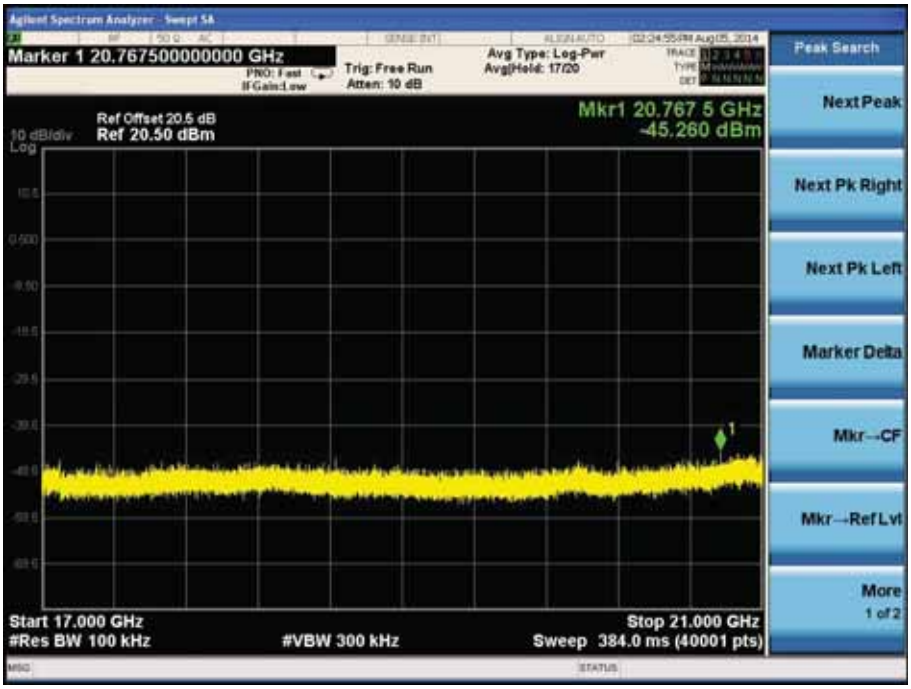
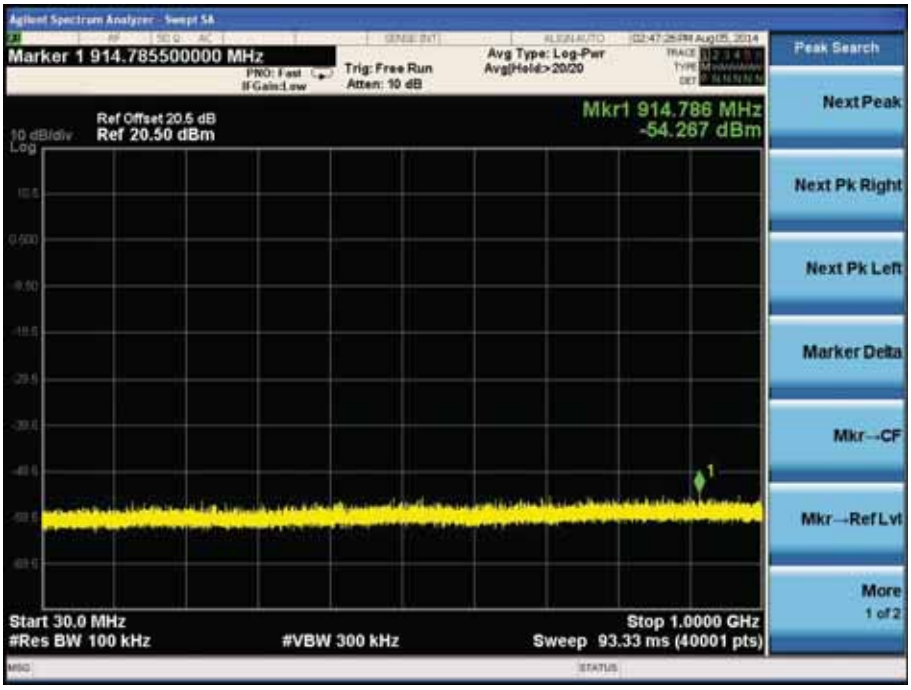
Channel 03 (2422MHz)-5

