



FCC TEST REPORT

According to

FCC CFR Title 47 Part 15 Subpart C

Applicant	: ZyXEL Communications Corp.
Address	: No. 6, Innovation Road II, Science Park, Hsinchu 300, Taiwan
Manufacturer	: ZyXEL Communications (WuXi) CO., Ltd.
Address	: 60#-E Minshan Road, Wuxi New District Jiangsu PRC
Equipment	: 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1
Model No.	: P-870HNUP-51B,P-870HNUP-51b,P-870HNP-51B, P-871HNU-51B,VSG1432-B101,VSG1435-B101, DSL-491HNUP-B1B,DSL-491HNU-B1B
FCC ID	: I88VSG1435B101

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Table of Contents

1. Report of Measurements and Examinations.....	6
2. Test Configuration of Equipment under Test.....	7
2.1. Feature of Equipment under Test	7
2.2. Carrier Frequency of Channels	8
2.3. Test Manner	9
2.4. Description of Test System	9
2.5. Connection Diagram of Test System	10
2.6. General Information of Test	11
2.7. Measurement Uncertainty	11
3. Test of Conducted Emission	12
3.1. Test Limit.....	12
3.2. Test Procedures.....	12
3.3. Typical Test Setup.....	13
3.4. Measurement Equipment	13
3.5. Test Result and Data	14
4. Test of Radiated Emission.....	18
4.1. Test Limit.....	18
4.2. Test Procedures.....	18
4.3. Typical Test Setup.....	19
4.4. Measurement Equipment	20
4.5. Test Result and Data	21
5. Occupied Bandwidth	261
5.1. Test Limit.....	261
5.2. Test Procedures.....	261
5.3. Test Setup Layout.....	261
5.4. Measurement Equipment	261
5.5. Test Result and Data	262
6. Maximum Peak Output Power	274
6.1. Test Limit.....	274
6.2. Test Procedure	274
6.3. Test Setup Layout.....	275
6.4. Measurement Equipment	275
6.5. Test Result and Data	276
7. Band Edges	288
7.1. Test Limit.....	288
7.2. Test Procedure	288
7.3. Test Setup Layout.....	289
7.4. Measurement Equipment	289
7.5. Test Result and Data	290
8. RF Antenna Conducted Spurious	328
8.1. Test Limit.....	328



8.2.	Test Procedure	328
8.3.	Test Setup Layout.....	328
8.4.	Measurement Equipment	328
8.5.	Test Result and Data	329
9.	Power Spectral Density.....	341
9.1.	Test Limit.....	341
9.2.	Test Procedure	341
9.3.	Test Setup Layout.....	341
9.4.	Measurement Equipment	341
9.5.	Test Result and Data	342



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HPNA3.1

Model No. : P-870HNUP-51B,P-870HNUP-51b,P-870HNP-51B,
P-871HNU-51B,VSG1432-B101,VSG1435-B101,
DSL-491HNUP-B1B,DSL-491HNU-B1B

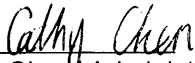
FCC ID : I88VSG1435B101

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 Sep 27, 2010 at **CerpPASS Technology Corp.**

Documented By:

Approved By:


Cathy Chen/ Administration


Hill Chen/ Technical director



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(c)	Band Edges	YES	PASS
15.247(c)	RF antenna conducted	YES	PASS
15.247(d)	Power Spectral Density	YES	PASS



2. Test Configuration of Equipment under Test

2.1. Feature of Equipment under Test

802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Model No:	P-870HNUP-51B,P-870HNUP-51b,P-870HN P-51B,P-871HNU-51B,VSG1432-B101,VSG1 435-B101,DSL-491HNUP-B1B,DSL-491HNU -B1B
Power Adapter	Manufacturer:	LEI
	Model No.:	MU18-D120150-A1
	Input:	100~240V~ 50/60Hz 0.6A
	Output:	12V \square 1.5A
Power supply cable	Non-Shielded, 1.5m	
Remark	They are identical except the model name. This is only to satisfy the different requirements of the client. VSG1435-B101 was selected as the test model and its data have been recorded in this report.	

WLAN	Broadcom/BCM43222
Spreading	802.11b: DSSS 802.11g / n: OFDM
Frequency Range	802.11b/g/n(20MHz): 2412-2462MHz 802.11n(40MHz): 2422-2452MHz
Number of Channels	802.11b/g/n (20MHz):11 802.11n (40MHz): 7
Data Rate	802.11b: 11, 5.5, 2, 1 Mbps 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11n: up to 300Mbps
Antenna Type	Dipole antenna
Antenna Gain	Ant0: 65-031-240114B/2.0dBi; Ant1: 65-031-087010B/3.0dBi;



2.2. Carrier Frequency of Channels

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

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

802.11n (40MHz)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
---	---	07	2442
---	---	08	2447
03	2422	09	2452
04	2427	---	---
05	2432	---	---
06	2437	---	---



2.3. Test Manner

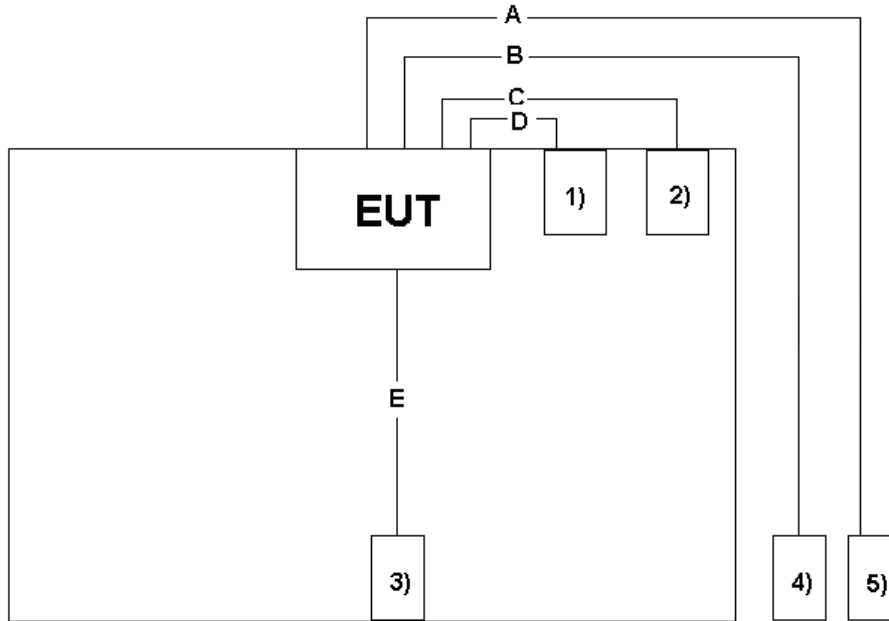
Test Manner	
a	During testing, the interface cables and equipment positions were varied according to 47 CFR, Part 2, Part 15
b	Connect the HUB, Load, IPOD, Notebook, IP Express and EUT.
c	Adjust the EUT at the test mode and the test channel. Then test.
The test modes:	
	Mode 1: Transmit by 802.11b
	Mode 2: Transmit by 802.11g
	Mode 3: Transmit by 802.11n (20MHz) (An0 and An1)
	Mode 4: Transmit by 802.11n (40MHz) (An0 and An1)

2.4. Description of Test System

No	Device	Manufacturer	Model No.	Description
1	HUB	D-Link	DI-504	N/A
2	Load	N/A	N/A	N/A
3	IPOD	Apple	MA477TA/A	N/A
4	Notebook	ASUS	W6A	Power by adaptor
5	IP Express	ASKEY	N/A	N/A



2.5. Connection Diagram of Test System



Use Cable

Item	Cable	Quantity	Description
A	Telephone Cable	1	Non-shielding, >3.0m
B	LAN Cable	1	Non-shielding, >3.0m
C	BNC Cable	1	Shielding, 1.2m
D	LAN Cable	1	Non-shielding, 1.5m
E	USB Cable	1	Shielding, 1.2m

**2.6. General Information of Test**

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

Laboratory accreditation

**2.7. Measurement Uncertainty**

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



3. Test of Conducted Emission

3.1. 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)

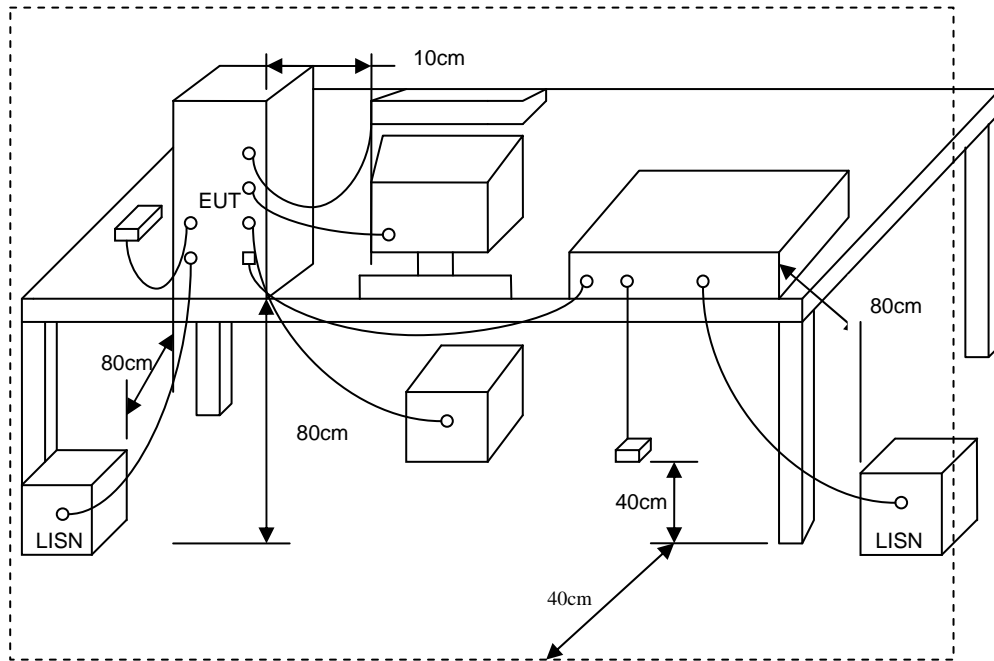
Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

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



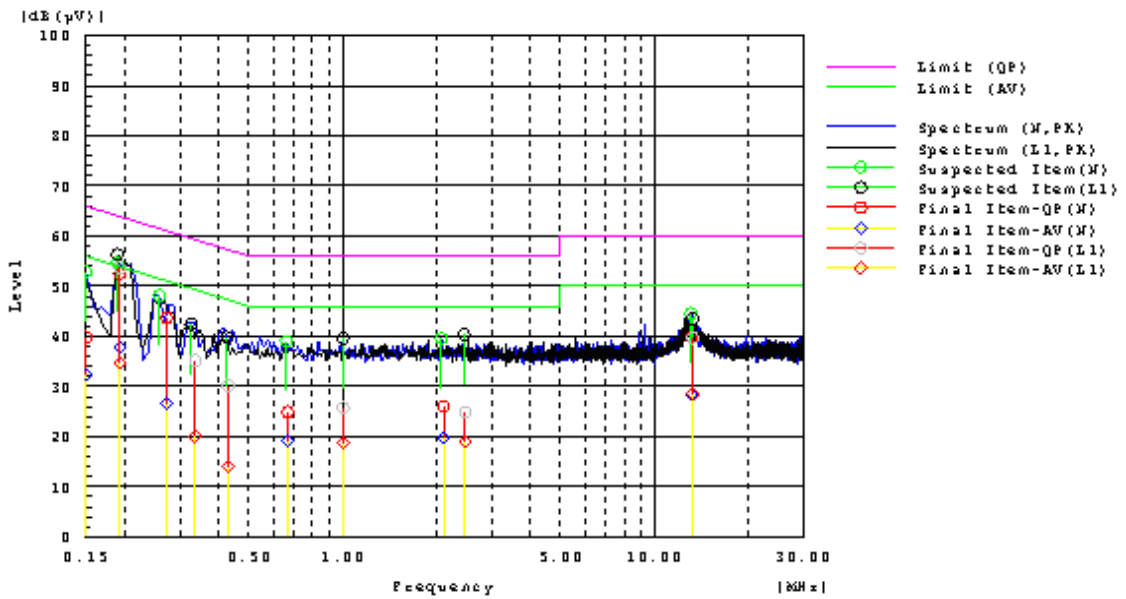
3.4. Measurement Equipment

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



3.5. Test Result and Data

Test Mode :	Mode 1: Transmit by 802.11b (An0) (2437MHz)		
AC Power :	AC 120V/60Hz	Phase :	L&N
Temperature :	22°C	Humidity:	50%
Pressur(mbar) :	1002	Date:	2010/09/26

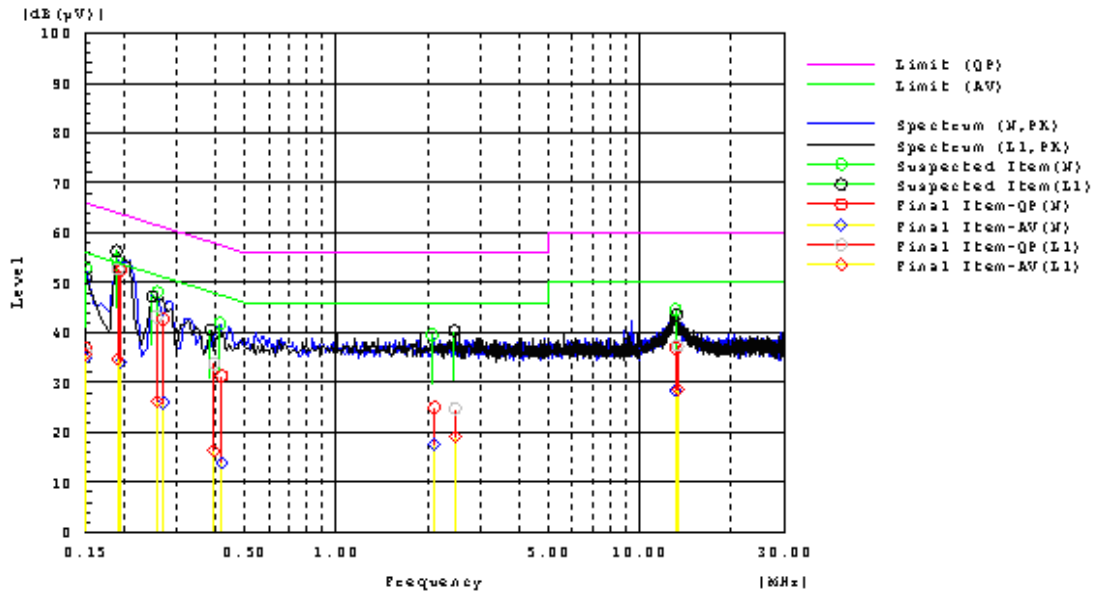


Frequency MHz	Line Phase	Reading dB(uV) QP	Reading dB(uV) AV	Factor dB	Level dB(uV) QP	Level dB(uV) AV	Limit dB(uV) QP	Limit dB(uV) AV	Margin dB QP	Margin dB AV	Pass/Fail
0.19213	L1	33.7	14.8	19.9	53.6	34.7	63.9	53.9	10.3	19.2	Pass
0.33672	L1	15.3	0.1	19.9	35.2	20.0	59.3	49.3	24.1	29.3	Pass
13.2623	L1	19.9	8.6	19.8	39.7	28.4	60.0	50.0	20.3	21.6	Pass
2.4697	L1	5.1	-0.6	19.7	24.8	19.1	56.0	46.0	31.2	26.9	Pass
1.00386	L1	6.0	-0.9	19.8	25.8	18.9	56.0	46.0	30.2	27.1	Pass
0.42924	L1	10.3	-5.9	19.9	30.2	14.0	57.3	47.3	27.1	33.3	Pass
0.150	N	20.4	12.9	19.5	39.9	32.4	66.0	56.0	26.1	23.6	Pass
0.1926	N	33.0	18.3	19.5	52.5	37.8	63.9	53.9	11.4	16.1	Pass
0.2725	N	24.2	7.2	19.5	43.7	26.7	61.0	51.0	17.3	24.3	Pass
13.1652	N	19.8	8.5	19.9	39.7	28.4	60.0	50.0	20.3	21.6	Pass
0.6654	N	5.4	-0.2	19.5	24.9	19.3	56.0	46.0	31.1	26.7	Pass
2.1065	N	6.5	0.4	19.5	26.0	19.9	56.0	46.0	30.0	26.1	Pass

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 2: Transmit by 802.11g(An0) (2437MHz)		
AC Power :	AC 120V/60Hz	Phase :	L&N
Temperature :	22°C	Humidity:	50%
Pressur(mbar) :	1002	Date:	2010/09/26

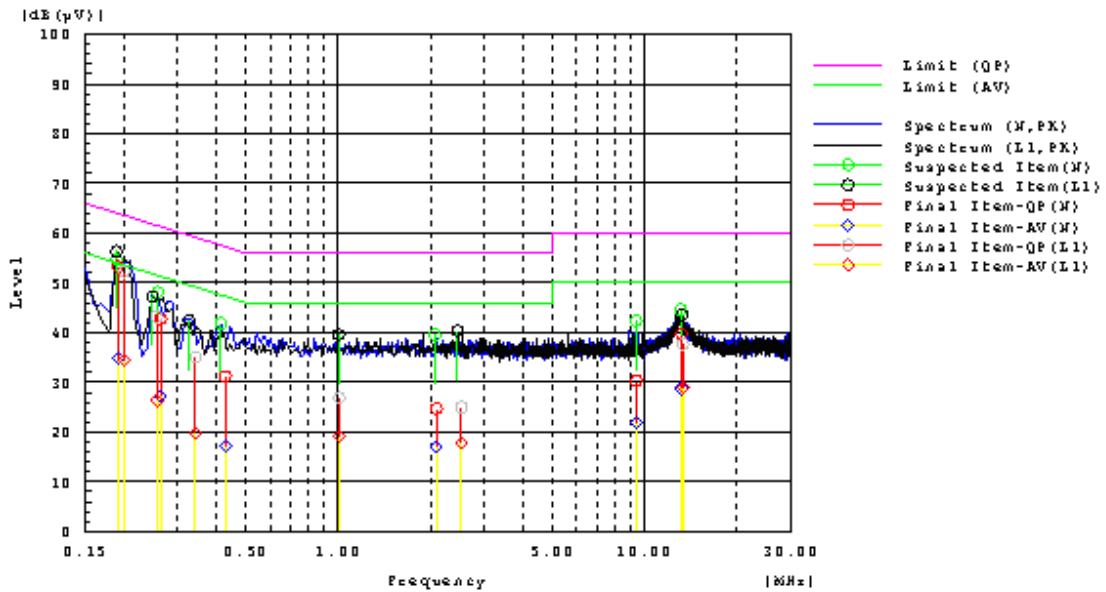


Frequency MHz	Line Phase	Reading dB(uV) QP	Reading dB(uV) AV	Factor dB	Level dB(uV) QP	Level dB(uV) AV	Limit dB(uV) QP	Limit dB(uV) AV	Margin dB QP	Margin dB AV	Pass/Fail
0.150	L1	16.0	15.8	19.9	35.9	35.7	66.0	56.0	30.1	20.3	Pass
0.19125	L1	32.8	14.8	19.9	52.7	34.7	64.0	54.0	11.3	19.3	Pass
0.25634	L1	23.3	6.3	19.9	43.2	26.2	61.5	51.5	18.3	25.3	Pass
0.3964	L1	13.9	-3.5	19.9	33.8	16.4	57.9	47.9	24.1	31.5	Pass
2.4684	L1	5.1	-0.5	19.7	24.8	19.2	56.0	46.0	31.2	26.8	Pass
13.297	L1	17.6	8.8	19.8	37.4	28.6	60.0	50.0	22.6	21.4	Pass
0.150	N	17.4	15.3	19.5	36.9	34.8	66.0	56.0	29.1	21.2	Pass
0.1953	N	33.0	14.6	19.5	52.5	34.1	63.8	53.8	11.3	19.7	Pass
0.2695	N	23.2	6.5	19.5	42.7	26.0	61.1	51.1	18.4	25.1	Pass
0.4203	N	11.8	-5.5	19.5	31.3	14.0	57.4	47.4	26.1	33.4	Pass
2.1065	N	5.5	-1.8	19.5	25.0	17.7	56.0	46.0	31.0	28.3	Pass
13.106	N	17.0	8.5	19.9	36.9	28.4	60.0	50.0	23.1	21.6	Pass

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2437MHz)		
AC Power :	AC 120V/60Hz	Phase :	L&N
Temperature :	22°C	Humidity:	50%
Pressur(mbar) :	1002	Date:	2010/09/26

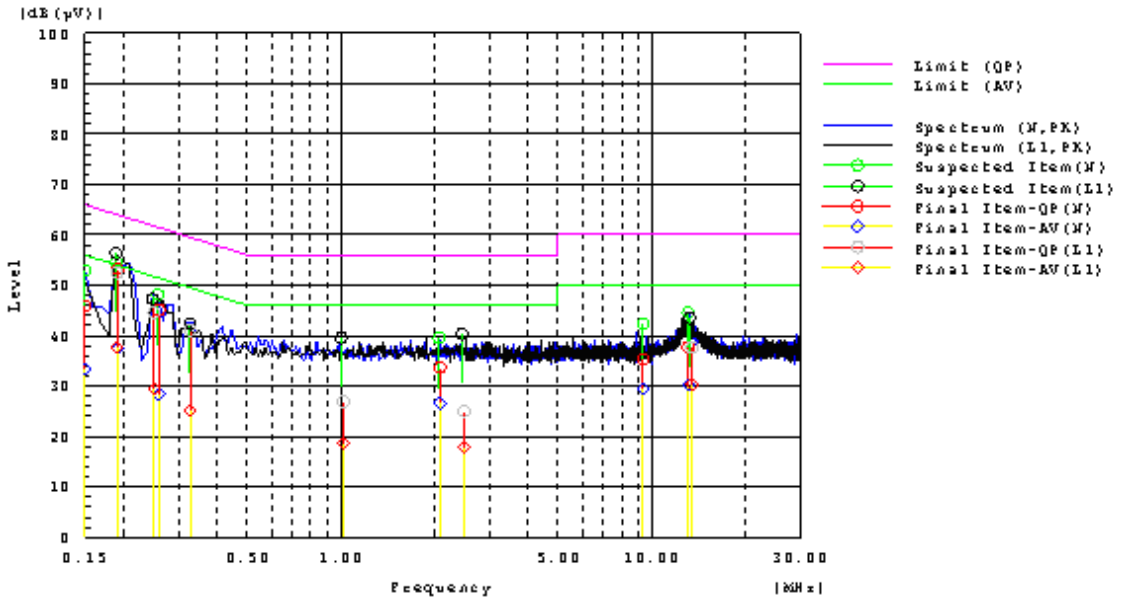


Frequency MHz	Line Phase	Reading dB(uV) QP	Reading dB(uV) AV	Factor dB	Level dB(uV) QP	Level dB(uV) AV	Limit dB(uV) QP	Limit dB(uV) AV	Margin dB QP	Margin dB AV	Pass/Fail
0.20054	L1	32.4	14.7	19.9	52.3	34.6	63.6	53.6	11.3	19.0	Pass
0.25617	L1	23.3	6.4	19.9	43.2	26.3	61.6	51.6	18.4	25.3	Pass
13.297	L1	17.9	9.2	19.8	37.7	29.0	60.0	50.0	22.3	21.0	Pass
2.524	L1	5.3	-1.8	19.7	25.0	17.9	56.0	46.0	31.0	28.1	Pass
0.3421	L1	15.2	-0.2	19.9	35.1	19.7	59.2	49.2	24.1	29.5	Pass
1.00824	L1	7.2	-0.4	19.7	26.9	19.3	56.0	46.0	29.1	26.7	Pass
0.1914	N	33.8	15.3	19.5	53.3	34.8	64.0	54.0	10.7	19.2	Pass
0.2635	N	23.2	7.7	19.5	42.7	27.2	61.3	51.3	18.6	24.1	Pass
13.184	N	19.8	8.9	19.9	39.7	28.8	60.0	50.0	20.3	21.2	Pass
9.3934	N	10.5	2.1	19.8	30.3	21.9	60.0	50.0	29.7	28.1	Pass
2.0924	N	5.2	-2.4	19.5	24.7	17.1	56.0	46.0	31.3	28.9	Pass
0.4287	N	11.7	-2.3	19.5	31.2	17.2	57.3	47.3	26.1	30.1	Pass

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 4: Transmit by 802.11 n(40MHz) (An0 and An1) (2437MHz)		
AC Power :	AC 120V/60Hz	Phase :	L&N
Temperature :	22°C	Humidity:	50%
Pressur(mbar) :	1002	Date:	2010/09/26



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
0.19045	L1	32.6	17.8	19.9	52.5	37.7	64.0	54.0	11.5	16.3	Pass
13.482	L1	17.9	10.5	19.8	37.7	30.3	60.0	50.0	22.3	19.7	Pass
2.4924	L1	5.3	-1.8	19.7	25.0	17.9	56.0	46.0	31.0	28.1	Pass
1.0184	L1	7.2	-1.0	19.7	26.9	18.7	56.0	46.0	29.1	27.3	Pass
0.2504	L1	24.7	9.5	19.9	44.6	29.4	61.7	51.7	17.1	22.3	Pass
0.32827	L1	21.2	5.3	19.9	41.1	25.2	59.5	49.5	18.4	24.3	Pass
0.19145	N	33.7	18.1	19.5	53.2	37.6	64.0	54.0	10.8	16.4	Pass
0.150	N	26.4	13.9	19.5	45.9	33.4	66.0	56.0	20.1	22.6	Pass
0.2602	N	25.6	8.8	19.5	45.1	28.3	61.4	51.4	16.3	23.1	Pass
13.104	N	17.8	10.4	19.9	37.7	30.3	60.0	50.0	22.3	19.7	Pass
9.3714	N	15.6	9.6	19.8	35.4	29.4	60.0	50.0	24.6	20.6	Pass
2.0853	N	14.2	7.2	19.5	33.7	26.7	56.0	46.0	22.3	19.3	Pass

Note: Measurement Level = Reading Level + Correct Factor

Fred Guo

Test engineer: _____



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



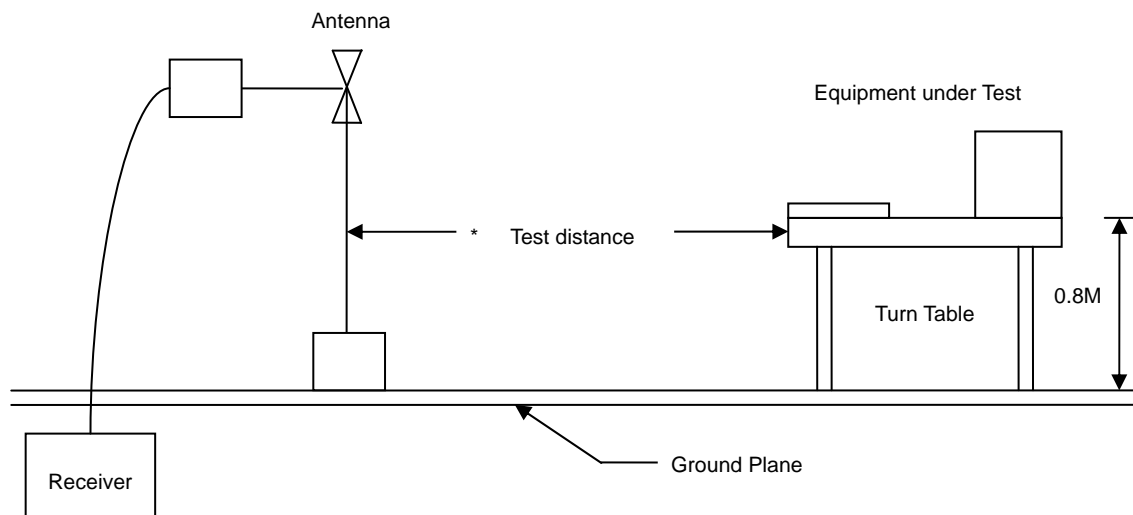
bandwidth is set to 1MHz for peak measurements and 10Hz for average measurements.

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.

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

4.3. Typical Test Setup



**4.4. Measurement Equipment**

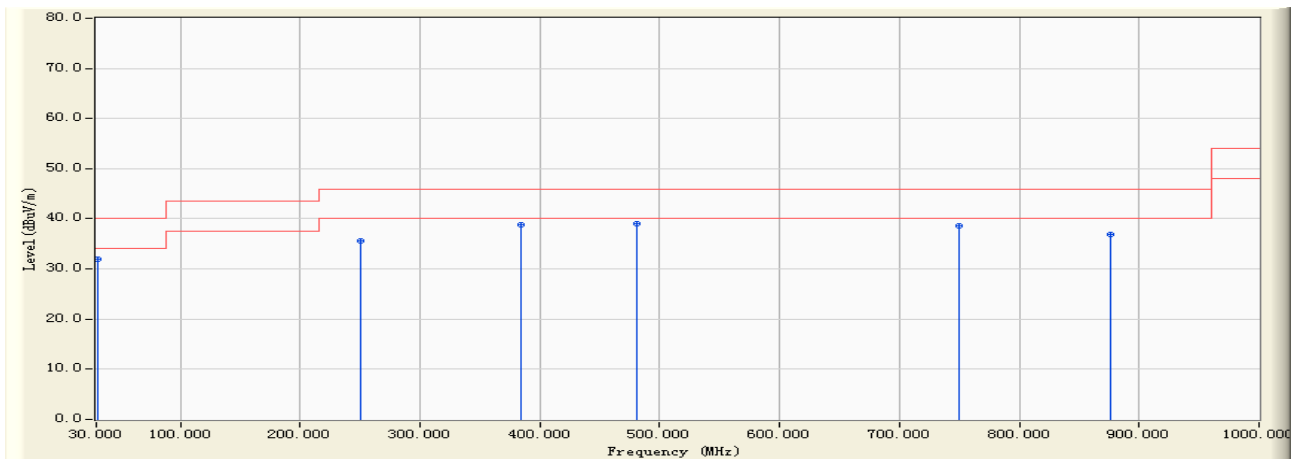
Instrument	Model No.	Manufacturer	Serial No.	Calibration Date
EMI Test Receiver	R&S	ESCI	100563	2010.06.23
H64 Amplifier	HP	8447F	3113A05582	2010.08.14
Preamplifier	Agilent	8449B	ED-HE-EMI-077	2010.02.10
Preamplifier	Agilent	8449B	3008A02342	2010.02.10
Ultra Broadband Antenna	R&S	HL562	100362	2009.11.25
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	9120D-619	2009.11.10
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	9170-347	2009.10.15
Spectrum Analyzer	R&S	FSP40	100324	2010.08.14
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2010.08.17



4.5. Test Result and Data

Under 1G:

Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 17:20
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2412MHz)



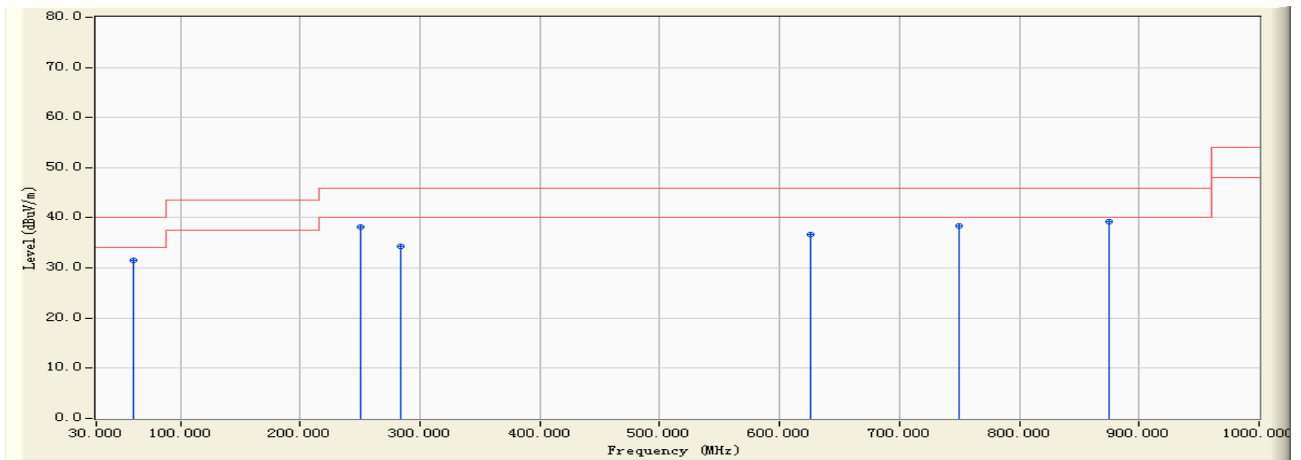
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		31.250	-8.116	40.150	32.034	-7.966	40.000	QUASPEAK
2		250.600	-12.883	48.510	35.627	-10.373	46.000	QUASPEAK
3		384.510	-9.741	48.520	38.779	-7.221	46.000	QUASPEAK
4	*	480.520	-5.127	44.170	39.043	-6.957	46.000	QUASPEAK
5		750.160	-1.496	40.170	38.674	-7.326	46.000	QUASPEAK
6		875.630	0.370	36.520	36.890	-9.110	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 17:21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2412MHz)



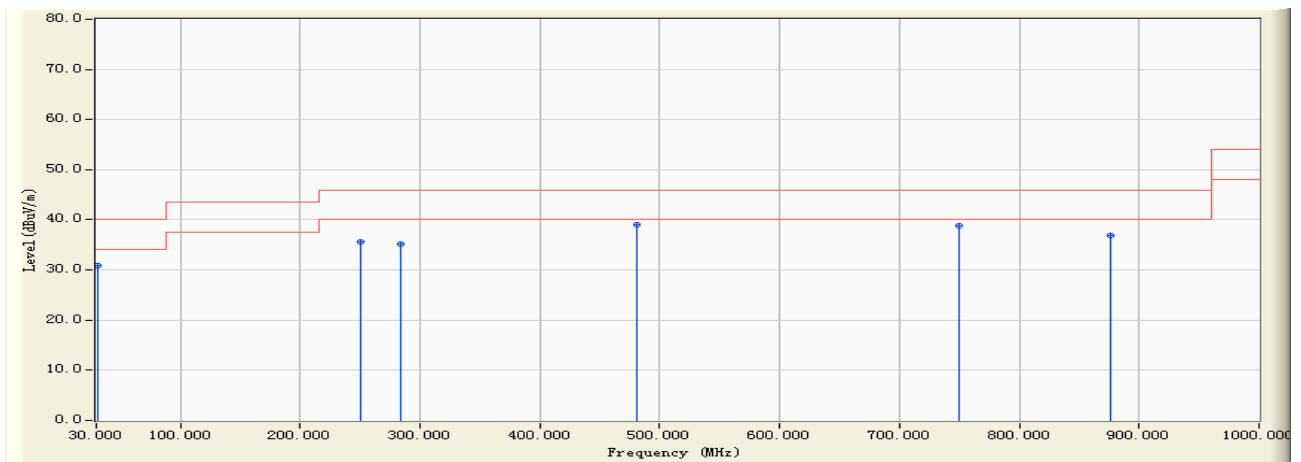
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		61.250	-17.060	48.520	31.460	-8.540	40.000	QUASPEAK
2		250.140	-7.256	45.330	38.074	-7.926	46.000	QUASPEAK
3		284.560	-10.707	45.120	34.413	-11.587	46.000	QUASPEAK
4		625.360	-4.188	40.870	36.681	-9.319	46.000	QUASPEAK
5		750.120	-0.231	38.560	38.329	-7.671	46.000	QUASPEAK
6	*	875.320	3.527	35.660	39.187	-6.813	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 17:22
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2437MHz)



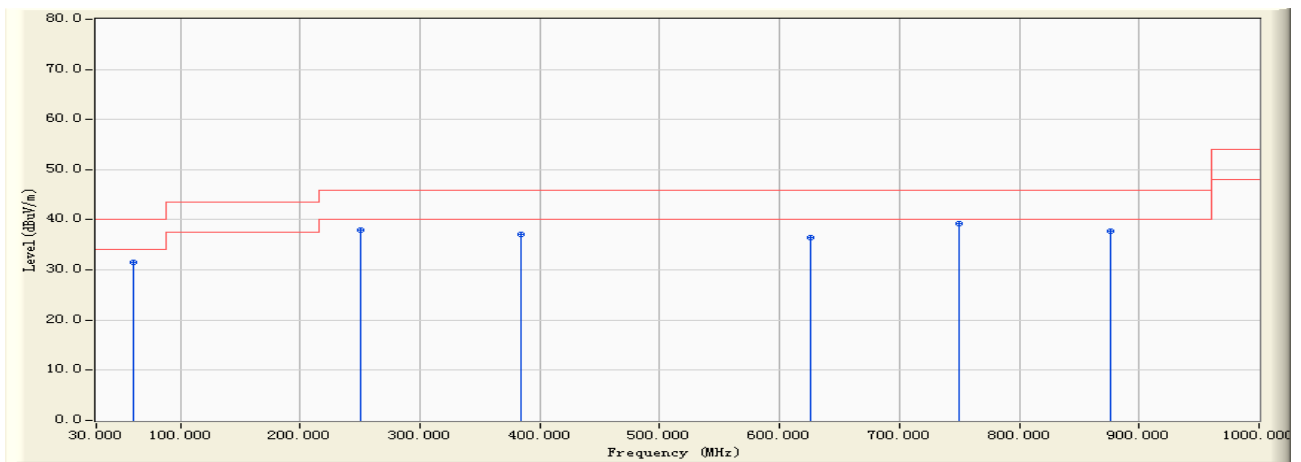
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		31.260	-8.109	38.960	30.851	-9.149	40.000	QUASPEAK
2		250.160	-12.824	48.330	35.506	-10.494	46.000	QUASPEAK
3		284.570	-13.407	48.610	35.202	-10.798	46.000	QUASPEAK
4	*	480.350	-5.117	44.170	39.053	-6.947	46.000	QUASPEAK
5		750.150	-1.496	40.230	38.734	-7.266	46.000	QUASPEAK
6		875.660	0.371	36.520	36.890	-9.110	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 17:23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2437MHz)



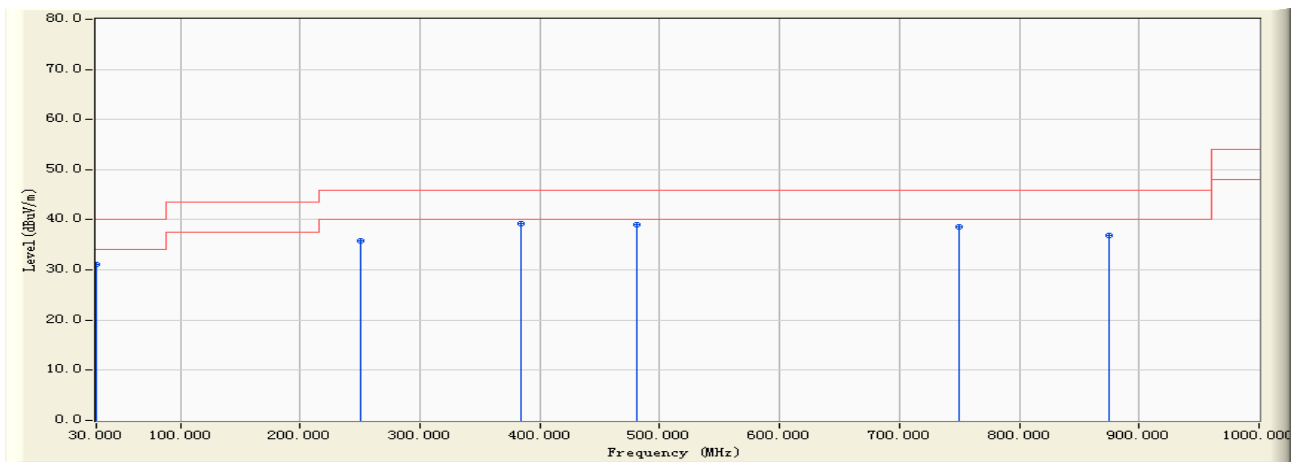
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		61.230	-17.058	48.590	31.532	-8.468	40.000	QUASPEAK
2		250.160	-7.259	45.260	38.001	-7.999	46.000	QUASPEAK
3		384.570	-7.869	45.030	37.161	-8.839	46.000	QUASPEAK
4		626.330	-4.189	40.560	36.371	-9.629	46.000	QUASPEAK
5	*	750.160	-0.227	39.580	39.353	-6.647	46.000	QUASPEAK
6		875.660	3.498	34.180	37.678	-8.322	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 17:24
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2462MHz)



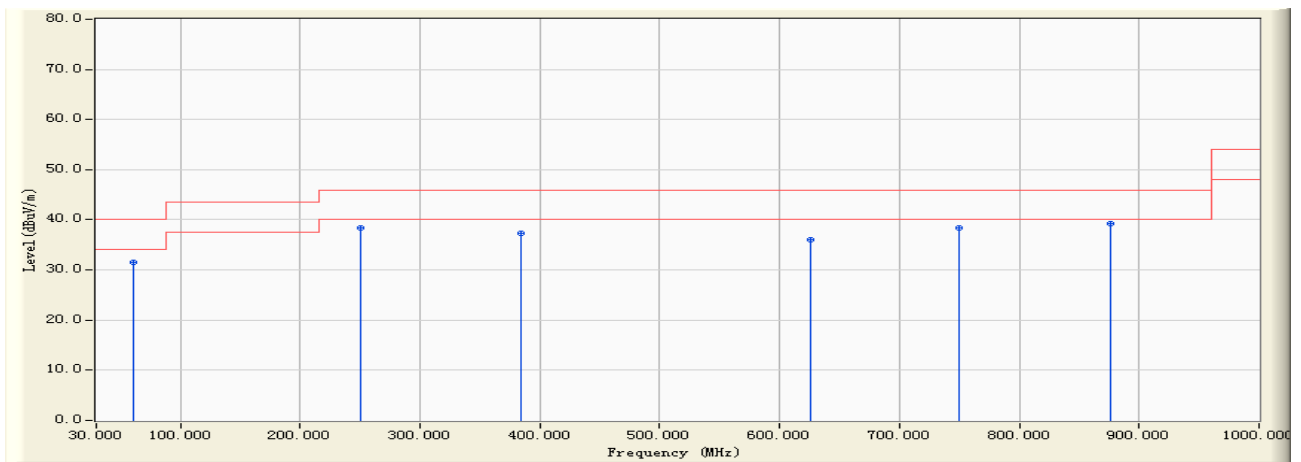
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		30.560	-8.482	39.520	31.038	-8.962	40.000	QUASPEAK
2		250.130	-12.820	48.570	35.750	-10.250	46.000	QUASPEAK
3	*	384.520	-9.742	48.990	39.249	-6.751	46.000	QUASPEAK
4		480.360	-5.118	44.240	39.122	-6.878	46.000	QUASPEAK
5		750.130	-1.495	40.150	38.655	-7.345	46.000	QUASPEAK
6		875.260	0.366	36.510	36.876	-9.124	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 17:25
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2462MHz)



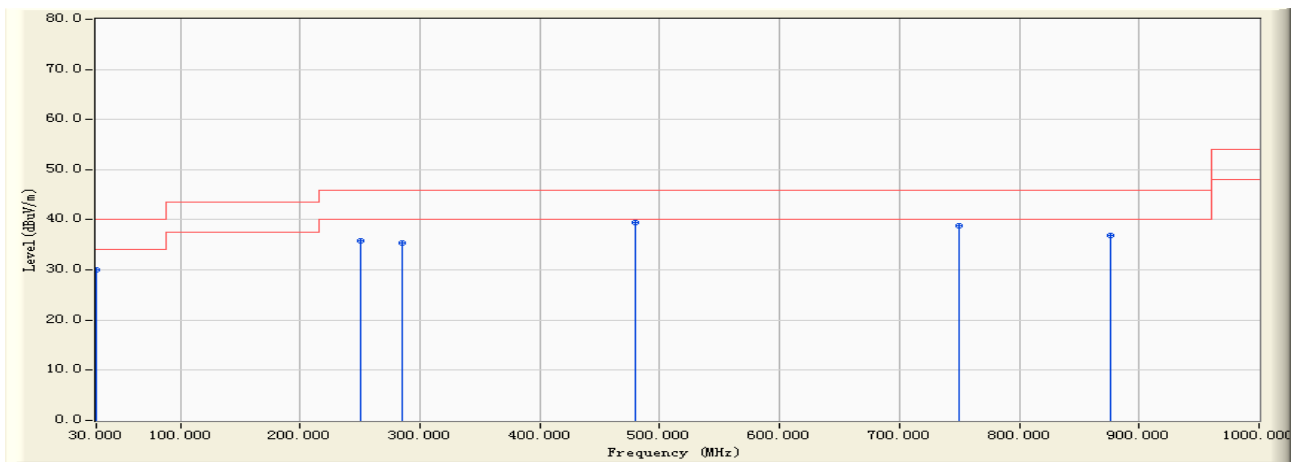
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		61.250	-17.060	48.520	31.460	-8.540	40.000	QUASPEAK
2		250.140	-7.256	45.630	38.374	-7.626	46.000	QUASPEAK
3		384.570	-7.869	45.260	37.391	-8.609	46.000	QUASPEAK
4		625.450	-4.190	40.150	35.960	-10.040	46.000	QUASPEAK
5		750.160	-0.227	38.690	38.463	-7.537	46.000	QUASPEAK
6	*	875.620	3.501	35.680	39.181	-6.819	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 17:27
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2412MHz)



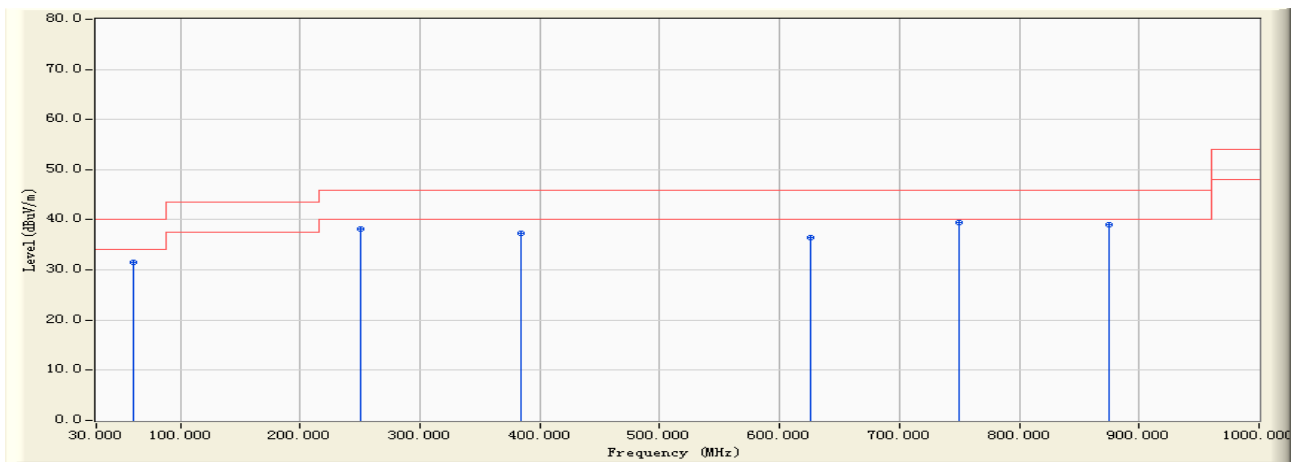
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		30.560	-8.482	38.540	30.058	-9.942	40.000	QUASPEAK
2		250.160	-12.824	48.570	35.746	-10.254	46.000	QUASPEAK
3		284.630	-13.408	48.690	35.282	-10.718	46.000	QUASPEAK
4	*	480.150	-5.107	44.630	39.523	-6.477	46.000	QUASPEAK
5		750.150	-1.496	40.360	38.864	-7.136	46.000	QUASPEAK
6		875.620	0.370	36.520	36.890	-9.110	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 17:27
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2412MHz)



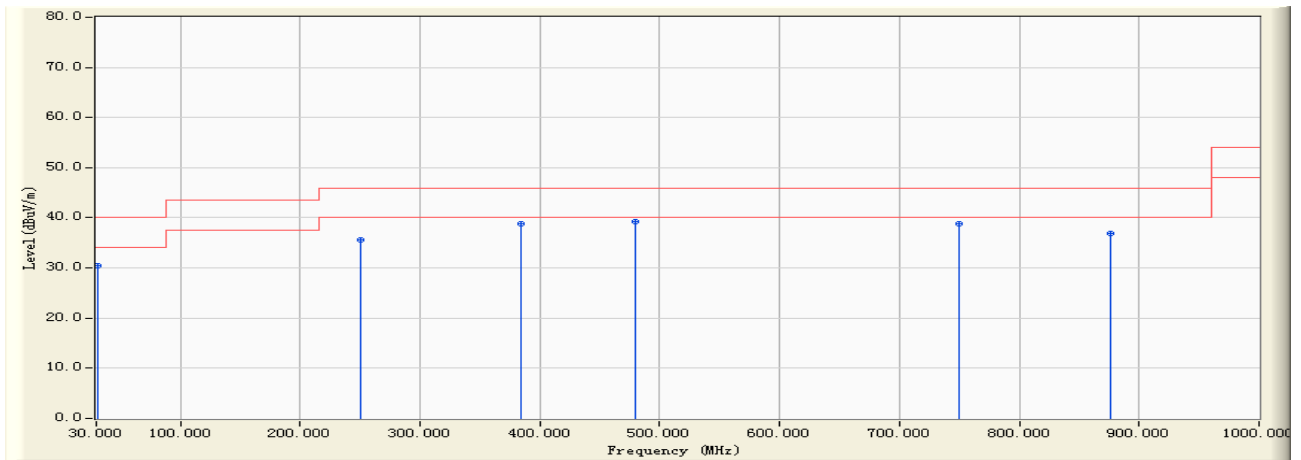
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		61.230	-17.058	48.510	31.452	-8.548	40.000	QUASPEAK
2		250.160	-7.259	45.330	38.071	-7.929	46.000	QUASPEAK
3		384.570	-7.869	45.120	37.251	-8.749	46.000	QUASPEAK
4		625.310	-4.189	40.570	36.381	-9.619	46.000	QUASPEAK
5	*	750.150	-0.228	39.610	39.382	-6.618	46.000	QUASPEAK
6		875.330	3.526	35.420	38.946	-7.054	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 17:28
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2437MHz)



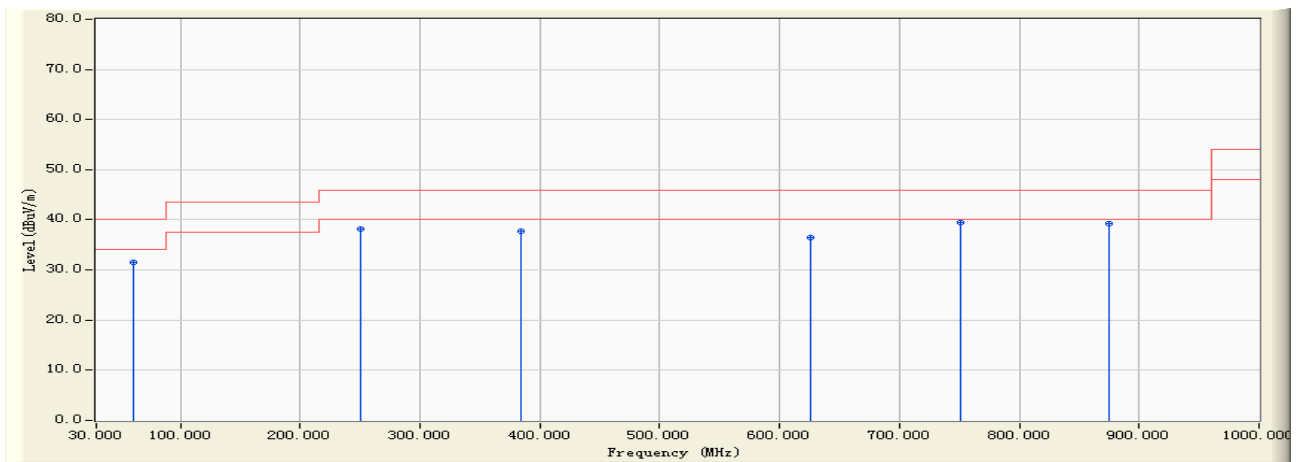
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		31.260	-8.109	38.620	30.511	-9.489	40.000	QUASPEAK
2		250.140	-12.821	48.330	35.509	-10.491	46.000	QUASPEAK
3		384.570	-9.742	48.620	38.878	-7.122	46.000	QUASPEAK
4	*	480.250	-5.112	44.330	39.218	-6.782	46.000	QUASPEAK
5		750.140	-1.495	40.360	38.865	-7.135	46.000	QUASPEAK
6		875.620	0.370	36.580	36.950	-9.050	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 17:29
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2437MHz)



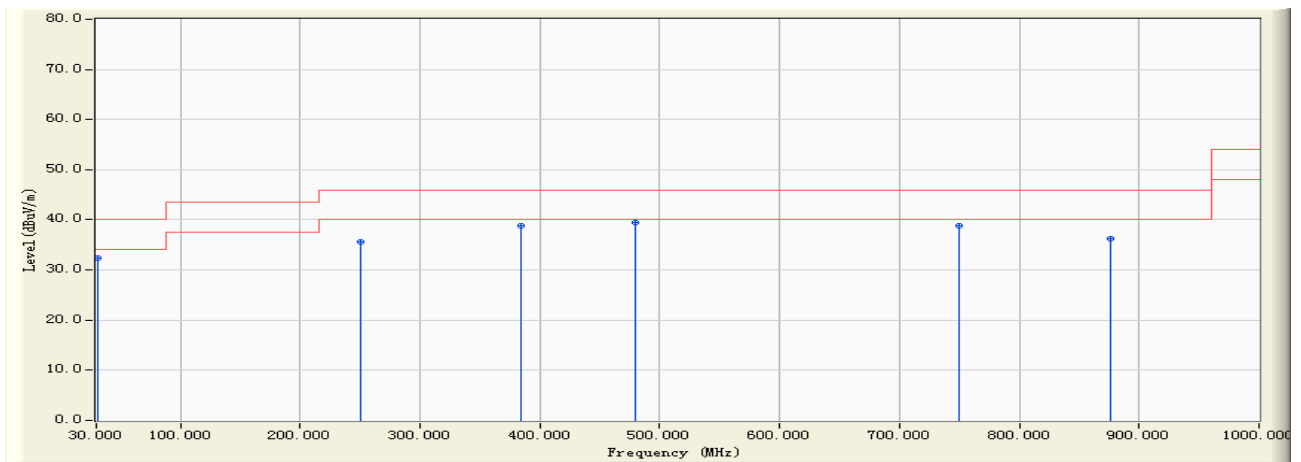
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		61.260	-17.061	48.570	31.509	-8.491	40.000	QUASPEAK
2		250.140	-7.256	45.360	38.104	-7.896	46.000	QUASPEAK
3		384.590	-7.866	45.620	37.754	-8.246	46.000	QUASPEAK
4		626.310	-4.190	40.560	36.371	-9.629	46.000	QUASPEAK
5	*	750.530	-0.189	39.580	39.391	-6.609	46.000	QUASPEAK
6		875.420	3.518	35.690	39.208	-6.792	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 17:30
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2462MHz)



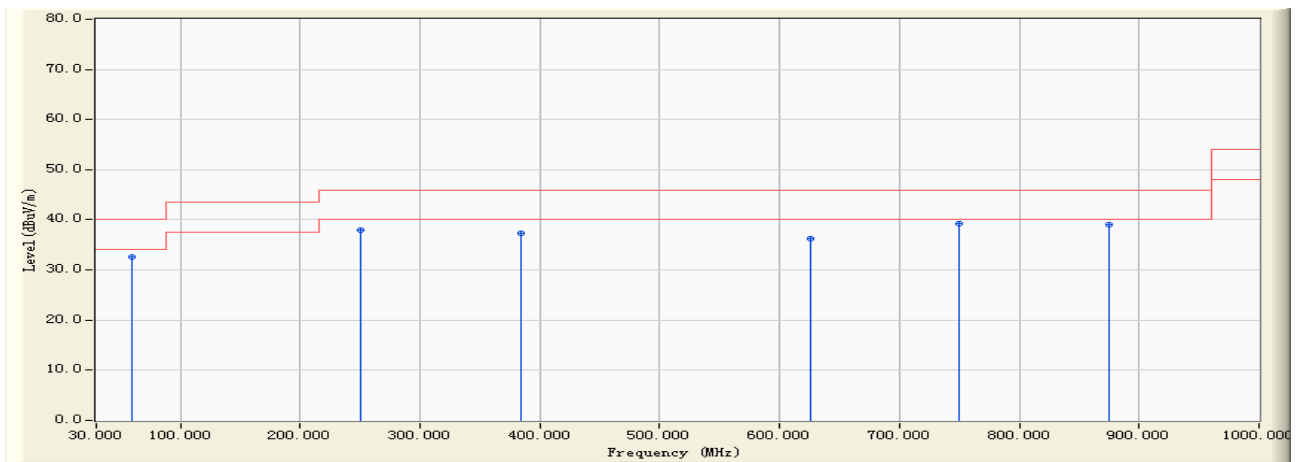
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		31.260	-8.109	40.520	32.411	-7.589	40.000	QUASPEAK
2		250.160	-12.824	48.350	35.526	-10.474	46.000	QUASPEAK
3		384.560	-9.742	48.620	38.879	-7.121	46.000	QUASPEAK
4	*	480.150	-5.107	44.650	39.543	-6.457	46.000	QUASPEAK
5		750.160	-1.496	40.260	38.764	-7.236	46.000	QUASPEAK
6		875.630	0.370	35.980	36.350	-9.650	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 17:31
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2462MHz)



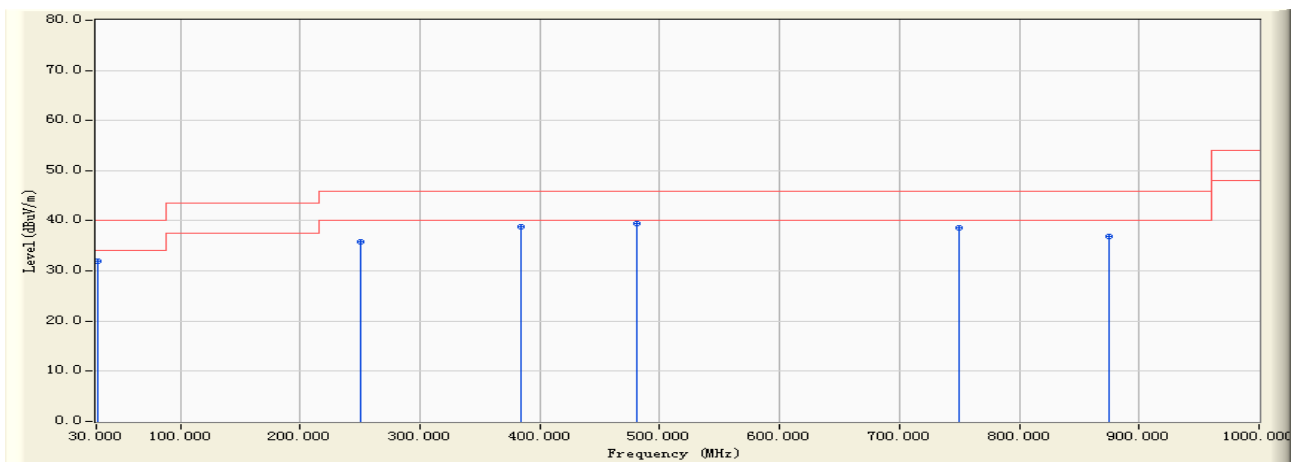
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		60.280	-15.940	48.560	32.620	-7.380	40.000	QUASPEAK
2		250.190	-7.263	45.170	37.907	-8.093	46.000	QUASPEAK
3		384.620	-7.862	45.120	37.259	-8.741	46.000	QUASPEAK
4		625.360	-4.188	40.510	36.321	-9.679	46.000	QUASPEAK
5	*	750.150	-0.228	39.520	39.292	-6.708	46.000	QUASPEAK
6		875.160	3.540	35.410	38.950	-7.050	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:02
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2412MHz)



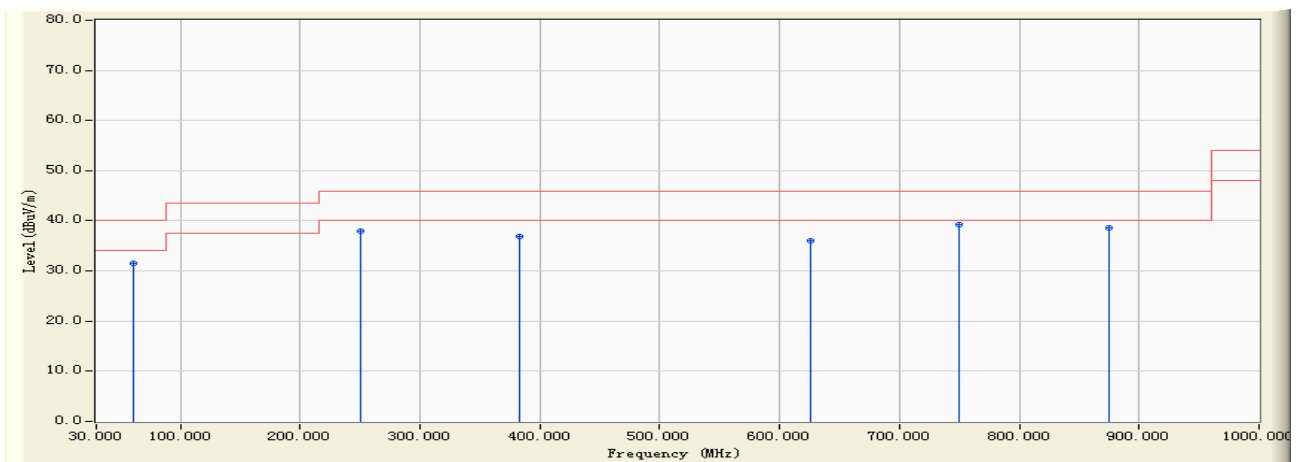
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		31.260	-8.109	40.150	32.041	-7.959	40.000	QUASPEAK
2		250.160	-12.824	48.560	35.736	-10.264	46.000	QUASPEAK
3		384.360	-9.740	48.650	38.909	-7.091	46.000	QUASPEAK
4	*	480.560	-5.129	44.520	39.391	-6.609	46.000	QUASPEAK
5		750.160	-1.496	40.180	38.684	-7.316	46.000	QUASPEAK
6		875.230	0.365	36.510	36.875	-9.125	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:03
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2412MHz)



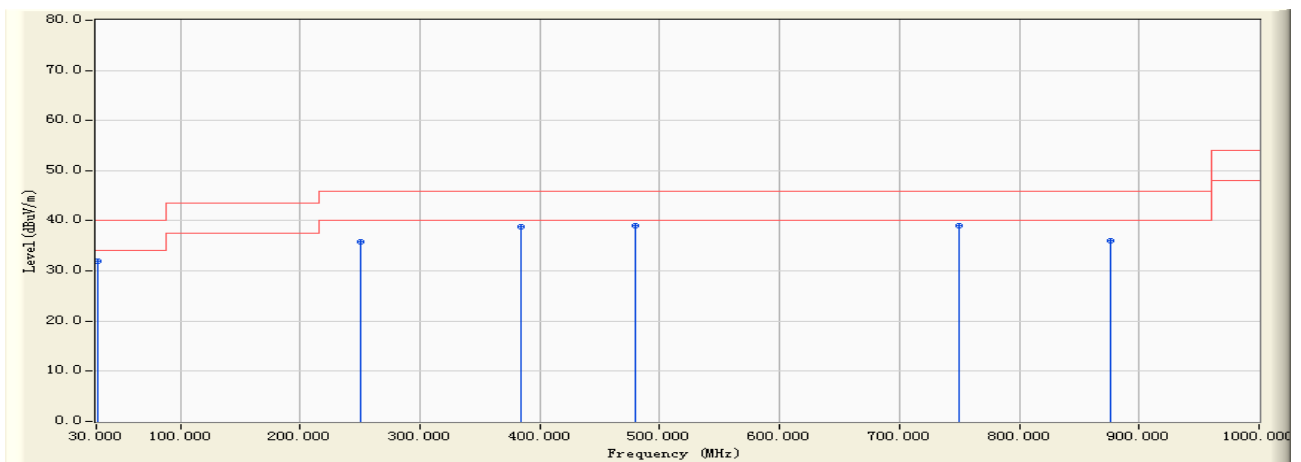
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		61.250	-17.060	48.620	31.560	-8.440	40.000	QUASPEAK
2		250.140	-7.256	45.240	37.984	-8.016	46.000	QUASPEAK
3		383.540	-8.031	45.010	36.979	-9.021	46.000	QUASPEAK
4		625.340	-4.189	40.180	35.991	-10.009	46.000	QUASPEAK
5	*	750.260	-0.216	39.510	39.294	-6.706	46.000	QUASPEAK
6		875.240	3.534	35.150	38.684	-7.316	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:05
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2437MHz)



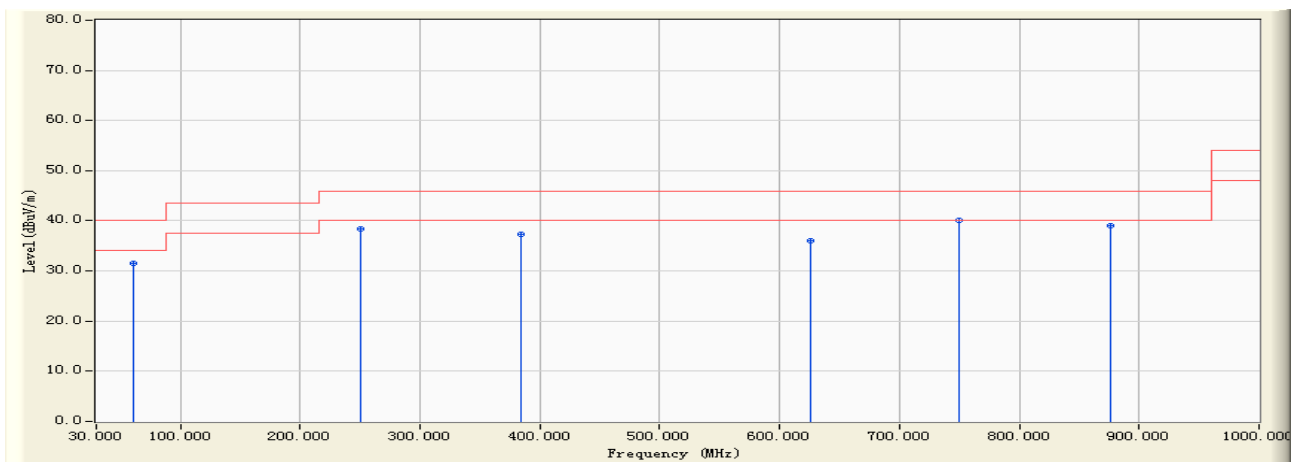
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		31.260	-8.109	40.150	32.041	-7.959	40.000	QUASPEAK
2		250.160	-12.824	48.560	35.736	-10.264	46.000	QUASPEAK
3		384.260	-9.740	48.520	38.780	-7.220	46.000	QUASPEAK
4		480.260	-5.113	44.170	39.057	-6.943	46.000	QUASPEAK
5	*	750.180	-1.498	40.560	39.062	-6.938	46.000	QUASPEAK
6		875.690	0.371	35.590	35.961	-10.039	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:06
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2437MHz)



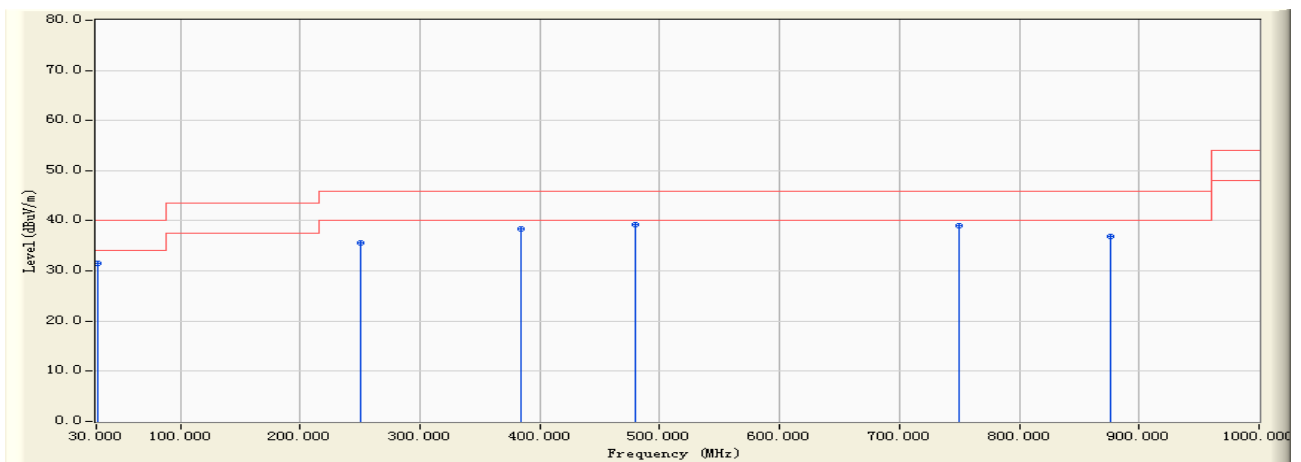
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		61.280	-17.064	48.510	31.447	-8.553	40.000	QUASPEAK
2		250.180	-7.261	45.670	38.408	-7.592	46.000	QUASPEAK
3		384.590	-7.866	45.170	37.304	-8.696	46.000	QUASPEAK
4		625.340	-4.189	40.290	36.101	-9.899	46.000	QUASPEAK
5	*	750.180	-0.225	40.290	40.065	-5.935	46.000	QUASPEAK
6		875.630	3.500	35.480	38.980	-7.020	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:07
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2462MHz)



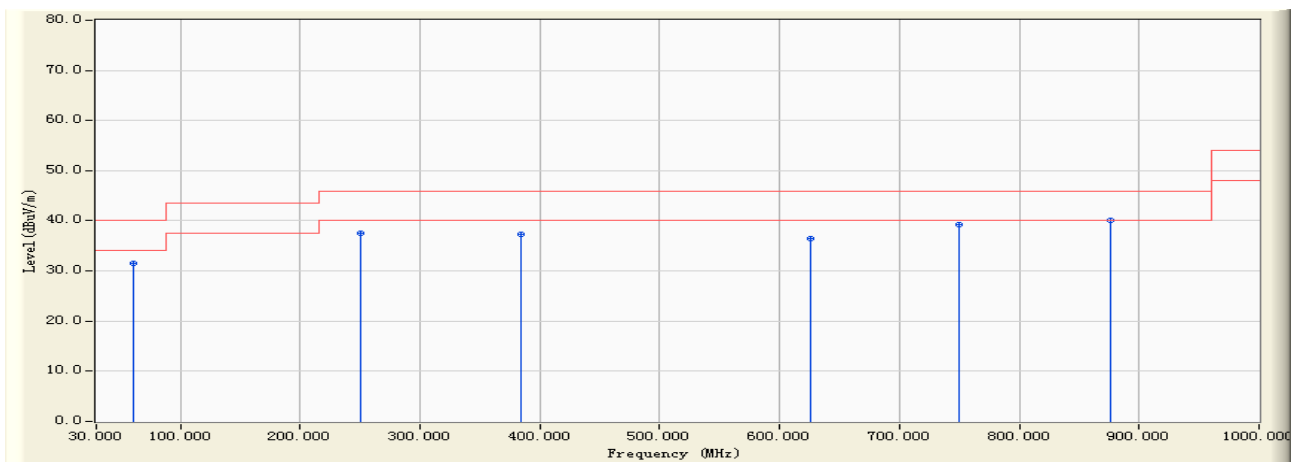
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		31.260	-8.109	39.650	31.541	-8.459	40.000	QUASPEAK
2		250.180	-12.826	48.520	35.694	-10.306	46.000	QUASPEAK
3		384.620	-9.742	48.150	38.408	-7.592	46.000	QUASPEAK
4	*	480.150	-5.107	44.250	39.143	-6.857	46.000	QUASPEAK
5		750.160	-1.496	40.580	39.084	-6.916	46.000	QUASPEAK
6		875.630	0.370	36.540	36.910	-9.090	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:08
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2462MHz)



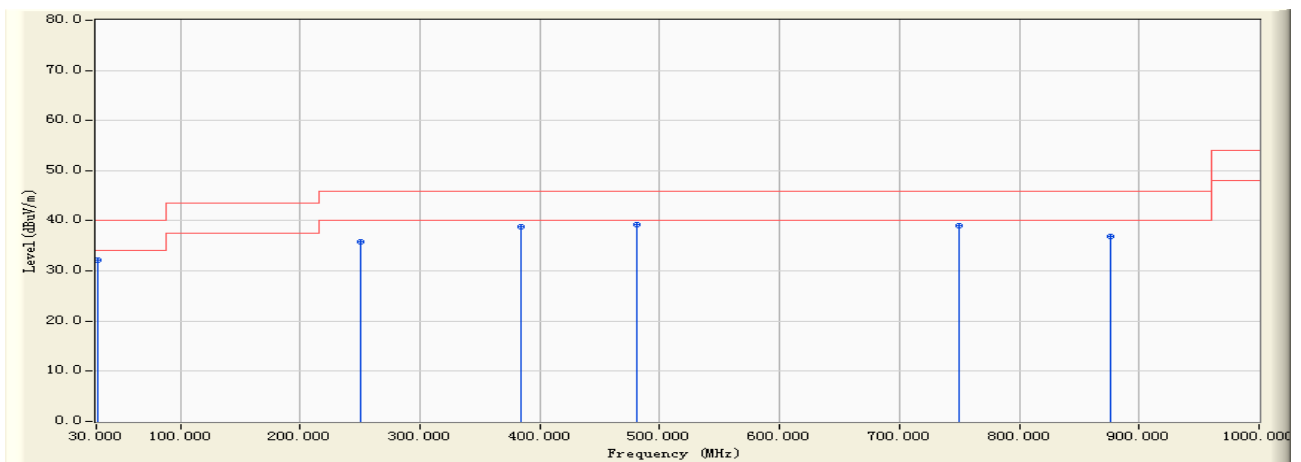
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		61.260	-17.061	48.520	31.459	-8.541	40.000	QUASPEAK
2		250.140	-7.256	44.690	37.434	-8.566	46.000	QUASPEAK
3		384.520	-7.876	45.150	37.274	-8.726	46.000	QUASPEAK
4		625.630	-4.192	40.590	36.399	-9.601	46.000	QUASPEAK
5		750.150	-0.228	39.560	39.332	-6.668	46.000	QUASPEAK
6	*	875.620	3.501	36.510	40.011	-5.989	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:10
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2422MHz)



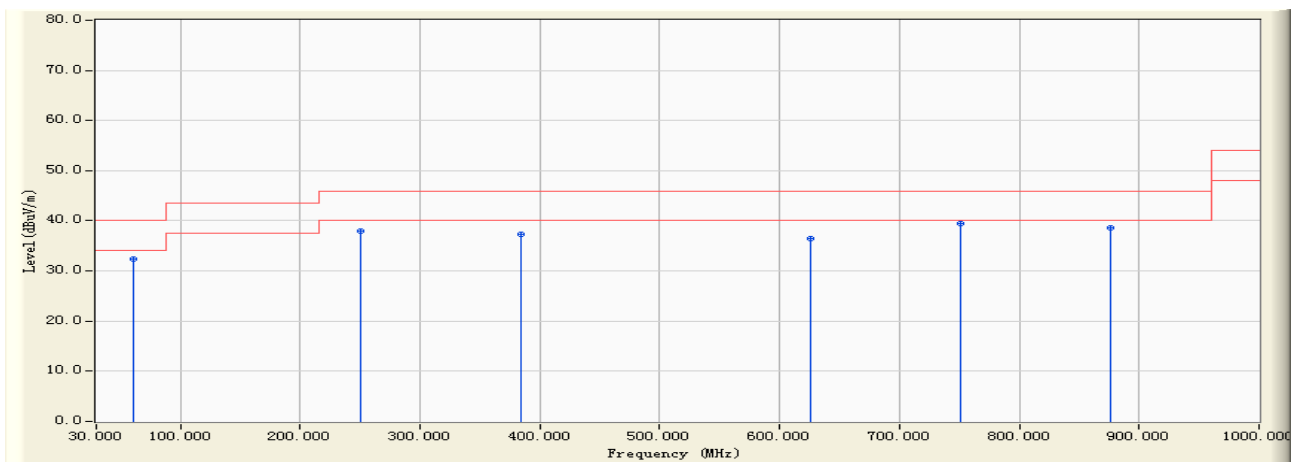
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		31.260	-8.109	40.190	32.081	-7.919	40.000	QUASPEAK
2		250.160	-12.824	48.560	35.736	-10.264	46.000	QUASPEAK
3		384.590	-9.741	48.520	38.778	-7.222	46.000	QUASPEAK
4	*	480.570	-5.129	44.360	39.231	-6.769	46.000	QUASPEAK
5		750.180	-1.498	40.590	39.092	-6.908	46.000	QUASPEAK
6		875.620	0.370	36.540	36.910	-9.090	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:10
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2422MHz)



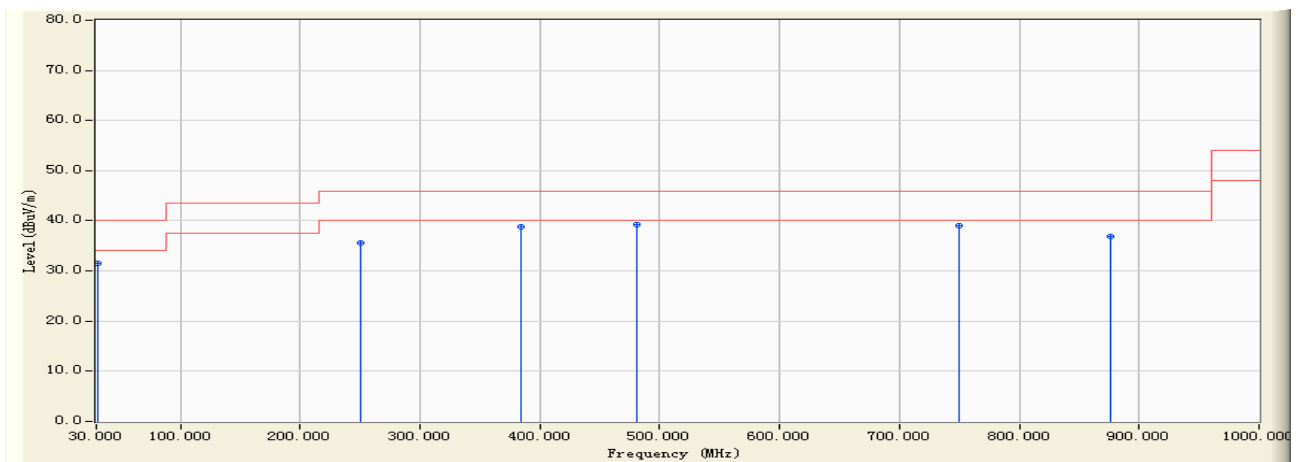
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		60.560	-16.345	48.630	32.285	-7.715	40.000	QUASPEAK
2		250.180	-7.261	45.290	38.028	-7.972	46.000	QUASPEAK
3		384.570	-7.869	45.210	37.341	-8.659	46.000	QUASPEAK
4		625.360	-4.188	40.590	36.401	-9.599	46.000	QUASPEAK
5	*	751.260	-0.120	39.560	39.439	-6.561	46.000	QUASPEAK
6		875.620	3.501	35.210	38.711	-7.289	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:11
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2437MHz)



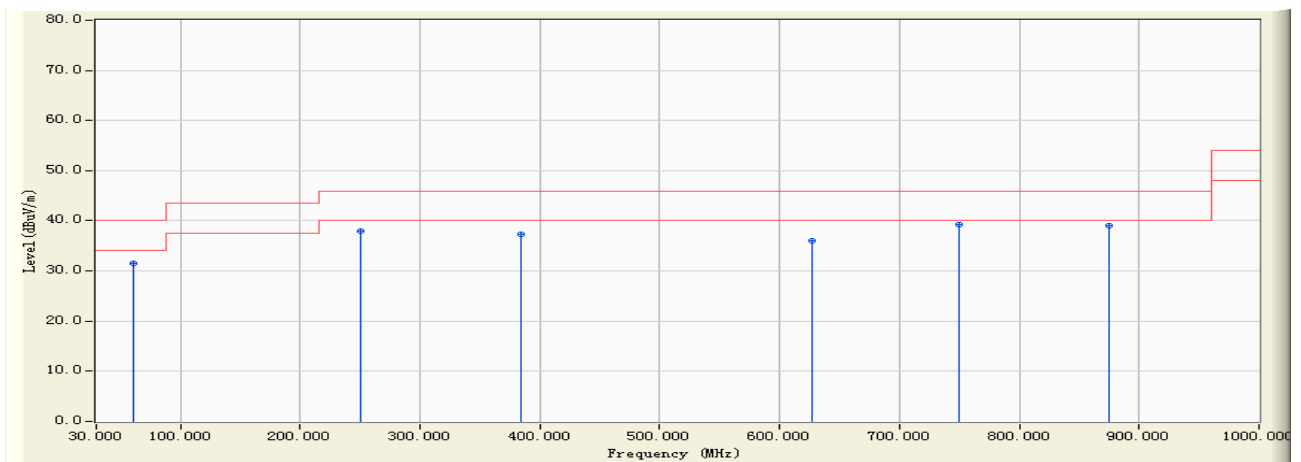
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		31.260	-8.109	39.580	31.471	-8.529	40.000	QUASPEAK
2		250.630	-12.886	48.570	35.683	-10.317	46.000	QUASPEAK
3		384.560	-9.742	48.520	38.779	-7.221	46.000	QUASPEAK
4	*	481.260	-5.170	44.510	39.339	-6.661	46.000	QUASPEAK
5		750.160	-1.496	40.620	39.124	-6.876	46.000	QUASPEAK
6		875.620	0.370	36.540	36.910	-9.090	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:12
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2437MHz)



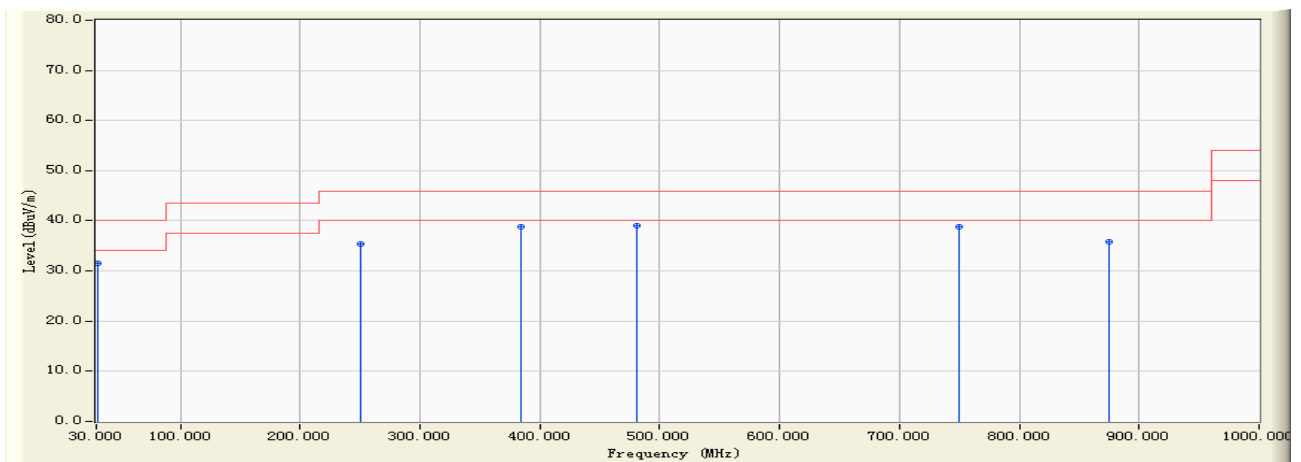
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		61.260	-17.061	48.550	31.489	-8.511	40.000	QUASPEAK
2		250.160	-7.259	45.210	37.951	-8.049	46.000	QUASPEAK
3		384.260	-7.914	45.210	37.295	-8.705	46.000	QUASPEAK
4		626.570	-4.189	40.290	36.102	-9.898	46.000	QUASPEAK
5	*	750.140	-0.229	39.540	39.311	-6.689	46.000	QUASPEAK
6		875.260	3.532	35.420	38.952	-7.048	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:16
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2452MHz)



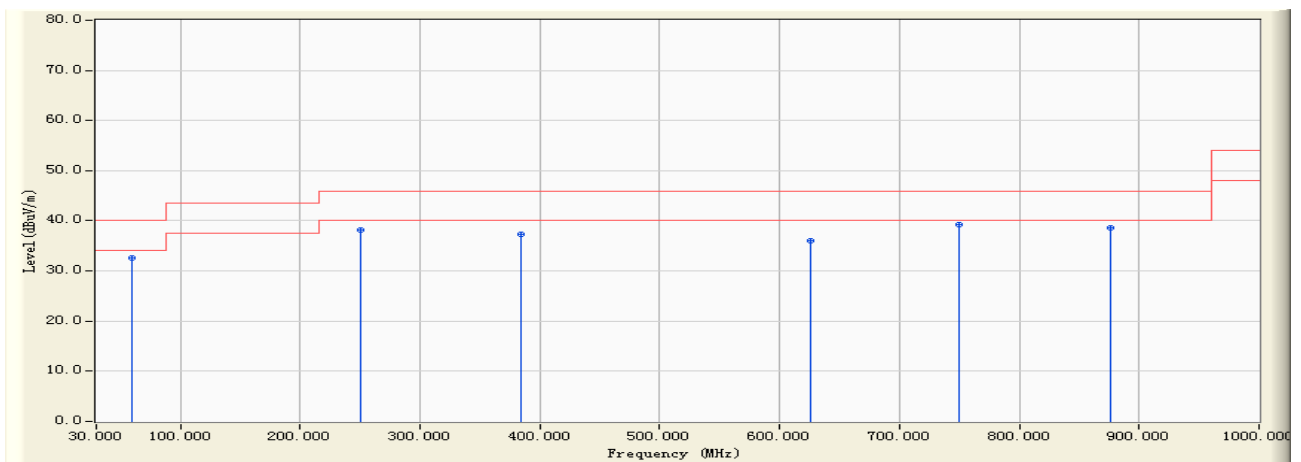
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		31.280	-8.094	39.560	31.466	-8.534	40.000	QUASPEAK
2		250.140	-12.821	48.250	35.429	-10.571	46.000	QUASPEAK
3		384.510	-9.741	48.510	38.769	-7.231	46.000	QUASPEAK
4	*	480.620	-5.133	44.240	39.108	-6.892	46.000	QUASPEAK
5		750.140	-1.495	40.350	38.855	-7.145	46.000	QUASPEAK
6		875.350	0.366	35.420	35.787	-10.213	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:17
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2452MHz)



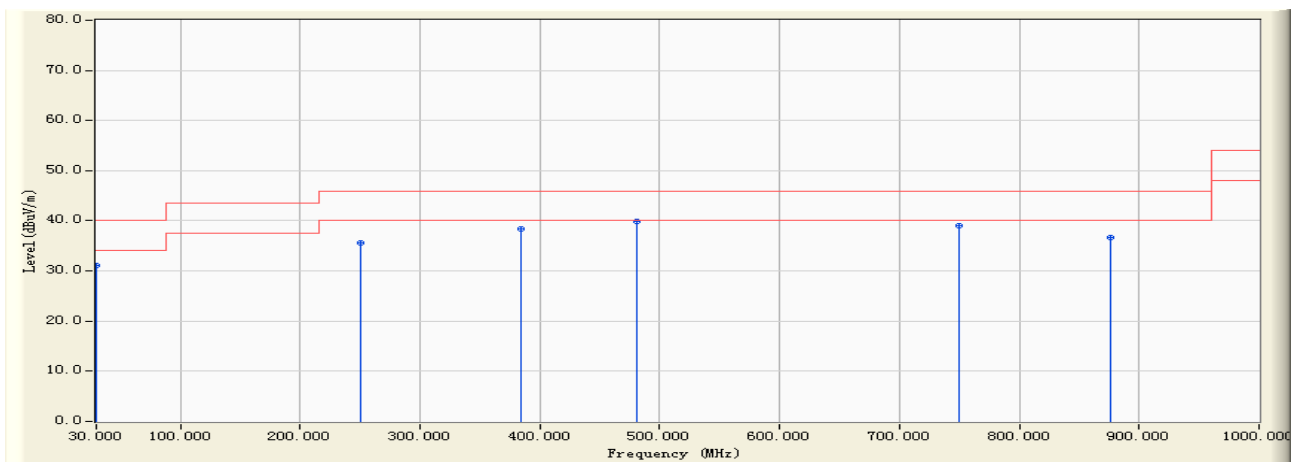
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		60.250	-15.897	48.560	32.663	-7.337	40.000	QUASPEAK
2		250.140	-7.256	45.350	38.094	-7.906	46.000	QUASPEAK
3		384.520	-7.876	45.120	37.244	-8.756	46.000	QUASPEAK
4		625.360	-4.188	40.150	35.961	-10.039	46.000	QUASPEAK
5	*	750.180	-0.225	39.560	39.335	-6.665	46.000	QUASPEAK
6		875.630	3.500	35.120	38.620	-7.380	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:19
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2412MHz)



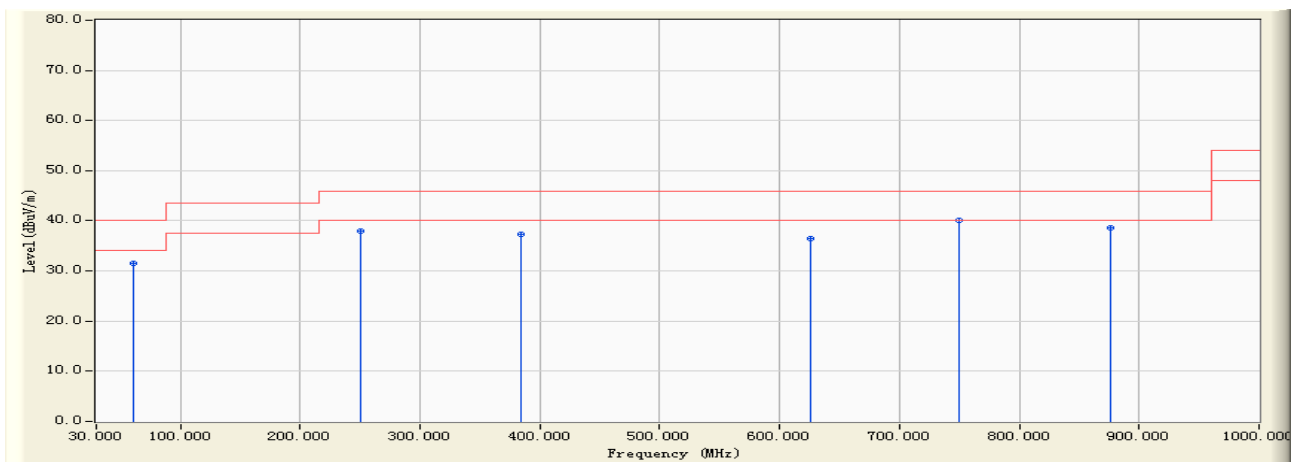
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		30.590	-8.471	39.560	31.089	-8.911	40.000	QUASPEAK
2		250.140	-12.821	48.350	35.529	-10.471	46.000	QUASPEAK
3		384.650	-9.741	48.150	38.408	-7.592	46.000	QUASPEAK
4	*	480.650	-5.133	45.020	39.886	-6.114	46.000	QUASPEAK
5		750.160	-1.496	40.580	39.084	-6.916	46.000	QUASPEAK
6		875.630	0.370	36.230	36.600	-9.400	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:20
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2412MHz)



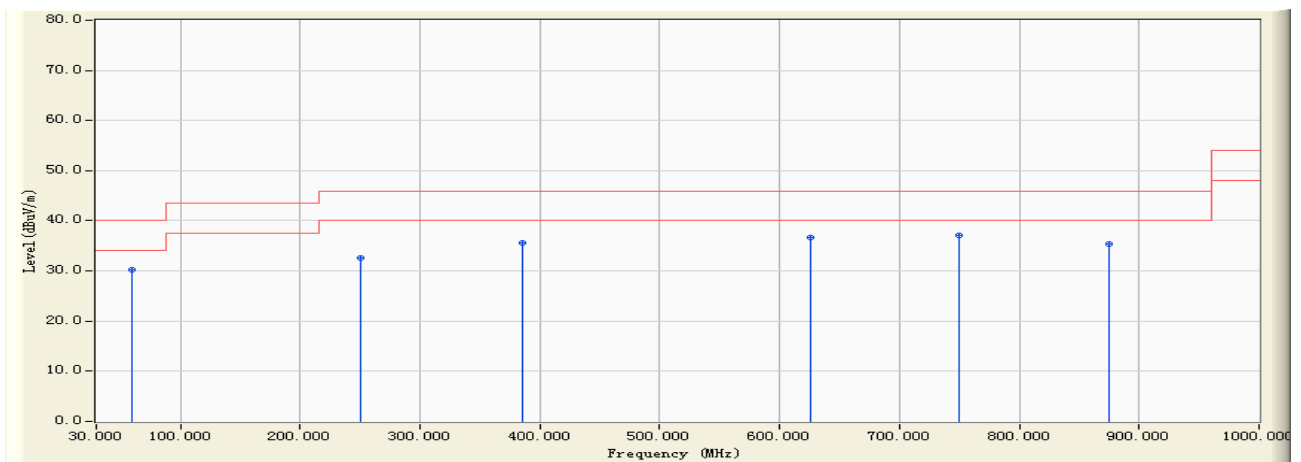
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		61.230	-17.058	48.530	31.472	-8.528	40.000	QUASPEAK
2		250.160	-7.259	45.230	37.971	-8.029	46.000	QUASPEAK
3		384.590	-7.866	45.230	37.364	-8.636	46.000	QUASPEAK
4		625.350	-4.189	40.590	36.401	-9.599	46.000	QUASPEAK
5	*	750.160	-0.227	40.330	40.103	-5.897	46.000	QUASPEAK
6		875.620	3.501	35.120	38.621	-7.379	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2437MHz)



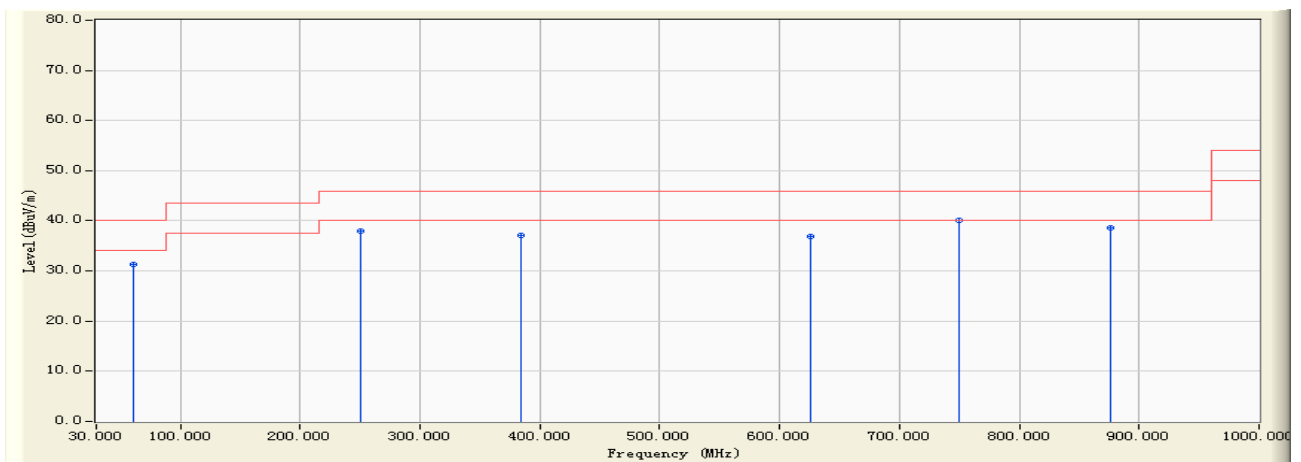
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		60.250	-18.272	48.620	30.348	-9.652	40.000	QUASPEAK
2		250.140	-12.821	45.330	32.509	-13.491	46.000	QUASPEAK
3		384.960	-9.743	45.260	35.517	-10.483	46.000	QUASPEAK
4		625.310	-3.961	40.570	36.609	-9.391	46.000	QUASPEAK
5	*	750.350	-1.507	38.560	37.053	-8.947	46.000	QUASPEAK
6		875.360	0.367	35.120	35.487	-10.513	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:23
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2437MHz)



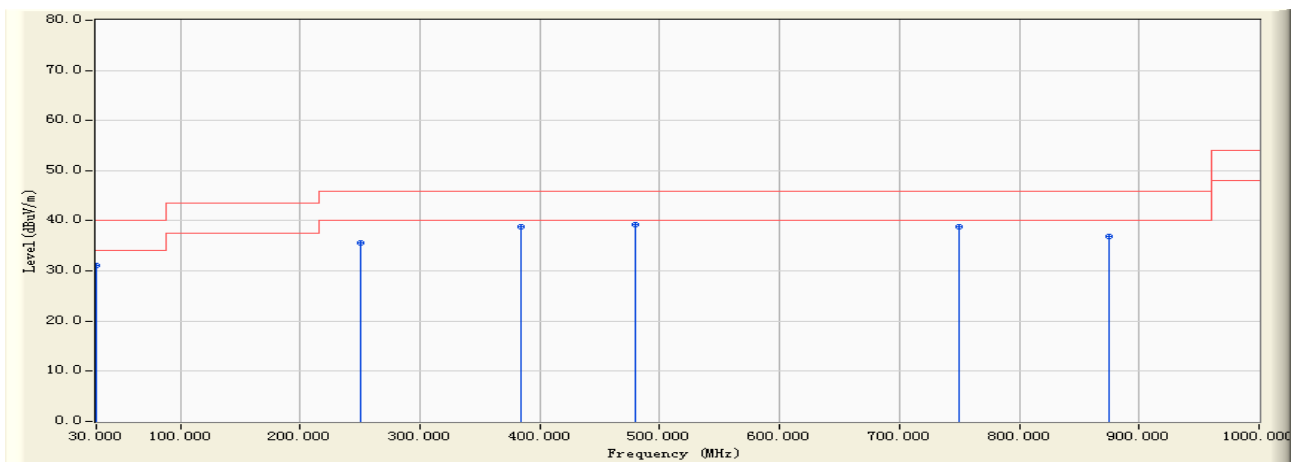
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		61.250	-17.060	48.320	31.260	-8.740	40.000	QUASPEAK
2		250.350	-7.287	45.230	37.943	-8.057	46.000	QUASPEAK
3		384.260	-7.914	45.120	37.205	-8.795	46.000	QUASPEAK
4		625.350	-4.189	41.030	36.841	-9.159	46.000	QUASPEAK
5	*	750.140	-0.229	40.260	40.031	-5.969	46.000	QUASPEAK
6		875.630	3.500	35.140	38.640	-7.360	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:24
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2462MHz)



