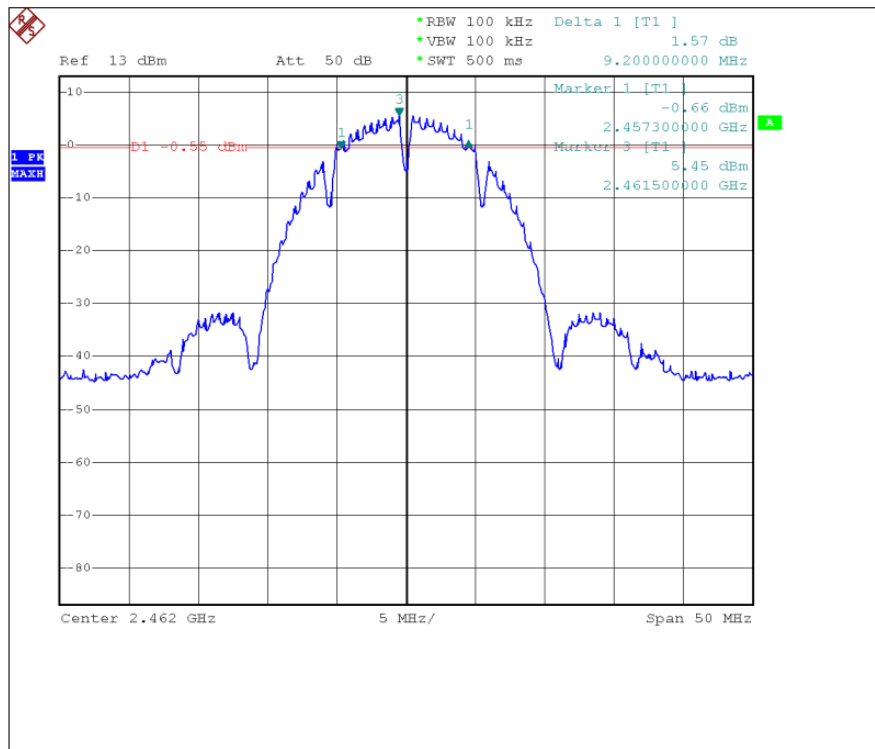




Channel 06 (2437MHz)



Channel 11 (2462MHz)

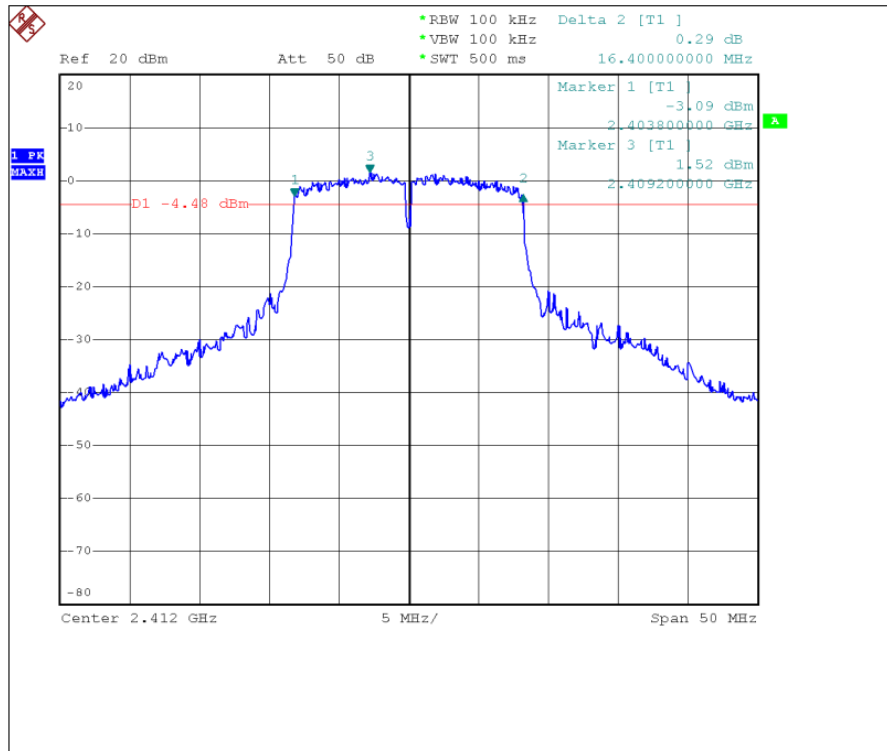




Test Item	Occupied Bandwidth
Test Mode	Mode 2: Transmit by 802.11g
Test Date	2009-04-06

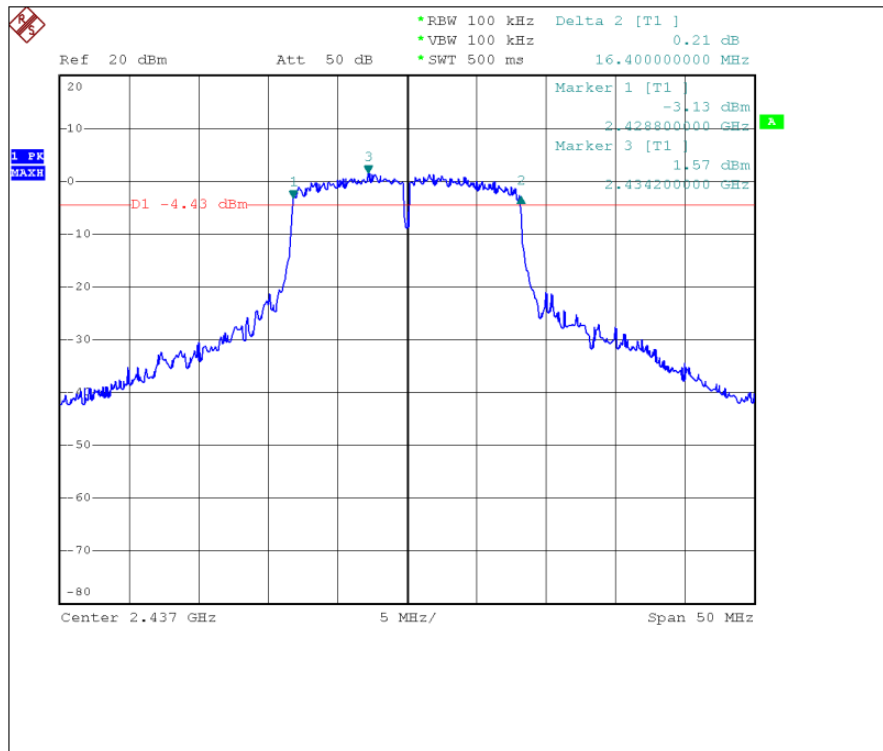
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	16400	500	Pass
06	2437	16400	500	Pass
11	2462	16400	500	Pass

Channel 01 (2412MHz)

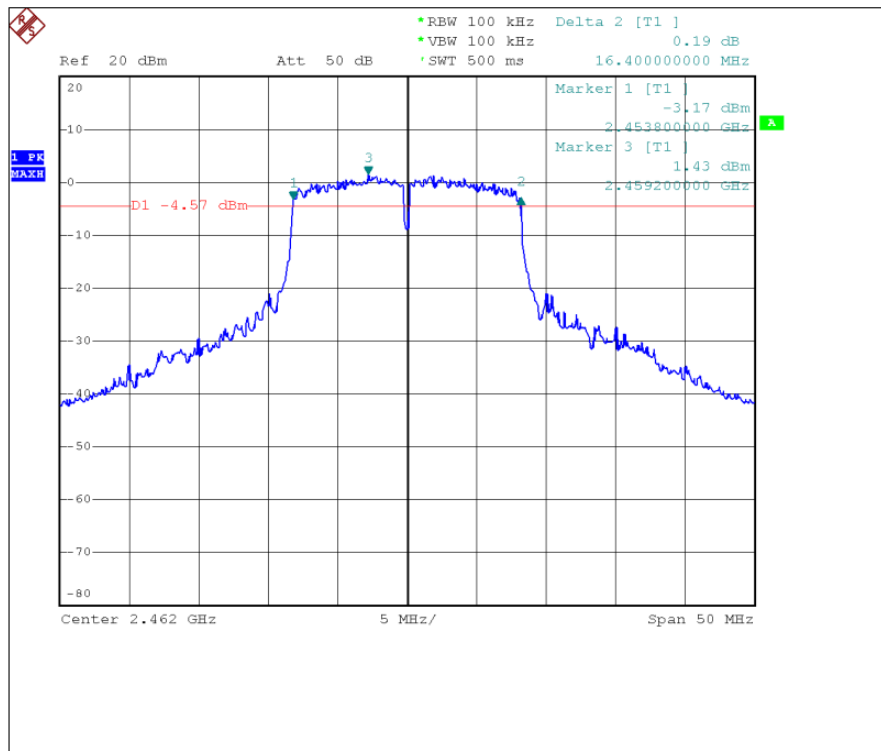




Channel 06 (2437MHz)



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.