Channel 03 (2422MHz)-6

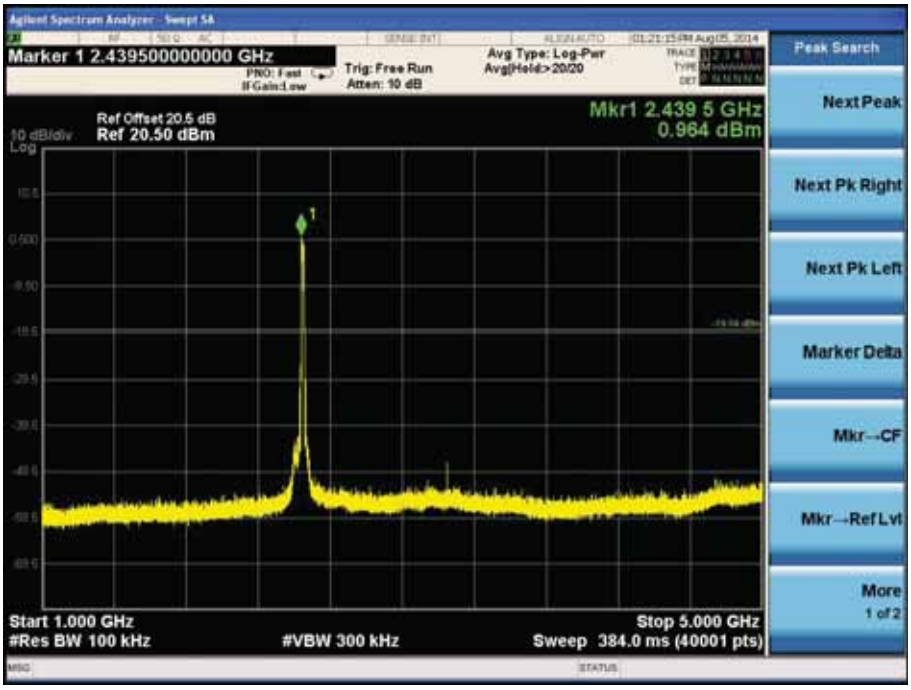


Channel 03 (2422MHz)-7

Channel 06 (2437MHz)-1

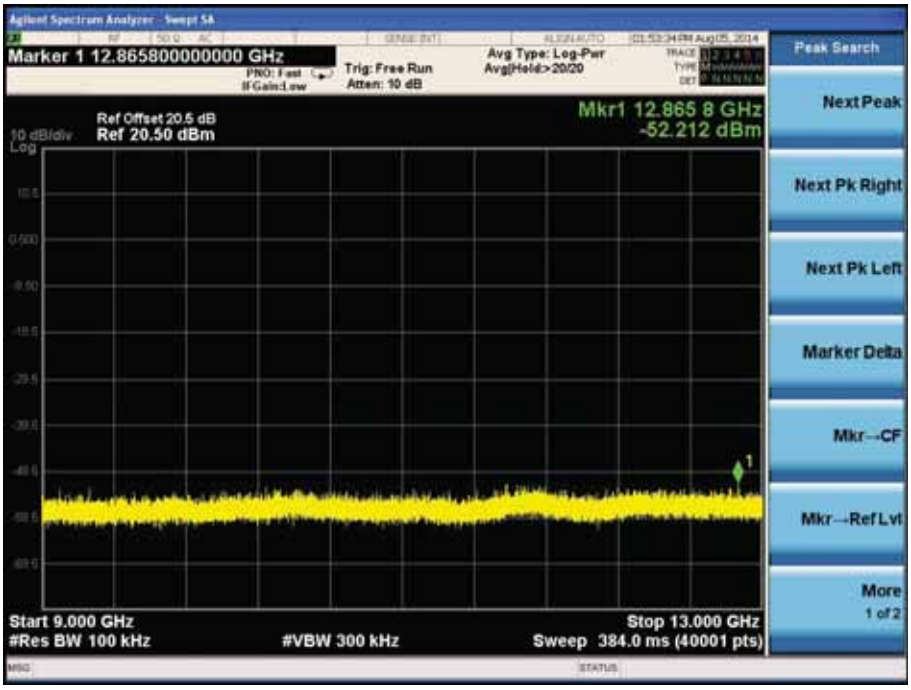


Channel 06 (2437MHz)-2



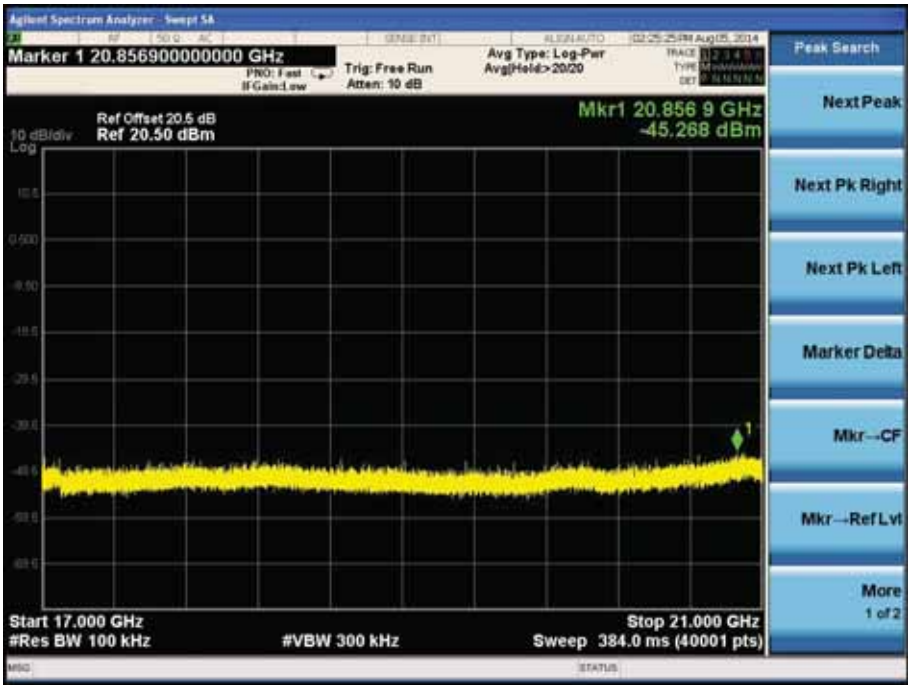
Channel 06 (2437MHz)-3

Channel 06 (2437MHz)-4

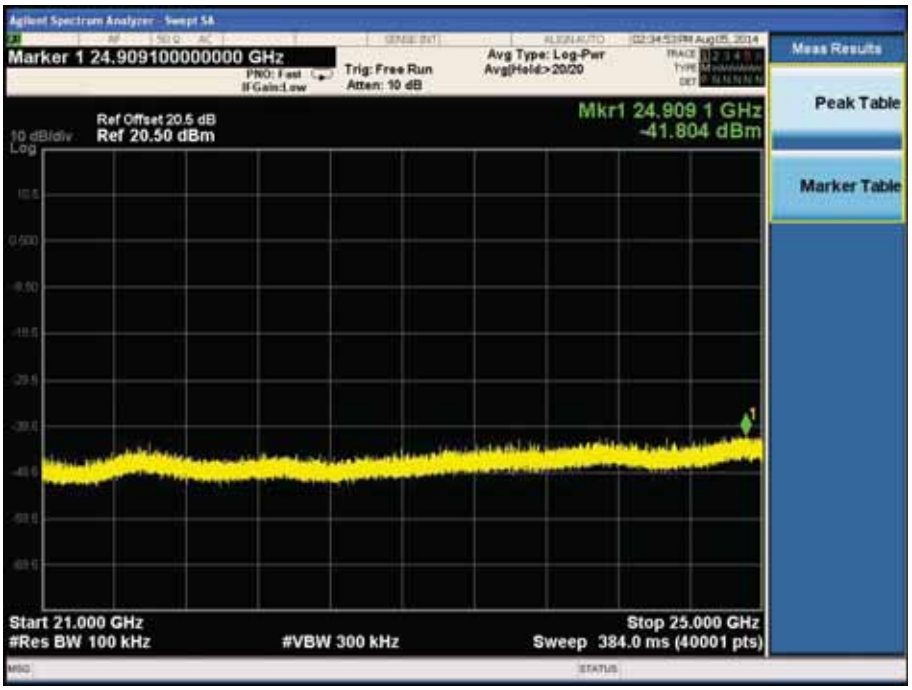