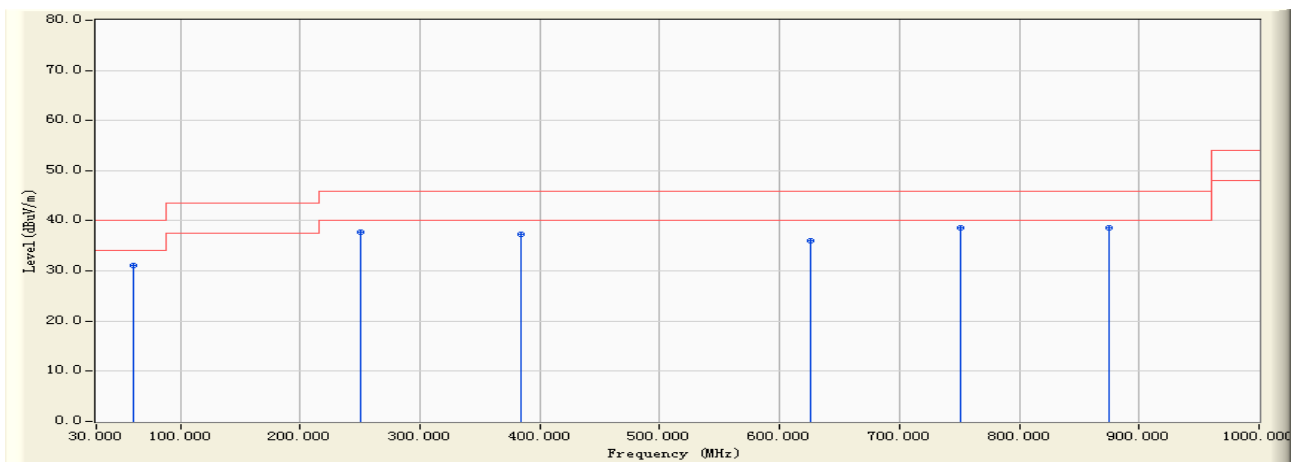
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		30.260	-8.598	39.620	31.021	-8.979	40.000	QUASPEAK
2		250.140	-12.821	48.330	35.509	-10.491	46.000	QUASPEAK
3		384.260	-9.740	48.520	38.780	-7.220	46.000	QUASPEAK
4	*	480.260	-5.113	44.320	39.207	-6.793	46.000	QUASPEAK
5		750.160	-1.496	40.370	38.874	-7.126	46.000	QUASPEAK
6		875.360	0.367	36.530	36.897	-9.103	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:24
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2462MHz)



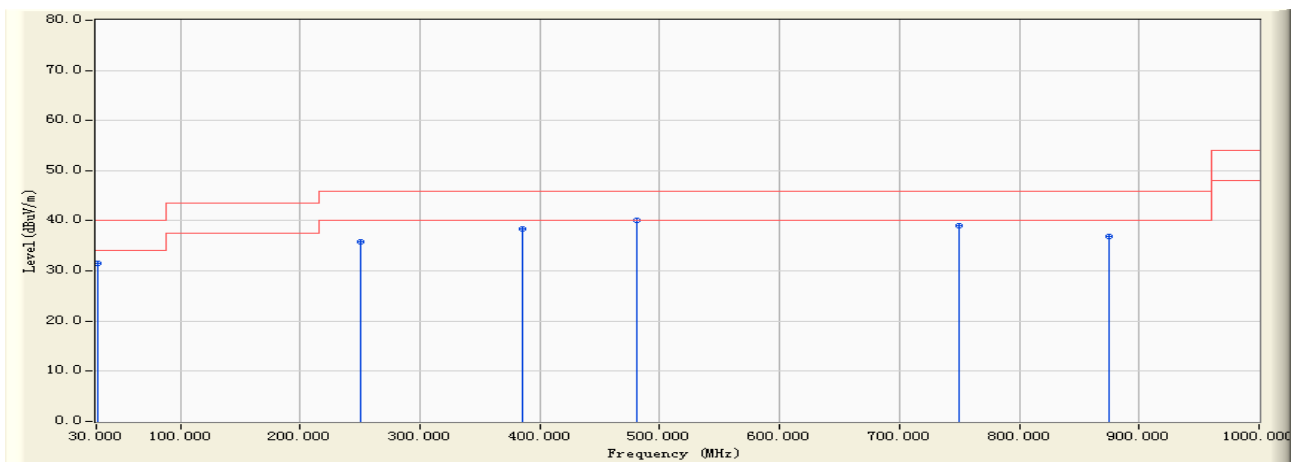
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		61.360	-17.071	48.260	31.189	-8.811	40.000	QUASPEAK
2		250.360	-7.288	45.020	37.732	-8.268	46.000	QUASPEAK
3		384.150	-7.931	45.230	37.299	-8.701	46.000	QUASPEAK
4		625.300	-4.188	40.190	36.001	-9.999	46.000	QUASPEAK
5		750.630	-0.179	38.690	38.511	-7.489	46.000	QUASPEAK
6	*	875.230	3.534	35.120	38.654	-7.346	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:26
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2422MHz)



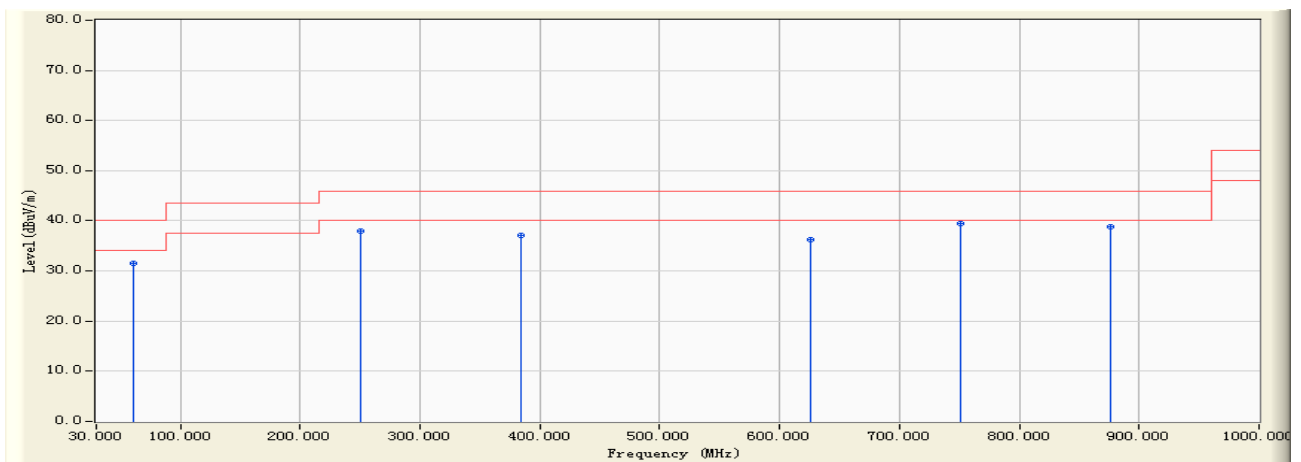
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		31.260	-8.109	39.650	31.541	-8.459	40.000	QUASPEAK
2		250.380	-12.853	48.630	35.777	-10.223	46.000	QUASPEAK
3		385.230	-9.744	48.210	38.466	-7.534	46.000	QUASPEAK
4	*	480.360	-5.118	45.260	40.142	-5.858	46.000	QUASPEAK
5		750.190	-1.498	40.630	39.132	-6.868	46.000	QUASPEAK
6		875.260	0.366	36.520	36.886	-9.114	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:26
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2422MHz)



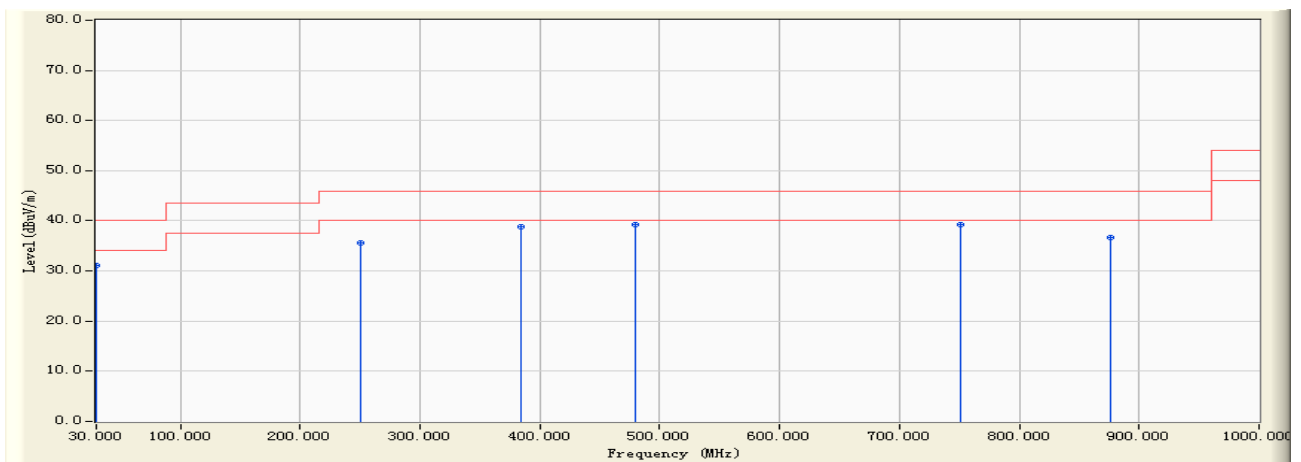
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		61.050	-17.041	48.520	31.479	-8.521	40.000	QUASPEAK
2		250.190	-7.263	45.130	37.867	-8.133	46.000	QUASPEAK
3		384.520	-7.876	45.020	37.144	-8.856	46.000	QUASPEAK
4		625.360	-4.188	40.510	36.321	-9.679	46.000	QUASPEAK
5	*	750.690	-0.173	39.560	39.387	-6.613	46.000	QUASPEAK
6		875.630	3.500	35.420	38.920	-7.080	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:27
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2437MHz)



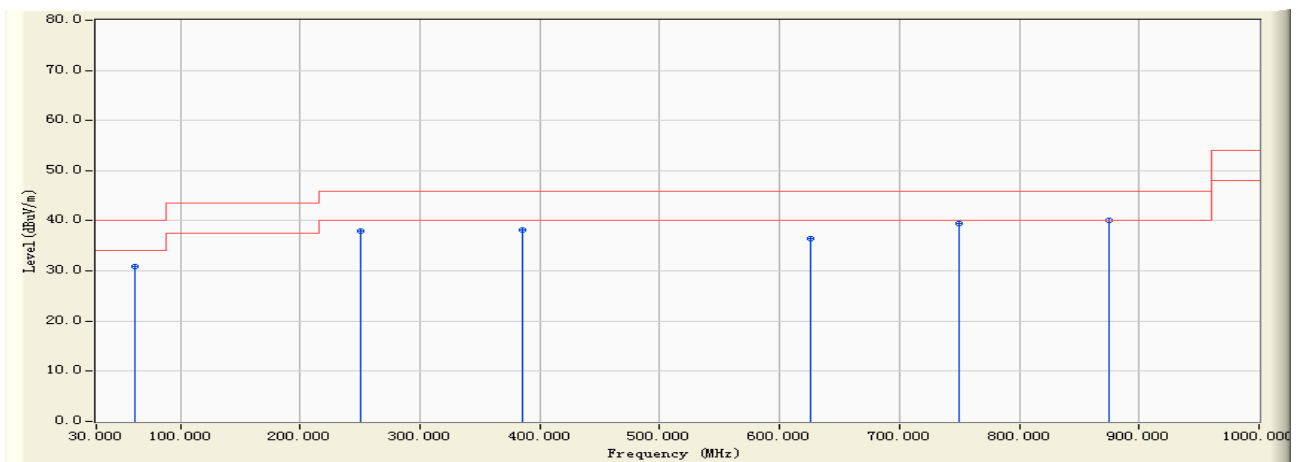
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		30.590	-8.471	39.520	31.049	-8.951	40.000	QUASPEAK
2		250.140	-12.821	48.370	35.549	-10.451	46.000	QUASPEAK
3		384.650	-9.741	48.510	38.768	-7.232	46.000	QUASPEAK
4		480.260	-5.113	44.330	39.217	-6.783	46.000	QUASPEAK
5	*	750.560	-1.518	40.780	39.262	-6.738	46.000	QUASPEAK
6		875.630	0.370	36.230	36.600	-9.400	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:28
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2437MHz)



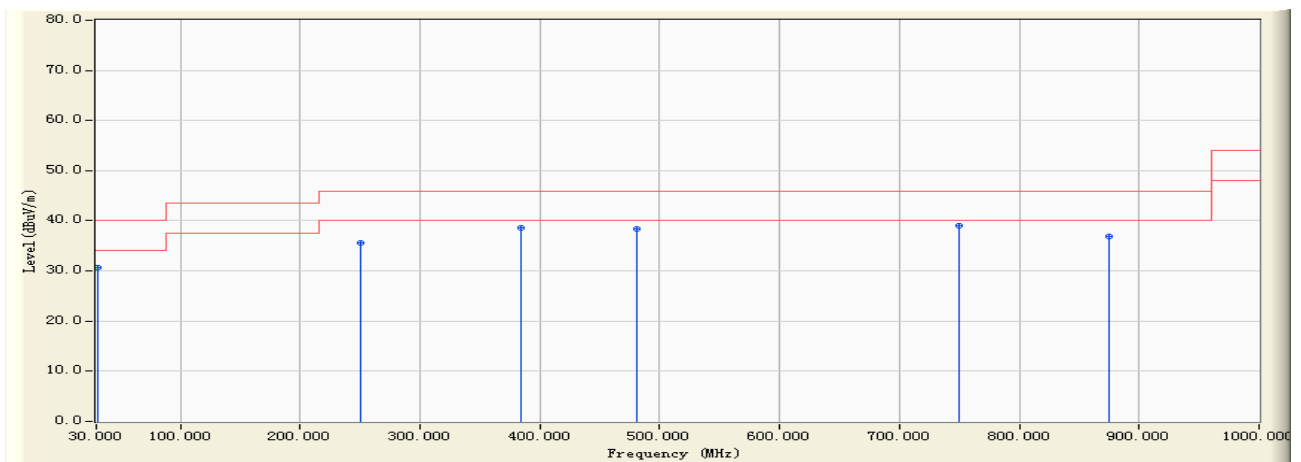
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		62.560	-17.589	48.530	30.941	-9.059	40.000	QUASPEAK
2		250.140	-7.256	45.260	38.004	-7.996	46.000	QUASPEAK
3		385.960	-7.663	45.890	38.227	-7.773	46.000	QUASPEAK
4		626.340	-4.190	40.590	36.401	-9.599	46.000	QUASPEAK
5		750.230	-0.219	39.680	39.461	-6.539	46.000	QUASPEAK
6	*	875.360	3.524	36.540	40.063	-5.937	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:31
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2452MHz)



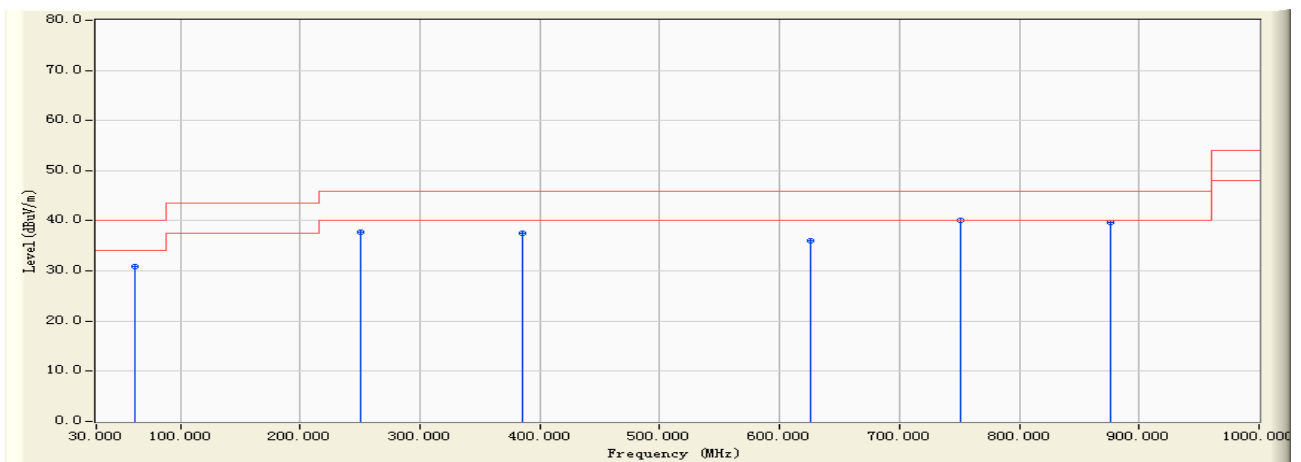
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		31.290	-8.086	38.690	30.603	-9.397	40.000	QUASPEAK
2		250.140	-12.821	48.520	35.699	-10.301	46.000	QUASPEAK
3		384.560	-9.742	48.320	38.579	-7.421	46.000	QUASPEAK
4		481.360	-5.178	43.570	38.392	-7.608	46.000	QUASPEAK
5	*	750.150	-1.496	40.560	39.064	-6.936	46.000	QUASPEAK
6		875.260	0.366	36.530	36.896	-9.104	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:32
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2452MHz)



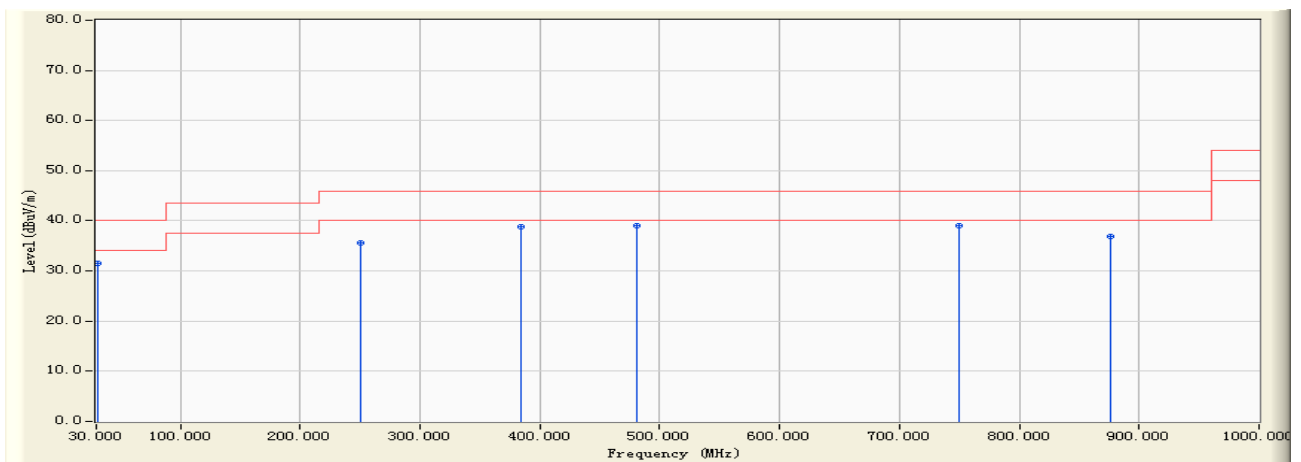
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		62.560	-17.589	48.530	30.941	-9.059	40.000	QUASPEAK
2		250.140	-7.256	45.020	37.764	-8.236	46.000	QUASPEAK
3		385.690	-7.704	45.230	37.527	-8.473	46.000	QUASPEAK
4		626.350	-4.189	40.180	35.991	-10.009	46.000	QUASPEAK
5	*	751.360	-0.111	40.150	40.038	-5.962	46.000	QUASPEAK
6		876.350	3.449	36.260	39.709	-6.291	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:33
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2412MHz)



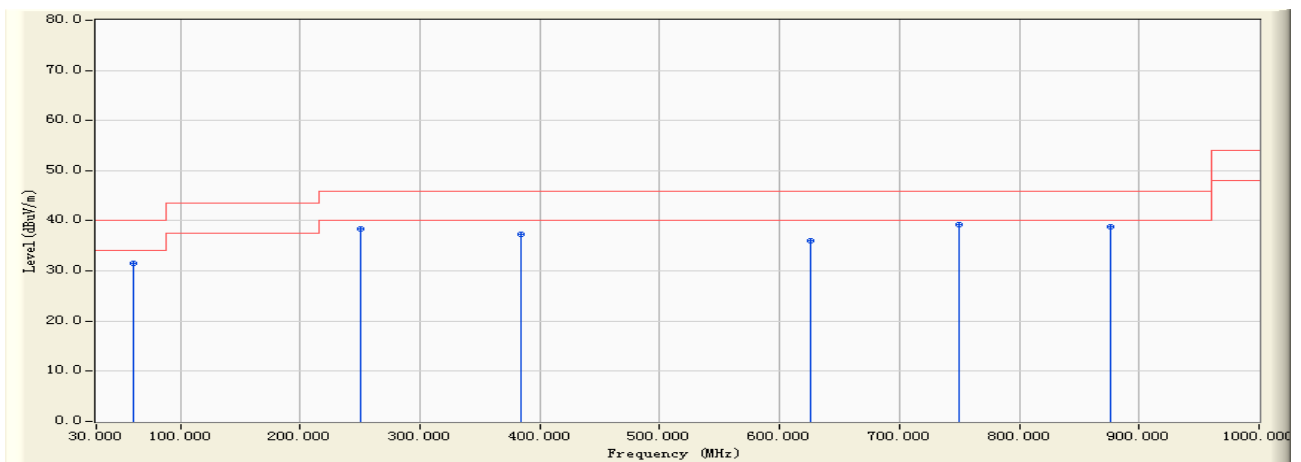
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		31.280	-8.094	39.560	31.466	-8.534	40.000	QUASPEAK
2		250.180	-12.826	48.350	35.524	-10.476	46.000	QUASPEAK
3		384.560	-9.742	48.520	38.779	-7.221	46.000	QUASPEAK
4		481.260	-5.170	44.250	39.079	-6.921	46.000	QUASPEAK
5	*	750.190	-1.498	40.590	39.092	-6.908	46.000	QUASPEAK
6		876.570	0.395	36.530	36.926	-9.074	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:34
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2412MHz)



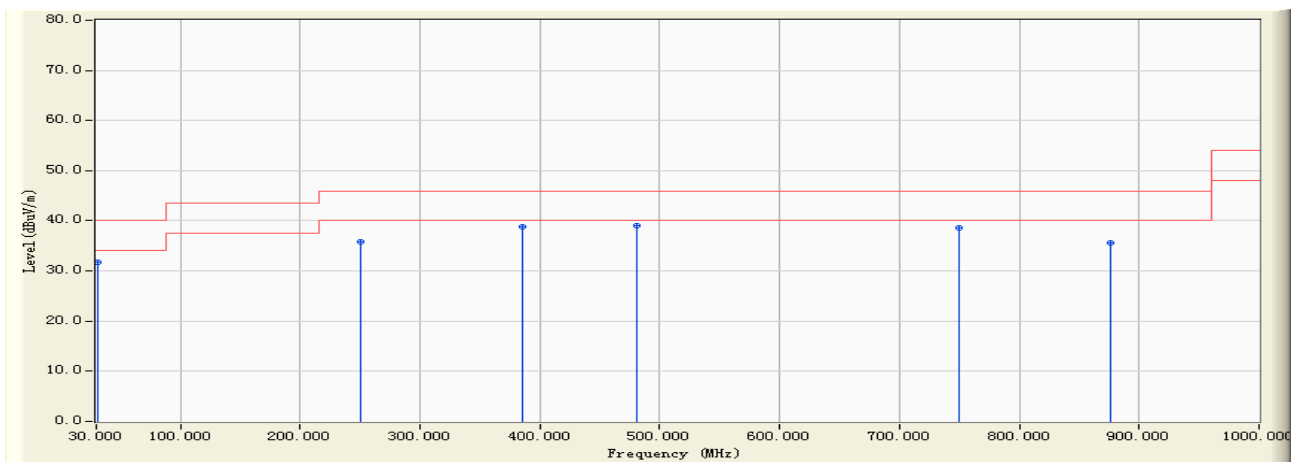
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		61.290	-17.064	48.530	31.466	-8.534	40.000	QUASPEAK
2		250.140	-7.256	45.630	38.374	-7.626	46.000	QUASPEAK
3		384.520	-7.876	45.140	37.264	-8.736	46.000	QUASPEAK
4		626.320	-4.189	40.150	35.961	-10.039	46.000	QUASPEAK
5	*	750.150	-0.228	39.580	39.352	-6.648	46.000	QUASPEAK
6		875.620	3.501	35.260	38.761	-7.239	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:34
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2437MHz)



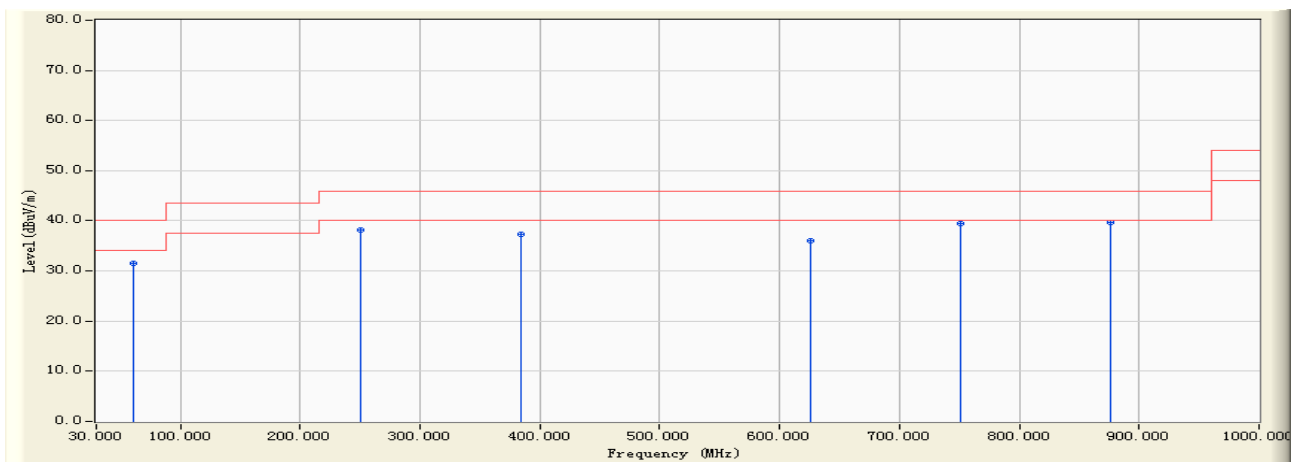
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		31.690	-7.791	39.560	31.769	-8.231	40.000	QUASPEAK
2		250.160	-12.824	48.570	35.746	-10.254	46.000	QUASPEAK
3		385.680	-9.746	48.570	38.824	-7.176	46.000	QUASPEAK
4	*	481.260	-5.170	44.120	38.949	-7.051	46.000	QUASPEAK
5		750.190	-1.498	40.150	38.652	-7.348	46.000	QUASPEAK
6		876.250	0.386	35.260	35.646	-10.354	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:35
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2437MHz)



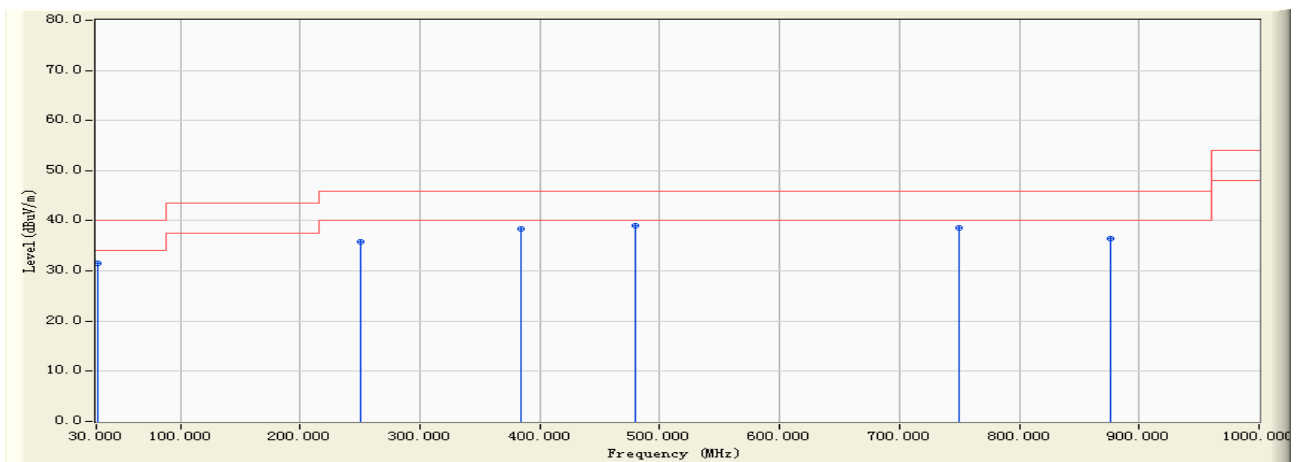
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		61.260	-17.061	48.520	31.459	-8.541	40.000	QUASPEAK
2		250.140	-7.256	45.360	38.104	-7.896	46.000	QUASPEAK
3		384.260	-7.914	45.180	37.265	-8.735	46.000	QUASPEAK
4		626.340	-4.190	40.170	35.981	-10.019	46.000	QUASPEAK
5		751.260	-0.120	39.560	39.439	-6.561	46.000	QUASPEAK
6	*	876.230	3.457	36.240	39.697	-6.303	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:36
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2462MHz)



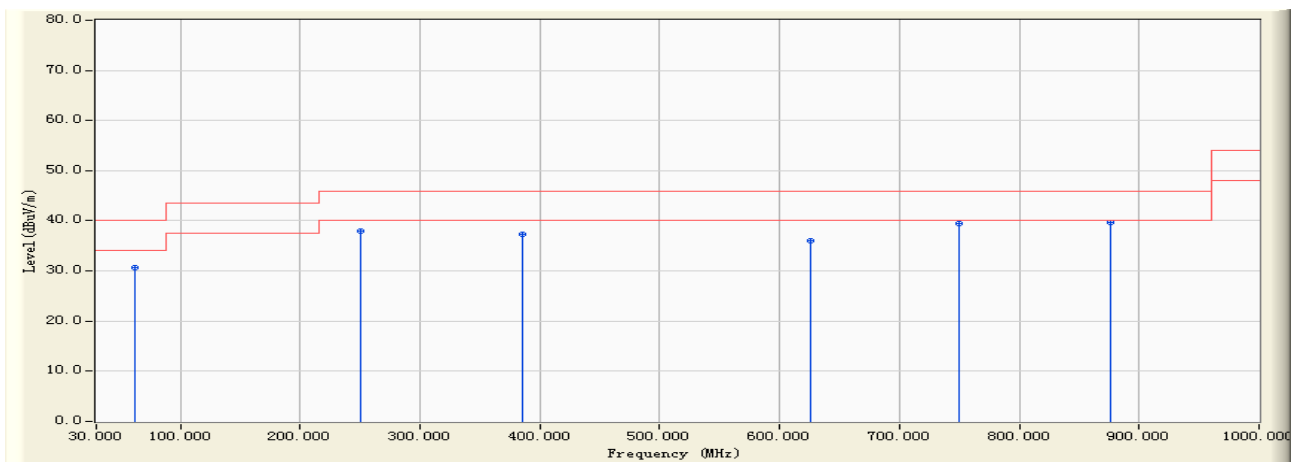
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		31.250	-8.116	39.620	31.504	-8.496	40.000	QUASPEAK
2		250.140	-12.821	48.630	35.809	-10.191	46.000	QUASPEAK
3		384.250	-9.740	48.150	38.410	-7.590	46.000	QUASPEAK
4	*	480.170	-5.108	44.240	39.132	-6.868	46.000	QUASPEAK
5		750.180	-1.498	40.190	38.692	-7.308	46.000	QUASPEAK
6		876.250	0.386	36.130	36.516	-9.484	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:37
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2462MHz)



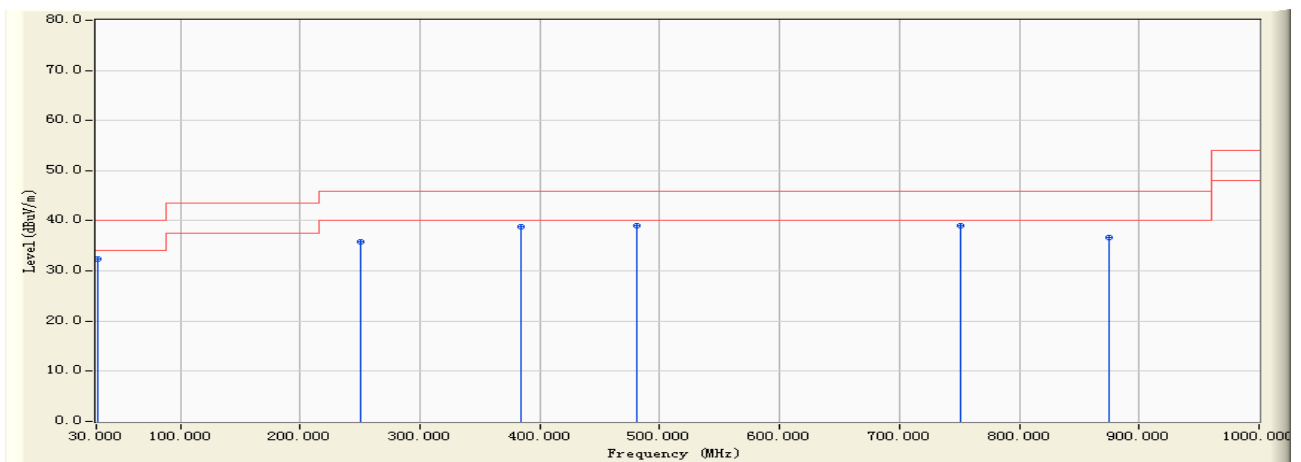
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		62.560	-17.589	48.350	30.761	-9.239	40.000	QUASPEAK
2		250.180	-7.261	45.280	38.018	-7.982	46.000	QUASPEAK
3		385.620	-7.713	45.120	37.406	-8.594	46.000	QUASPEAK
4		625.680	-4.190	40.170	35.979	-10.021	46.000	QUASPEAK
5		750.180	-0.225	39.630	39.405	-6.595	46.000	QUASPEAK
6	*	876.250	3.456	36.210	39.665	-6.335	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:38
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2422MHz)



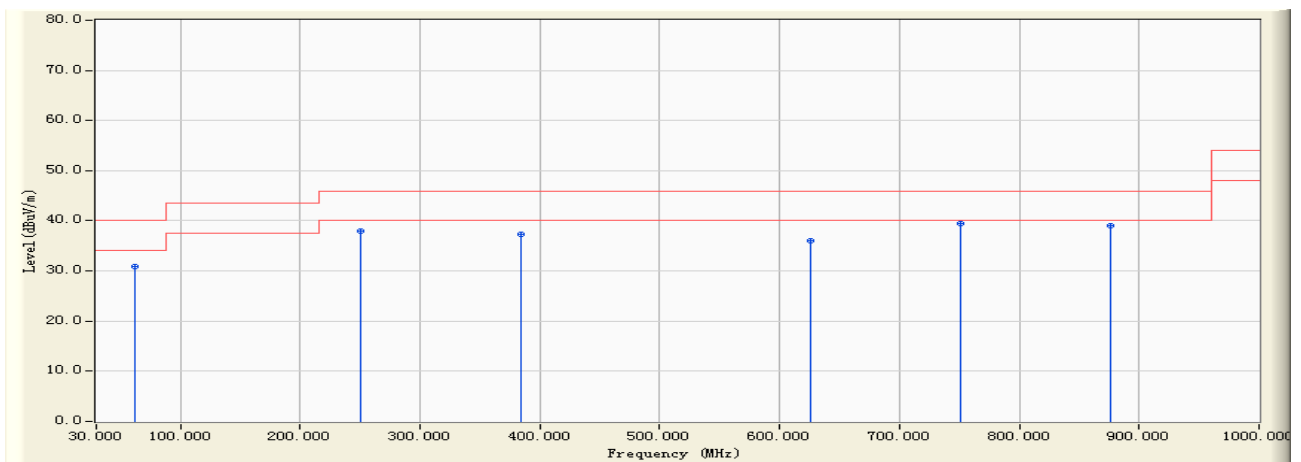
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		31.580	-7.872	40.250	32.378	-7.622	40.000	QUASPEAK
2		250.170	-12.824	48.630	35.805	-10.195	46.000	QUASPEAK
3		384.250	-9.740	48.630	38.890	-7.110	46.000	QUASPEAK
4		480.620	-5.133	44.150	39.018	-6.982	46.000	QUASPEAK
5	*	750.610	-1.521	40.590	39.069	-6.931	46.000	QUASPEAK
6		875.260	0.366	36.210	36.576	-9.424	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:38
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2422MHz)



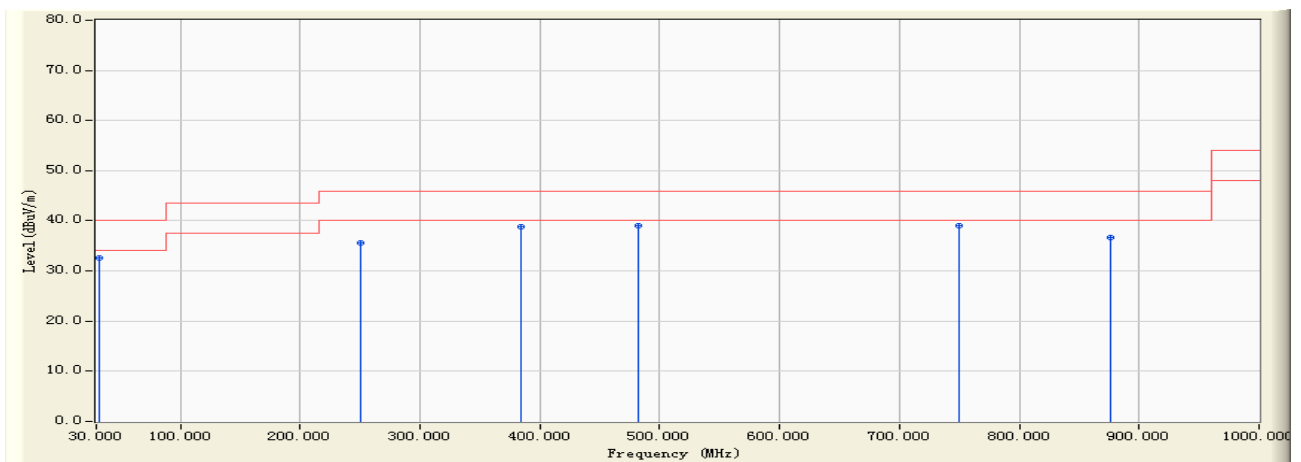
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		62.520	-17.556	48.530	30.974	-9.026	40.000	QUASIPeAK
2		250.180	-7.261	45.210	37.948	-8.052	46.000	QUASIPeAK
3		384.650	-7.857	45.260	37.403	-8.597	46.000	QUASIPeAK
4		625.340	-4.189	40.150	35.961	-10.039	46.000	QUASIPeAK
5	*	750.450	-0.197	39.620	39.423	-6.577	46.000	QUASIPeAK
6		876.520	3.446	35.680	39.126	-6.874	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 : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:39
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2437MHz)



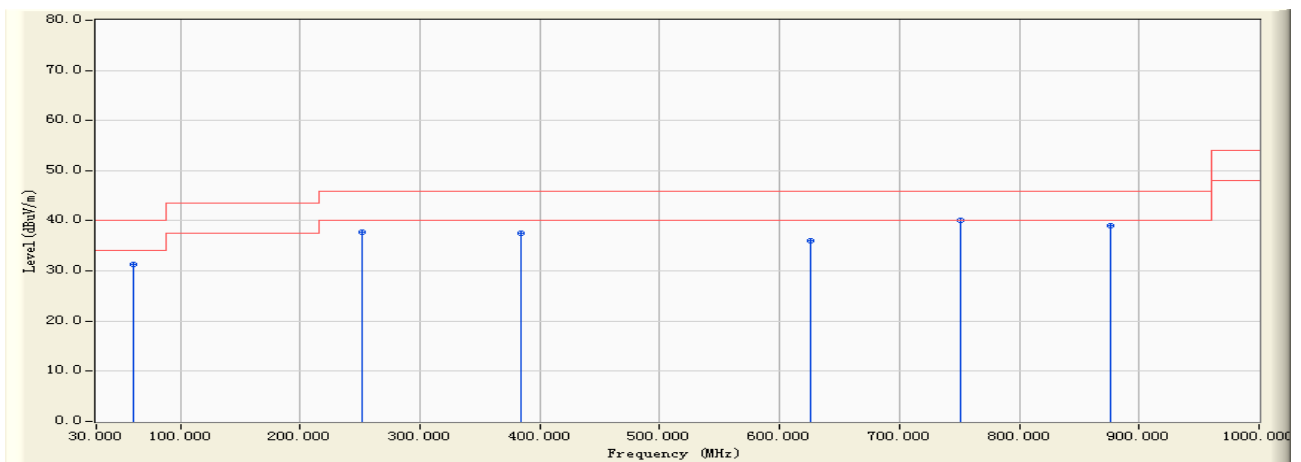
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		32.560	-7.046	39.620	32.574	-7.426	40.000	QUASPEAK
2		250.140	-12.821	48.530	35.709	-10.291	46.000	QUASPEAK
3		384.630	-9.742	48.530	38.788	-7.212	46.000	QUASPEAK
4		481.560	-5.194	44.210	39.016	-6.984	46.000	QUASPEAK
5	*	750.180	-1.498	40.570	39.072	-6.928	46.000	QUASPEAK
6		876.230	0.385	36.210	36.595	-9.405	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:40
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2437MHz)



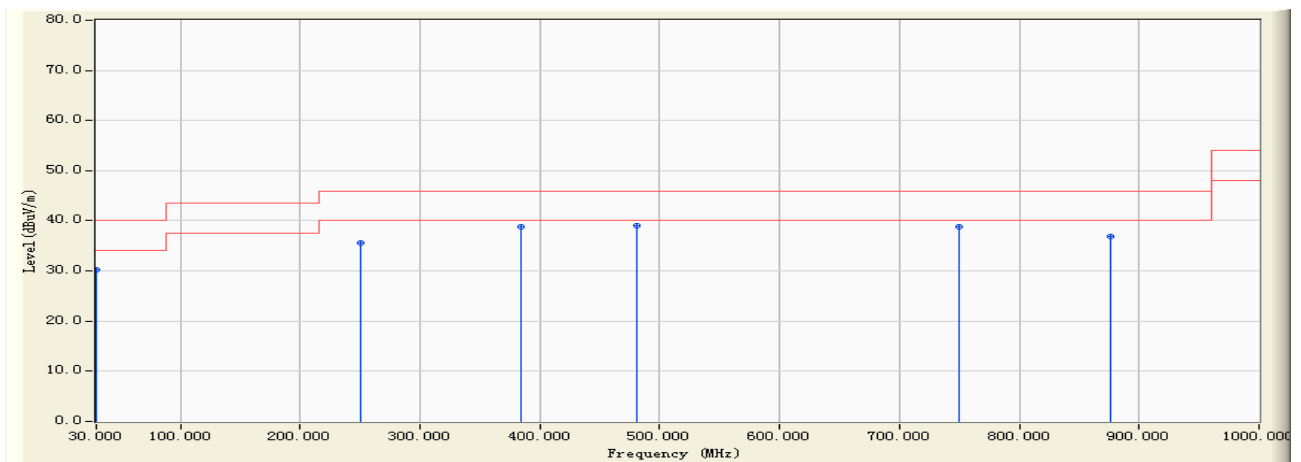
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		61.560	-17.091	48.320	31.230	-8.770	40.000	QUASPEAK
2		251.630	-7.470	45.270	37.799	-8.201	46.000	QUASPEAK
3		384.620	-7.862	45.370	37.509	-8.491	46.000	QUASPEAK
4		626.340	-4.190	40.190	36.001	-9.999	46.000	QUASPEAK
5	*	751.240	-0.123	40.170	40.047	-5.953	46.000	QUASPEAK
6		876.320	3.450	35.620	39.071	-6.929	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:41
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2452MHz)



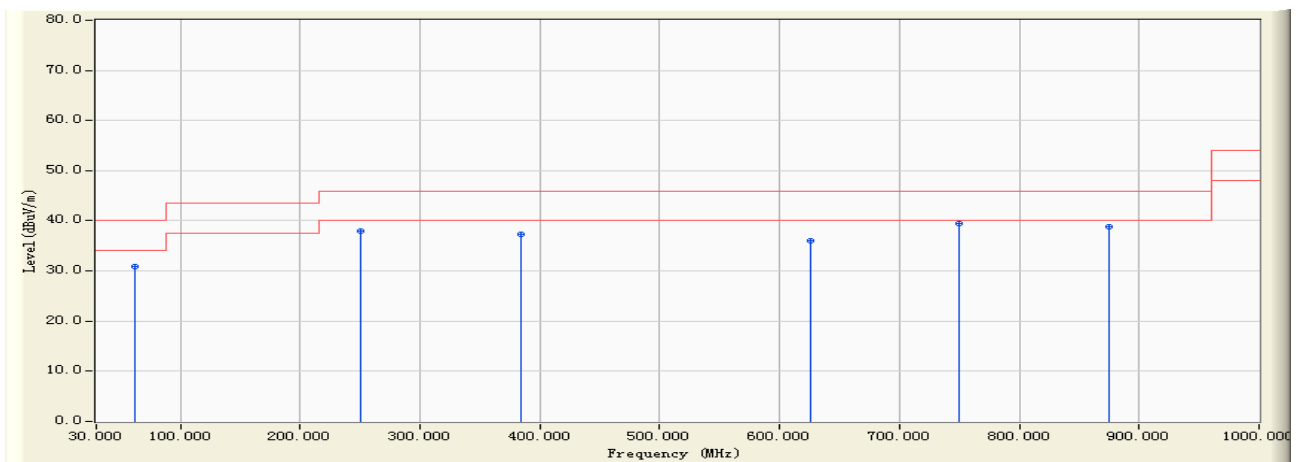
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		30.590	-8.471	38.690	30.219	-9.781	40.000	QUASPEAK
2		250.140	-12.821	48.330	35.509	-10.491	46.000	QUASPEAK
3		384.570	-9.742	48.510	38.768	-7.232	46.000	QUASPEAK
4	*	481.260	-5.170	44.240	39.069	-6.931	46.000	QUASPEAK
5		750.180	-1.498	40.390	38.892	-7.108	46.000	QUASPEAK
6		876.240	0.385	36.510	36.895	-9.105	46.000	QUASPEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/18 - 18:41
Limit : FCC_CLASS_B_03M_QP	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (30-1000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2452MHz)



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		62.540	-17.572	48.370	30.798	-9.202	40.000	QUASPEAK
2		250.160	-7.259	45.310	38.051	-7.949	46.000	QUASPEAK
3		384.650	-7.857	45.140	37.283	-8.717	46.000	QUASPEAK
4		626.340	-4.190	40.170	35.981	-10.019	46.000	QUASPEAK
5	*	750.180	-0.225	39.620	39.395	-6.605	46.000	QUASPEAK
6		875.240	3.534	35.210	38.744	-7.256	46.000	QUASPEAK

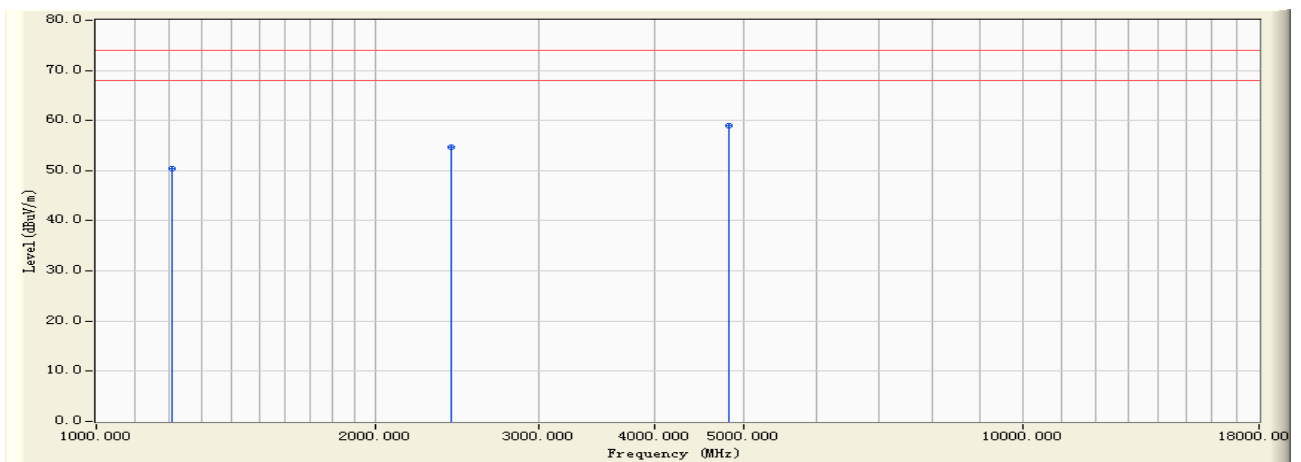
Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed 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 : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:51
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2412MHz)



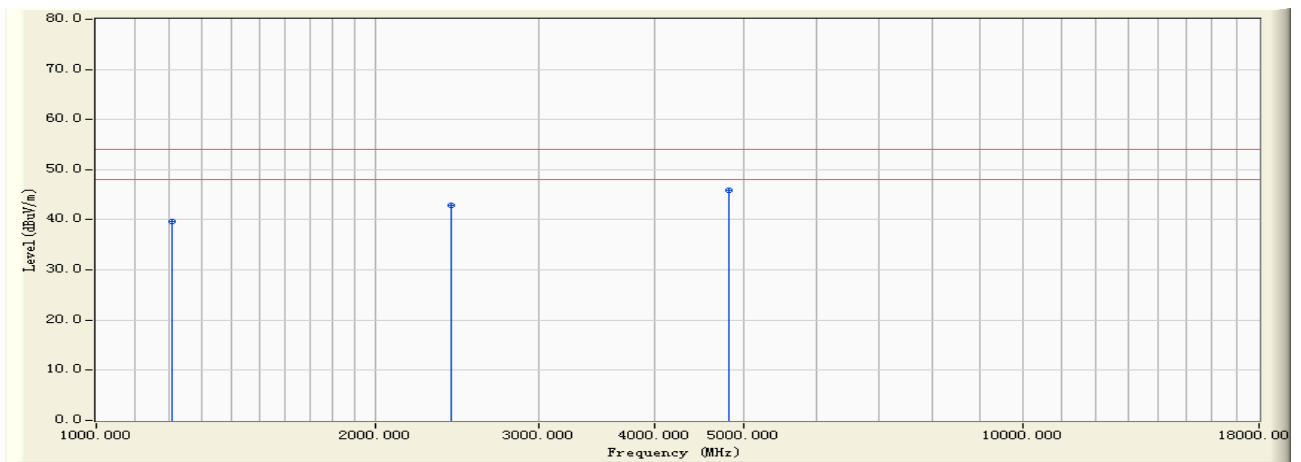
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1208.650	-5.871	56.250	50.380	-23.620	74.000	PEAK
2		2412.050	0.428	54.280	54.709	-19.291	74.000	PEAK
3	*	4825.370	7.350	51.690	59.041	-14.959	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:51
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2412MHz)



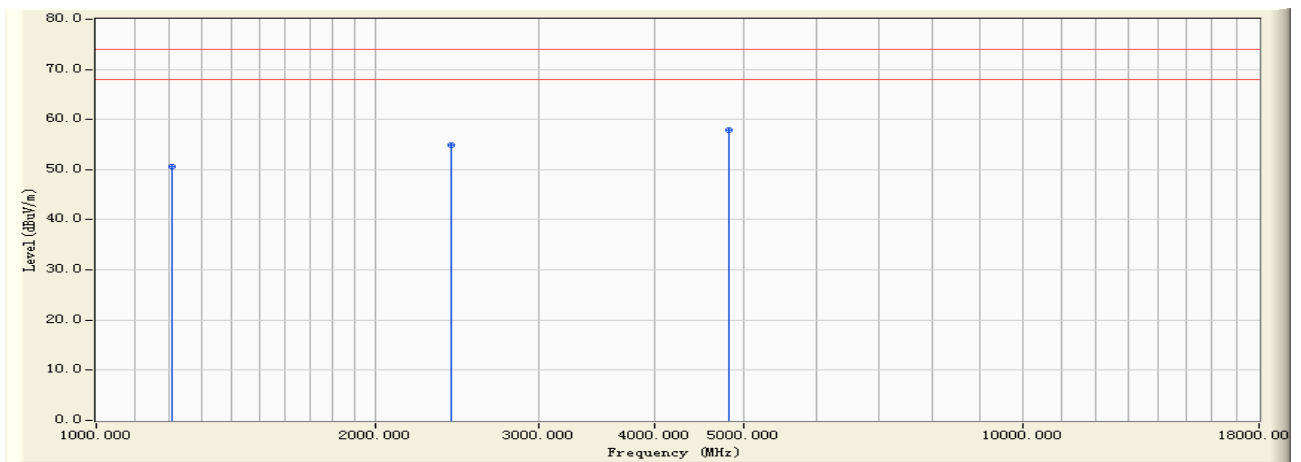
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1208.650	-5.871	45.590	39.720	-14.280	54.000	AVERAGE
2		2412.050	0.428	42.570	42.999	-11.001	54.000	AVERAGE
3	*	4825.370	7.350	38.560	45.911	-8.089	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:52
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2412MHz)



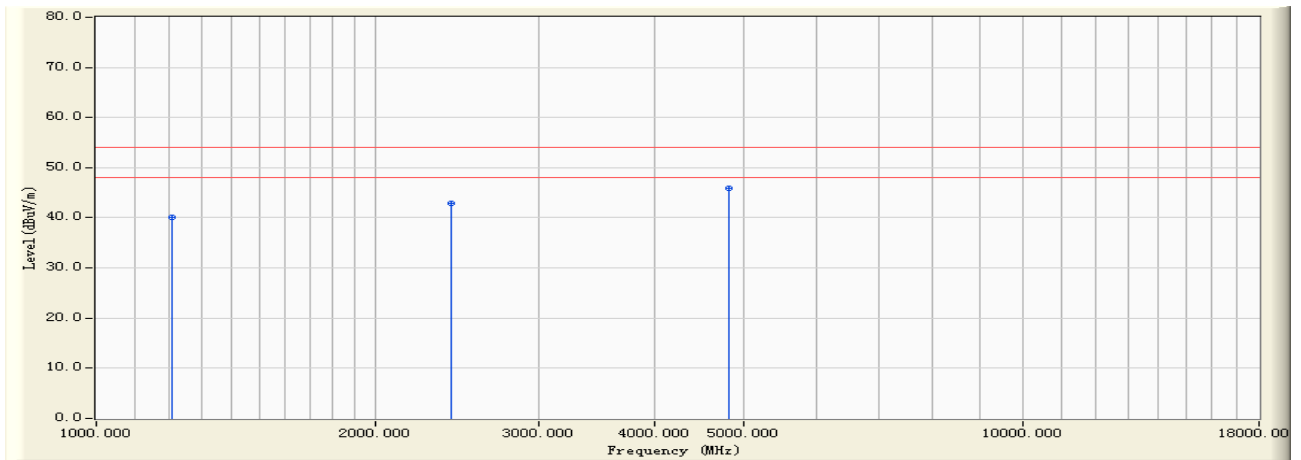
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1207.680	-5.880	56.520	50.640	-23.360	74.000	PEAK
2		2412.170	0.429	54.390	54.819	-19.181	74.000	PEAK
3	*	4825.670	7.352	50.620	57.971	-16.029	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:52
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2412MHz)



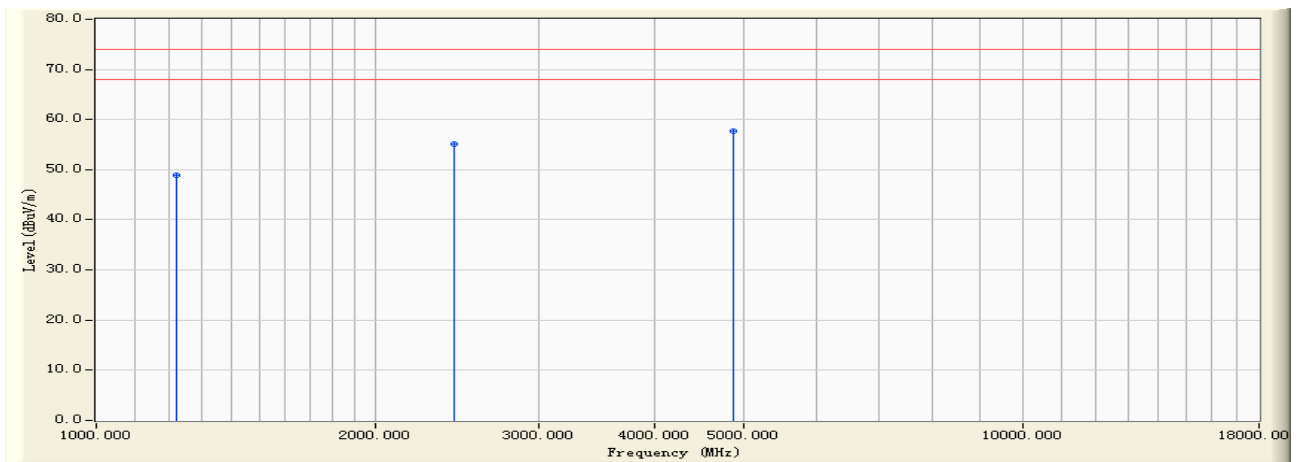
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1207.680	-5.880	45.950	40.070	-13.930	54.000	AVERAGE
2		2412.170	0.429	42.510	42.939	-11.061	54.000	AVERAGE
3	*	4825.670	7.352	38.630	45.981	-8.019	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:54
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2437MHz)



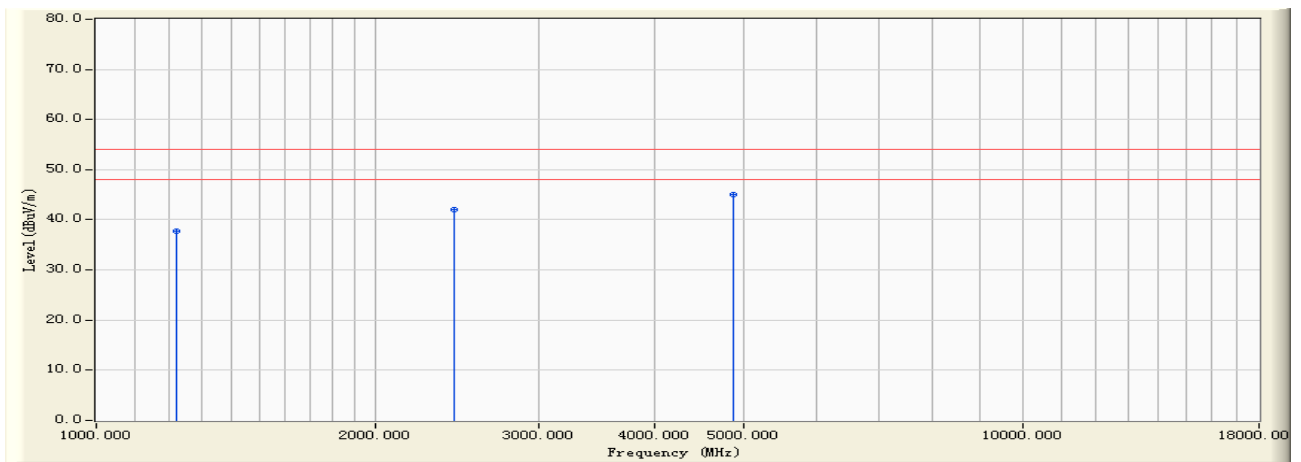
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1220.580	-5.745	54.590	48.844	-25.156	74.000	PEAK
2		2437.060	0.509	54.680	55.189	-18.811	74.000	PEAK
3	*	4875.190	7.459	50.170	57.629	-16.371	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:54
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2437MHz)



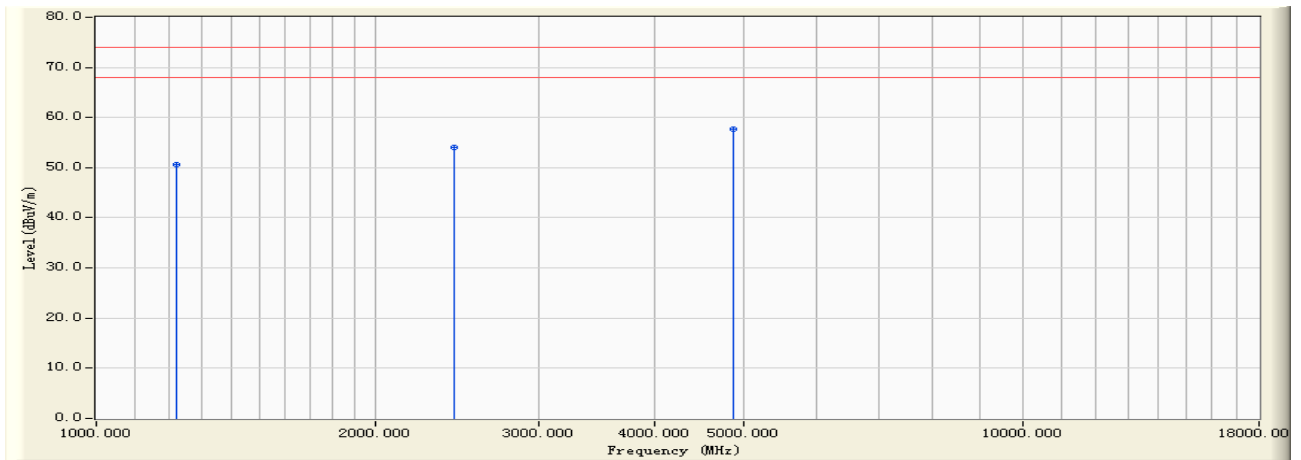
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1220.580	-5.745	43.570	37.824	-16.176	54.000	AVERAGE
2		2437.060	0.509	41.590	42.099	-11.901	54.000	AVERAGE
3	*	4875.190	7.459	37.560	45.019	-8.981	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:55
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2437MHz)



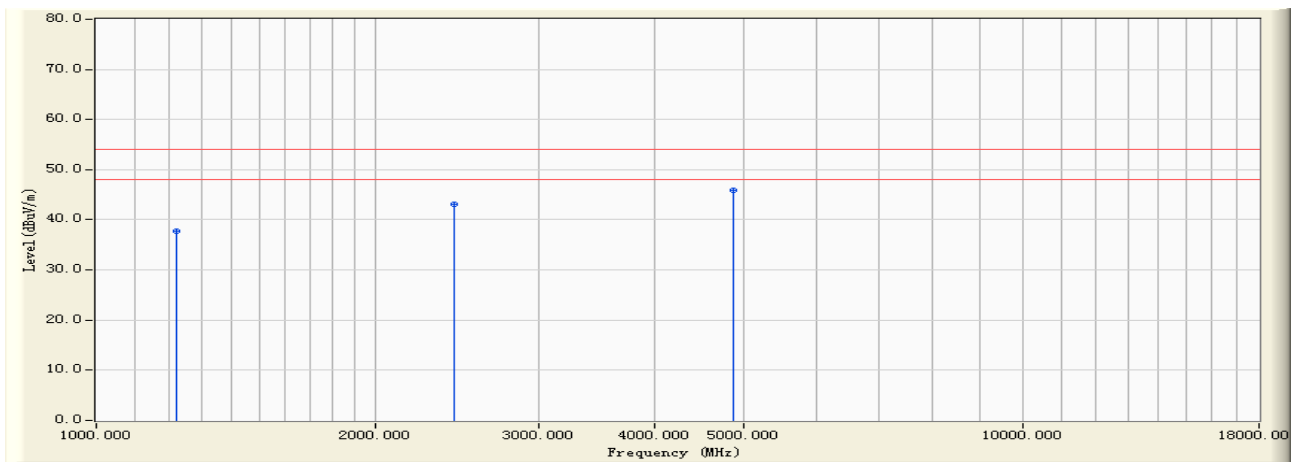
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1219.350	-5.759	56.280	50.522	-23.478	74.000	PEAK
2		2437.060	0.509	53.570	54.079	-19.921	74.000	PEAK
3	*	4875.600	7.460	50.200	57.660	-16.340	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:55
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2437MHz)



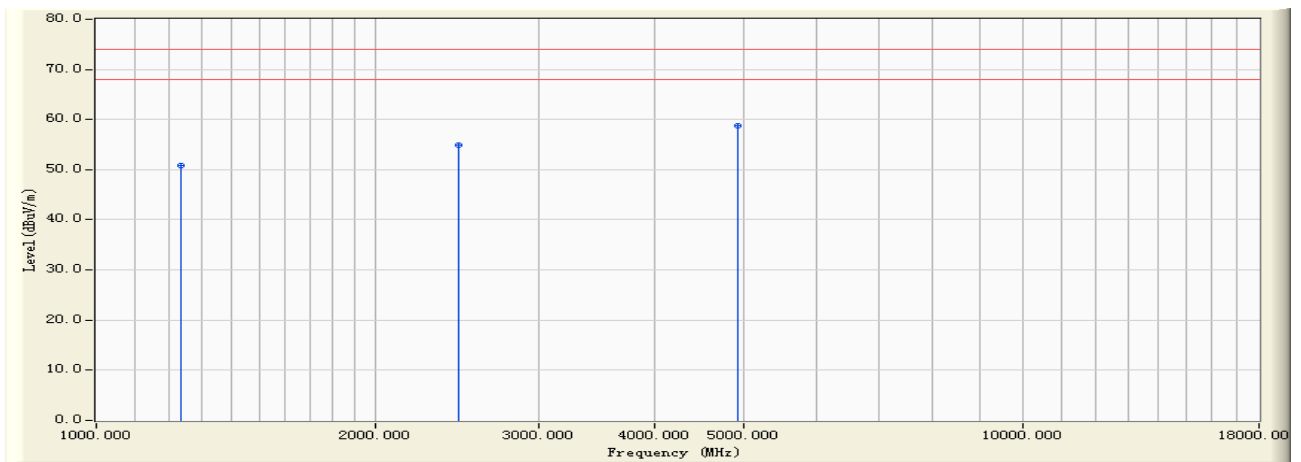
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	1219.350	-5.759	43.580	37.822	-16.178	54.000	AVERAGE
2	2437.060	0.509	42.640	43.149	-10.851	54.000	AVERAGE
3	* 4875.600	7.460	38.540	46.000	-8.000	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:56
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2462MHz)



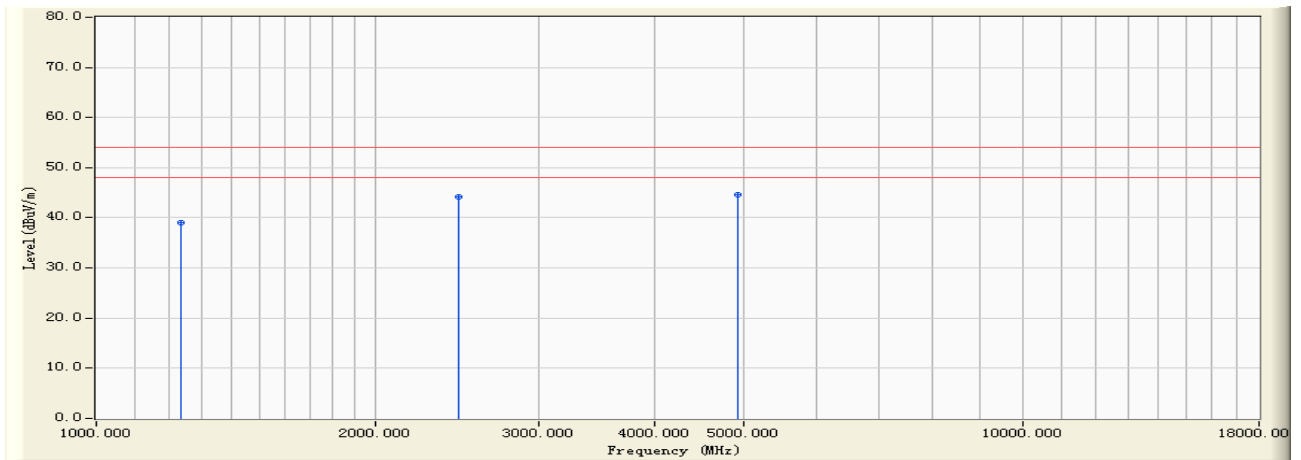
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBUV)	Measure Level (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Detector Type
1		1234.680	-5.588	56.520	50.932	-23.068	74.000	PEAK
2		2462.150	0.600	54.370	54.970	-19.030	74.000	PEAK
3	*	4925.380	7.567	51.280	58.847	-15.153	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:56
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2462MHz)



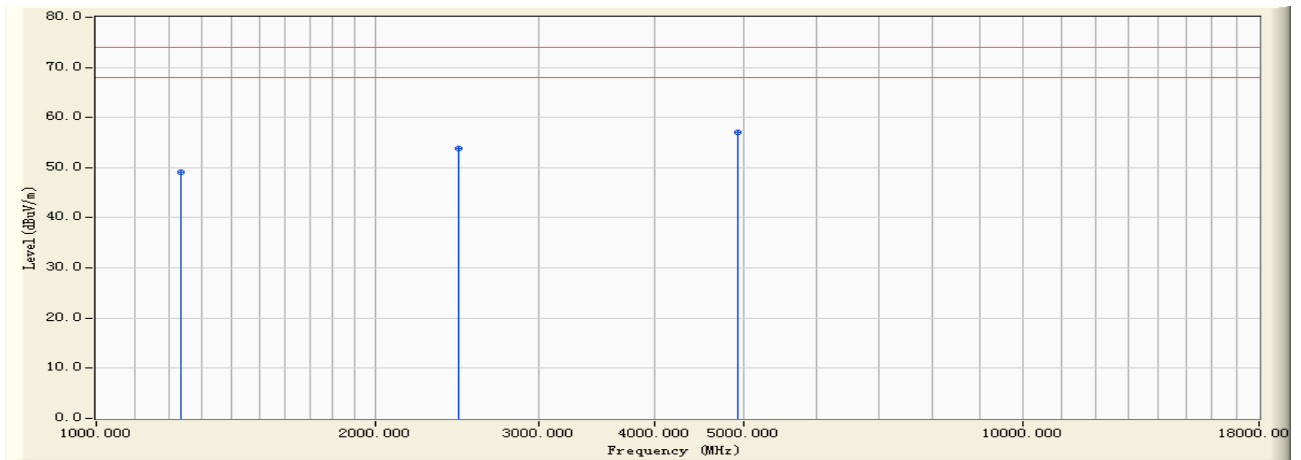
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1234.680	-5.588	44.630	39.042	-14.958	54.000	AVERAGE
2		2462.150	0.600	43.573	44.173	-9.827	54.000	AVERAGE
3	*	4925.380	7.567	37.070	44.637	-9.363	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:58
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2462MHz)



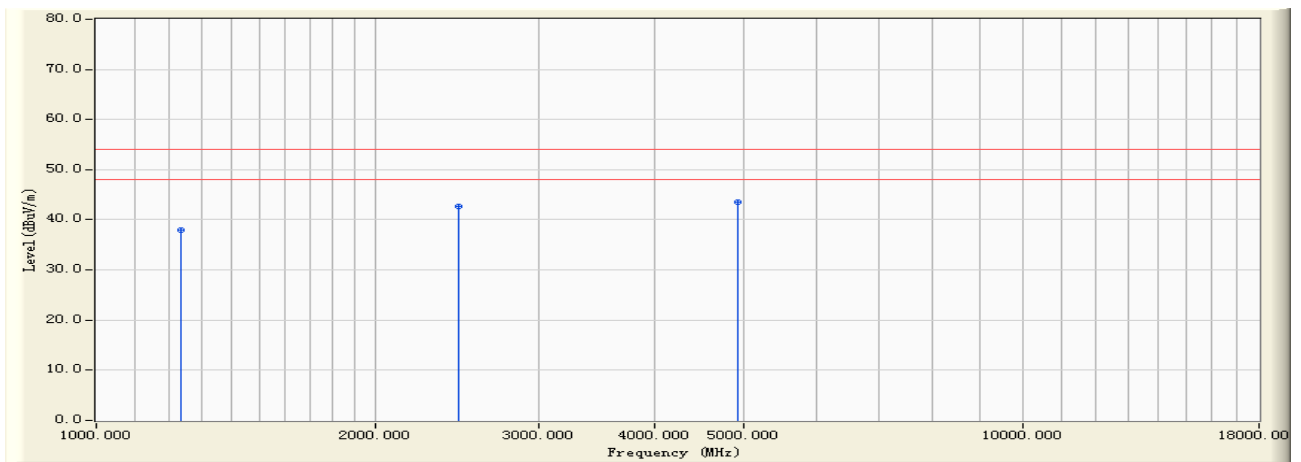
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1233.540	-5.601	54.680	49.079	-24.921	74.000	PEAK
2		2462.030	0.600	53.270	53.870	-20.130	74.000	PEAK
3	*	4926.330	7.570	49.530	57.100	-16.900	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:58
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2462MHz)



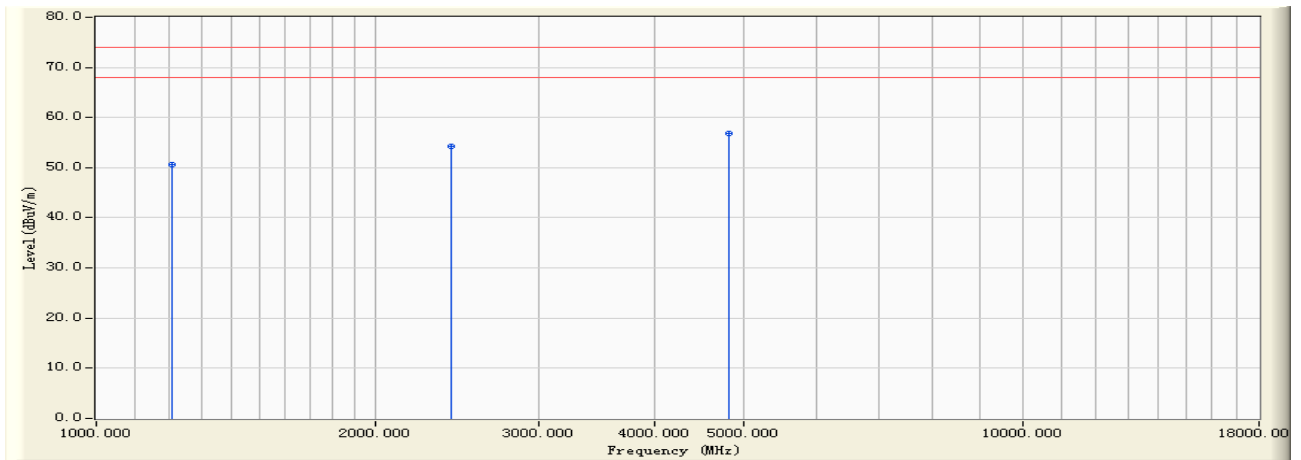
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1233.540	-5.601	43.570	37.969	-16.031	54.000	AVERAGE
2		2462.030	0.600	42.150	42.750	-11.250	54.000	AVERAGE
3	*	4926.330	7.570	36.050	43.620	-10.380	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:04
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2412MHz)



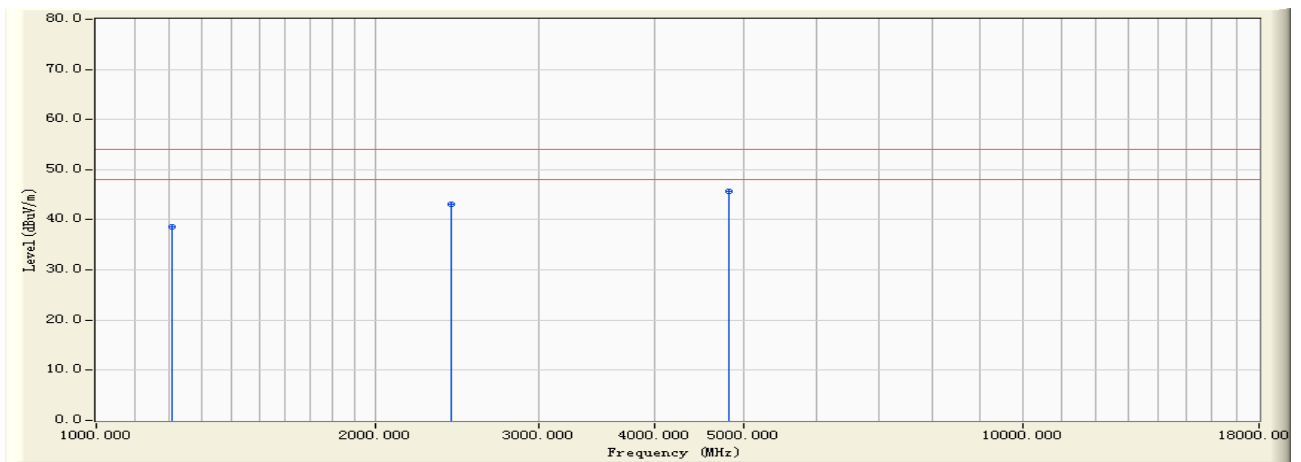
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1207.540	-5.882	56.520	50.638	-23.362	74.000	PEAK
2		2412.370	0.429	53.840	54.270	-19.730	74.000	PEAK
3	*	4825.160	7.350	49.580	56.930	-17.070	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:04
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2412MHz)



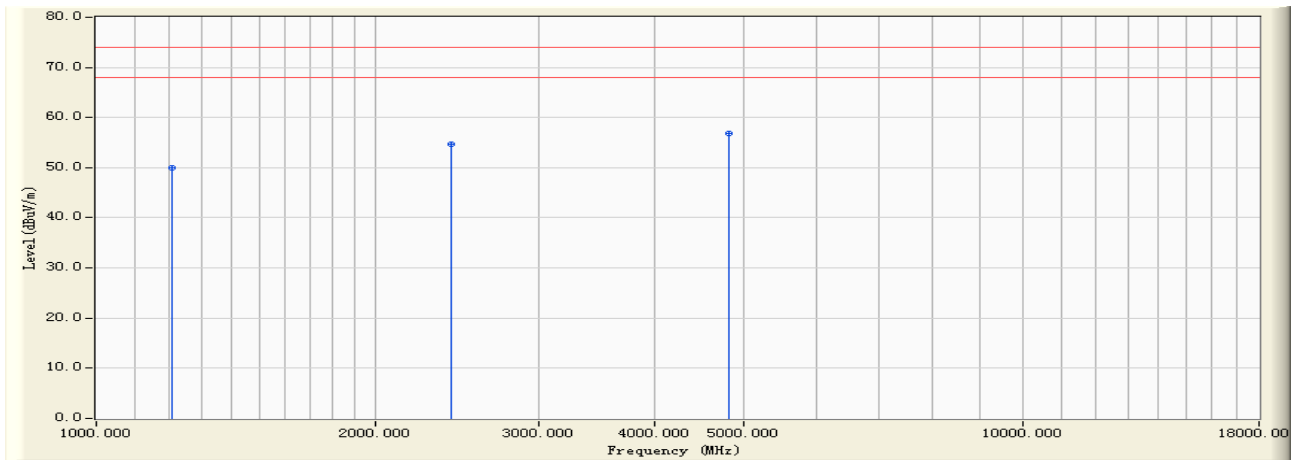
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1207.540	-5.882	44.580	38.698	-15.302	54.000	AVERAGE
2		2412.370	0.429	42.590	43.020	-10.980	54.000	AVERAGE
3	*	4825.160	7.350	38.320	45.670	-8.330	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:06
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2412MHz)



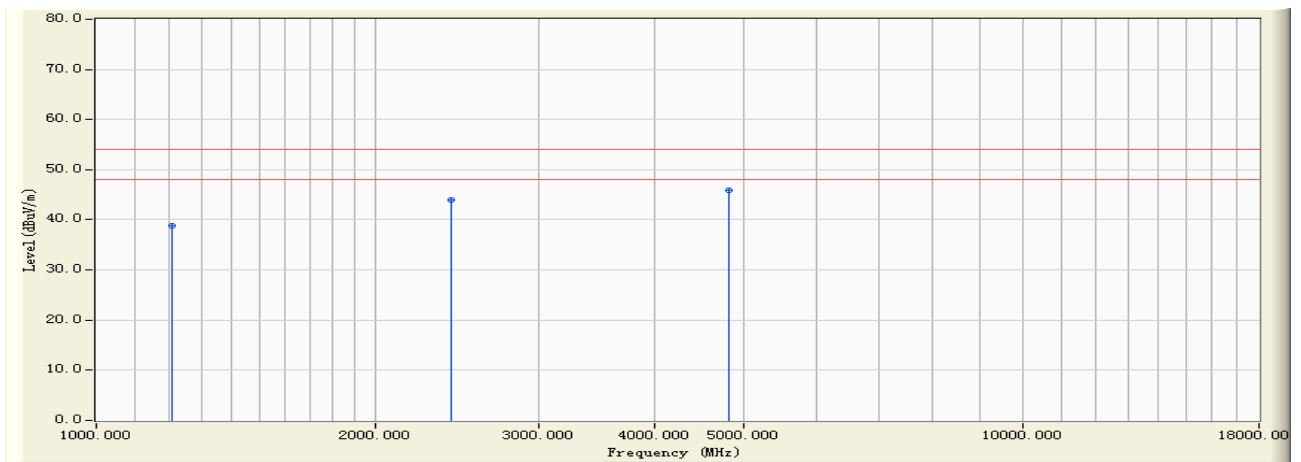
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1206.590	-5.892	55.890	49.998	-24.002	74.000	PEAK
2		2412.350	0.429	54.270	54.700	-19.300	74.000	PEAK
3	*	4825.610	7.351	49.570	56.921	-17.079	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:06
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2412MHz)



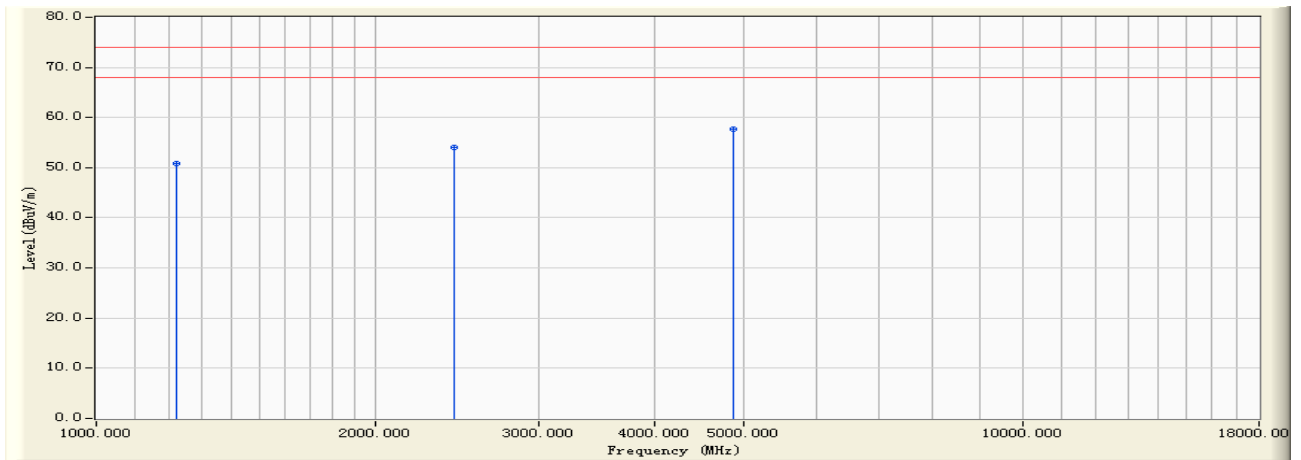
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1206.590	-5.892	44.680	38.788	-15.212	54.000	AVERAGE
2		2412.350	0.429	43.510	43.940	-10.060	54.000	AVERAGE
3	*	4825.610	7.351	38.520	45.871	-8.129	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:07
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2437MHz)



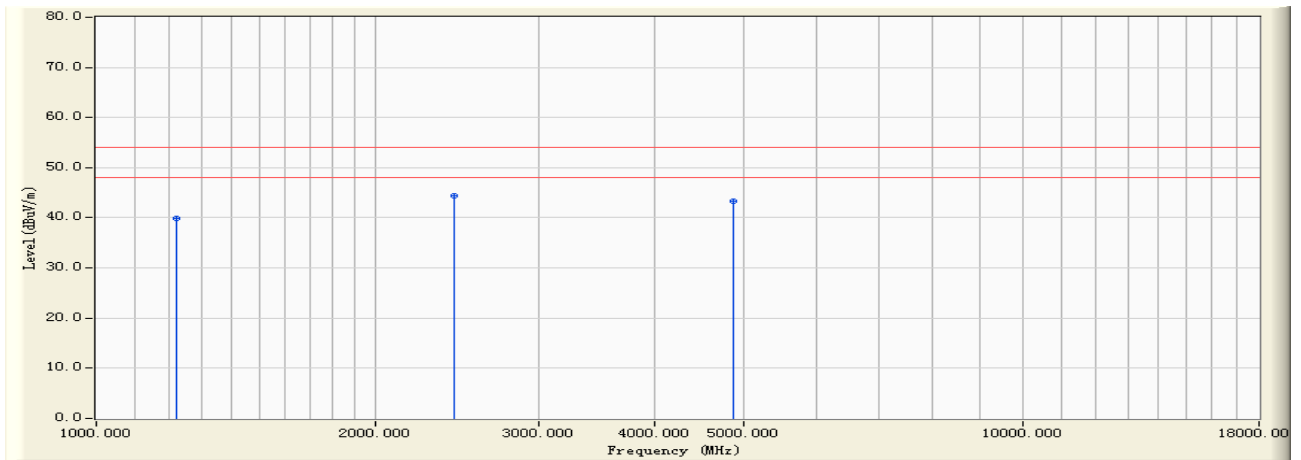
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1218.360	-5.769	56.520	50.751	-23.249	74.000	PEAK
2		2437.150	0.510	53.640	54.150	-19.850	74.000	PEAK
3	*	4875.690	7.461	50.280	57.740	-16.260	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:07
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2437MHz)



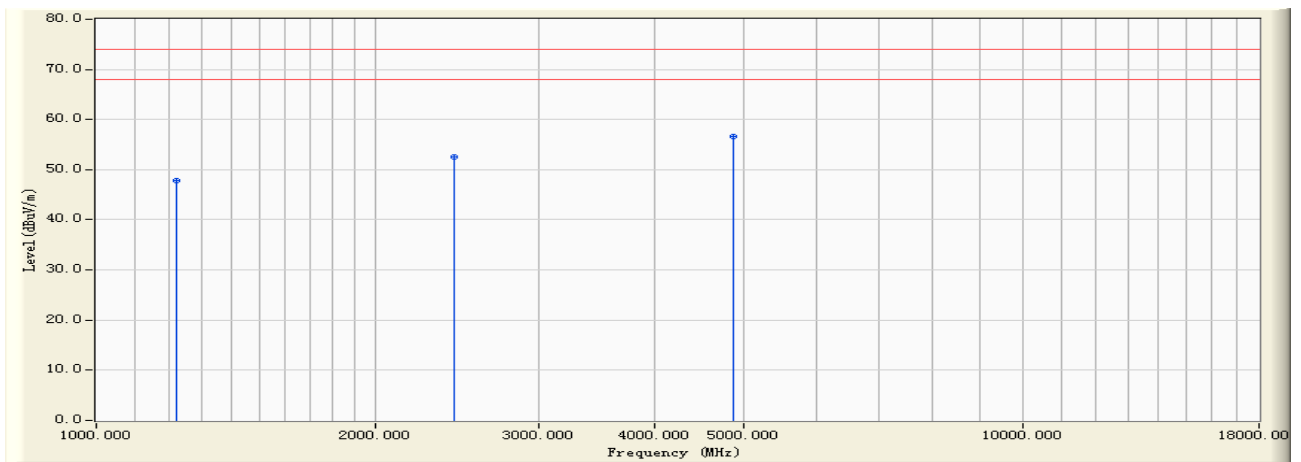
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1218.360	-5.769	45.610	39.841	-14.159	54.000	AVERAGE
2	*	2437.150	0.510	43.850	44.360	-9.640	54.000	AVERAGE
3		4875.690	7.461	35.910	43.370	-10.630	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:08
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2437MHz)



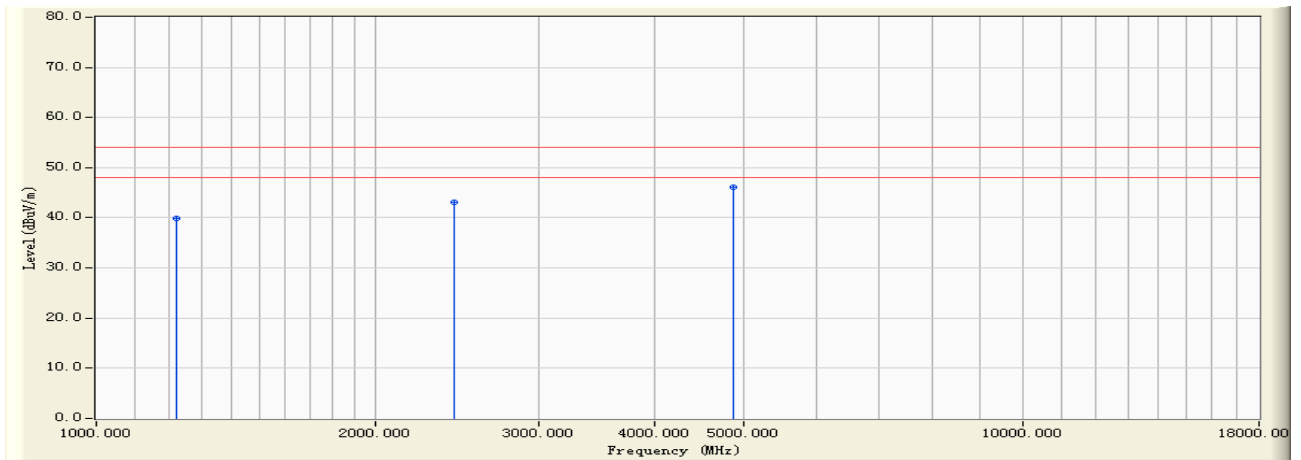
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1219.360	-5.759	53.680	47.922	-26.078	74.000	PEAK
2		2437.650	0.511	51.980	52.491	-21.509	74.000	PEAK
3	*	4876.570	7.462	49.220	56.682	-17.318	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:08
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2437MHz)



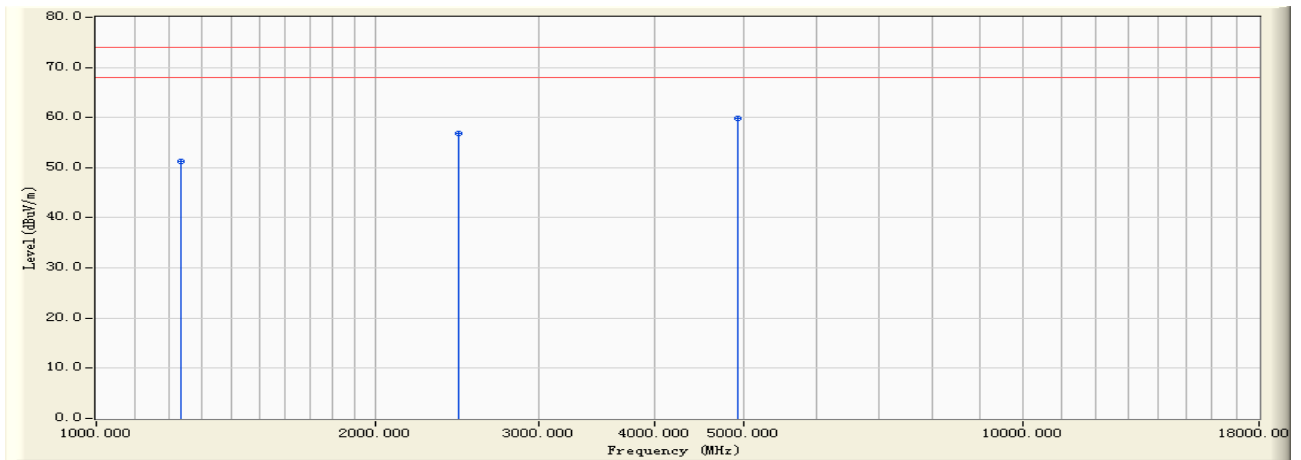
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1219.360	-5.759	45.680	39.922	-14.078	54.000	AVERAGE
2		2437.650	0.511	42.570	43.081	-10.919	54.000	AVERAGE
3	*	4876.570	7.462	38.640	46.102	-7.898	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:10
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2462MHz)



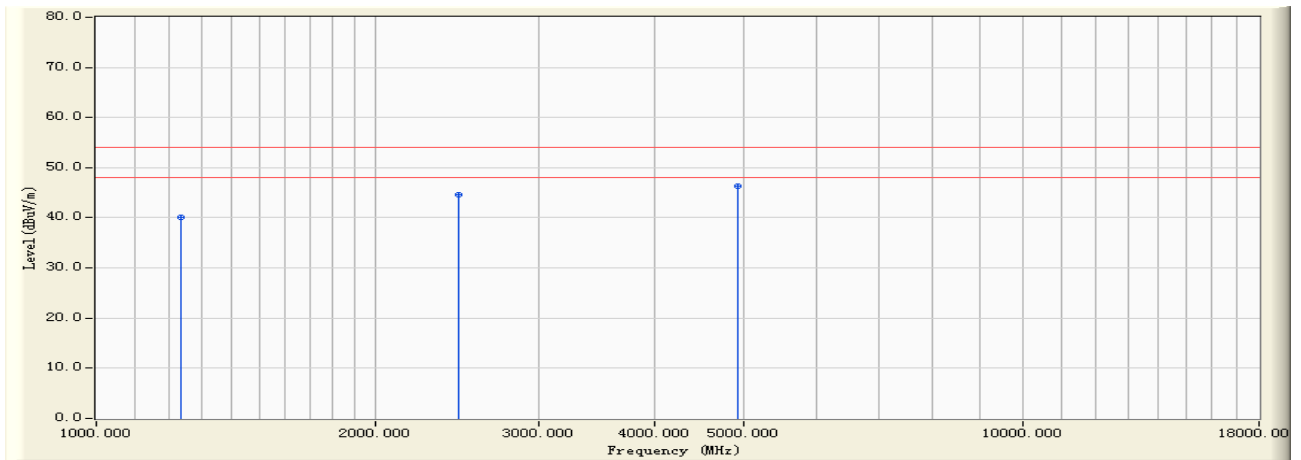
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1235.690	-5.576	56.830	51.253	-22.747	74.000	PEAK
2		2462.510	0.601	56.170	56.771	-17.229	74.000	PEAK
3	*	4926.380	7.570	52.180	59.750	-14.250	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:10
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2462MHz)



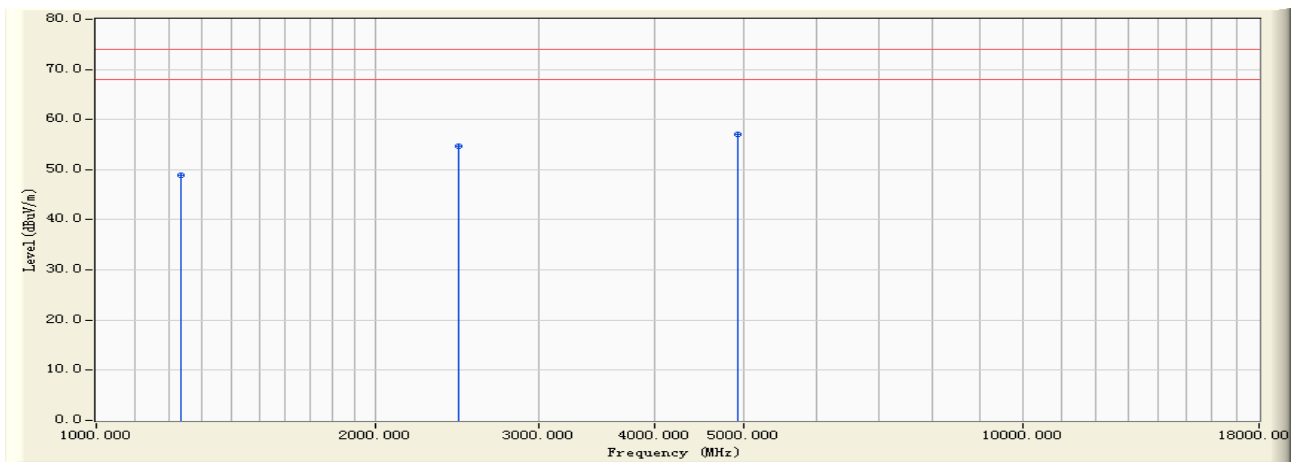
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1235.690	-5.576	45.620	40.043	-13.957	54.000	AVERAGE
2		2462.510	0.601	44.060	44.661	-9.339	54.000	AVERAGE
3	*	4926.380	7.570	38.650	46.220	-7.780	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:11
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2462MHz)



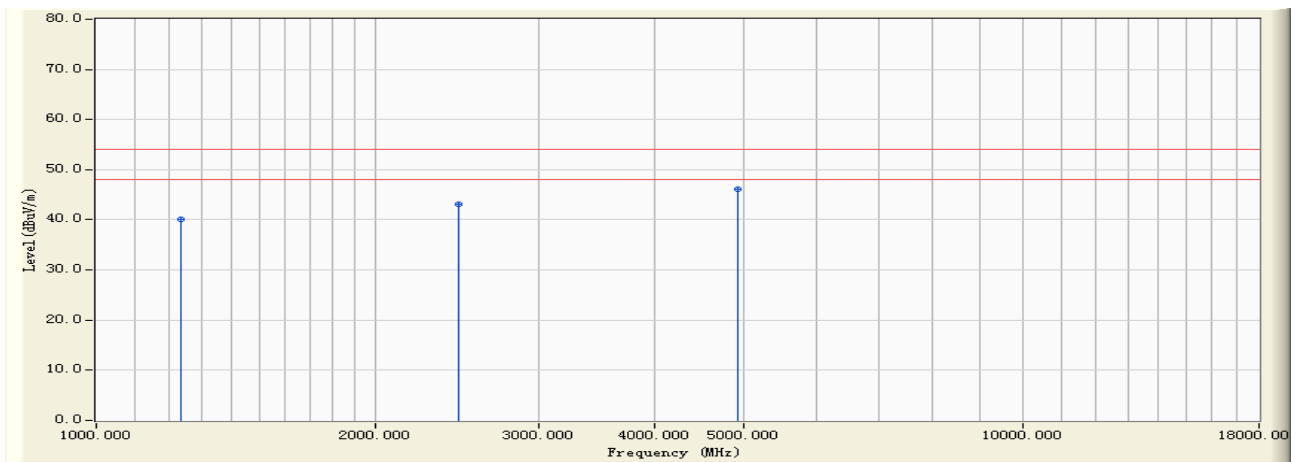
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1234.680	-5.588	54.590	49.002	-24.998	74.000	PEAK
2		2462.870	0.602	54.030	54.632	-19.368	74.000	PEAK
3	*	4926.320	7.570	49.540	57.110	-16.890	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:11
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2462MHz)