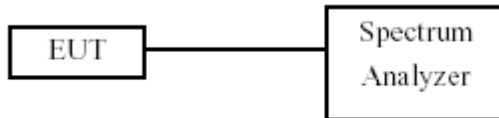
As "T" \geq sweep time, the test procedure will be used as following:

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

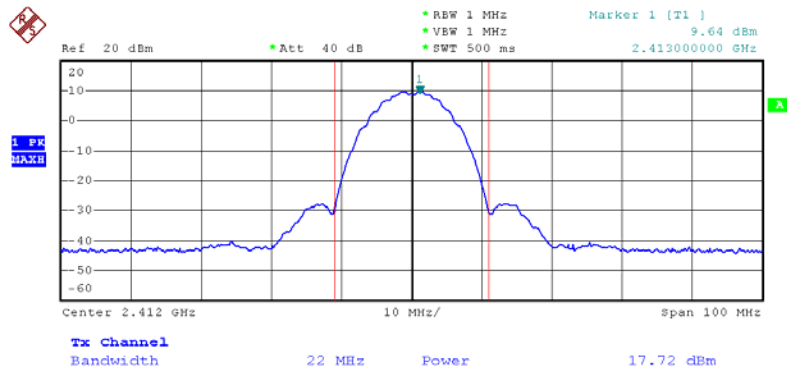


6.5. Test Result and Data

Test Item	Maximum Peak Output Power
Test Mode	Mode 1: Transmit by 802.11b
Test Date	2009-04-06

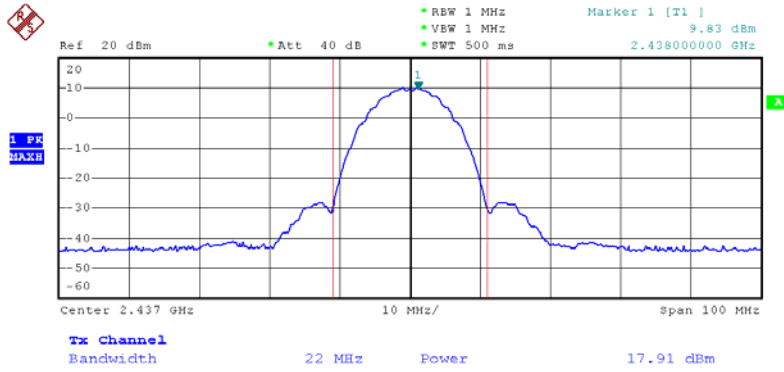
Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit (dBm)	Result
01	2412	17.72	30 dBm	Pass
06	2437	17.91	30 dBm	Pass
11	2462	18.05	30 dBm	Pass

Channel 01 (2412MHz)

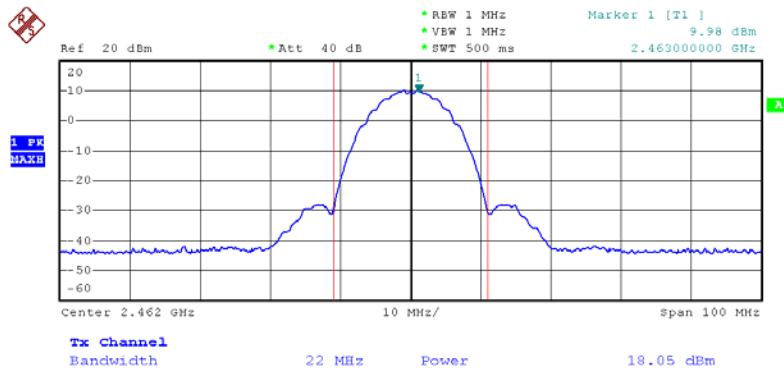




Channel 06 (2437MHz)



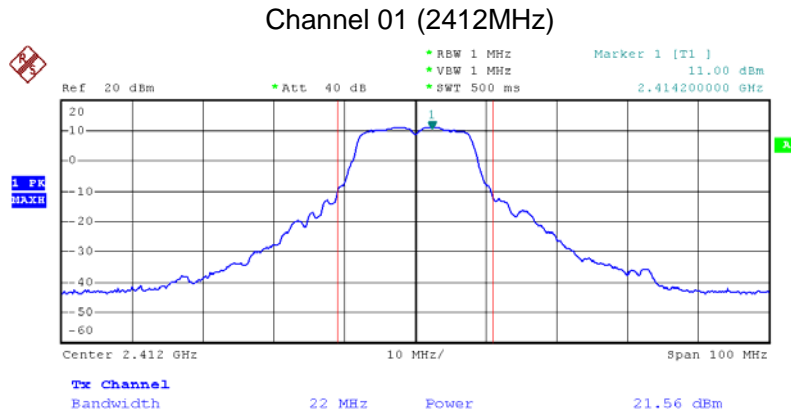
Channel 11 (2462MHz)





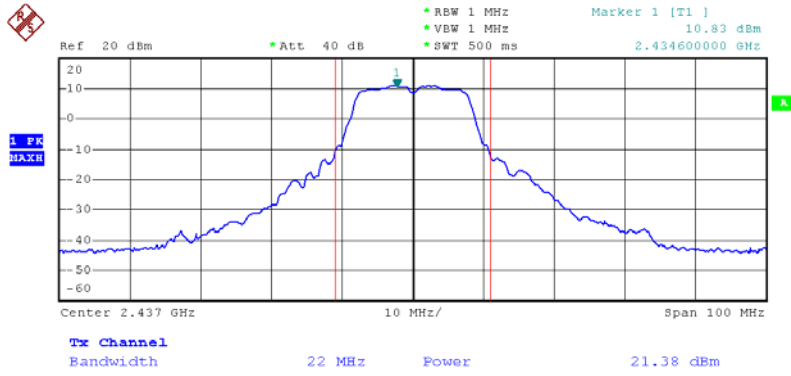
Test Item	Maximum Peak Output Power
Test Mode	Mode 2: Transmit by 802.11g
Test Date	2009-04-06

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit (dBm)	Result
01	2412	21.56	30 dBm	Pass
06	2437	21.38	30 dBm	Pass
11	2462	22.48	30 dBm	Pass

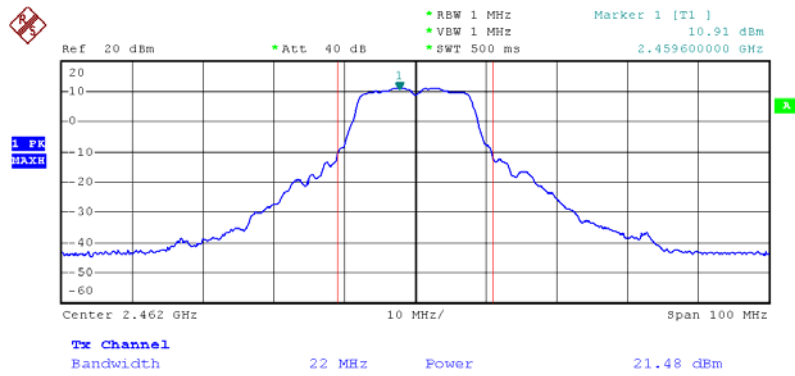




Channel 06 (2437MHz)



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.