Channel 06 (2437MHz)-5

Channel 06 (2437MHz)-6

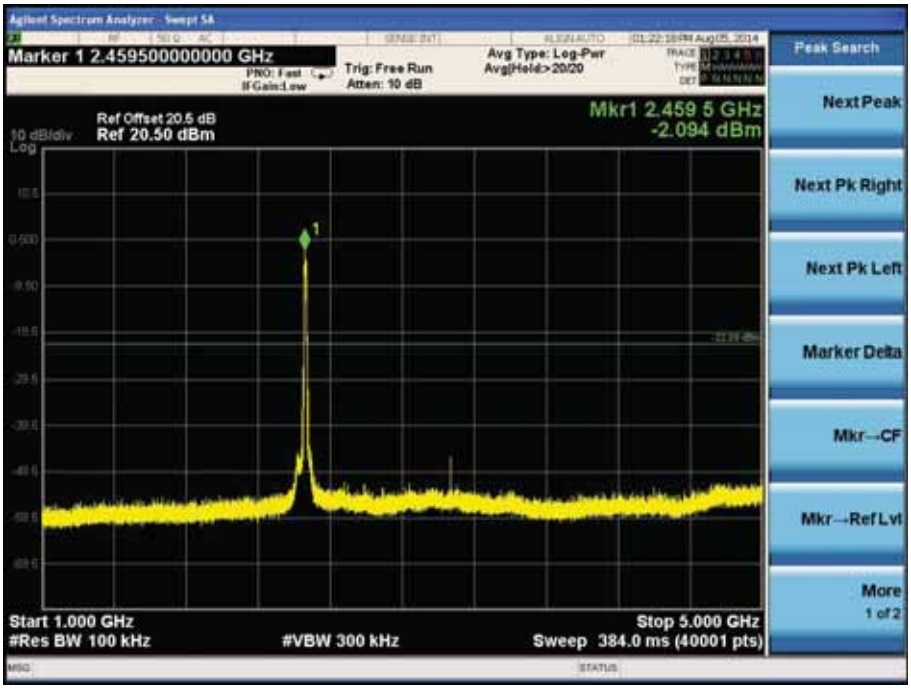


Channel 06 (2437MHz)-7

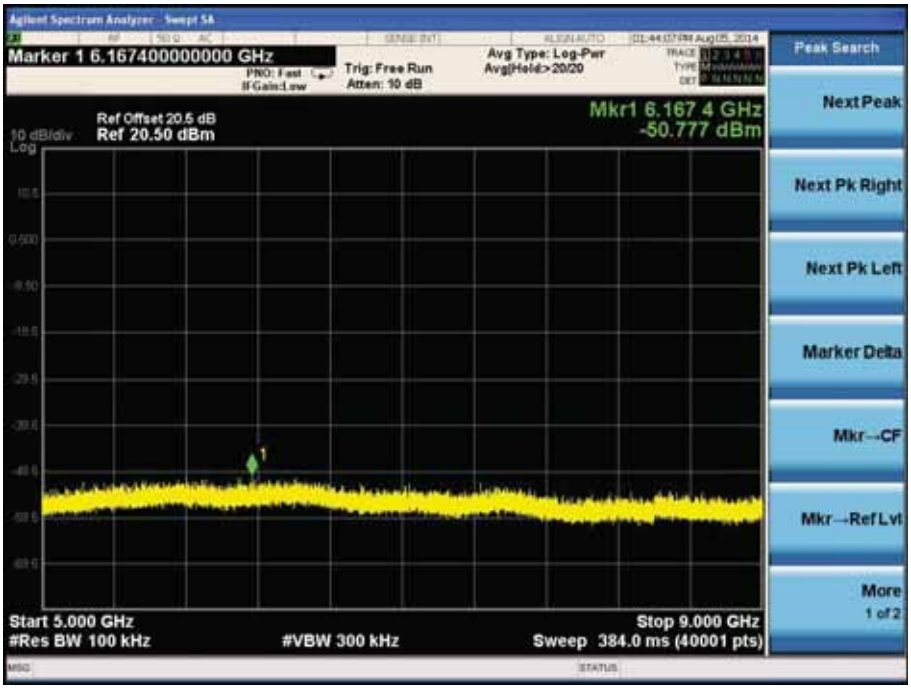


Channel 09 (2452MHz)-1

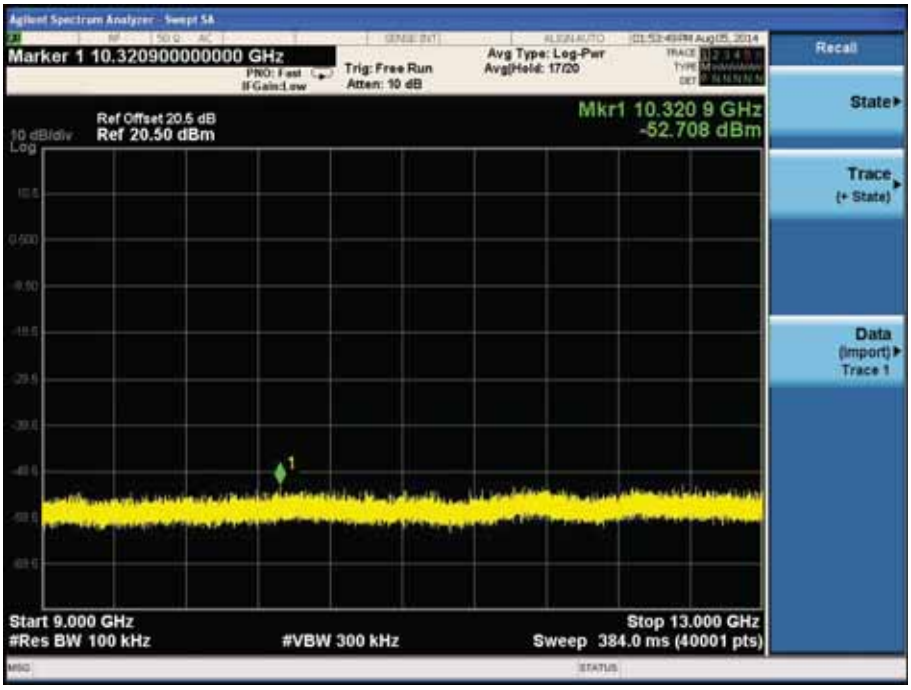
Channel 09 (2452MHz)-2



Channel 09 (2452MHz)-3

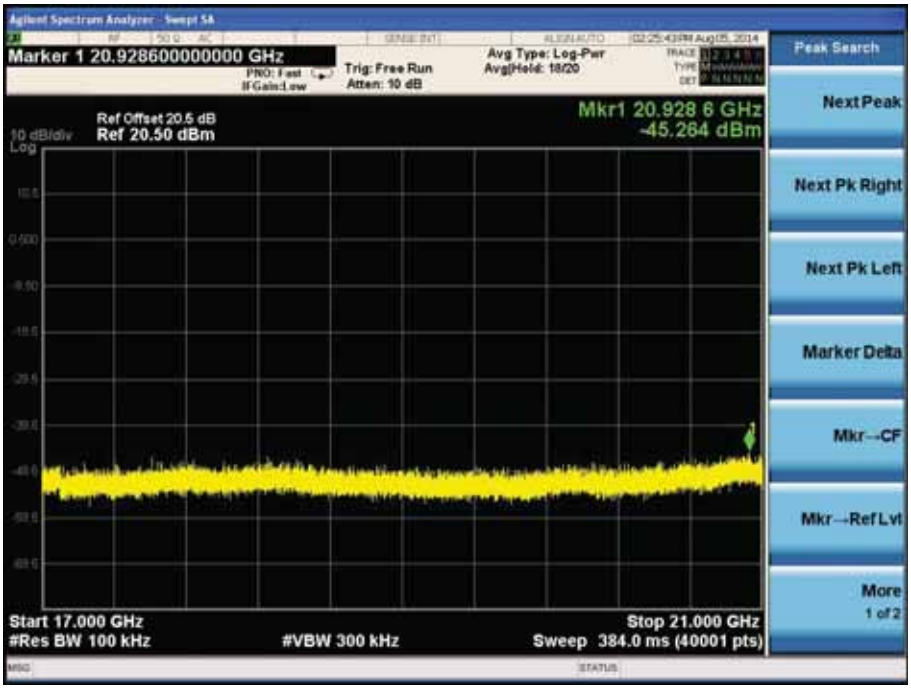


Channel 09 (2452MHz)-4