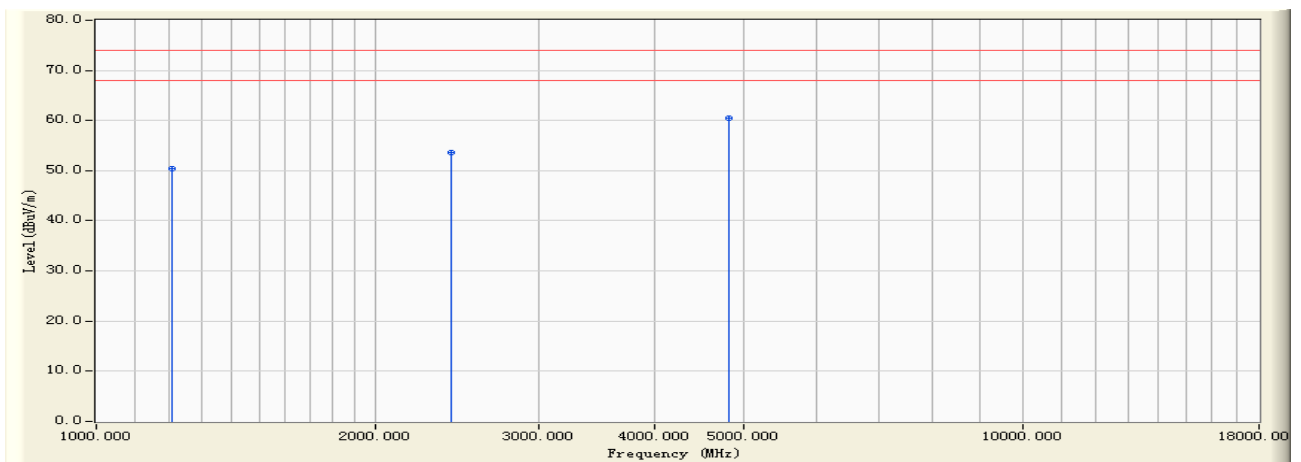
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1234.680	-5.588	45.620	40.032	-13.968	54.000	AVERAGE
2		2462.870	0.602	42.570	43.172	-10.828	54.000	AVERAGE
3	*	4926.320	7.570	38.540	46.110	-7.890	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:16
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2412MHz)



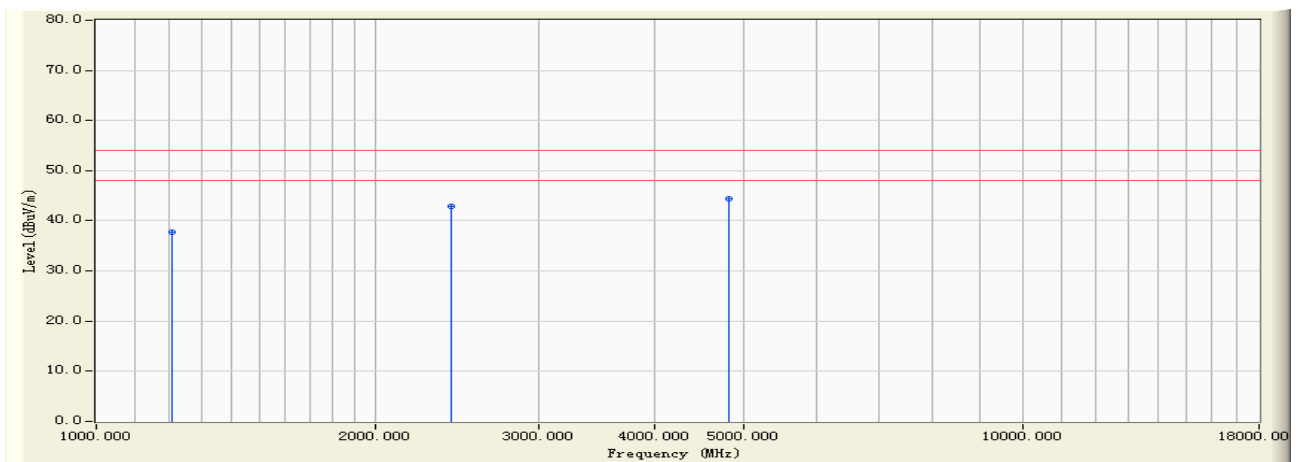
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1208.650	-5.871	56.250	50.380	-23.620	74.000	PEAK
2		2412.050	0.428	53.260	53.689	-20.311	74.000	PEAK
3	*	4825.610	7.351	53.210	60.561	-13.439	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:16
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2412MHz)



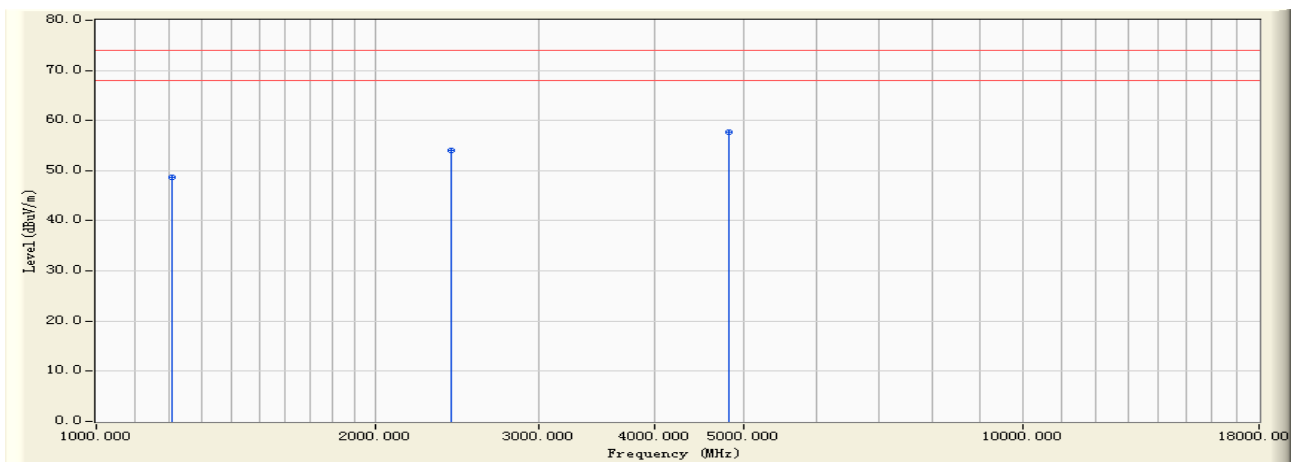
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1208.650	-5.871	43.590	37.720	-16.280	54.000	AVERAGE
2		2412.050	0.428	42.530	42.959	-11.041	54.000	AVERAGE
3	*	4825.610	7.351	36.970	44.321	-9.679	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:17
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2412MHz)



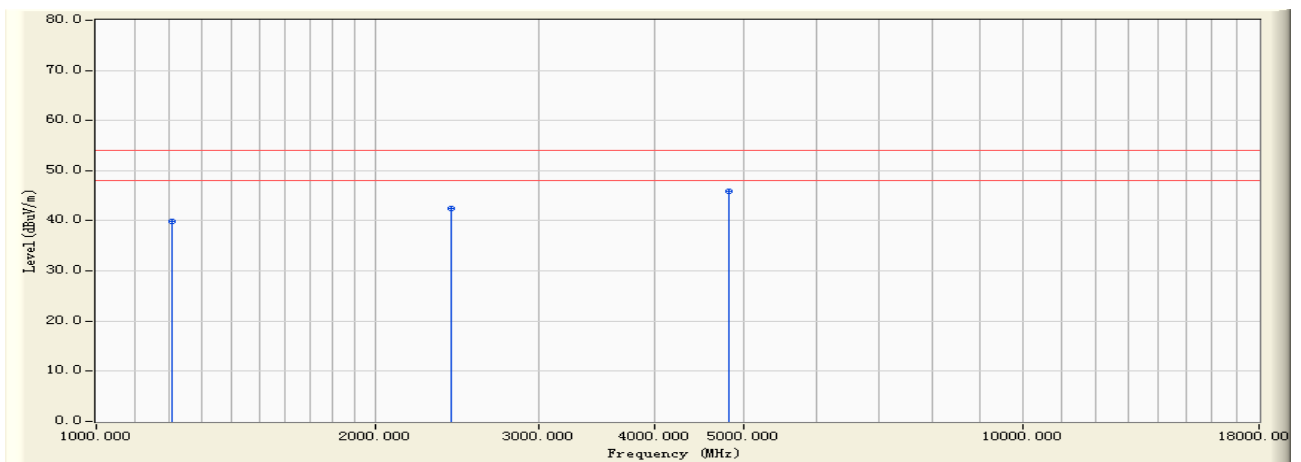
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1207.650	-5.881	54.590	48.709	-25.291	74.000	PEAK
2		2412.270	0.429	53.590	54.019	-19.981	74.000	PEAK
3	*	4825.610	7.351	50.240	57.591	-16.409	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:17
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2412MHz)



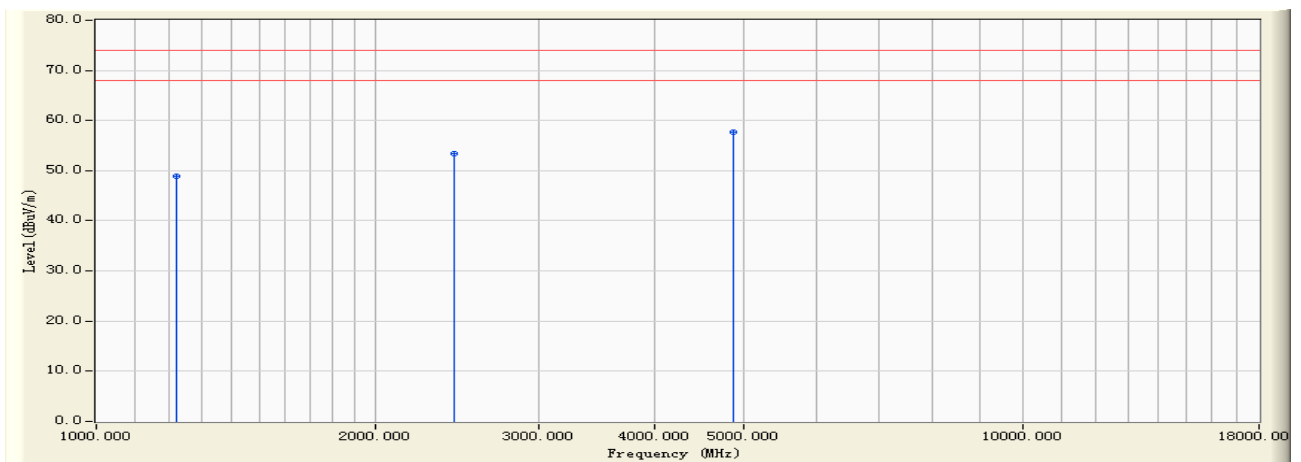
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1207.650	-5.881	45.690	39.809	-14.191	54.000	AVERAGE
2		2412.270	0.429	42.050	42.479	-11.521	54.000	AVERAGE
3	*	4825.610	7.351	38.640	45.991	-8.009	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:19
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2437MHz)



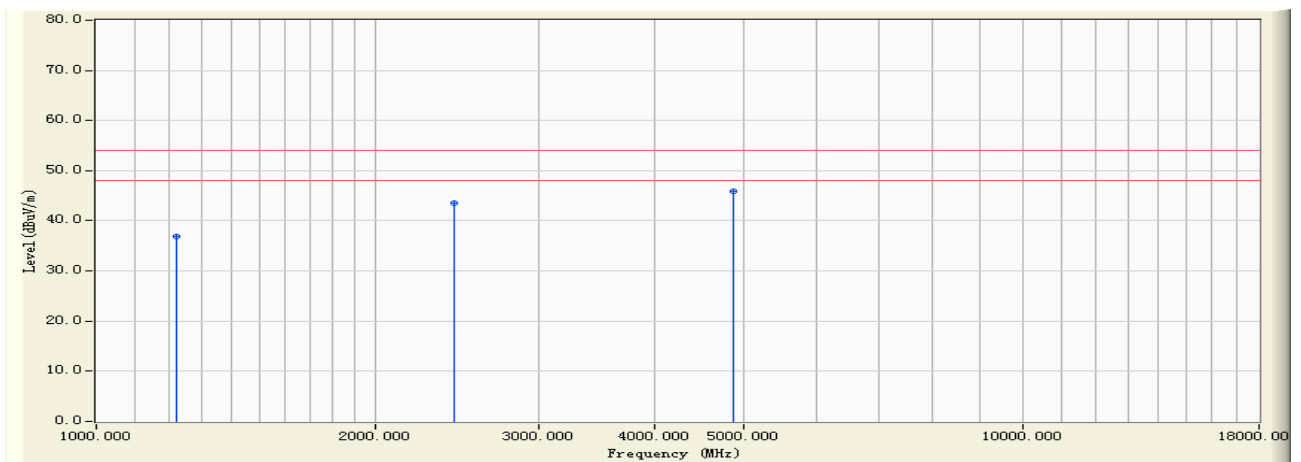
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1219.650	-5.756	54.580	48.825	-25.175	74.000	PEAK
2		2437.500	0.510	52.870	53.381	-20.619	74.000	PEAK
3	*	4875.620	7.460	50.270	57.730	-16.270	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:19
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2437MHz)



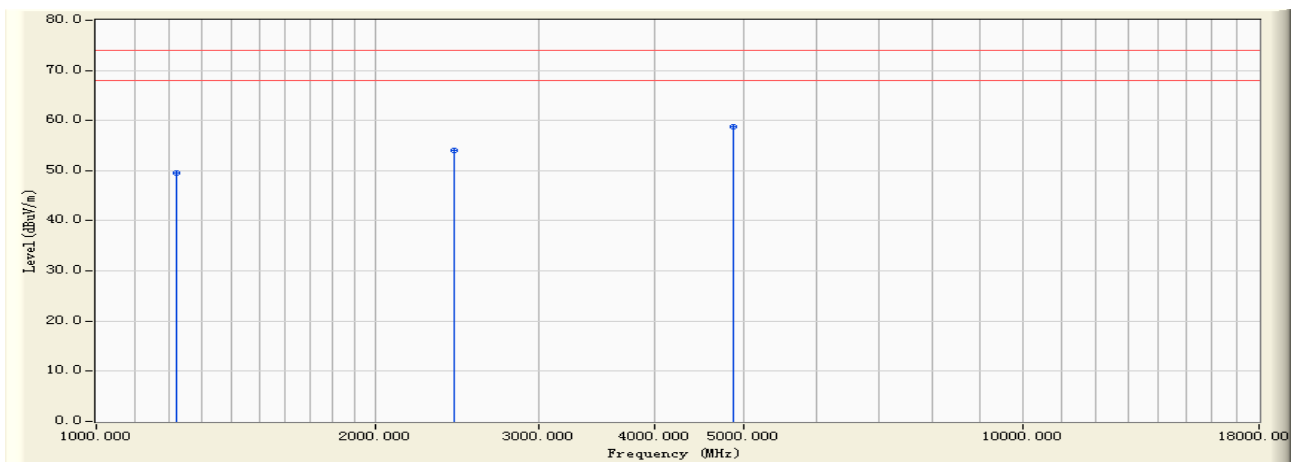
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1219.650	-5.756	42.590	36.835	-17.165	54.000	AVERAGE
2		2437.500	0.510	42.950	43.461	-10.539	54.000	AVERAGE
3	*	4875.620	7.460	38.540	46.000	-8.000	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:20
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2437MHz)



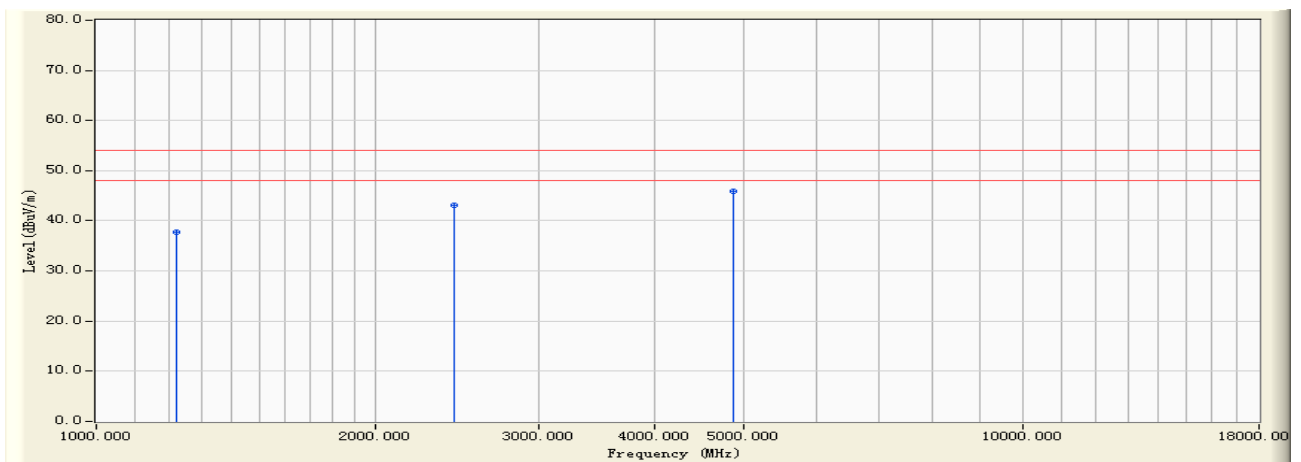
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1218.690	-5.766	55.290	49.525	-24.475	74.000	PEAK
2		2437.260	0.510	53.620	54.130	-19.870	74.000	PEAK
3	*	4875.650	7.461	51.270	58.730	-15.270	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:20
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2437MHz)



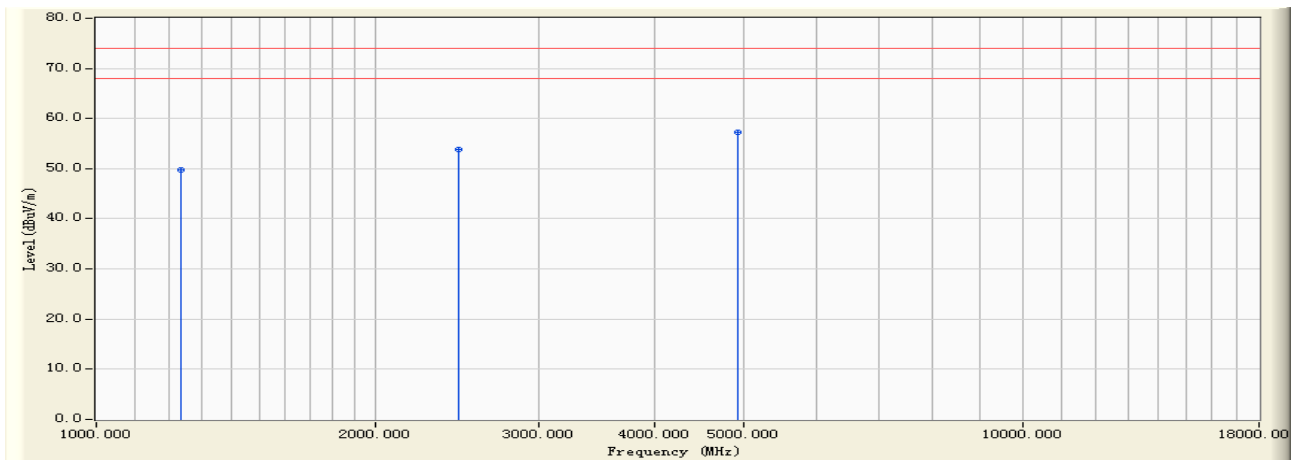
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1218.690	-5.766	43.570	37.805	-16.195	54.000	AVERAGE
2		2437.260	0.510	42.580	43.090	-10.910	54.000	AVERAGE
3	*	4875.650	7.461	38.540	46.000	-8.000	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:22
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2462MHz)



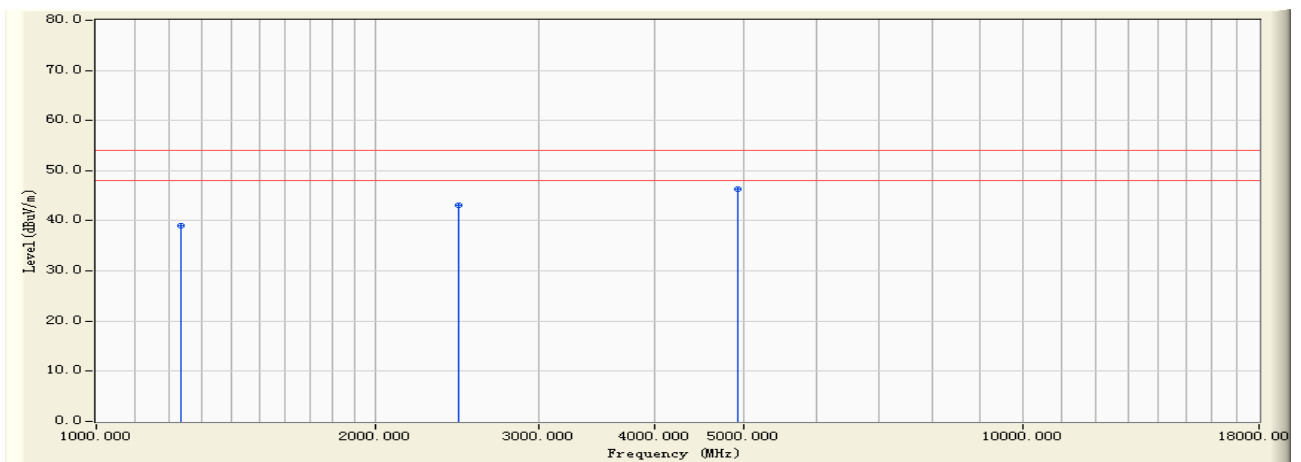
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1233.540	-5.601	55.320	49.719	-24.281	74.000	PEAK
2		2462.150	0.600	53.270	53.870	-20.130	74.000	PEAK
3	*	4926.330	7.570	49.640	57.210	-16.790	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:22
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2462MHz)



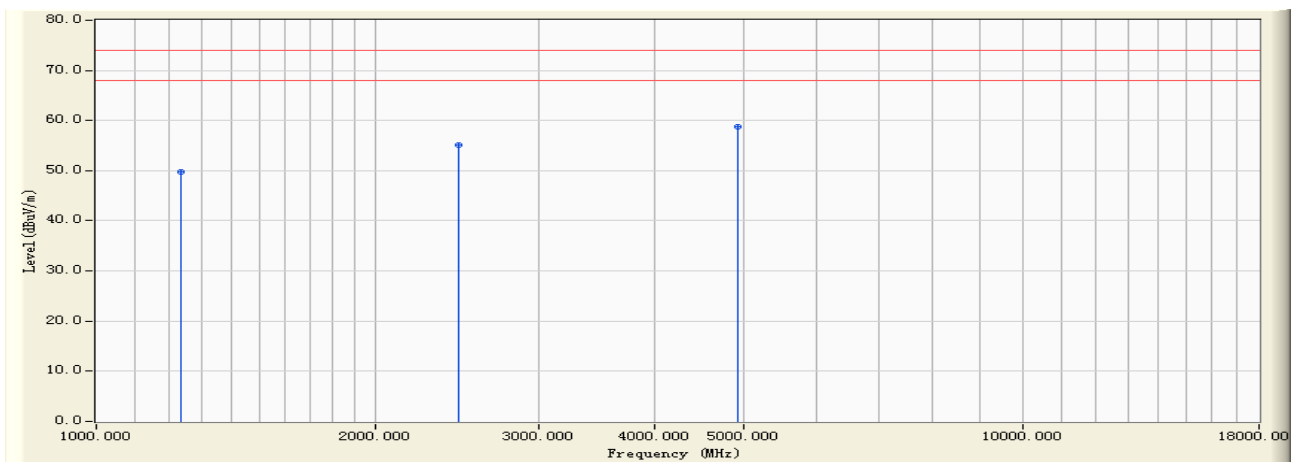
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1233.540	-5.601	44.670	39.069	-14.931	54.000	AVERAGE
2		2462.150	0.600	42.580	43.180	-10.820	54.000	AVERAGE
3	*	4926.330	7.570	38.690	46.260	-7.740	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:23
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2462MHz)



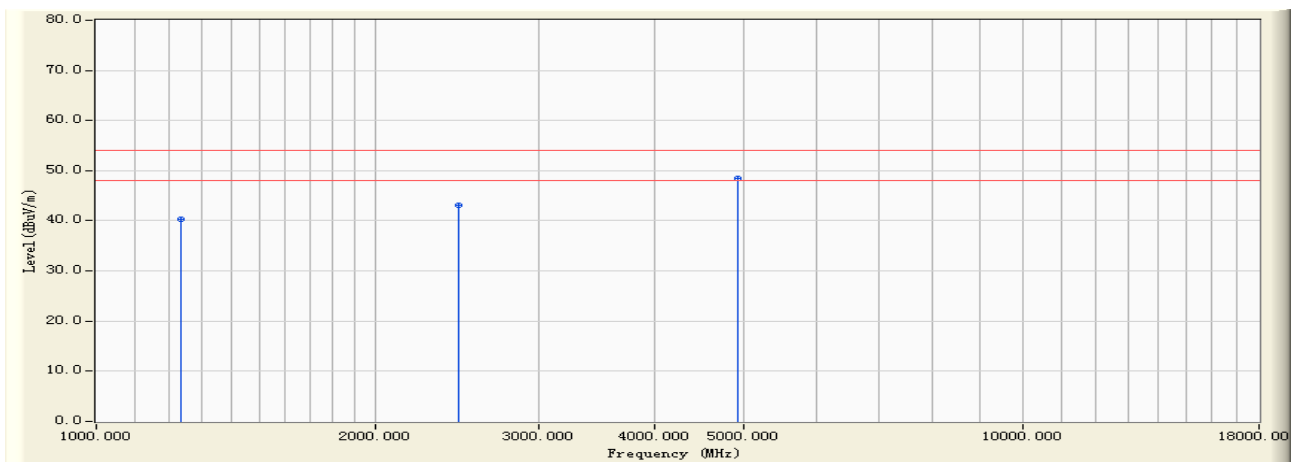
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1233.540	-5.601	55.390	49.789	-24.211	74.000	PEAK
2		2462.150	0.600	54.430	55.030	-18.970	74.000	PEAK
3	*	4925.660	7.569	51.270	58.838	-15.162	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:23
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2462MHz)



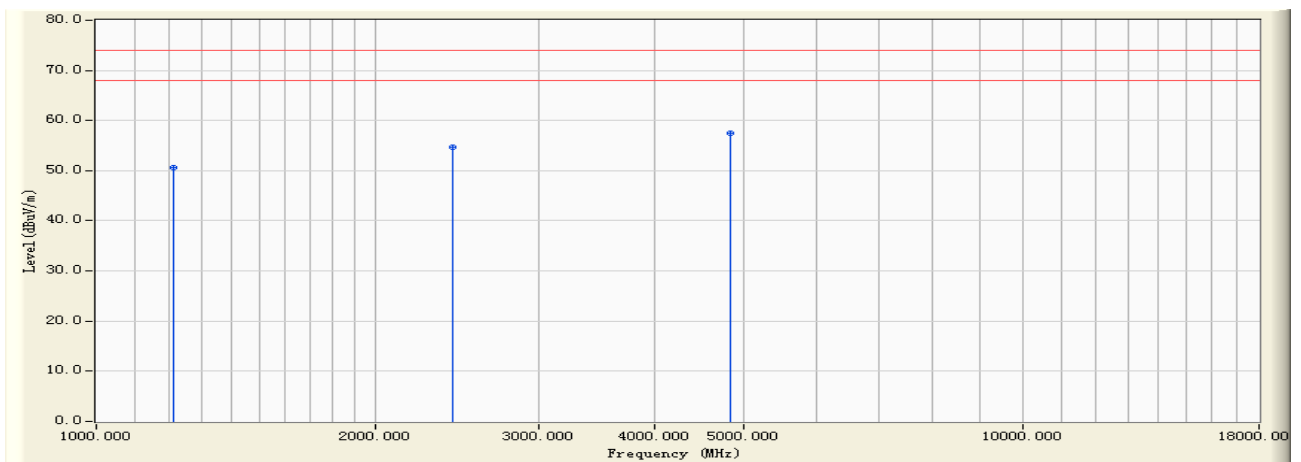
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1233.540	-5.601	45.860	40.259	-13.741	54.000	AVERAGE
2		2462.150	0.600	42.570	43.170	-10.830	54.000	AVERAGE
3	*	4925.660	7.569	40.830	48.398	-5.602	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:24
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2422MHz)



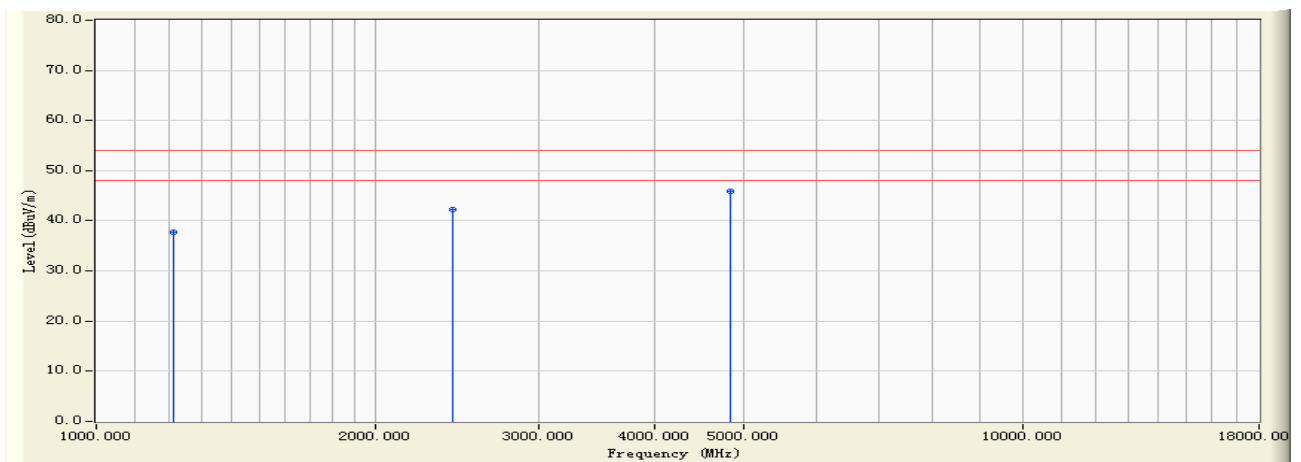
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1213.540	-5.819	56.520	50.701	-23.299	74.000	PEAK
2		2422.150	0.462	54.280	54.743	-19.257	74.000	PEAK
3	*	4844.360	7.389	50.190	57.580	-16.420	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:24
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2422MHz)



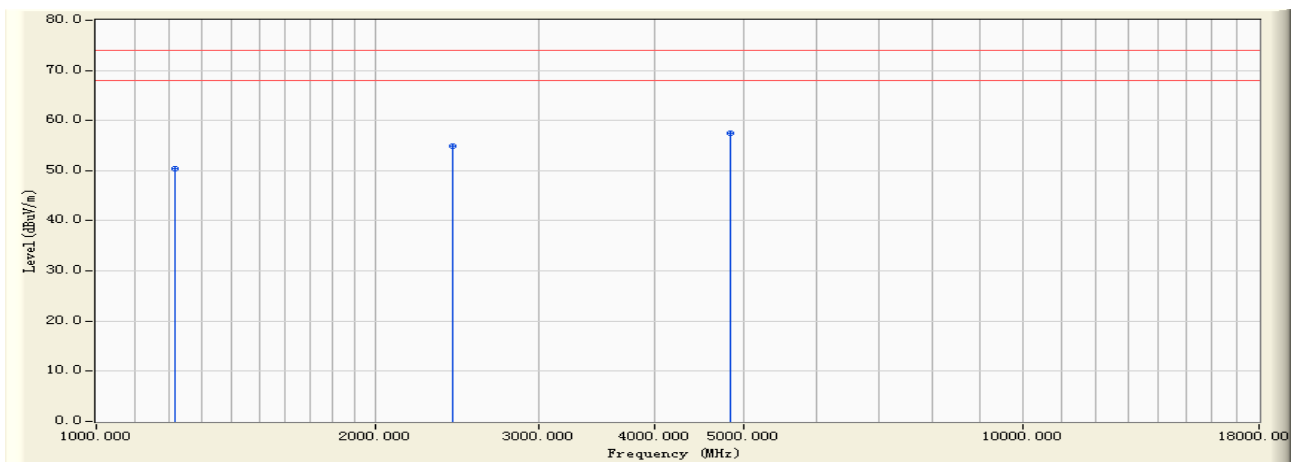
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1213.540	-5.819	43.570	37.751	-16.249	54.000	AVERAGE
2		2422.150	0.462	41.890	42.353	-11.647	54.000	AVERAGE
3	*	4844.360	7.389	38.520	45.910	-8.090	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:26
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2422MHz)



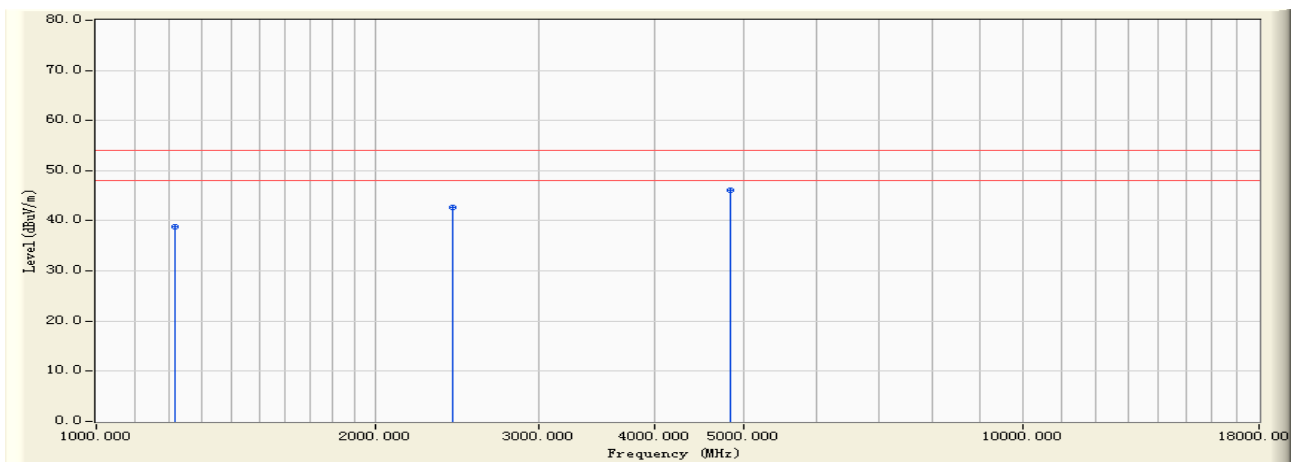
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1214.580	-5.809	56.290	50.482	-23.518	74.000	PEAK
2		2422.630	0.465	54.370	54.835	-19.165	74.000	PEAK
3	*	4845.380	7.392	50.180	57.572	-16.428	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/17 - 22:26
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2422MHz)



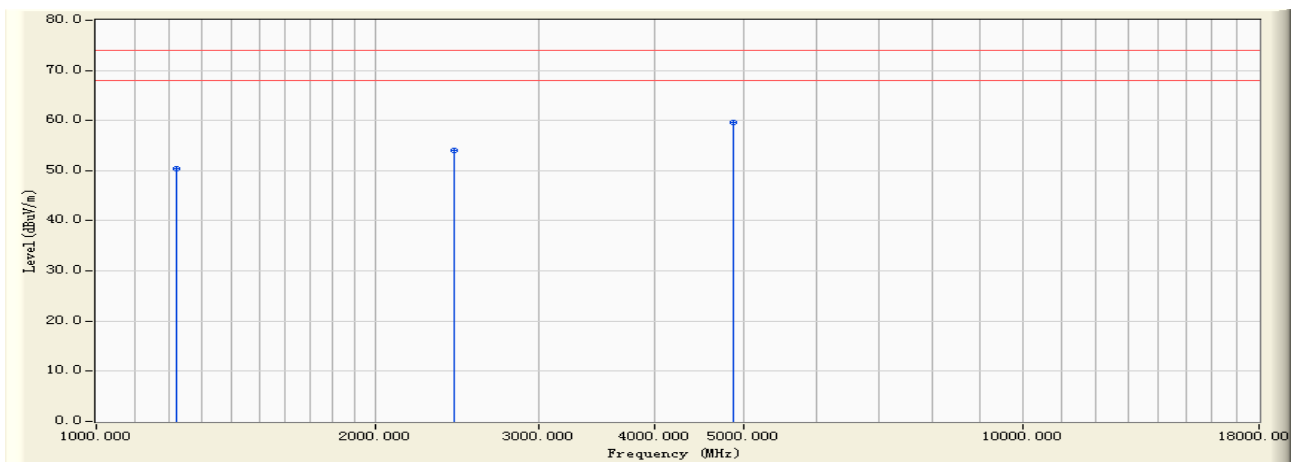
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1214.580	-5.809	44.590	38.782	-15.218	54.000	AVERAGE
2		2422.630	0.465	42.170	42.635	-11.365	54.000	AVERAGE
3	*	4845.380	7.392	38.620	46.012	-7.988	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:48
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2437MHz)



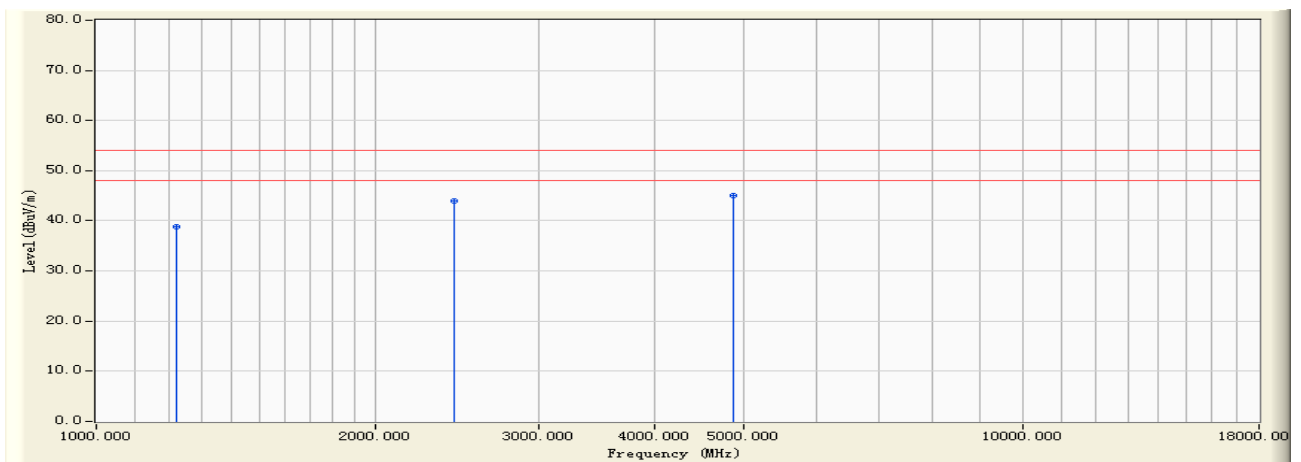
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1219.350	-5.759	56.250	50.492	-23.508	74.000	PEAK
2		2438.010	0.512	53.590	54.102	-19.898	74.000	PEAK
3	*	4875.160	7.459	52.180	59.639	-14.361	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:48
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2437MHz)



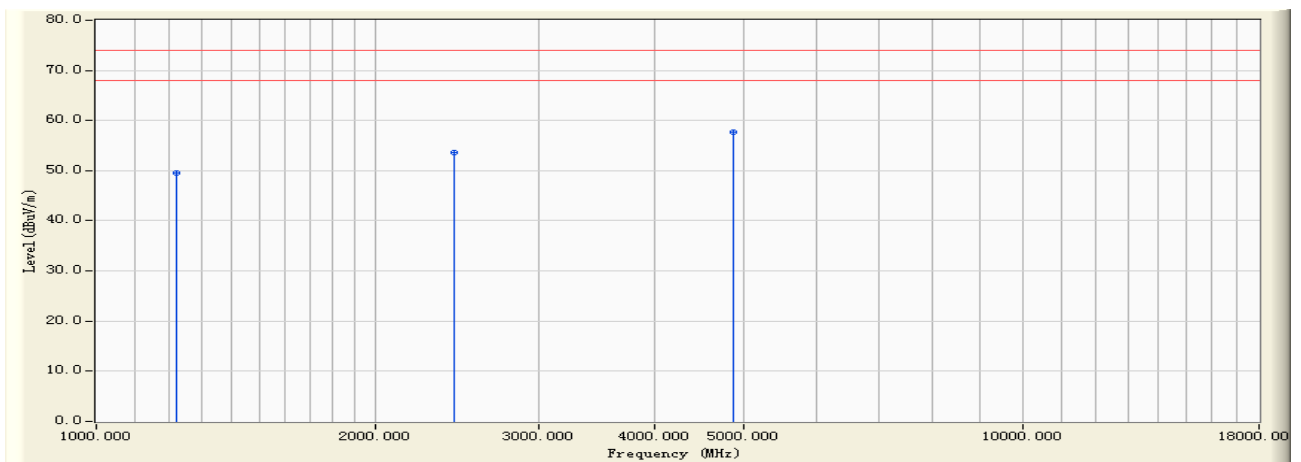
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1219.350	-5.759	44.510	38.752	-15.248	54.000	AVERAGE
2		2438.010	0.512	43.520	44.032	-9.968	54.000	AVERAGE
3	*	4875.160	7.459	37.630	45.089	-8.911	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:49
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2437MHz)



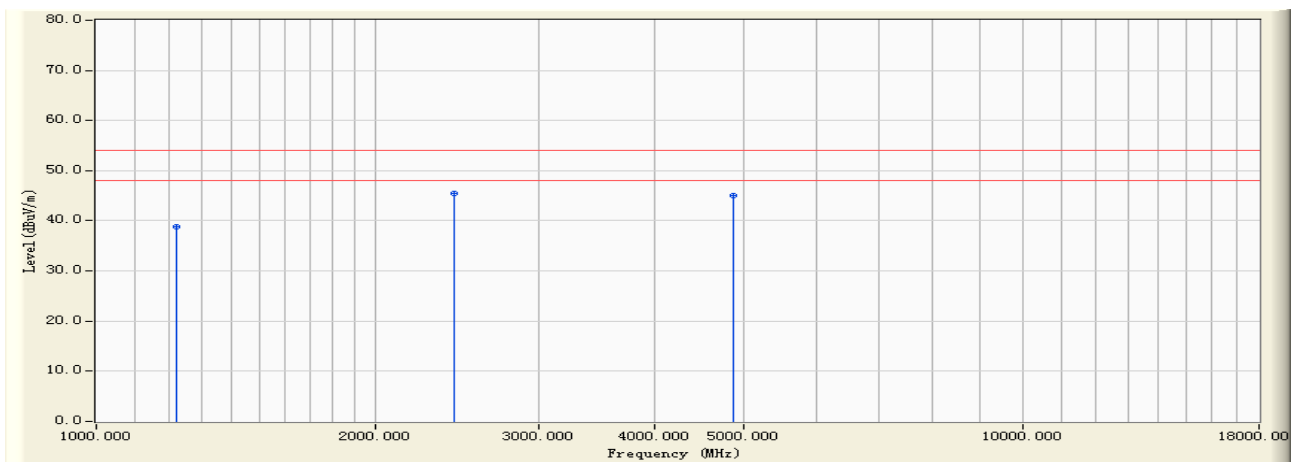
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1220.360	-5.748	55.340	49.592	-24.408	74.000	PEAK
2		2437.060	0.509	53.180	53.689	-20.311	74.000	PEAK
3	*	4875.690	7.461	50.180	57.640	-16.360	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:49
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2437MHz)



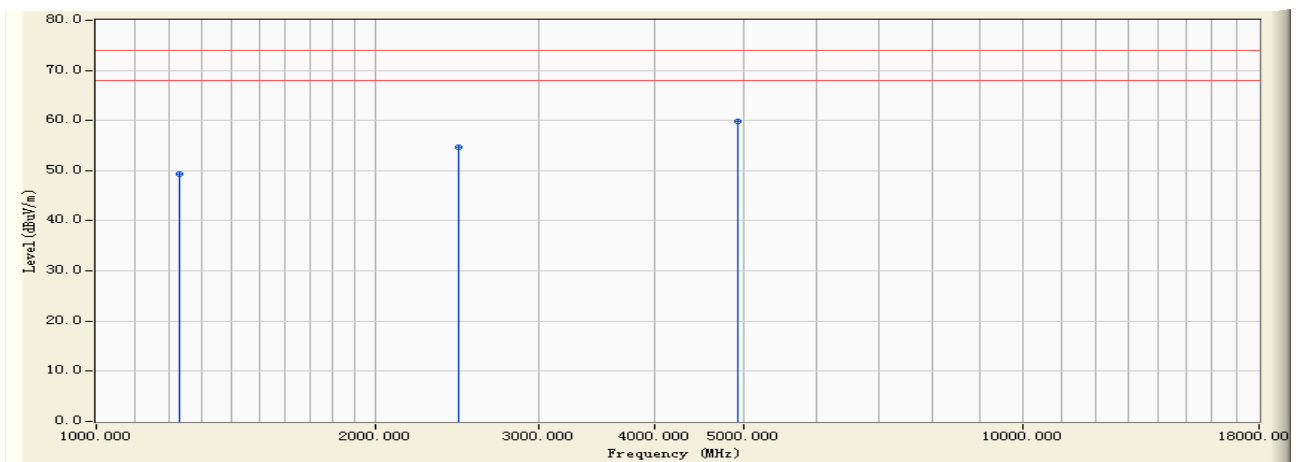
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1220.360	-5.748	44.560	38.812	-15.188	54.000	AVERAGE
2	*	2437.060	0.509	44.890	45.399	-8.601	54.000	AVERAGE
3		4875.690	7.461	37.540	45.000	-9.000	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:50
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2452MHz)



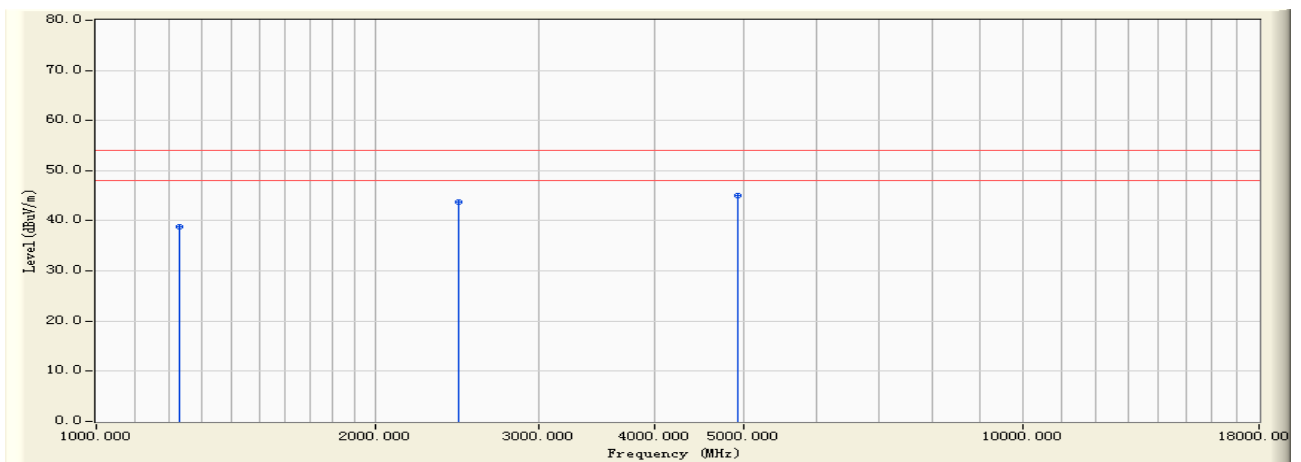
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1228.650	-5.657	55.030	49.373	-24.627	74.000	PEAK
2		2462.320	0.601	54.120	54.721	-19.279	74.000	PEAK
3	*	4926.370	7.570	52.170	59.740	-14.260	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:50
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2452MHz)



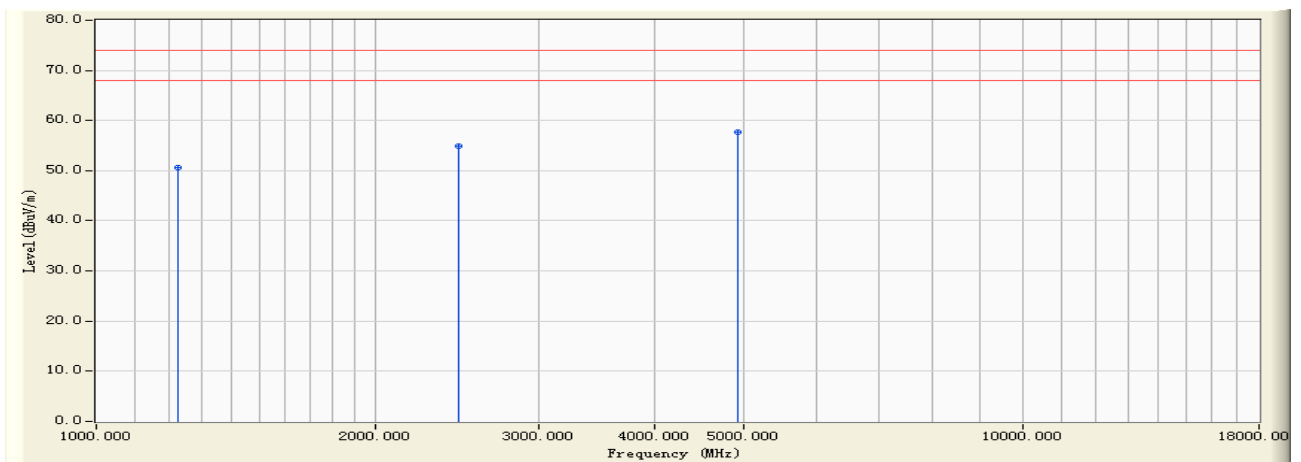
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1228.650	-5.657	44.570	38.913	-15.087	54.000	AVERAGE
2		2462.320	0.601	43.160	43.761	-10.239	54.000	AVERAGE
3	*	4926.370	7.570	37.540	45.110	-8.890	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:51
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2452MHz)



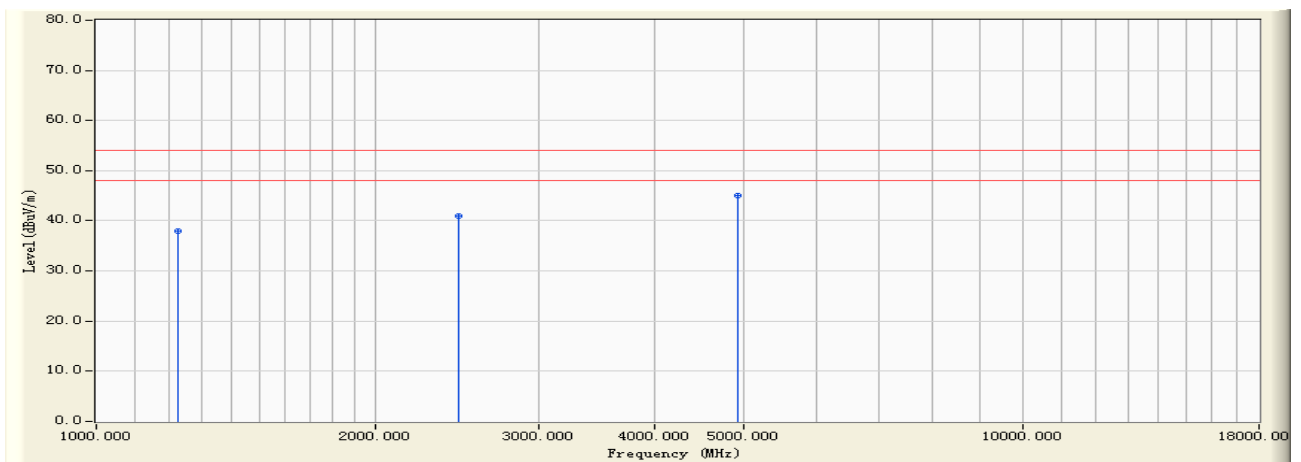
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1225.330	-5.693	56.340	50.647	-23.353	74.000	PEAK
2		2462.050	0.600	54.200	54.800	-19.200	74.000	PEAK
3	*	4926.300	7.570	50.170	57.740	-16.260	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:51
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2452MHz)



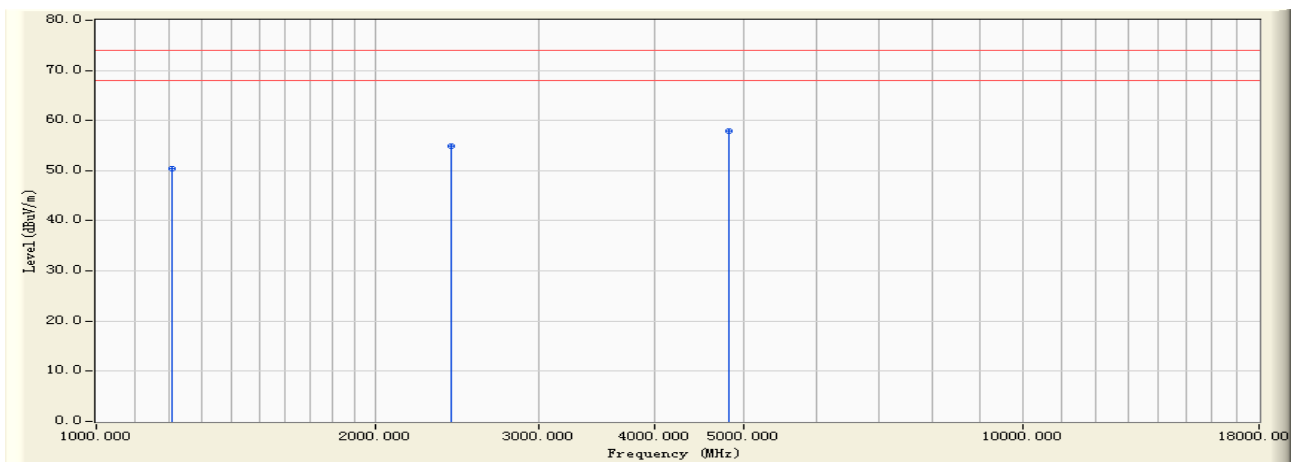
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1225.330	-5.693	43.570	37.877	-16.123	54.000	AVERAGE
2		2462.050	0.600	40.290	40.890	-13.110	54.000	AVERAGE
3	*	4926.300	7.570	37.410	44.980	-9.020	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:52
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2412MHz)



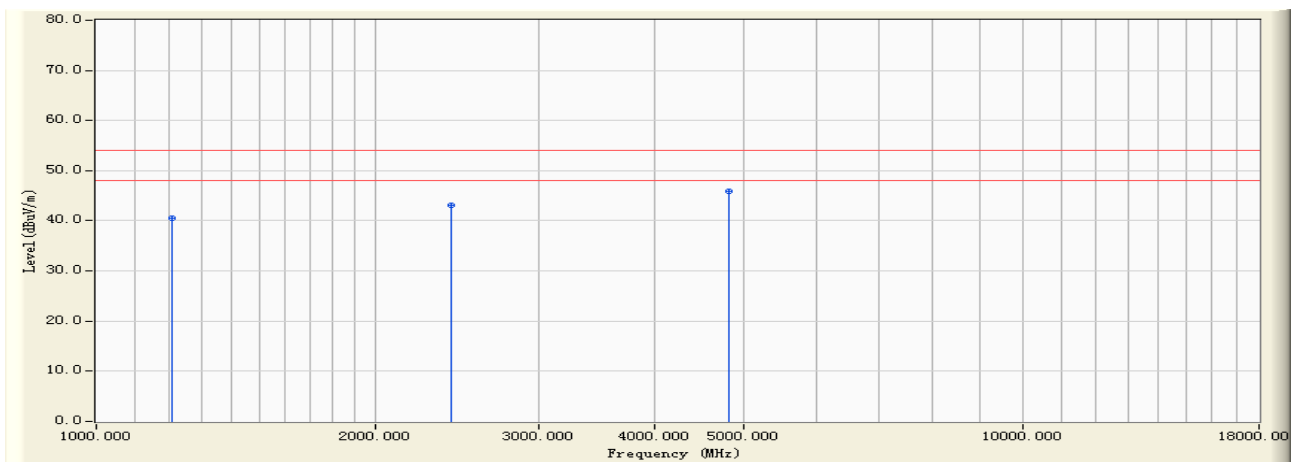
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1208.570	-5.871	56.340	50.469	-23.531	74.000	PEAK
2		2412.150	0.428	54.580	55.009	-18.991	74.000	PEAK
3	*	4825.460	7.351	50.460	57.811	-16.189	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:52
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2412MHz)



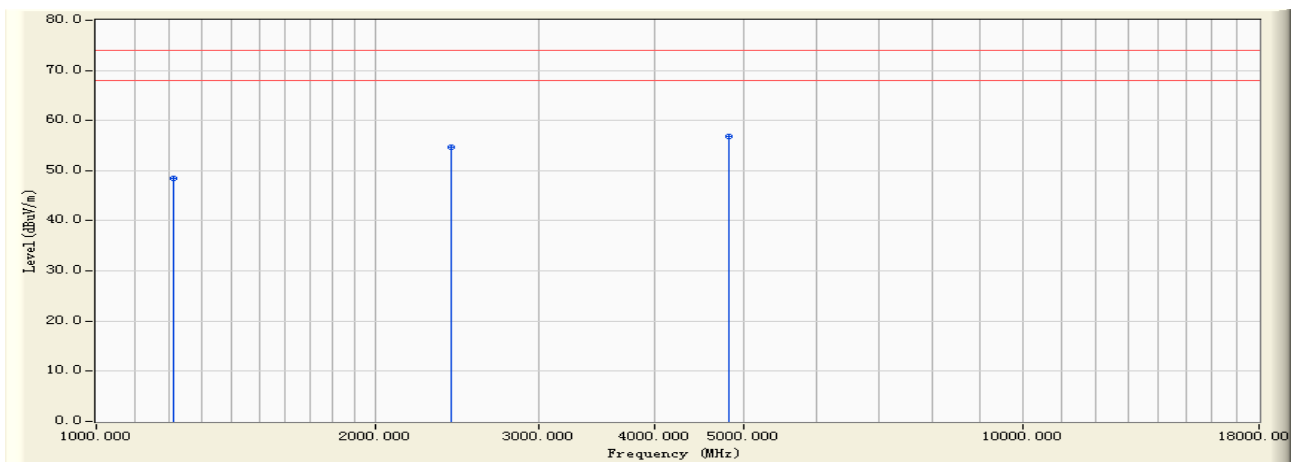
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1208.570	-5.871	46.510	40.639	-13.361	54.000	AVERAGE
2		2412.150	0.428	42.590	43.019	-10.981	54.000	AVERAGE
3	*	4825.460	7.351	38.620	45.971	-8.029	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:53
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2412MHz)



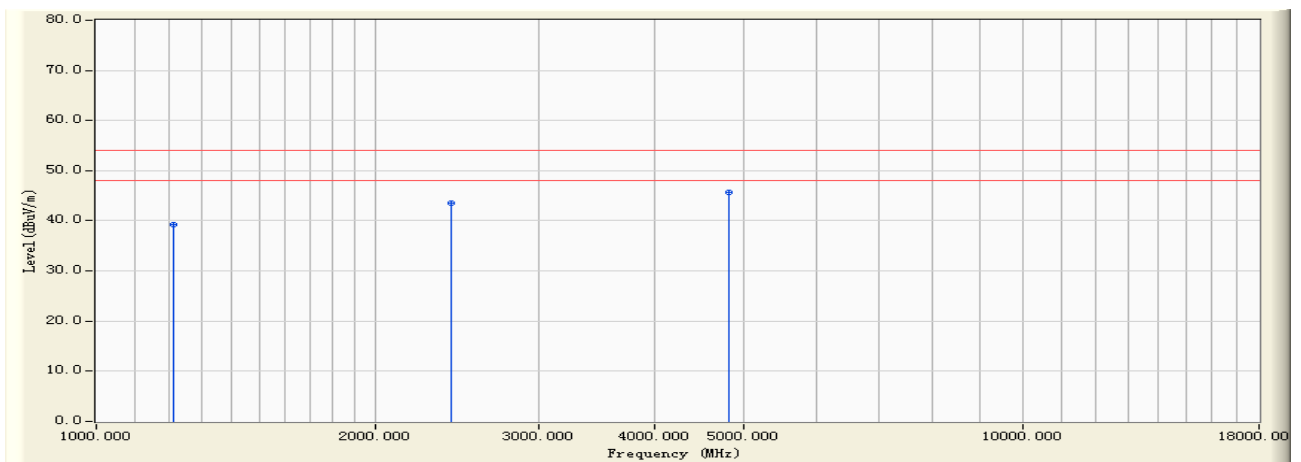
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1210.370	-5.853	54.260	48.408	-25.592	74.000	PEAK
2		2412.050	0.428	54.280	54.709	-19.291	74.000	PEAK
3	*	4825.060	7.350	49.570	56.920	-17.080	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:53
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2412MHz)



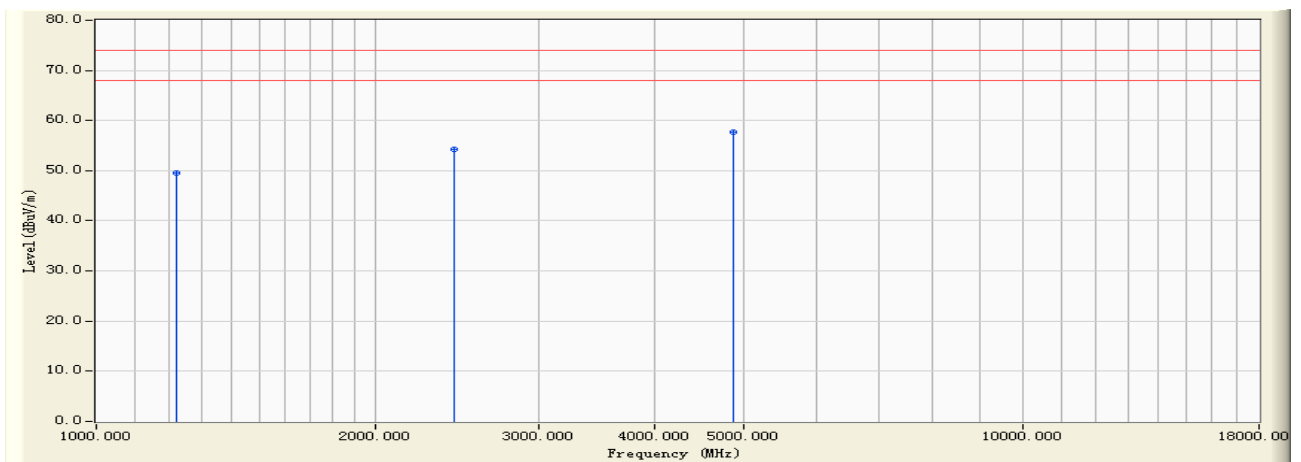
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1210.370	-5.853	45.020	39.168	-14.832	54.000	AVERAGE
2		2412.050	0.428	43.180	43.609	-10.391	54.000	AVERAGE
3	*	4825.060	7.350	38.410	45.760	-8.240	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:55
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2437MHz)



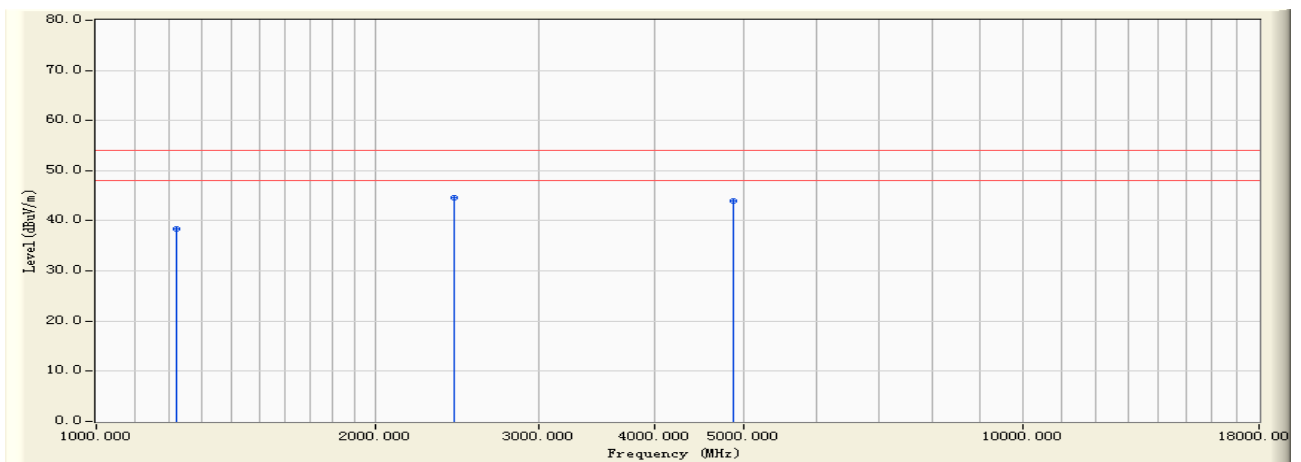
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1220.500	-5.747	55.320	49.574	-24.426	74.000	PEAK
2		2437.060	0.509	53.800	54.309	-19.691	74.000	PEAK
3	*	4875.200	7.459	50.190	57.649	-16.351	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:55
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2437MHz)



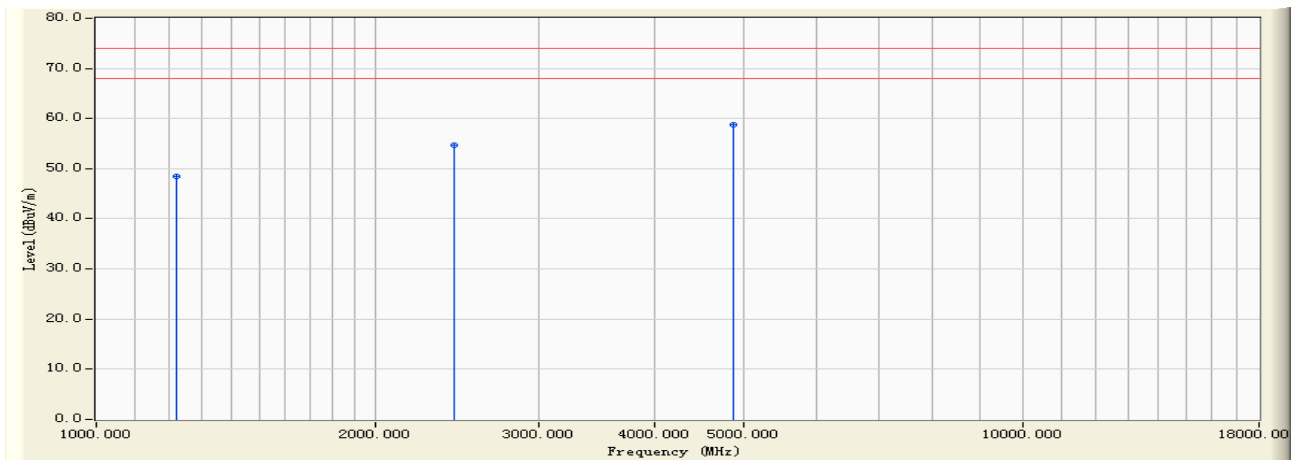
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1220.500	-5.747	44.230	38.484	-15.516	54.000	AVERAGE
2	*	2437.060	0.509	44.170	44.679	-9.321	54.000	AVERAGE
3		4875.200	7.459	36.530	43.989	-10.011	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:56
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2437MHz)



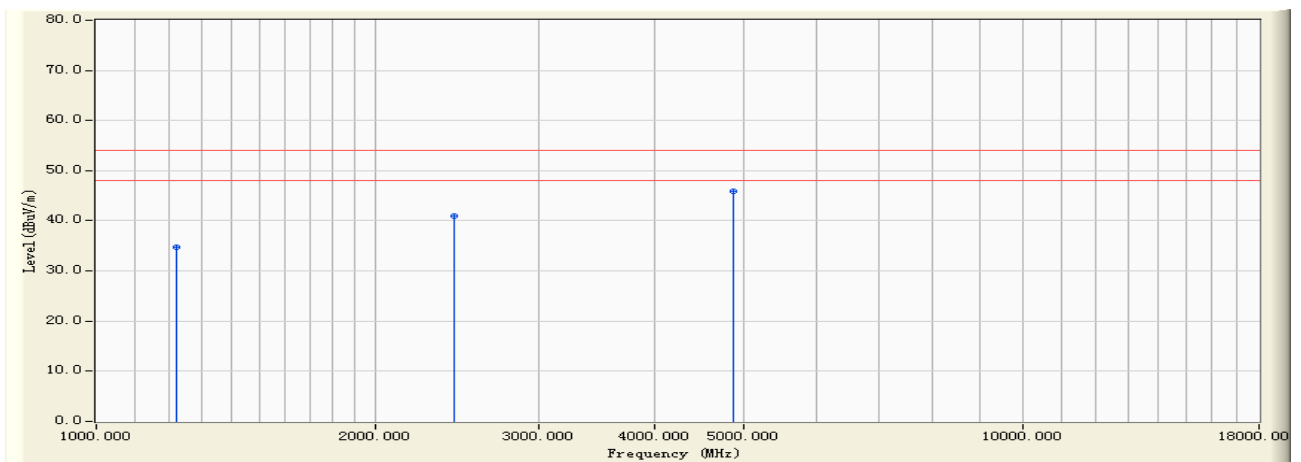
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1219.360	-5.759	54.290	48.532	-25.468	74.000	PEAK
2		2437.040	0.509	54.230	54.739	-19.261	74.000	PEAK
3	*	4876.340	7.462	51.260	58.722	-15.278	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:56
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2437MHz)



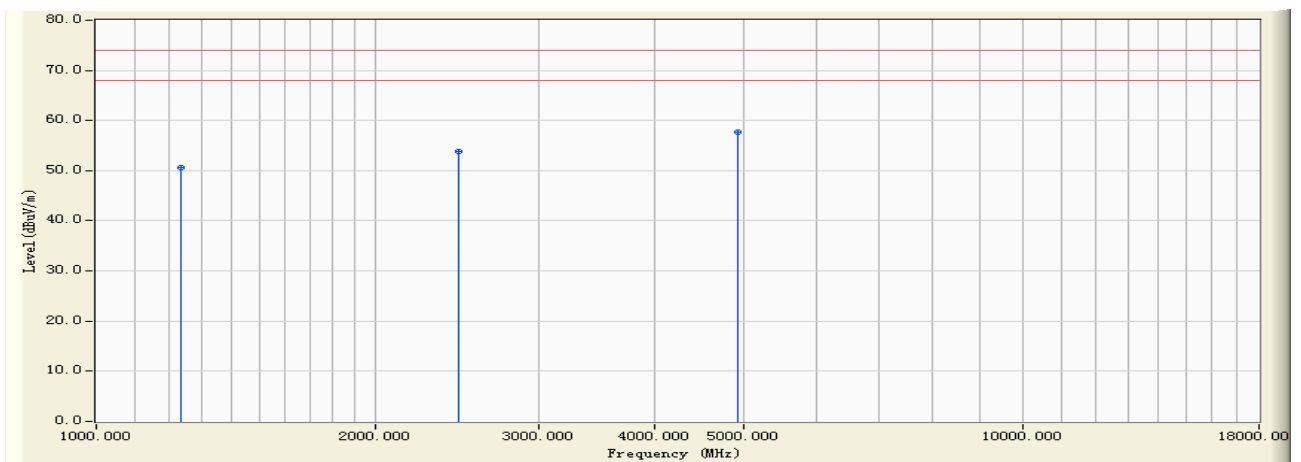
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1219.360	-5.759	40.570	34.812	-19.188	54.000	AVERAGE
2		2437.040	0.509	40.560	41.069	-12.931	54.000	AVERAGE
3	*	4876.340	7.462	38.520	45.982	-8.018	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:58
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2462MHz)



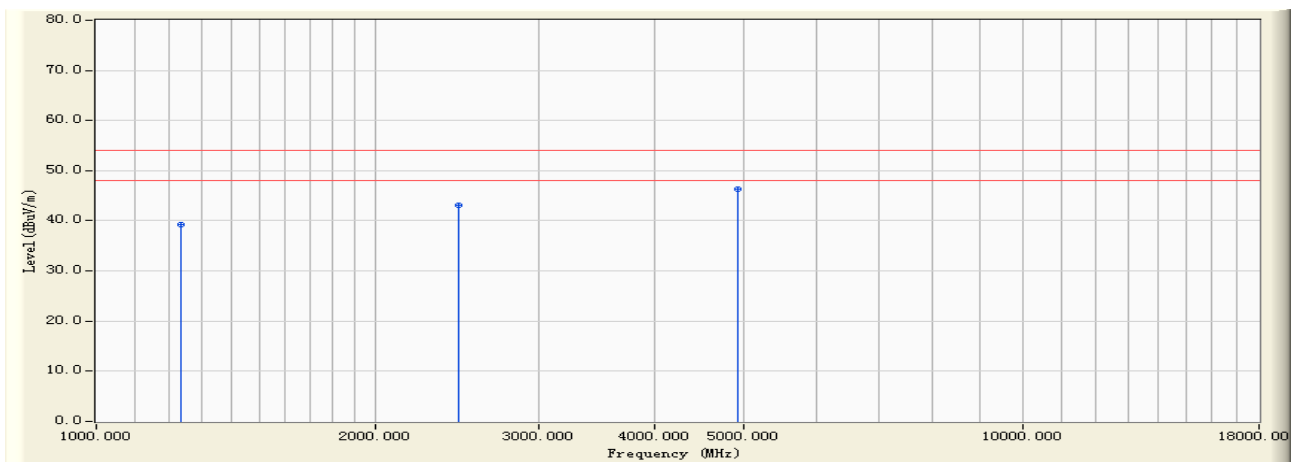
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1233.570	-5.601	56.320	50.719	-23.281	74.000	PEAK
2		2462.140	0.600	53.240	53.840	-20.160	74.000	PEAK
3	*	4926.370	7.570	50.140	57.710	-16.290	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:58
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2462MHz)



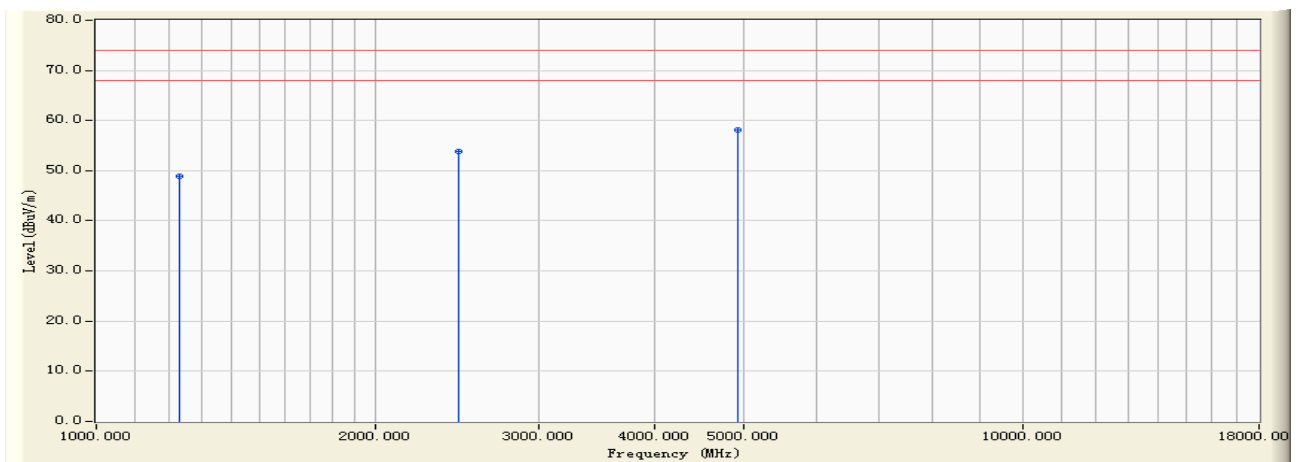
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1233.570	-5.601	44.760	39.159	-14.841	54.000	AVERAGE
2		2462.140	0.600	42.590	43.190	-10.810	54.000	AVERAGE
3	*	4926.370	7.570	38.650	46.220	-7.780	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:59
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2462MHz)



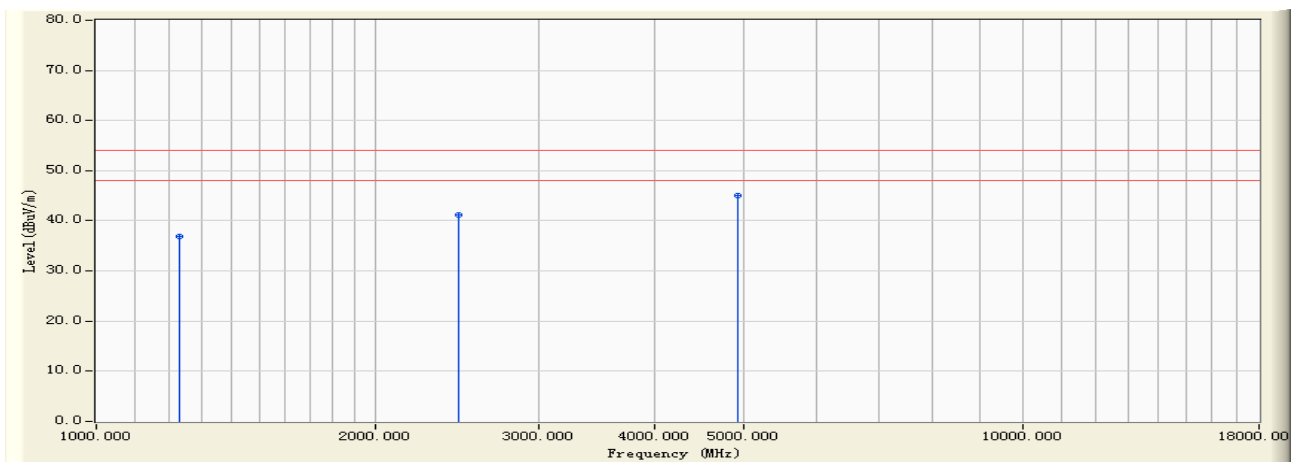
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1228.630	-5.657	54.530	48.873	-25.127	74.000	PEAK
2		2462.070	0.600	53.260	53.860	-20.140	74.000	PEAK
3	*	4926.340	7.570	50.460	58.030	-15.970	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 15:59
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2462MHz)



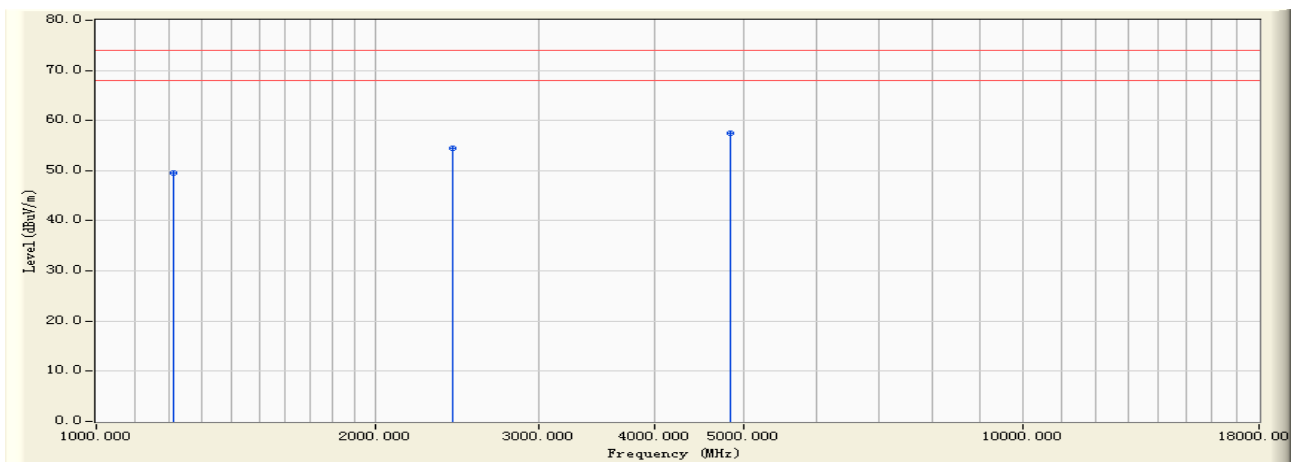
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1228.630	-5.657	42.590	36.933	-17.067	54.000	AVERAGE
2		2462.070	0.600	40.500	41.100	-12.900	54.000	AVERAGE
3	*	4926.340	7.570	37.460	45.030	-8.970	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:01
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2422MHz)



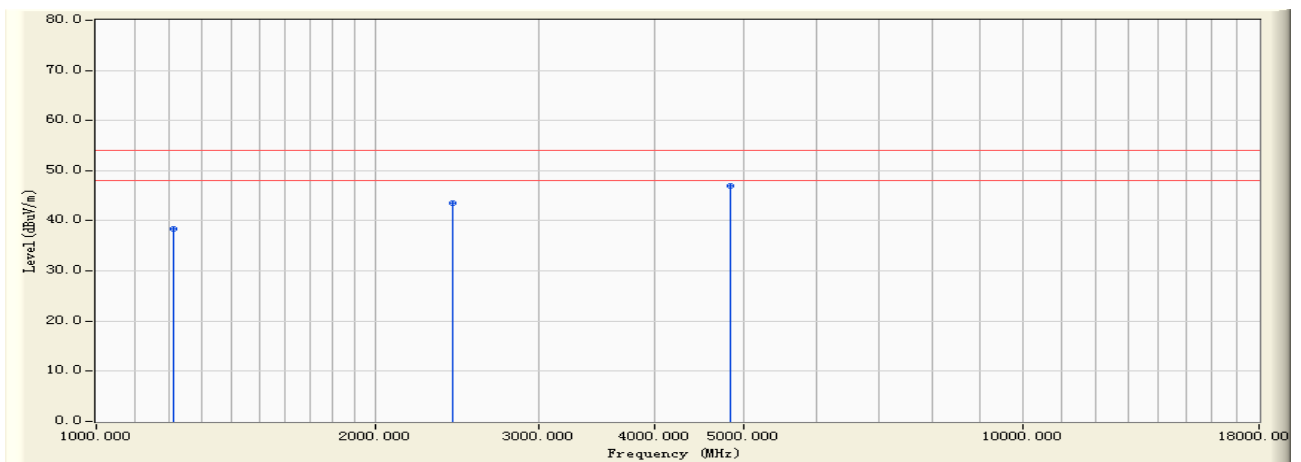
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1213.570	-5.819	55.360	49.541	-24.459	74.000	PEAK
2		2422.050	0.463	54.030	54.493	-19.507	74.000	PEAK
3	*	4845.610	7.392	50.190	57.583	-16.417	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:01
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2422MHz)



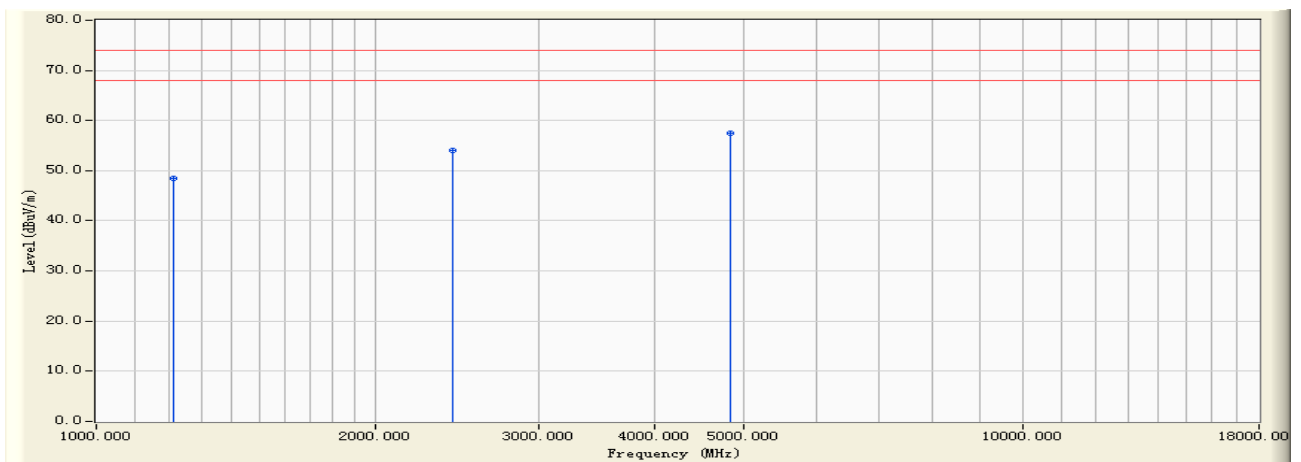
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1213.570	-5.819	44.260	38.441	-15.559	54.000	AVERAGE
2		2422.050	0.463	43.050	43.513	-10.487	54.000	AVERAGE
3	*	4845.610	7.392	39.520	46.913	-7.087	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:02
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2422MHz)



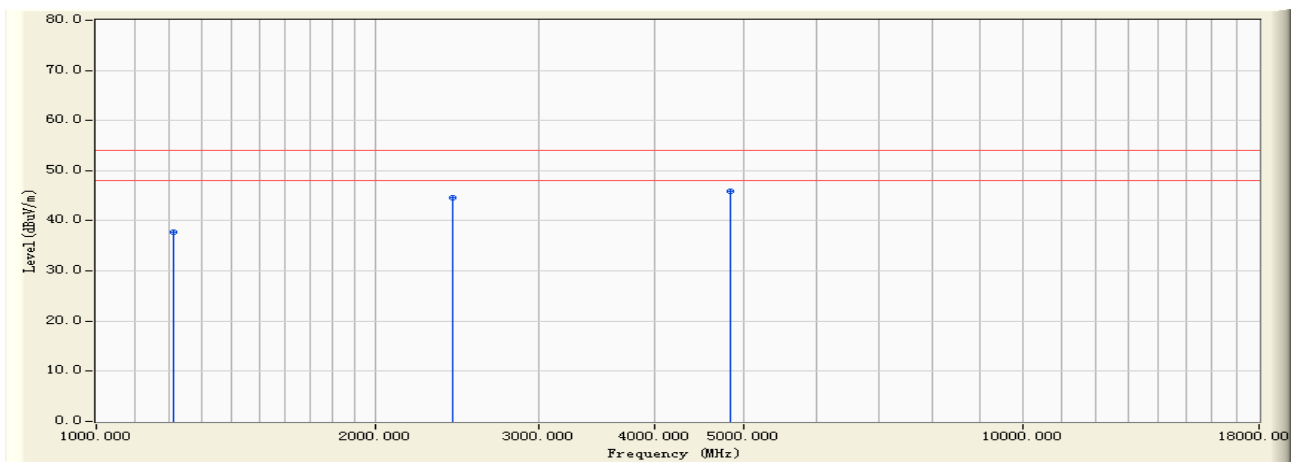
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1213.260	-5.822	54.350	48.528	-25.472	74.000	PEAK
2		2423.060	0.466	53.680	54.146	-19.854	74.000	PEAK
3	*	4844.150	7.389	50.160	57.549	-16.451	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:02
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2422MHz)



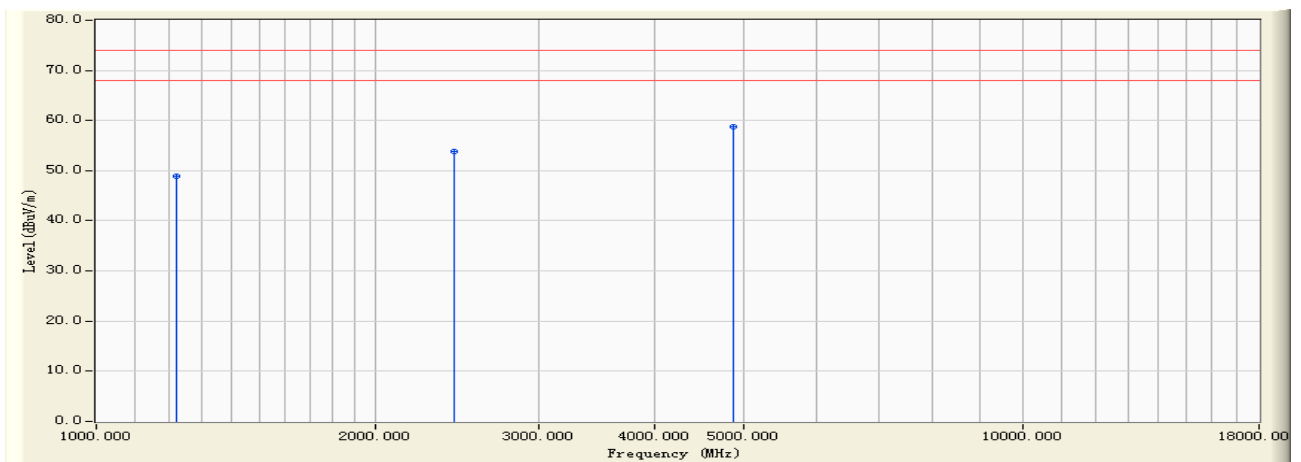
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1213.260	-5.822	43.580	37.758	-16.242	54.000	AVERAGE
2		2423.060	0.466	44.170	44.636	-9.364	54.000	AVERAGE
3	*	4844.150	7.389	38.560	45.949	-8.051	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:03
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2437MHz)



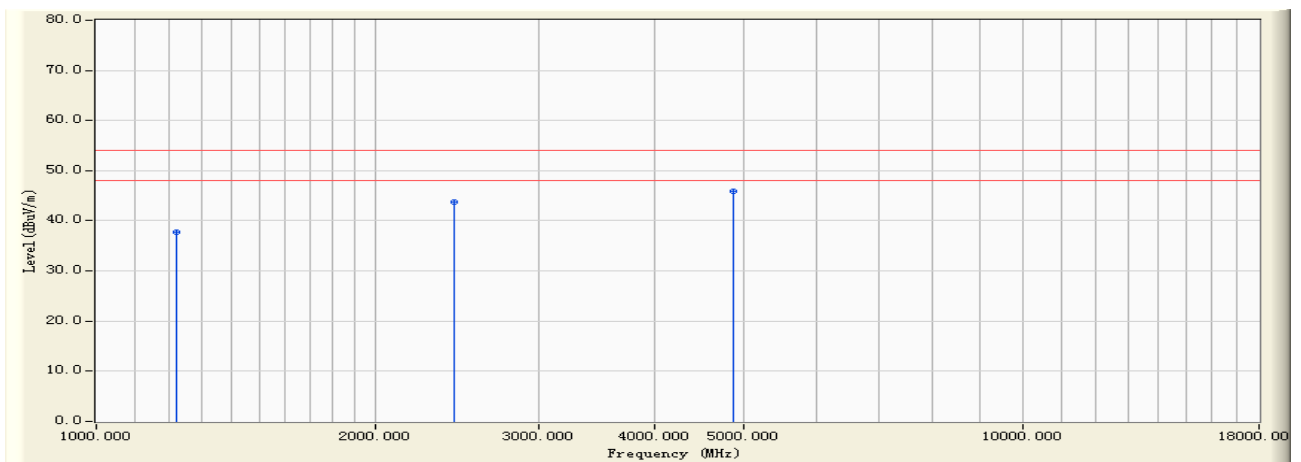
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1220.350	-5.748	54.690	48.942	-25.058	74.000	PEAK
2		2437.060	0.509	53.260	53.769	-20.231	74.000	PEAK
3	*	4876.240	7.461	51.290	58.751	-15.249	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:03
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2437MHz)



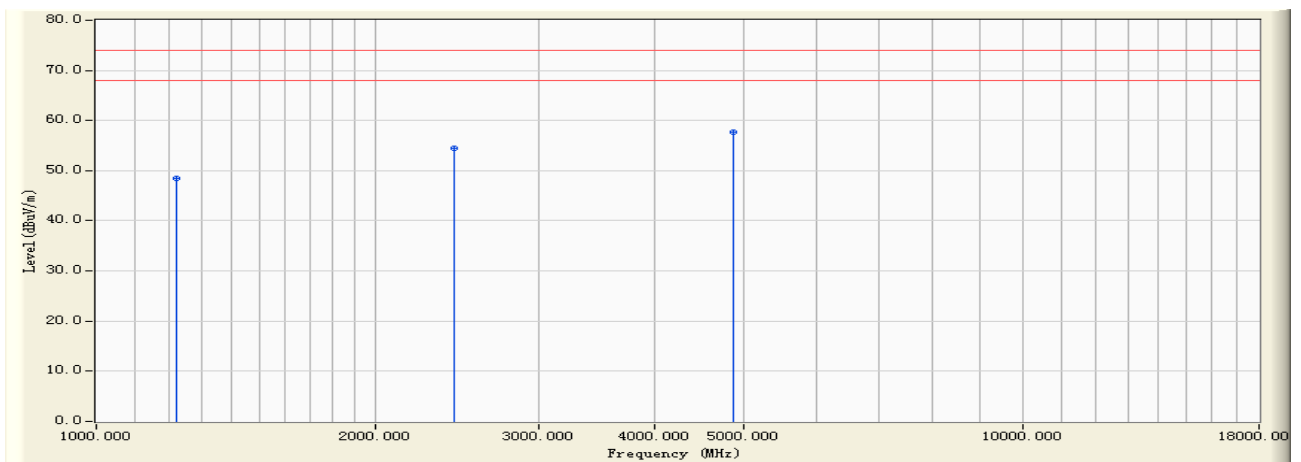
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1220.350	-5.748	43.570	37.822	-16.178	54.000	AVERAGE
2		2437.060	0.509	43.240	43.749	-10.251	54.000	AVERAGE
3	*	4876.240	7.461	38.520	45.981	-8.019	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:05
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2437MHz)



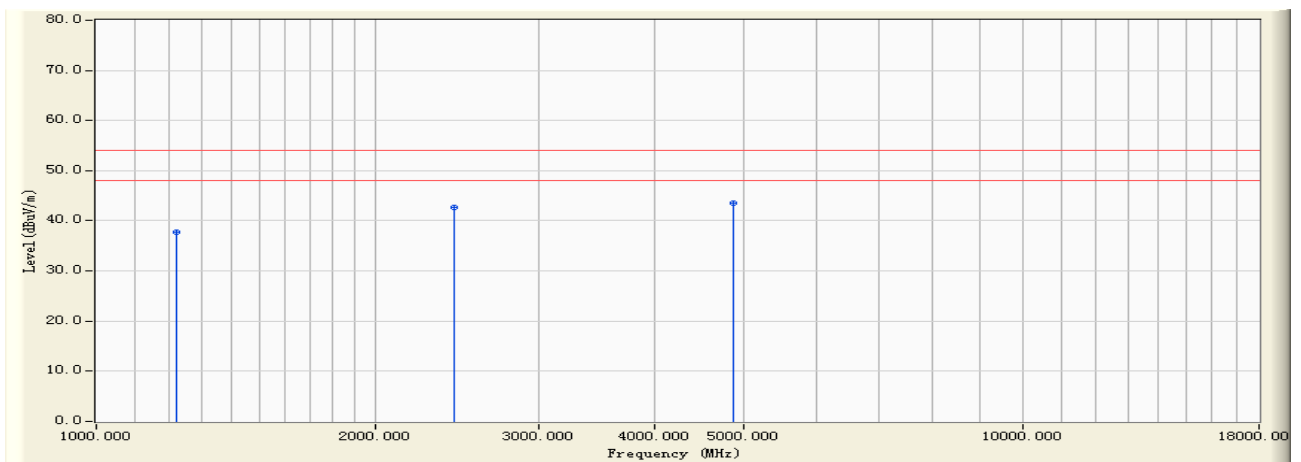
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1220.360	-5.748	54.290	48.542	-25.458	74.000	PEAK
2		2437.500	0.510	53.860	54.371	-19.629	74.000	PEAK
3	*	4875.140	7.459	50.180	57.639	-16.361	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:05
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2437MHz)



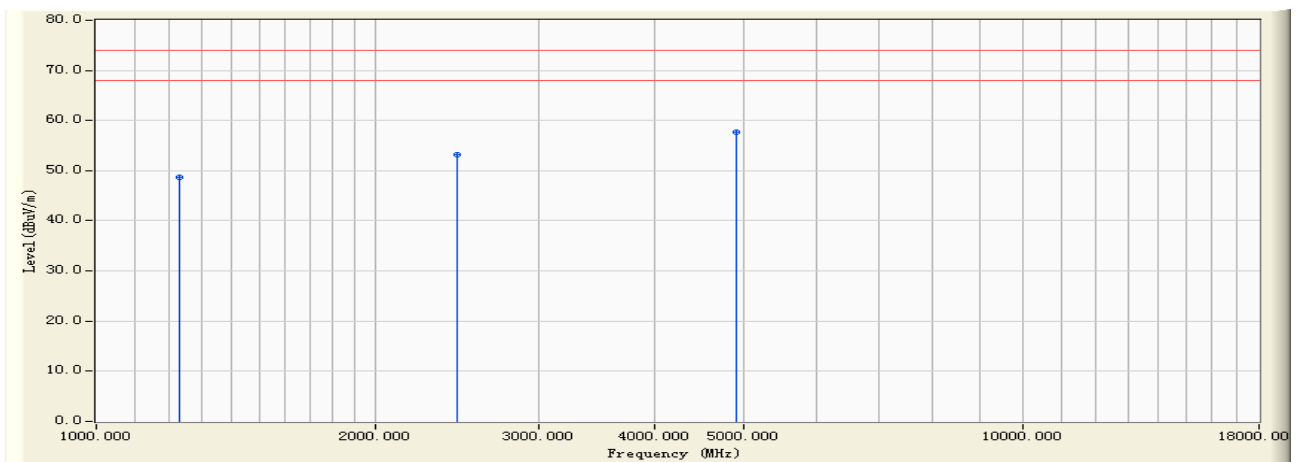
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1220.360	-5.748	43.590	37.842	-16.158	54.000	AVERAGE
2		2437.500	0.510	42.180	42.691	-11.309	54.000	AVERAGE
3	*	4875.140	7.459	36.160	43.619	-10.381	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:06
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2452MHz)