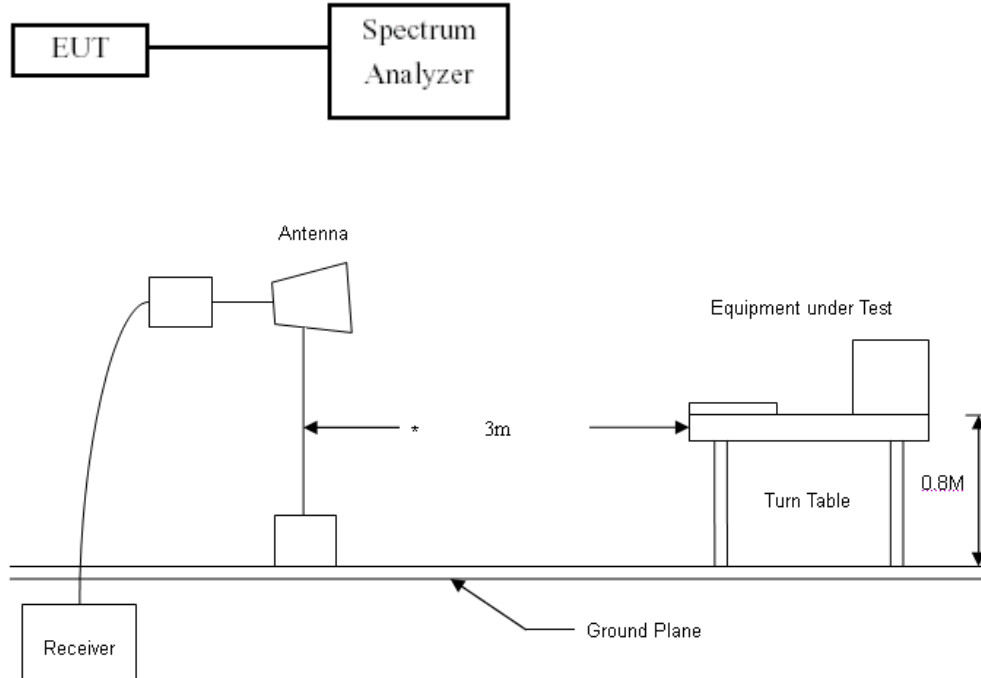
The spectrum from 30MHz to 26GHz is investigated with the transmitter set to the lowest, middle and highest channels in the 2.4GHz band.

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



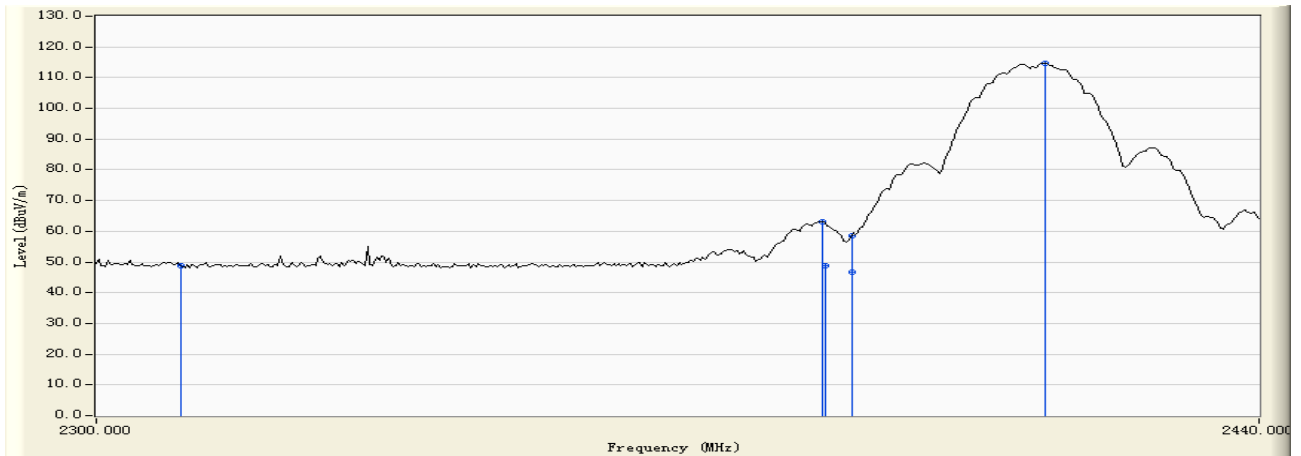
7.4. Measurement Equipment

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	Margin : 6
Site : EMC Lab AC102	Time : 2009/04/02- 19:03
EUT : QBOX-N270	Probe : BBHA9120D(1000-18000MHz) - HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by 802.11b (2412MHz)



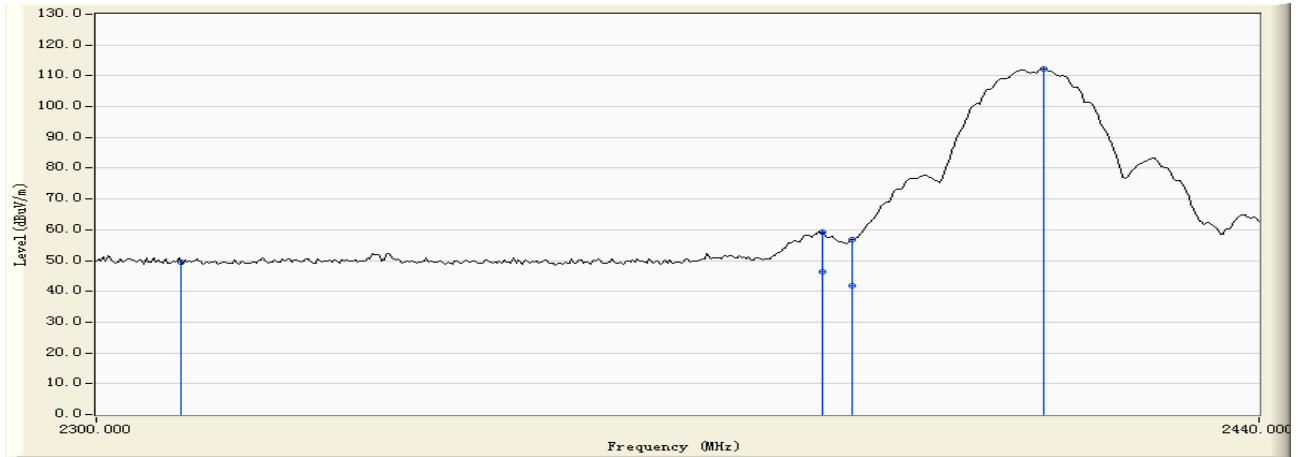
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-2.098	50.790	48.692	-25.278	73.970	PEAK
2		2386.520	-1.797	64.982	63.185	-10.785	73.970	PEAK
3		2386.850	-1.796	50.650	48.854	-5.116	53.970	AVERAGE
4		2390.000	-1.782	60.377	58.595	-15.375	73.970	PEAK
5		2390.000	-1.782	48.620	46.838	-7.132	53.970	AVERAGE
6	*	2413.680	-1.679	116.455	114.776	40.806	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	Margin : 6
Site : EMC Lab AC102	Time : 2009/04/02 - 19:10
EUT : QBOX-N270	Probe : BBHA9120D(1000-18000MHz) - VERTICAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by 802.11b (2412MHz)