Channel 09 (2452MHz)-5

Channel 09 (2452MHz)-6



Channel 09 (2452MHz)-7

6. Radiated Emission Band Edge

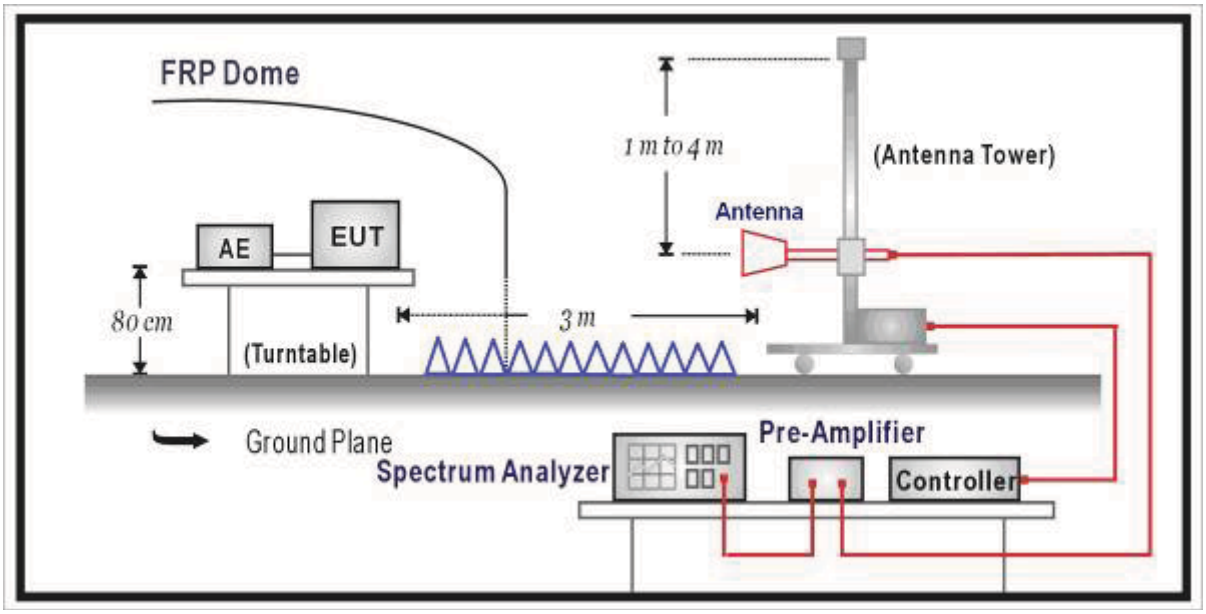
6.1. Test Equipment

☒Radiated Emission Band Edge / AC-5

Instrument	Manufacturer	Type No.	Serial No.	Cali. Due Date
Spectrum Analyzer	Agilent	N9020A	MY49100159	2015.03.28