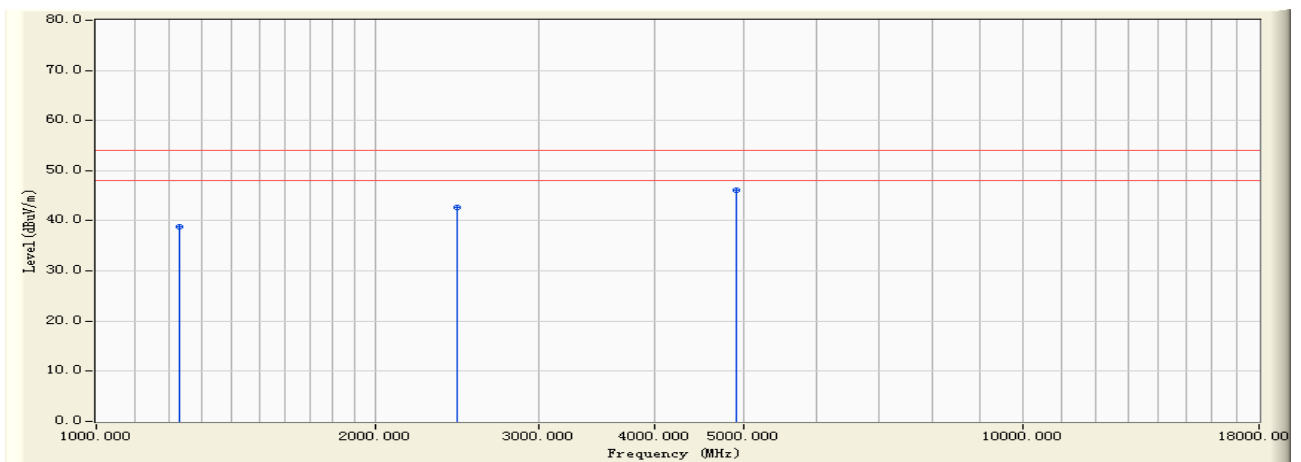
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1228.630	-5.657	54.290	48.633	-25.367	74.000	PEAK
2		2452.130	0.560	52.680	53.240	-20.760	74.000	PEAK
3	*	4905.630	7.527	50.230	57.757	-16.243	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:06
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2452MHz)



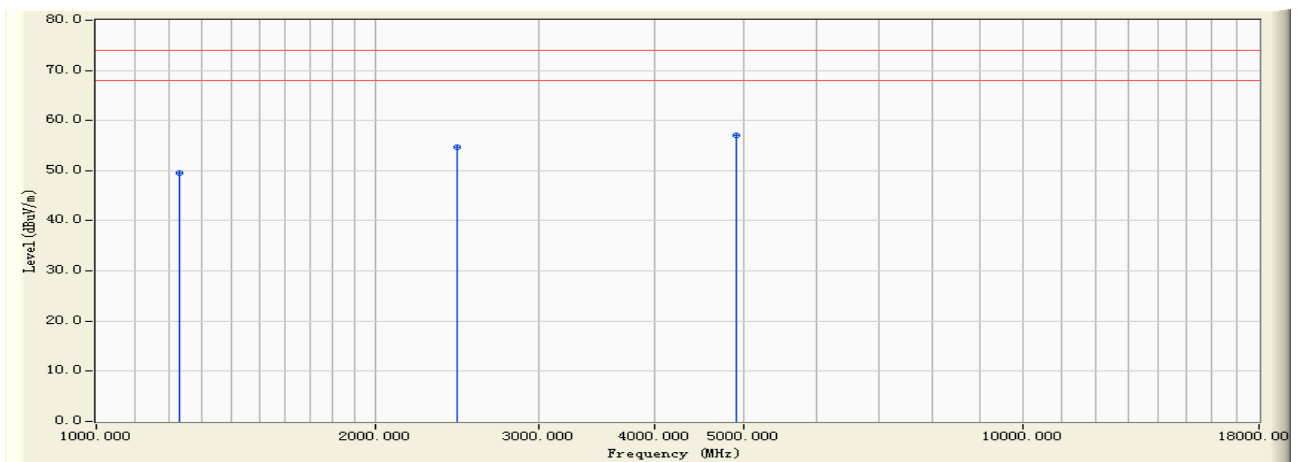
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1228.630	-5.657	44.570	38.913	-15.087	54.000	AVERAGE
2		2452.130	0.560	42.180	42.740	-11.260	54.000	AVERAGE
3	*	4905.630	7.527	38.540	46.067	-7.933	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:07
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2452MHz)



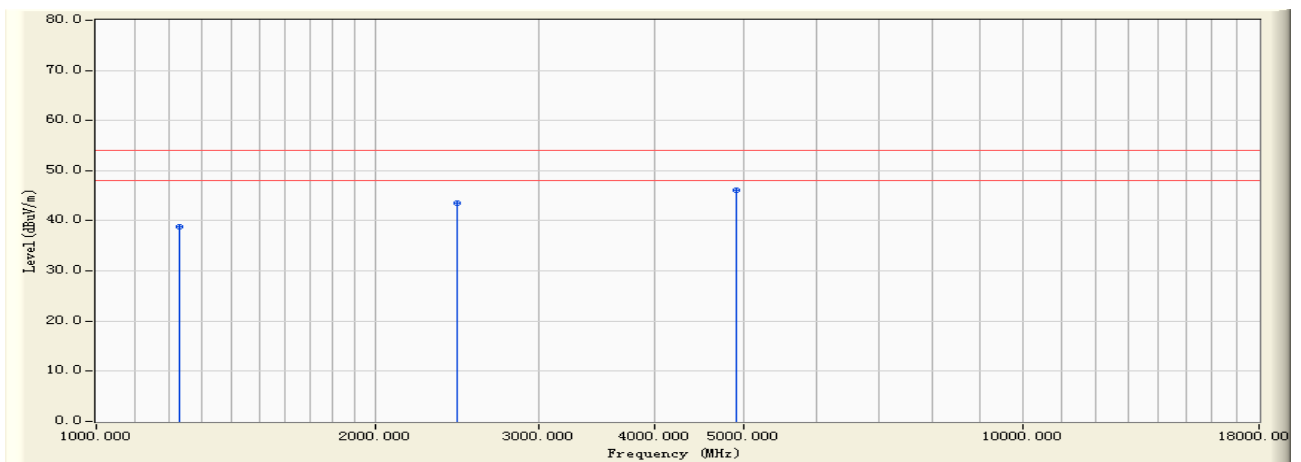
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1227.560	-5.669	55.310	49.641	-24.359	74.000	PEAK
2		2452.050	0.560	54.230	54.790	-19.210	74.000	PEAK
3	*	4906.310	7.529	49.580	57.108	-16.892	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:07
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2452MHz)



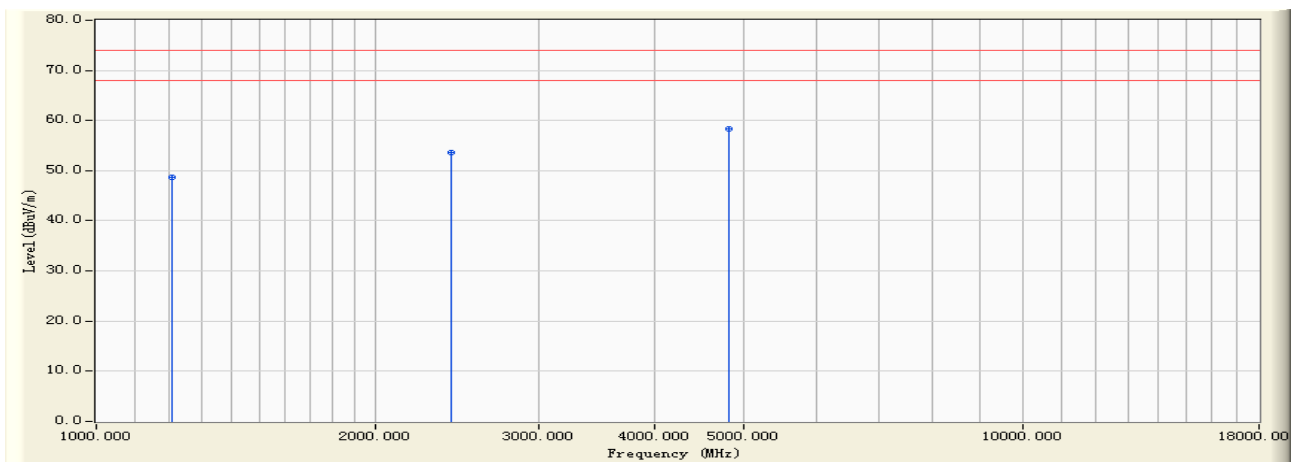
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1227.560	-5.669	44.580	38.911	-15.089	54.000	AVERAGE
2		2452.050	0.560	43.060	43.620	-10.380	54.000	AVERAGE
3	*	4906.310	7.529	38.510	46.038	-7.962	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:10
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2412MHz)



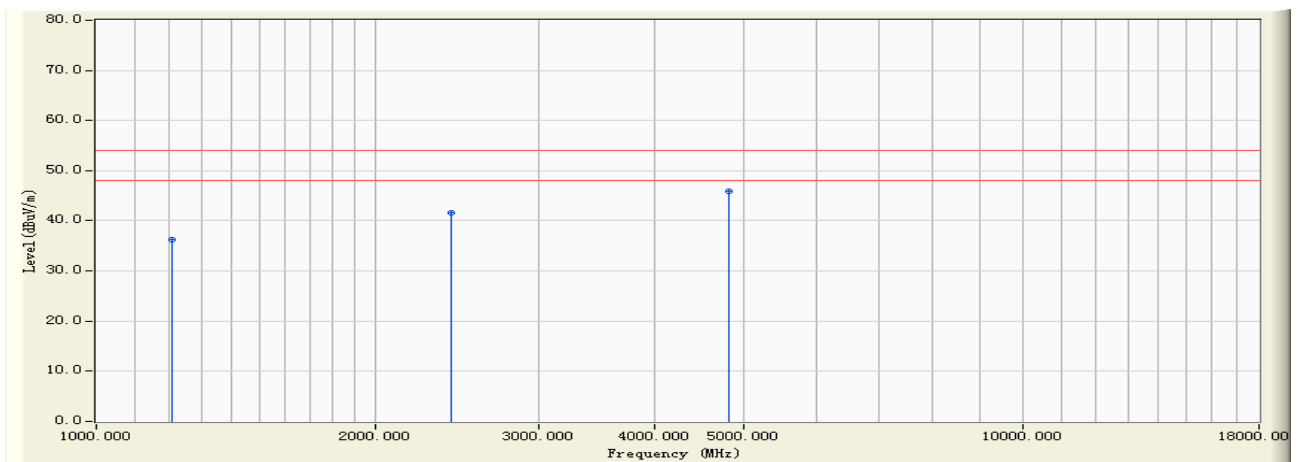
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1208.630	-5.871	54.580	48.710	-25.290	74.000	PEAK
2		2412.340	0.429	53.290	53.720	-20.280	74.000	PEAK
3	*	4824.170	7.348	50.950	58.298	-15.702	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:10
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2412MHz)



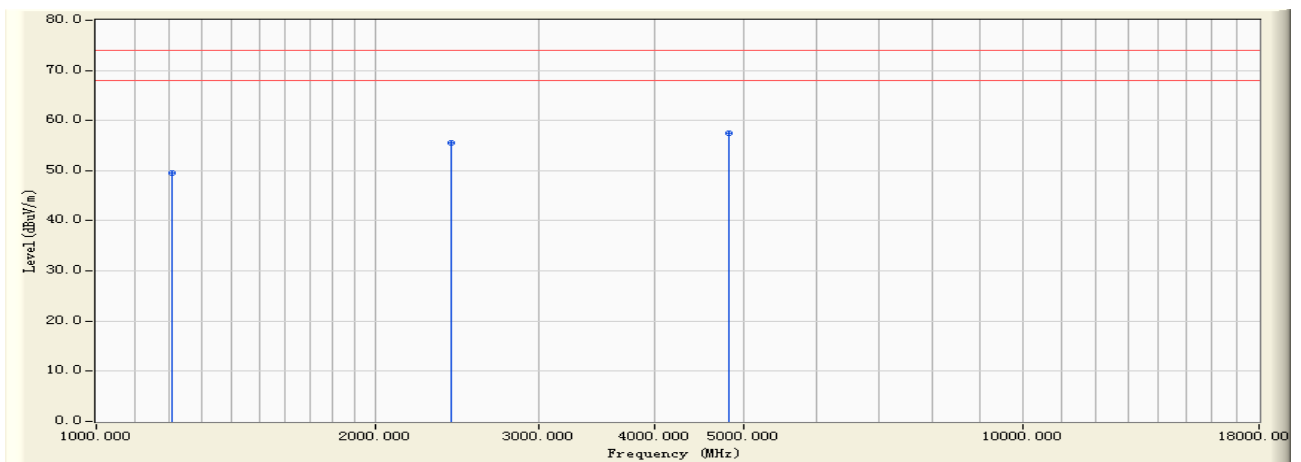
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1208.630	-5.871	42.190	36.320	-17.680	54.000	AVERAGE
2		2412.340	0.429	41.260	41.690	-12.310	54.000	AVERAGE
3	*	4824.170	7.348	38.520	45.868	-8.132	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:13
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2412MHz)



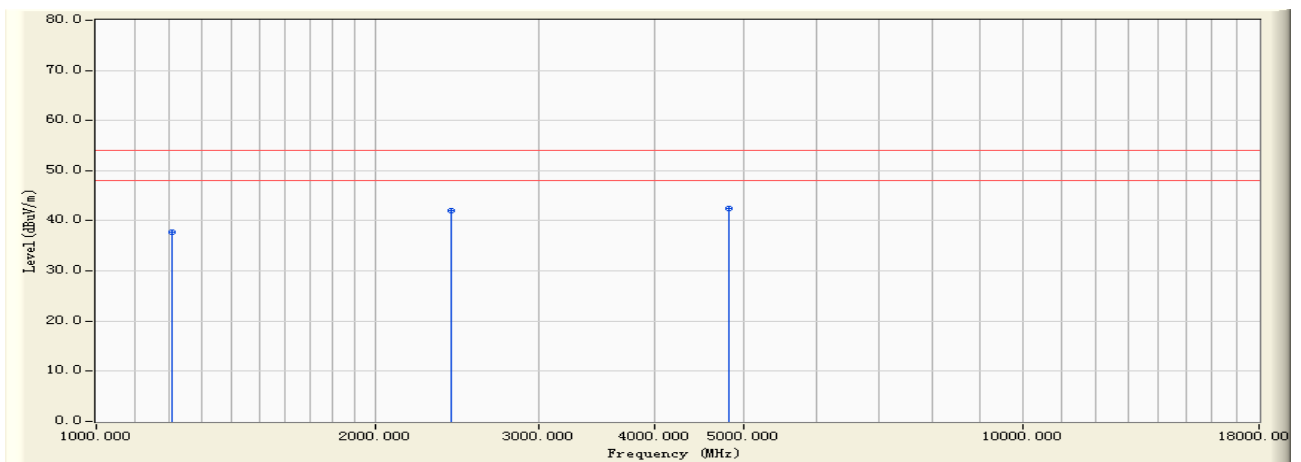
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1208.570	-5.871	55.310	49.439	-24.561	74.000	PEAK
2		2412.360	0.429	55.140	55.570	-18.430	74.000	PEAK
3	*	4825.370	7.350	50.190	57.541	-16.459	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:13
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2412MHz)



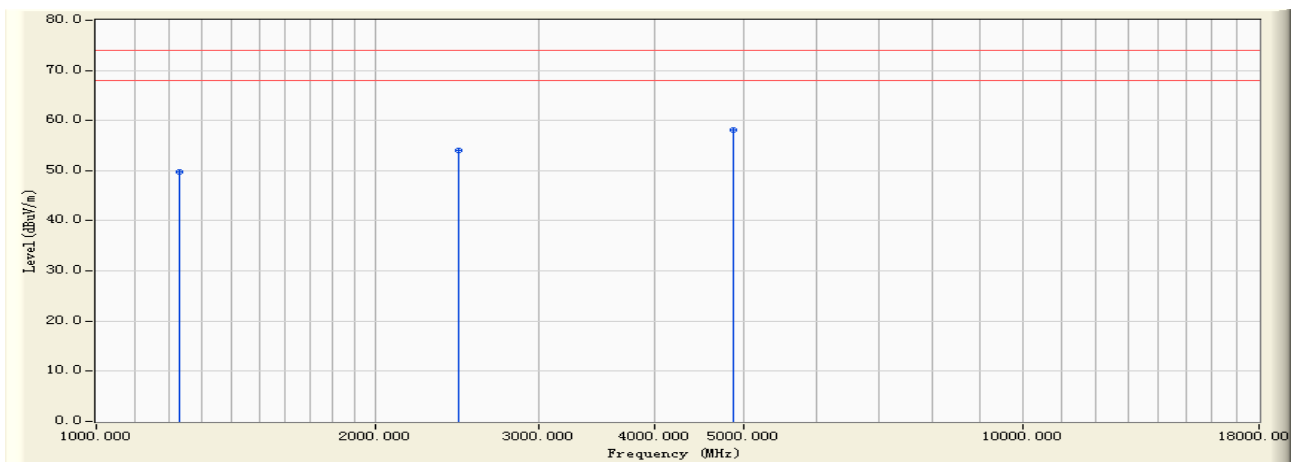
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1208.570	-5.871	43.590	37.719	-16.281	54.000	AVERAGE
2		2412.360	0.429	41.630	42.060	-11.940	54.000	AVERAGE
3	*	4825.370	7.350	35.060	42.411	-11.589	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:15
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2437MHz)



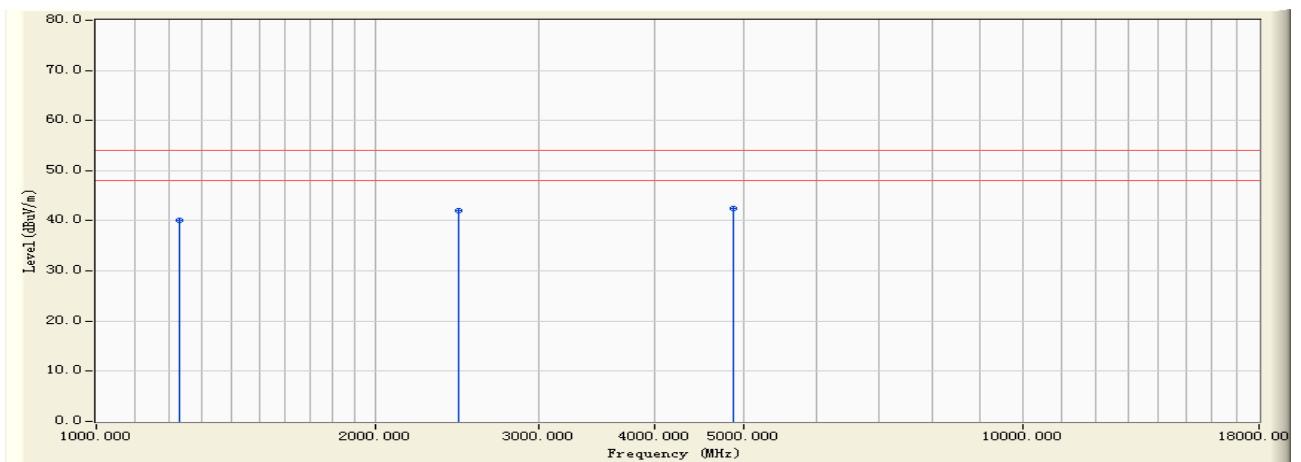
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1231.650	-5.623	55.380	49.757	-24.243	74.000	PEAK
2		2462.050	0.600	53.480	54.080	-19.920	74.000	PEAK
3	*	4875.360	7.459	50.560	58.020	-15.980	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:15
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2437MHz)



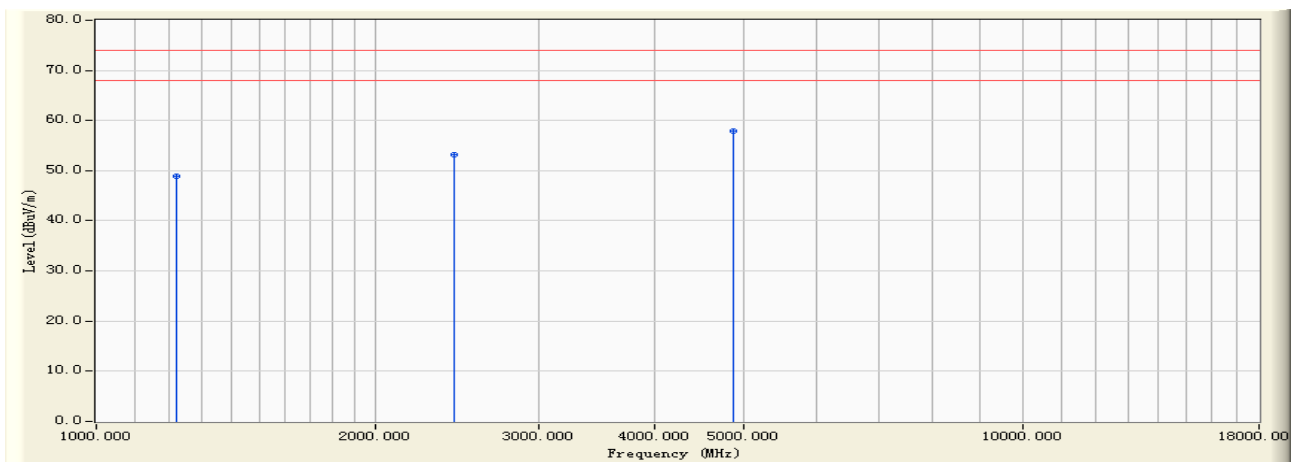
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1231.650	-5.623	45.630	40.007	-13.993	54.000	AVERAGE
2		2462.050	0.600	41.450	42.050	-11.950	54.000	AVERAGE
3	*	4875.360	7.459	35.030	42.490	-11.510	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:16
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2437MHz)



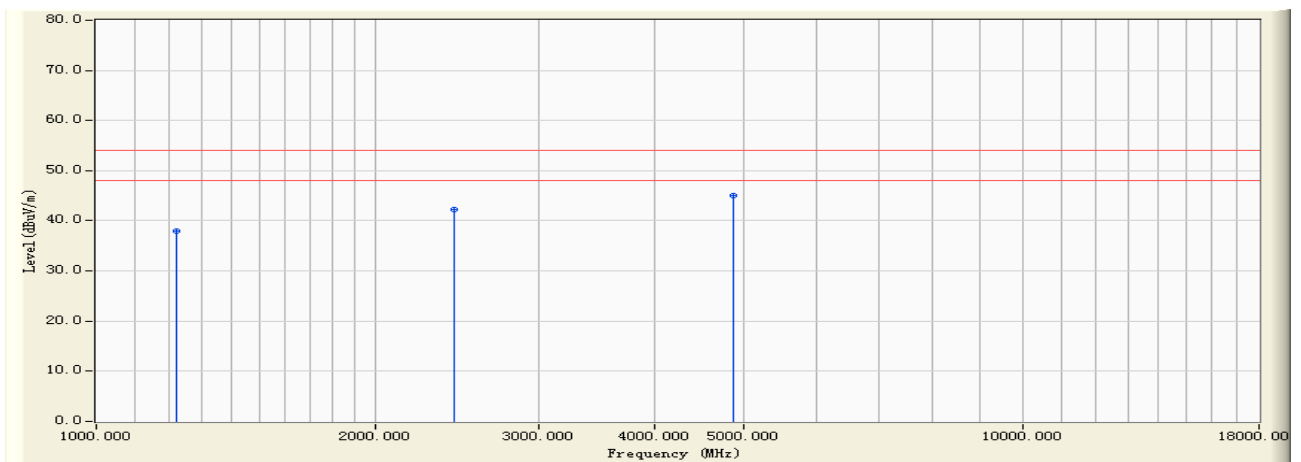
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1220.340	-5.748	54.630	48.882	-25.118	74.000	PEAK
2		2438.150	0.513	52.670	53.183	-20.817	74.000	PEAK
3	*	4876.590	7.462	50.510	57.972	-16.028	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:16
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2437MHz)



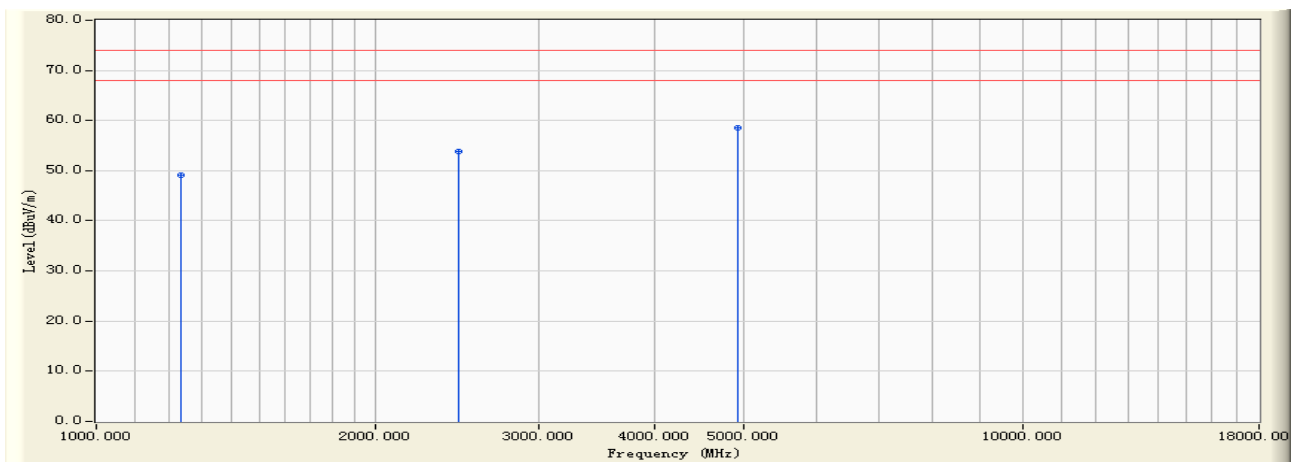
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1220.340	-5.748	43.650	37.902	-16.098	54.000	AVERAGE
2		2438.150	0.513	41.680	42.193	-11.807	54.000	AVERAGE
3	*	4876.590	7.462	37.540	45.002	-8.998	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:17
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2462MHz)



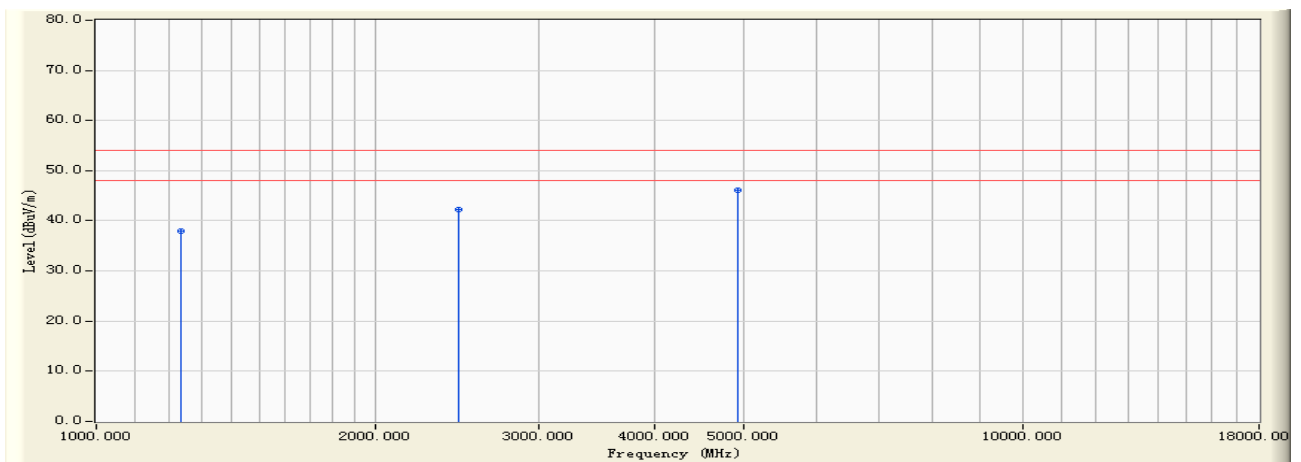
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1233.580	-5.601	54.690	49.089	-24.911	74.000	PEAK
2		2462.040	0.600	53.280	53.880	-20.120	74.000	PEAK
3	*	4926.570	7.570	51.060	58.630	-15.370	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:17
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2462MHz)



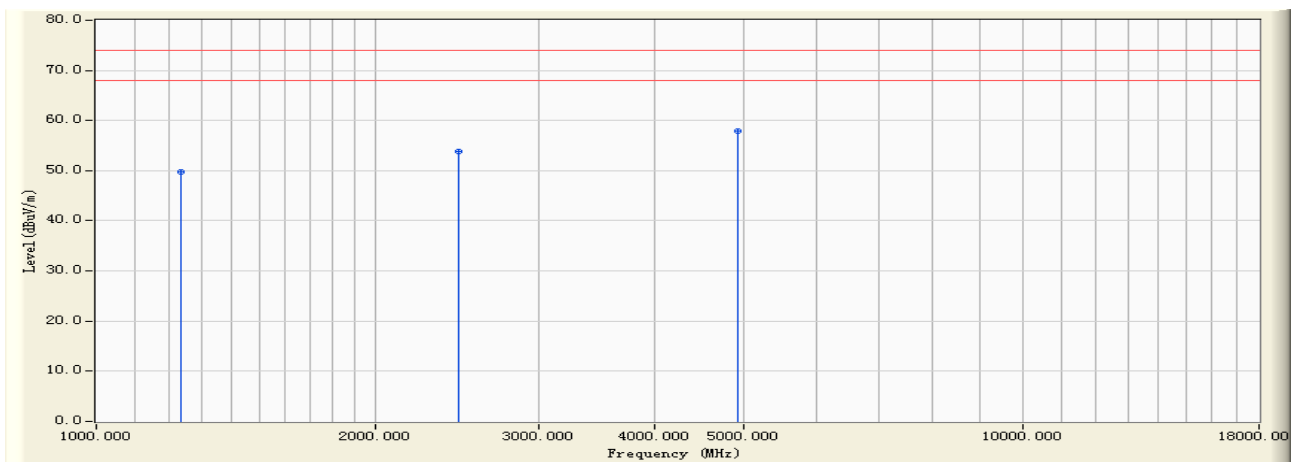
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1233.580	-5.601	43.570	37.969	-16.031	54.000	AVERAGE
2		2462.040	0.600	41.590	42.190	-11.810	54.000	AVERAGE
3	*	4926.570	7.570	38.630	46.200	-7.800	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:19
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2462MHz)



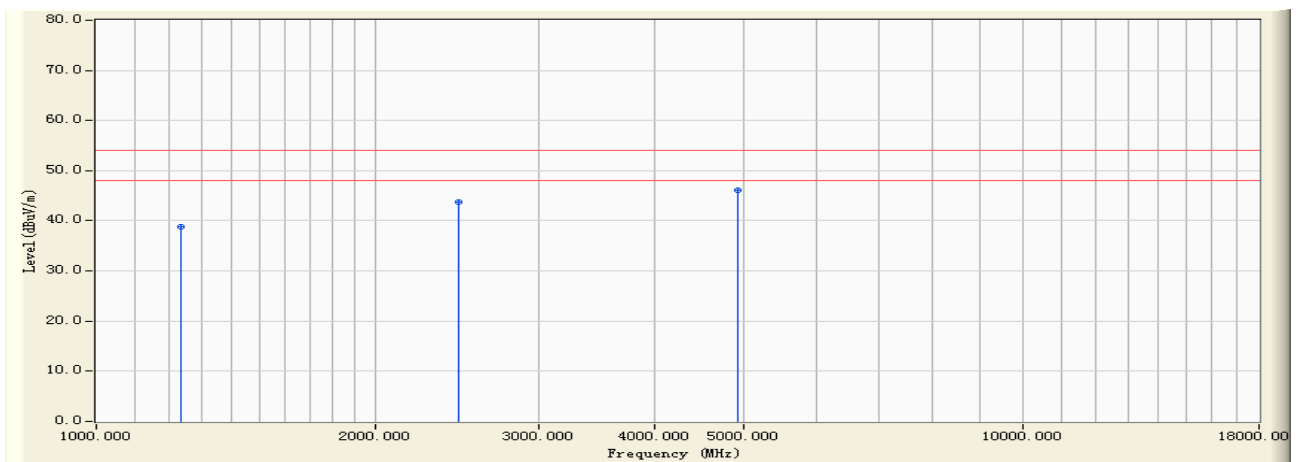
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1233.590	-5.601	55.390	49.789	-24.211	74.000	PEAK
2		2462.080	0.600	53.270	53.870	-20.130	74.000	PEAK
3	*	4926.380	7.570	50.240	57.810	-16.190	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:19
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2462MHz)



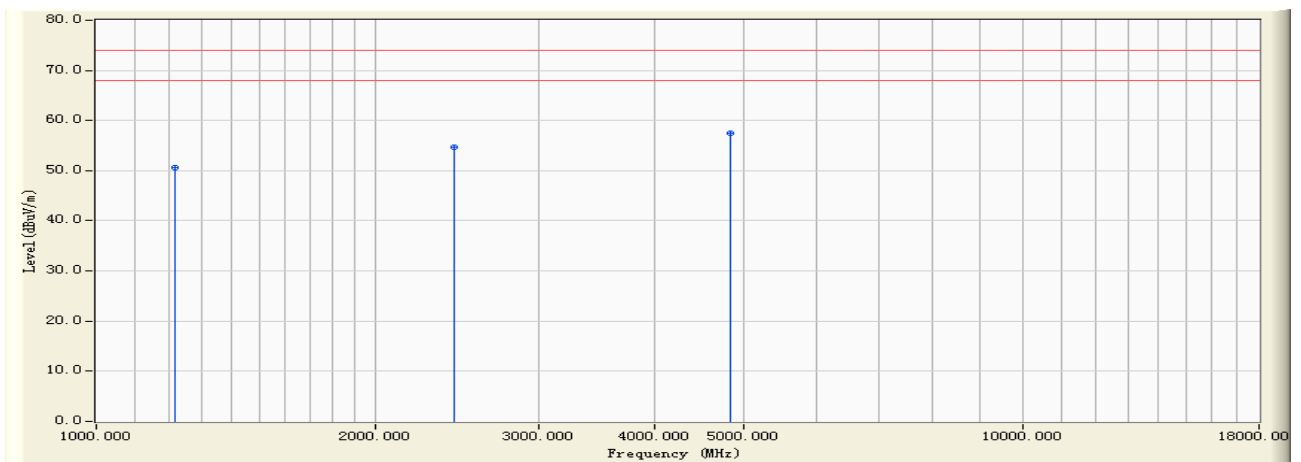
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1233.590	-5.601	44.510	38.909	-15.091	54.000	AVERAGE
2		2462.080	0.600	43.210	43.810	-10.190	54.000	AVERAGE
3	*	4926.380	7.570	38.540	46.110	-7.890	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:20
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2422MHz)



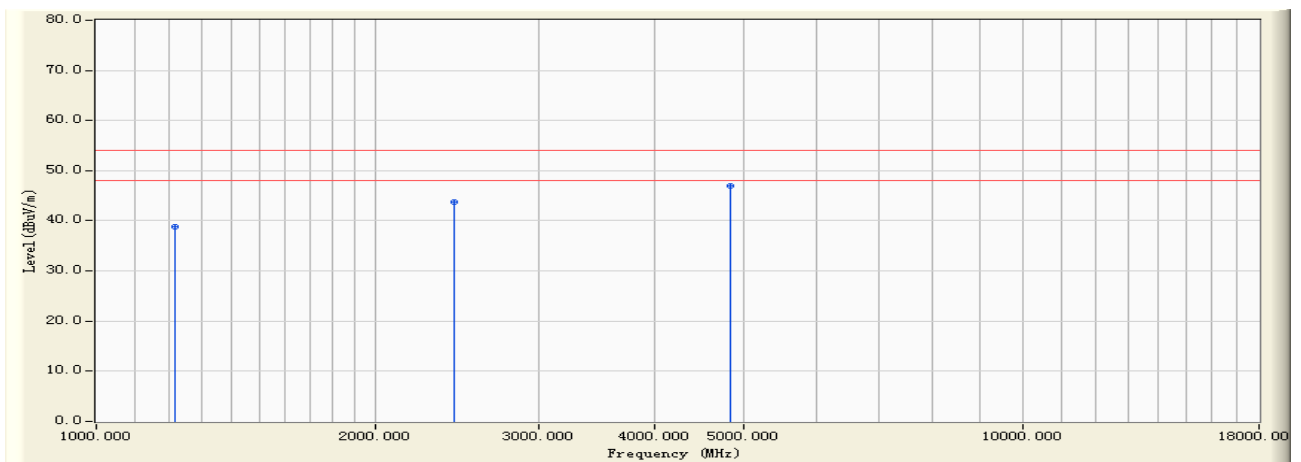
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1215.700	-5.796	56.340	50.543	-23.457	74.000	PEAK
2		2437.510	0.510	54.230	54.741	-19.259	74.000	PEAK
3	*	4845.570	7.392	50.180	57.573	-16.427	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:20
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2422MHz)



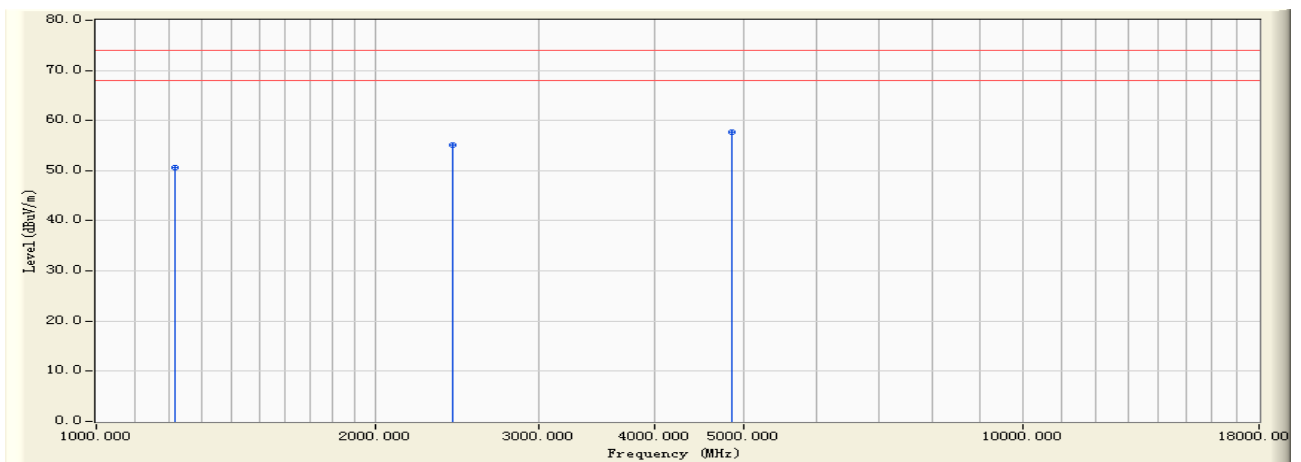
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1215.700	-5.796	44.580	38.783	-15.217	54.000	AVERAGE
2		2437.510	0.510	43.260	43.771	-10.229	54.000	AVERAGE
3	*	4845.570	7.392	39.640	47.033	-6.967	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:22
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2422MHz)



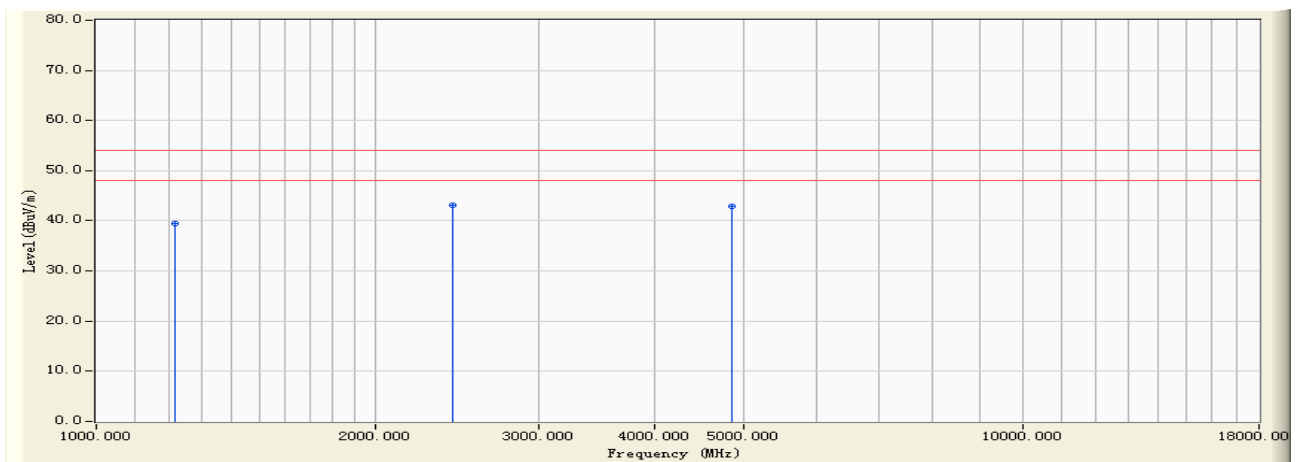
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1214.570	-5.809	56.320	50.512	-23.488	74.000	PEAK
2		2422.520	0.464	54.590	55.054	-18.946	74.000	PEAK
3	*	4846.350	7.395	50.390	57.785	-16.215	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:22
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2422MHz)



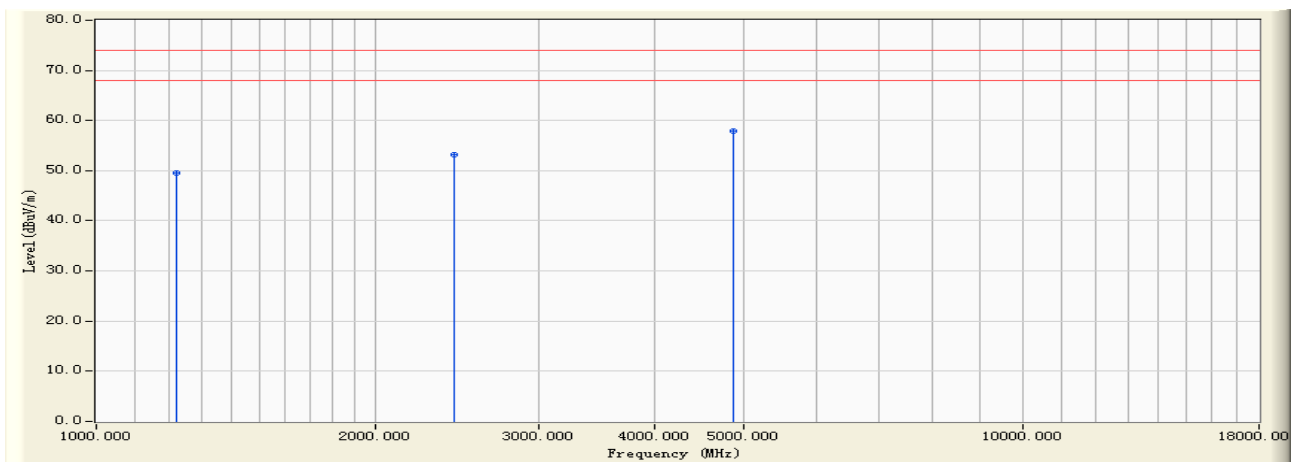
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1214.570	-5.809	45.260	39.452	-14.548	54.000	AVERAGE
2	*	2422.520	0.464	42.680	43.144	-10.856	54.000	AVERAGE
3		4846.350	7.395	35.580	42.975	-11.025	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:23
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2437MHz)



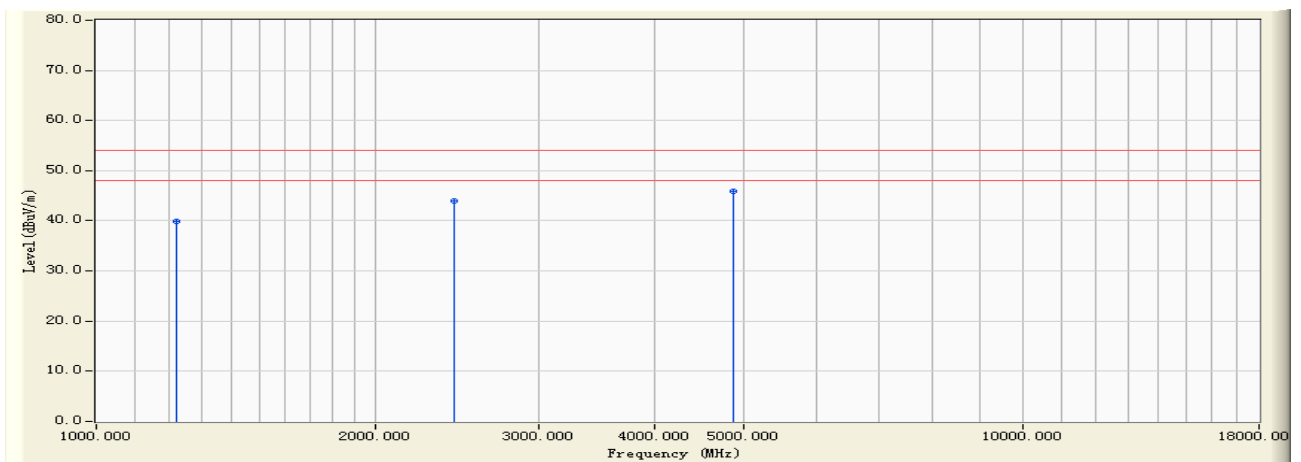
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1220.360	-5.748	55.320	49.572	-24.428	74.000	PEAK
2		2437.060	0.509	52.680	53.189	-20.811	74.000	PEAK
3	*	4876.340	7.462	50.380	57.842	-16.158	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:23
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2437MHz)



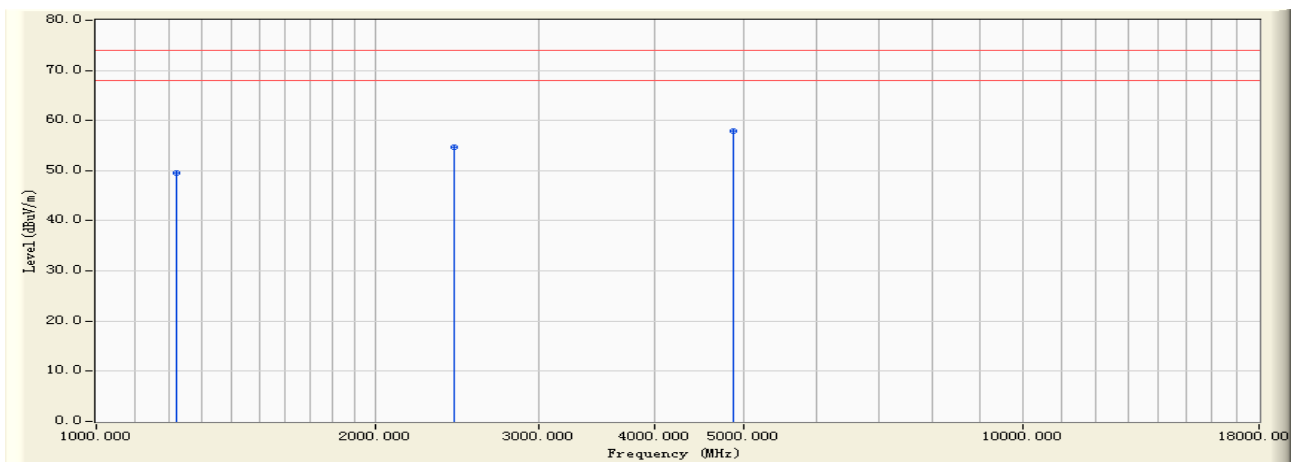
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1220.360	-5.748	45.560	39.812	-14.188	54.000	AVERAGE
2		2437.060	0.509	43.520	44.029	-9.971	54.000	AVERAGE
3	*	4876.340	7.462	38.520	45.982	-8.018	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:24
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2437MHz)



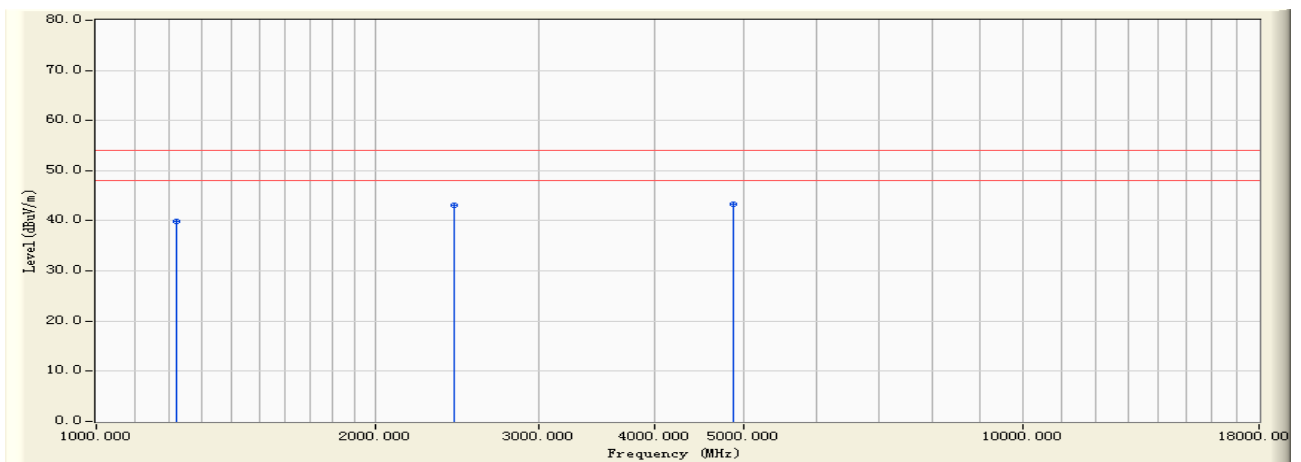
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1219.360	-5.759	55.370	49.612	-24.388	74.000	PEAK
2		2438.510	0.514	54.230	54.744	-19.256	74.000	PEAK
3	*	4876.310	7.462	50.350	57.812	-16.188	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:24
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2437MHz)



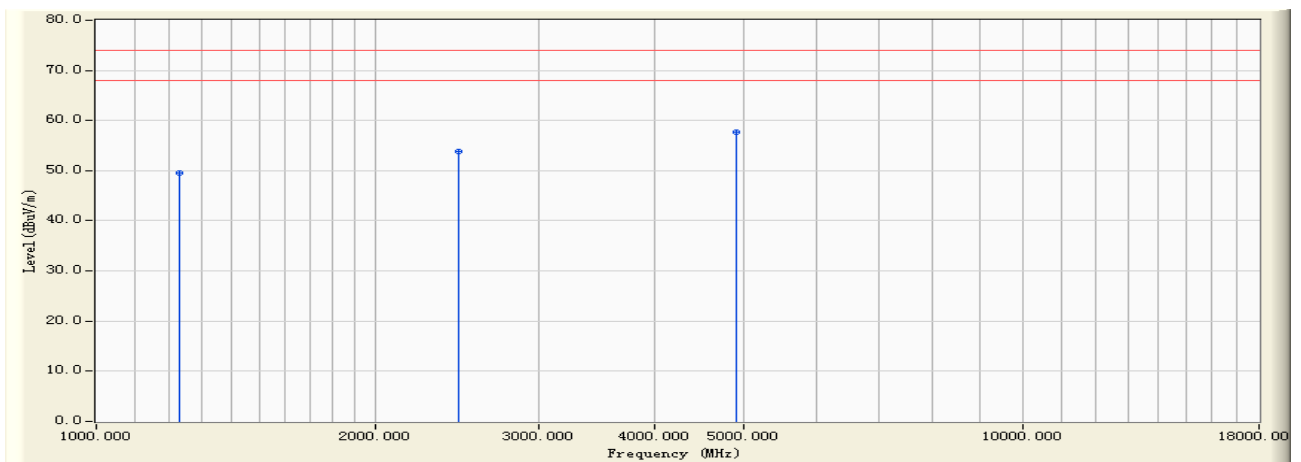
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1219.360	-5.759	45.630	39.872	-14.128	54.000	AVERAGE
2		2438.510	0.514	42.580	43.094	-10.906	54.000	AVERAGE
3	*	4876.310	7.462	35.920	43.382	-10.618	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:26
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2452MHz)



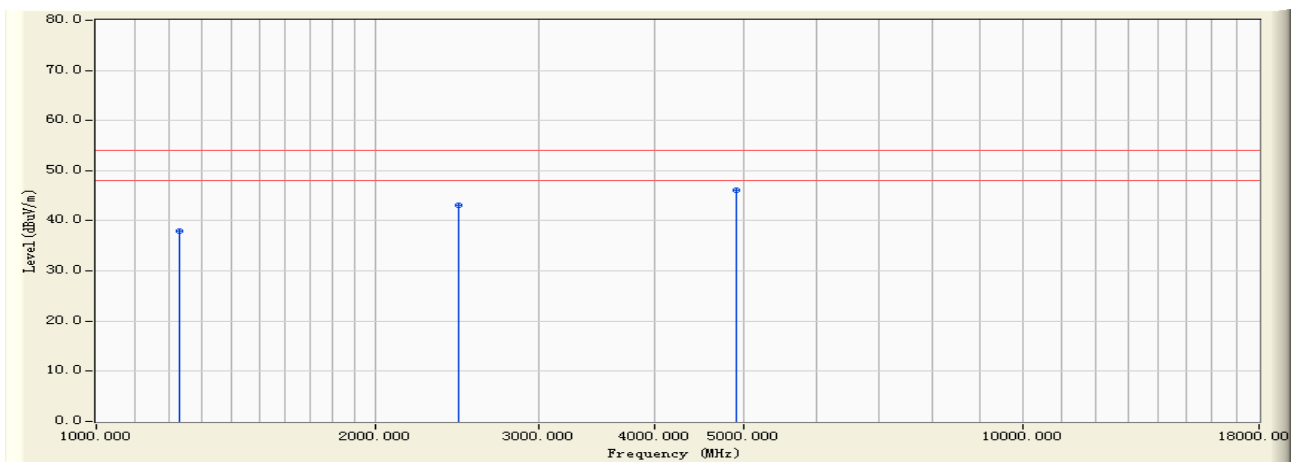
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1228.630	-5.657	55.290	49.633	-24.367	74.000	PEAK
2		2462.510	0.601	53.260	53.861	-20.139	74.000	PEAK
3	*	4906.580	7.529	50.150	57.679	-16.321	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:26
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2452MHz)



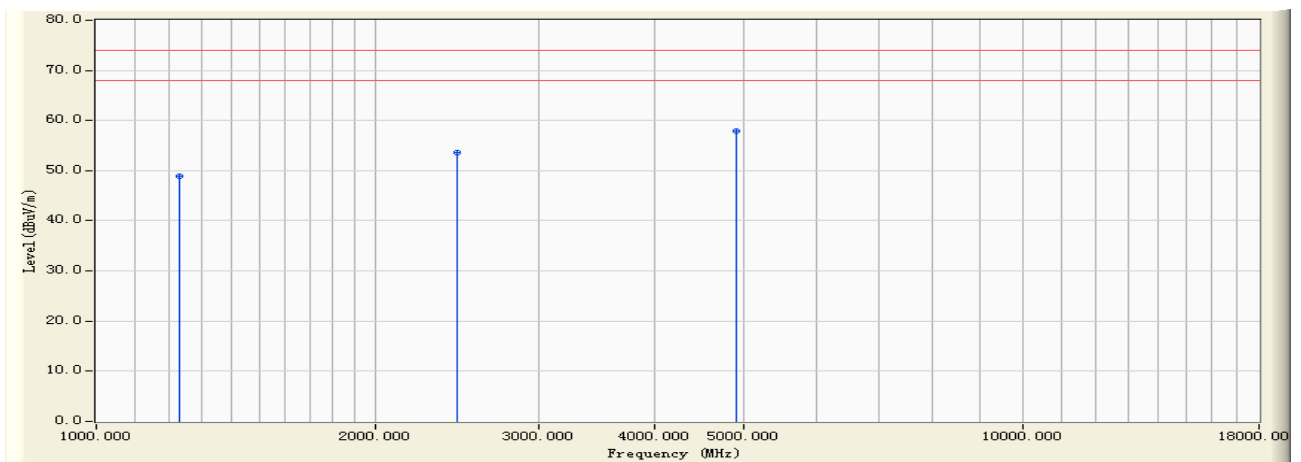
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1228.360	-5.660	43.570	37.910	-16.090	54.000	AVERAGE
2		2462.510	0.601	42.560	43.161	-10.839	54.000	AVERAGE
3	*	4906.580	7.529	38.520	46.049	-7.951	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:27
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2452MHz)



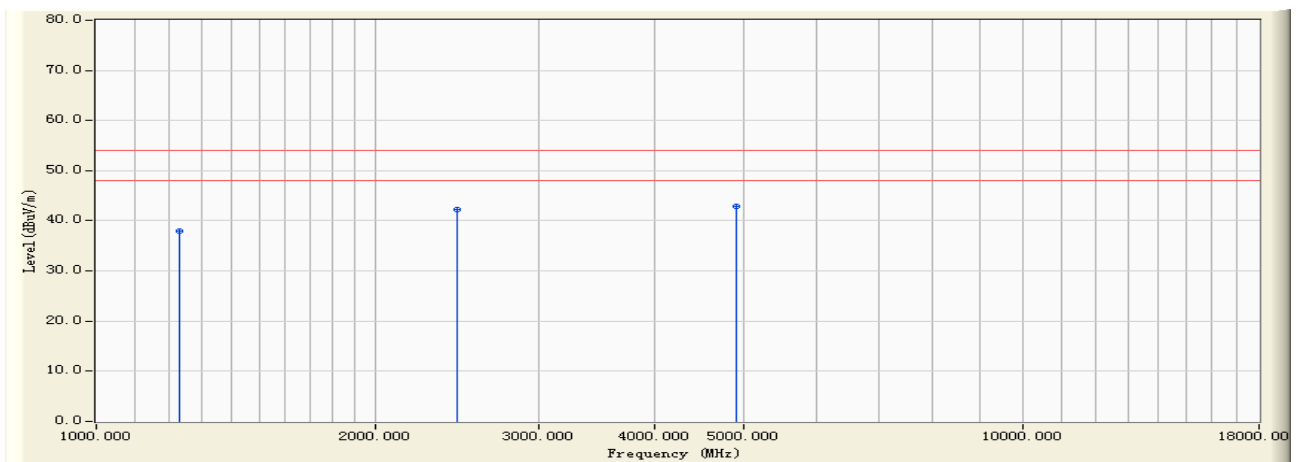
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1227.630	-5.668	54.650	48.982	-25.018	74.000	PEAK
2		2452.310	0.560	53.060	53.621	-20.379	74.000	PEAK
3	*	4905.610	7.527	50.280	57.807	-16.193	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/24 - 16:27
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2452MHz)



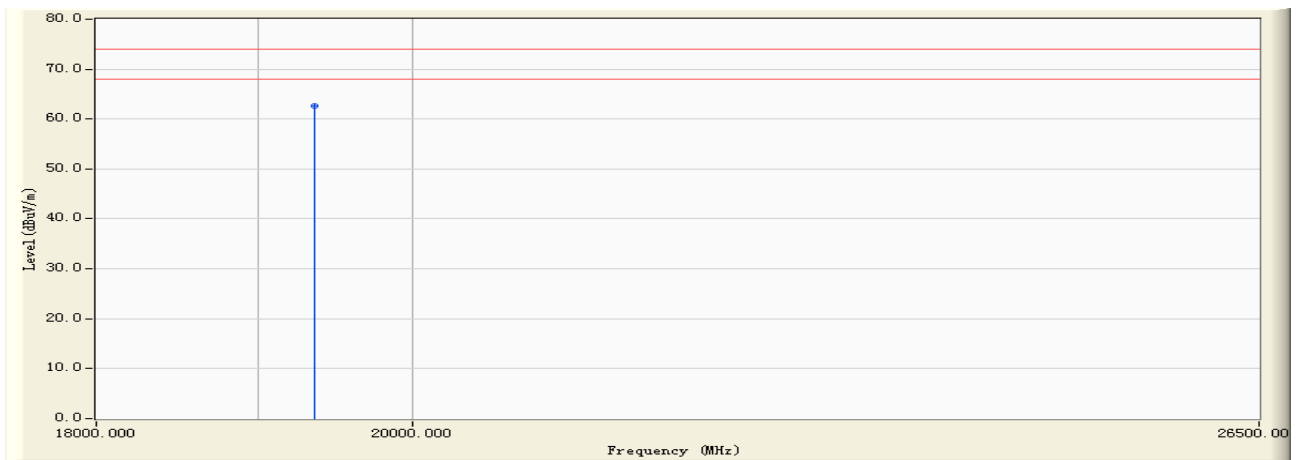
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1227.630	-5.668	43.570	37.902	-16.098	54.000	AVERAGE
2		2452.310	0.560	41.650	42.211	-11.789	54.000	AVERAGE
3	*	4905.610	7.527	35.420	42.947	-11.053	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:50
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2412MHz)



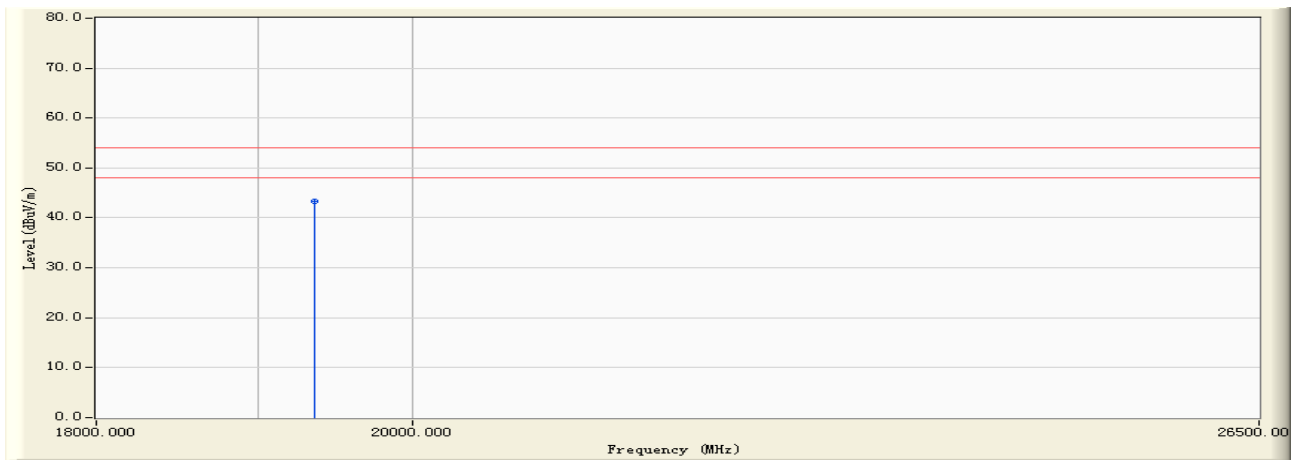
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19356.000	9.924	52.630	62.553	-11.447	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:50
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2412MHz)



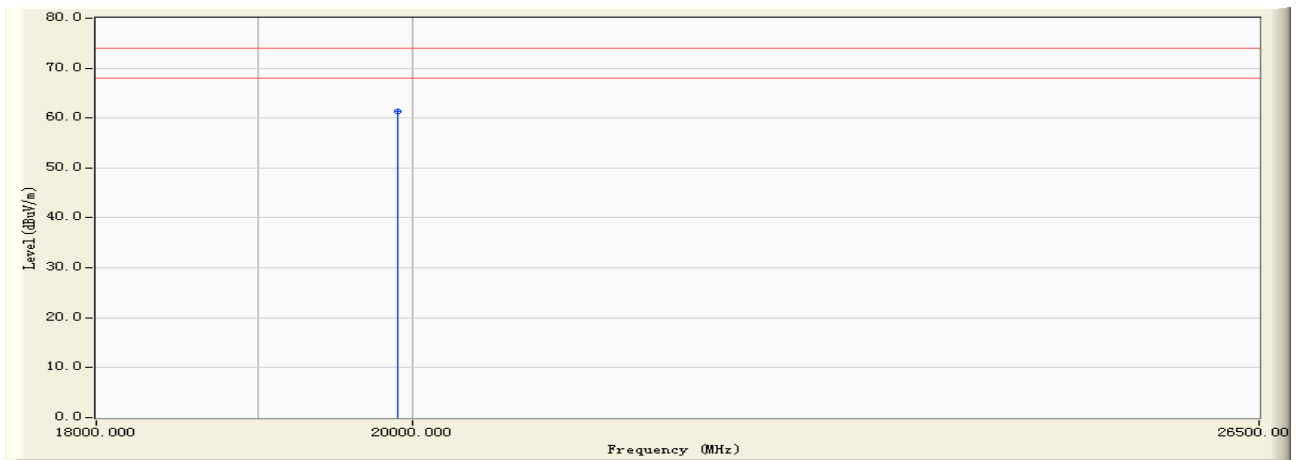
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19356.000	9.924	33.440	43.363	-10.637	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:51
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2412MHz)



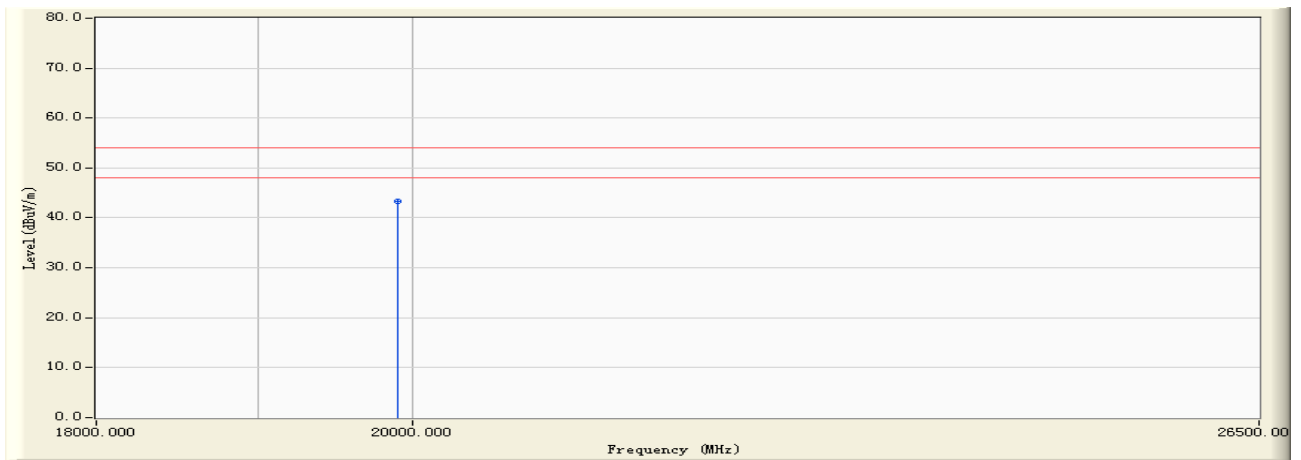
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19894.000	9.944	51.480	61.424	-12.576	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:51
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2412MHz)



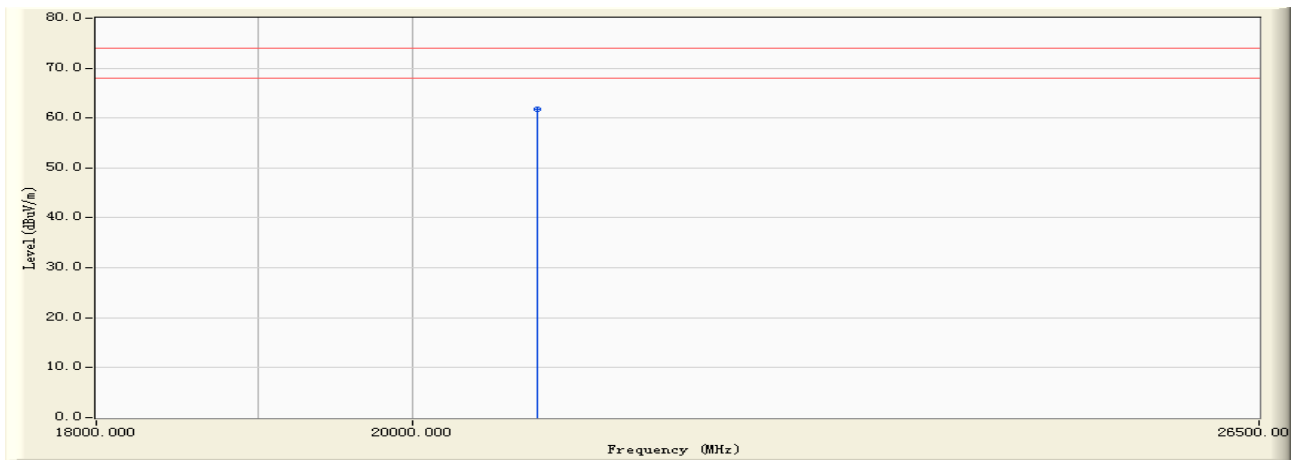
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19894.000	9.944	33.480	43.424	-10.576	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:52
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz)- HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2437MHz)



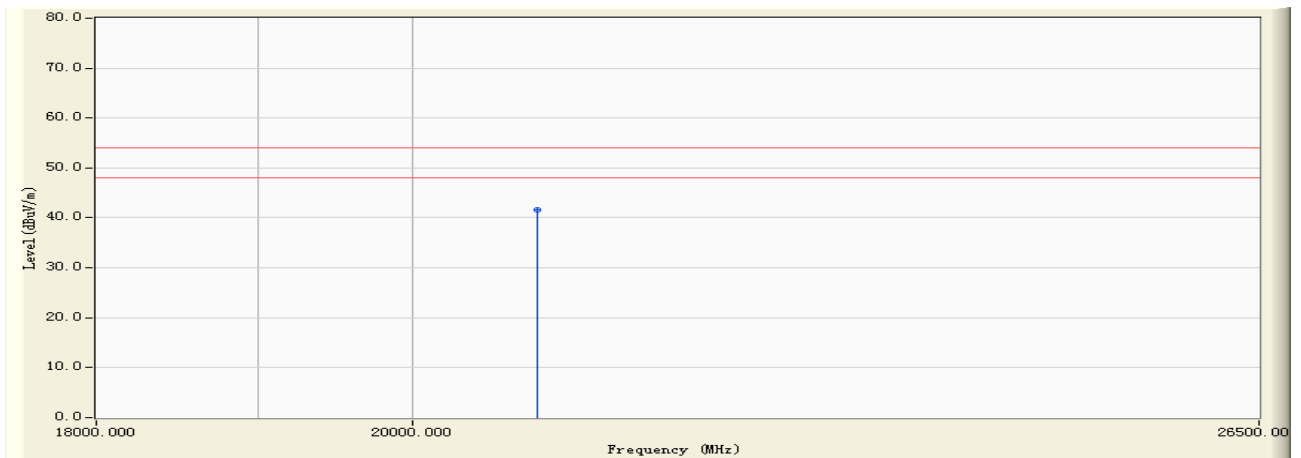
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20846.000	10.143	51.670	61.814	-12.186	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:52
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2437MHz)



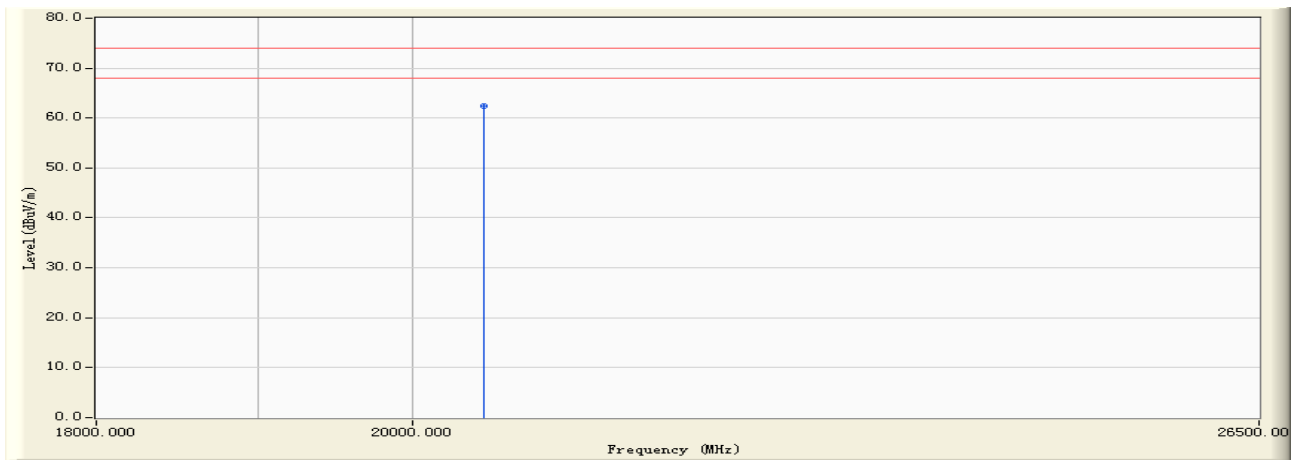
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20846.000	10.143	31.570	41.714	-12.286	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:52
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2437MHz)



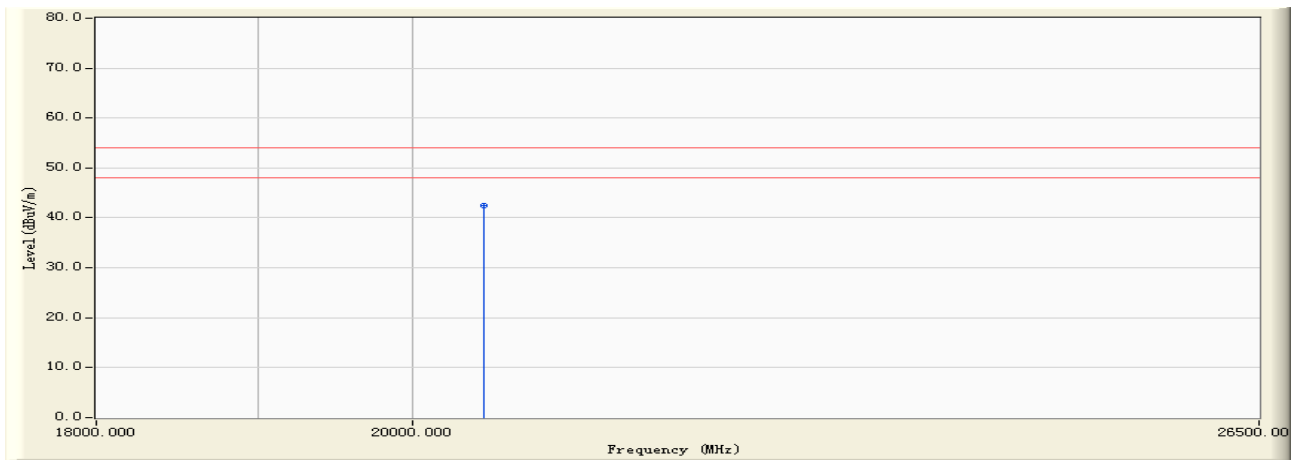
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20479.000	9.868	52.620	62.488	-11.512	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:52
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2437MHz)



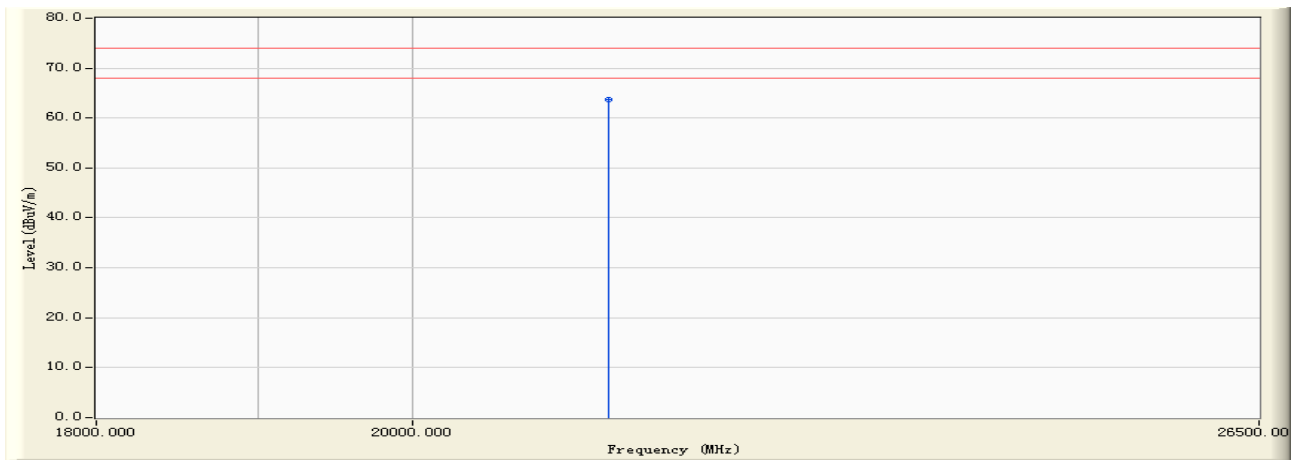
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20479.000	9.868	32.510	42.378	-11.622	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:53
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2462MHz)



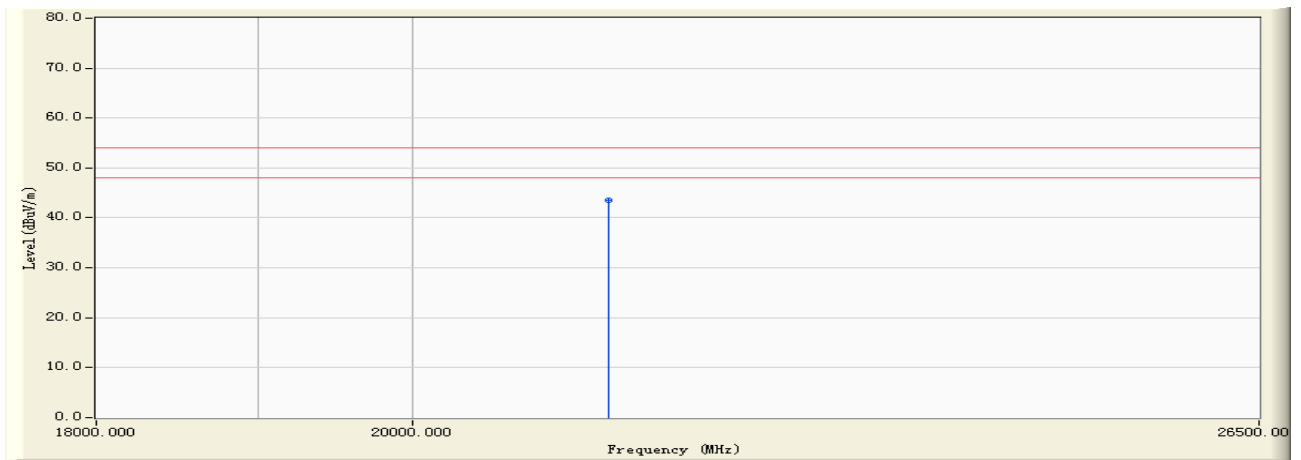
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21349.000	10.977	52.630	63.607	-10.393	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:53
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2462MHz)



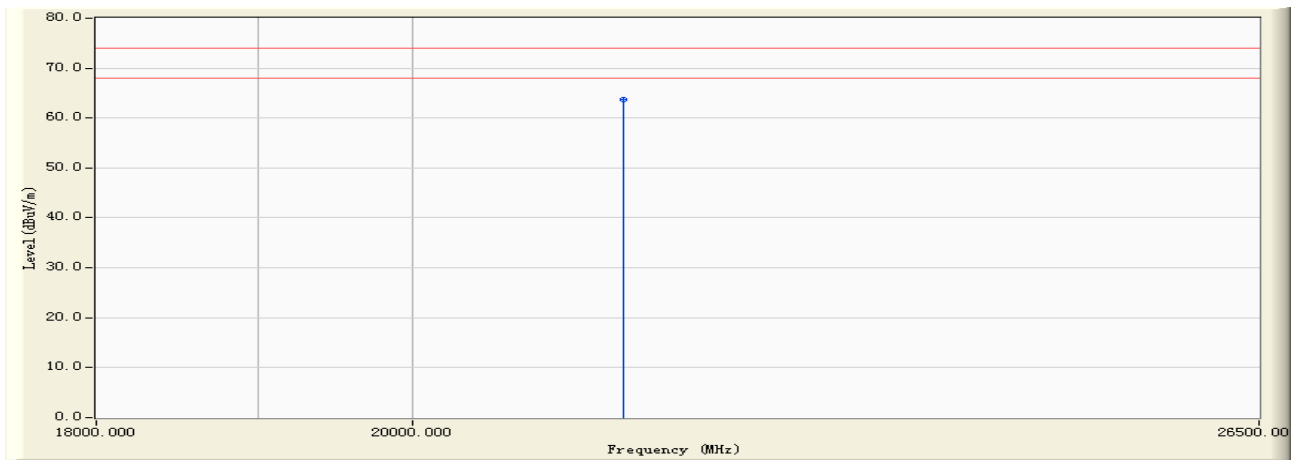
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21349.000	10.977	32.630	43.607	-10.393	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:53
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2462MHz)



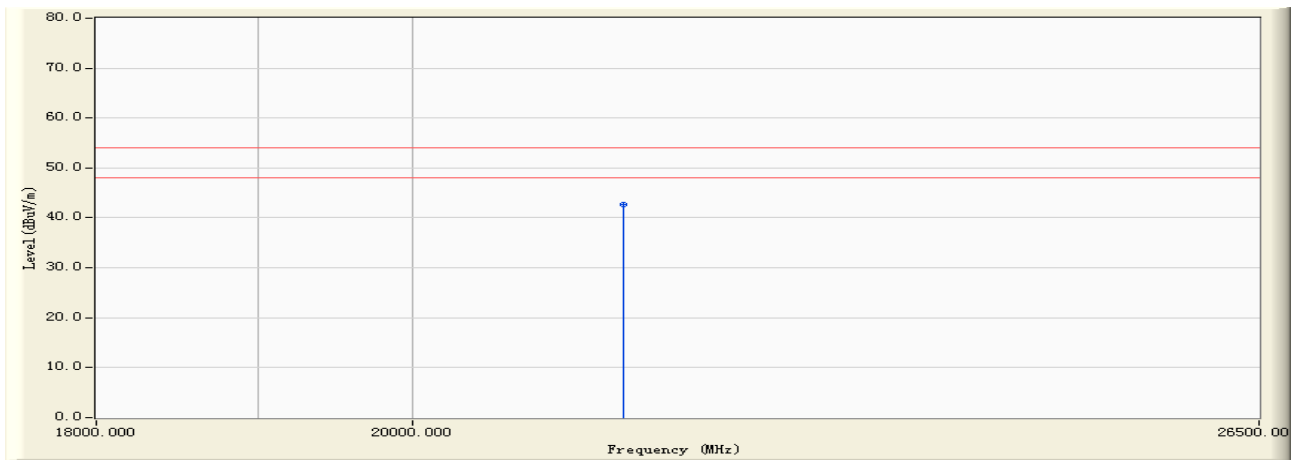
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21453.000	11.182	52.540	63.722	-10.278	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:53
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2462MHz)



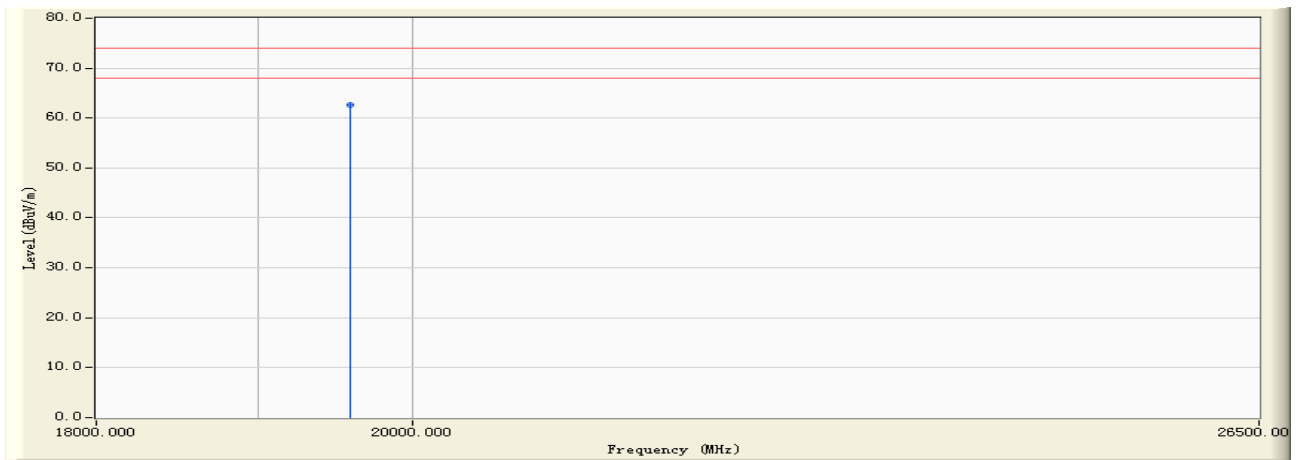
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21453.000	11.182	31.560	42.742	-11.258	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:55
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2412MHz)



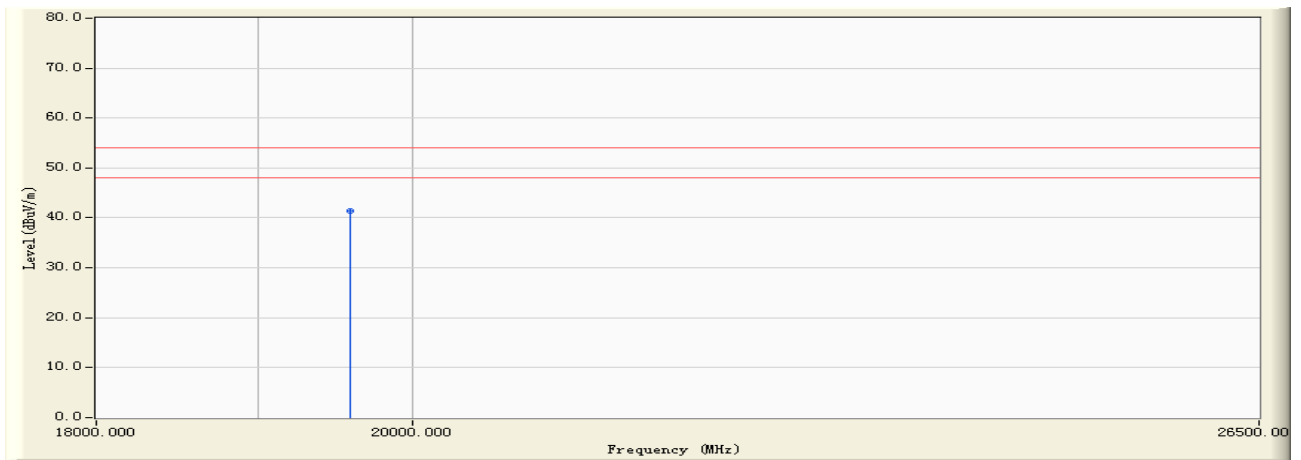
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19587.000	9.946	52.630	62.576	-11.424	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:55
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2412MHz)



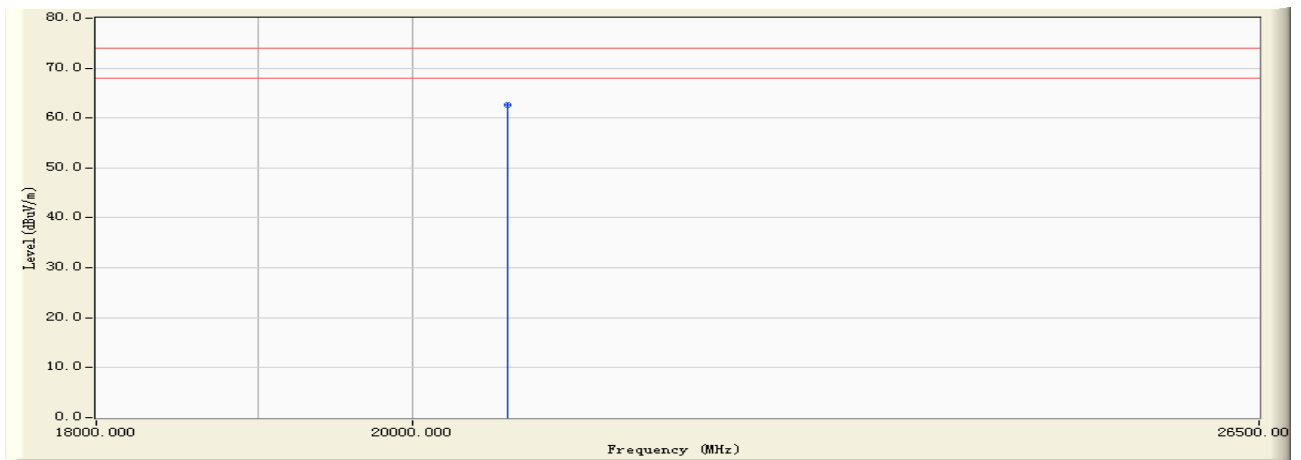
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19587.000	9.946	31.540	41.486	-12.514	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:55
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2412MHz)



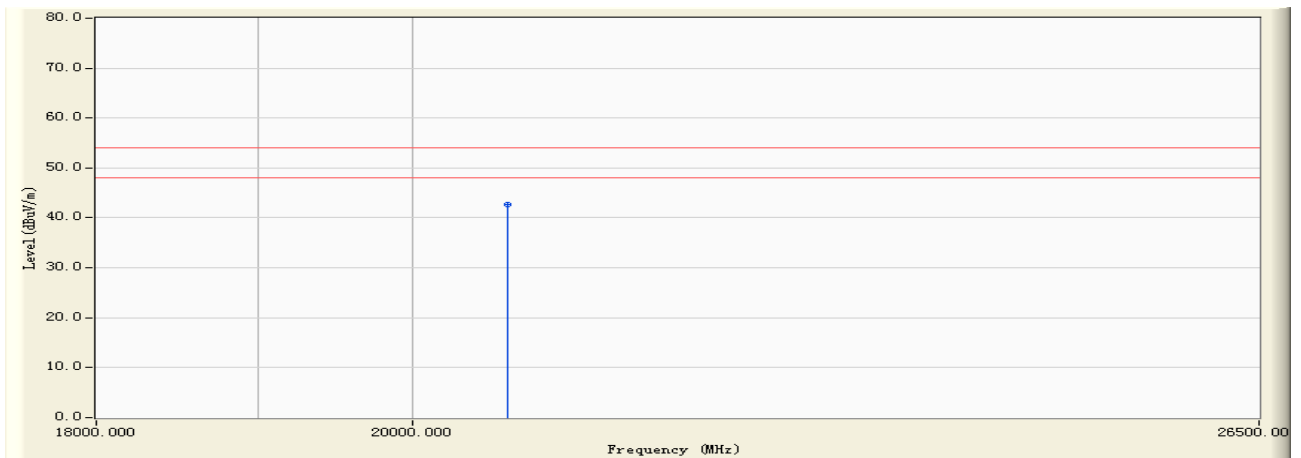
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20637.000	9.972	52.640	62.612	-11.388	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:55
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2412MHz)



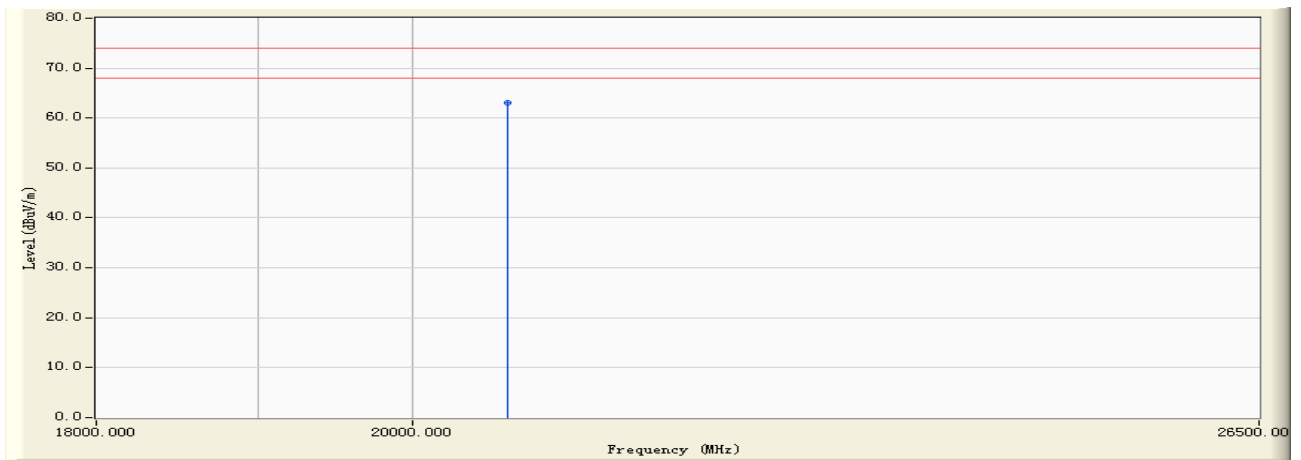
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20637.000	9.972	32.680	42.652	-11.348	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:56
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2437MHz)



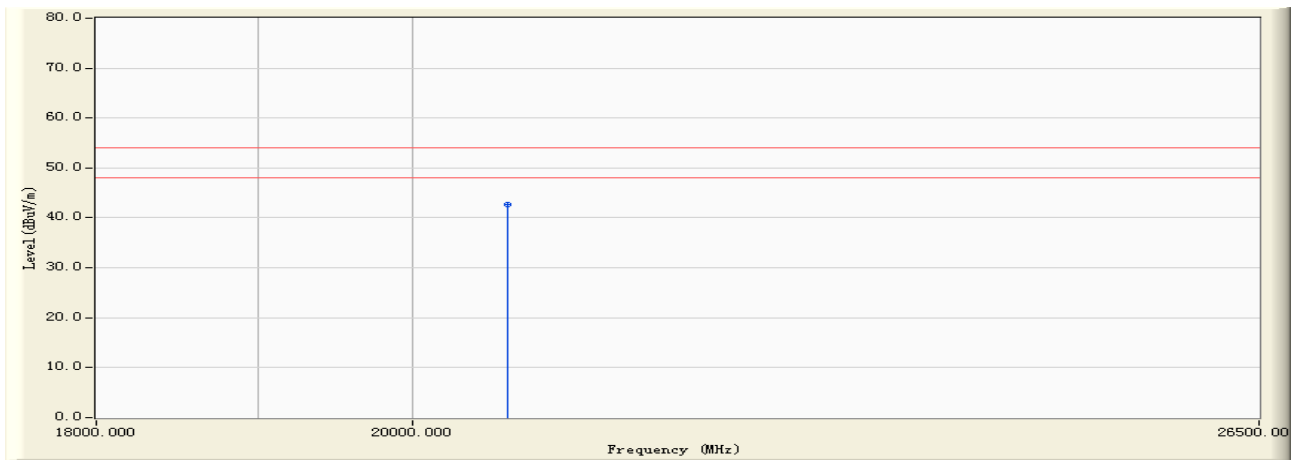
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20639.000	9.975	53.050	63.025	-10.975	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:56
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz)- HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2437MHz)



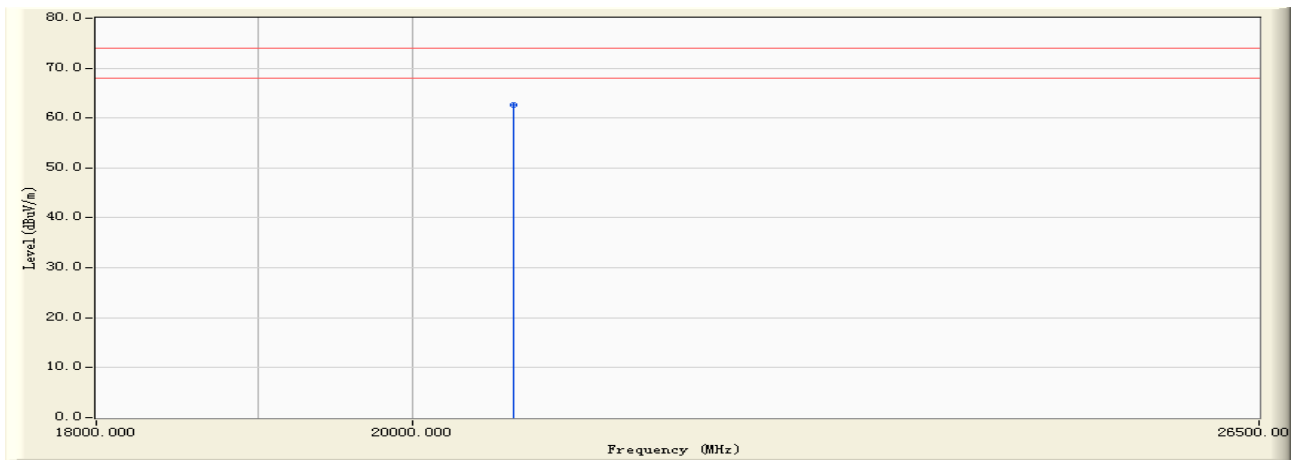
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20639.000	9.975	32.780	42.755	-11.245	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:57
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2437MHz)



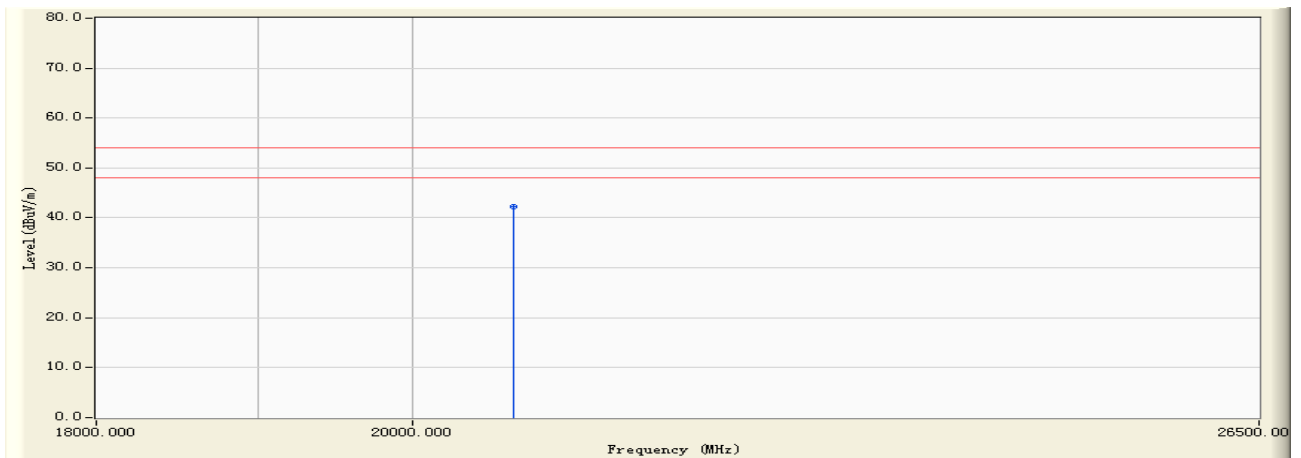
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20679.000	10.011	52.630	62.641	-11.359	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:57
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2437MHz)