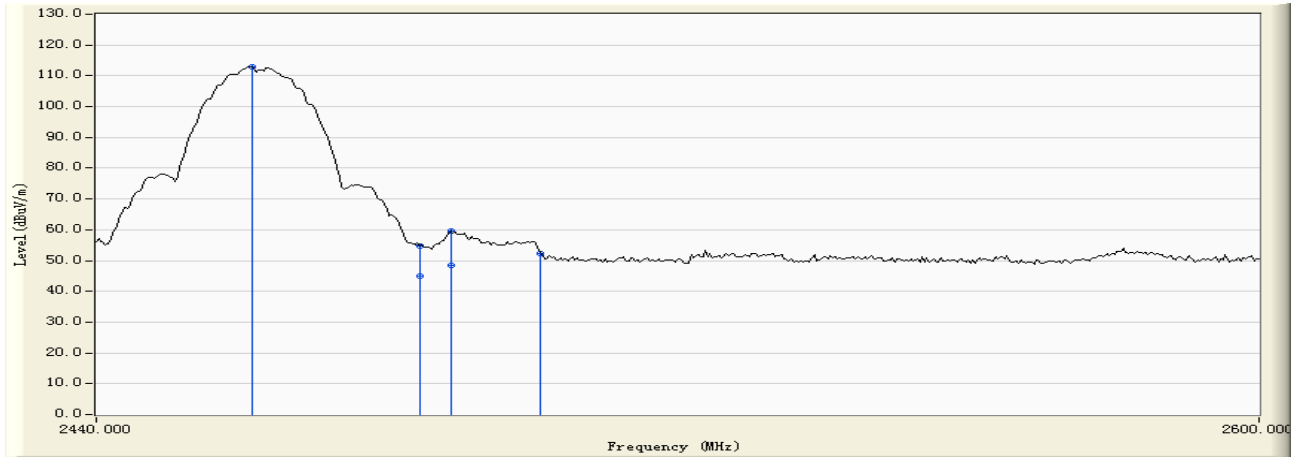
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-2.098	51.460	49.362	-24.608	73.970	PEAK
2		2386.520	-1.797	61.176	59.379	-14.591	73.970	PEAK
3		2386.530	-1.797	48.200	46.403	-7.567	53.970	AVERAGE
4		2390.000	-1.782	58.505	56.723	-17.247	73.970	PEAK
5		2390.000	-1.782	43.500	41.718	-12.252	53.970	AVERAGE
6	*	2413.400	-1.681	113.940	112.260	38.290	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	Margin : 6
Site : EMC Lab AC102	Time : 2009/04/02 - 19:15
EUT : QBOX-N270	Probe : BBHA9120D(1000-18000MHz) - HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by 802.11b (2462MHz)



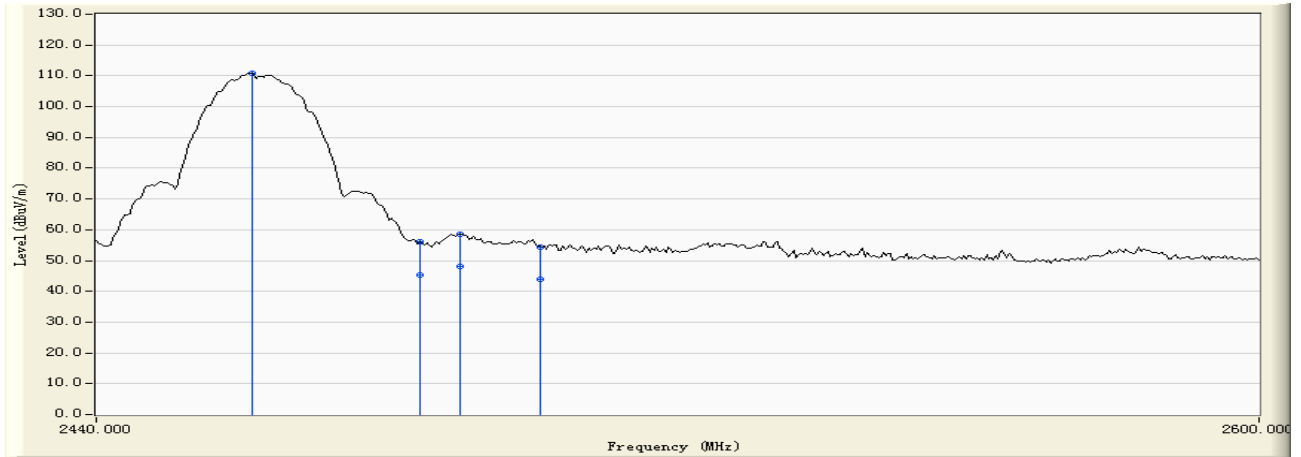
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.800	-1.484	114.349	112.865	38.895	73.970	PEAK
2		2483.500	-1.388	56.090	54.701	-19.269	73.970	PEAK
3		2483.500	-1.388	46.250	44.861	-9.109	53.970	AVERAGE
4		2487.680	-1.369	60.801	59.432	-14.538	73.970	PEAK
5		2487.680	-1.369	49.650	48.281	-5.689	53.970	AVERAGE
6		2500.000	-1.320	53.607	52.287	-21.683	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	Margin : 6
Site : EMC Lab AC102	Time : 2009/04/02 - 19:20
EUT : QBOX-N270	Probe : BBHA9120D(1000-18000MHz) - VERTICAL
Power : AC 120V/60HZ	Note : Mode 1: Transmit by 802.11b (2462MHz)



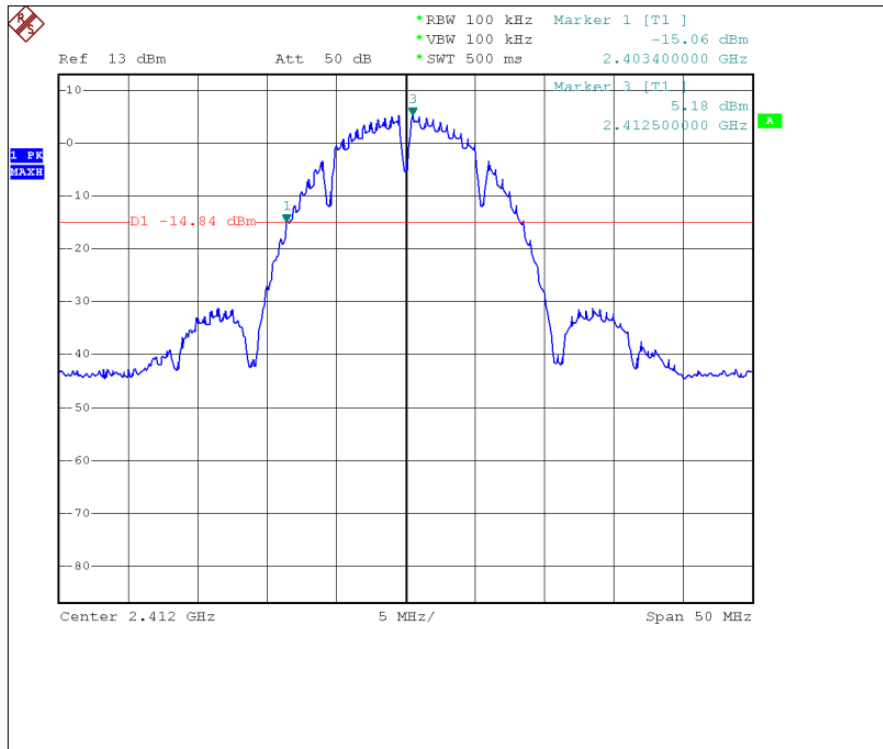
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.800	-1.484	112.257	110.773	36.803	73.970	PEAK
2		2483.500	-1.388	57.522	56.133	-17.837	73.970	PEAK
3		2483.500	-1.388	46.850	45.461	-8.509	53.970	AVERAGE
4		2488.940	-1.363	49.620	48.257	-5.713	53.970	AVERAGE
5		2488.960	-1.363	59.807	58.444	-15.526	73.970	PEAK
6		2500.000	-1.320	55.840	54.520	-19.450	73.970	PEAK
7		2500.000	-1.320	45.300	43.980	-9.990	53.970	AVERAGE

Note:

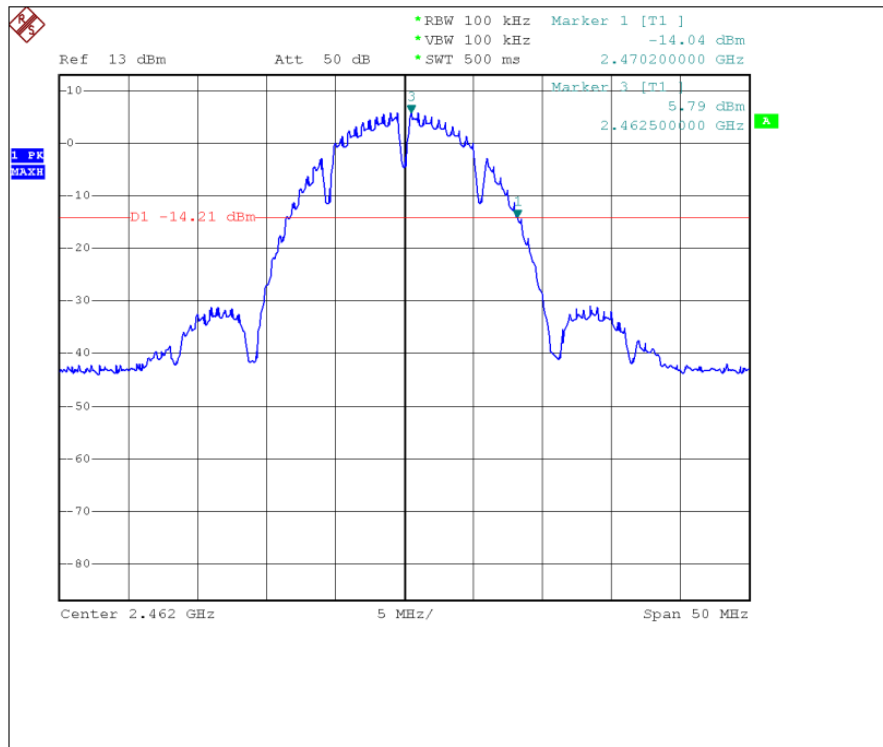
1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



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

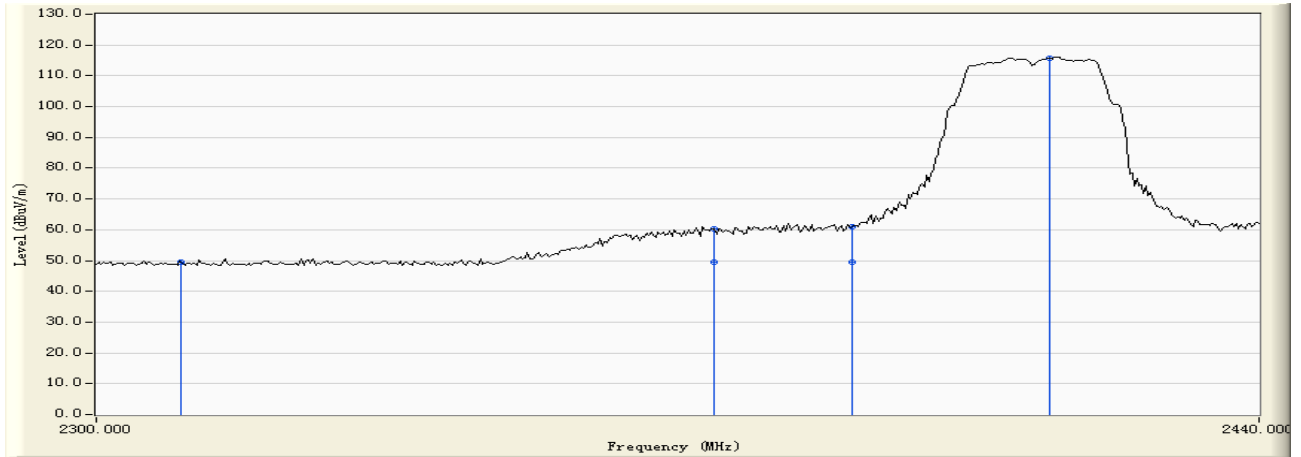


Band Edge (20dBc RF Conducted Measurement) Mode 1: Transmit by 802.11b (2462MHz)





Engineer : BEN	Margin : 6
Site : EMC Lab AC102	Time : 2009/04/02 - 19:26
EUT : QBOX-N270	Probe : BBHA9120D(1000-18000MHz) - HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by 802.11g (2412MHz)



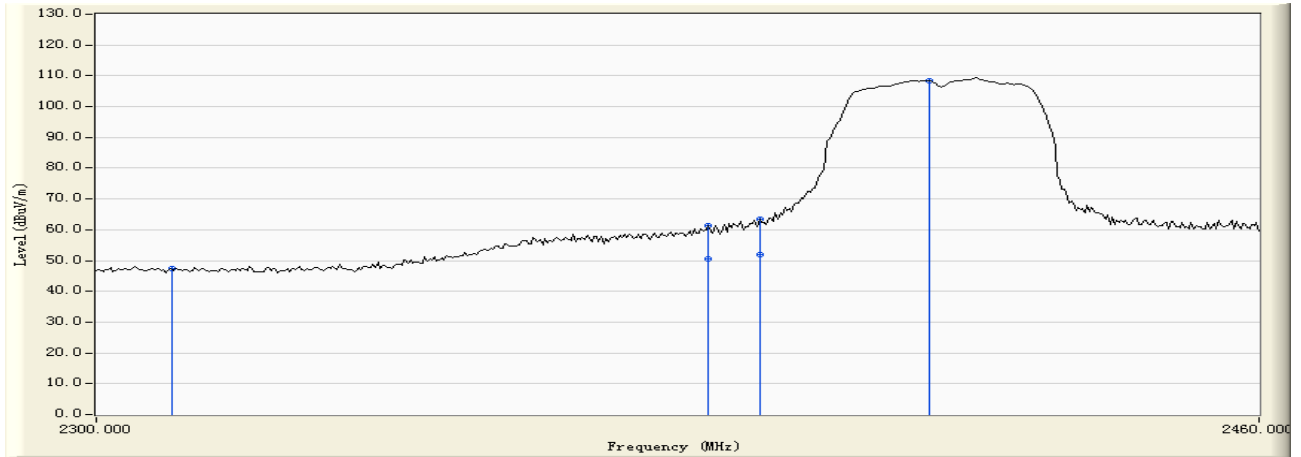
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-2.098	51.508	49.410	-24.560	73.970	PEAK
2		2373.360	-1.854	62.319	60.465	-13.505	73.970	PEAK
3		2373.360	-1.854	51.360	49.506	-4.464	53.970	AVERAGE
4		2390.000	-1.782	62.643	60.861	-13.109	73.970	PEAK
5		2390.000	-1.782	51.360	49.578	-4.392	53.970	AVERAGE
6	*	2414.240	-1.676	117.330	115.654	41.684	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	Margin : 6
Site : EMC Lab AC102	Time : 2009/04/02 - 19:44
EUT : QBOX-N270	Probe : BBHA9120D(1000-18000MHz) - VERTICAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by 802.11g (2412MHz)