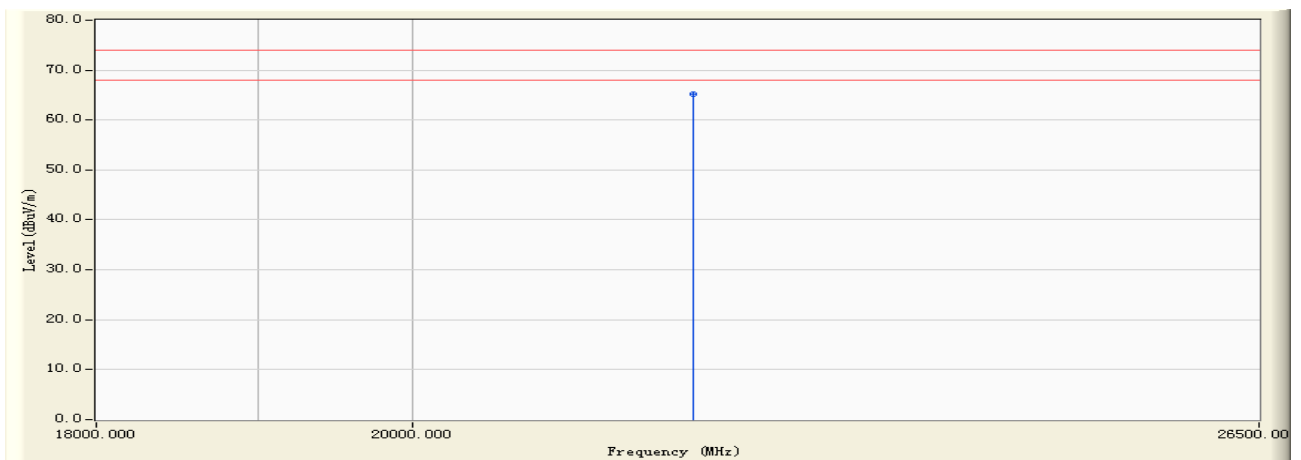
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20679.000	10.011	32.140	42.151	-11.849	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:57
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz)- HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2462MHz)



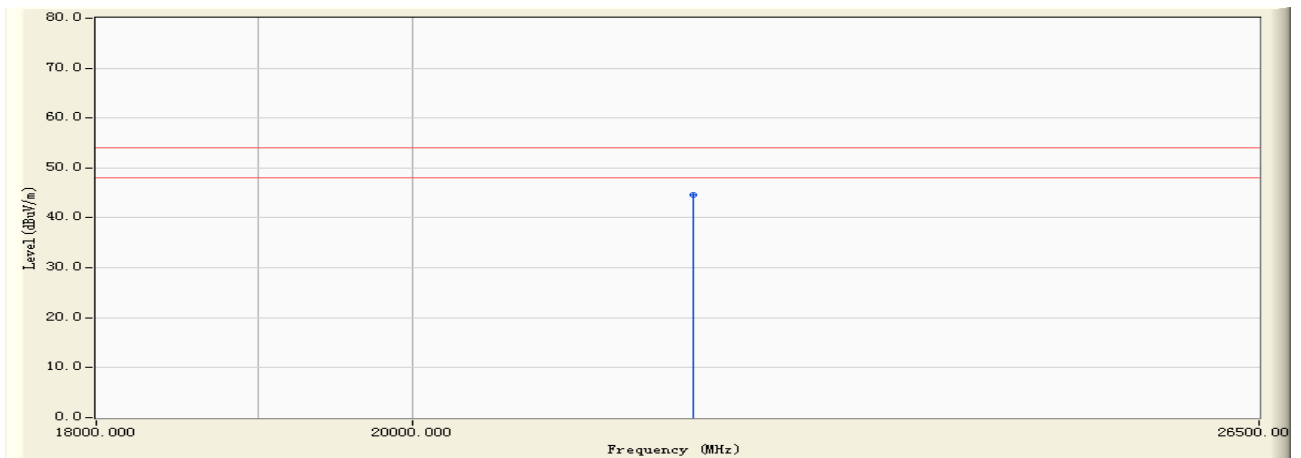
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21957.000	12.194	53.060	65.253	-8.747	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:57
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2462MHz)



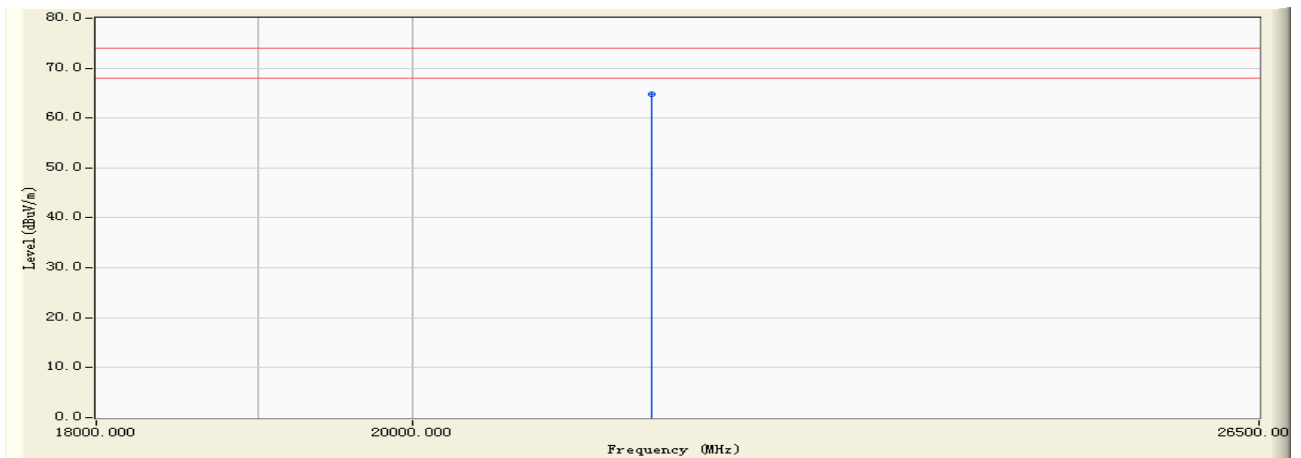
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21957.000	12.194	32.480	44.673	-9.327	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:58
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2462MHz)



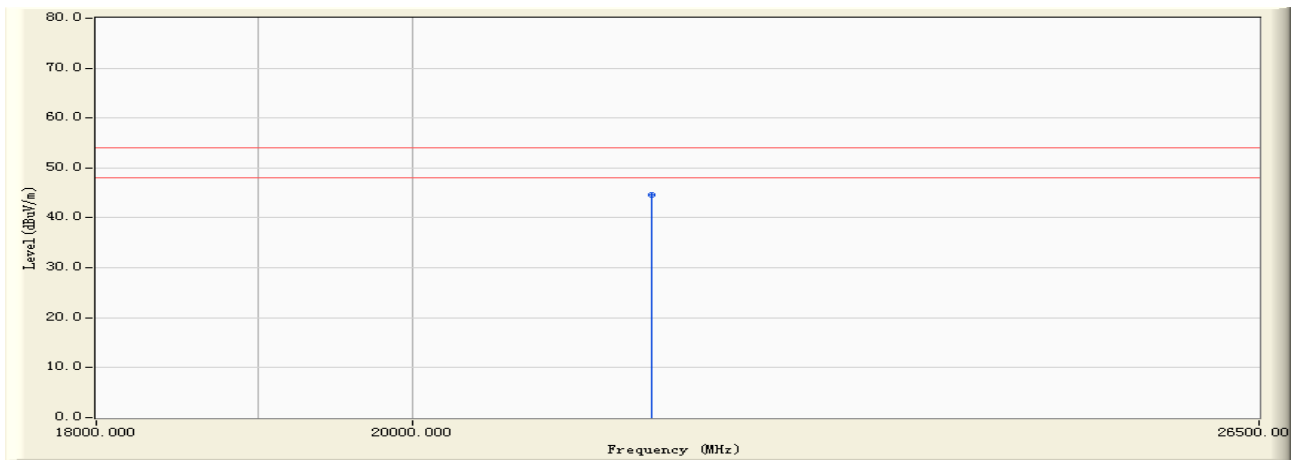
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21657.000	11.558	53.160	64.718	-9.282	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 22:58
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz)- VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2462MHz)



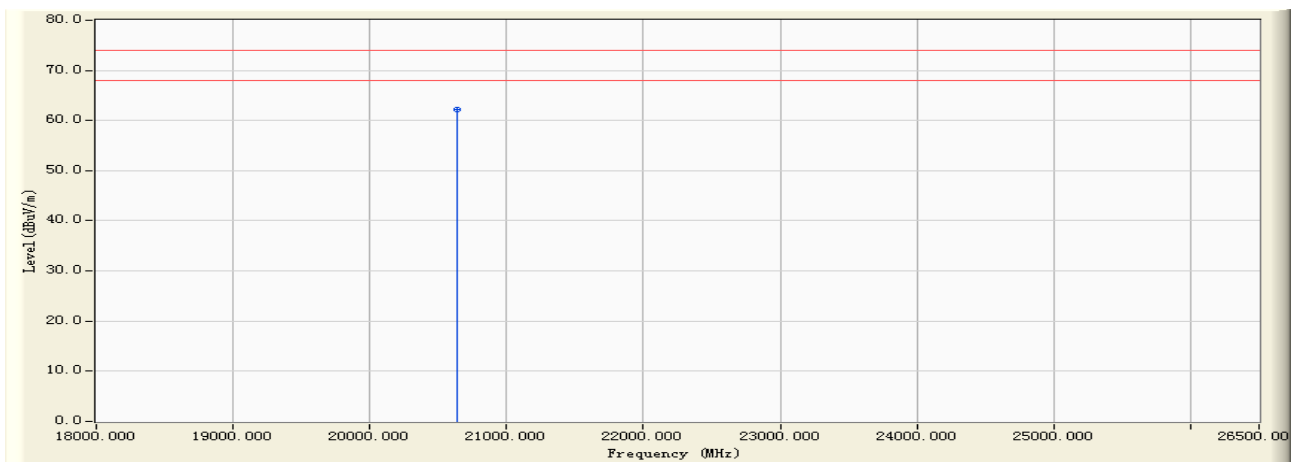
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21657.000	11.558	33.140	44.698	-9.302	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:52
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz)- HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2412MHz)



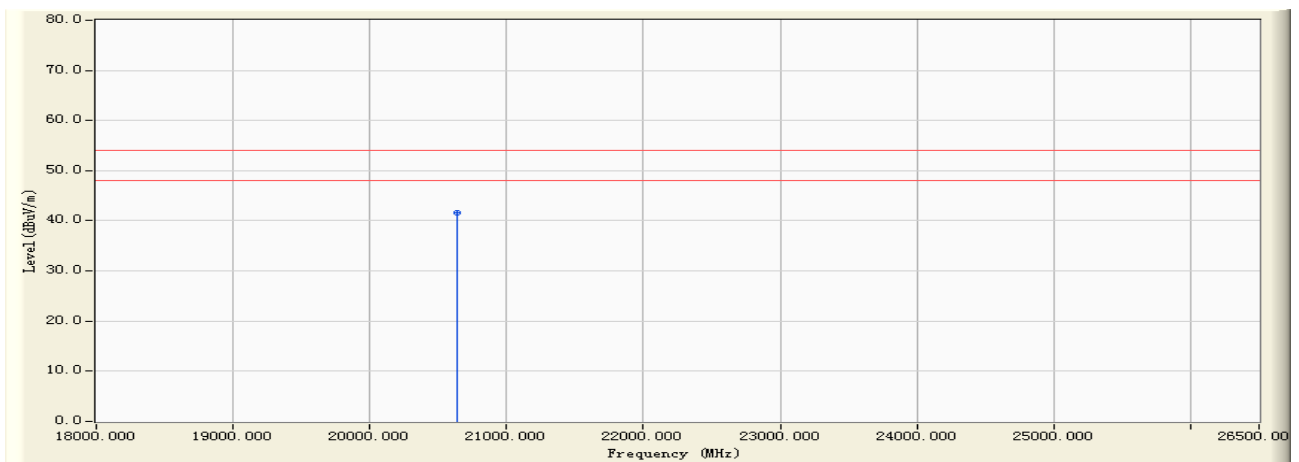
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20639.000	9.975	52.260	62.235	-11.765	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:52
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2412MHz)



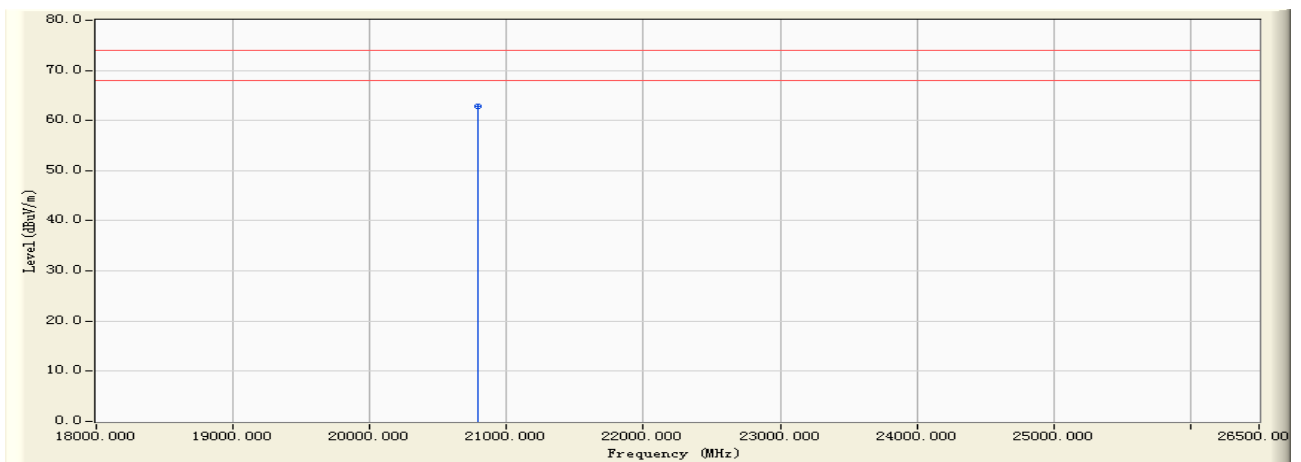
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20639.000	9.975	31.560	41.535	-12.465	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:52
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2412MHz)



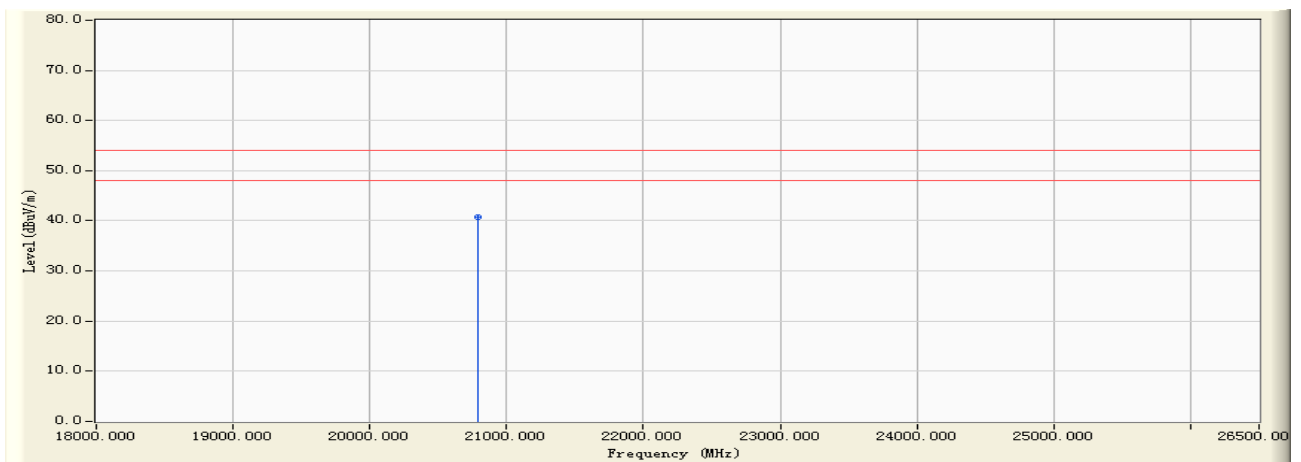
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20786.000	10.100	52.670	62.770	-11.230	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:52
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2412MHz)



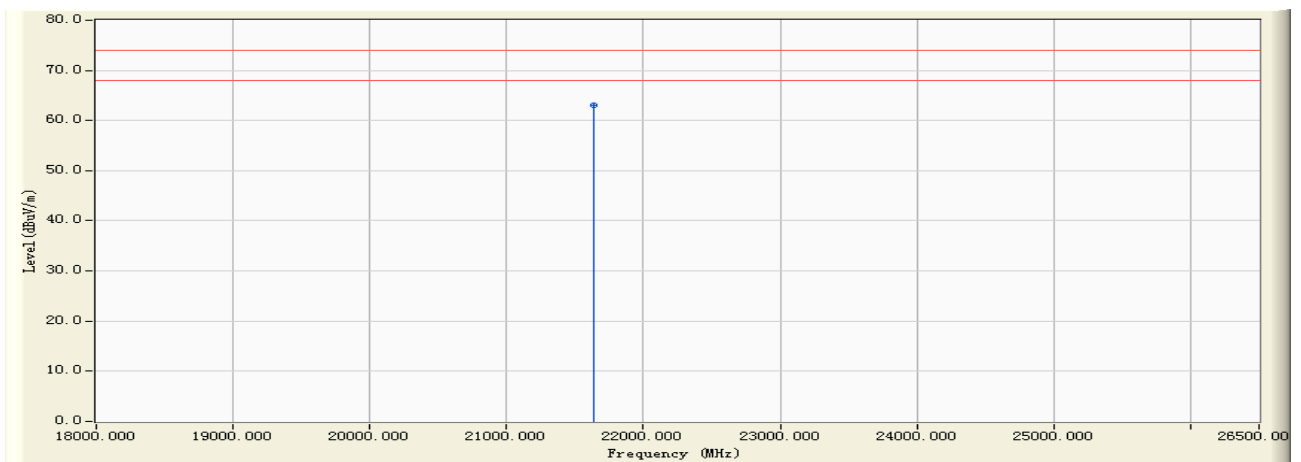
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20786.000	10.100	30.560	40.660	-13.340	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:53
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2437MHz)



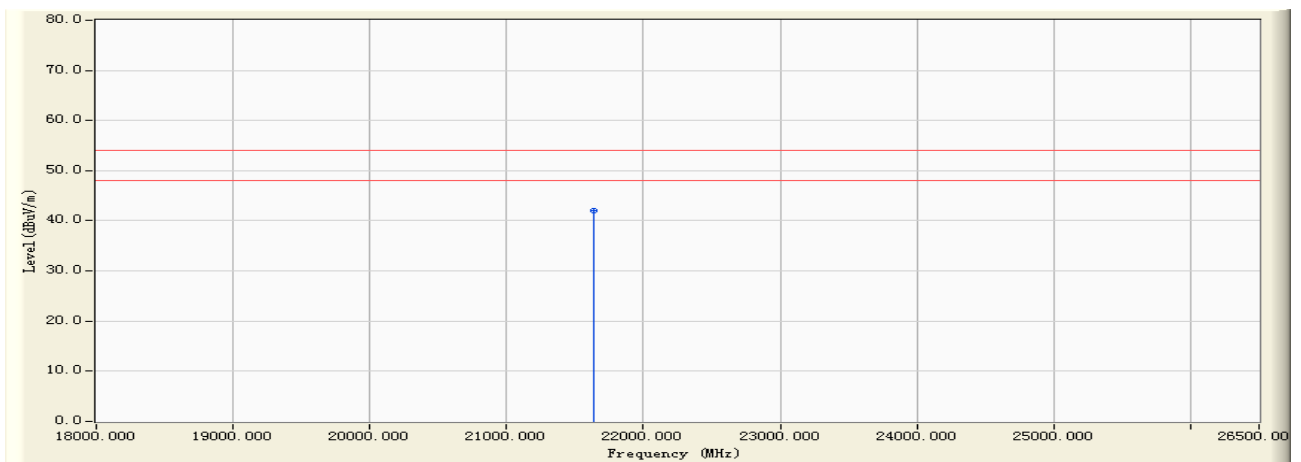
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21632.000	11.513	51.480	62.993	-11.007	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:53
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2437MHz)



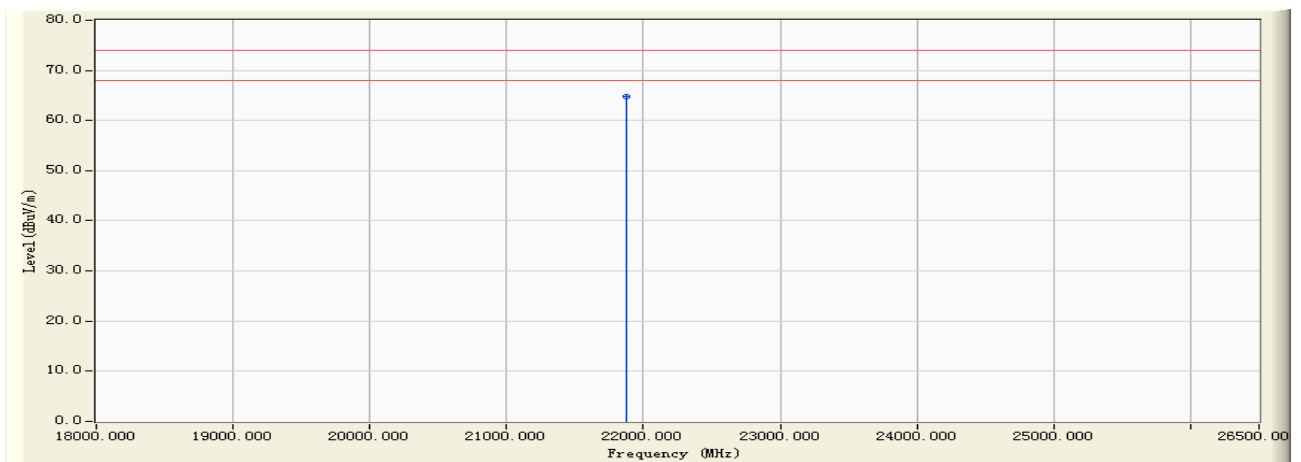
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21632.000	11.513	30.480	41.993	-12.007	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:54
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2437MHz)



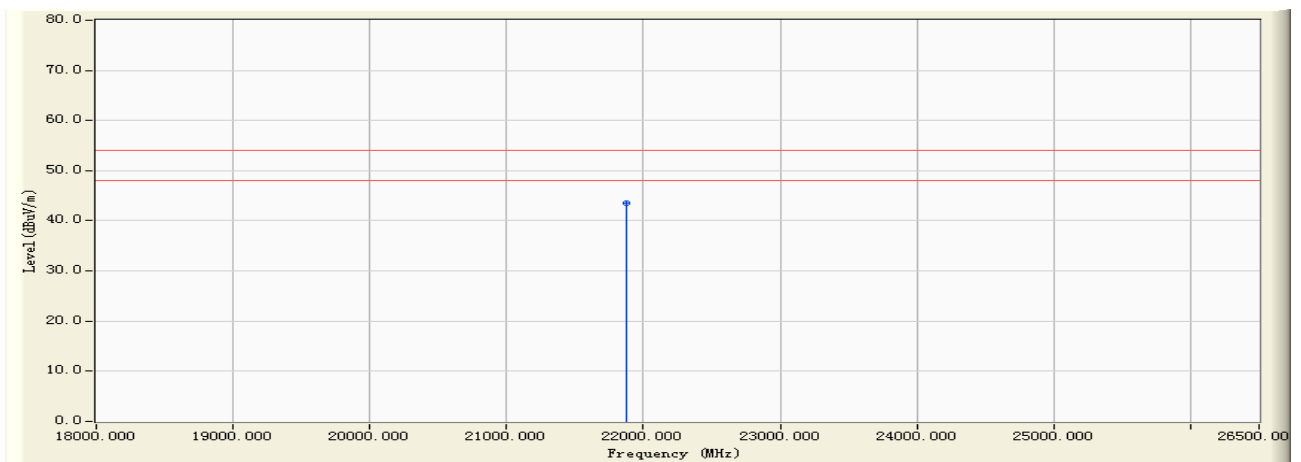
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21873.000	11.993	52.850	64.844	-9.156	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:54
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2437MHz)



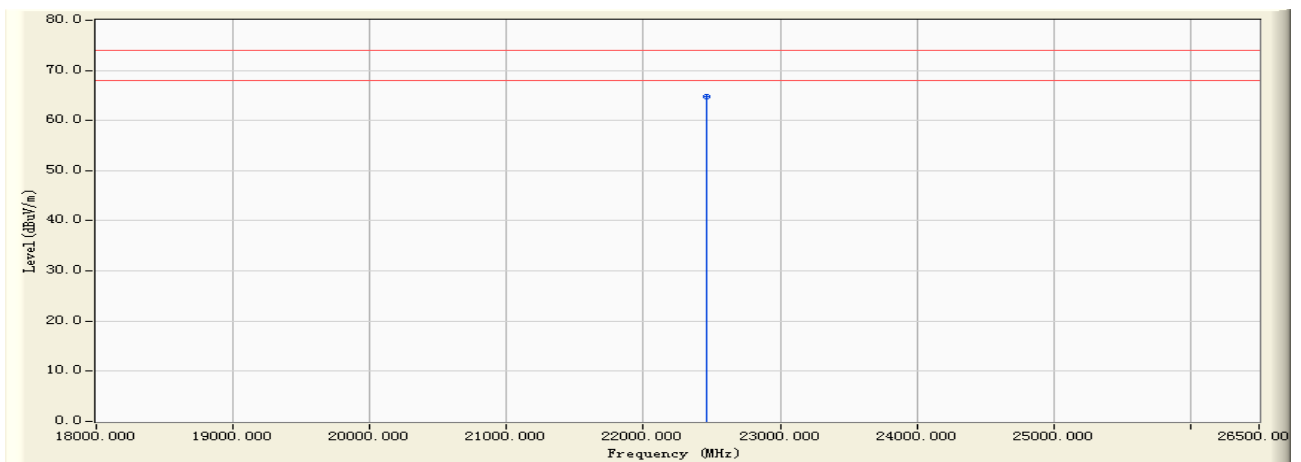
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21873.000	11.993	31.590	43.584	-10.416	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:55
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2452MHz)



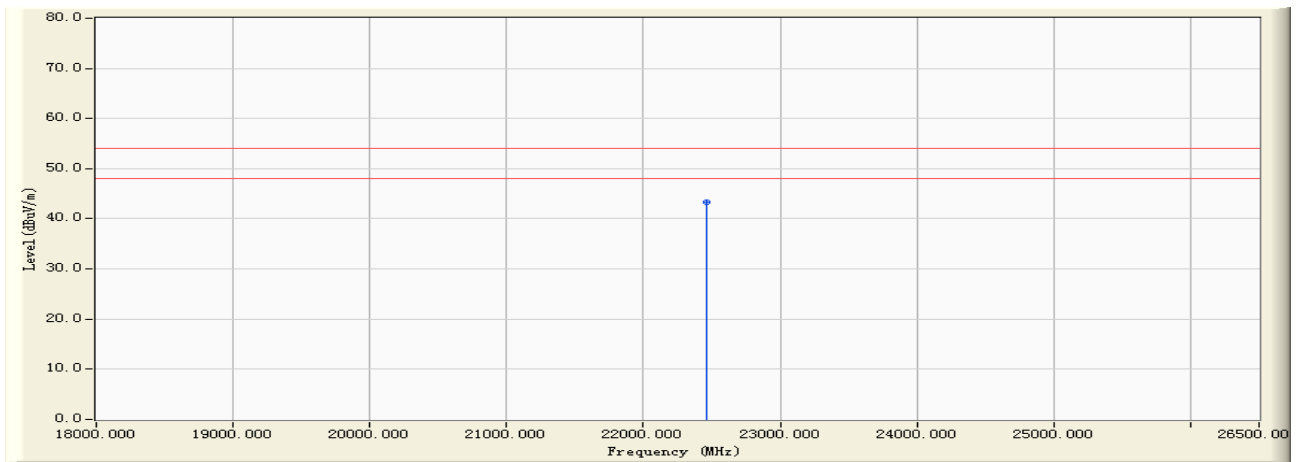
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22463.000	13.148	51.690	64.838	-9.162	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:55
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz)- HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2452MHz)



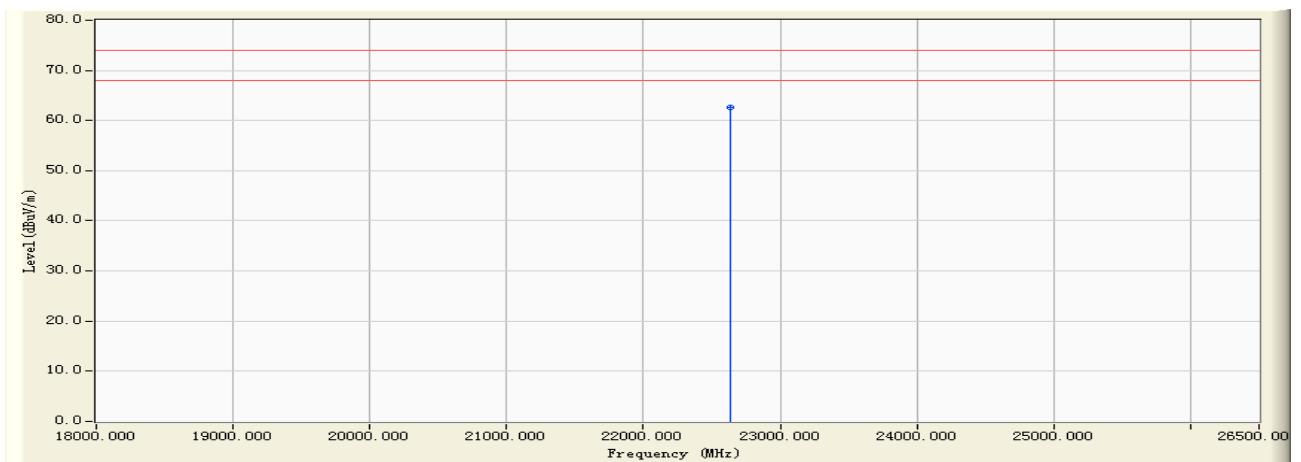
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22463.000	13.148	30.140	43.288	-10.712	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:55
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2452MHz)



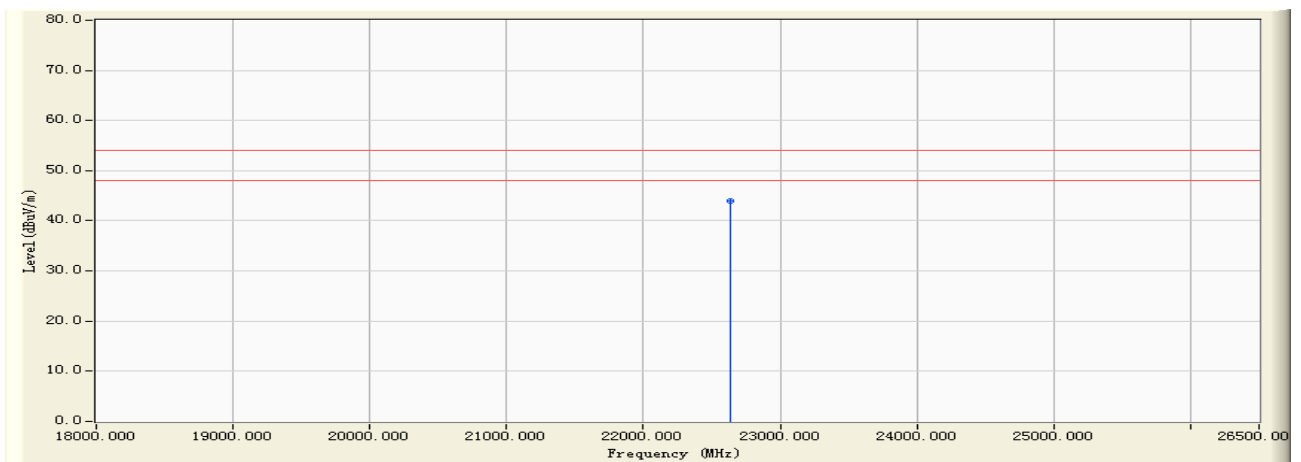
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22637.000	13.501	49.070	62.571	-11.429	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:55
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2452MHz)



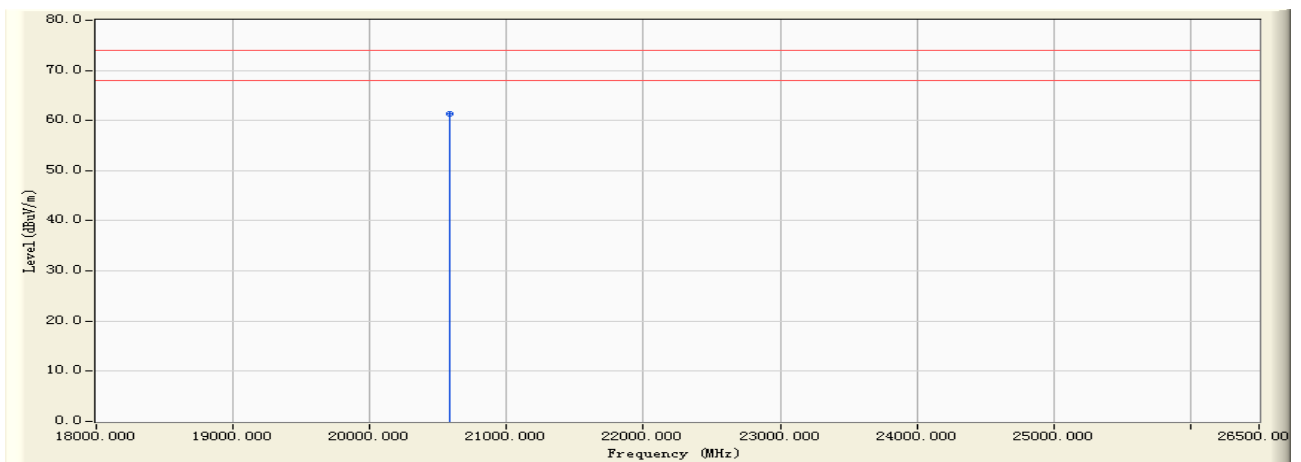
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22637.000	13.501	30.480	43.981	-10.019	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:56
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2422MHz)



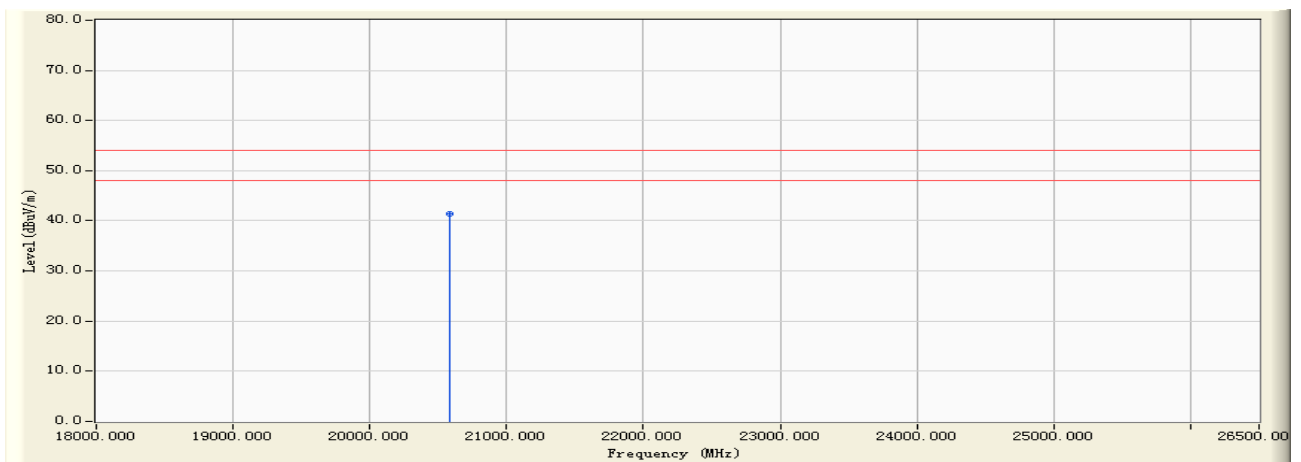
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20583.000	9.938	51.480	61.418	-12.582	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:56
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2422MHz)



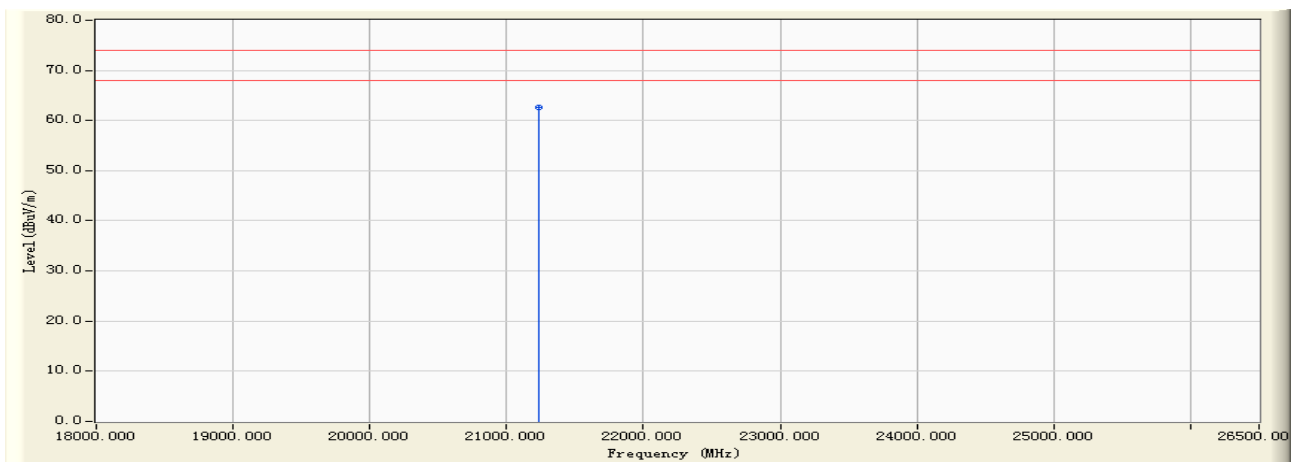
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20583.000	9.938	31.520	41.458	-12.542	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:57
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2422MHz)



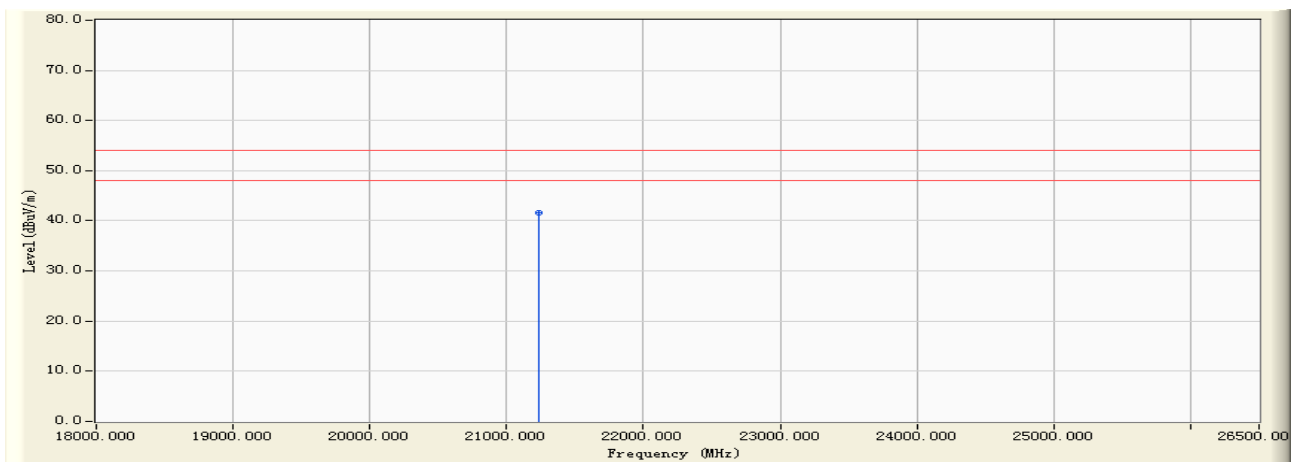
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21234.000	10.748	51.890	62.638	-11.362	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:57
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2422MHz)



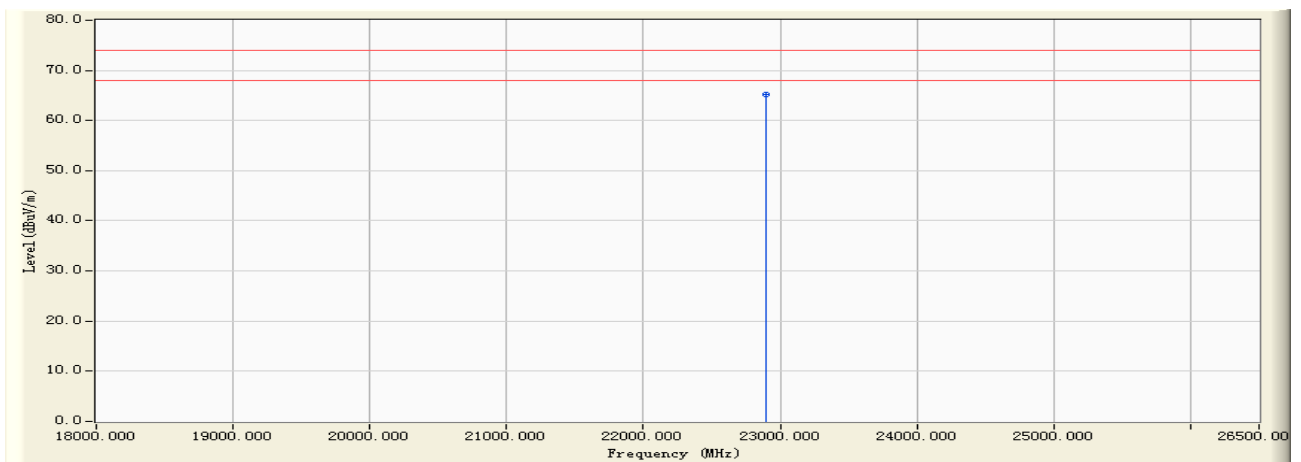
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21234.000	10.748	30.870	41.618	-12.382	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:58
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2437MHz)



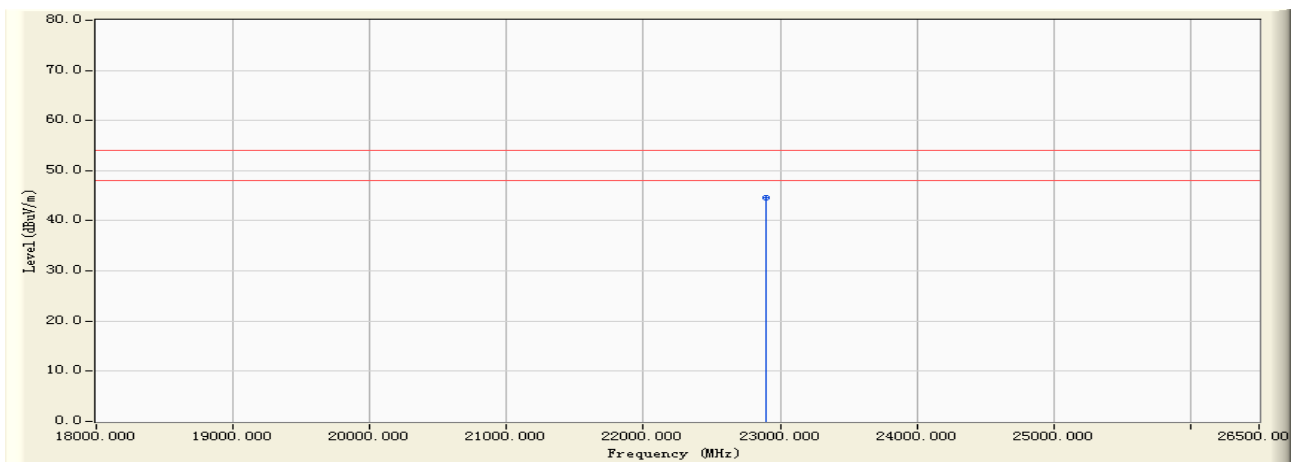
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22895.000	14.054	51.240	65.294	-8.706	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:58
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2437MHz)



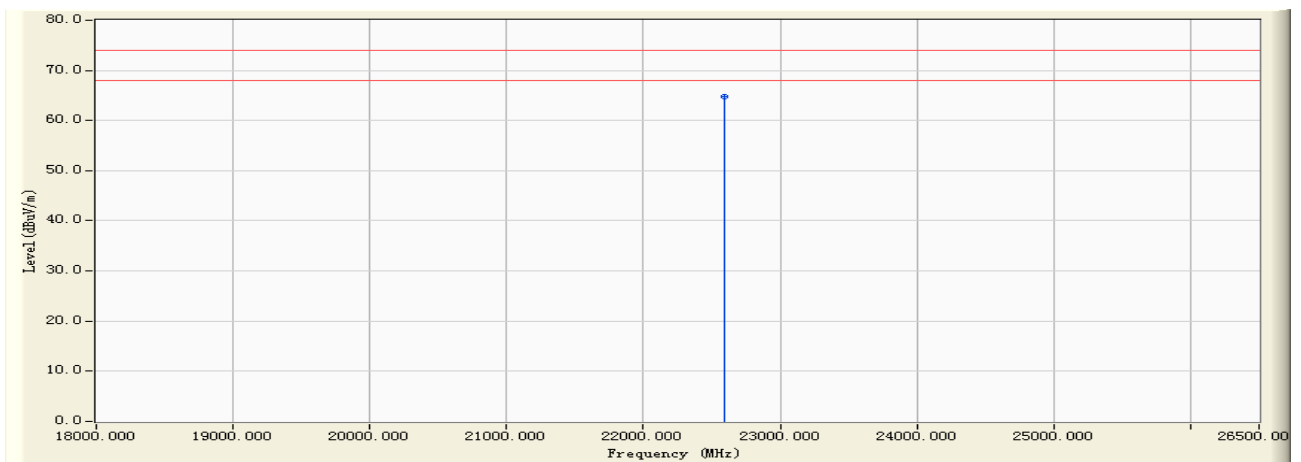
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22895.000	14.054	30.570	44.624	-9.376	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:58
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2437MHz)



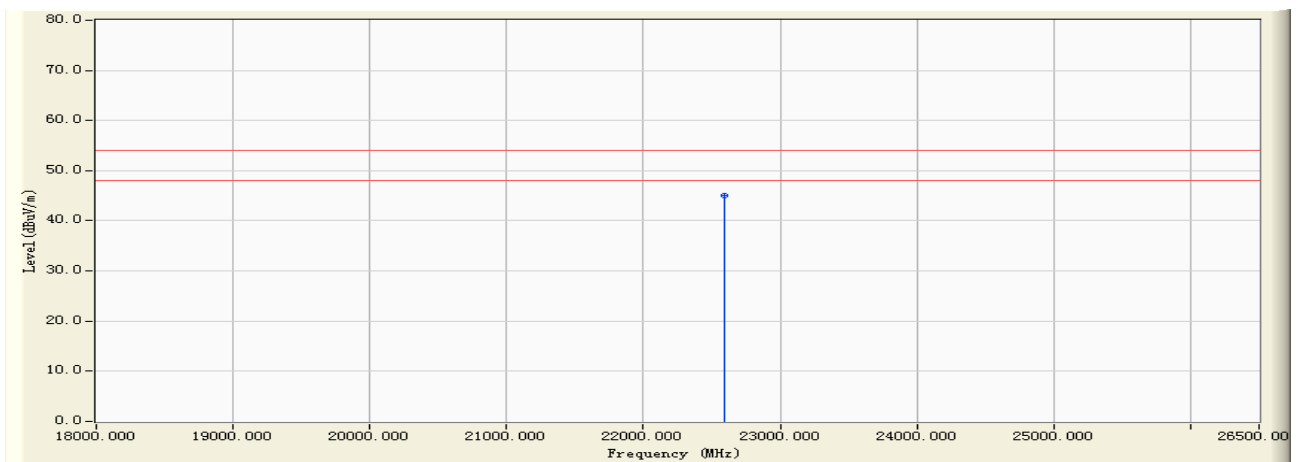
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22594.000	13.420	51.280	64.700	-9.300	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:58
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2437MHz)



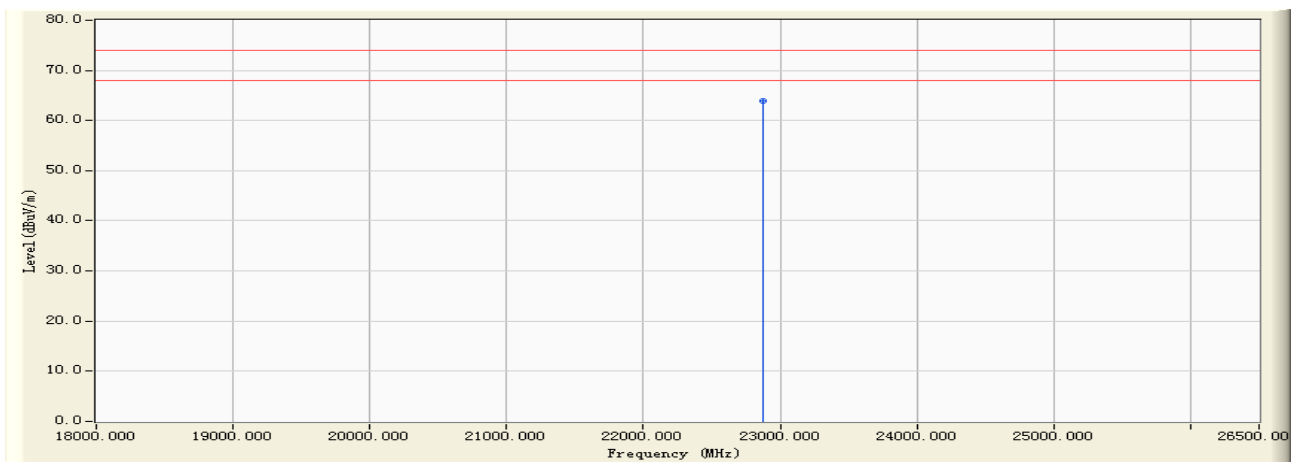
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22594.000	13.420	31.560	44.980	-9.020	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:59
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2452MHz)



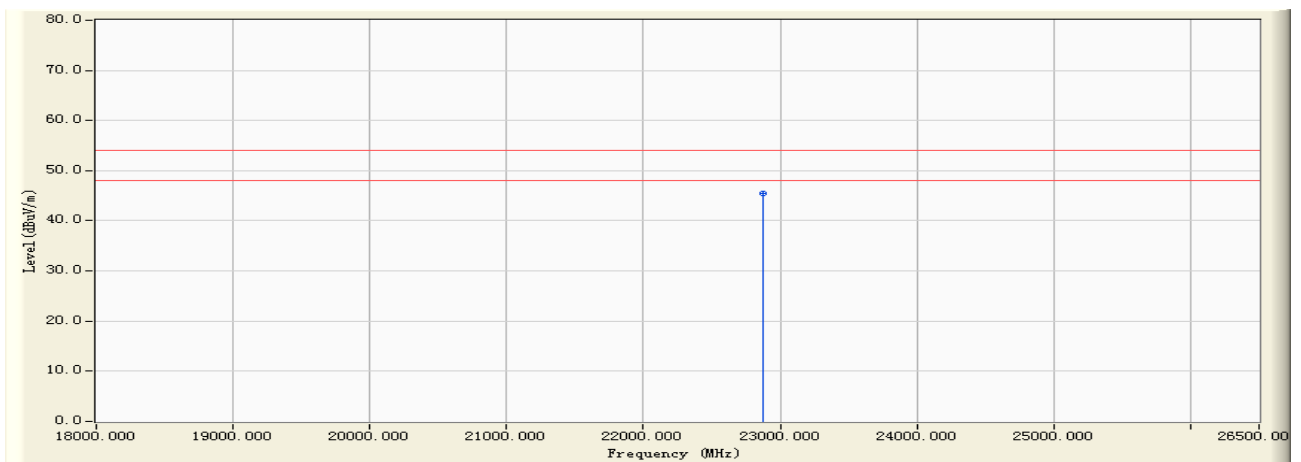
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22876.000	14.011	49.880	63.891	-10.109	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:59
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz)- HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2452MHz)



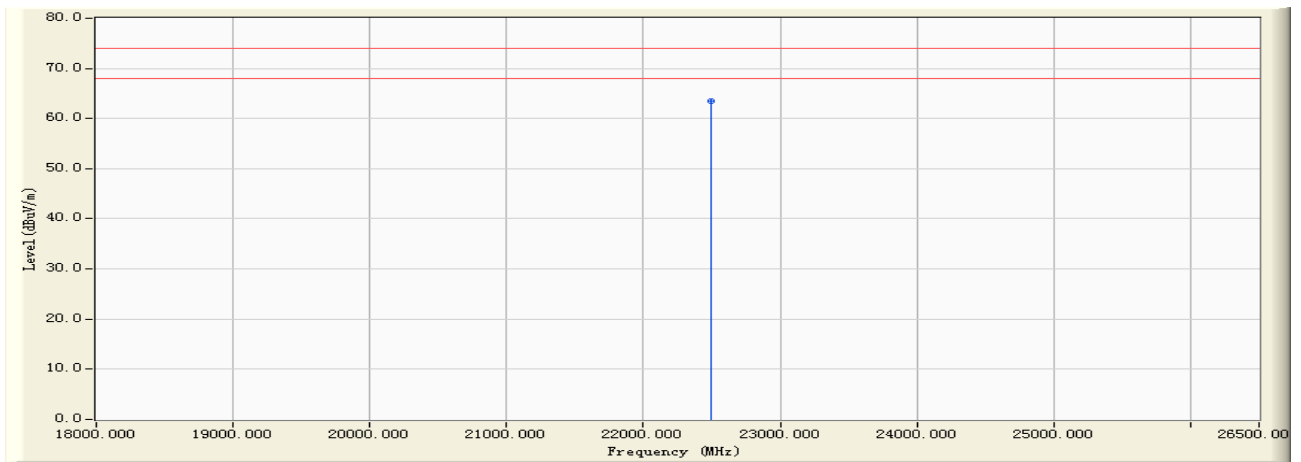
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22876.000	14.011	31.560	45.571	-8.429	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:59
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2452MHz)



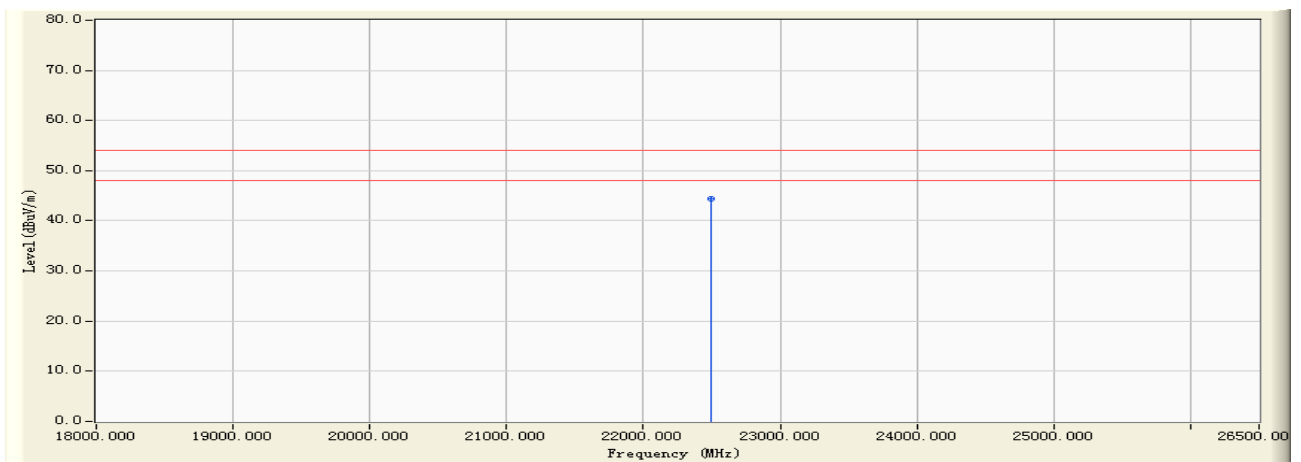
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22495.000	13.209	50.280	63.490	-10.510	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 19:59
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2452MHz)



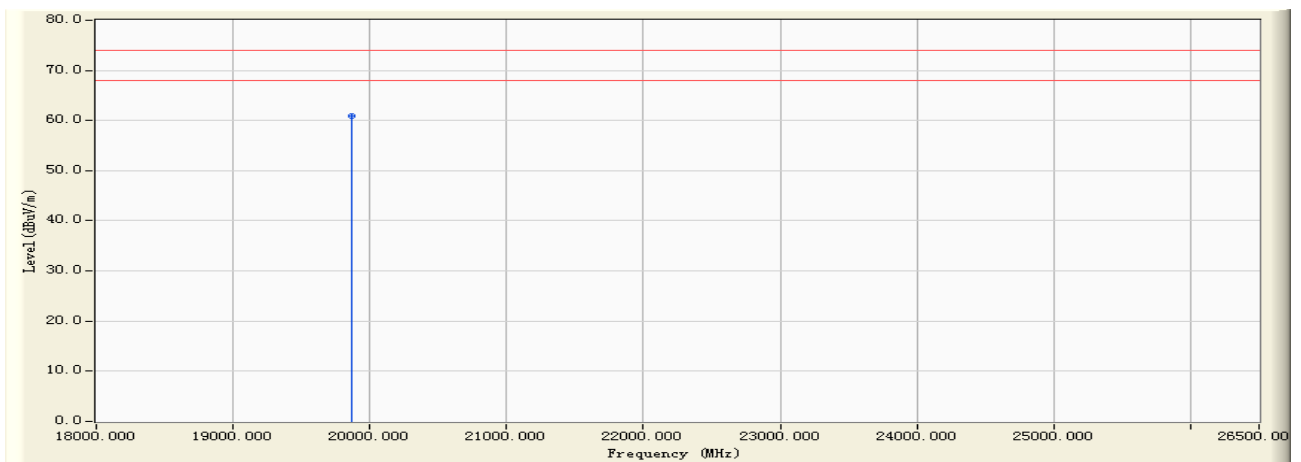
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22495.000	13.209	31.280	44.490	-9.510	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:00
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2412MHz)



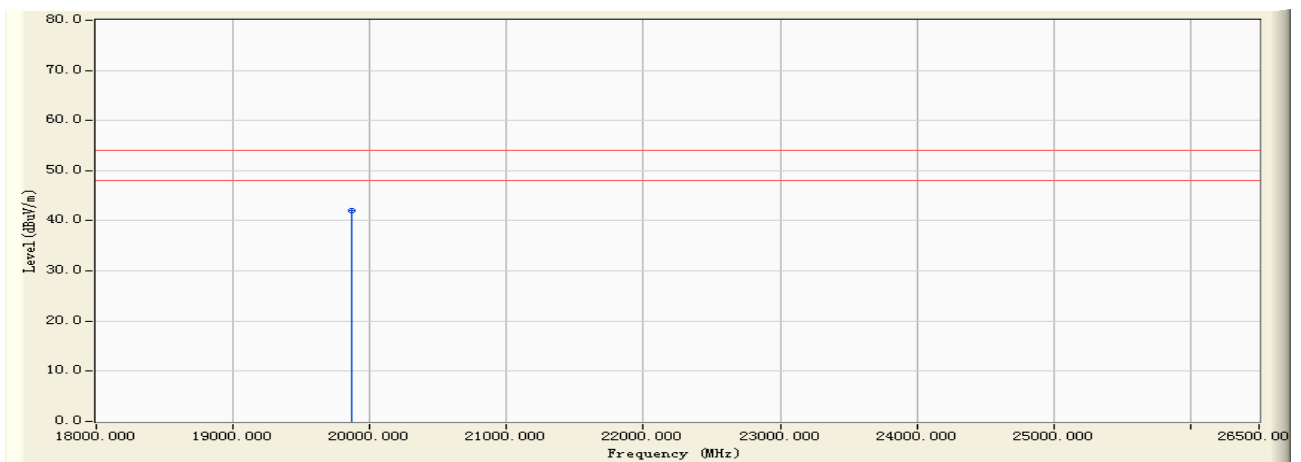
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19863.200	9.930	51.040	60.970	-13.030	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:00
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2412MHz)



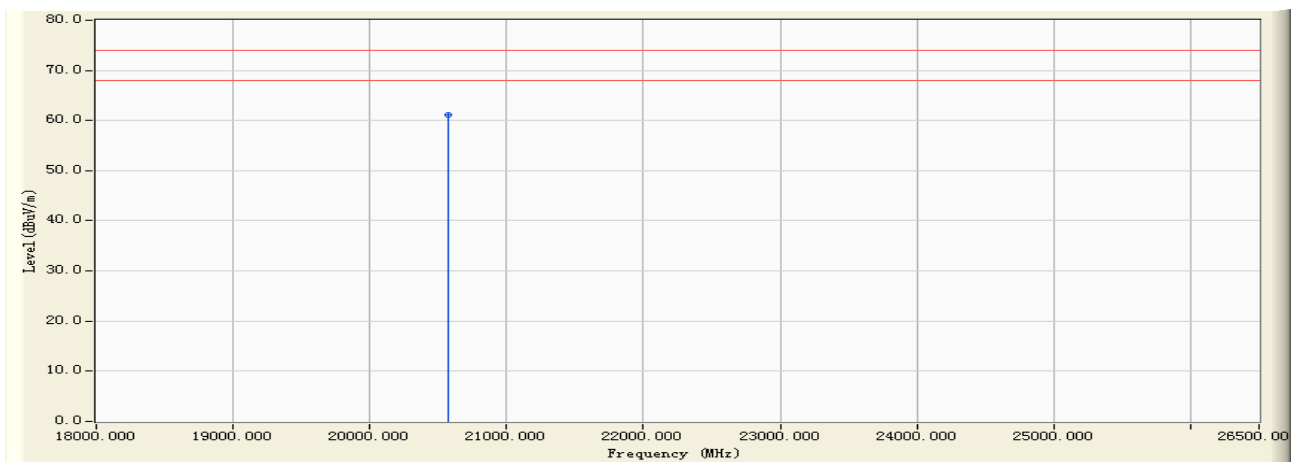
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19863.200	9.930	32.150	42.080	-11.920	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:01
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2412MHz)



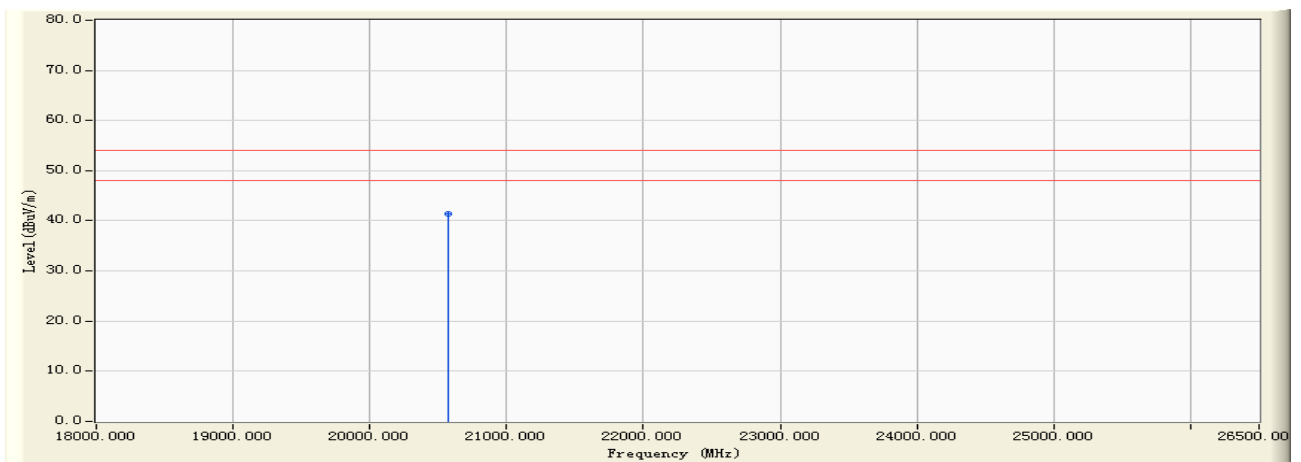
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20569.000	9.923	51.290	61.213	-12.787	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:01
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2412MHz)



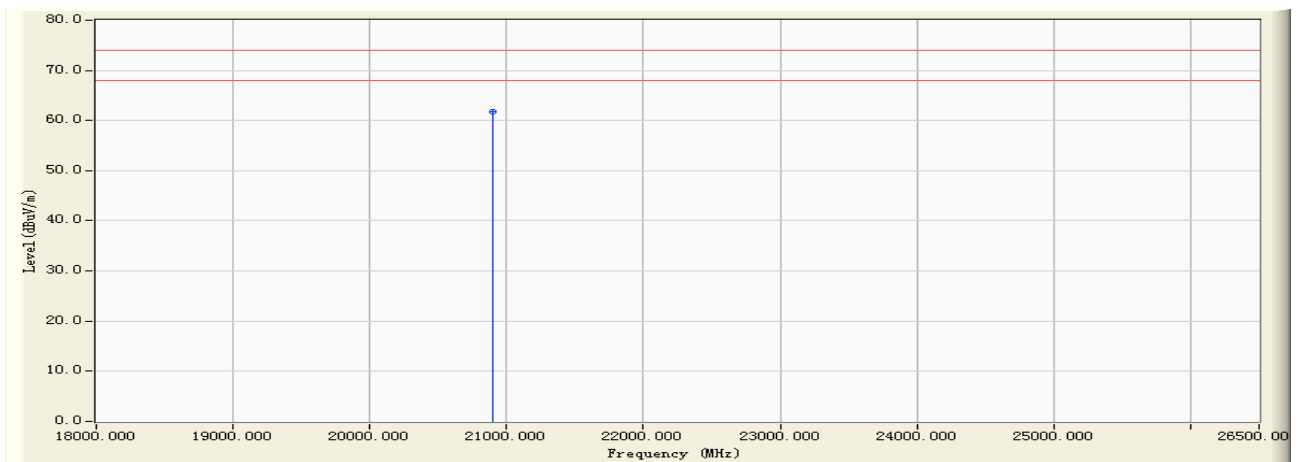
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20569.000	9.923	31.470	41.393	-12.607	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:02
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2437MHz)



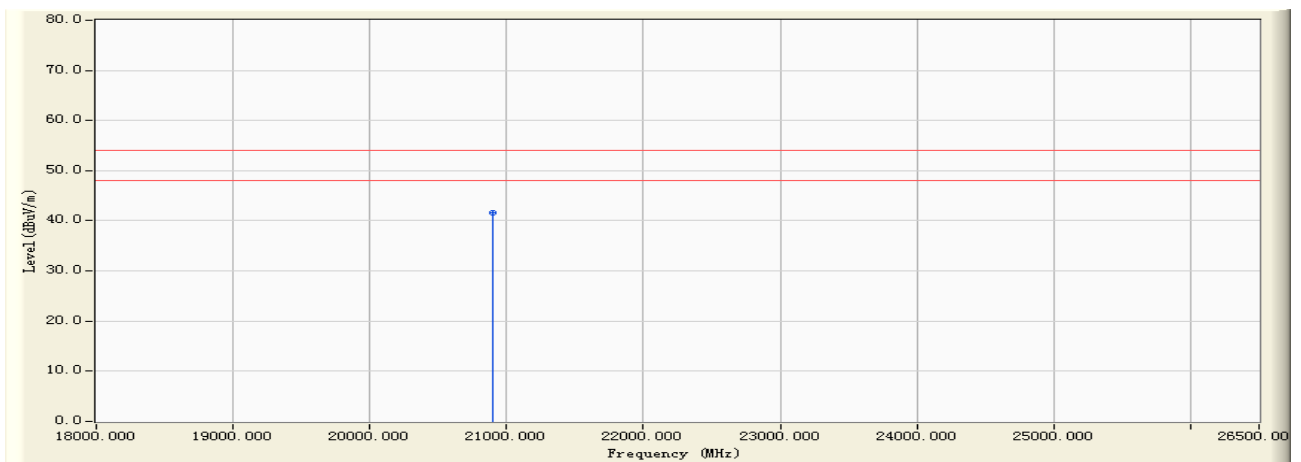
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20894.000	10.191	51.480	61.672	-12.328	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:02
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2437MHz)



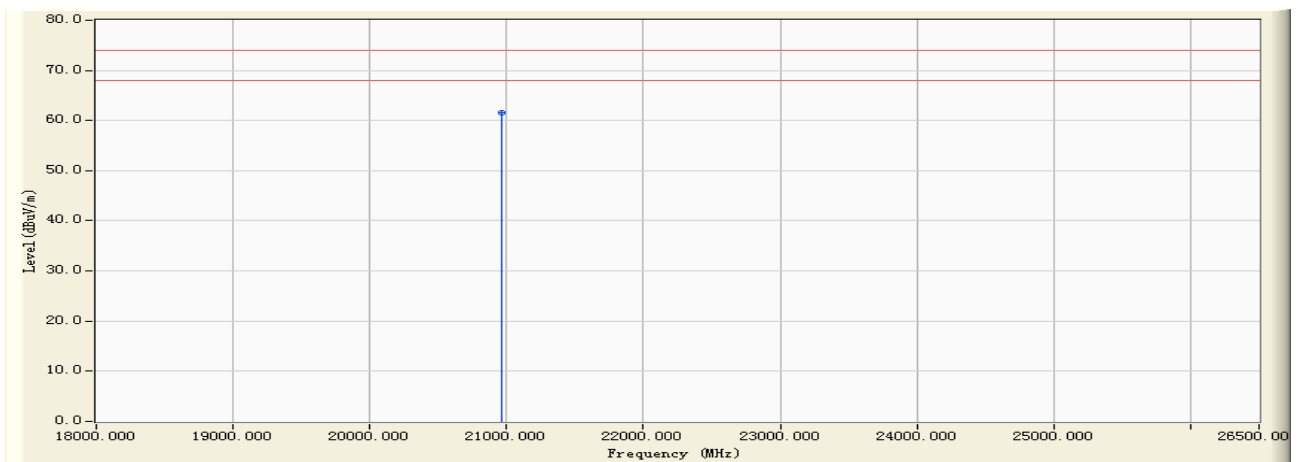
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20894.000	10.191	31.480	41.672	-12.328	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:02
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2437MHz)



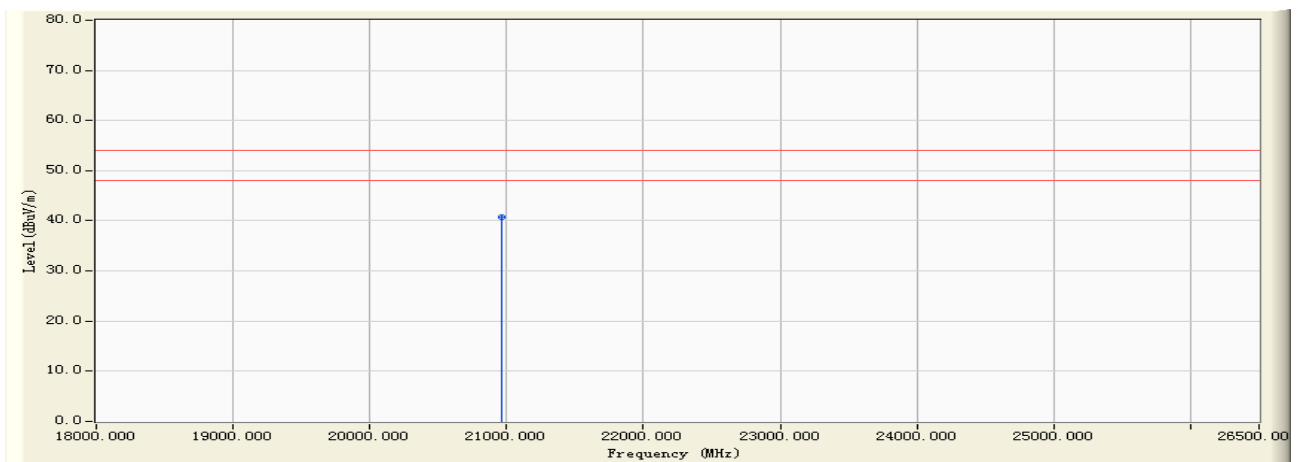
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20963.000	10.264	51.280	61.544	-12.456	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:02
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2437MHz)



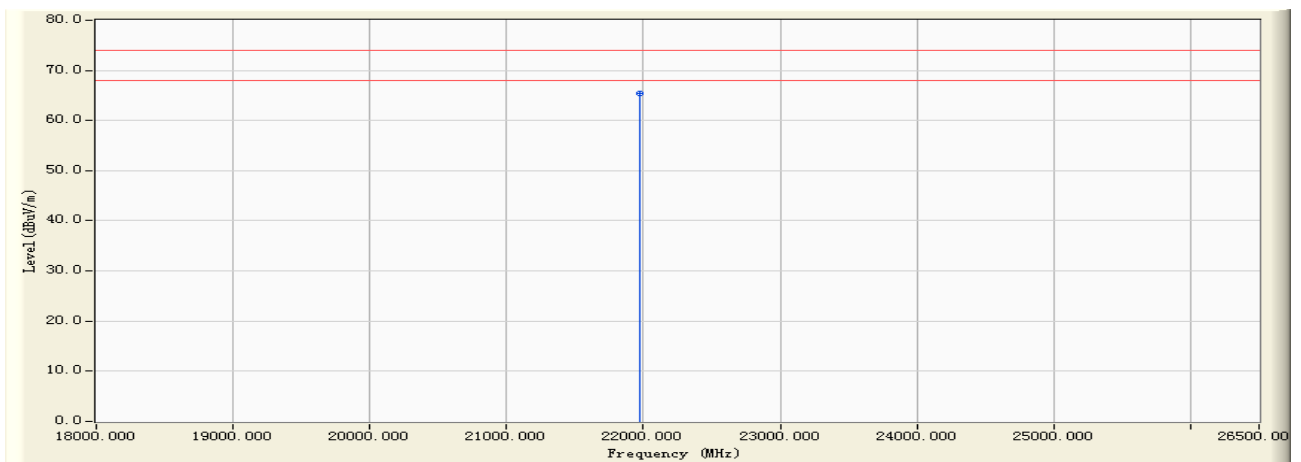
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20963.000	10.264	30.480	40.744	-13.256	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:03
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2462MHz)



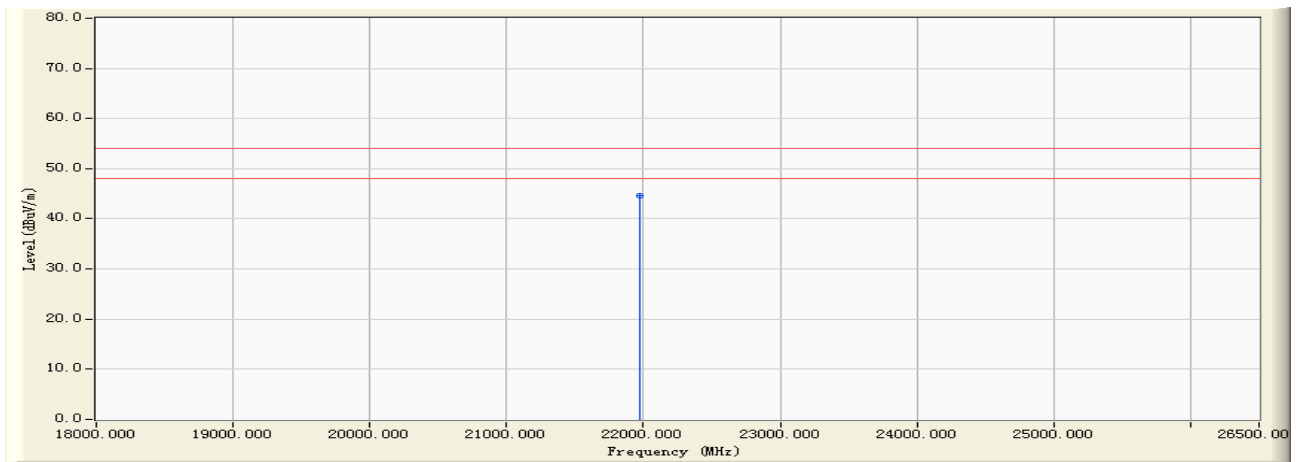
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21968.000	12.215	53.290	65.505	-8.495	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:03
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2462MHz)



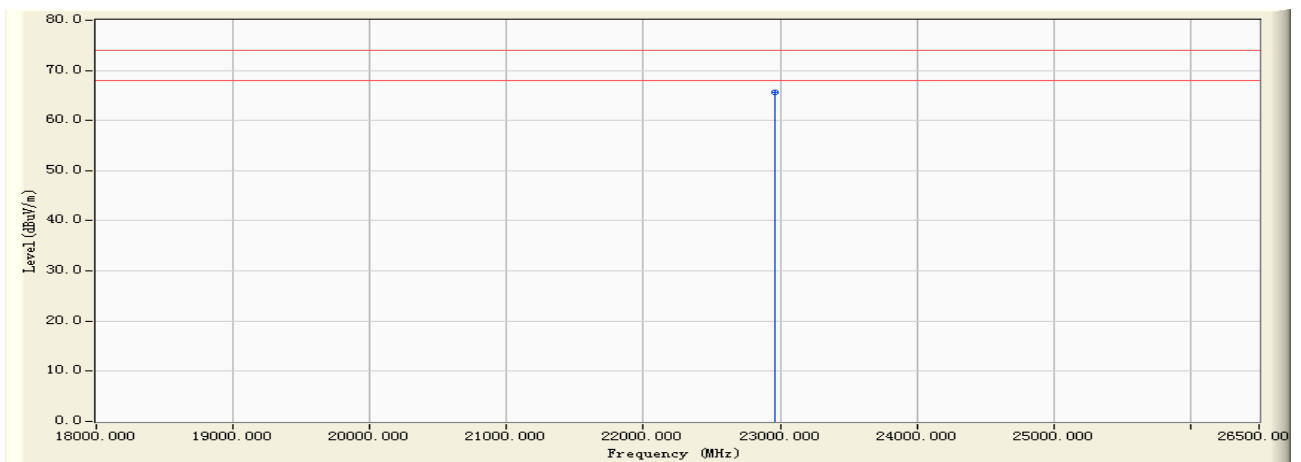
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21968.000	12.215	32.470	44.685	-9.315	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:03
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2462MHz)



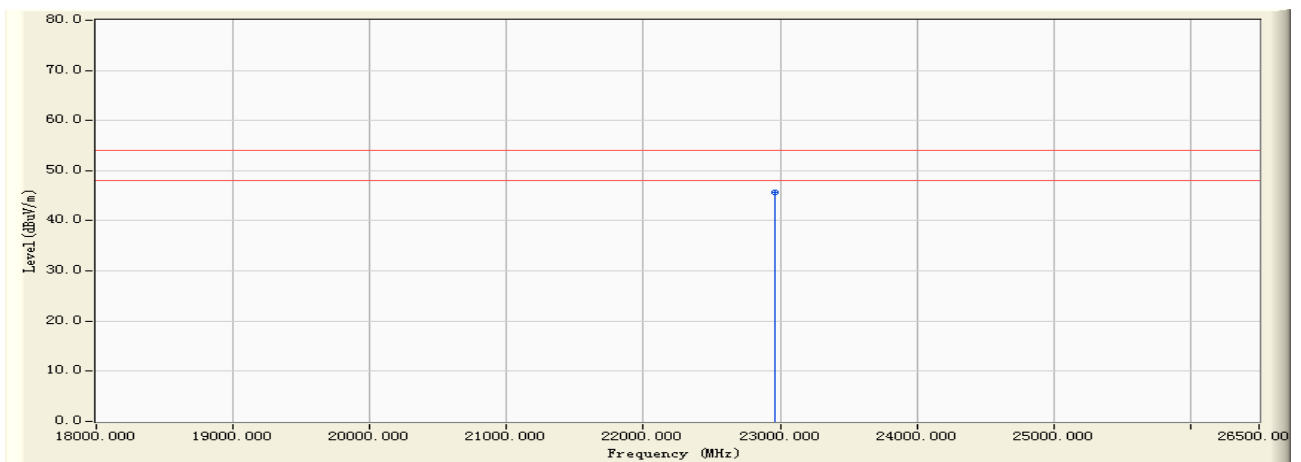
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22965.000	14.206	51.470	65.676	-8.324	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:04
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2462MHz)



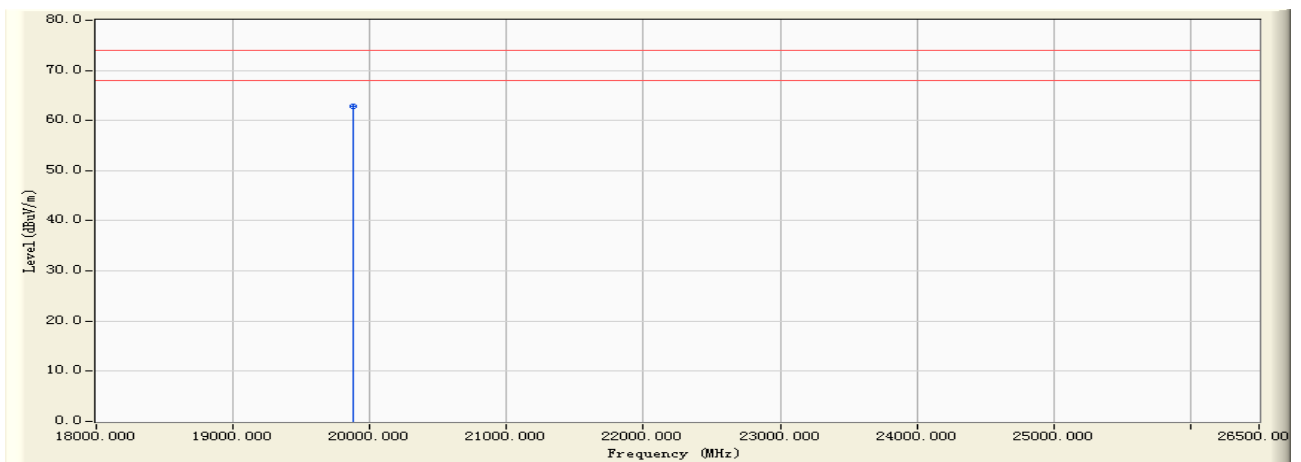
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22965.000	14.206	31.470	45.676	-8.324	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:04
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2412MHz)



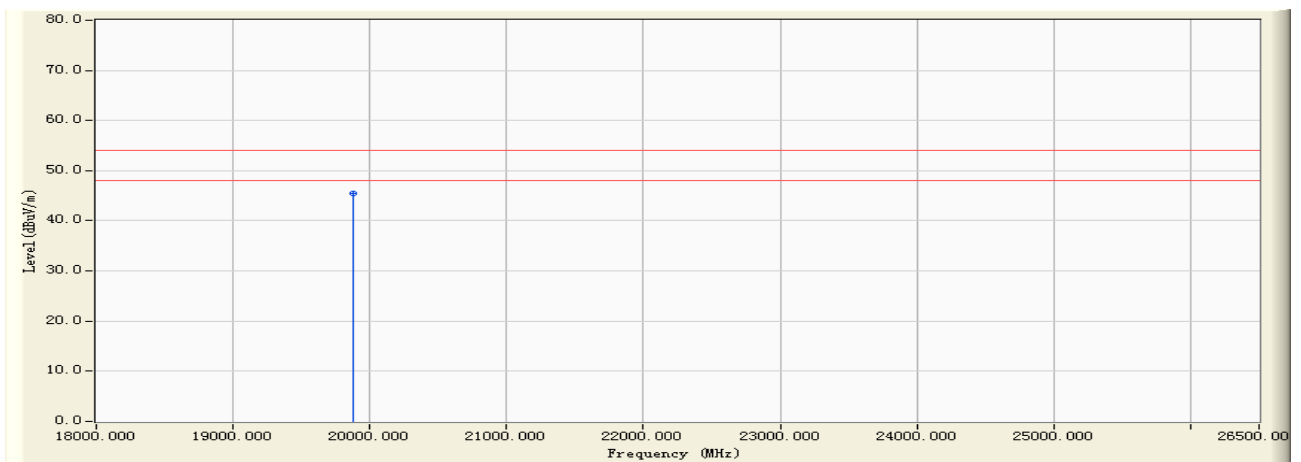
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19873.000	9.931	52.840	62.771	-11.229	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:04
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2412MHz)



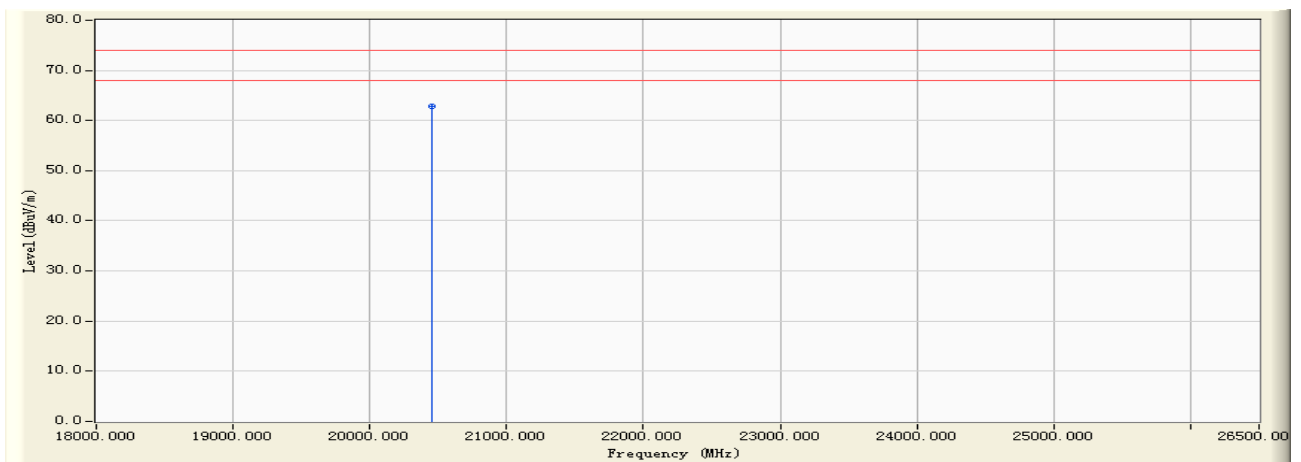
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19873.000	9.931	35.640	45.571	-8.429	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:05
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2412MHz)



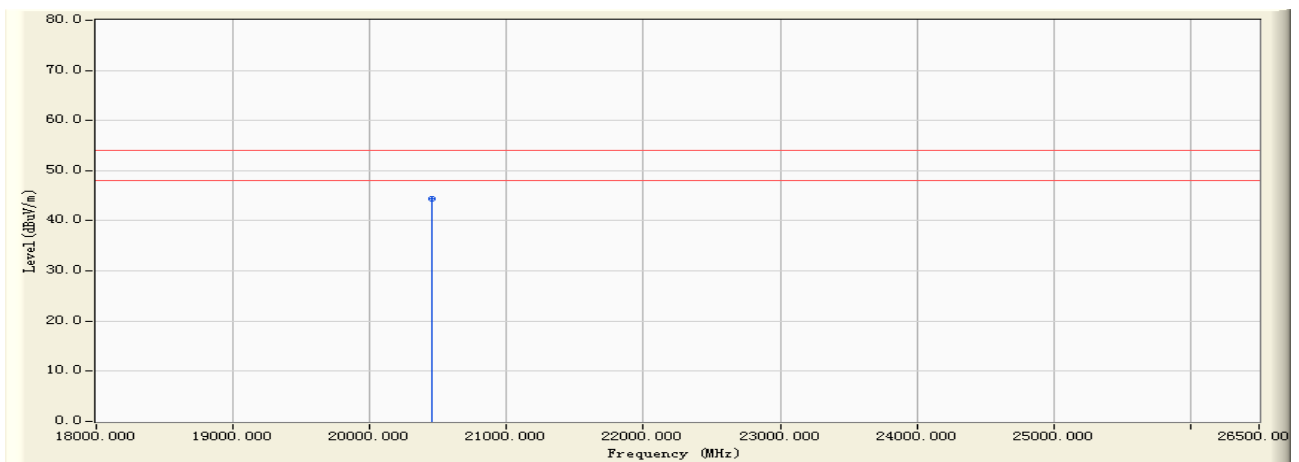
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20451.000	9.867	52.890	62.757	-11.243	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:05
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2412MHz)



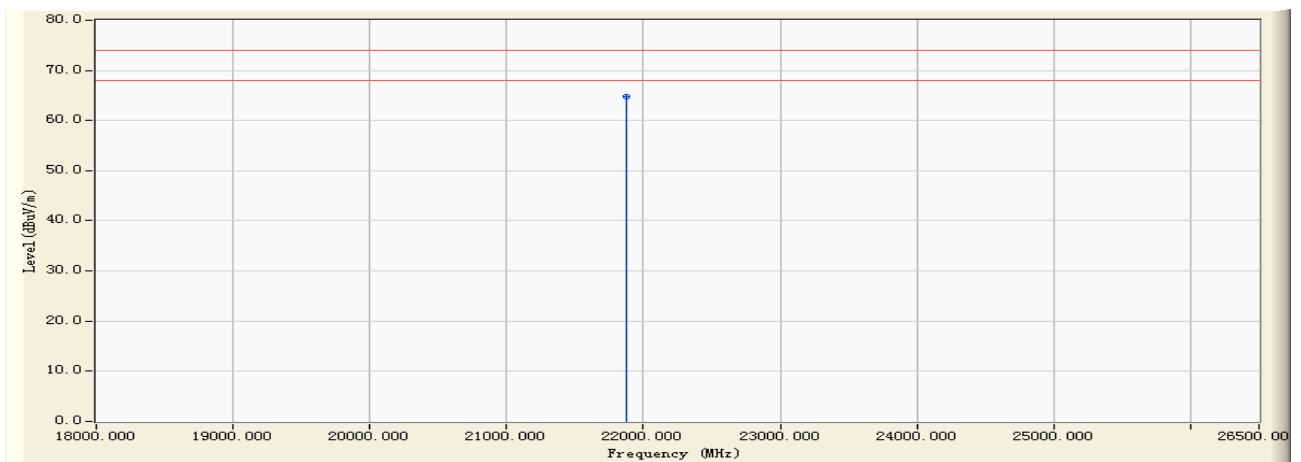
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20451.000	9.867	34.590	44.457	-9.543	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:05
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2437MHz)



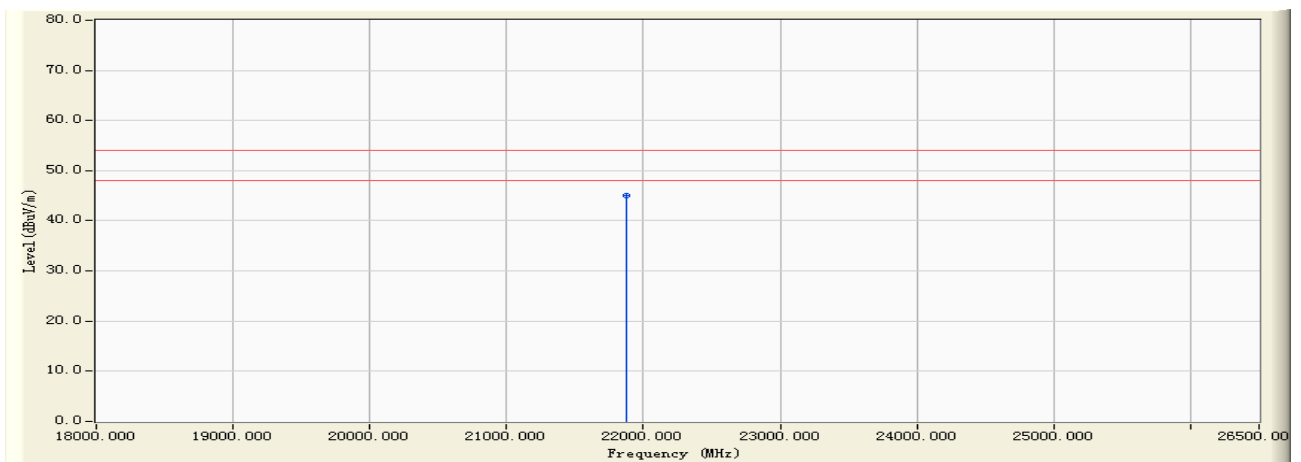
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21872.000	11.992	52.850	64.842	-9.158	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:05
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2437MHz)



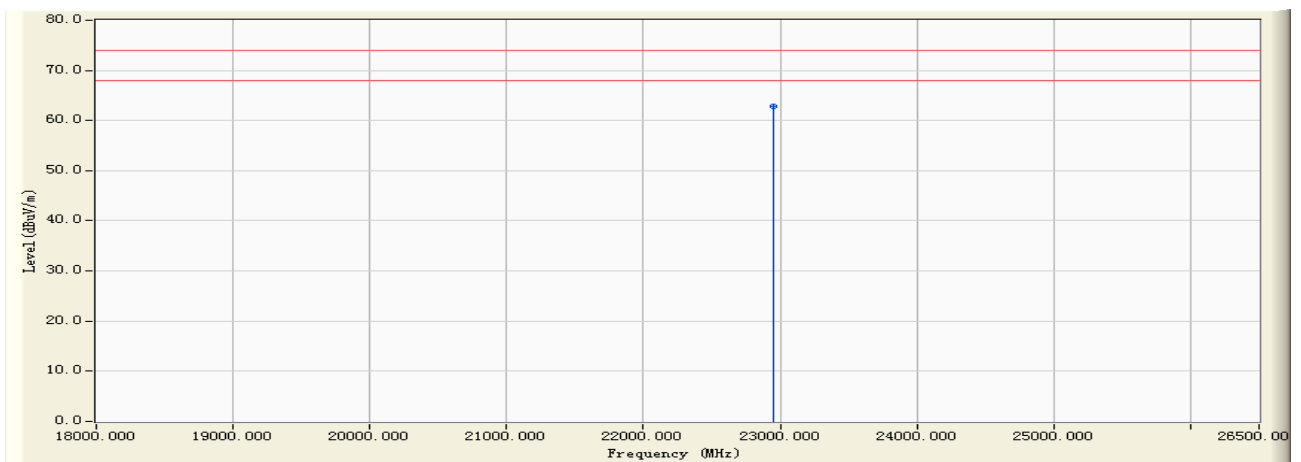
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21872.000	11.992	33.020	45.012	-8.988	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:06
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2437MHz)



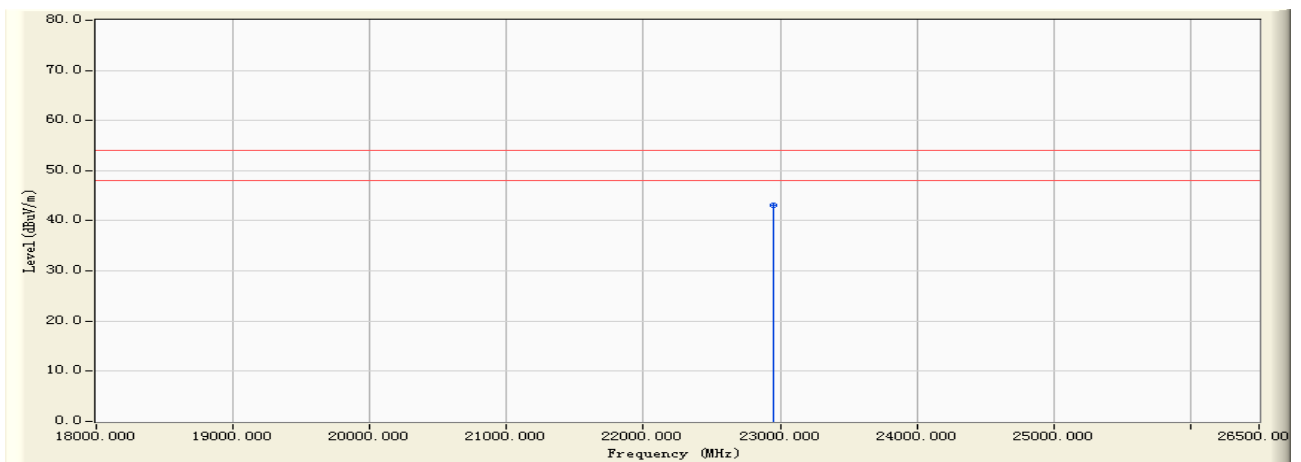
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22954.000	14.179	48.740	62.919	-11.081	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:06
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2437MHz)



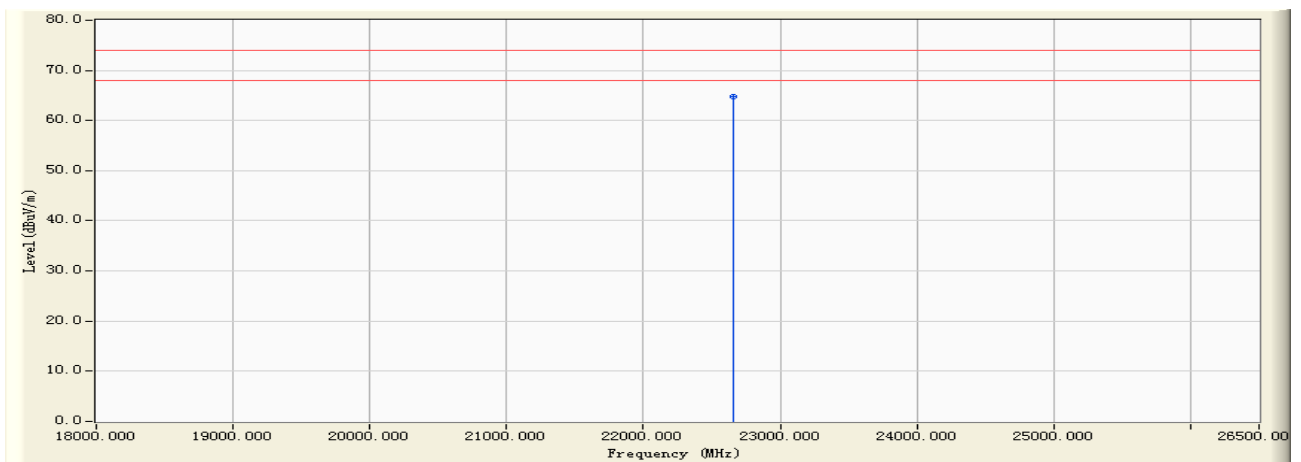
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22954.000	14.179	28.970	43.149	-10.851	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:07
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2452MHz)



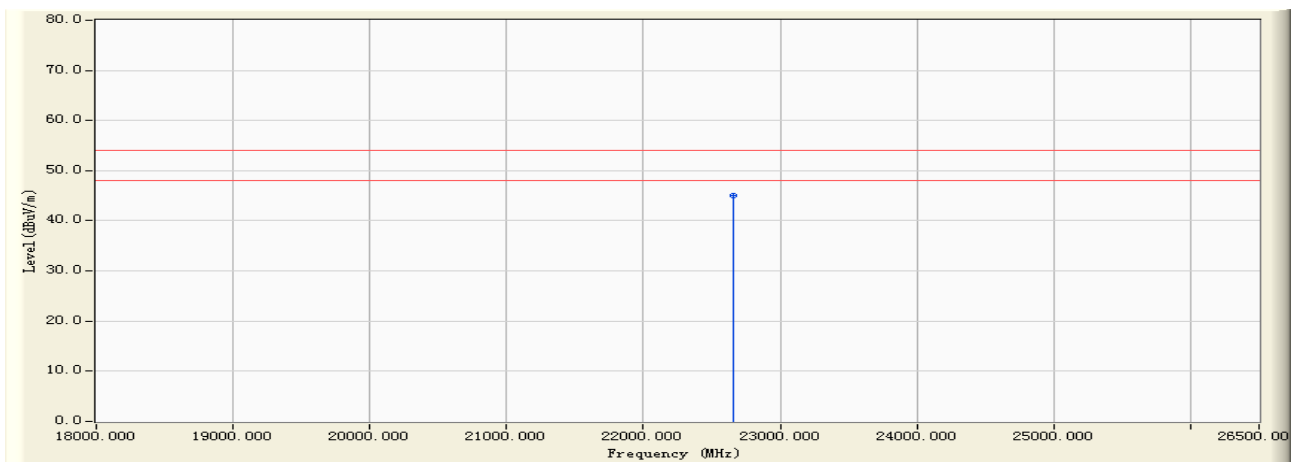
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22657.000	13.540	51.260	64.800	-9.200	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:07
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2452MHz)



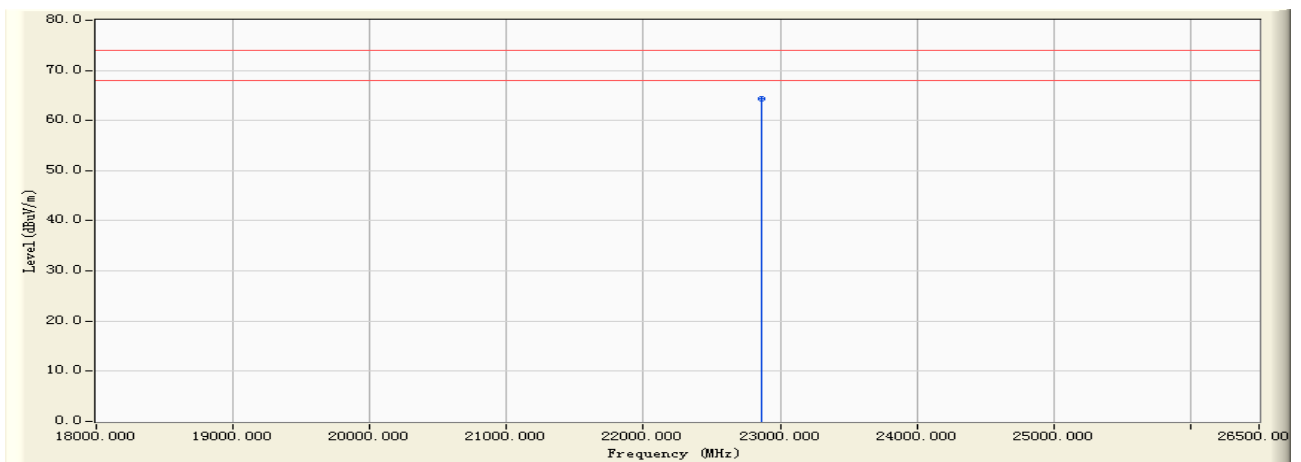
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22657.000	13.540	31.480	45.020	-8.980	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:08
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2452MHz)



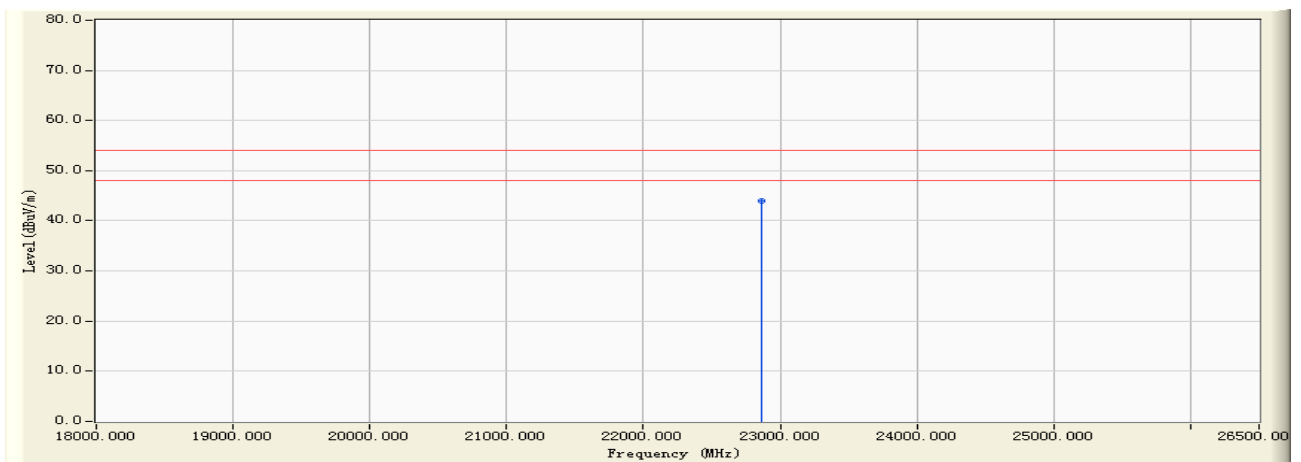
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22863.000	13.978	50.470	64.448	-9.552	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 20:08
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2452MHz)



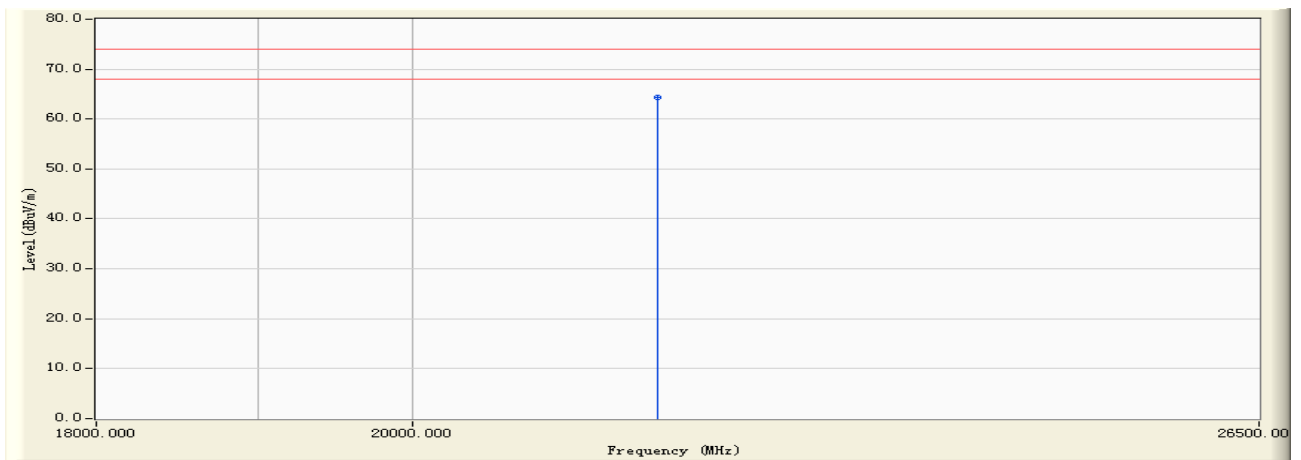
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22863.000	13.978	30.050	44.028	-9.972	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:01
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2412MHz)



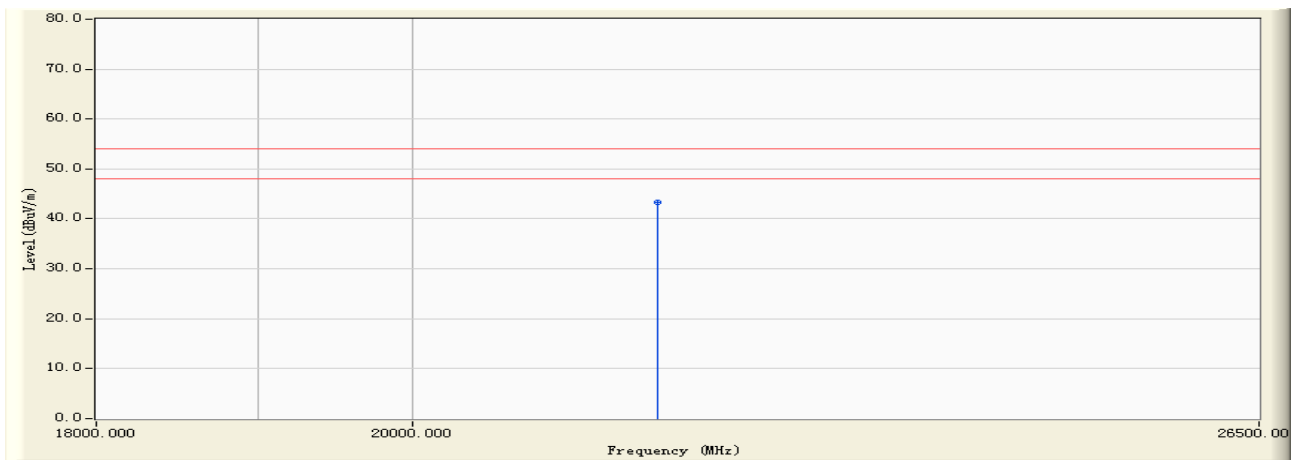
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21695.000	11.635	52.690	64.325	-9.675	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:01
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2412MHz)



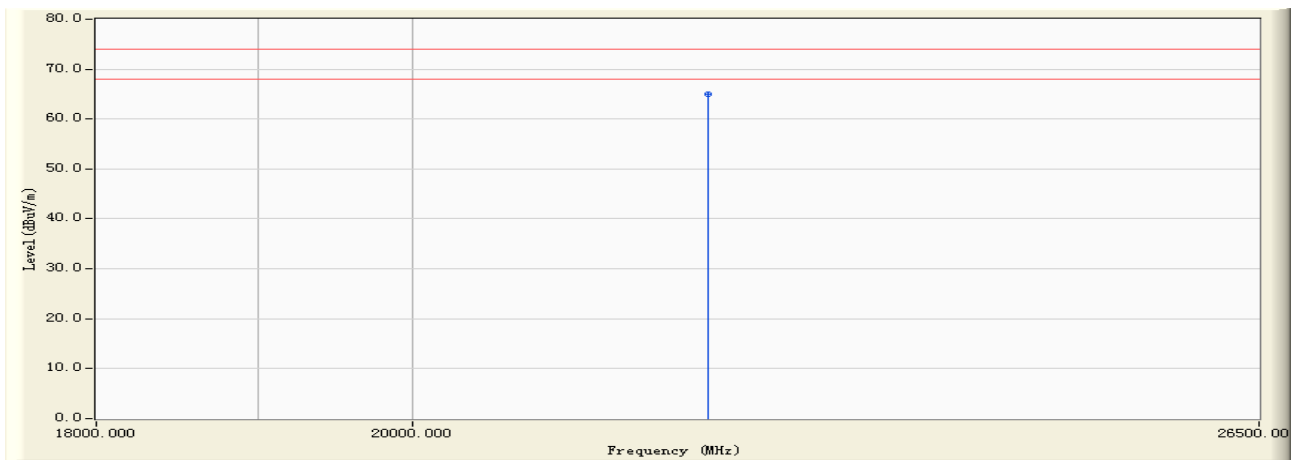
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21695.000	11.635	31.680	43.315	-10.685	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:01
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2412MHz)



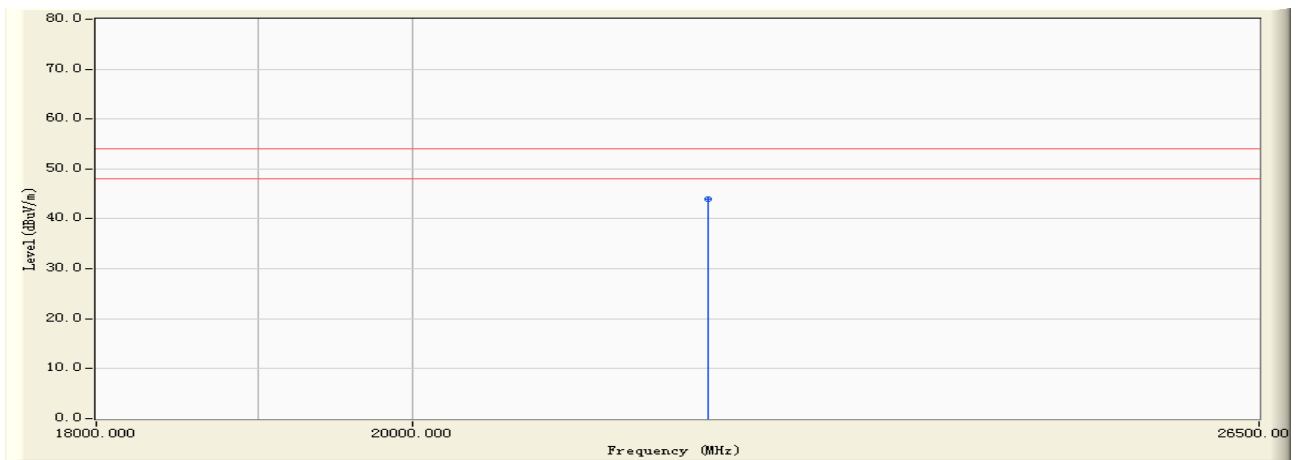
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22065.000	12.394	52.630	65.024	-8.976	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:01
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2412MHz)



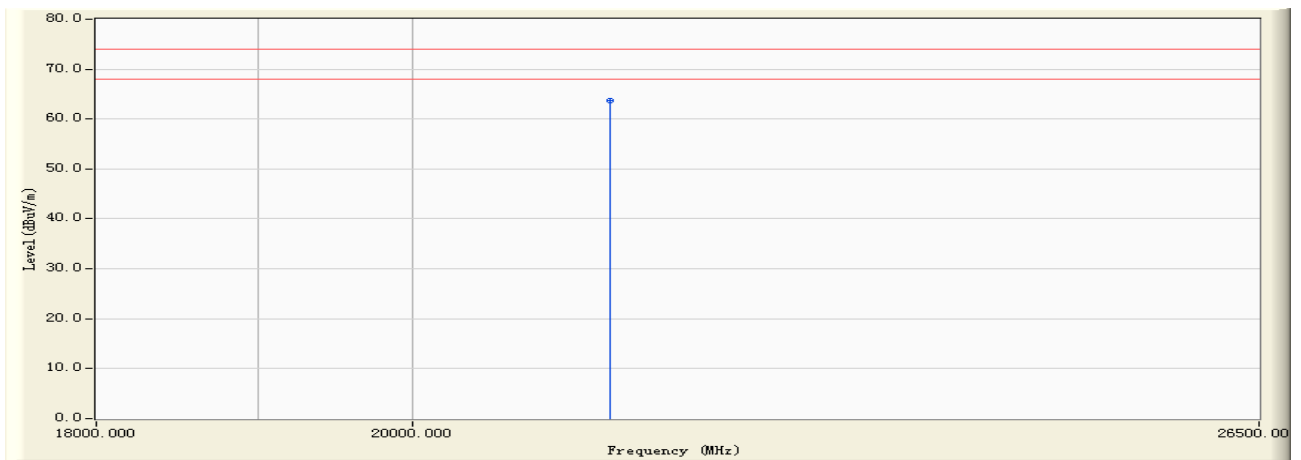
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22065.000	12.394	31.570	43.964	-10.036	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:02
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2437MHz)



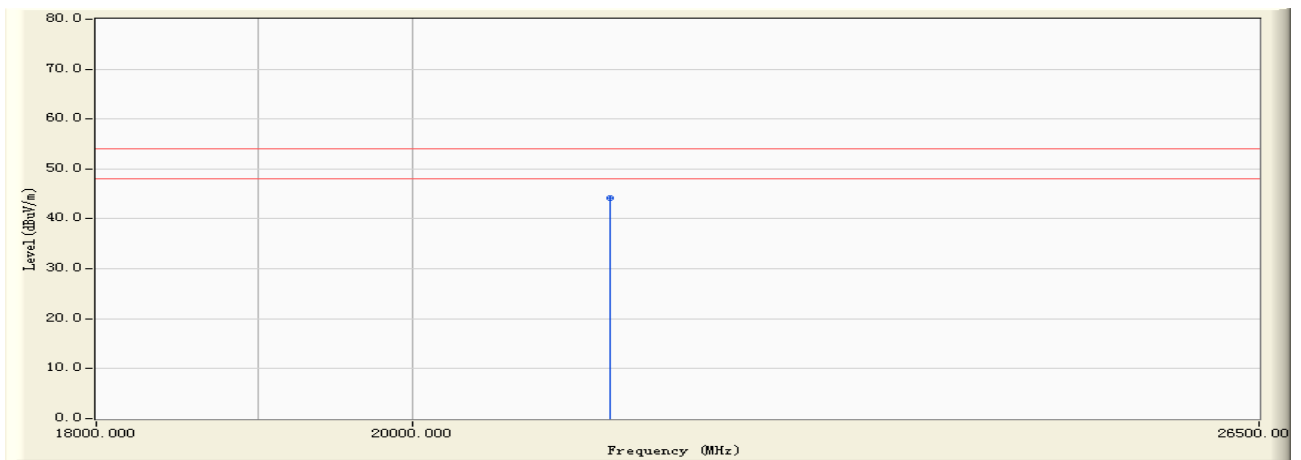
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21357.000	10.994	52.640	63.633	-10.367	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:02
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2437MHz)



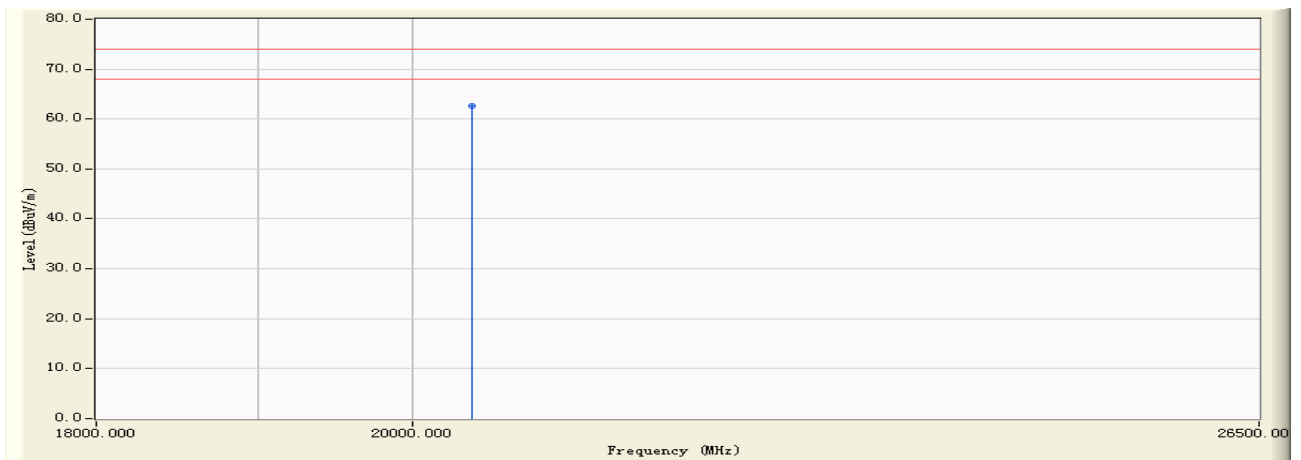
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21357.000	10.994	33.170	44.163	-9.837	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:02
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2437MHz)



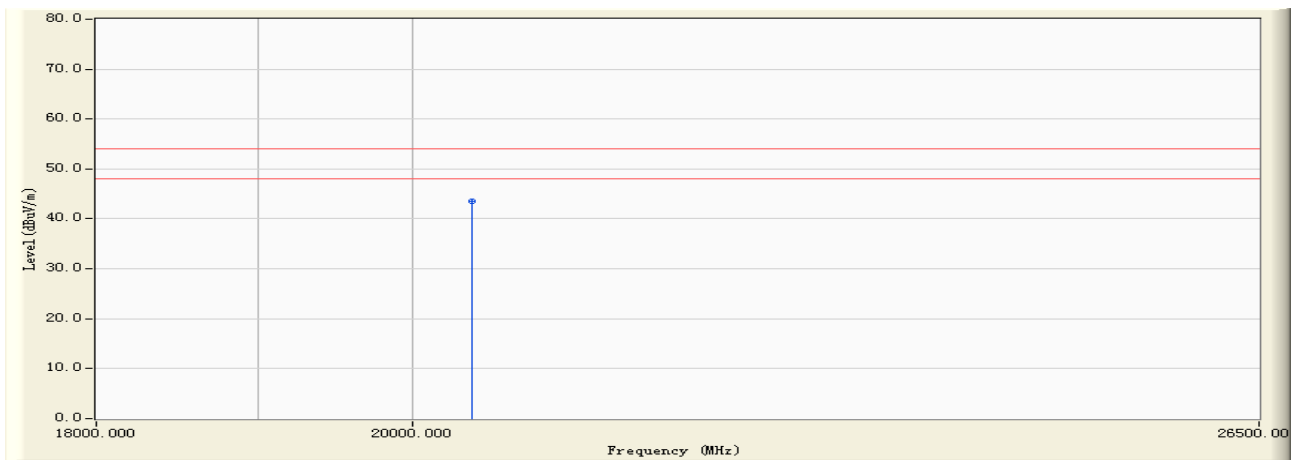
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20394.000	9.870	52.680	62.550	-11.450	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:02
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2437MHz)



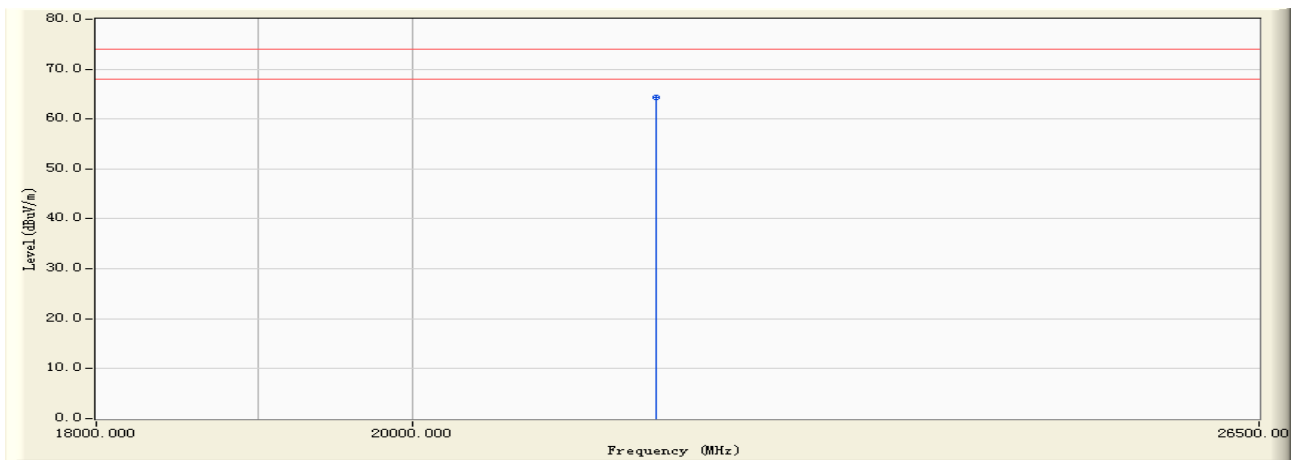
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	20394.000	9.870	33.610	43.480	-10.520	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:03
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2462MHz)



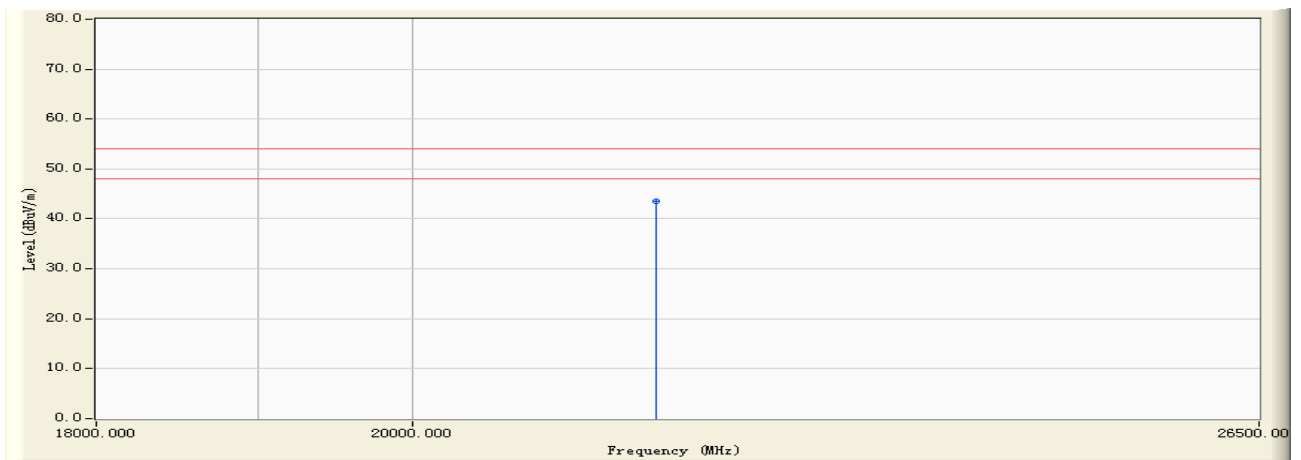
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21684.000	11.618	52.630	64.247	-9.753	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:03
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2462MHz)



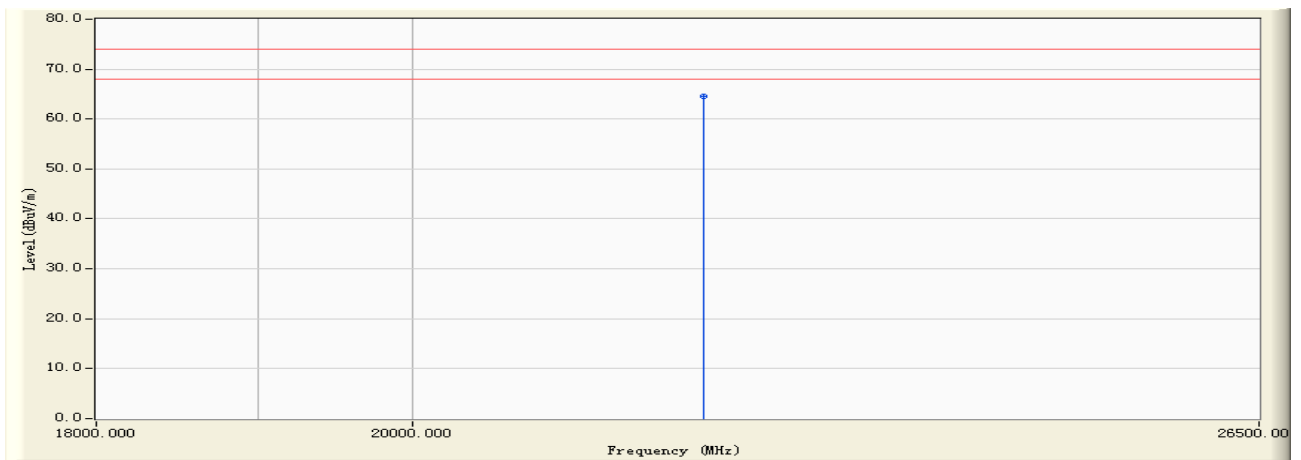
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21684.000	11.618	31.990	43.607	-10.393	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:04
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2462MHz)



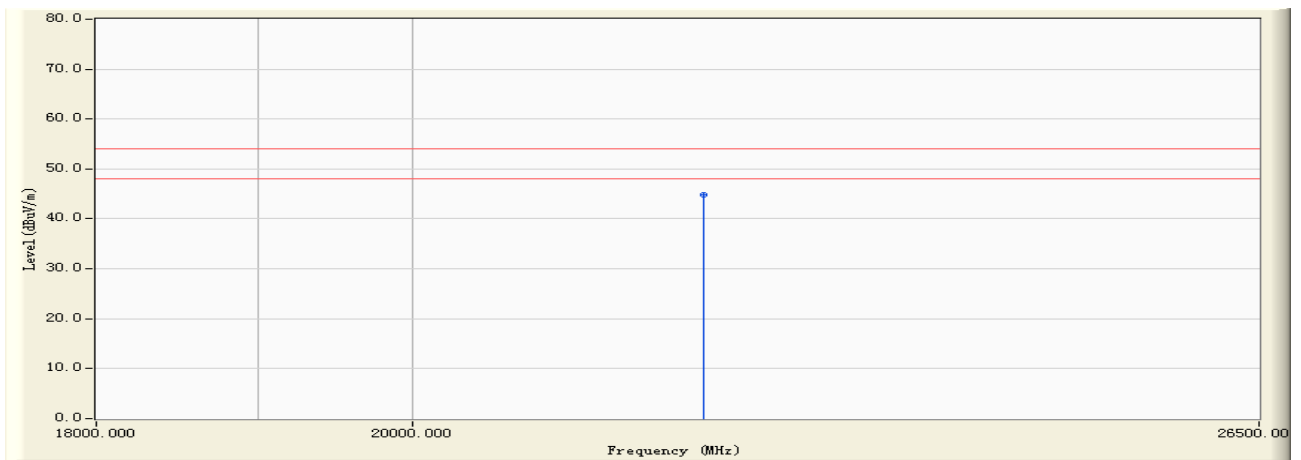
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22035.000	12.346	52.160	64.506	-9.494	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:04
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2462MHz)



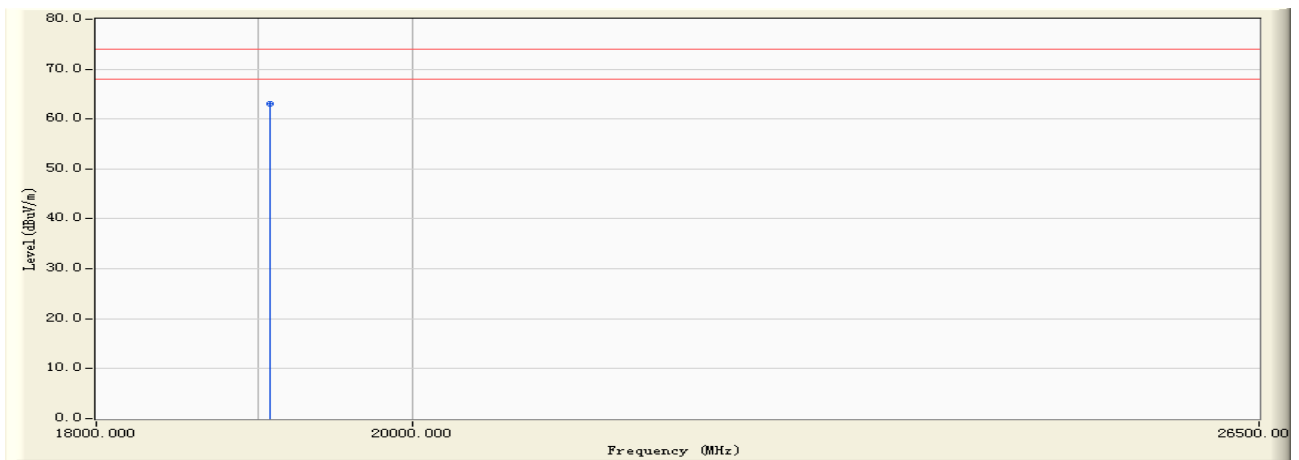
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22035.000	12.346	32.470	44.816	-9.184	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:04
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2422MHz)



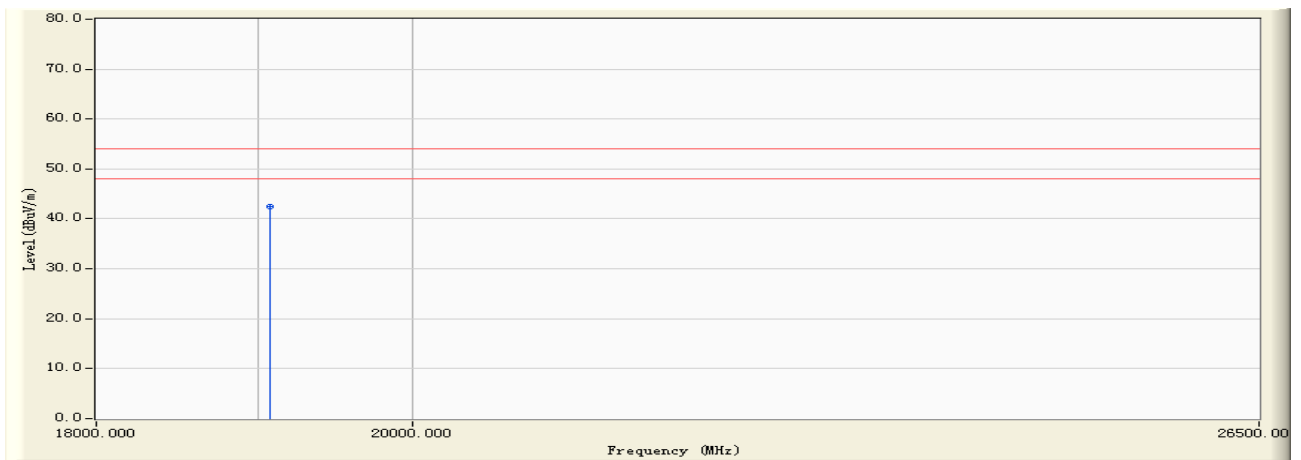
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19068.000	9.867	53.210	63.077	-10.923	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:04
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2422MHz)



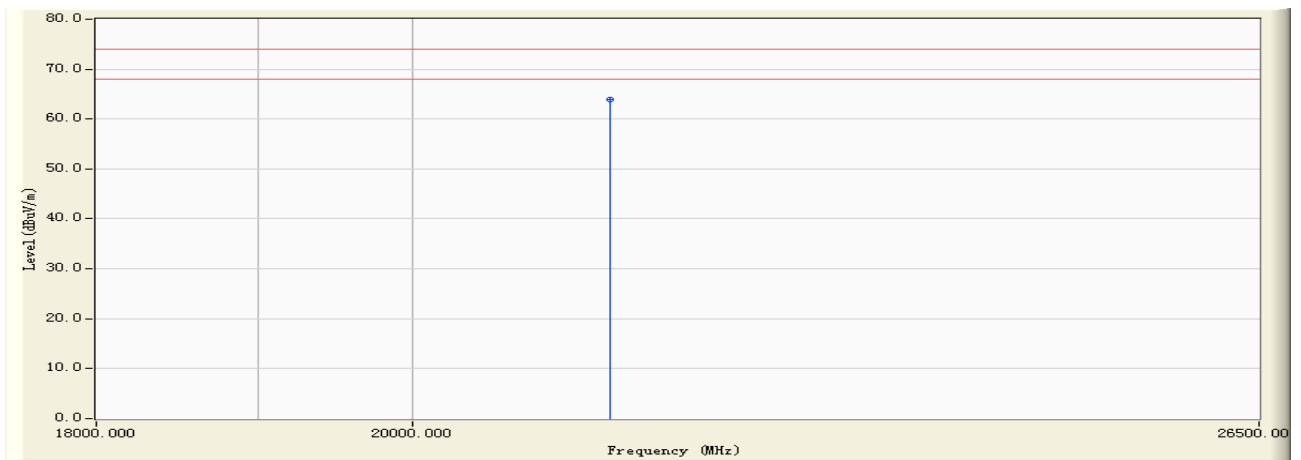
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	19068.000	9.867	32.650	42.517	-11.483	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:05
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2422MHz)



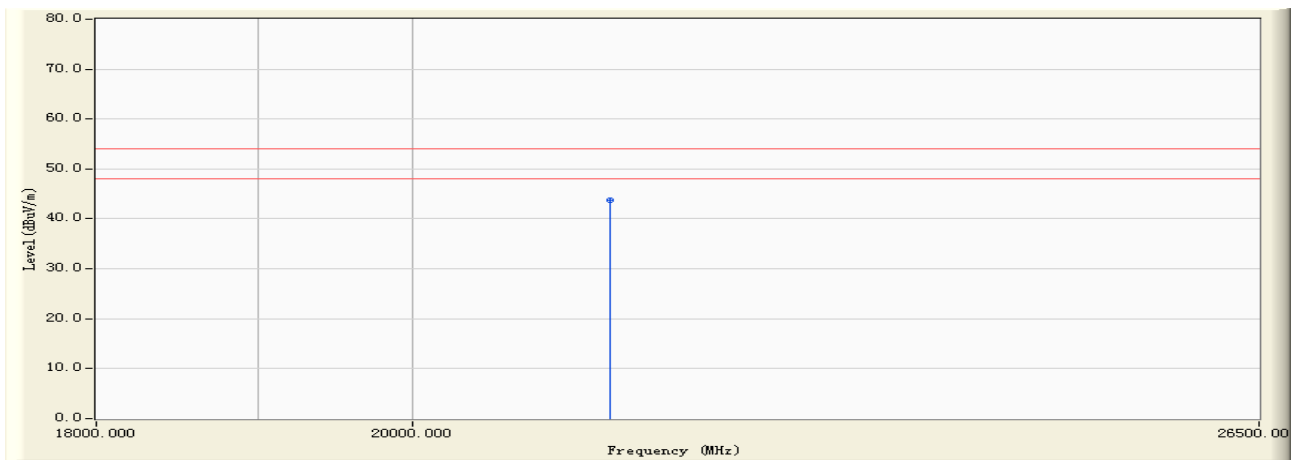
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21354.000	10.987	52.830	63.817	-10.183	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:05
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2422MHz)



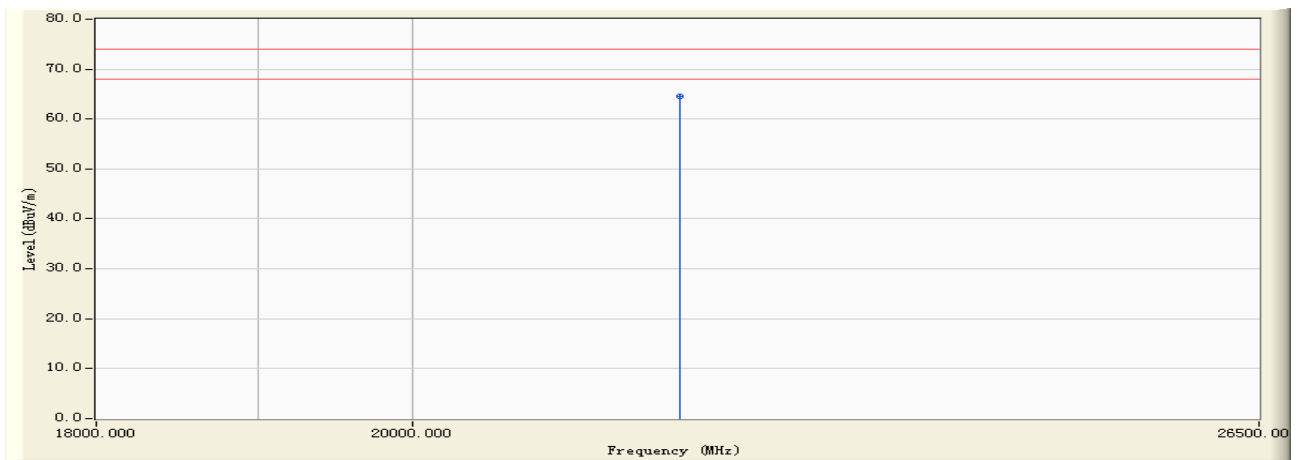
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21354.000	10.987	32.670	43.657	-10.343	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:05
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2437MHz)



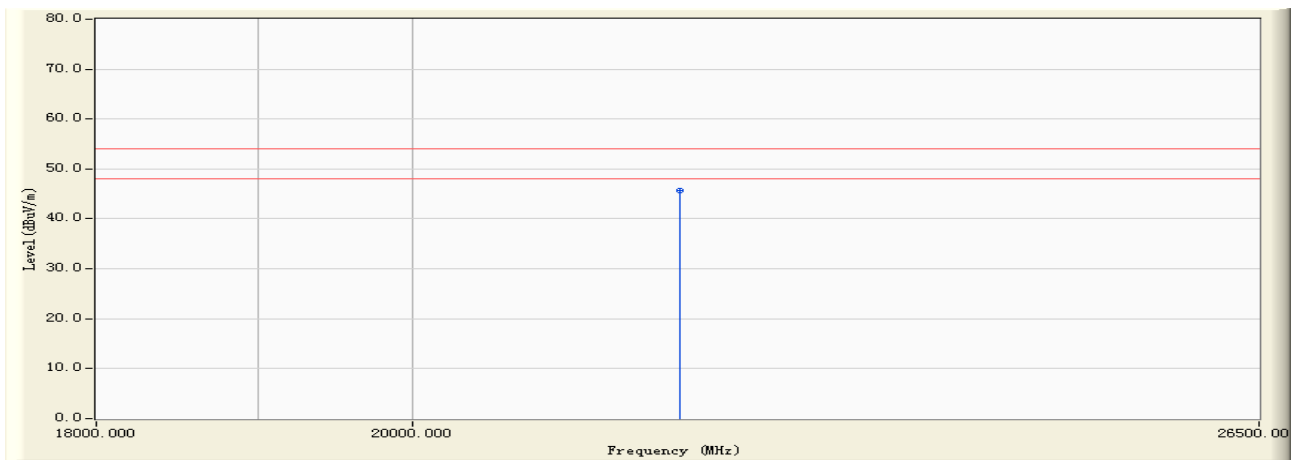
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21859.000	11.960	52.610	64.570	-9.430	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:05
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2437MHz)



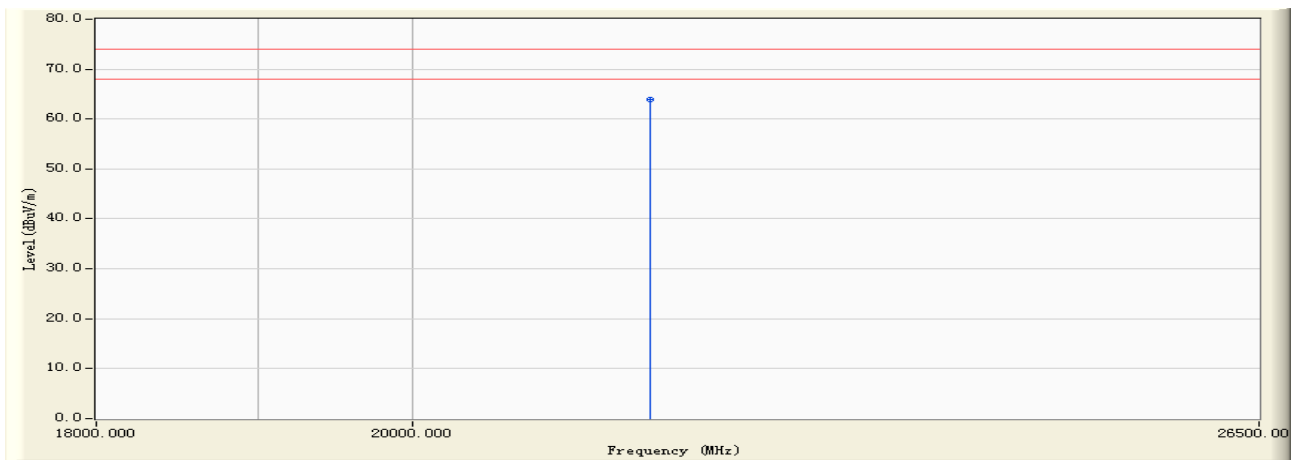
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21859.000	11.960	33.620	45.580	-8.420	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:06
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2437MHz)



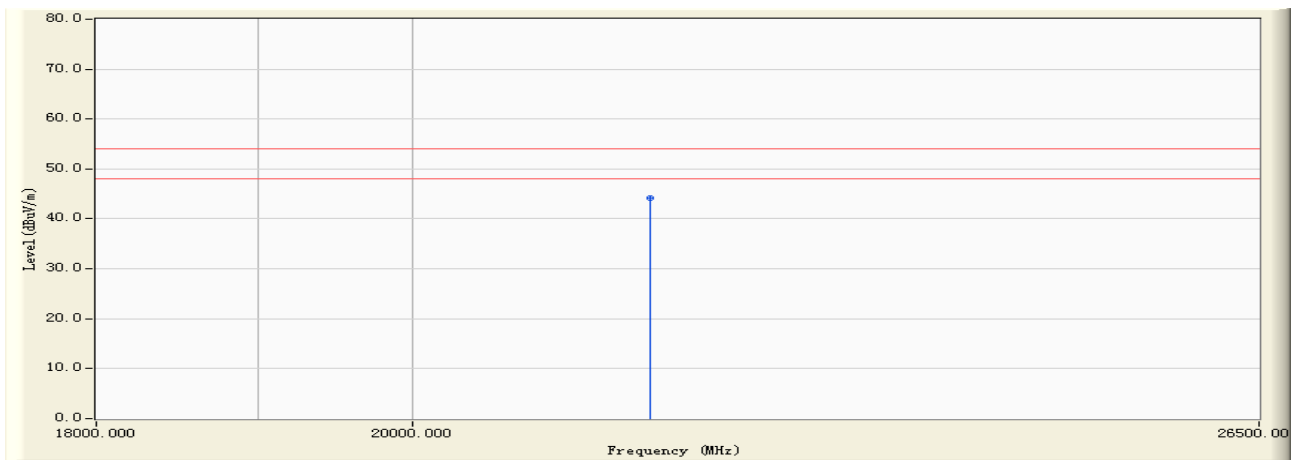
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21638.000	11.523	52.290	63.813	-10.187	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:06
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2437MHz)



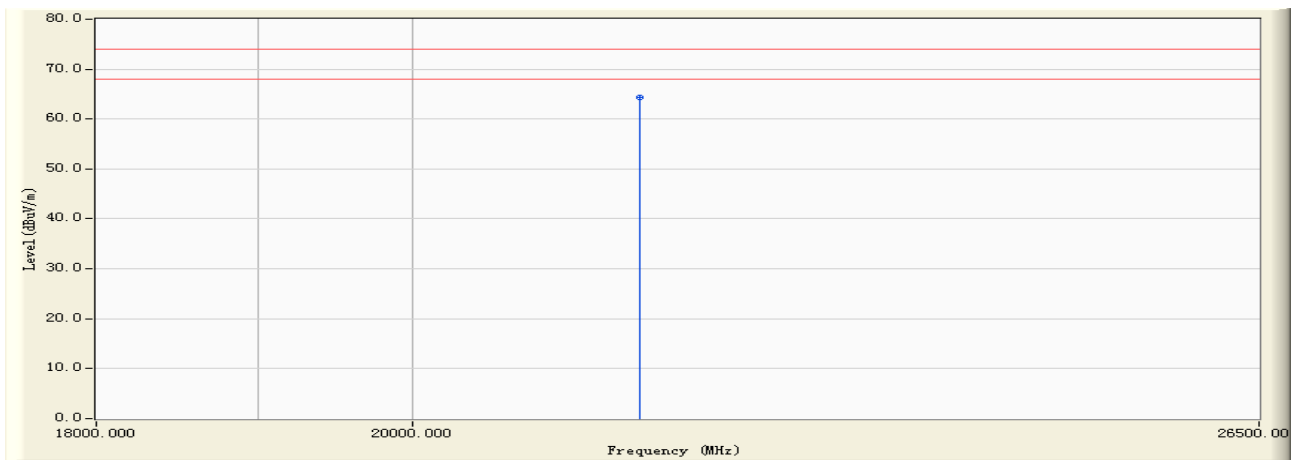
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21638.000	11.523	32.570	44.093	-9.907	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:07
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2452MHz)



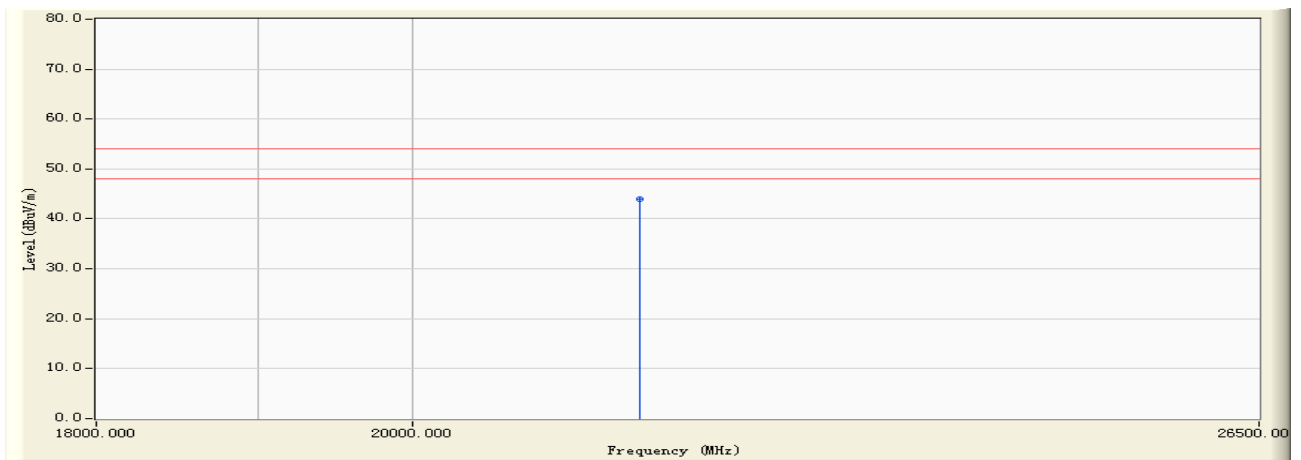
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21567.000	11.389	52.890	64.279	-9.721	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:07
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2452MHz)



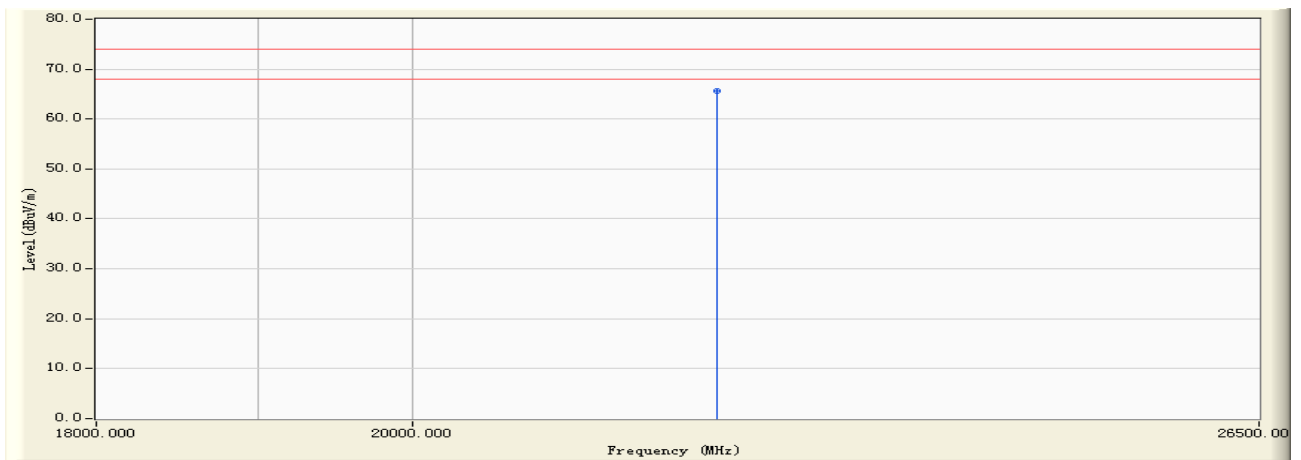
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	21567.000	11.389	32.560	43.949	-10.051	54.000	AVERAGE

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:07
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2452MHz)



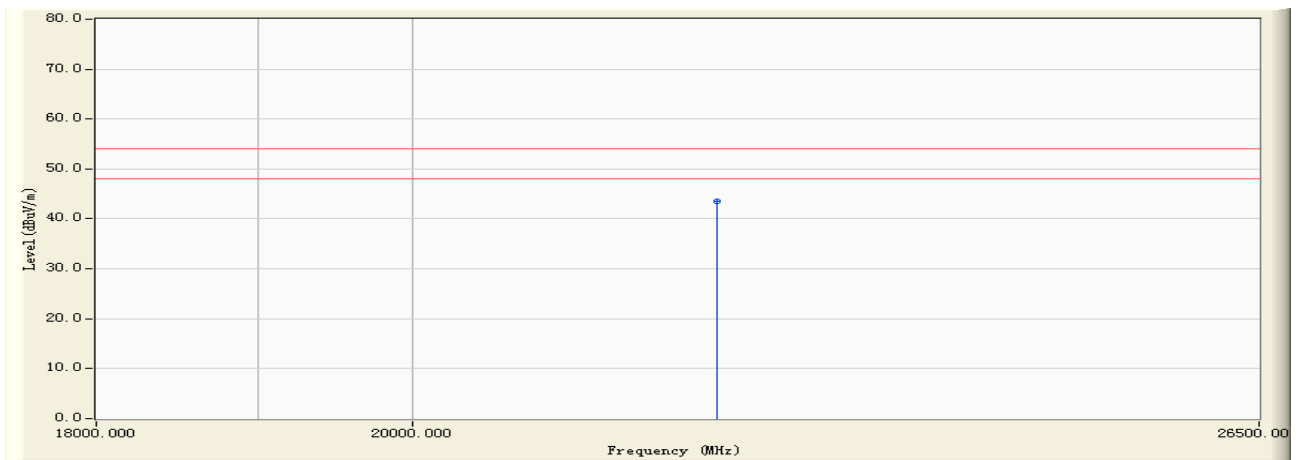
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22132.000	12.530	53.160	65.691	-8.309	74.000	PEAK

Note:

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



Engineer : Fred	
Site : EMC Lab AC 102	Time : 2010/09/25 - 23:07
Limit : FCC_15_03M_AV	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (18-26.5GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2452MHz)



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	22132.000	12.530	31.060	43.591	-10.409	54.000	AVERAGE

Note:

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

Test engineer: Fred Guo



5. Occupied Bandwidth

5.1. Test Limit

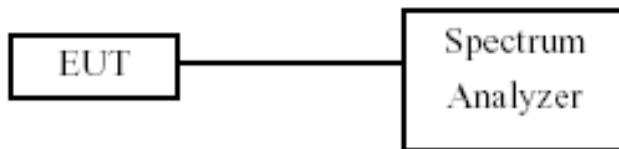
Systems using digital modulation techniques may operate in the 902 - 928 MHz, 2400 - 2483.5 MHz, and 5725- 5850 MHz band. The minimum 6 dB bandwidth shall be at least 500 kHz.

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	2010.08.14
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2010.08.17

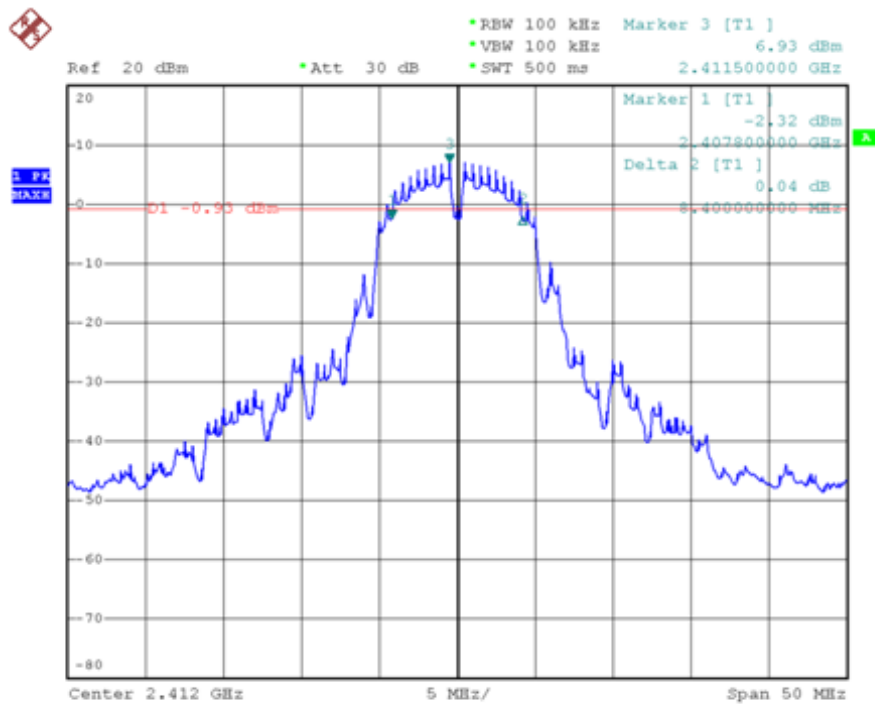


5.5. Test Result and Data

Test Item	Occupied Bandwidth
Test Mode	Mode 1: Transmit by 802.11b (An0)
Test Date	2010-09-17

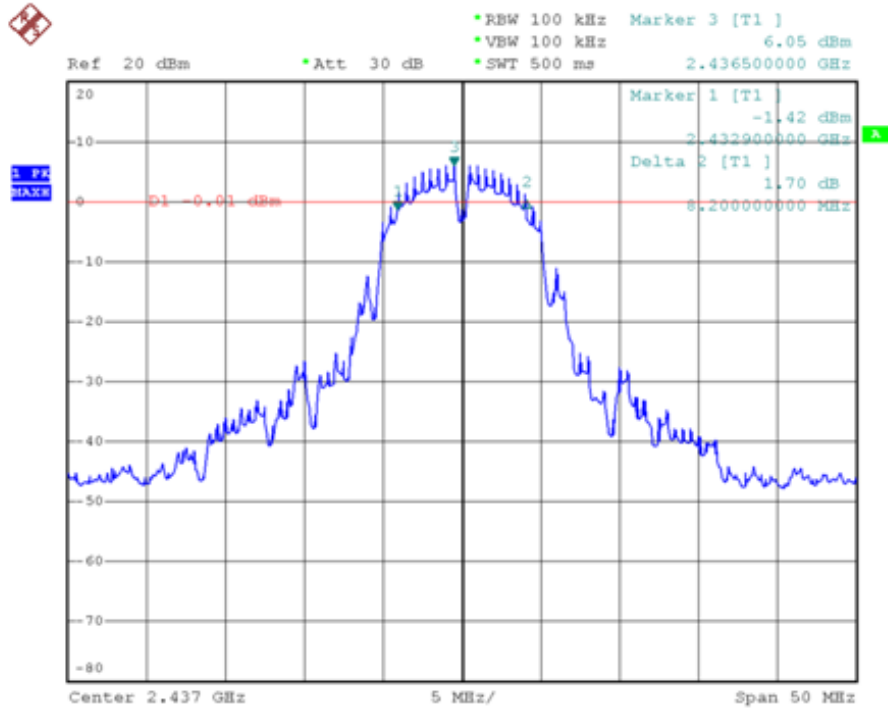
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	8400	500	Pass
06	2437	8200	500	Pass
11	2462	8000	500	Pass

Channel 01 (2412MHz)

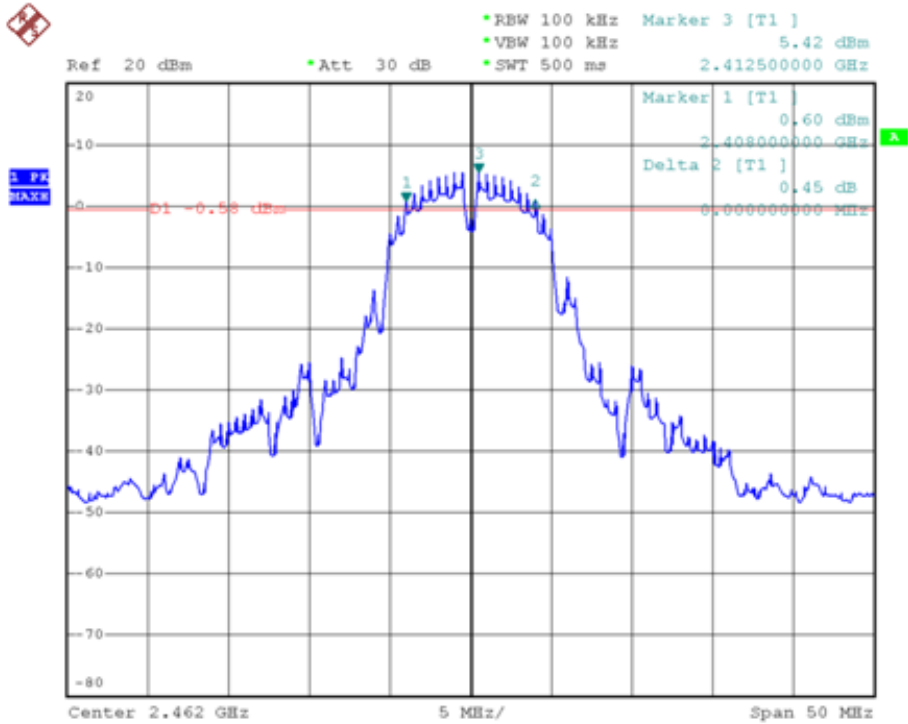




Channel 06 (2437MHz)



Channel 11 (2462MHz)

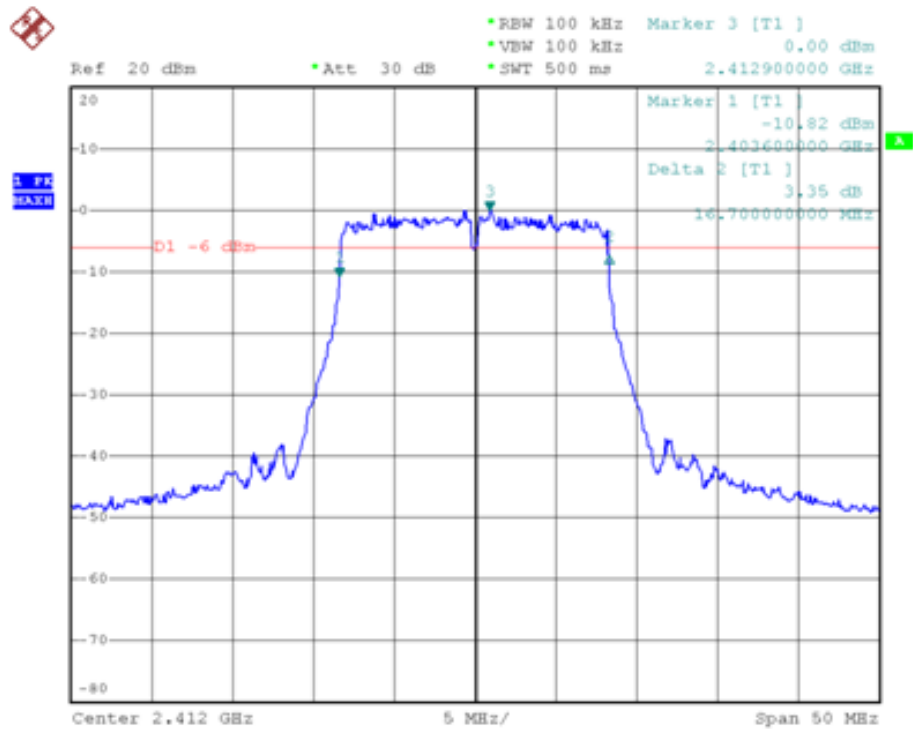




Test Item	Occupied Bandwidth
Test Mode	Mode 2: Transmit by 802.11g (An0)
Test Date	2010-09-17

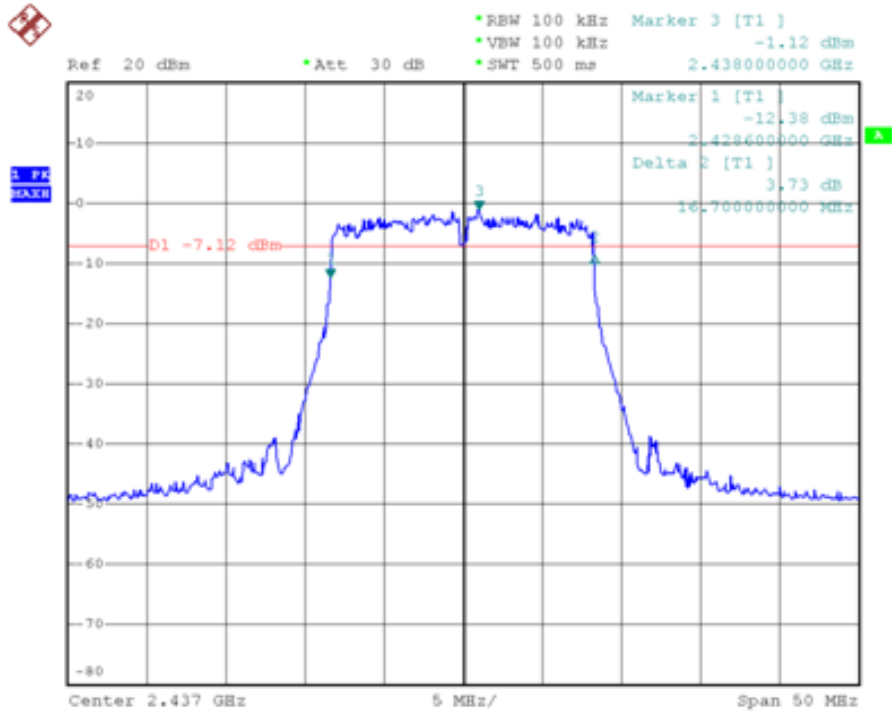
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	16700	500	Pass
06	2437	16700	500	Pass
11	2462	16500	500	Pass

Channel 01 (2412MHz)

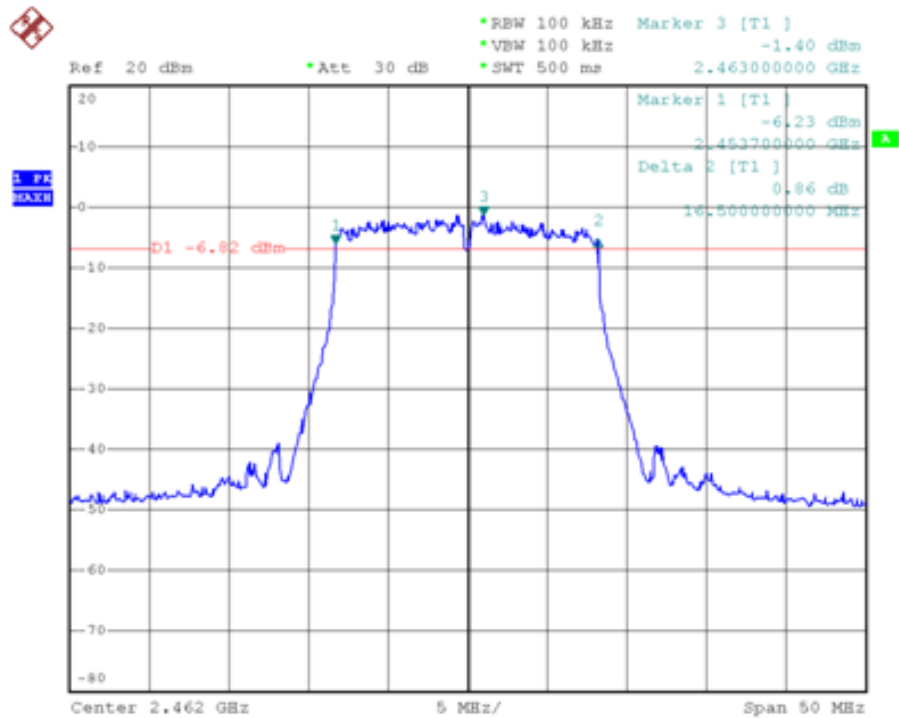




Channel 06 (2437MHz)



Channel 11 (2462MHz)

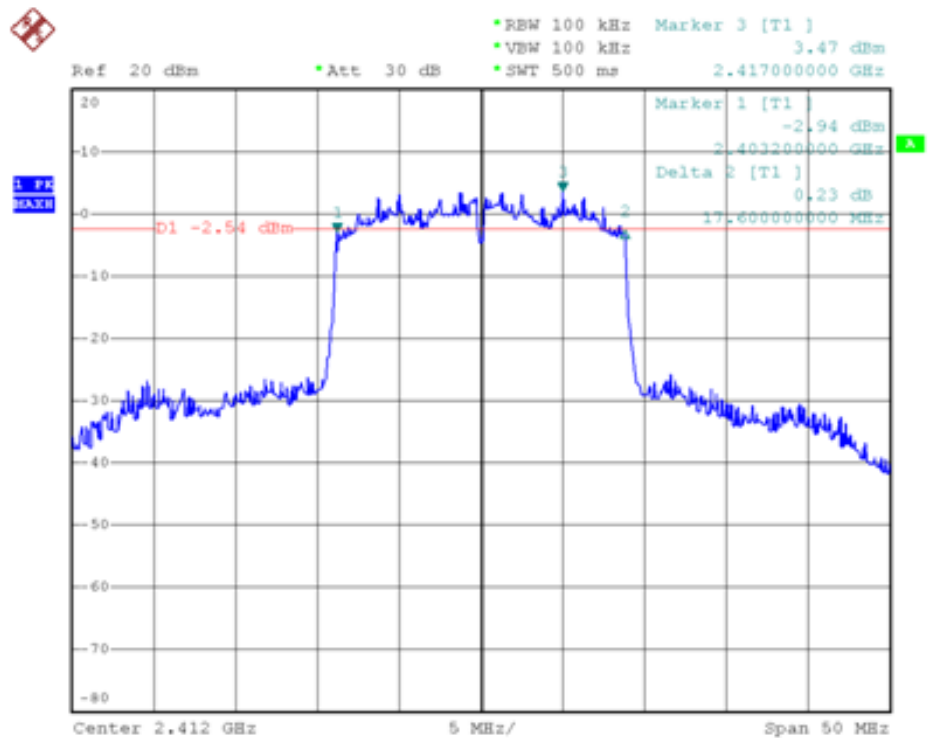




Test Item	Occupied Bandwidth
Test Mode	Mode 3: Transmit by 802.11n (20MHz) (An0)
Test Date	2010-09-17

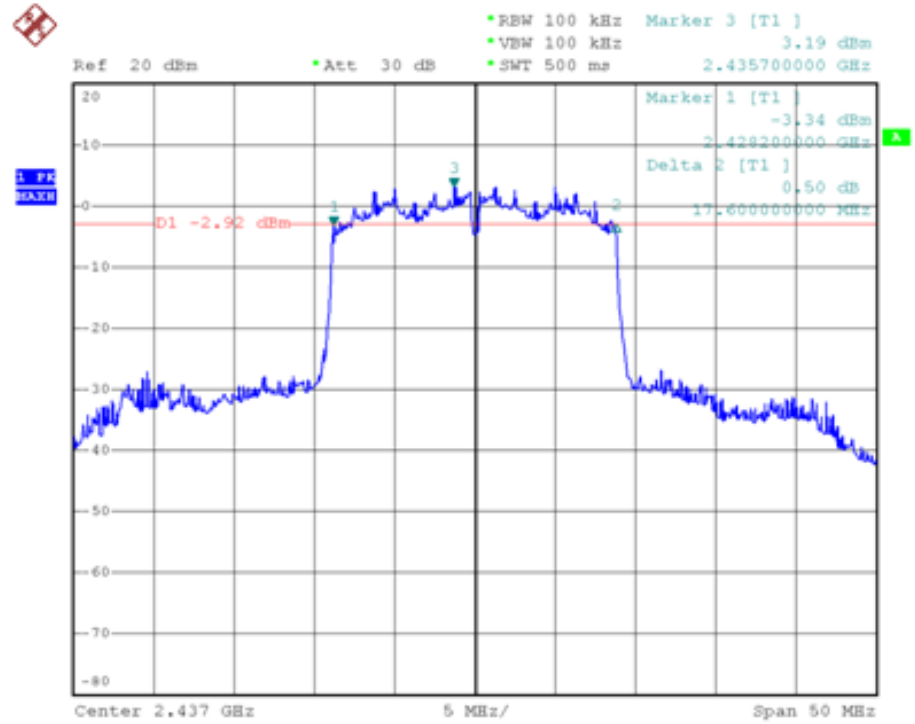
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	17600	500	Pass
06	2437	17600	500	Pass
11	2462	17600	500	Pass

Channel 01 (2412MHz)

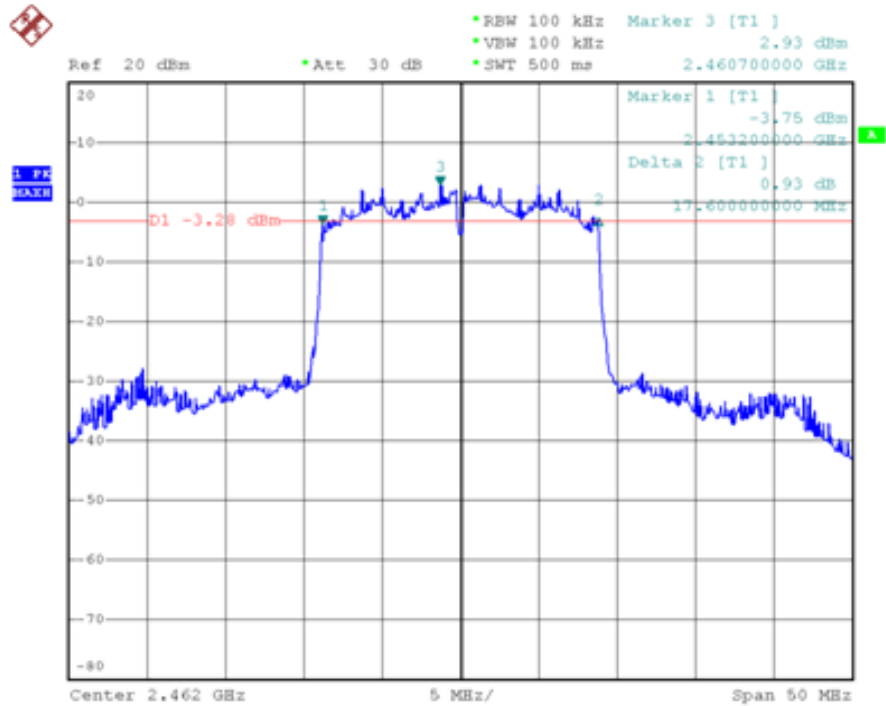




Channel 06 (2437MHz)



Channel 11 (2462MHz)

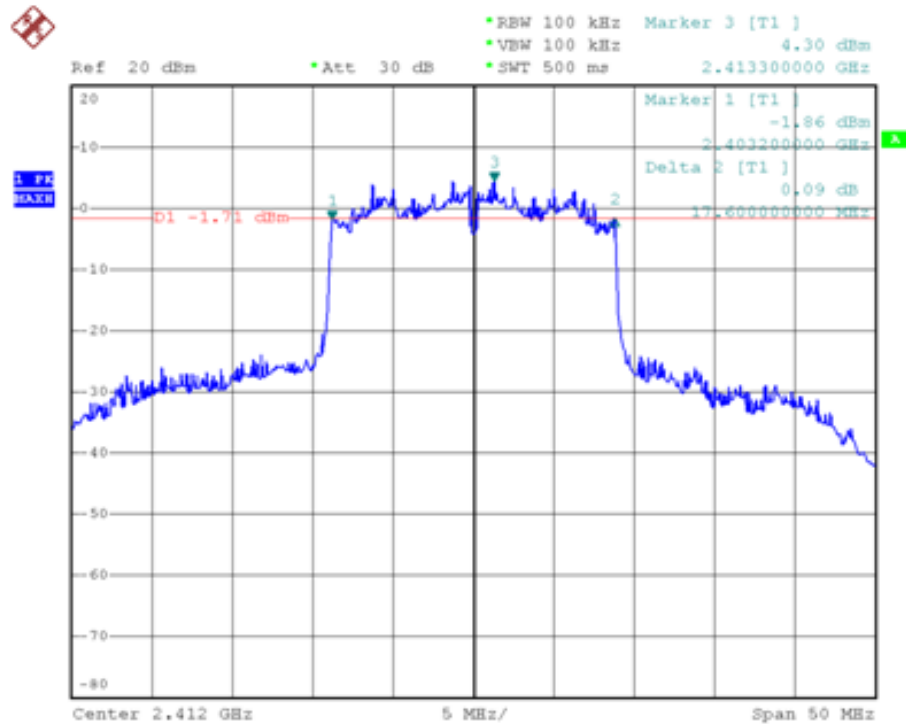




Test Item	Occupied Bandwidth
Test Mode	Mode 3: Transmit by 802.11n (20MHz) (An1)
Test Date	2010-09-17

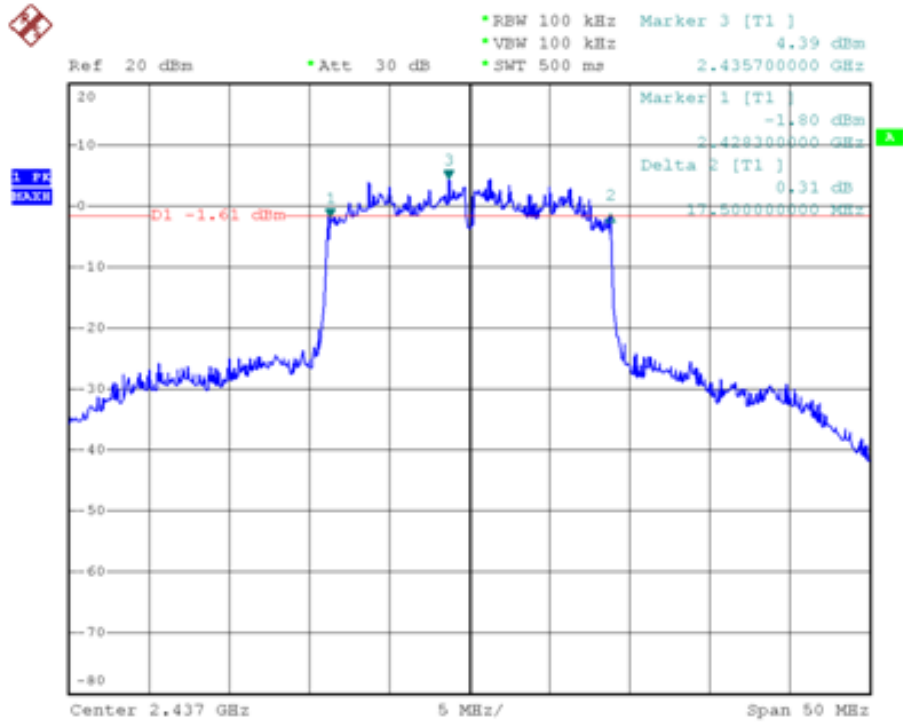
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	17600	500	Pass
06	2437	17500	500	Pass
11	2462	17600	500	Pass

Channel 01 (2412MHz)

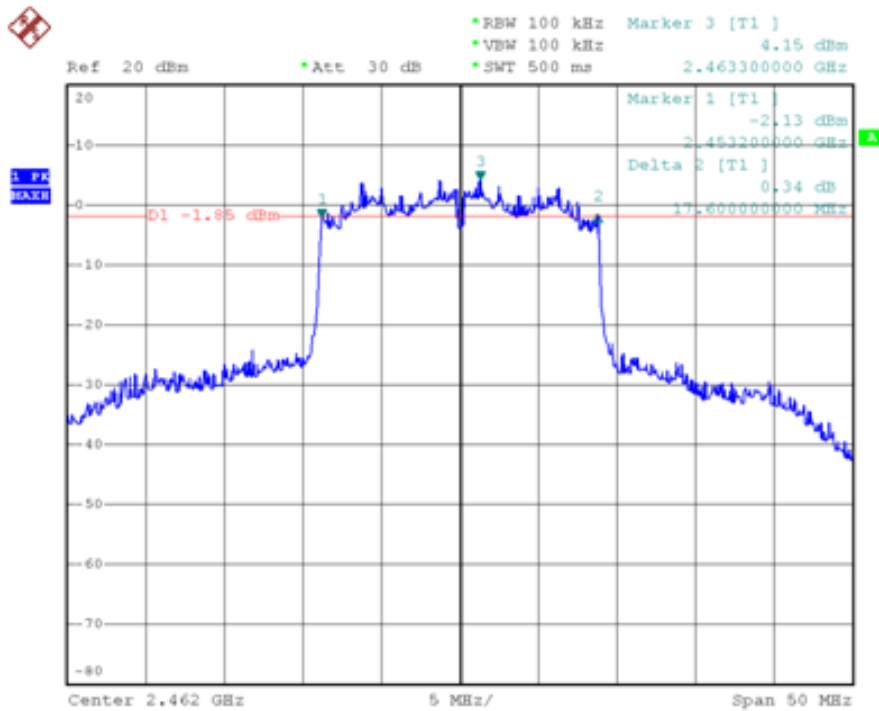




Channel 06 (2437MHz)



Channel 11 (2462MHz)

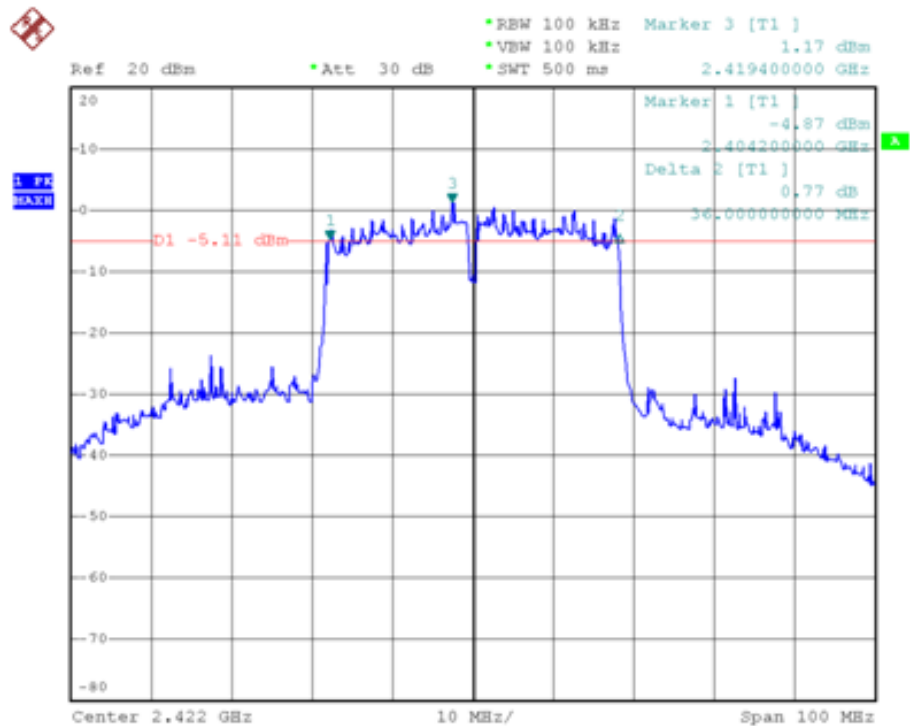




Test Item	Occupied Bandwidth
Test Mode	Mode 4: Transmit by 802.11n (40MHz) (An0)
Test Date	2010-09-17

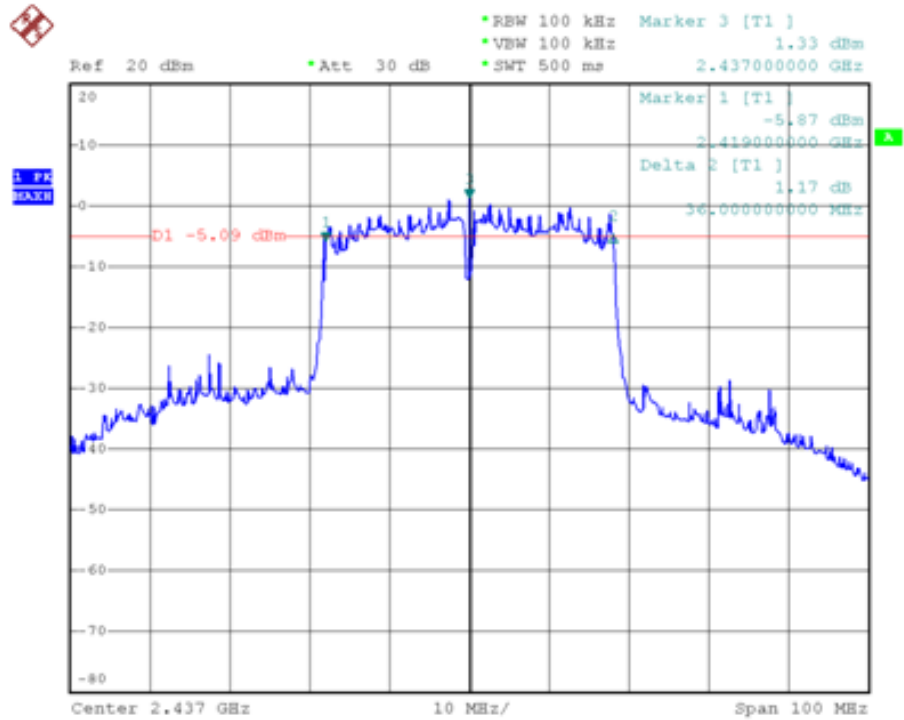
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
03	2422	36000	500	Pass
06	2437	36000	500	Pass
09	2452	36400	500	Pass

Channel 03 (2422MHz)

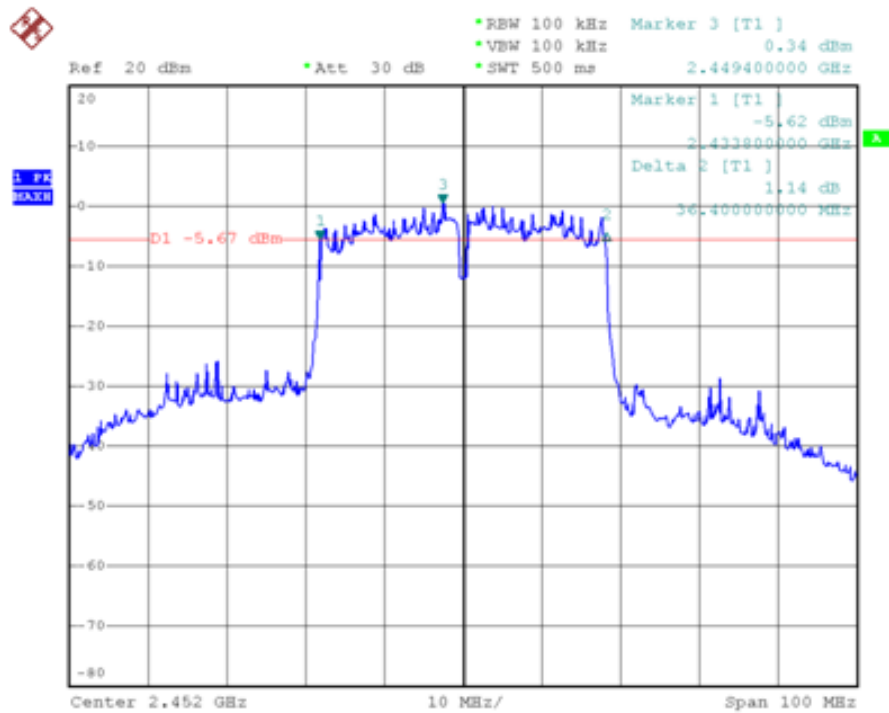




Channel 06 (2437MHz)



Channel 09 (2452MHz)

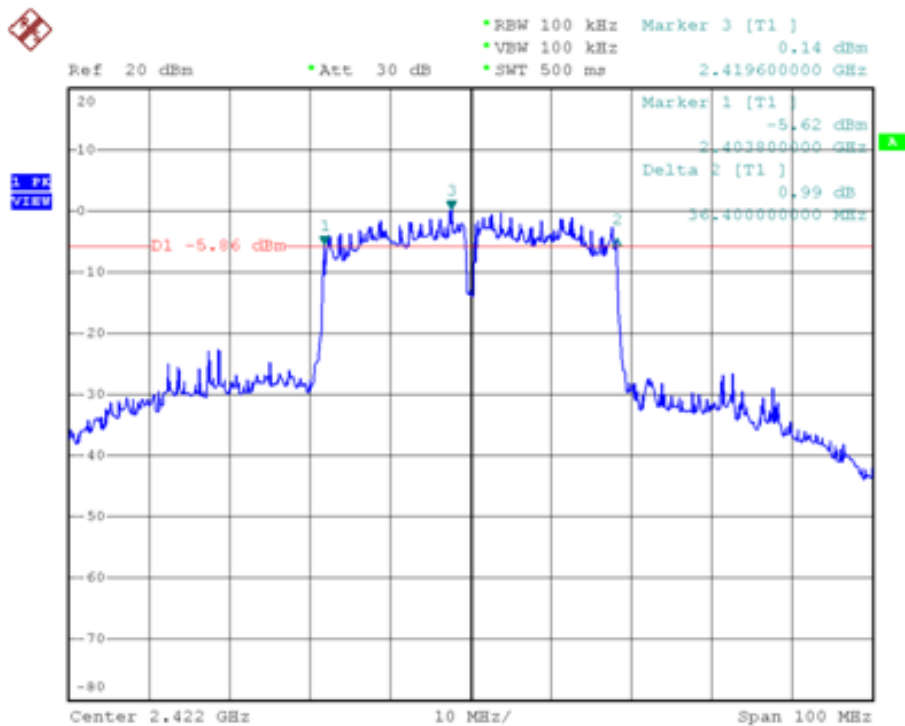




Test Item	Occupied Bandwidth
Test Mode	Mode 4: Transmit by 802.11n (40MHz) (An1)
Test Date	2010-09-17

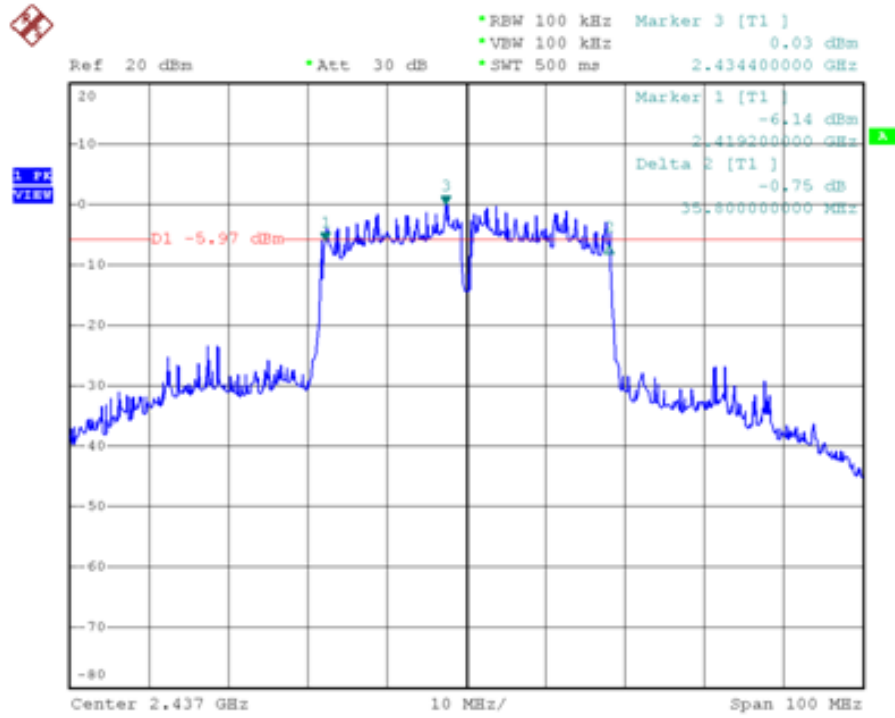
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
03	2422	36400	500	Pass
06	2437	35800	500	Pass
09	2452	36000	500	Pass

Channel 03 (2422MHz)

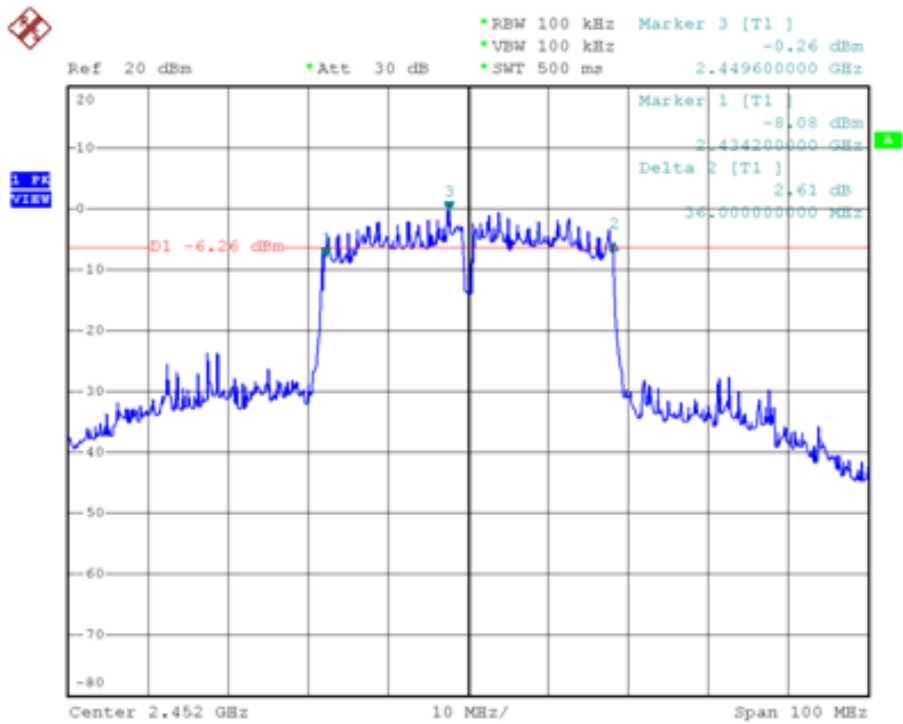




Channel 06 (2437MHz)



Channel 09 (2452MHz)





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.