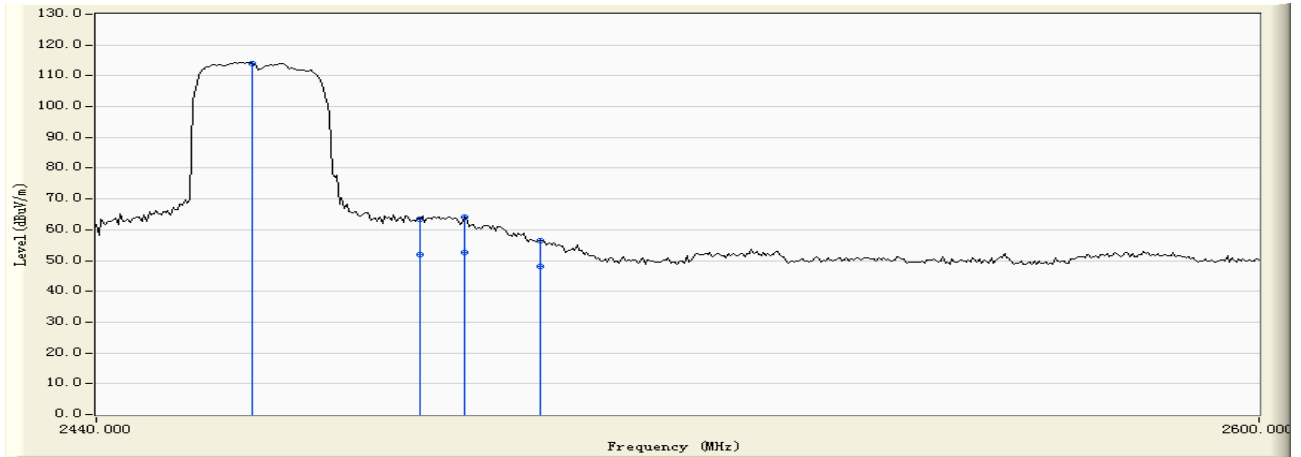
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-2.098	49.410	47.312	-26.658	73.970	PEAK
2		2382.880	-1.813	62.995	61.182	-12.788	73.970	PEAK
3		2382.880	-1.813	52.380	50.567	-3.403	53.970	AVERAGE
4		2390.000	-1.782	65.117	63.335	-10.635	73.970	PEAK
5		2390.000	-1.782	53.680	51.898	-2.072	53.970	AVERAGE
6	*	2413.600	-1.679	109.960	108.281	34.311	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	Margin : 6
Site : EMC Lab AC102	Time : 2009/04/02 - 20:03
EUT : QBOX-N270	Probe : BBHA9120D(1000-18000MHz) - HORIZONTAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by 802.11g (2462MHz)



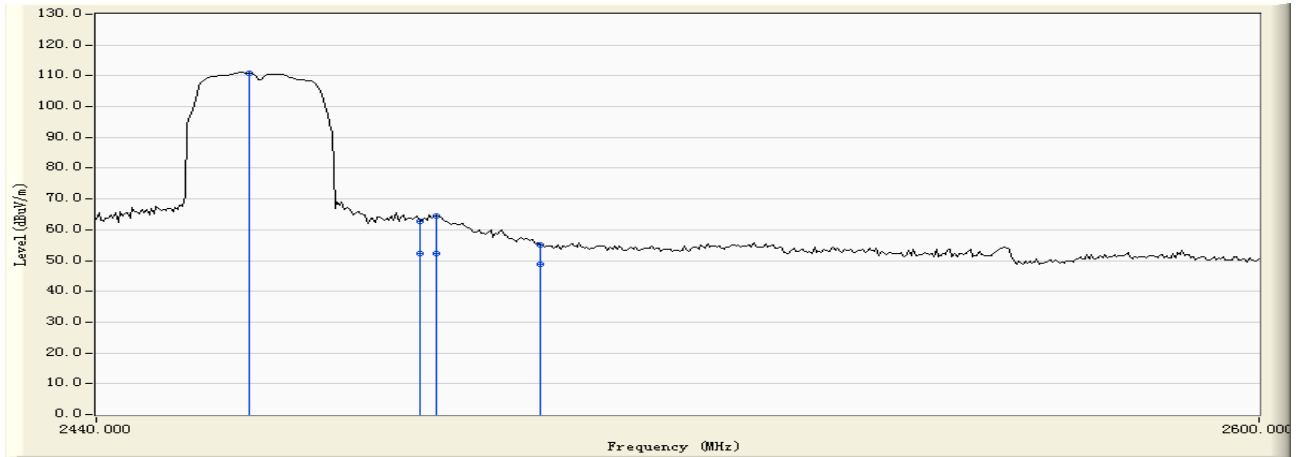
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.800	-1.484	115.506	114.022	40.052	73.970	PEAK
2		2483.500	-1.388	64.679	63.290	-10.680	73.970	PEAK
3		2483.500	-1.388	53.350	51.961	-2.009	53.970	AVERAGE
4		2489.600	-1.360	65.560	64.201	-9.769	73.970	PEAK
5		2489.600	-1.360	53.980	52.621	-1.349	53.970	AVERAGE
6		2500.000	-1.320	57.830	56.510	-17.460	73.970	PEAK
7		2500.000	-1.320	49.360	48.040	-5.930	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	Margin : 6
Site : EMC Lab AC102	Time : 2009/04/02 - 20:09
EUT : QBOX-N270	Probe : BBHA9120D(1000-18000MHz) - VERTICAL
Power : AC 120V/60HZ	Note : Mode 2: Transmit by 802.11g (2462MHz)



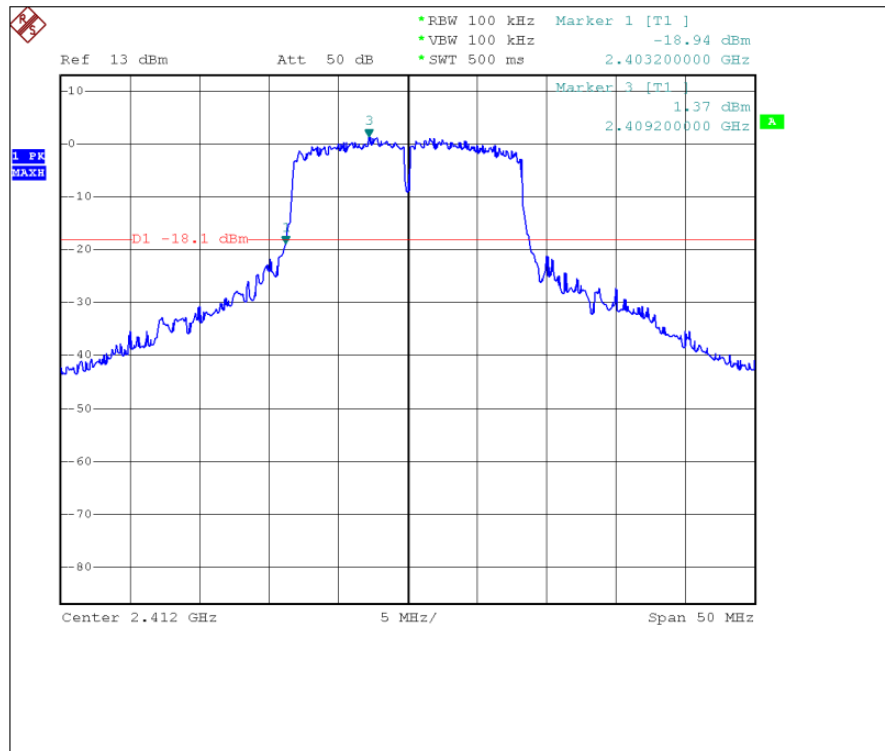
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.480	-1.485	112.380	110.894	36.924	73.970	PEAK
2		2483.500	-1.388	64.095	62.706	-11.264	73.970	PEAK
3		2483.500	-1.388	53.680	52.291	-1.679	53.970	AVERAGE
4		2485.760	-1.379	65.780	64.401	-9.569	73.970	PEAK
5		2485.760	-1.379	53.580	52.201	-1.769	53.970	AVERAGE
6		2500.000	-1.320	56.290	54.970	-19.000	73.970	PEAK
7		2500.000	-1.320	50.120	48.800	-5.170	53.970	AVERAGE

Note:

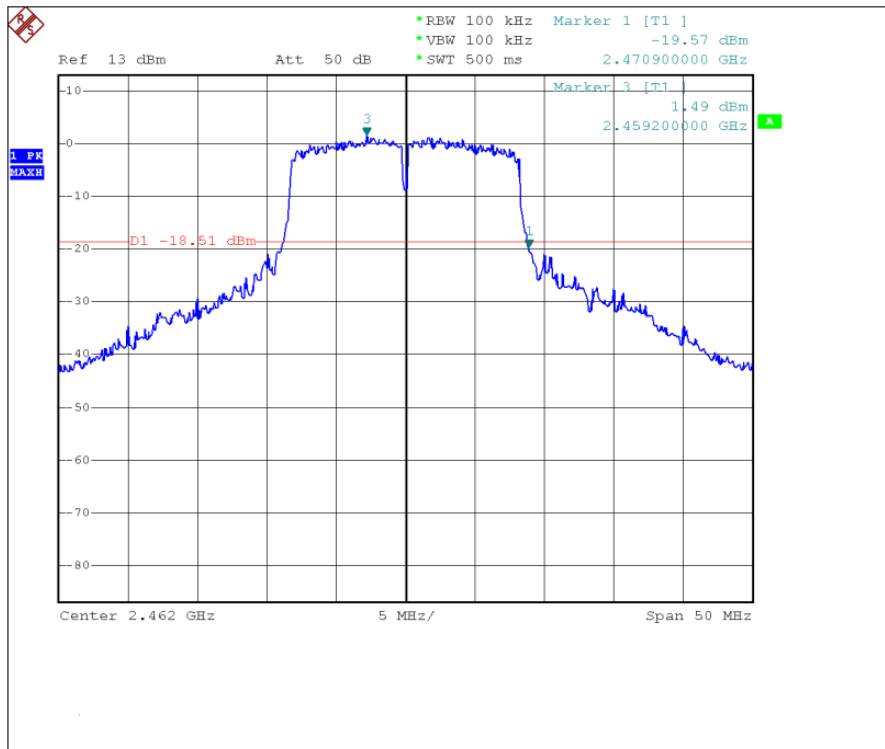
1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor



Band Edge (20dBc RF Conducted Measurement) Mode 2: Transmit by 802.11g (2412MHz)



Band Edge (20dBc RF Conducted Measurement) Mode 2: Transmit by 802.11g (2462MHz)





8. Power Spectral Density

8.1. Test Limit

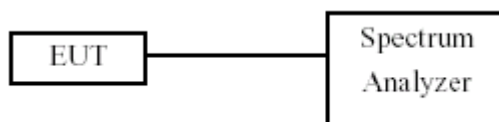
For digitally modulated systems, the power spectral density conducted from the intentional radiated to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

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

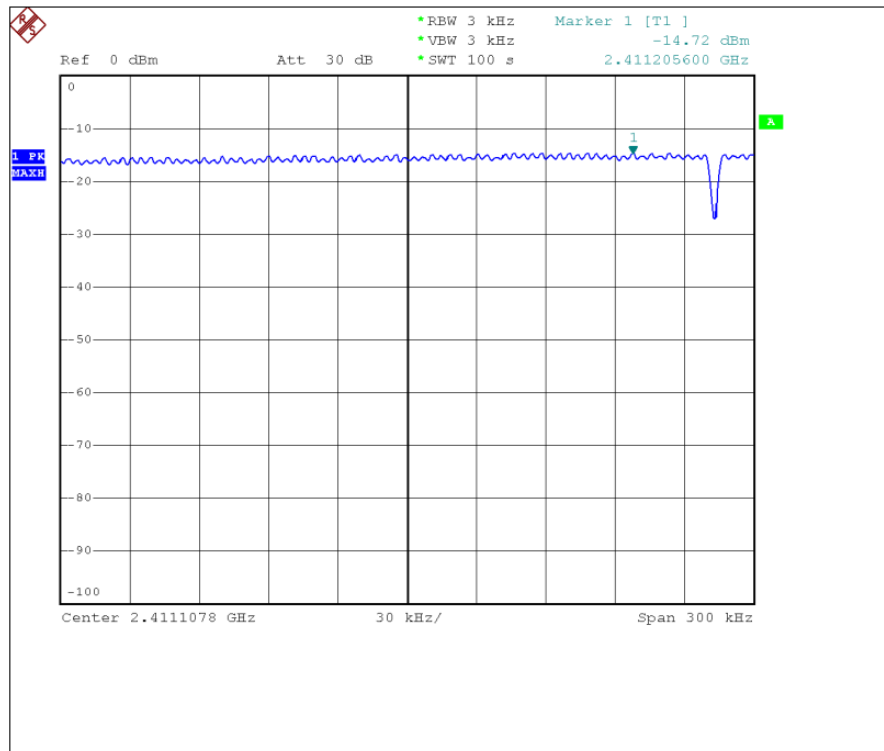


8.5. Test Result and Data

Test Item	Power Spectral Density
Test Mode	Mode 1: Transmit by 802.11b
Test Date	2009-04-06

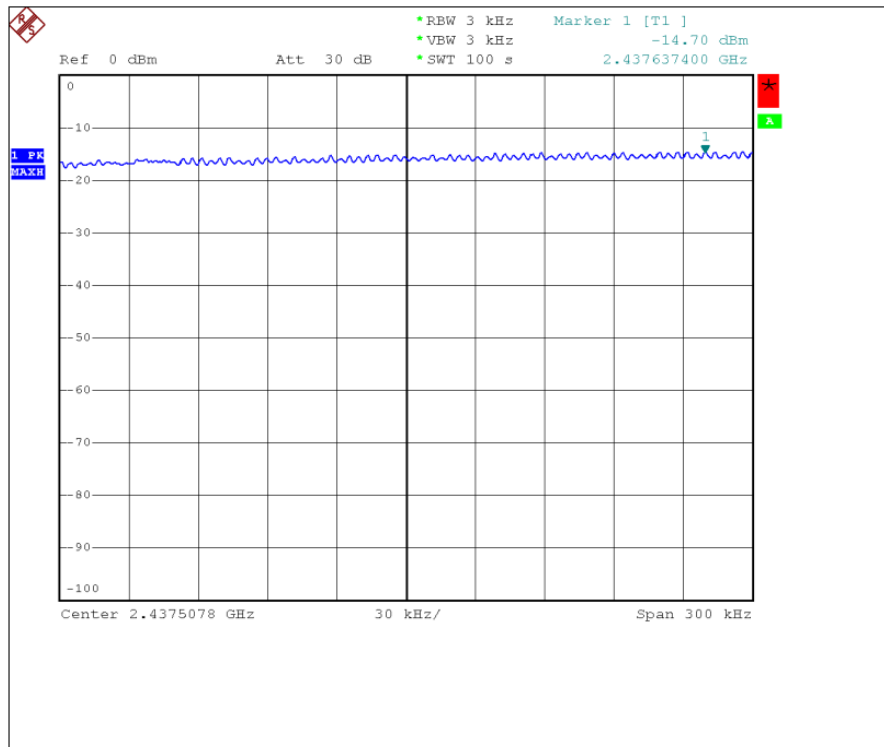
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-14.22	8	Pass
06	2437	-14.70	8	Pass
11	2462	-14.70	8	Pass

Channel 01 (2412MHz)