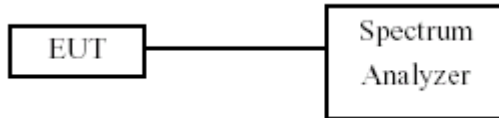
As "T" \geq sweep time, the test procedure will be used as following:

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	2010.08.14
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2010.08.17

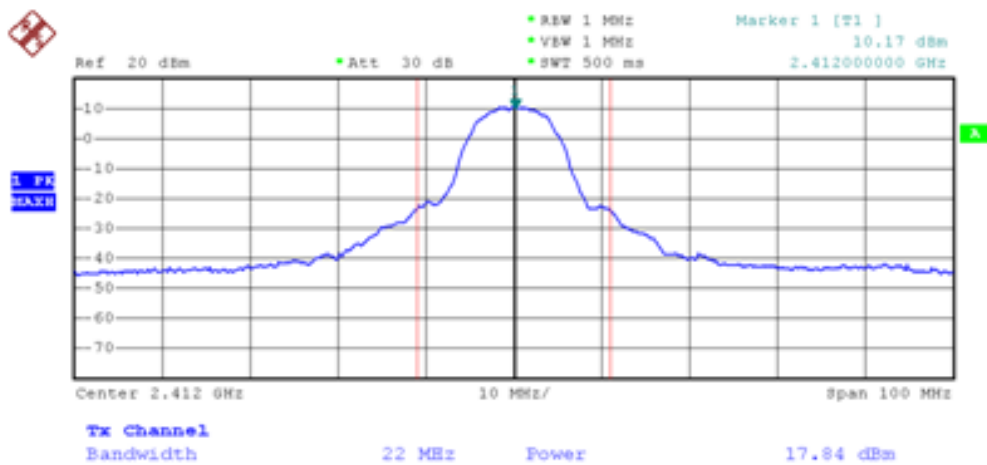


6.5. Test Result and Data

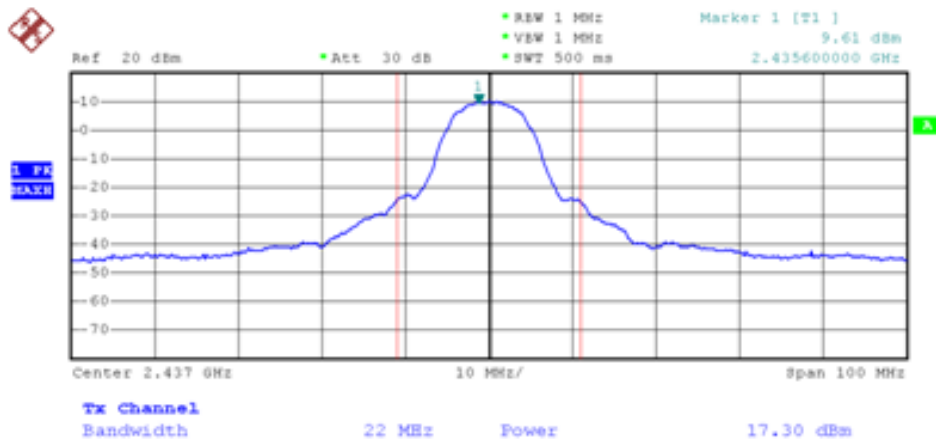
Test Item	Maximum Peak Output Power
Test Mode	Mode 1: Transmit by 802.11b (An0)
Test Date	2010-09-17

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit (dBm)	Result
01	2412	17.84	30 dBm	Pass
06	2437	17.30	30 dBm	Pass
11	2462	18.85	30 dBm	Pass

Channel 01 (2412MHz)

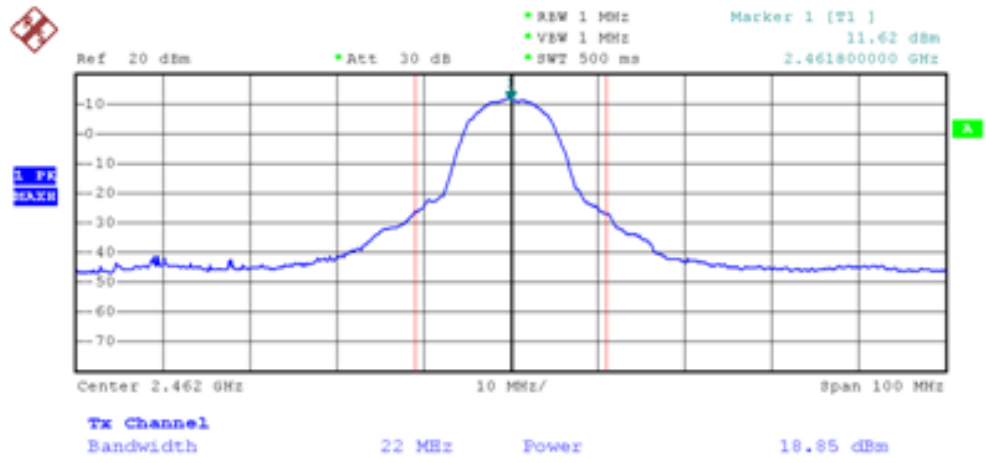


Channel 06 (2437MHz)





Channel 11 (2462MHz)

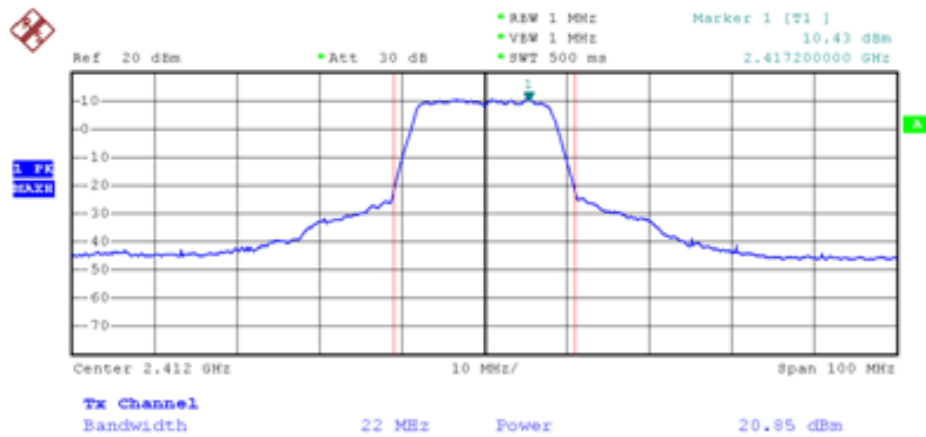




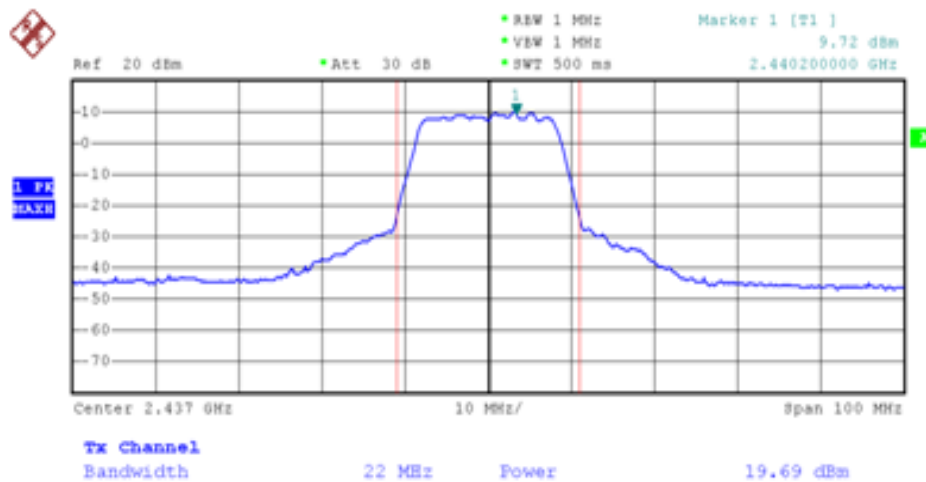
Test Item	Maximum Peak Output Power
Test Mode	Mode 2: Transmit by 802.11g (An0)
Test Date	2010-09-17

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit (dBm)	Result
01	2412	20.85	30 dBm	Pass
06	2437	19.69	30 dBm	Pass
11	2462	19.57	30 dBm	Pass

Channel 01 (2412MHz)

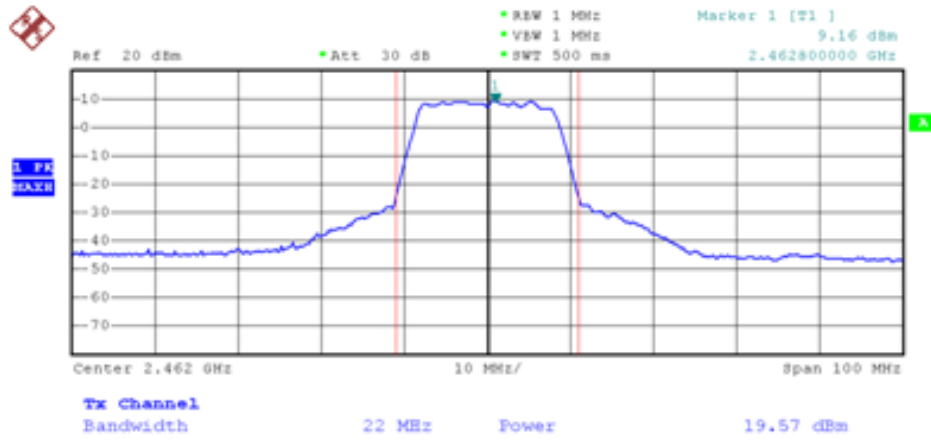


Channel 06 (2437MHz)





Channel 11 (2462MHz)





Test Item	Maximum Peak Output Power
Test Mode	Mode 3: Transmit by 802.11n (20MHz) (An0 and An1)
Test Date	2010-09-17

An0:

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit (dBm)	Result
01	2412	22.93	30 dBm	Pass
06	2437	22.42	30 dBm	Pass
11	2462	21.86	30 dBm	Pass

An1:

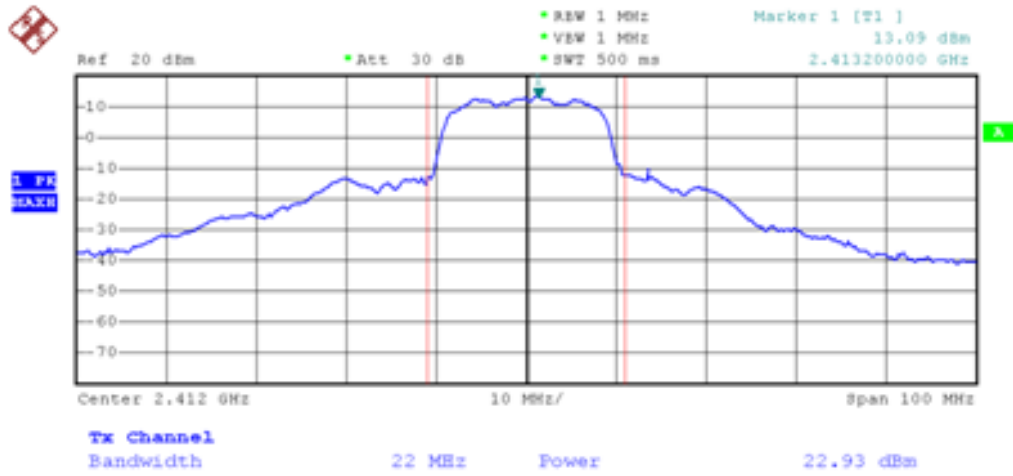
Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit (dBm)	Result
01	2412	22.89	30 dBm	Pass
06	2437	23.18	30 dBm	Pass
11	2462	22.88	30 dBm	Pass

An0 and An1:

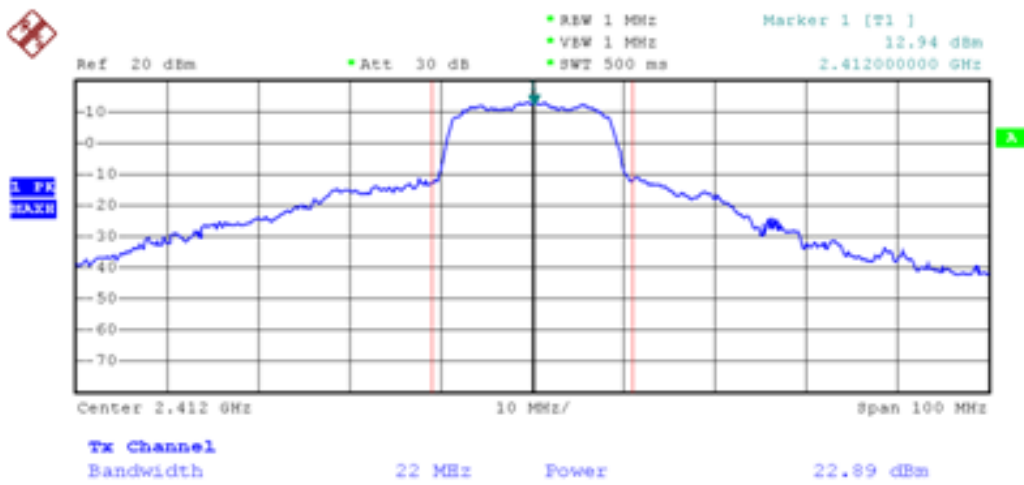
Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit (dBm)	Result
01	2412	25.92	30 dBm	Pass
06	2437	25.83	30 dBm	Pass
11	2462	25.41	30 dBm	Pass



Channel 01 (2412MHz) (An0)

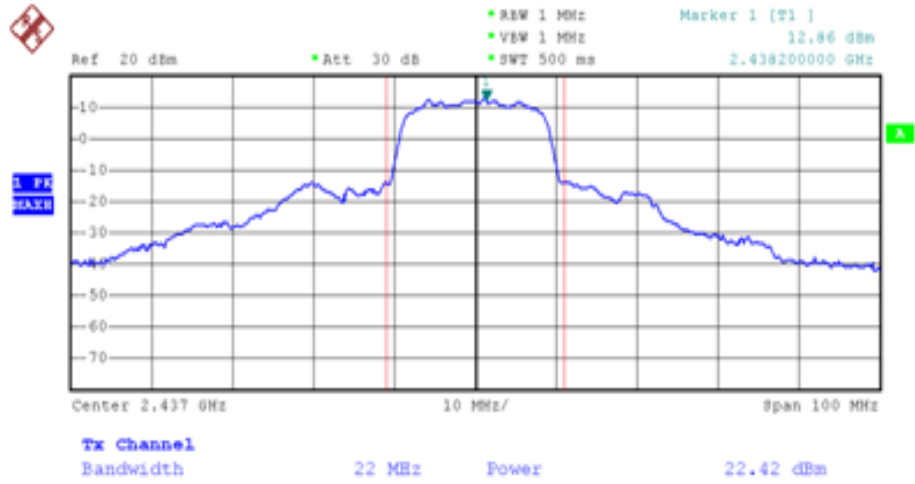


Channel 01 (2412MHz) (An1)

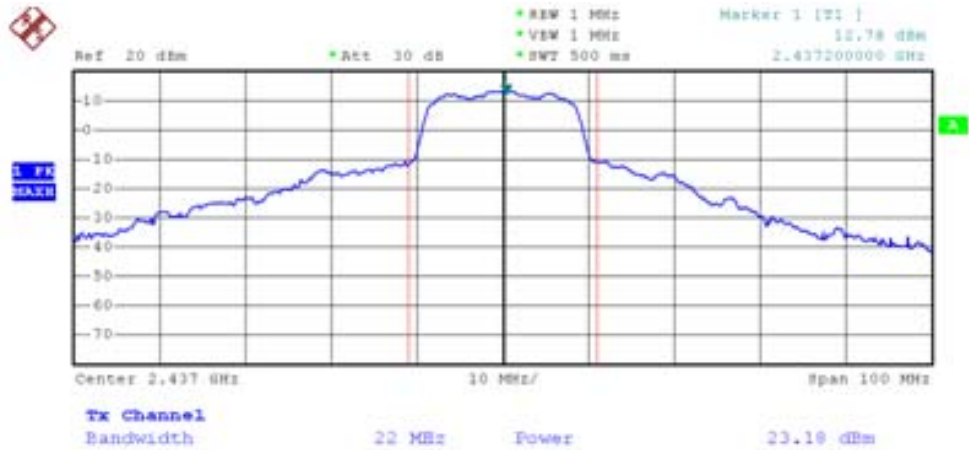




Channel 06 (2437MHz) (An0)

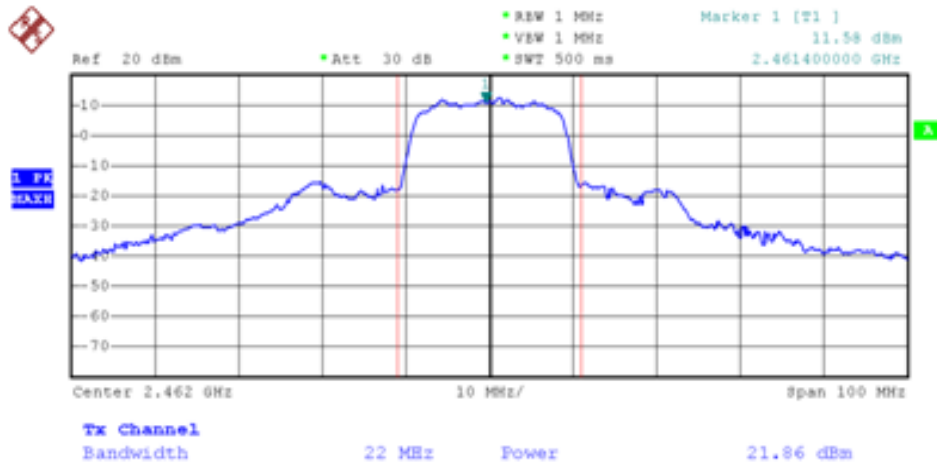


Channel 06 (2437MHz) (An1)

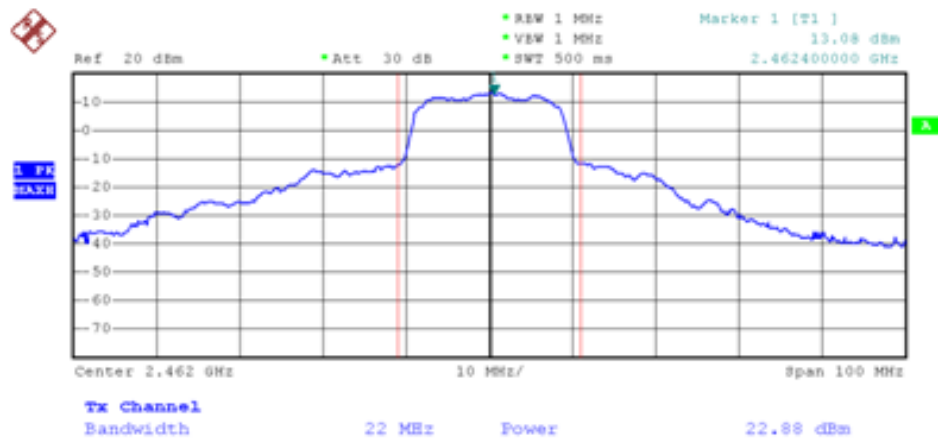




Channel 11 (2462MHz) (An0)



Channel 11 (2462MHz) (An1)





Test Item	Maximum Peak Output Power
Test Mode	Mode 4: Transmit by 802.11 n (40MHz) (An0 and An1)
Test Date	2010-09-17

An0:

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit (dBm)	Result
03	2422	21.75	30 dBm	Pass
06	2437	21.61	30 dBm	Pass
09	2452	21.49	30 dBm	Pass

An1:

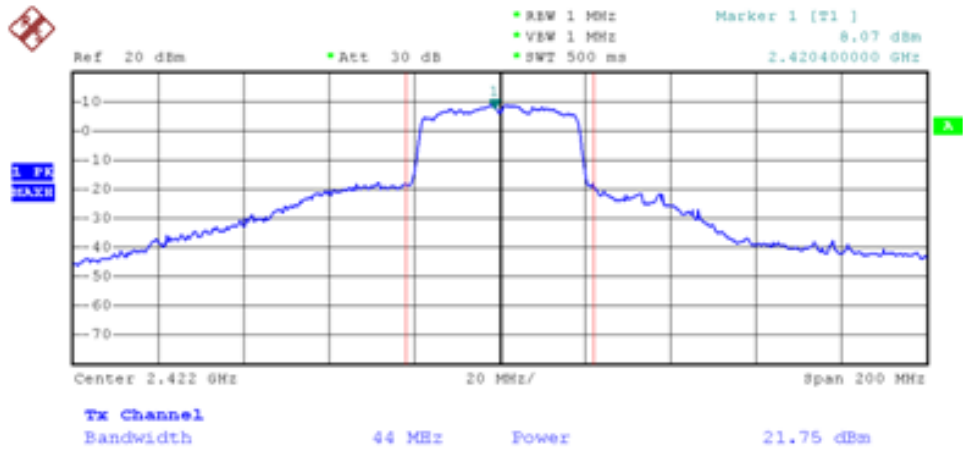
Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit (dBm)	Result
03	2422	20.95	30 dBm	Pass
06	2437	20.86	30 dBm	Pass
09	2452	20.54	30 dBm	Pass

An0 and An1:

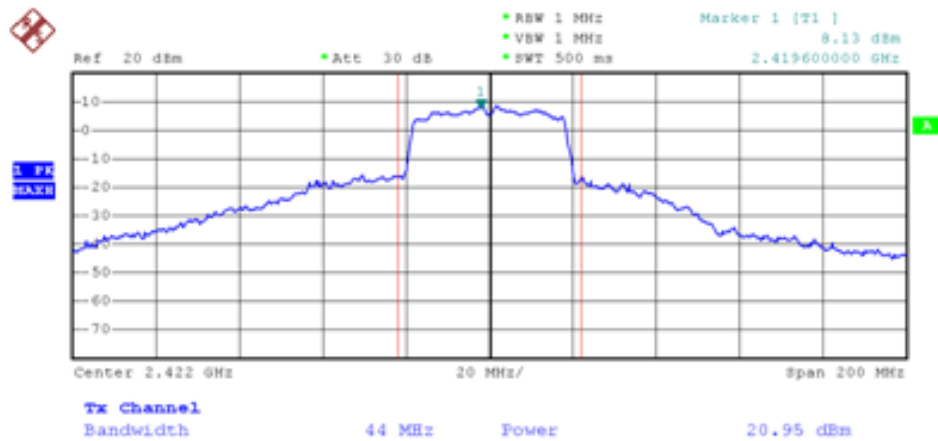
Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit (dBm)	Result
03	2422	24.38	30 dBm	Pass
06	2437	24.26	30 dBm	Pass
09	2452	24.05	30 dBm	Pass



Channel 03 (2422MHz) (An0)

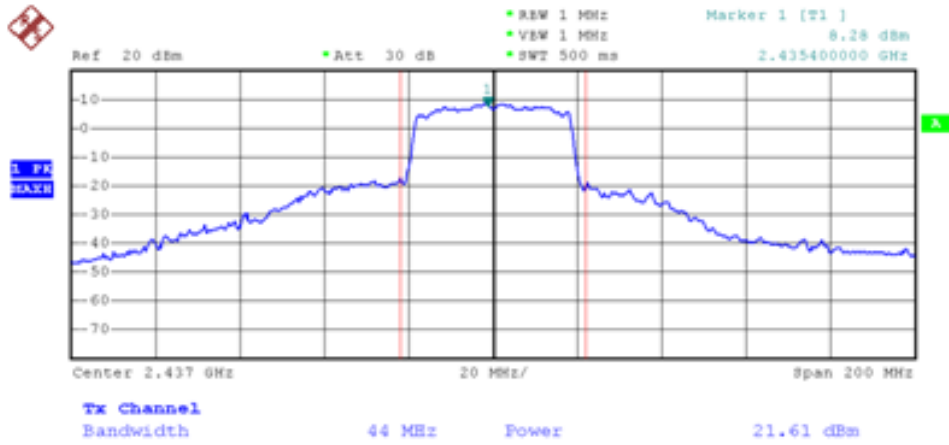


Channel 03 (2422MHz) (An1)

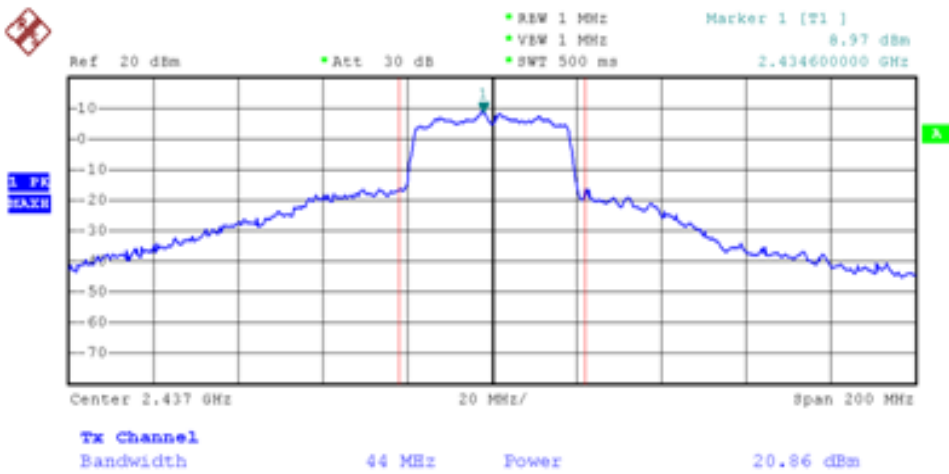




Channel 06 (2437MHz) (An0)

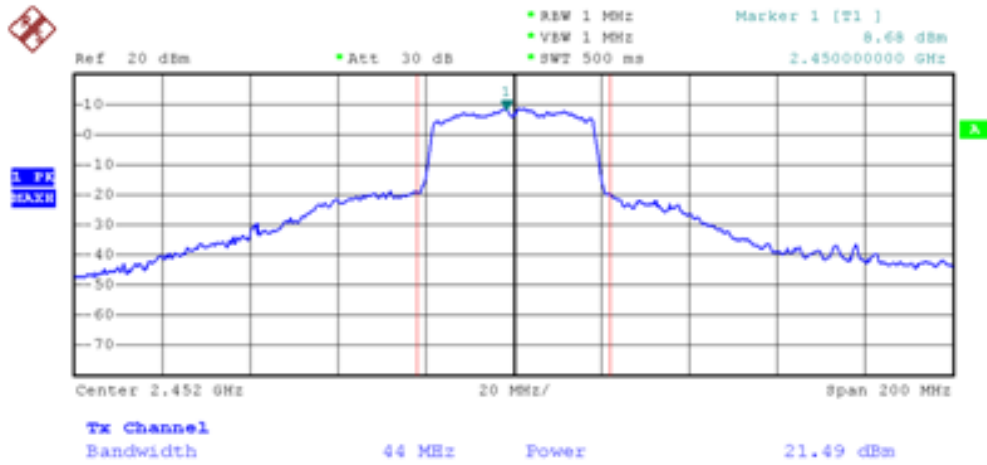


Channel 06 (2437MHz) (An1)

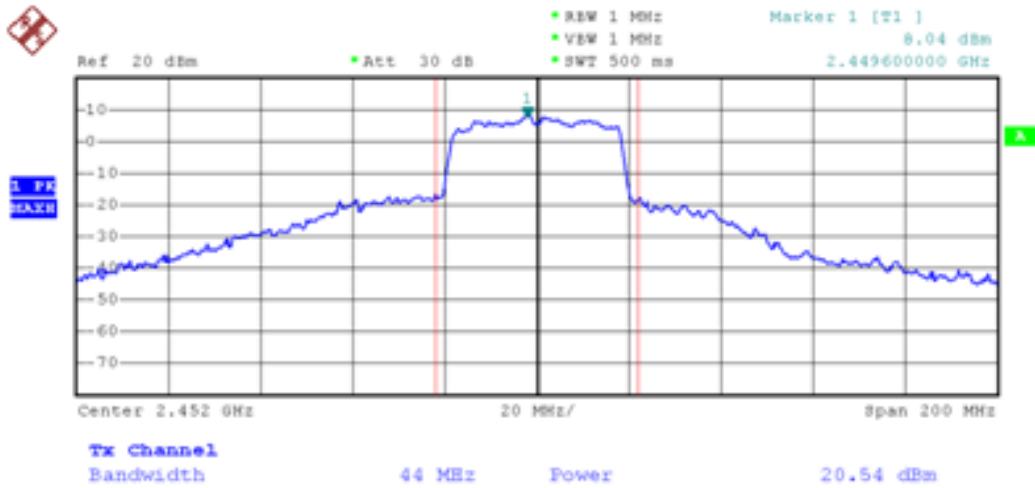




Channel 09 (2452MHz) (An0)



Channel 09 (2452MHz) (An1)





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.

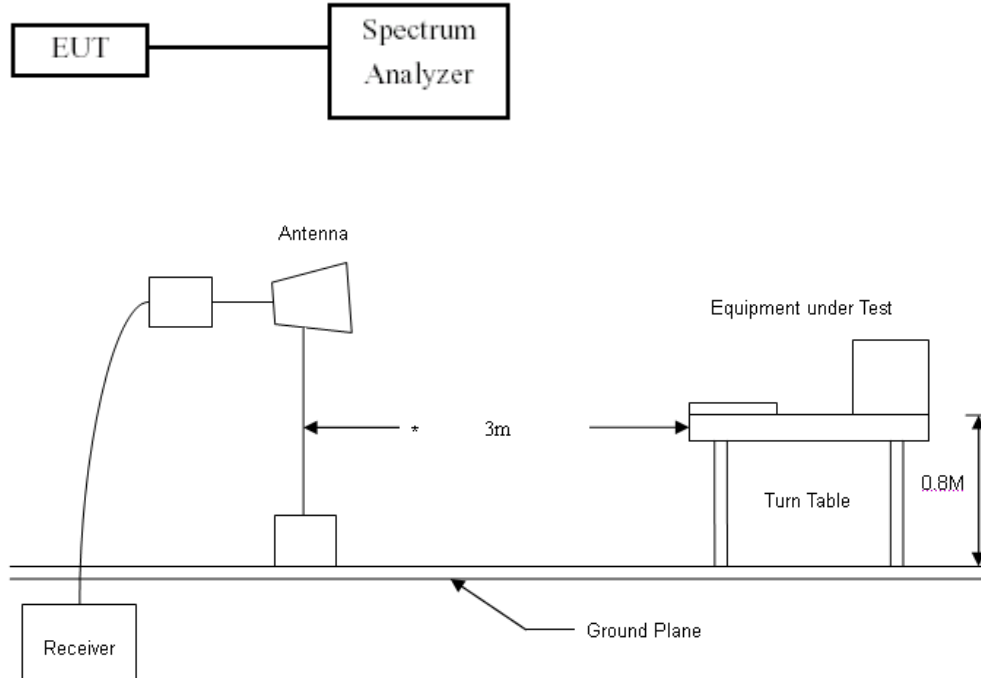
For measurements above 1GHz the resolution bandwidth is set to 1MHz, then the video bandwidth is set to 1MHz for peak measurements and 10Hz for average measurements.

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



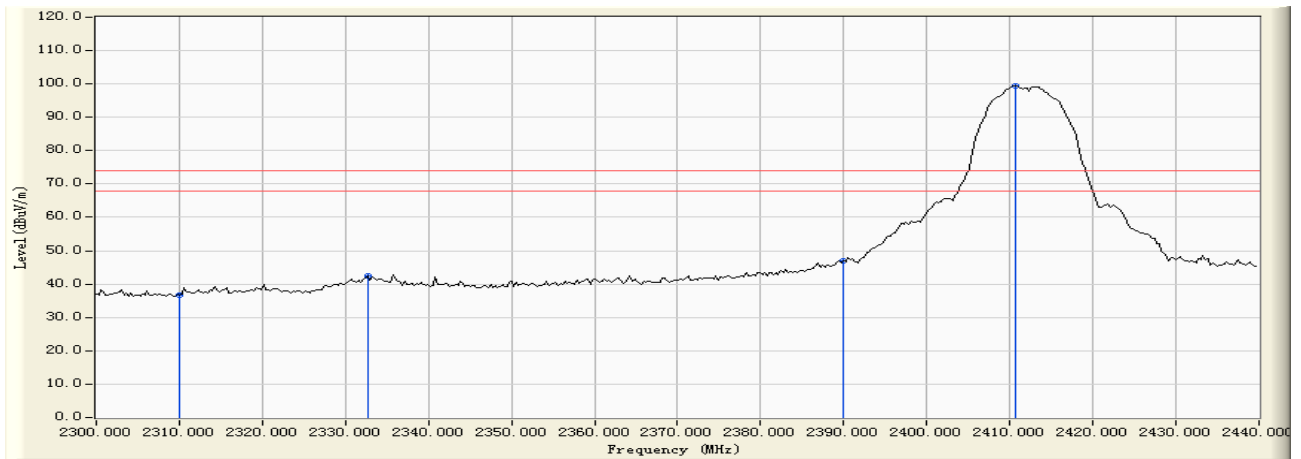
7.4. Measurement Equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date
Spectrum Analyzer	R&S	FSP40	100324	2010.08.14
H64 Amplifier	HP	8447F	3113A05582	2010.08.14
Preamplifier	Agilent	8449B	ED-HE-EMI-077	2010.02.10
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	9120D-619	2009.11.10
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2010.08.17



7.5. Test Result and Data

Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 09:39
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2412MHz)



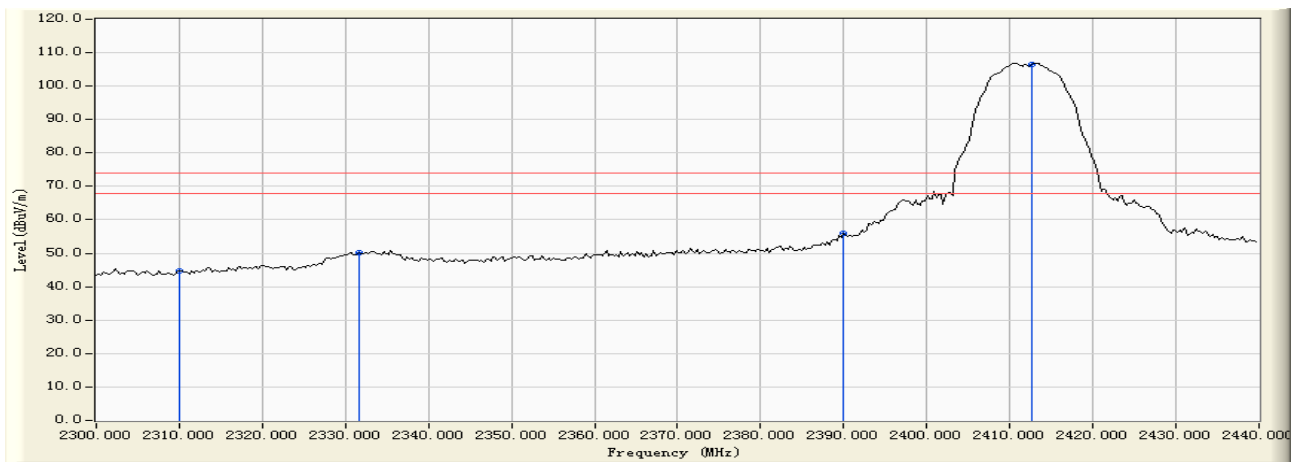
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	36.608	36.797	-37.203	74.000	PEAK
2		2332.695	0.239	42.313	42.552	-31.448	74.000	PEAK
3		2390.000	0.358	46.718	47.076	-26.924	74.000	PEAK
4	*	2410.659	0.424	99.007	99.431	N/A	N/A	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 09:42
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2412MHz)



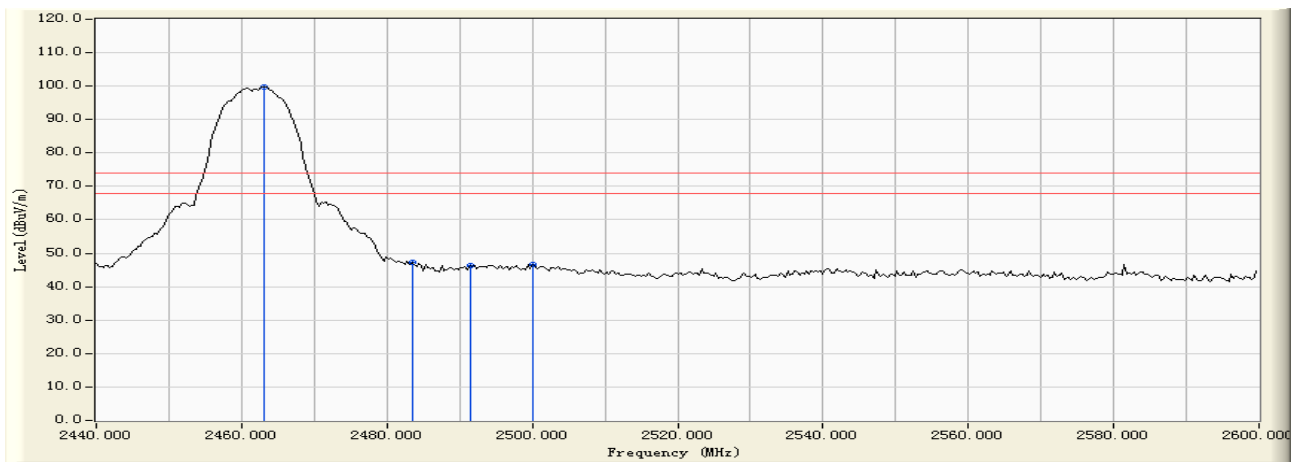
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	44.625	44.814	-29.186	74.000	PEAK
2		2331.577	0.237	49.948	50.185	-23.815	74.000	PEAK
3		2390.000	0.358	53.480	53.838	-20.162	74.000	PEAK
4	*	2412.615	0.431	106.177	106.608	N/A	N/A	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 09:43
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2462MHz)



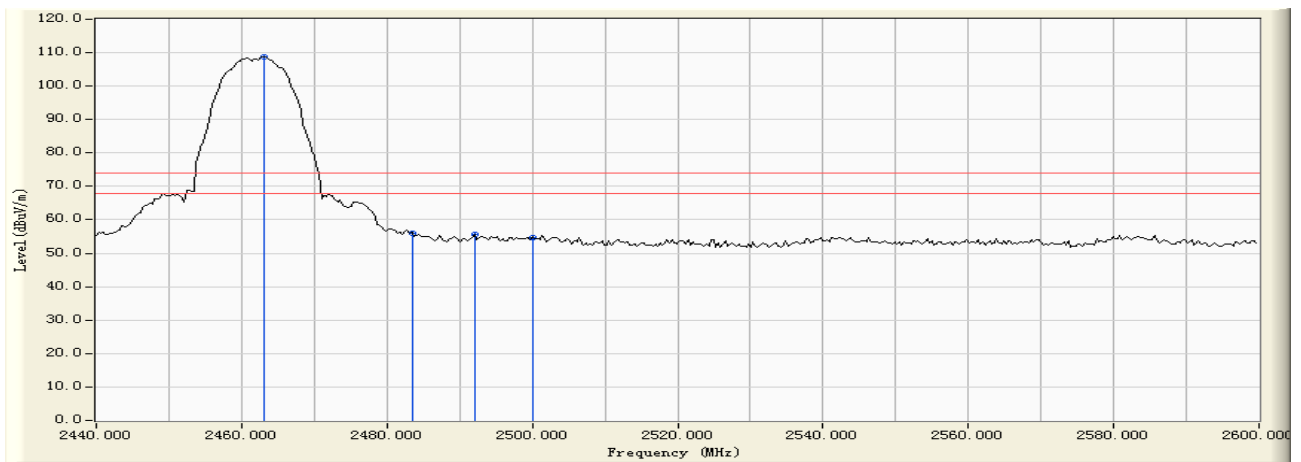
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2462.994	0.602	99.266	99.869	N/A	N/A	PEAK
2		2483.500	0.672	46.466	47.139	-26.861	74.000	PEAK
3		2491.417	0.700	45.587	46.287	-27.713	74.000	PEAK
4		2500.000	0.737	45.842	46.578	-27.422	74.000	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 09:45
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (An0) (2462MHz)



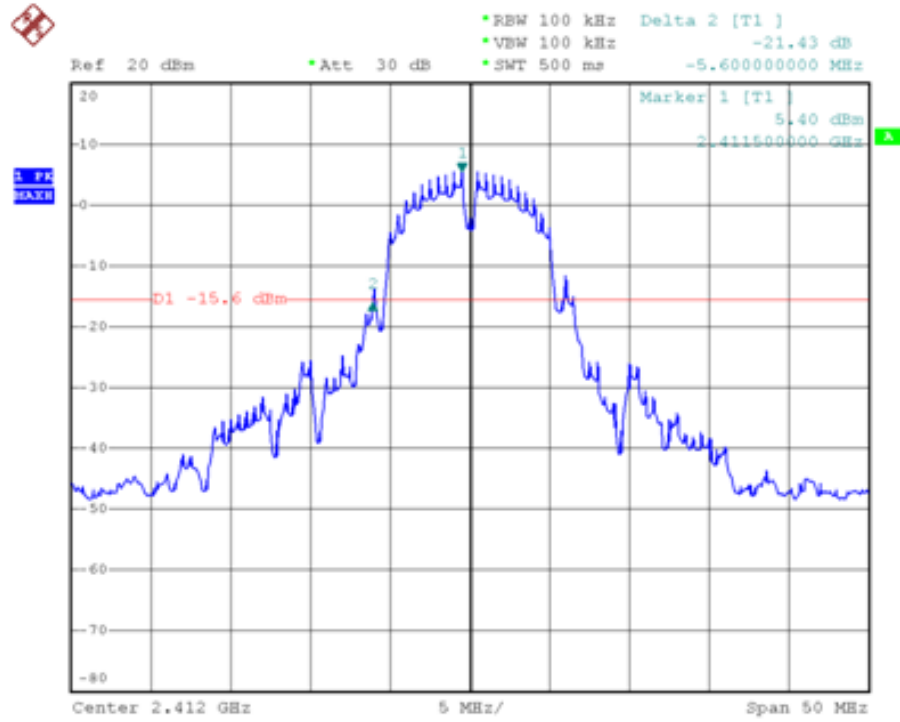
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2462.994	0.602	108.062	108.665	N/A	N/A	PEAK
2		2483.500	0.672	52.369	53.042	-20.958	74.000	PEAK
3		2492.056	0.702	53.071	53.773	-20.227	74.000	PEAK
4		2500.000	0.737	53.040	53.776	-20.224	74.000	PEAK

Note:

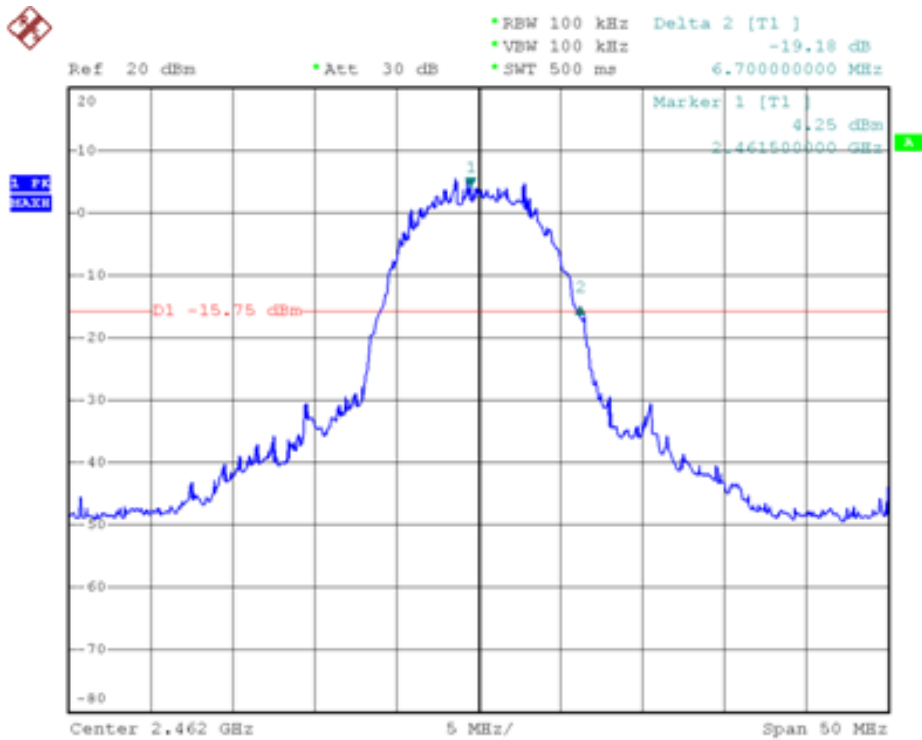
1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Band Edge (20dBc RF Conducted Measurement)
Mode 1: Transmit by 802.11b (An0) (2412MHz)

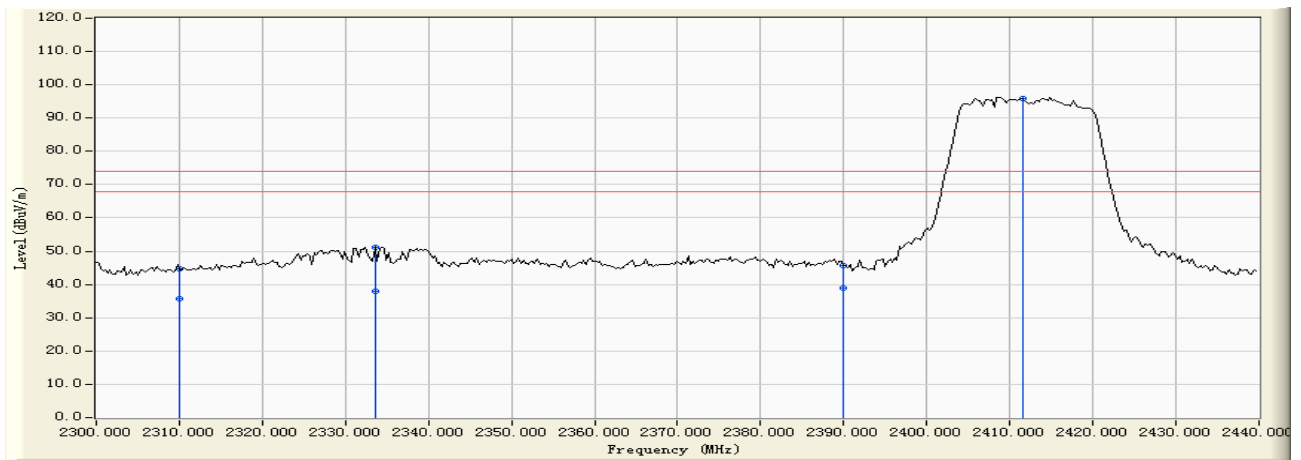


Band Edge (20dBc RF Conducted Measurement)
Mode 1: Transmit by 802.11b (An0) (2462MHz)





Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/27 - 10:36
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2412MHz)



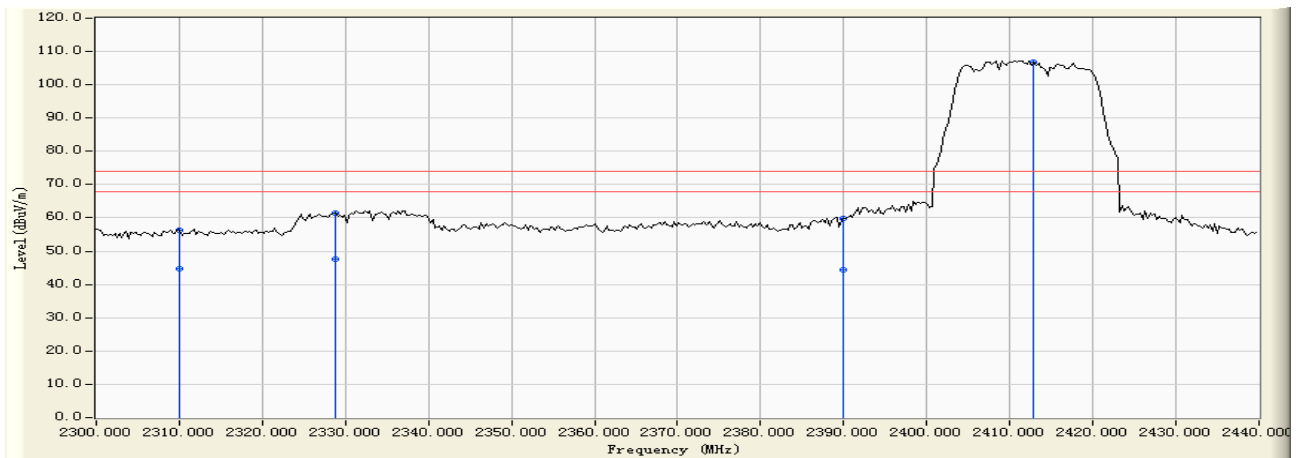
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	44.400	44.589	-29.411	74.000	PEAK
2		2310.000	0.188	35.680	35.869	-18.131	54.000	AVERAGE
3		2333.533	0.242	50.808	51.049	-22.951	74.000	PEAK
4		2333.533	0.242	37.620	37.861	-16.139	54.000	AVERAGE
5		2390.000	0.358	45.460	45.818	-28.182	74.000	PEAK
6		2390.000	0.358	38.420	38.778	-15.222	54.000	AVERAGE
7	*	2411.497	0.427	95.485	95.912	N/A	N/A	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/27 - 10:36
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2412MHz)



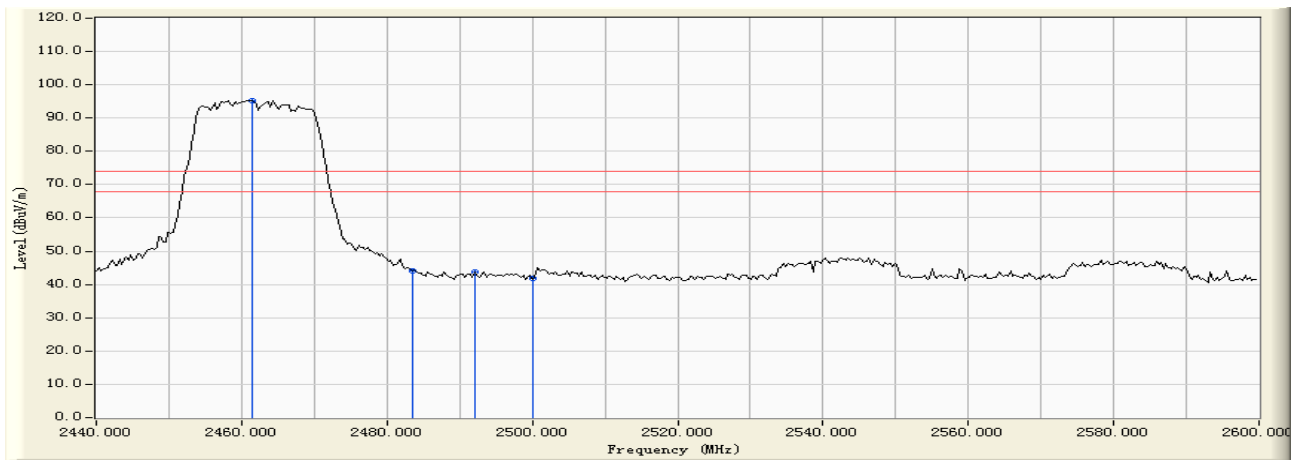
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	56.267	56.456	-17.544	74.000	PEAK
2		2310.000	0.188	44.580	44.769	-9.231	54.000	AVERAGE
3		2328.782	0.231	61.262	61.493	-12.507	74.000	PEAK
4		2328.782	0.231	47.520	47.751	-6.249	54.000	AVERAGE
5		2390.000	0.358	59.551	59.909	-14.091	74.000	PEAK
6		2390.000	0.358	43.960	44.318	-9.682	54.000	AVERAGE
7	*	2412.894	0.432	106.442	106.874	N/A	N/A	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/27 - 10:36
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2462MHz)



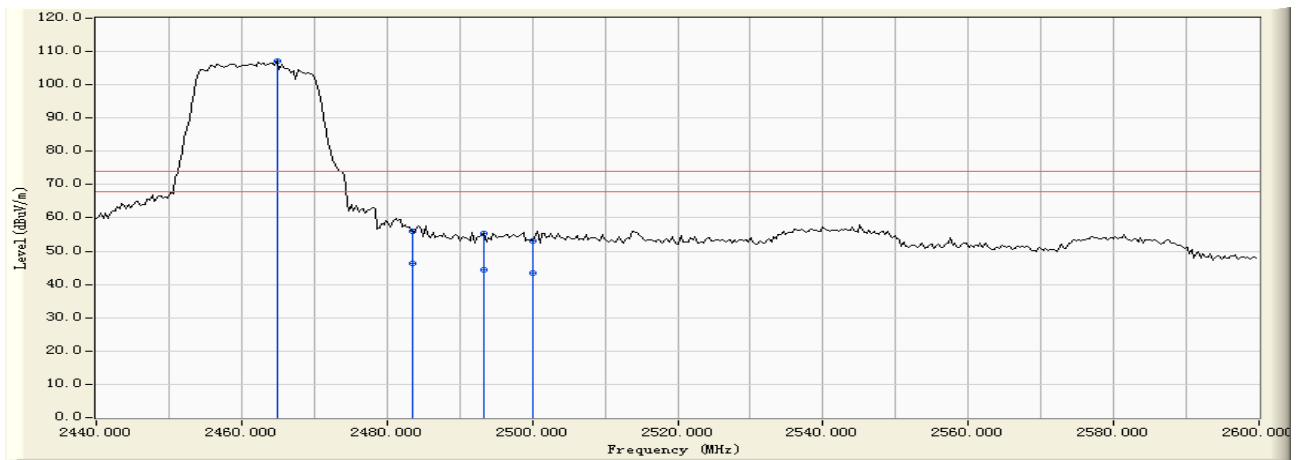
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2461.397	0.597	94.648	95.245	N/A	N/A	PEAK
2		2483.500	0.672	43.486	44.159	-29.841	74.000	PEAK
3		2492.056	0.702	43.085	43.787	-30.213	74.000	PEAK
4		2500.000	0.737	40.970	41.706	-32.294	74.000	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/27 - 10:36
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (An0) (2462MHz)



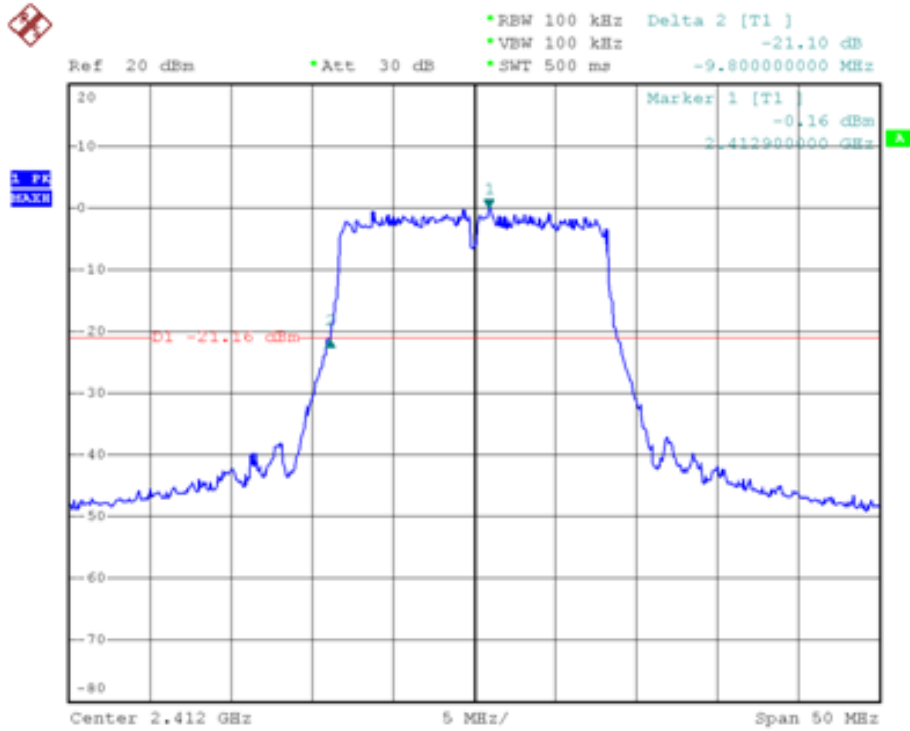
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2464.910	0.610	106.627	107.236	N/A	N/A	PEAK
2		2483.500	0.672	55.343	56.016	-17.984	74.000	PEAK
3		2483.500	0.672	45.610	46.283	-7.717	54.000	AVERAGE
4		2493.333	0.707	54.724	55.431	-18.569	74.000	PEAK
5		2493.333	0.707	43.580	44.287	-9.713	54.000	AVERAGE
6		2500.000	0.737	52.365	53.101	-20.899	74.000	PEAK
7		2500.000	0.737	42.570	43.306	-10.694	54.000	AVERAGE

Note:

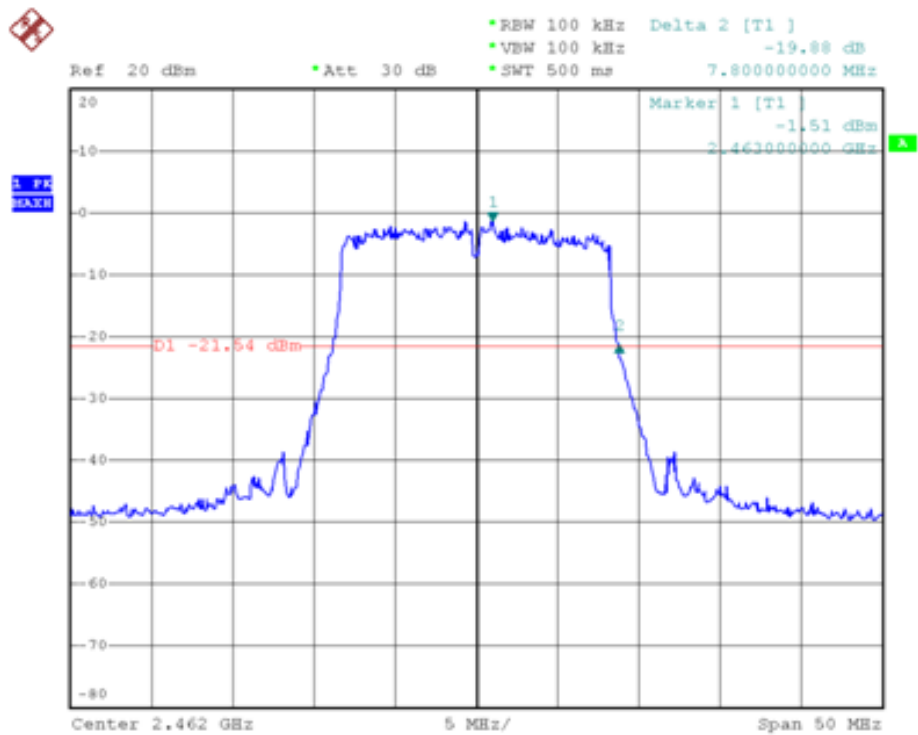
1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Band Edge (20dBc RF Conducted Measurement)
Mode 2: Transmit by 802.11g (An0) (2412MHz)

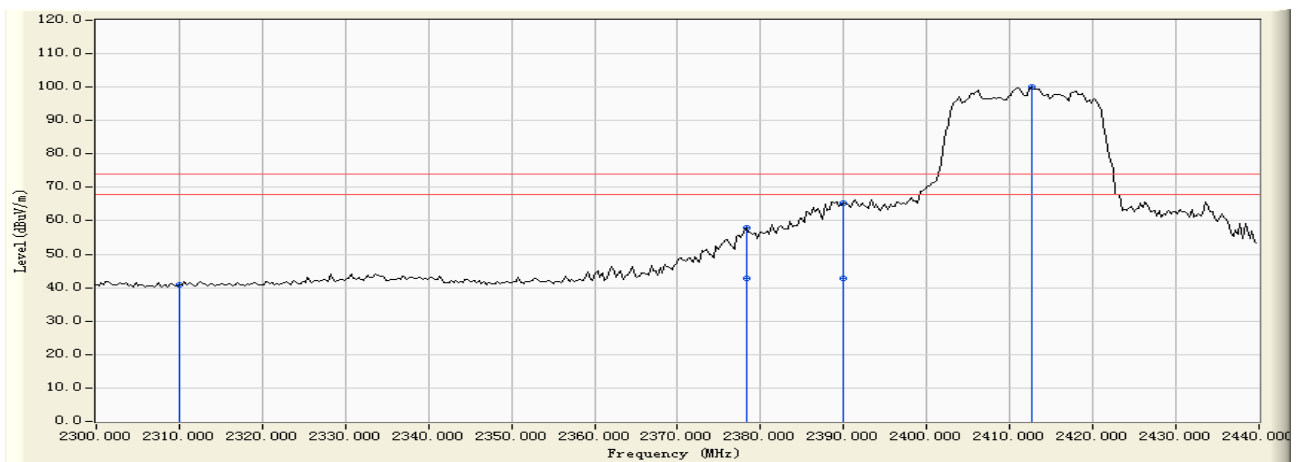


Band Edge (20dBc RF Conducted Measurement)
Mode 2: Transmit by 802.11g (An0) (2462MHz)





Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 09:55
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2412MHz)



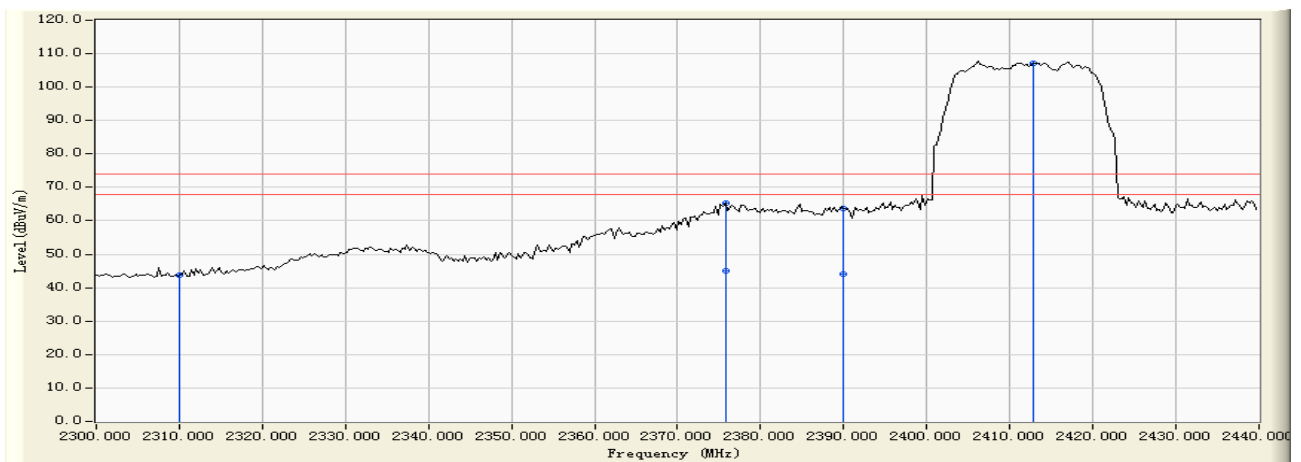
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	40.707	40.896	-33.104	74.000	PEAK
2		2378.243	0.332	57.689	58.021	-15.979	74.000	PEAK
3		2378.243	0.332	42.590	42.922	-11.078	54.000	AVERAGE
4		2390.000	0.358	64.858	65.216	-8.784	74.000	PEAK
5		2390.000	0.358	42.580	42.938	-11.062	54.000	AVERAGE
6	*	2412.615	0.431	99.509	99.940	N/A	N/A	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 09:56
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2412MHz)



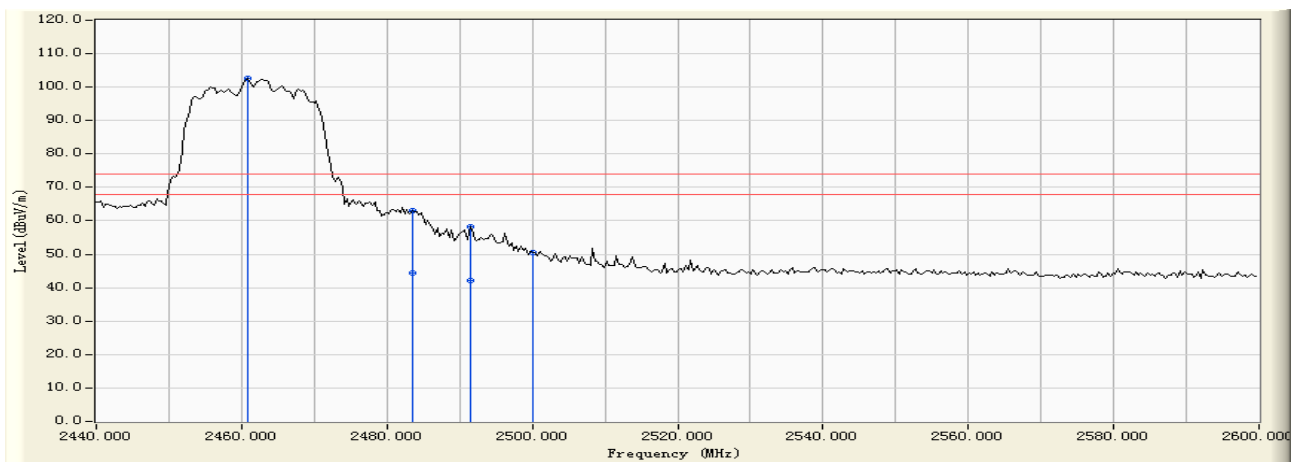
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	43.644	43.833	-30.167	74.000	PEAK
2		2375.729	0.325	64.863	65.189	-8.811	74.000	PEAK
3		2375.729	0.325	44.570	44.896	-9.104	54.000	AVERAGE
4		2390.000	0.358	63.354	63.712	-10.288	74.000	PEAK
5		2390.000	0.358	43.590	43.948	-10.052	54.000	AVERAGE
6	*	2412.894	0.432	106.823	107.255	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 : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 09:58
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2462MHz)



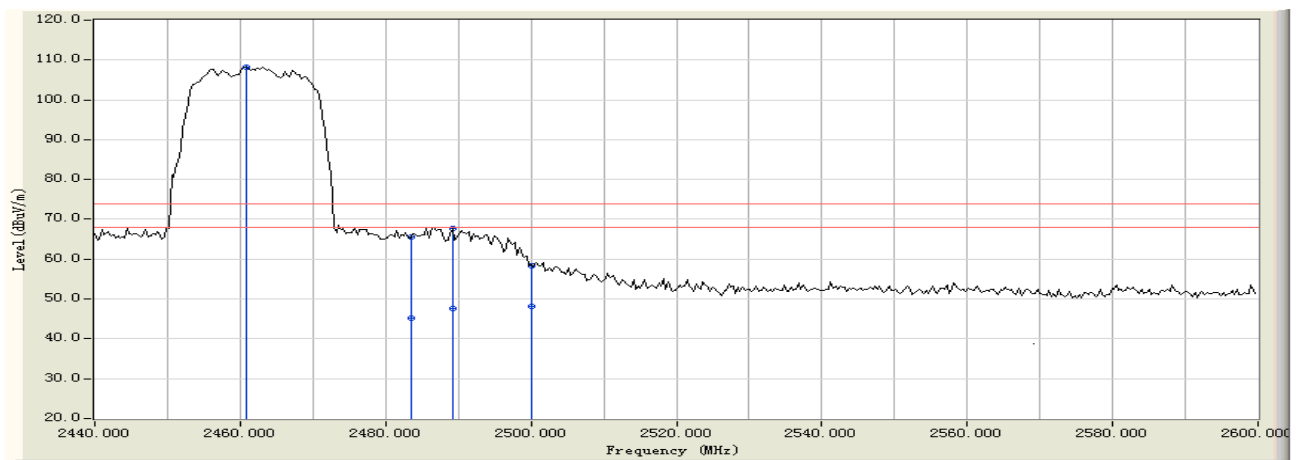
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.758	0.594	101.982	102.576	N/A	N/A	PEAK
2		2483.500	0.672	62.291	62.964	-11.036	74.000	PEAK
3		2483.500	0.672	43.590	44.263	-9.737	54.000	AVERAGE
4		2491.417	0.700	57.472	58.172	-15.828	74.000	PEAK
5		2491.417	0.700	41.570	42.270	-11.730	54.000	AVERAGE
6		2500.000	0.737	49.854	50.590	-23.410	74.000	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 09:59
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0) (2462MHz)



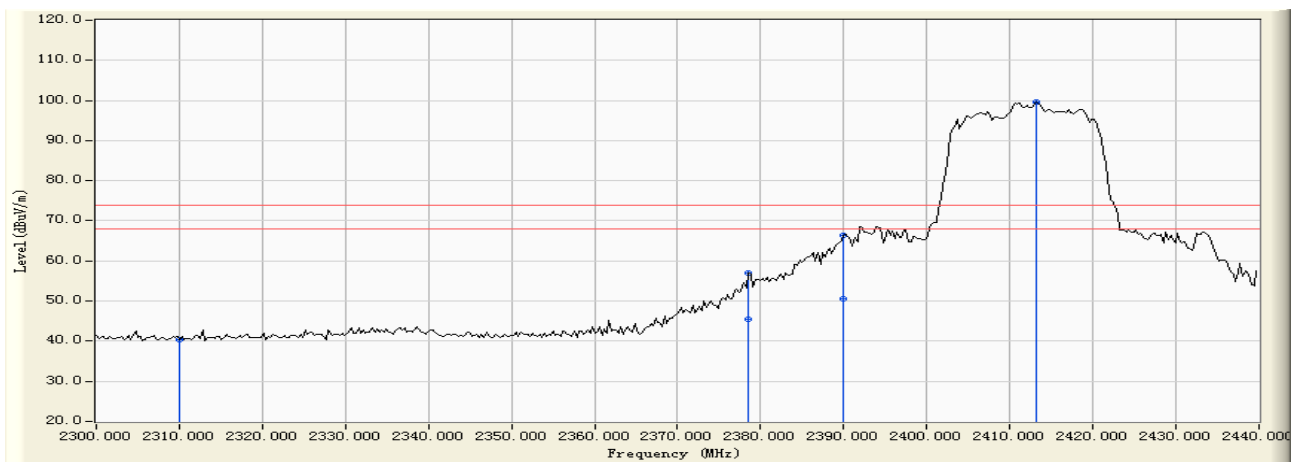
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.758	0.594	107.616	108.210	N/A	N/A	PEAK
2		2483.500	0.672	64.866	65.539	-8.461	74.000	PEAK
3		2483.500	0.672	44.590	45.263	-8.737	54.000	AVERAGE
4		2489.182	0.692	66.988	67.680	-6.320	74.000	PEAK
5		2489.182	0.692	46.850	47.542	-6.458	54.000	AVERAGE
6		2500.000	0.737	57.723	58.459	-15.541	74.000	PEAK
6		2500.000	0.737	47.723	48.459	-5.541	54.000	AVERAGE

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 10:08
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2412MHz)



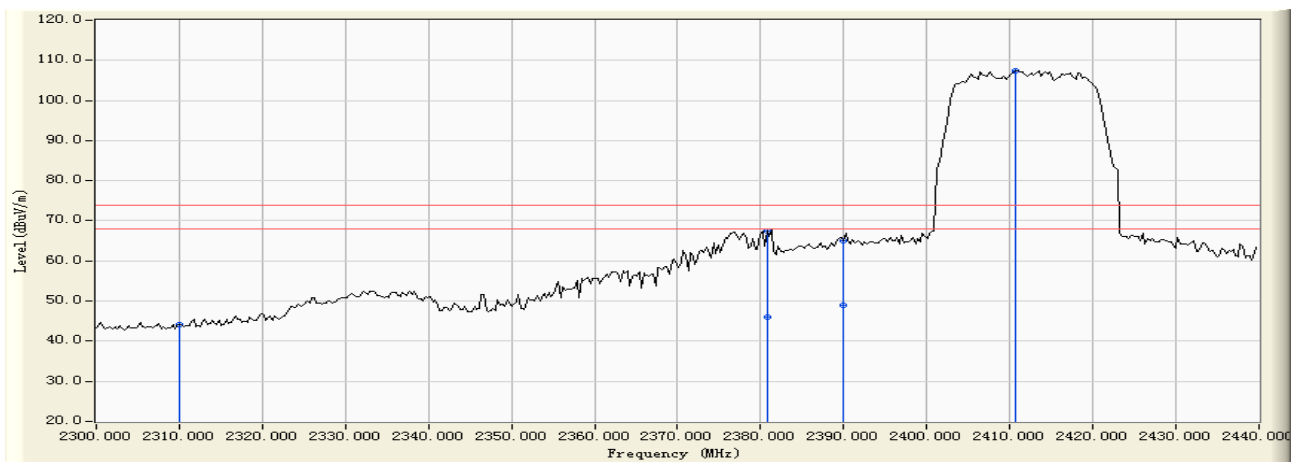
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	40.266	40.455	-33.545	74.000	PEAK
2		2378.523	0.332	56.573	56.905	-17.095	74.000	PEAK
3		2378.523	0.332	45.240	45.572	-8.428	54.000	AVERAGE
4		2390.000	0.358	66.080	66.438	-7.562	74.000	PEAK
5		2390.000	0.358	50.180	50.538	-3.462	54.000	AVERAGE
6	*	2413.174	0.433	99.272	99.705	N/A	N/A	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 10:09
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2412MHz)



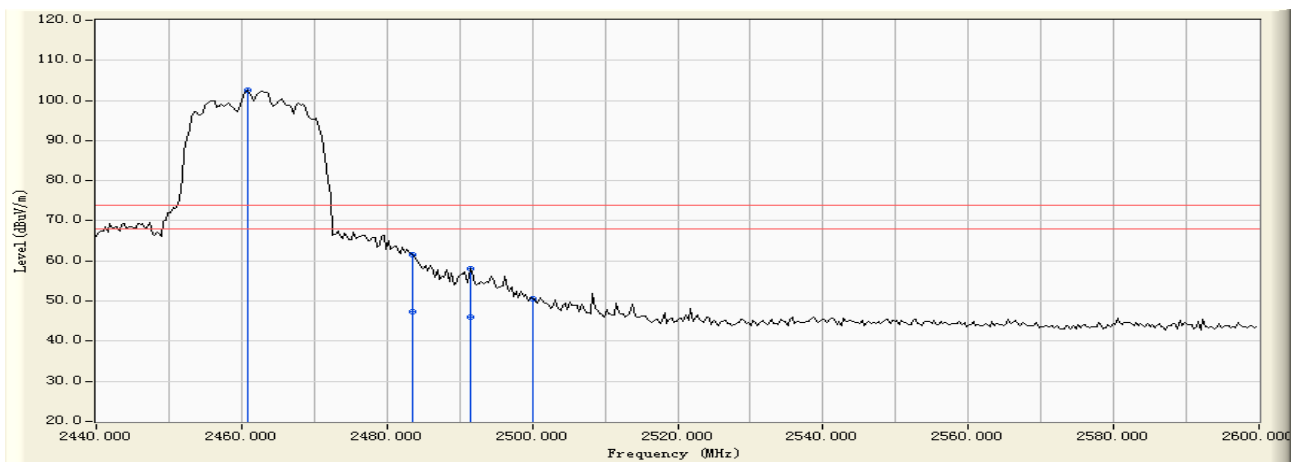
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	43.939	44.128	-29.872	74.000	PEAK
2		2380.759	0.337	67.060	67.397	-6.603	74.000	PEAK
3		2380.759	0.337	45.670	46.007	-7.993	54.000	AVERAGE
4		2390.000	0.358	64.765	65.123	-8.877	74.000	PEAK
5		2390.000	0.358	48.560	48.918	-5.082	54.000	AVERAGE
6	*	2410.659	0.424	107.005	107.429	N/A	N/A	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 10:09
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2462MHz)



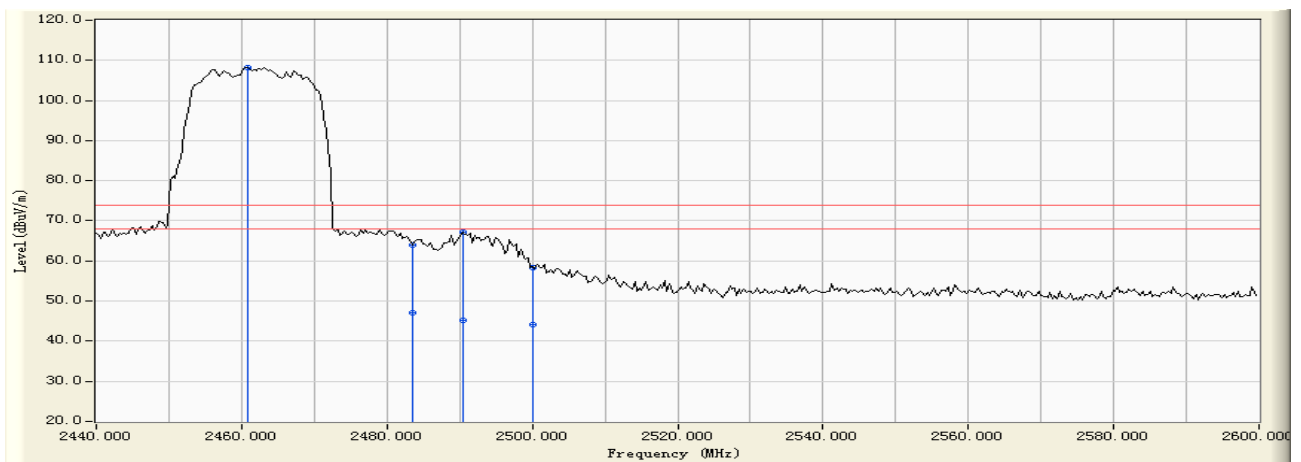
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.758	0.594	101.982	102.576	N/A	N/A	PEAK
2		2483.500	0.672	60.770	61.443	-12.557	74.000	PEAK
3		2483.500	0.672	46.570	47.243	-6.757	54.000	AVERAGE
4		2491.417	0.700	57.472	58.172	-15.828	74.000	PEAK
5		2491.417	0.700	45.260	45.960	-8.040	54.000	AVERAGE
6		2500.000	0.737	49.854	50.590	-23.410	74.000	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 10:10
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An1) (2462MHz)



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.758	0.594	107.616	108.210	N/A	N/A	PEAK
2		2483.500	0.672	63.366	64.039	-9.961	74.000	PEAK
3		2483.500	0.672	46.520	47.193	-6.807	54.000	AVERAGE
4		2490.459	0.697	66.449	67.146	-6.854	74.000	PEAK
5		2490.459	0.697	44.570	45.267	-8.733	54.000	AVERAGE
6		2500.000	0.737	57.723	58.459	-15.541	74.000	PEAK
7		2500.000	0.737	43.260	43.996	-10.004	54.000	AVERAGE

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:10
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2412MHz)



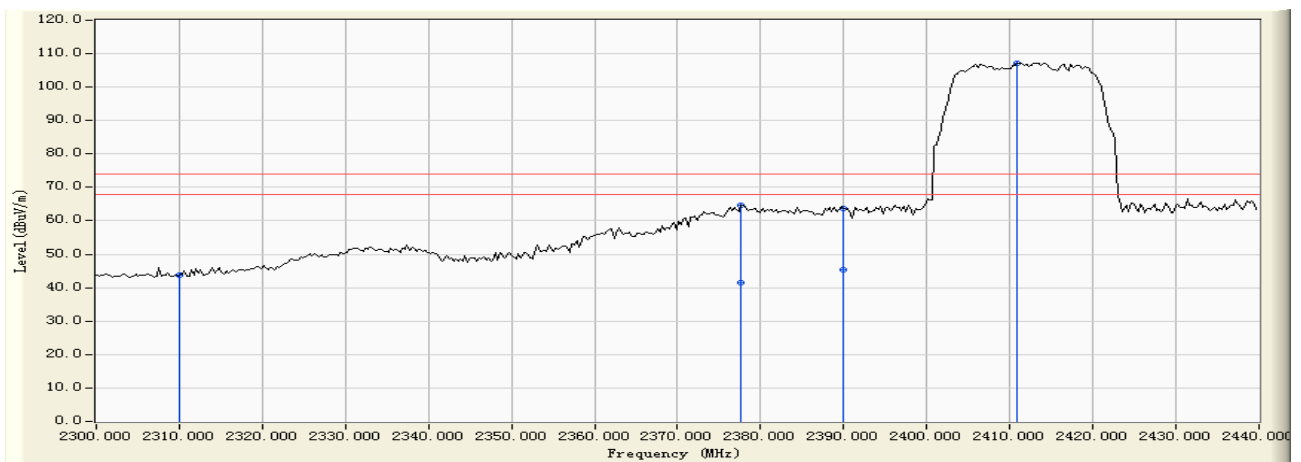
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	40.266	40.455	-33.545	74.000	PEAK
2		2378.523	0.332	56.573	56.905	-17.095	74.000	PEAK
3		2378.523	0.332	42.170	42.502	-11.498	54.000	AVERAGE
4		2390.000	0.358	66.080	66.438	-7.562	74.000	PEAK
5		2390.000	0.358	45.030	45.388	-8.612	54.000	AVERAGE
6	*	2410.938	0.425	98.670	99.095	N/A	N/A	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:10
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2412MHz)



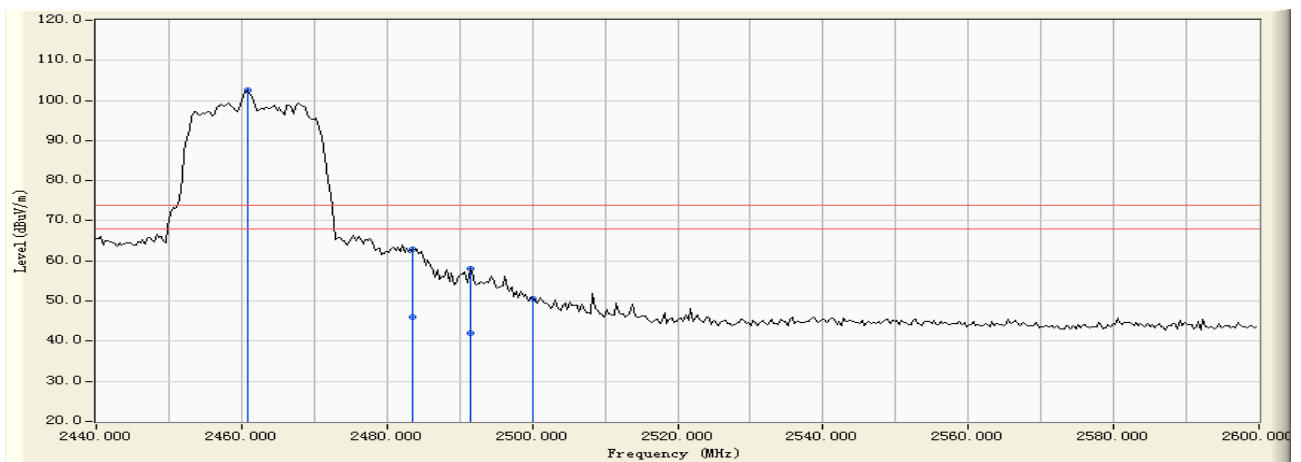
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	43.644	43.833	-30.167	74.000	PEAK
2		2377.685	0.331	64.298	64.628	-9.372	74.000	PEAK
3		2377.685	0.331	41.290	41.620	-12.380	54.000	AVERAGE
4		2390.000	0.358	63.354	63.712	-10.288	74.000	PEAK
5		2390.000	0.358	45.030	45.388	-8.612	54.000	AVERAGE
6	*	2410.938	0.425	106.835	107.260	N/A	N/A	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:11
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2462MHz)



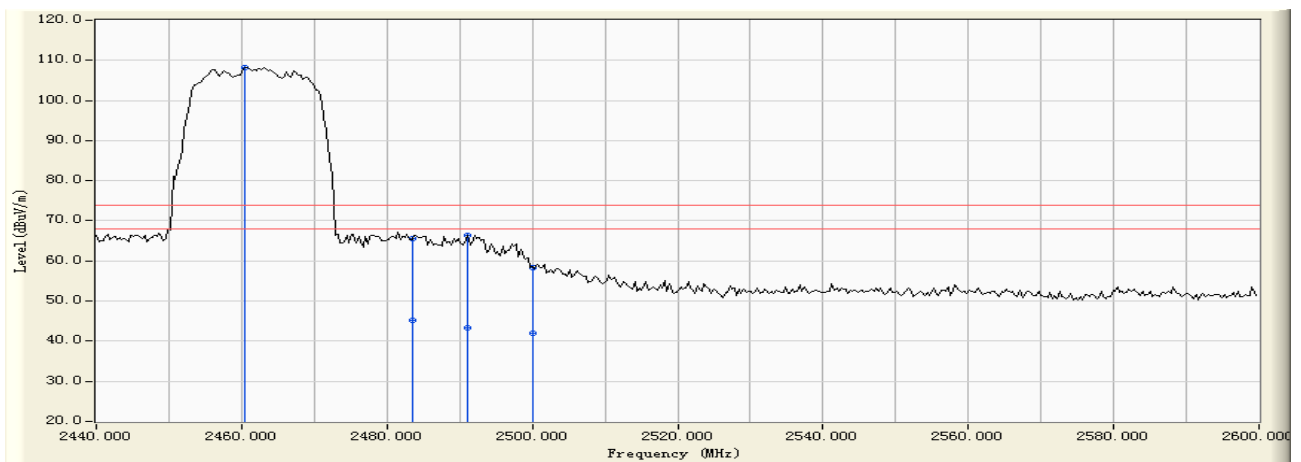
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.759	0.594	101.982	102.576	N/A	N/A	PEAK
2		2483.500	0.672	62.291	62.964	-11.036	74.000	PEAK
3		2483.500	0.672	45.260	45.933	-8.067	54.000	AVERAGE
4		2491.417	0.700	57.472	58.172	-15.828	74.000	PEAK
5		2491.417	0.700	41.350	42.050	-11.950	54.000	AVERAGE
6		2500.000	0.737	49.854	50.590	-23.410	74.000	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:11
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 3: Transmit by 802.11n(20MHz) (An0 and An1) (2462MHz)



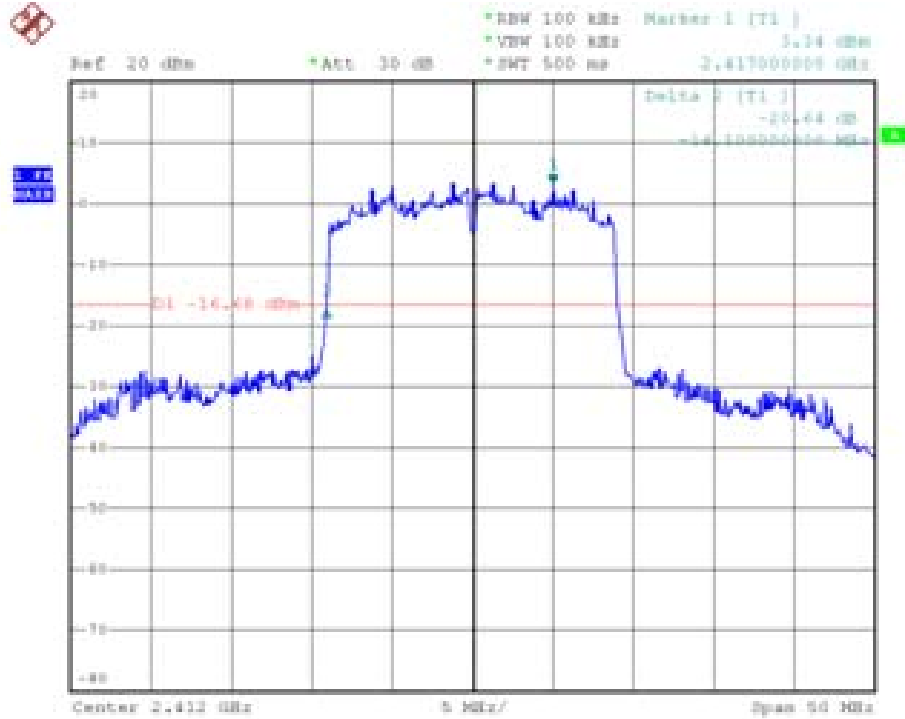
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.439	0.593	107.567	108.160	N/A	N/A	PEAK
2		2483.500	0.672	64.866	65.539	-8.461	74.000	PEAK
3		2483.500	0.672	44.650	45.323	-8.677	54.000	AVERAGE
4		2491.098	0.699	65.675	66.374	-7.626	74.000	PEAK
5		2491.098	0.699	42.570	43.269	-10.731	54.000	AVERAGE
6		2500.000	0.737	57.723	58.459	-15.541	74.000	PEAK
7		2500.000	0.737	41.290	42.026	-11.974	54.000	AVERAGE

Note:

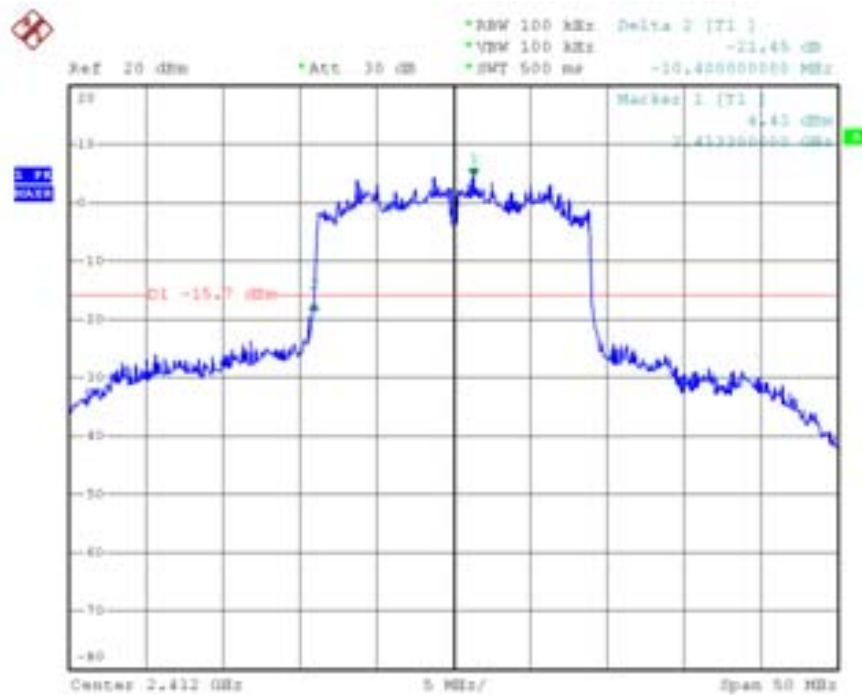
1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Band Edge (20dBc RF Conducted Measurement)
Mode 3: Transmit by 802.11n (20MHz) (An0) (2412MHz)

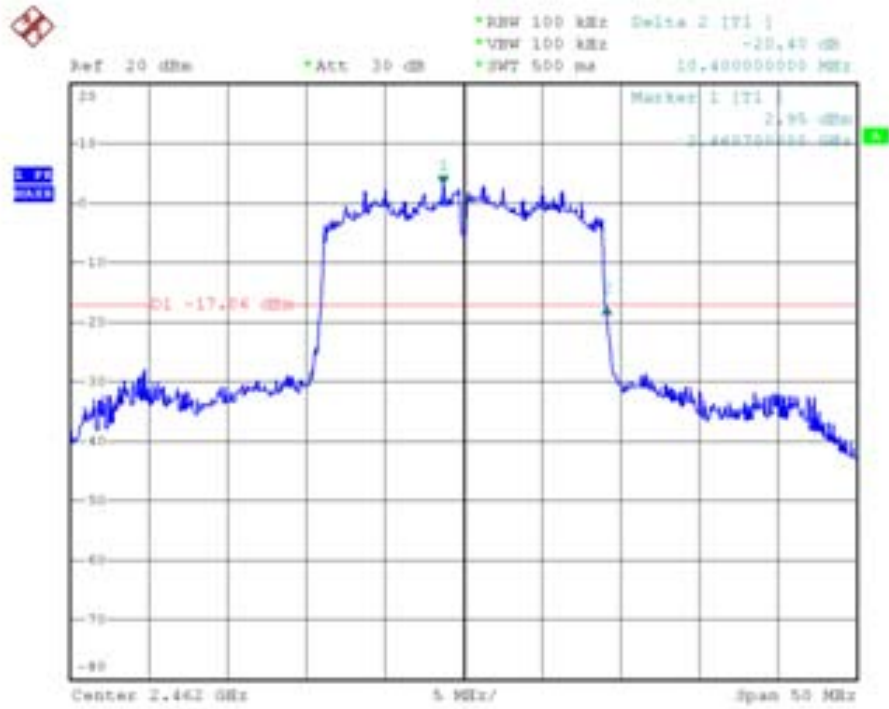


Band Edge (20dBc RF Conducted Measurement)
Mode 3: Transmit by 802.11n (20MHz) (An1) (2412MHz)

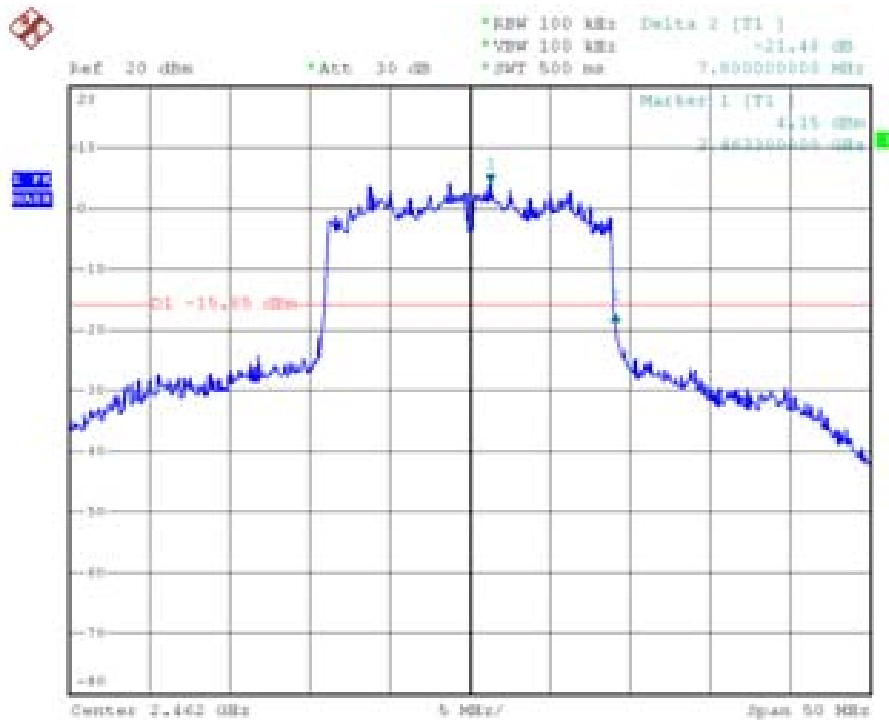




Band Edge (20dBc RF Conducted Measurement)
Mode 3: Transmit by 802.11n (20MHz) (An0) (2462MHz)

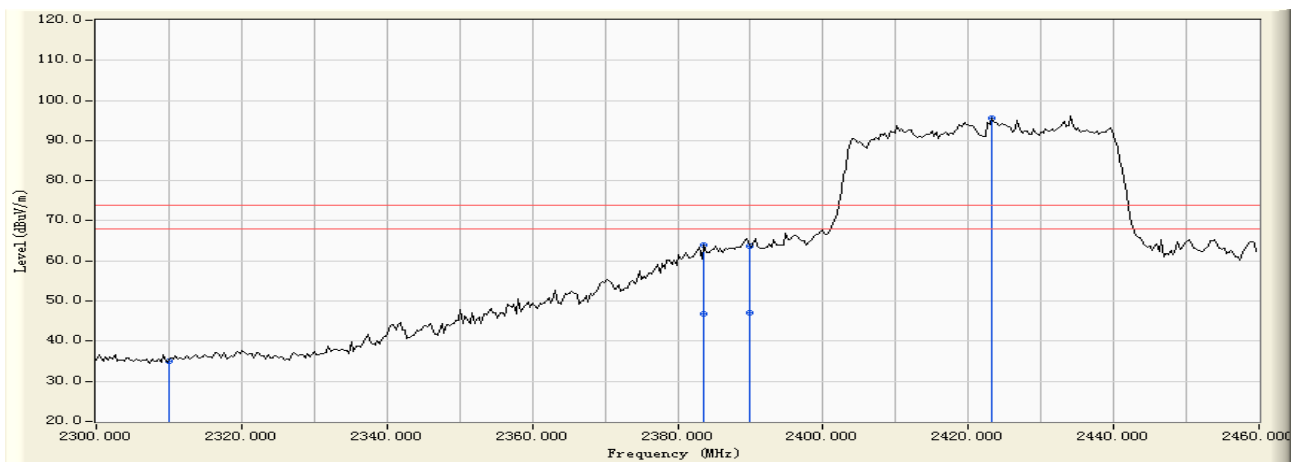


Band Edge (20dBc RF Conducted Measurement)
Mode 3: Transmit by 802.11n (20MHz) (An1) (2462MHz)





Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 10:01
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2422MHz)



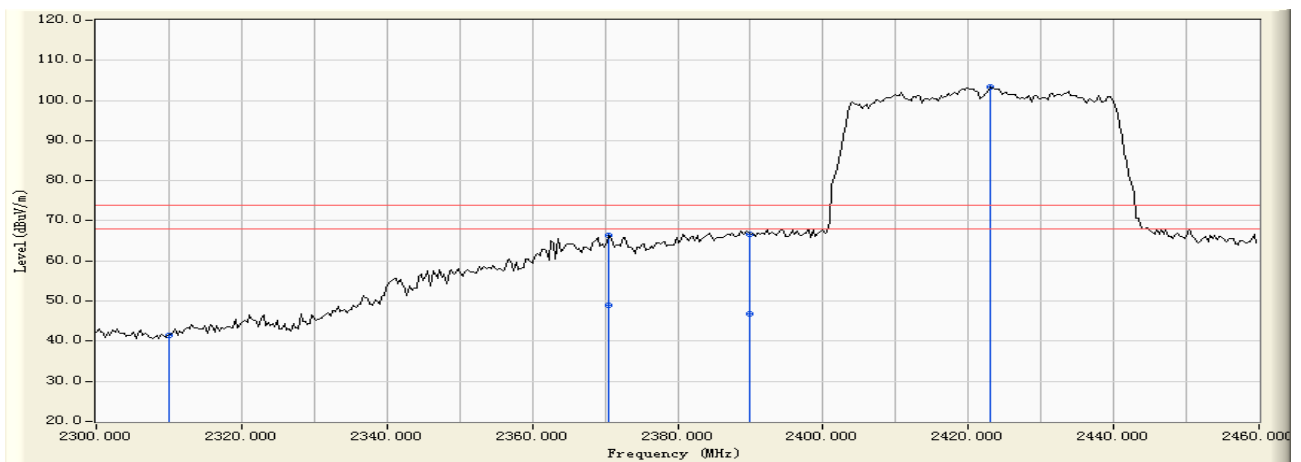
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	34.951	35.140	-38.860	74.000	PEAK
2		2383.673	0.343	63.749	64.093	-9.907	74.000	PEAK
3		2383.673	0.343	46.580	46.924	-7.076	54.000	AVERAGE
4		2390.000	0.358	63.345	63.703	-10.297	74.000	PEAK
5		2390.000	0.358	46.850	47.208	-6.792	54.000	AVERAGE
6	*	2423.273	0.467	95.126	95.593	N/A	N/A	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 10:02
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2422MHz)



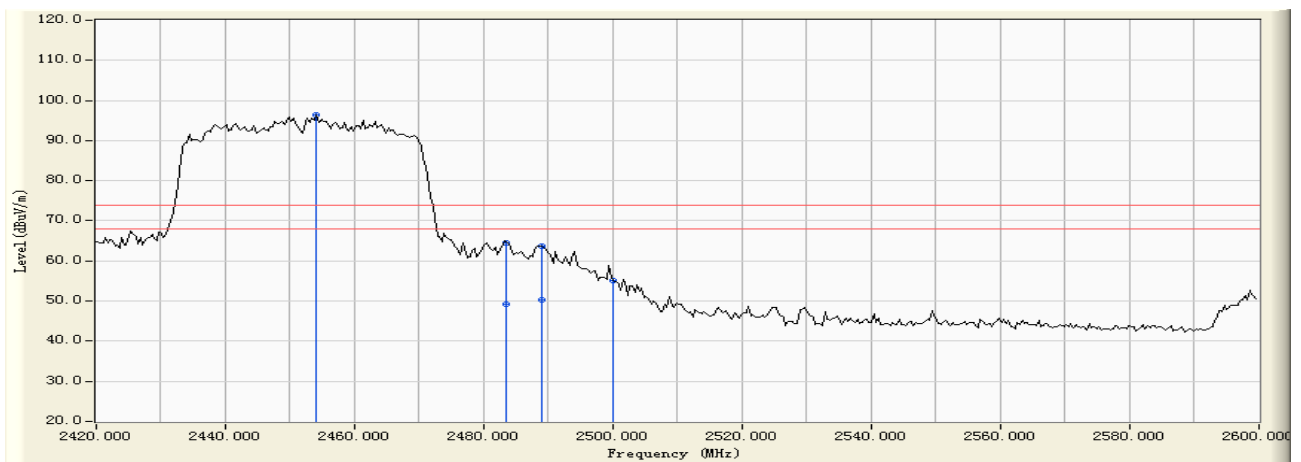
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	41.361	41.550	-32.450	74.000	PEAK
2		2370.579	0.316	66.051	66.367	-7.633	74.000	PEAK
3		2370.579	0.316	48.520	48.836	-5.164	54.000	AVERAGE
4		2390.000	0.358	66.316	66.674	-7.326	74.000	PEAK
5		2390.000	0.358	46.580	46.938	-7.062	54.000	AVERAGE
6	*	2422.954	0.466	102.823	103.289	N/A	N/A	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 10:05
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2452MHz)



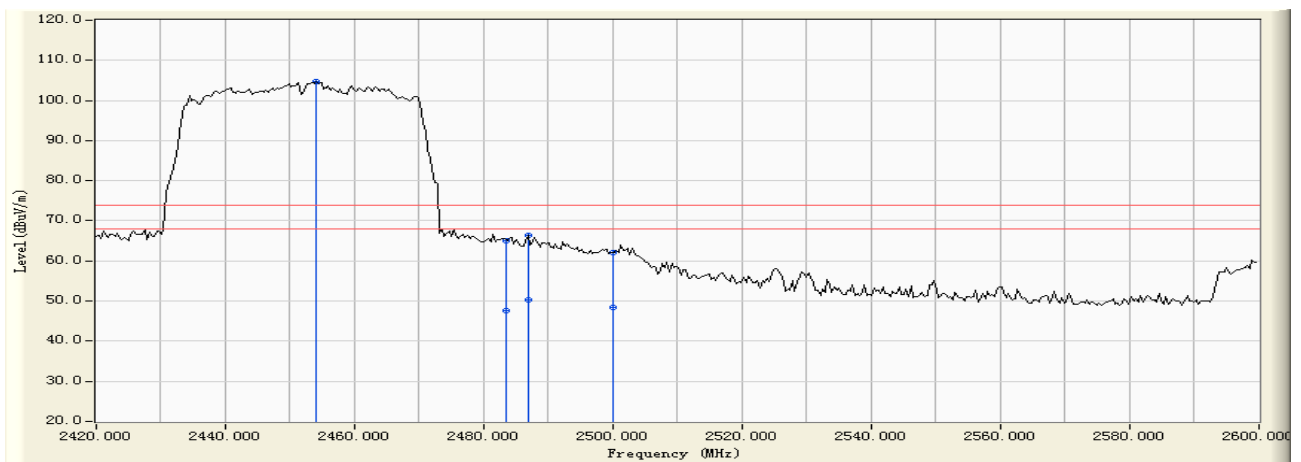
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2454.132	0.568	95.763	96.331	N/A	N/A	PEAK
2		2483.500	0.672	63.903	64.576	-9.424	74.000	PEAK
3		2483.500	0.672	48.590	49.263	-4.737	54.000	AVERAGE
4		2488.982	0.692	63.074	63.766	-10.234	74.000	PEAK
5		2488.982	0.692	49.570	50.262	-3.738	54.000	AVERAGE
6		2500.000	0.737	52.418	53.154	-20.846	74.000	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 10:06
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0) (2452MHz)



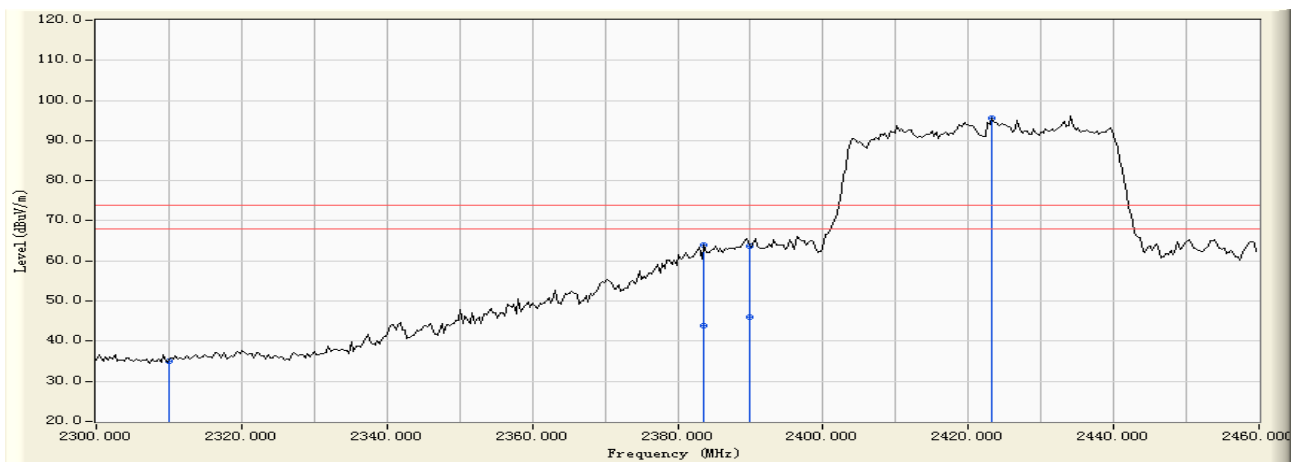
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2454.132	0.568	104.254	104.822	N/A	N/A	PEAK
2		2483.500	0.672	64.487	65.160	-8.840	74.000	PEAK
3		2483.500	0.672	46.950	47.623	-6.377	54.000	AVERAGE
4		2486.826	0.684	65.571	66.255	-7.745	74.000	PEAK
5		2486.826	0.684	49.570	50.254	-3.746	54.000	AVERAGE
6		2500.000	0.737	61.314	62.050	-11.950	74.000	PEAK
7		2500.000	0.737	47.580	48.316	-5.684	54.000	AVERAGE

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 15:10
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2422MHz)



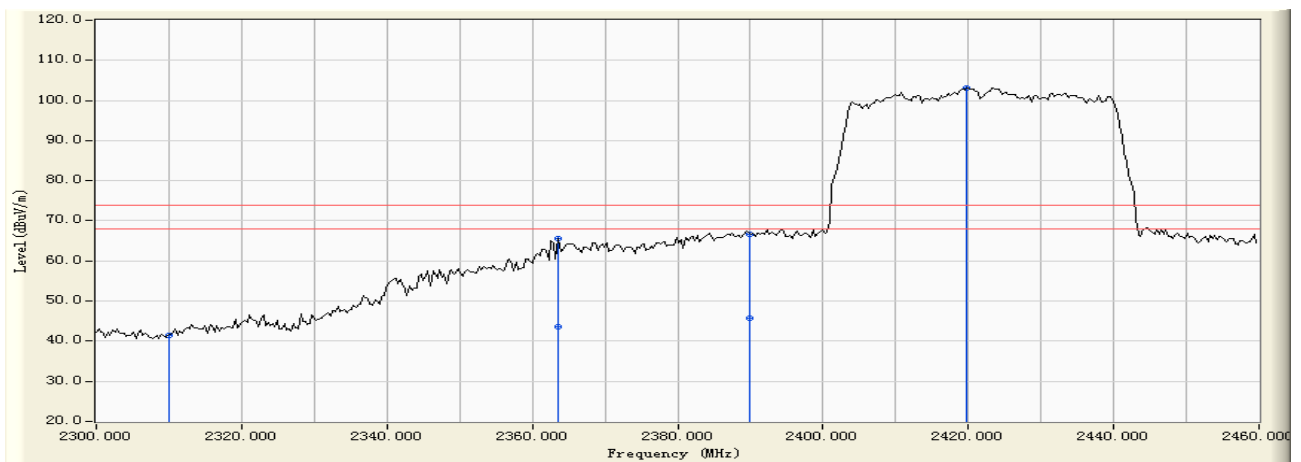
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	34.951	35.140	-38.860	74.000	PEAK
2		2383.673	0.343	63.749	64.093	-9.907	74.000	PEAK
3		2383.673	0.343	43.510	43.854	-10.146	54.000	AVERAGE
4		2390.000	0.358	63.345	63.703	-10.297	74.000	PEAK
5		2390.000	0.358	45.690	46.048	-7.952	54.000	AVERAGE
6	*	2423.273	0.467	95.126	95.593	N/A	N/A	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:09
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2422MHz)



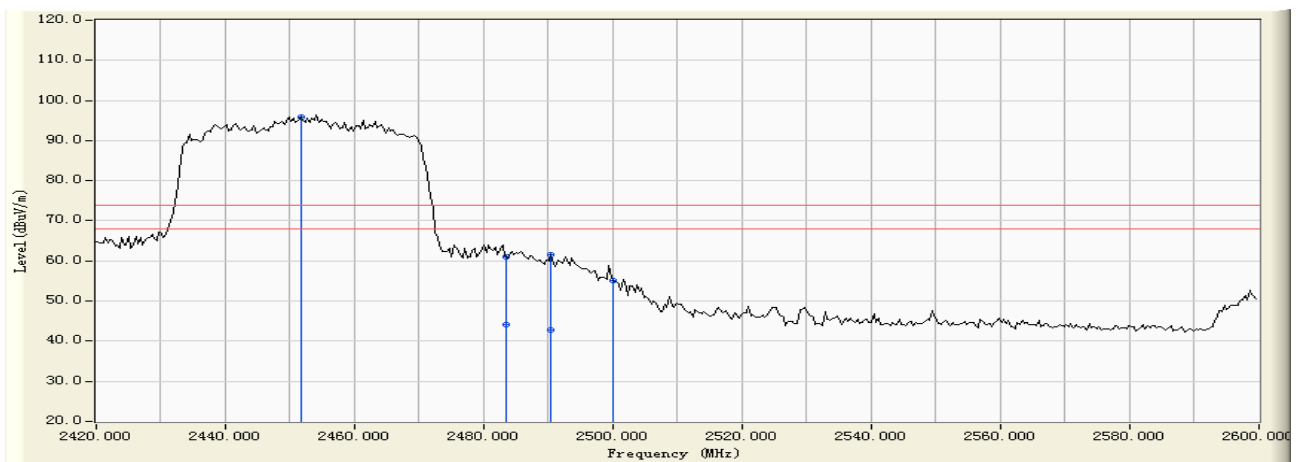
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	41.361	41.550	-32.450	74.000	PEAK
2		2363.553	0.303	65.197	65.500	-8.500	74.000	PEAK
3		2363.553	0.303	43.160	43.463	-10.537	54.000	AVERAGE
4		2390.000	0.358	66.316	66.674	-7.326	74.000	PEAK
5		2390.000	0.358	45.260	45.618	-8.382	54.000	AVERAGE
6	*	2419.760	0.455	102.712	103.167	N/A	N/A	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:09
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2452MHz)



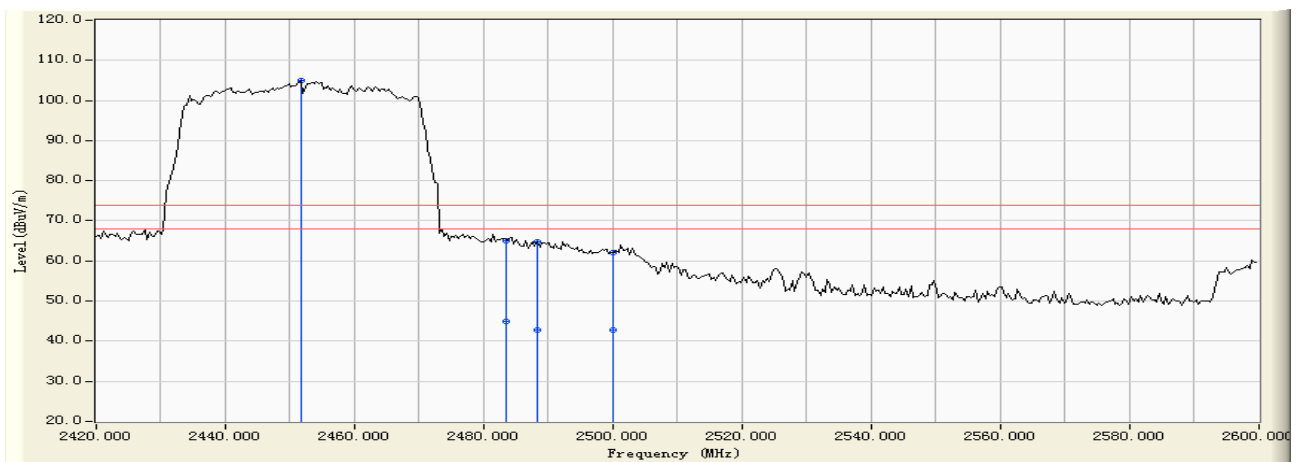
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2451.617	0.558	95.275	95.833	N/A	N/A	PEAK
2		2483.500	0.672	60.303	60.976	-13.024	74.000	PEAK
3		2483.500	0.672	43.570	44.243	-9.757	54.000	AVERAGE
4		2490.419	0.697	60.731	61.428	-12.572	74.000	PEAK
5		2490.419	0.697	42.050	42.747	-11.253	54.000	AVERAGE
6		2500.000	0.737	51.418	52.155	-21.845	74.000	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:09
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An1) (2452MHz)



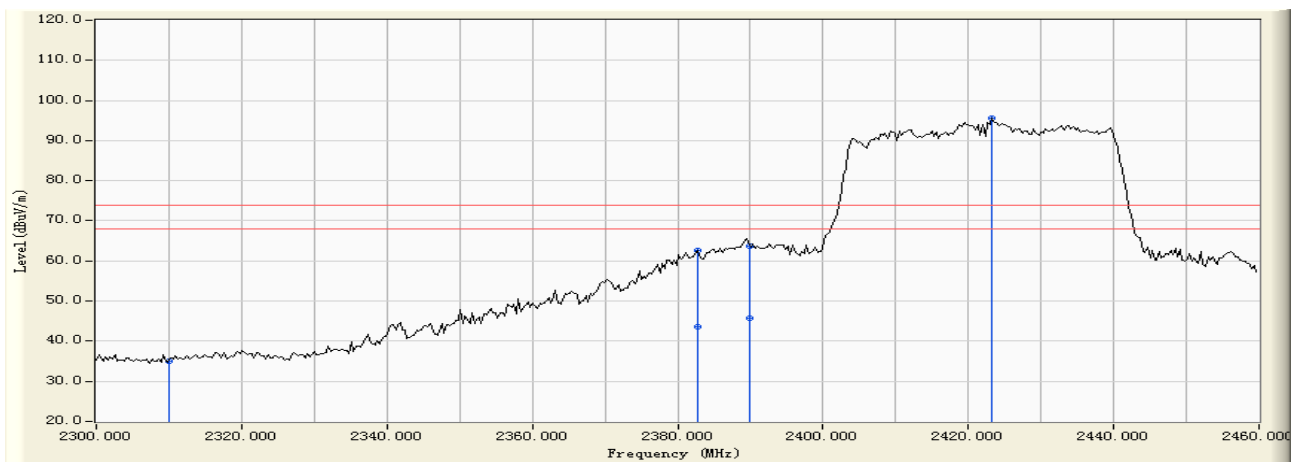
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2451.617	0.558	104.510	105.068	N/A	N/A	PEAK
2		2483.500	0.672	64.487	65.160	-8.840	74.000	PEAK
3		2483.500	0.672	44.150	44.823	-9.177	54.000	AVERAGE
4		2488.263	0.689	64.173	64.862	-9.138	74.000	PEAK
5		2488.263	0.689	42.060	42.749	-11.251	54.000	AVERAGE
6		2500.000	0.737	61.314	62.050	-11.950	74.000	PEAK
7		2500.000	0.737	42.180	42.916	-11.084	54.000	AVERAGE

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:31
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2422MHz)



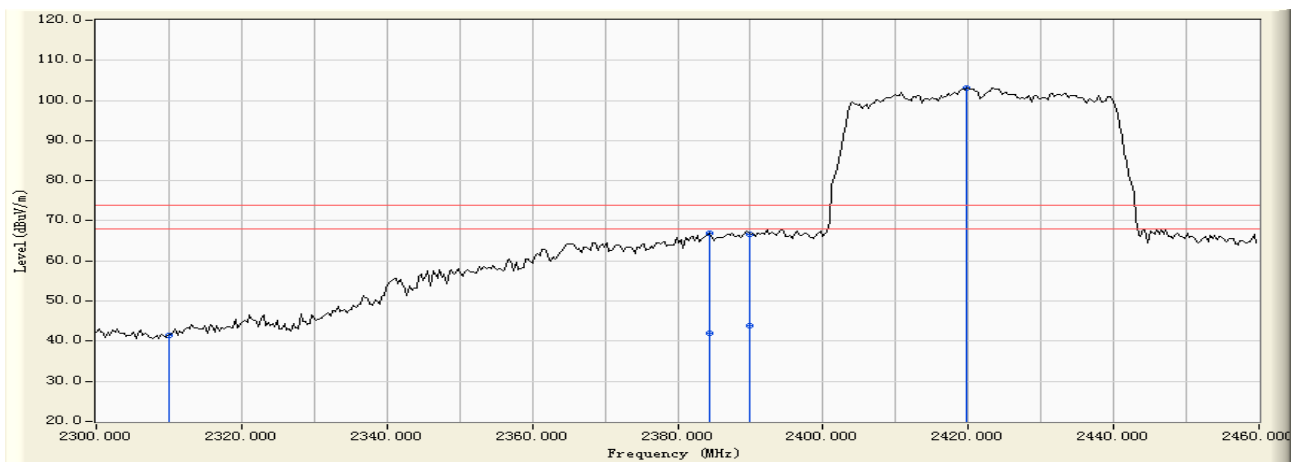
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	34.951	35.140	-38.860	74.000	PEAK
2		2382.715	0.342	62.270	62.612	-11.388	74.000	PEAK
3		2382.715	0.342	43.150	43.492	-10.508	54.000	AVERAGE
4		2390.000	0.358	63.345	63.703	-10.297	74.000	PEAK
5		2390.000	0.358	45.260	45.618	-8.382	54.000	AVERAGE
6	*	2423.273	0.467	95.126	95.593	N/A	N/A	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:31
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2422MHz)



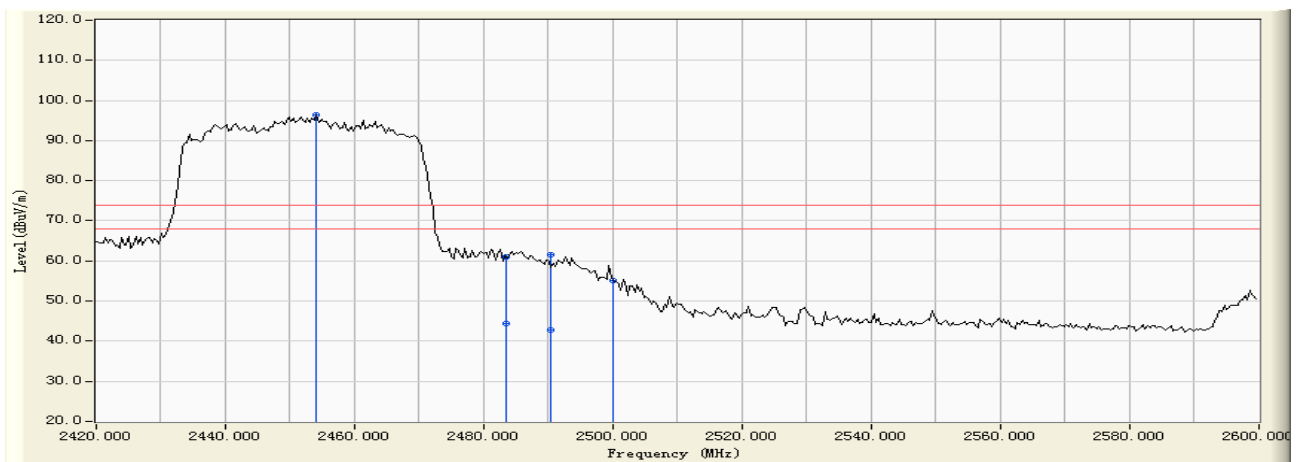
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	0.188	41.361	41.550	-32.450	74.000	PEAK
2		2384.311	0.345	66.477	66.822	-7.178	74.000	PEAK
3		2384.311	0.345	41.580	41.925	-12.075	54.000	AVERAGE
4		2390.000	0.358	66.316	66.674	-7.326	74.000	PEAK
5		2390.000	0.358	43.580	43.938	-10.062	54.000	AVERAGE
6	*	2419.760	0.455	102.712	103.167	N/A	N/A	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:31
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2452MHz)



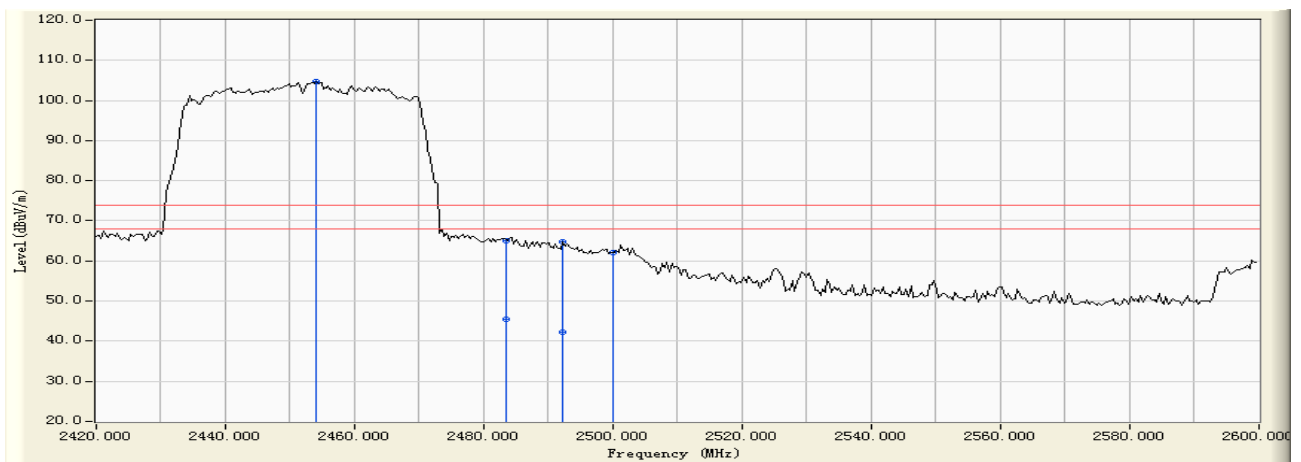
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2454.132	0.568	95.763	96.331	N/A	N/A	PEAK
2		2483.500	0.672	60.303	60.976	-13.024	74.000	PEAK
3		2483.500	0.672	43.590	44.263	-9.737	54.000	AVERAGE
4		2490.419	0.697	60.731	61.428	-12.572	74.000	PEAK
5		2490.419	0.697	42.180	42.877	-11.123	54.000	AVERAGE
6		2500.000	0.737	52.418	53.155	-20.845	74.000	PEAK

Note:

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



Engineer : Alice	
Site : EMC Lab AC 102	Time : 2010/09/17 - 21:31
Limit : FCC_15_03M_PK	Margin : 6
EUT : 802.11n Wireless VDSL2 4-Port Gateway with HPNA3.1	Probe : (1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 4: Transmit by 802.11n(40MHz) (An0 and An1) (2452MHz)



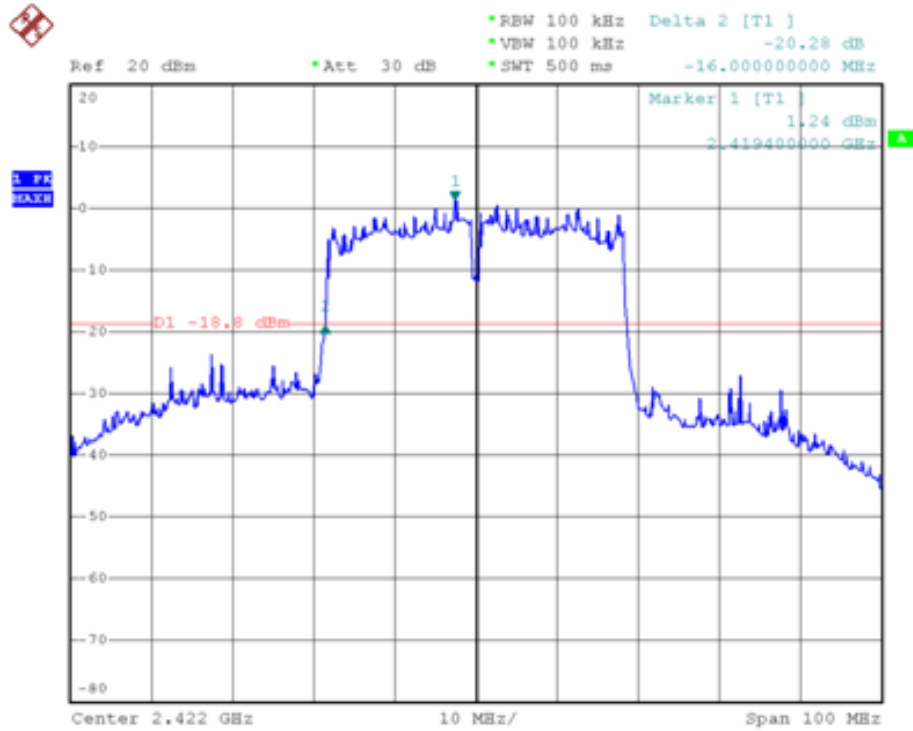
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2454.132	0.568	104.254	104.822	N/A	N/A	PEAK
2		2483.500	0.672	64.487	65.160	-8.840	74.000	PEAK
3		2483.500	0.672	44.690	45.363	-8.637	54.000	AVERAGE
4		2492.216	0.703	63.997	64.700	-9.300	74.000	PEAK
5		2492.216	0.703	41.580	42.283	-11.717	54.000	AVERAGE
6		2500.000	0.737	51.314	52.051	-21.949	74.000	PEAK

Note:

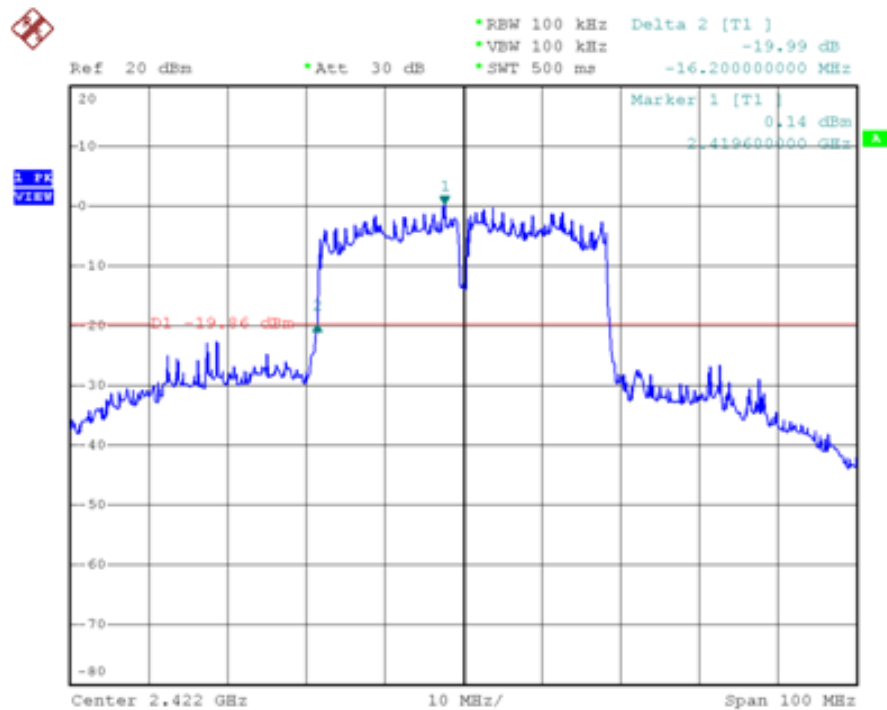
1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Band Edge (20dBc RF Conducted Measurement)
Mode 4: Transmit by 802.11n (40MHz) (An0) (2422MHz)

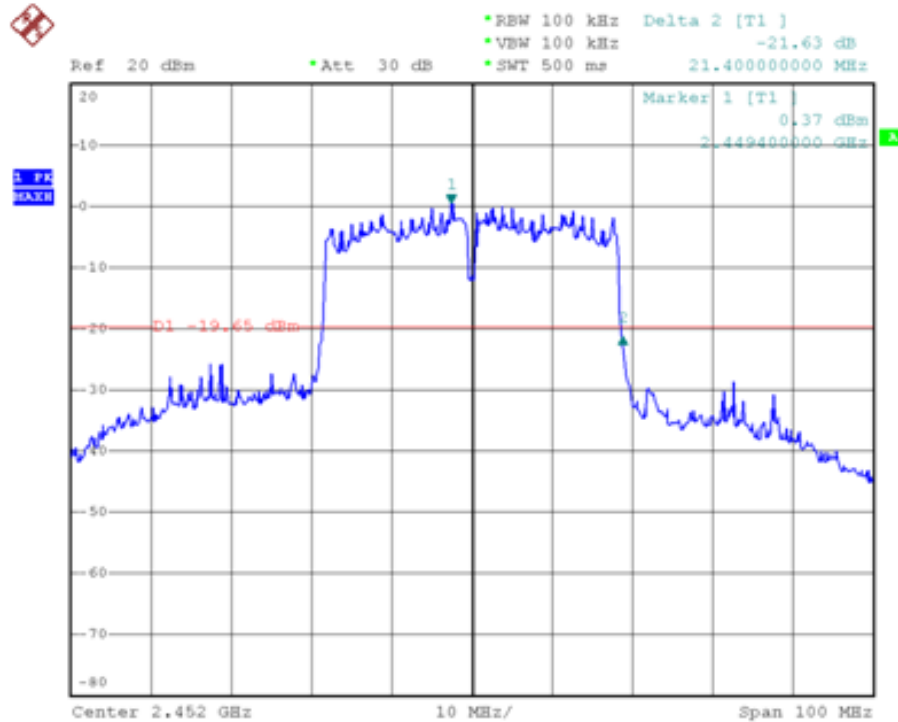


Band Edge (20dBc RF Conducted Measurement)
Mode 4: Transmit by 802.11n (40MHz) (An1) (2422MHz)

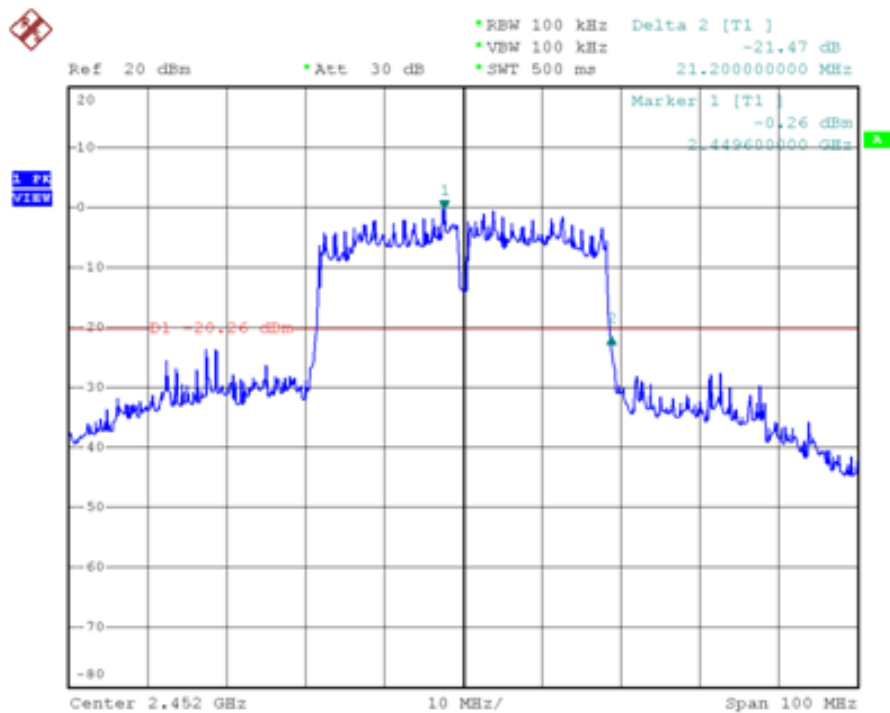




Band Edge (20dBc RF Conducted Measurement)
Mode 4: Transmit by 802.11 n (40MHz) (An0) (2452MHz)



Band Edge (20dBc RF Conducted Measurement)
Mode 4: Transmit by 802.11 n (40MHz) (An1) (2452MHz)





8. RF Antenna Conducted Spurious

8.1. Test Limit

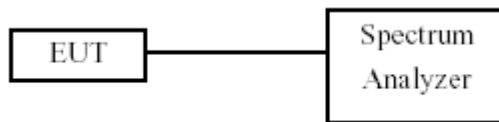
In any 100kHz bandwidth outside the frequency band in which the spread spectrum intentional Radiator is operating, the radio frequency power that is produced by the intentional radiator shall Be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

8.2. Test Procedure

The EUT was tested according to DTS test procedure of Oct 2002 KDB558074for compliance to FCC 47CFR 15.247 requirements.

Set RBW= 100 kHz, Set VBW>RBW, Sweep time=Auto, set up through 10 th harmonic.

8.3. Test Setup Layout



8.4. Measurement Equipment

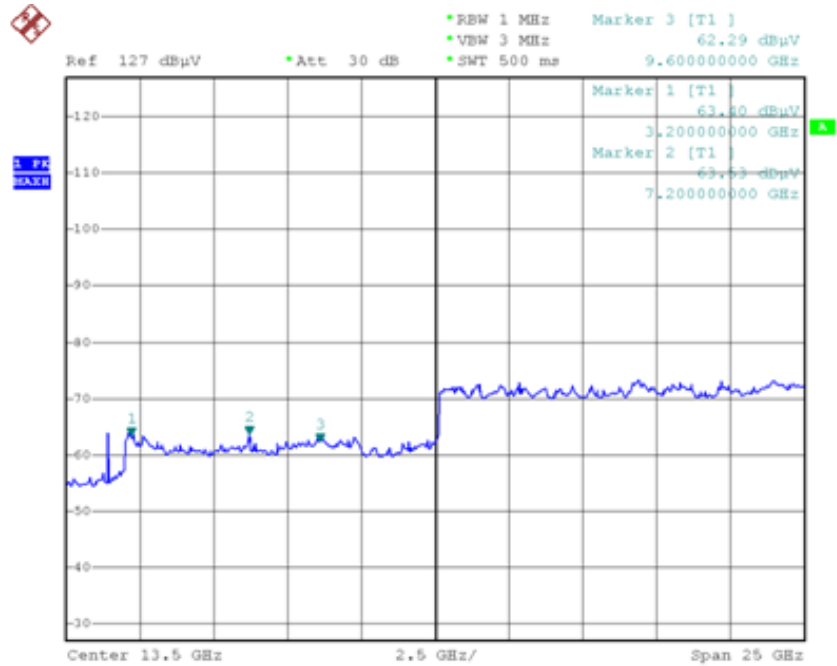
Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date
Spectrum Analyzer	R&S	FSP40	100324	2010.08.14
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-002	2010.08.17



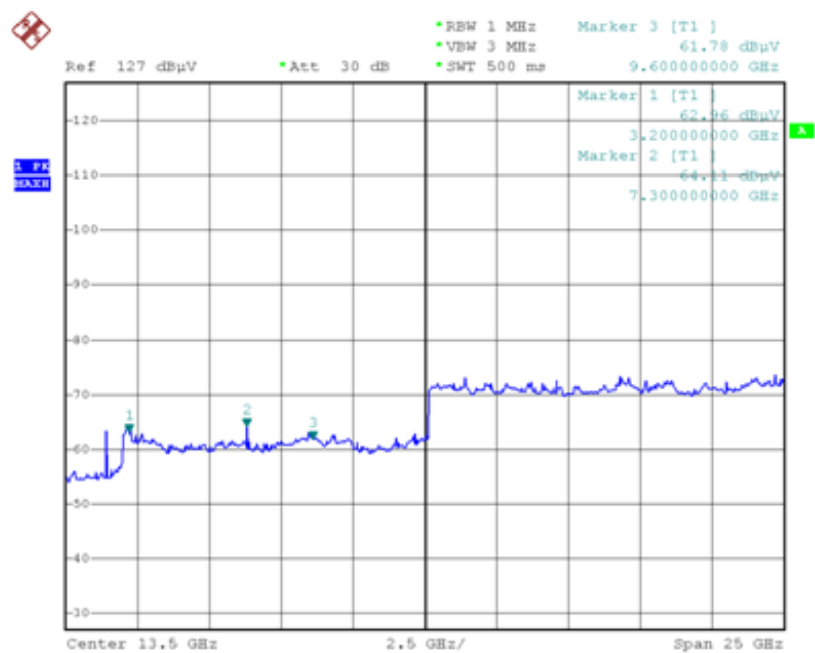
8.5. Test Result and Data

Test Item	RF Antenna Conducted Spurious
Test Mode	Mode 1: Transmit by 802.11b(An0)
Test Date	2010-09-20

Channel 01 (2412MHz)

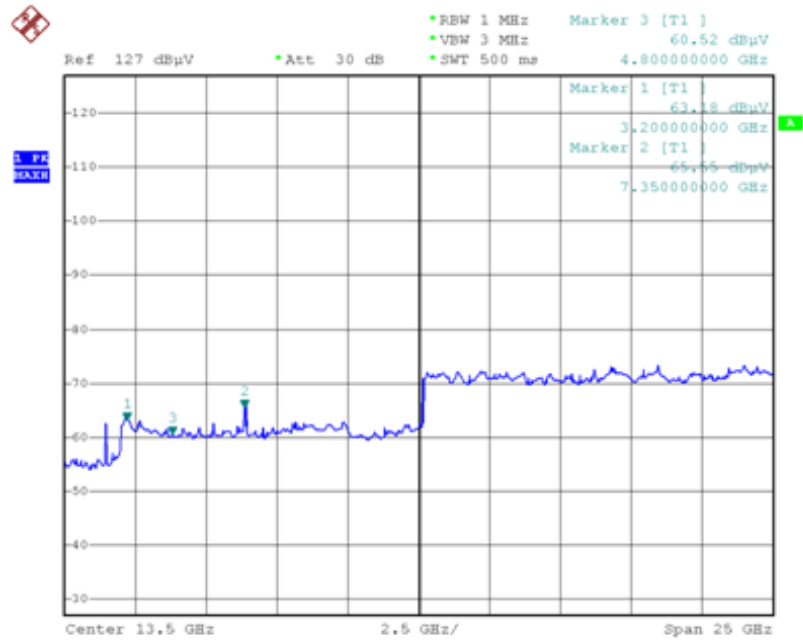


Channel 06 (2437MHz)





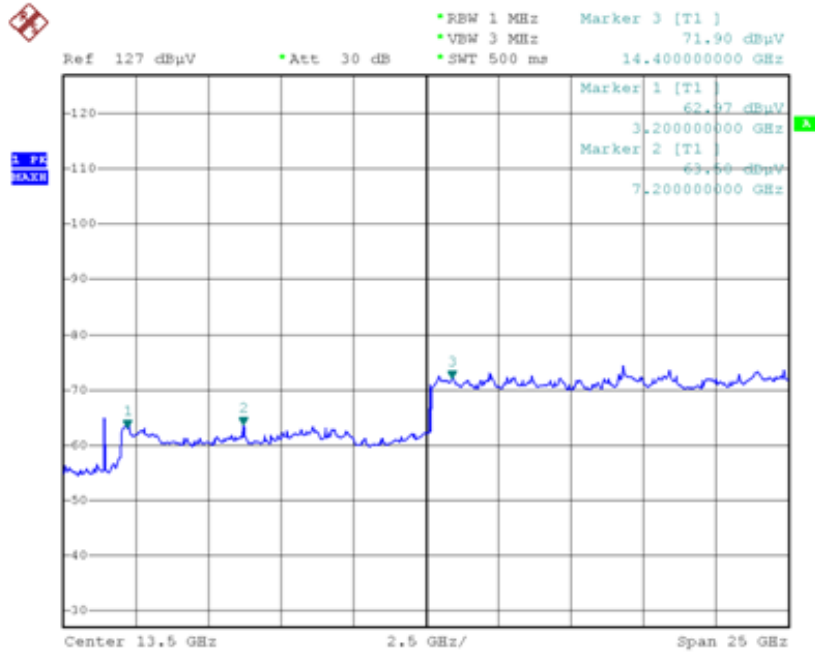
Channel 11 (2462MHz)



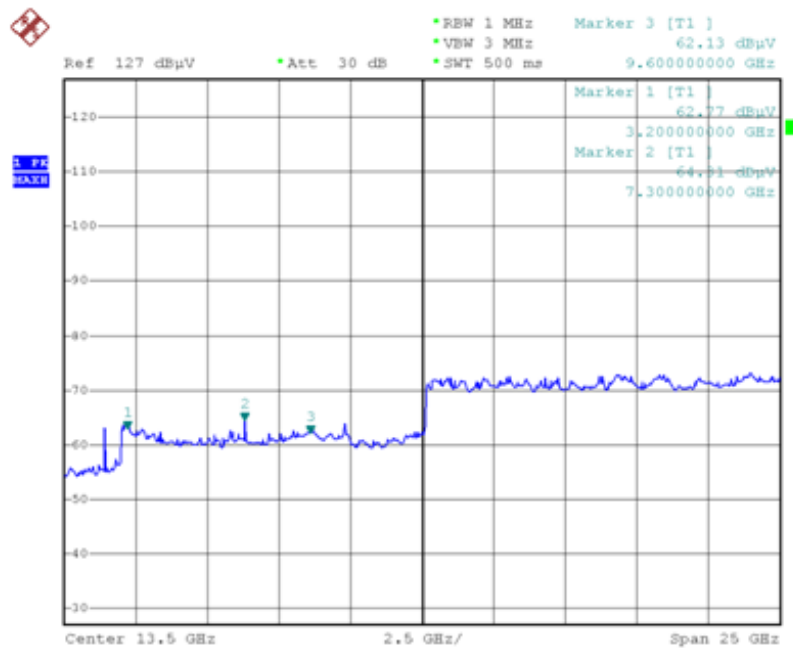


Test Item	RF Antenna Conducted Spurious
Test Mode	Mode 2: Transmit by 802.11g (An0)
Test Date	2010-09-20

Channel 01 (2412MHz)

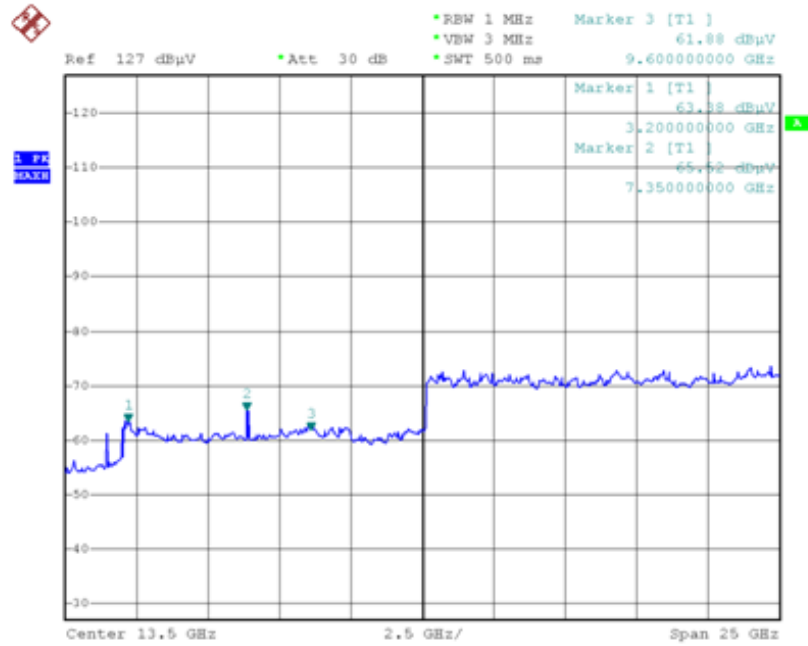


Channel 06 (2437MHz)





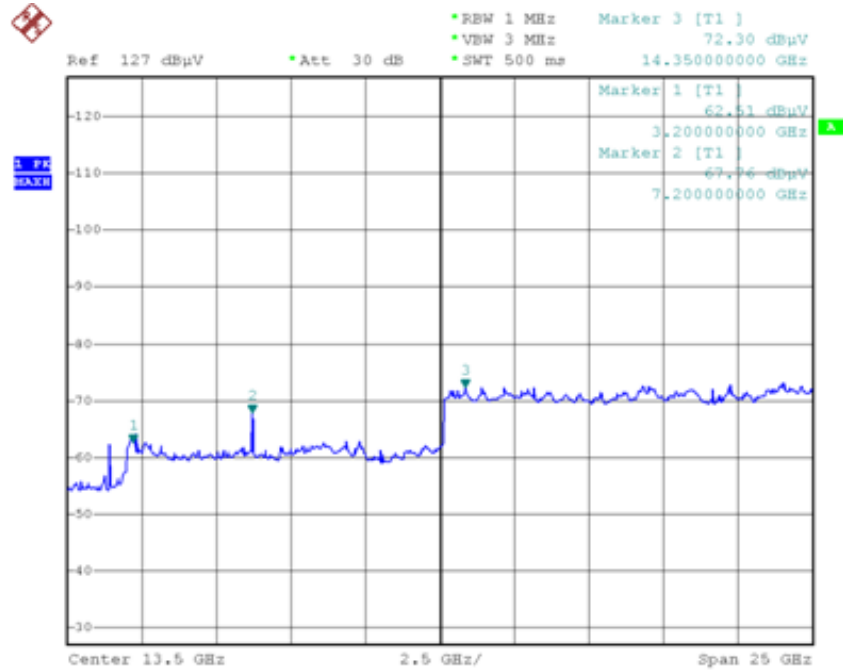
Channel 11 (2462MHz)



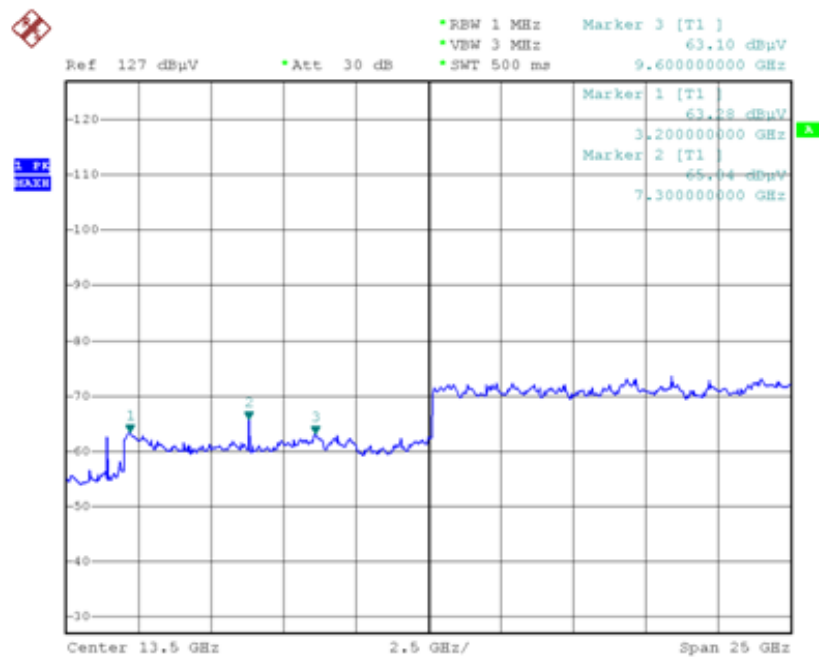


Test Item	RF Antenna Conducted Spurious
Test Mode	Mode 3: Transmit by 802.11n (20MHz) (An0)
Test Date	2010-09-20

Channel 01 (2412MHz)

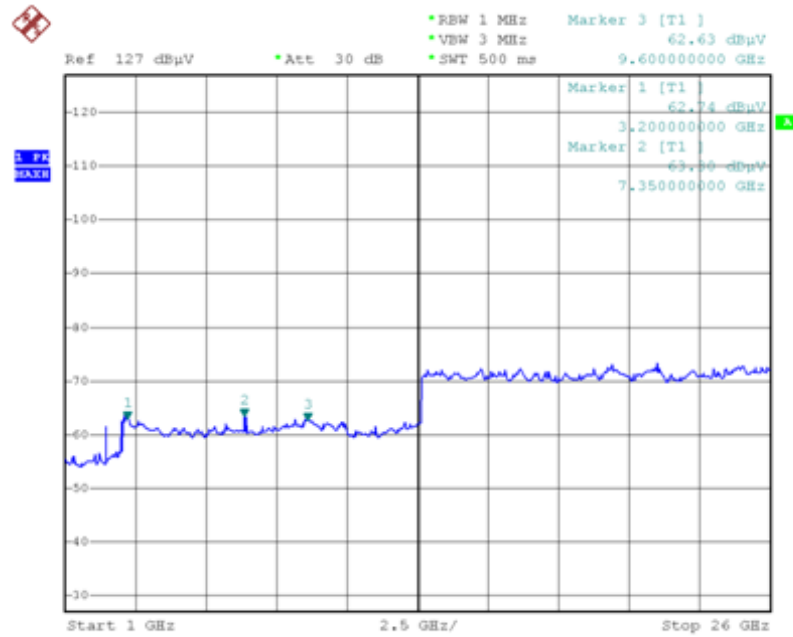


Channel 06 (2437MHz)





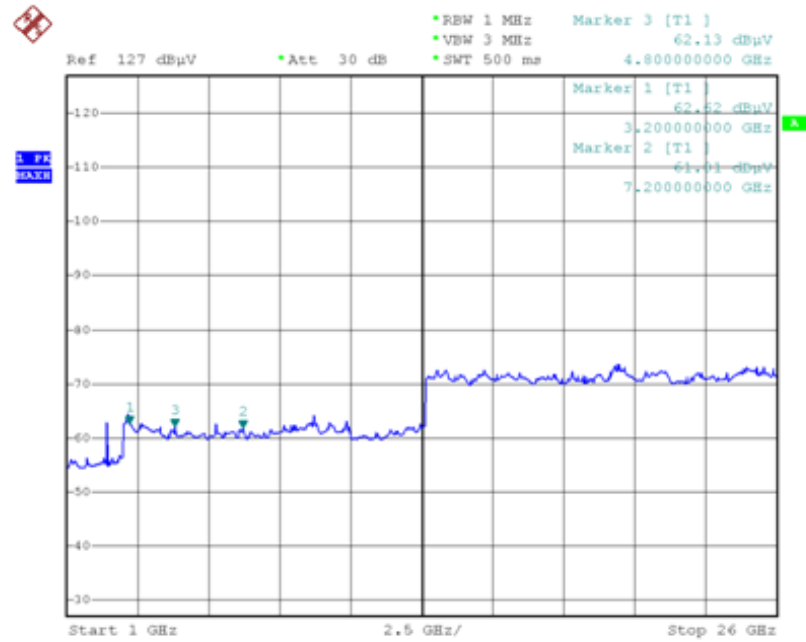
Channel 11 (2462MHz)



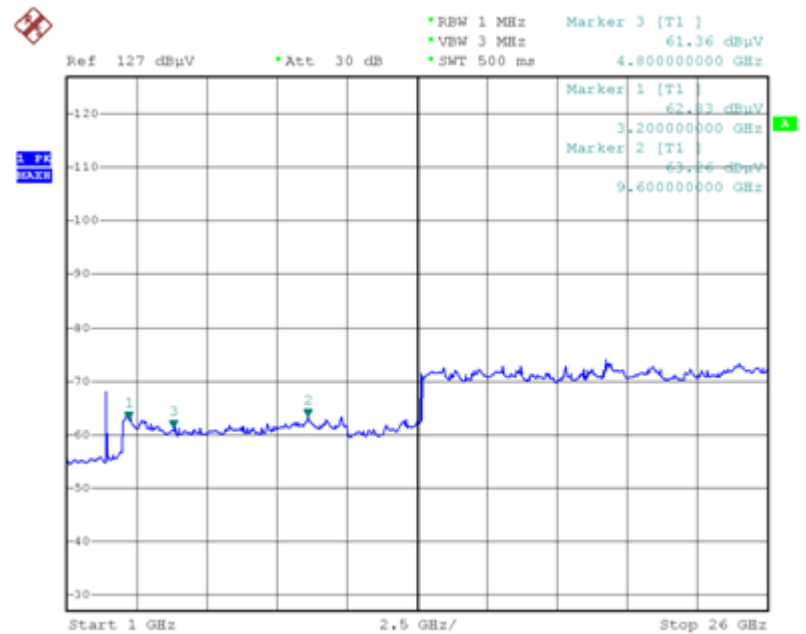


Test Item	RF Antenna Conducted Spurious
Test Mode	Mode 3: Transmit by 802.11n (20MHz) (An1)
Test Date	2010-09-20

Channel 01 (2412MHz)

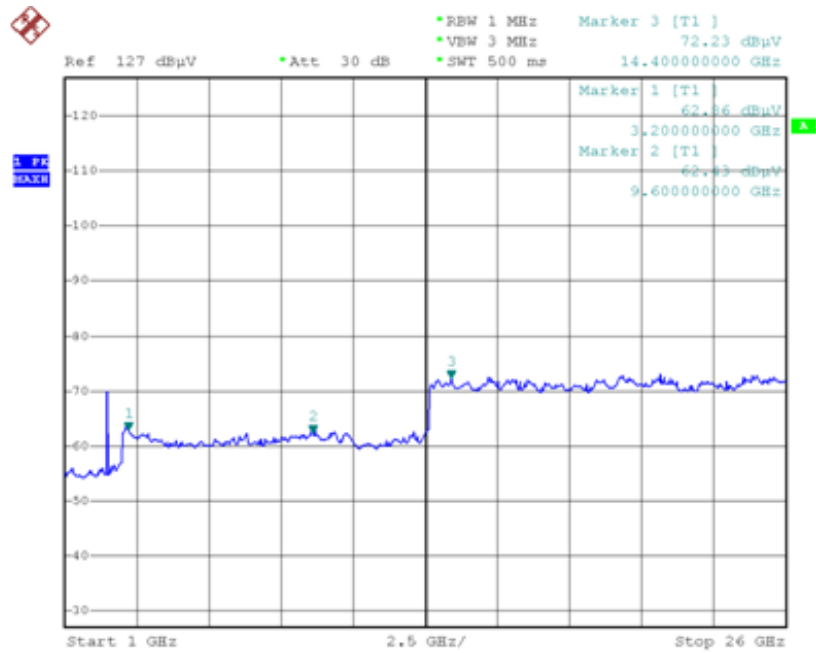


Channel 06 (2437MHz)





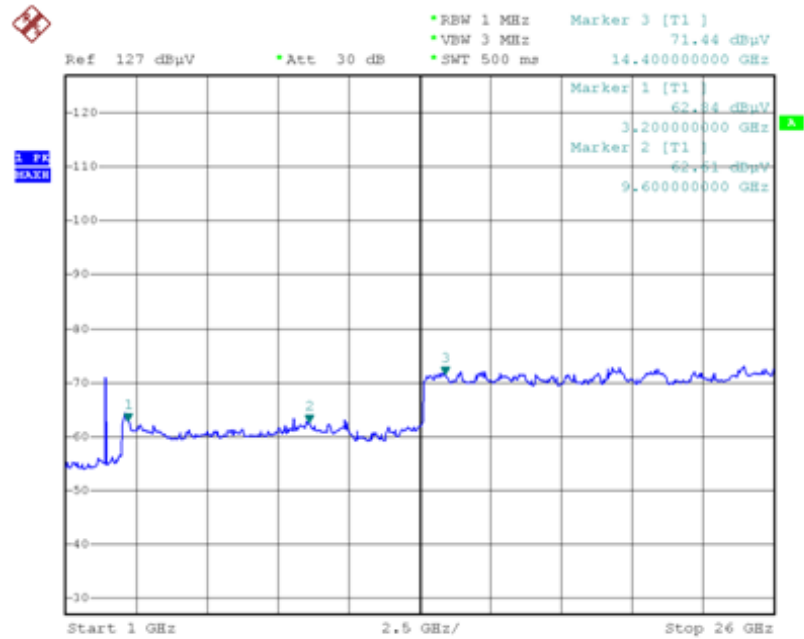
Channel 11 (2462MHz)



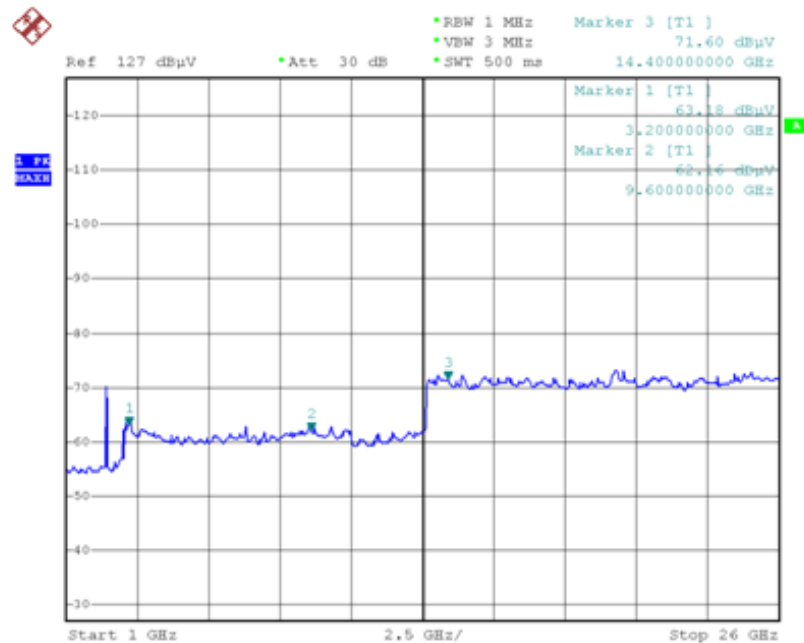


Test Item	RF Antenna Conducted Spurious
Test Mode	Mode 4: Transmit by 802.11n (40MHz) (An0)
Test Date	2010-09-20

Channel 03 (2422MHz)

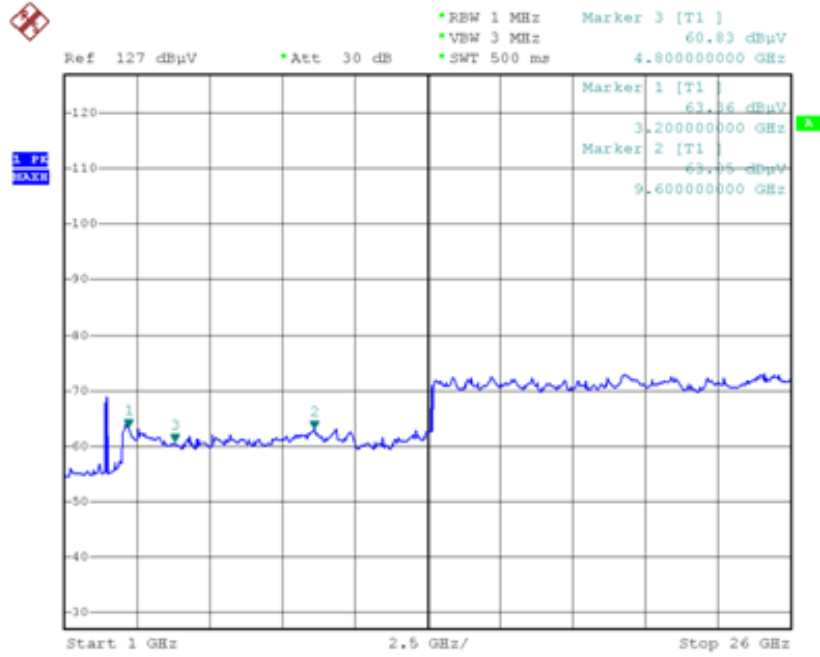


Channel 06 (2437MHz)





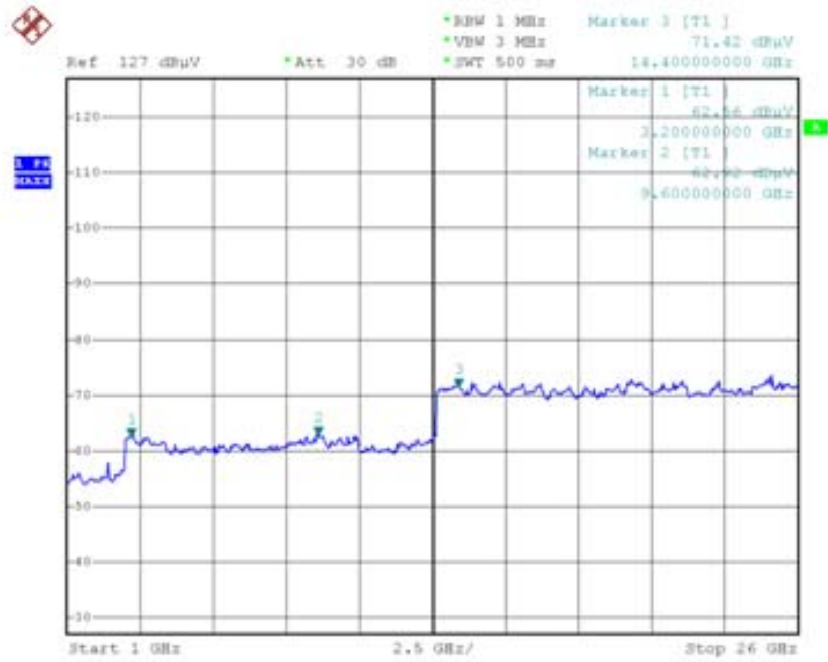
Channel 09 (2452MHz)



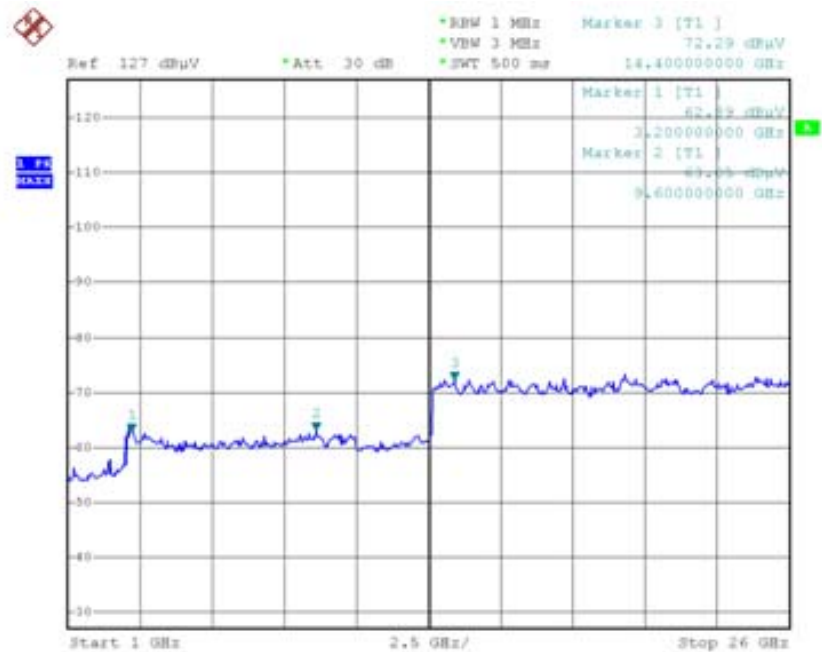


Test Item	RF Antenna Conducted Spurious
Test Mode	Mode 4: Transmit by 802.11n (40MHz) (An1)
Test Date	2010-09-20

Channel 03 (2422MHz)

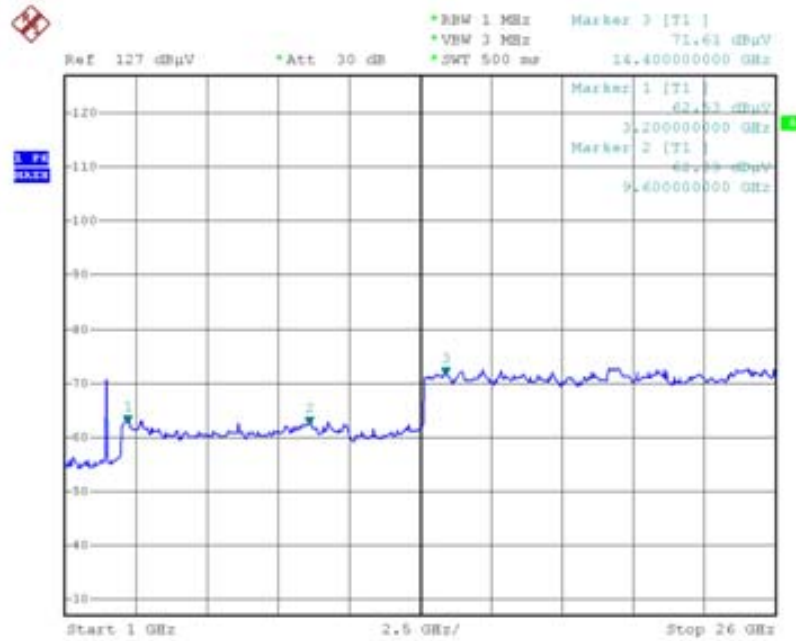


Channel 06 (2437MHz)





Channel 09 (2452MHz)





9. Power Spectral Density

9.1. Test Limit

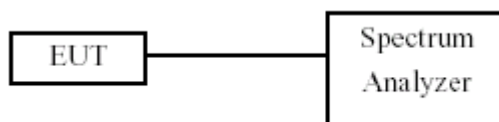
For digitally modulated systems, the power spectral density conducted from the intentional radiated to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

9.2. 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 RBW, Sweep time=Auto, Set detector=Peak detector.

9.3. Test Setup Layout



9.4. Measurement Equipment

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

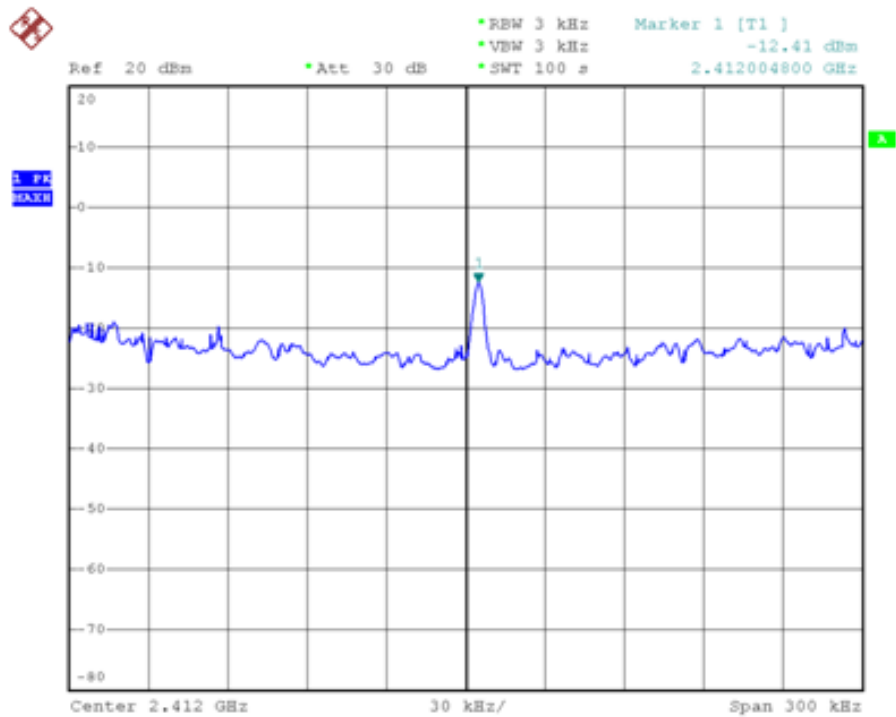


9.5. Test Result and Data

Test Item	Power Spectral Density
Test Mode	Mode 1: Transmit by 802.11b (An0)
Test Date	2010-09-20

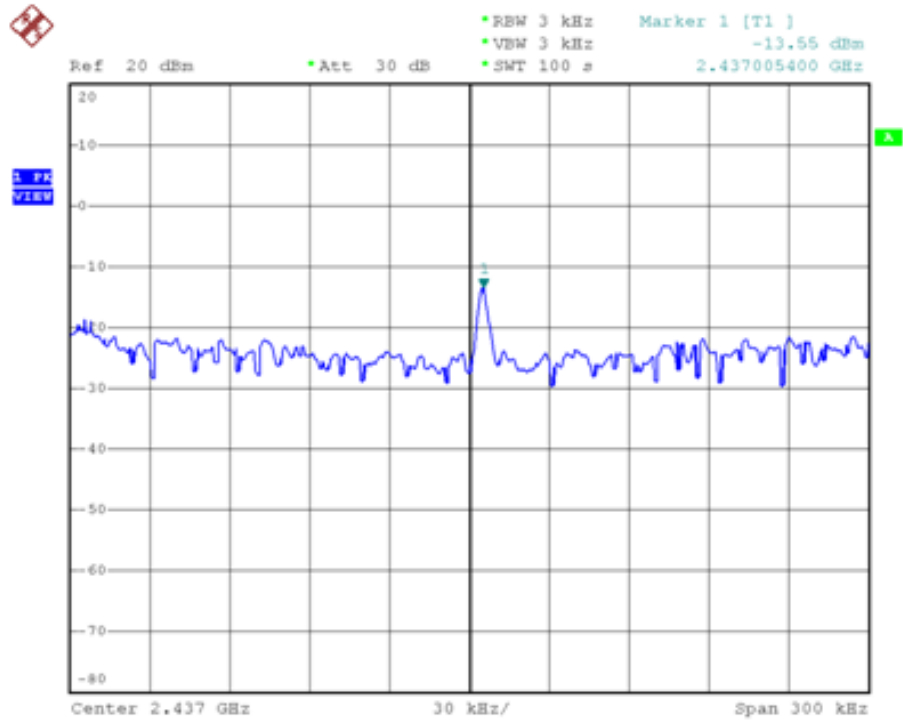
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-12.41	8	Pass
06	2437	-13.55	8	Pass
11	2462	-13.24	8	Pass

Channel 01 (2412MHz)

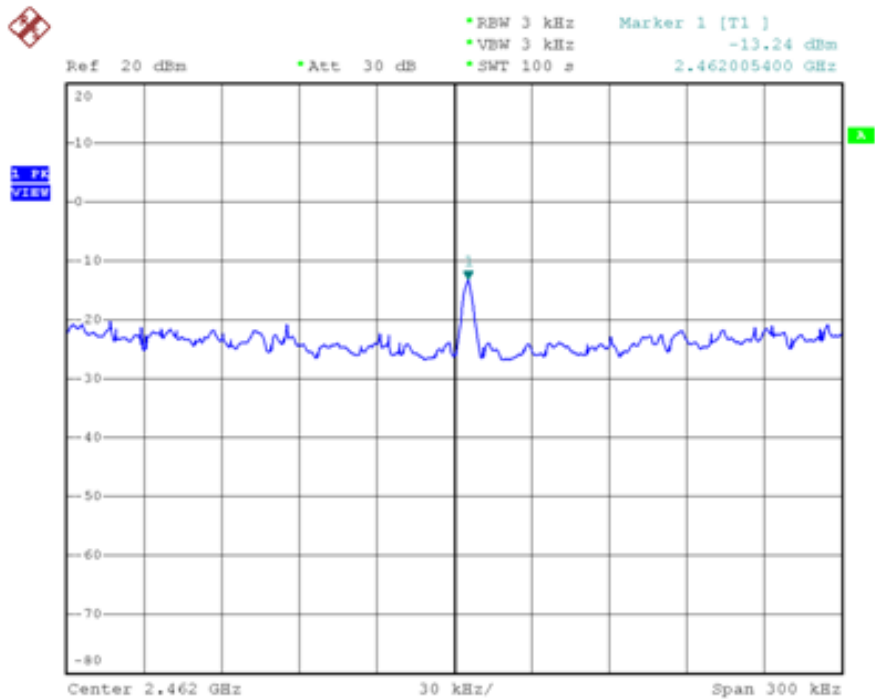




Channel 06 (2437MHz)



Channel 11 (2462MHz)

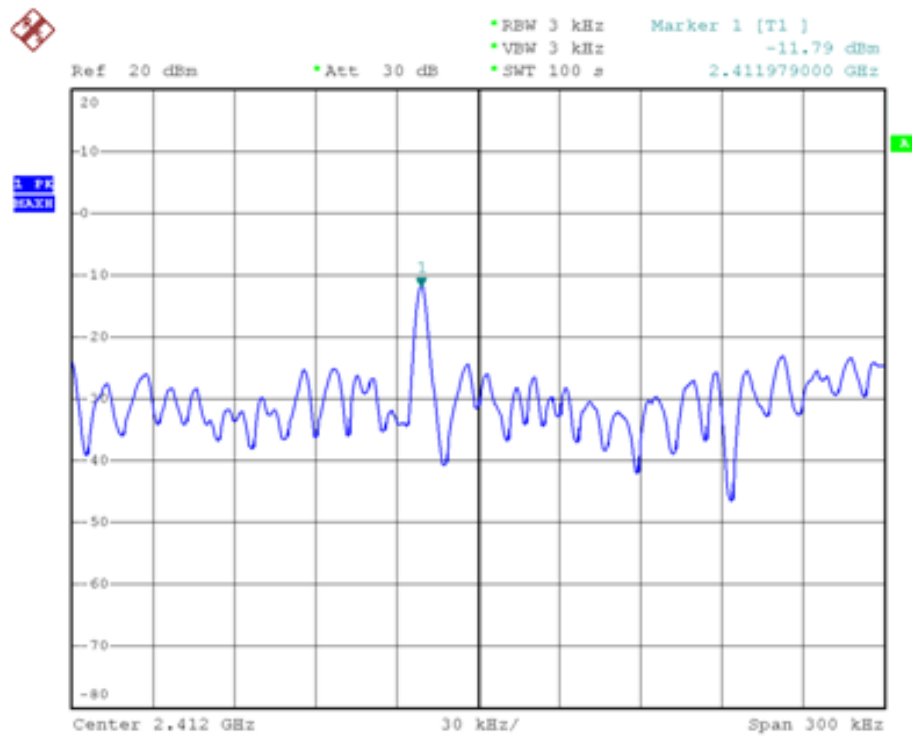




Test Item	Power Spectral Density
Test Mode	Mode 2: Transmit by 802.11g (An0)
Test Date	2010-09-20

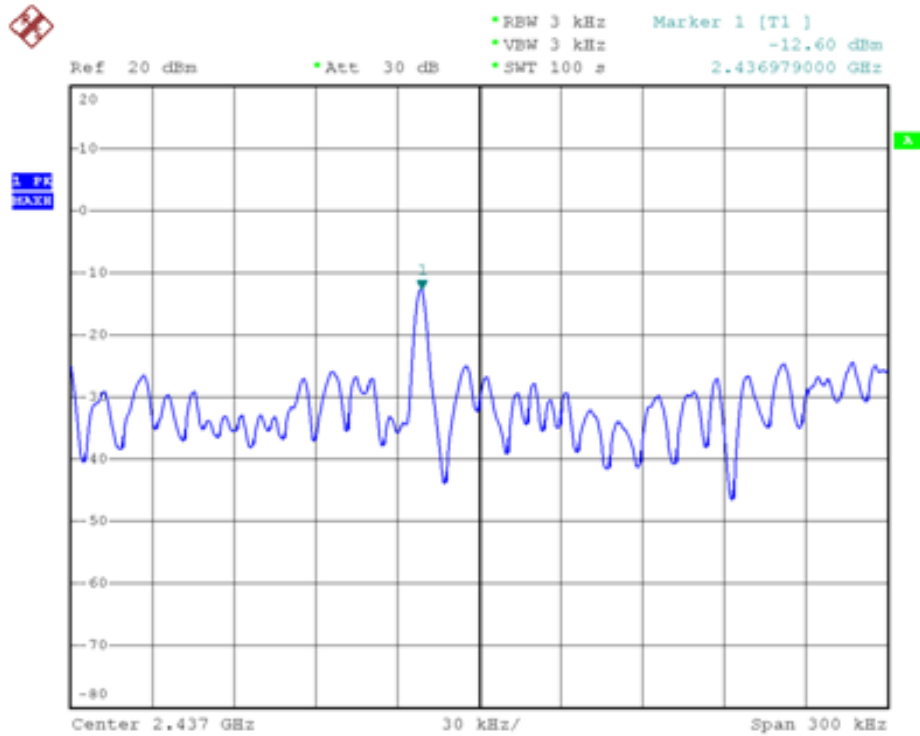
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-11.79	8	Pass
06	2437	-12.60	8	Pass
11	2462	-12.43	8	Pass

Channel 01 (2412MHz)

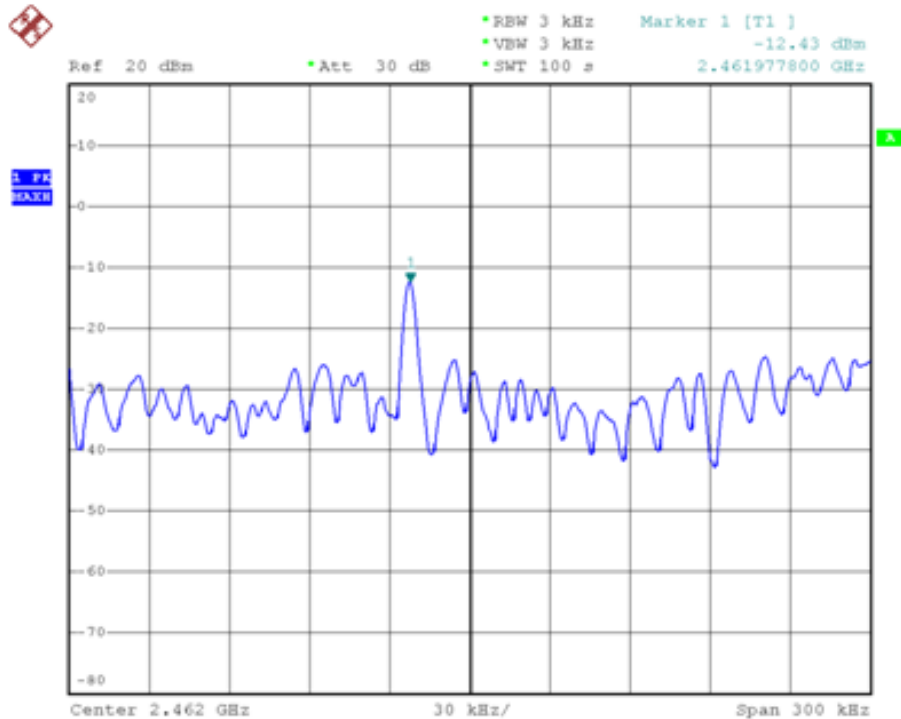




Channel 06 (2437MHz)



Channel 11 (2462MHz)

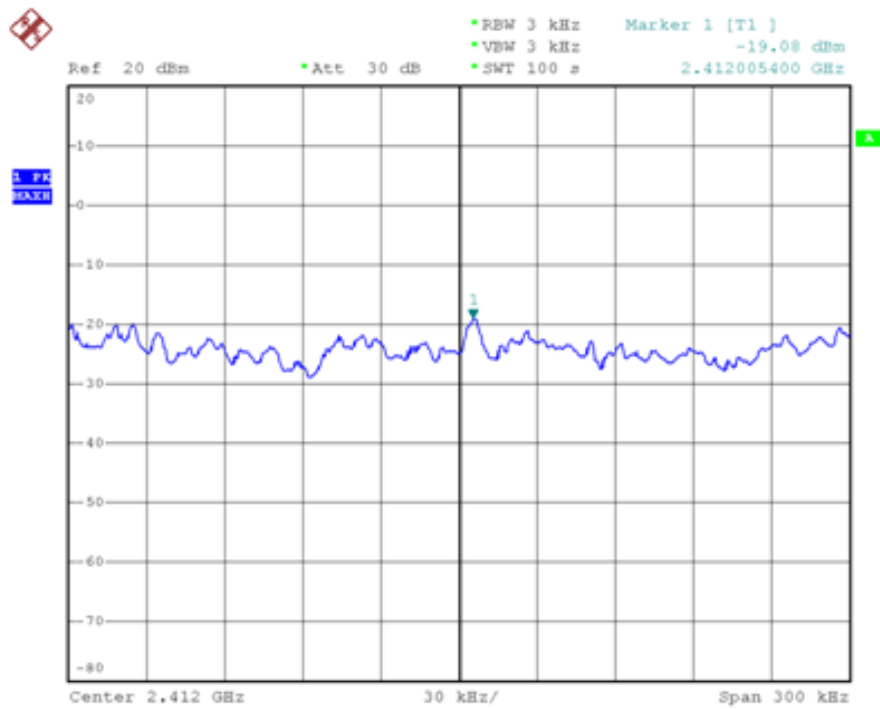




Test Item	Power Spectral Density
Test Mode	Mode 3: Transmit by 802.11n (20MHz) (An0)
Test Date	2010-09-20

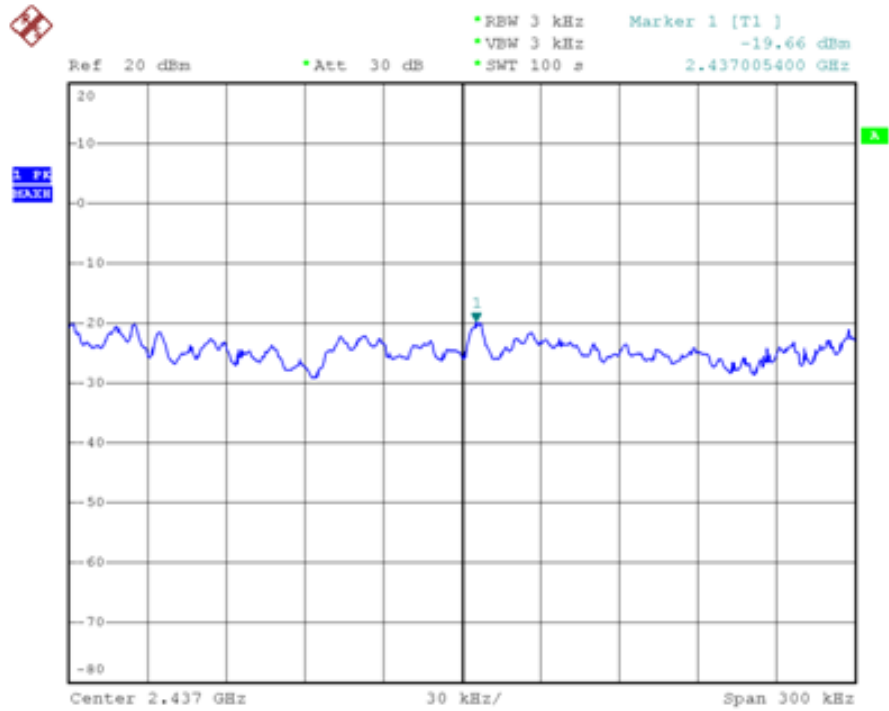
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-19.08	8	Pass
06	2437	-19.66	8	Pass
11	2462	-19.80	8	Pass

Channel 01 (2412MHz)

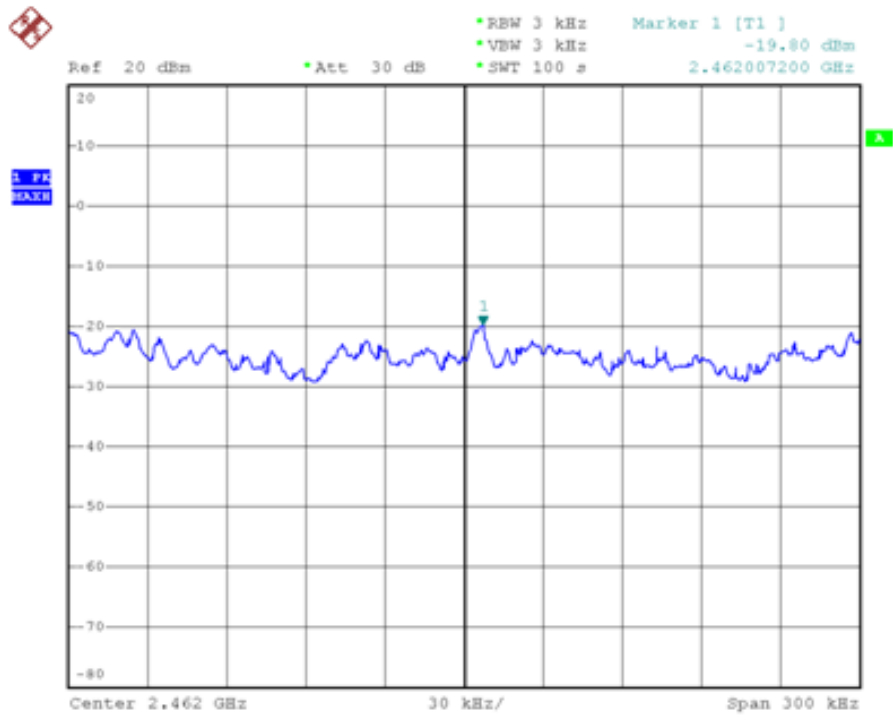




Channel 06 (2437MHz)



Channel 11 (2462MHz)

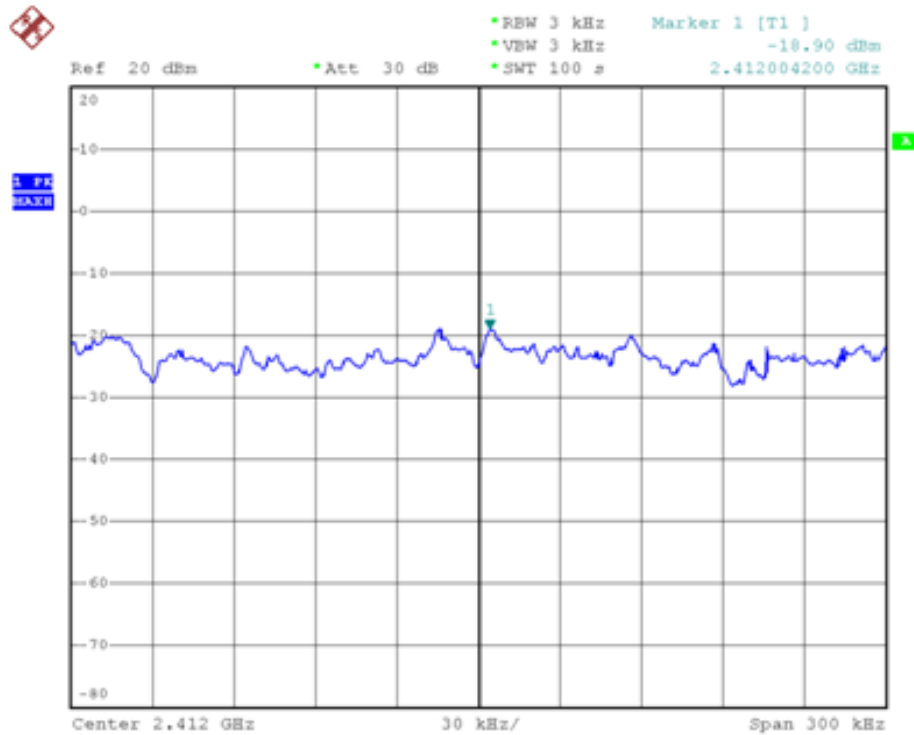




Test Item	Power Spectral Density
Test Mode	Mode 3: Transmit by 802.11n (20MHz) (An1)
Test Date	2010-09-20

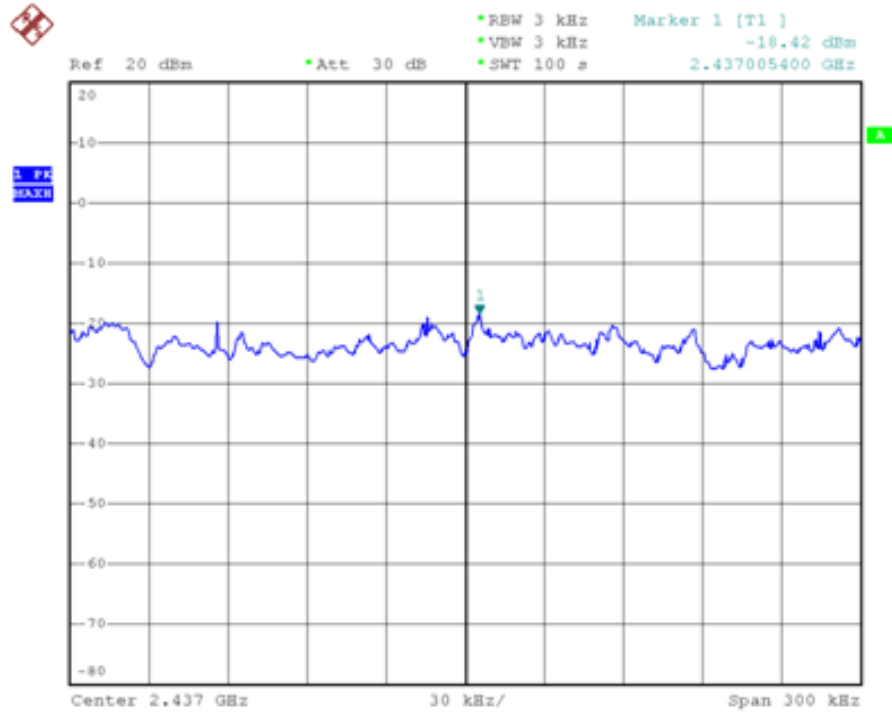
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-18.90	8	Pass
06	2437	-18.42	8	Pass
11	2462	-19.09	8	Pass

Channel 01 (2412MHz)

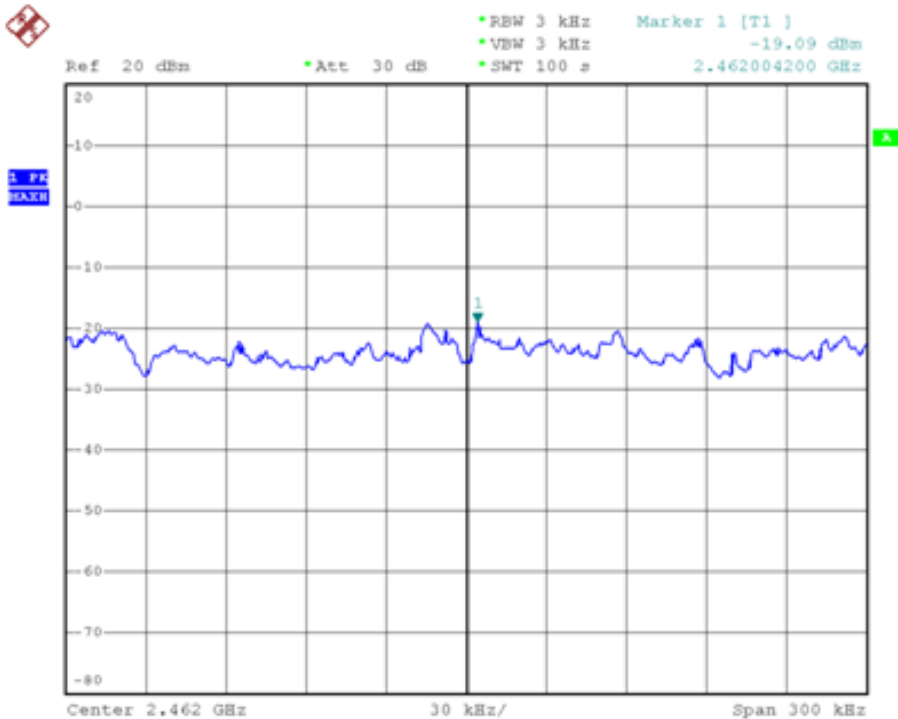




Channel 06 (2437MHz)



Channel 11 (2462MHz)

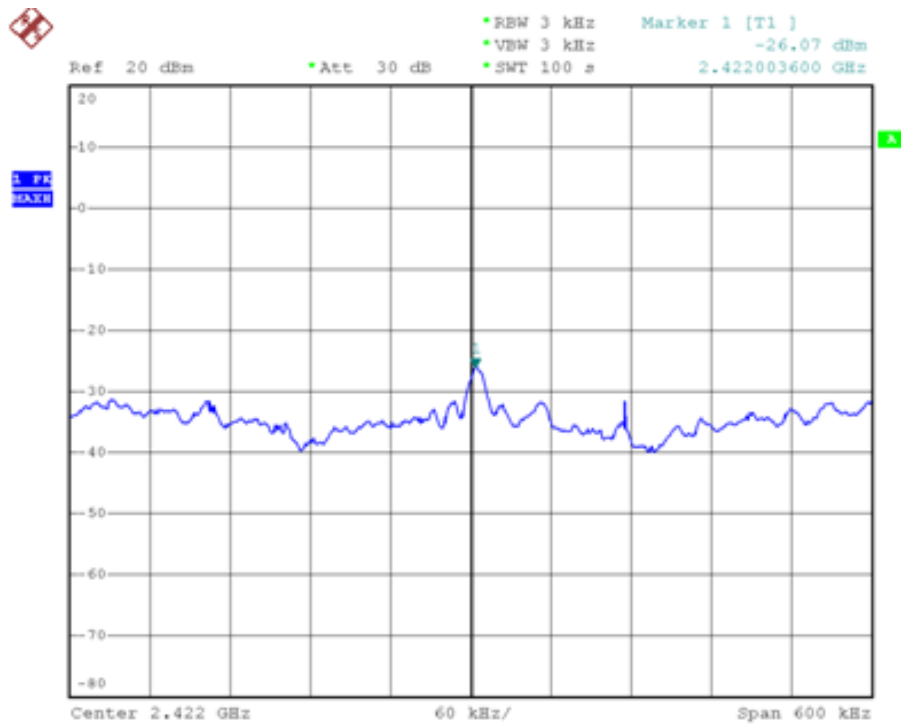




Test Item	Power Spectral Density
Test Mode	Mode 4: Transmit by 802.11n (40MHz) (An0)
Test Date	2010-09-20

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
03	2422	-26.07	8	Pass
06	2437	-27.30	8	Pass
09	2452	-27.19	8	Pass

Channel 03 (2422MHz)

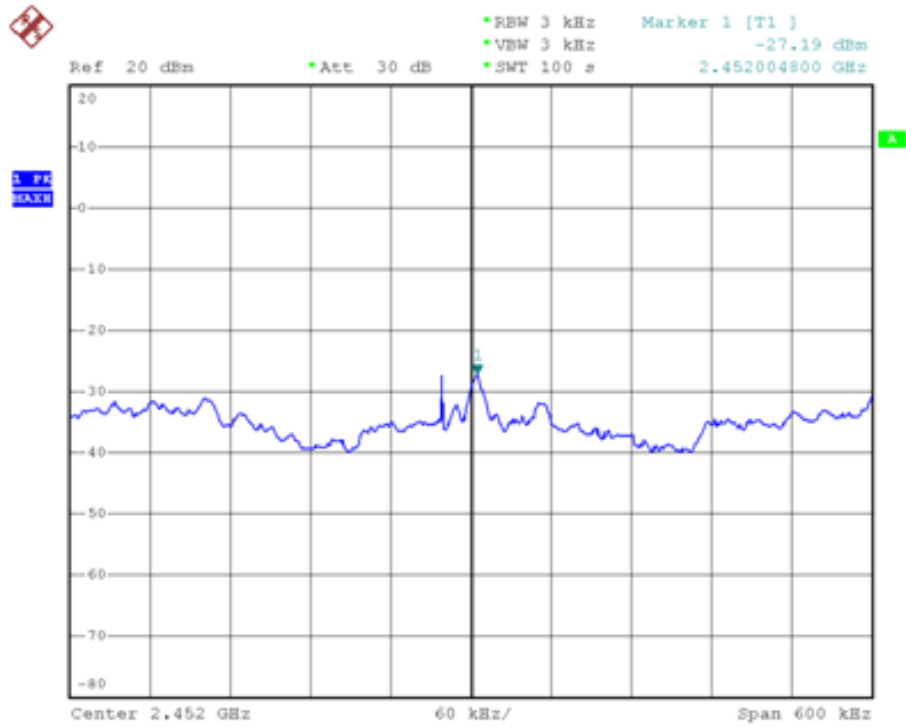




Channel 06 (2437MHz)



Channel 09 (2452MHz)

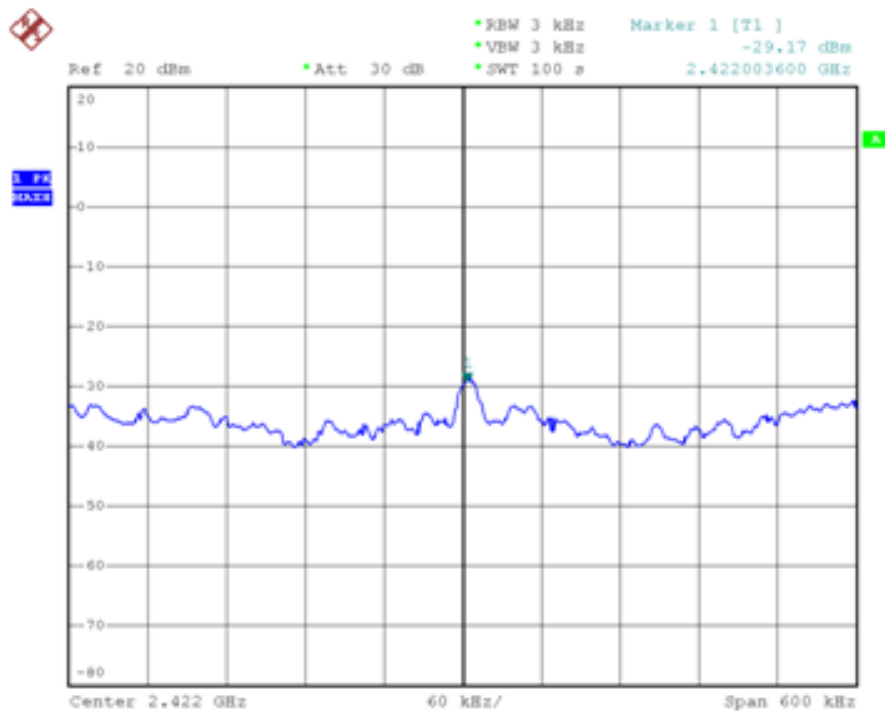




Test Item	Power Spectral Density
Test Mode	Mode 4: Transmit by 802.11n (40MHz) (An1)
Test Date	2010-09-20

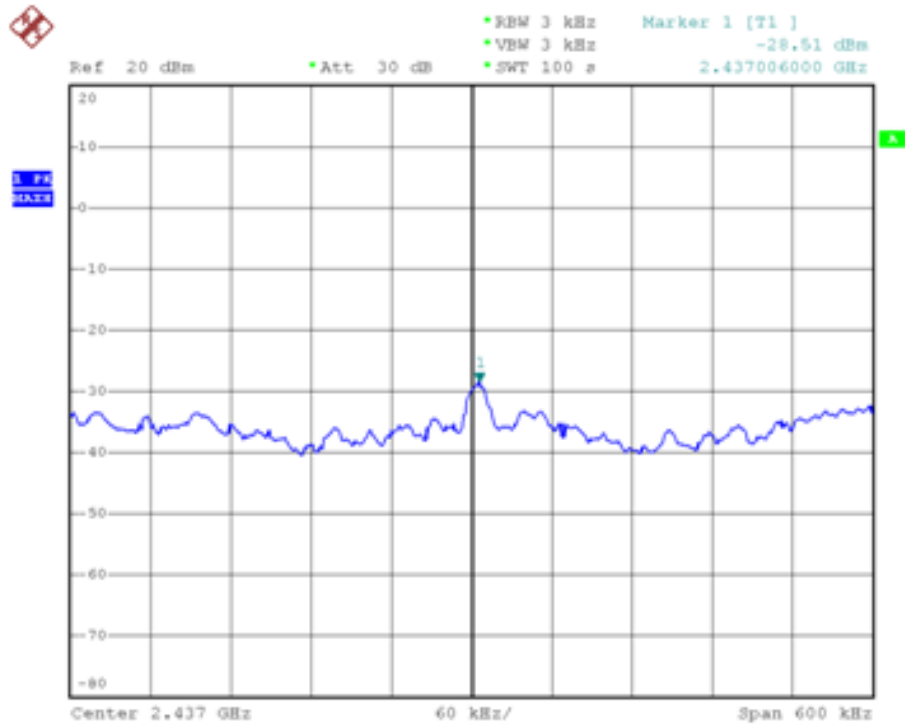
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
03	2422	-29.17	8	Pass
06	2437	-28.51	8	Pass
09	2452	-29.89	8	Pass

Channel 03 (2422MHz)





Channel 06 (2437MHz)



Channel 09 (2452MHz)