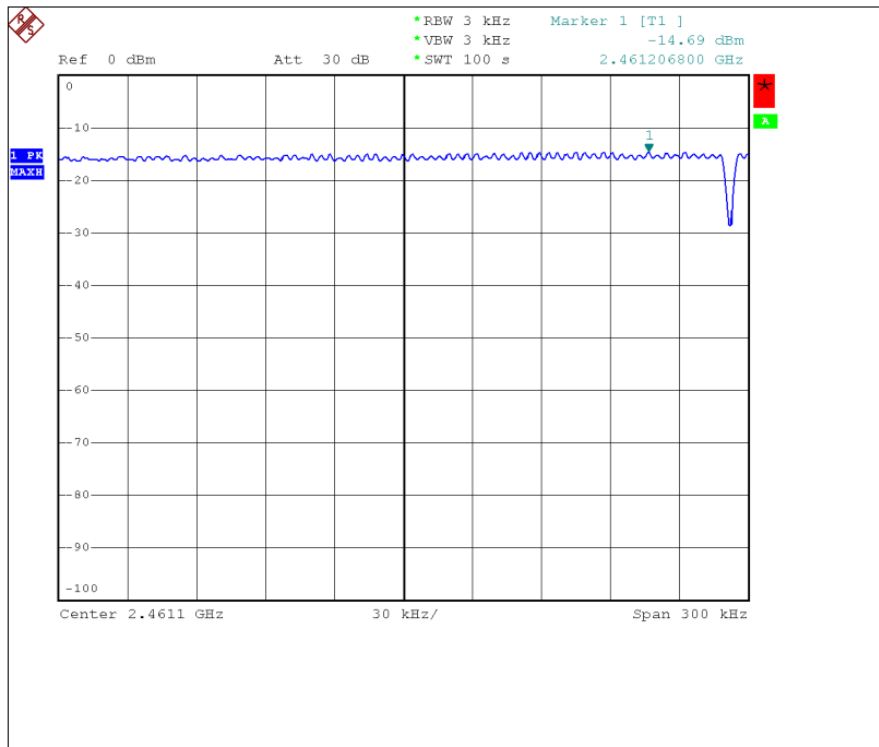




Channel 06 (2437MHz)



Channel 11 (2462MHz)

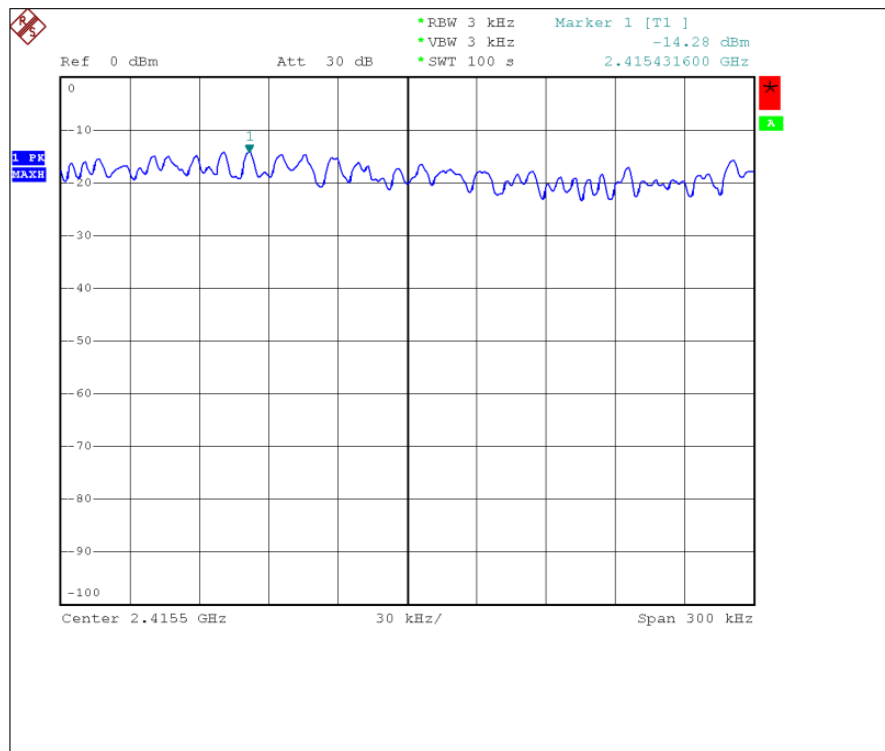




Test Item	Power Spectral Density
Test Mode	Mode 2: Transmit by 802.11g
Test Date	2009-04-06

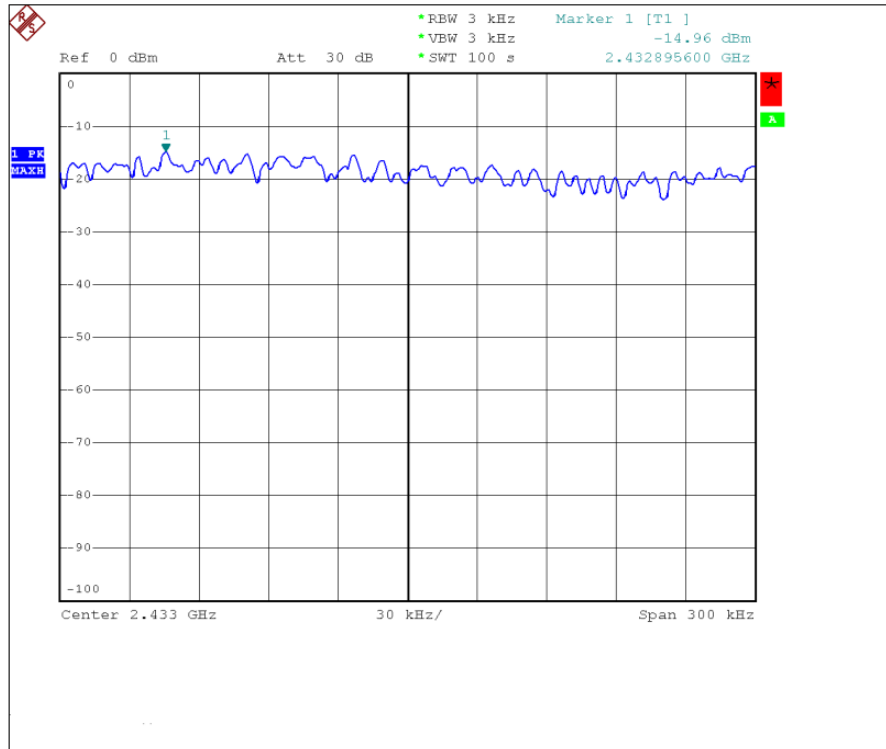
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-14.22	8	Pass
06	2437	-14.70	8	Pass
11	2462	-14.70	8	Pass

Channel 01 (2412MHz)

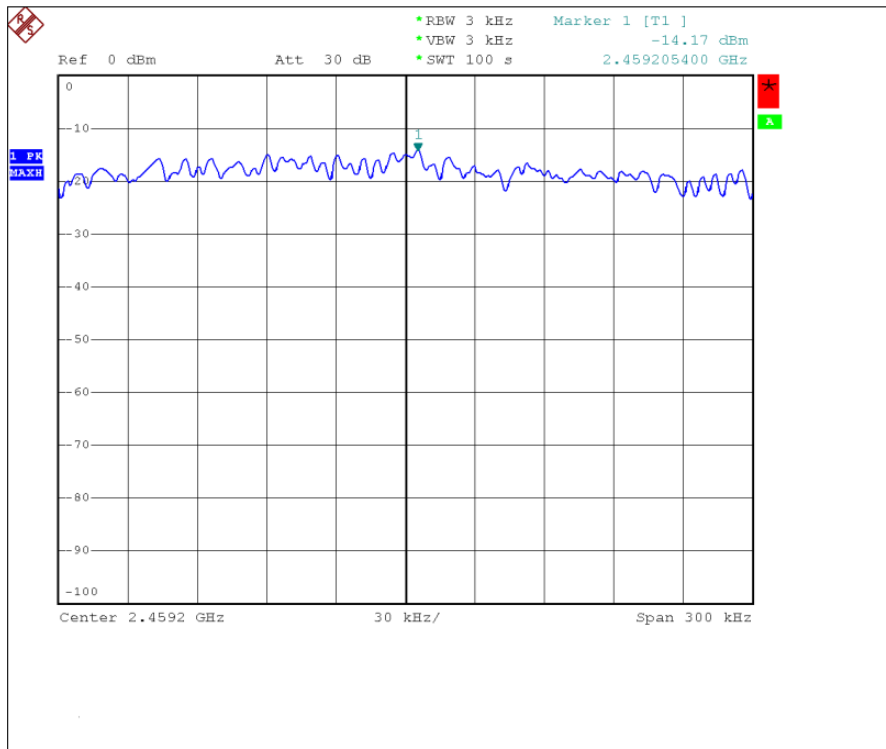




Channel 06 (2437MHz)



Channel 11 (2462MHz)





9. EUT Photographs