Preamplifier	Miteq	NSP1800-25	1364185	2015.01.07
Preamplifier	QuieTek	AP-040G	CHM-0906001	2015.05.03
Bilog Antenna	Teseq GmbH	CBL6112D	27612	2015.05.03
DRG Horn	ETS-Lindgren	3117	00123988	2015.01.07
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2016.04.10
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2015.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	AC5-C3	2015.03.01
EMI Receiver	Agilent	N9038A	MY51210196	2015.03.01
Temperature/Humidity Meter	Zhichen	ZC1-2	AC5-TH	2015.06.09

Note 1: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

6.2. Test Setup



6.3. Limit

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)).

6.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2009 and tested according to KDB 558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4: 2009 on radiated measurement.

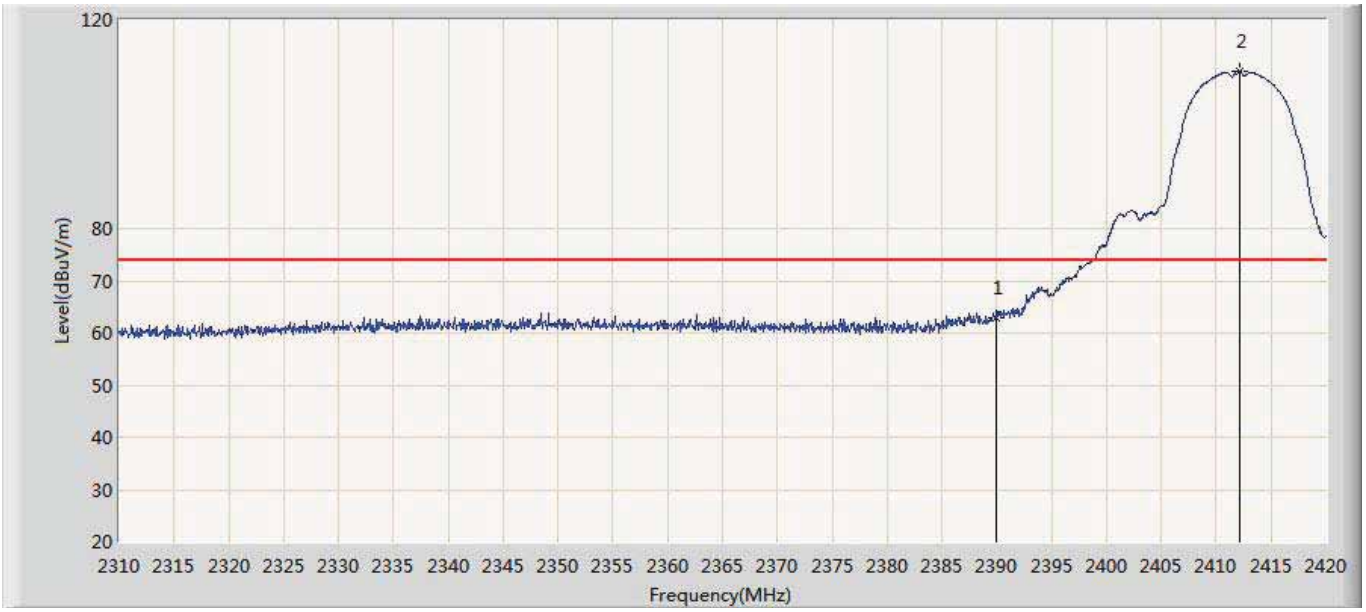
6.5. Uncertainty

The measurement uncertainty above 1G is defined as ± 3.9 dB

6.6. Test Result

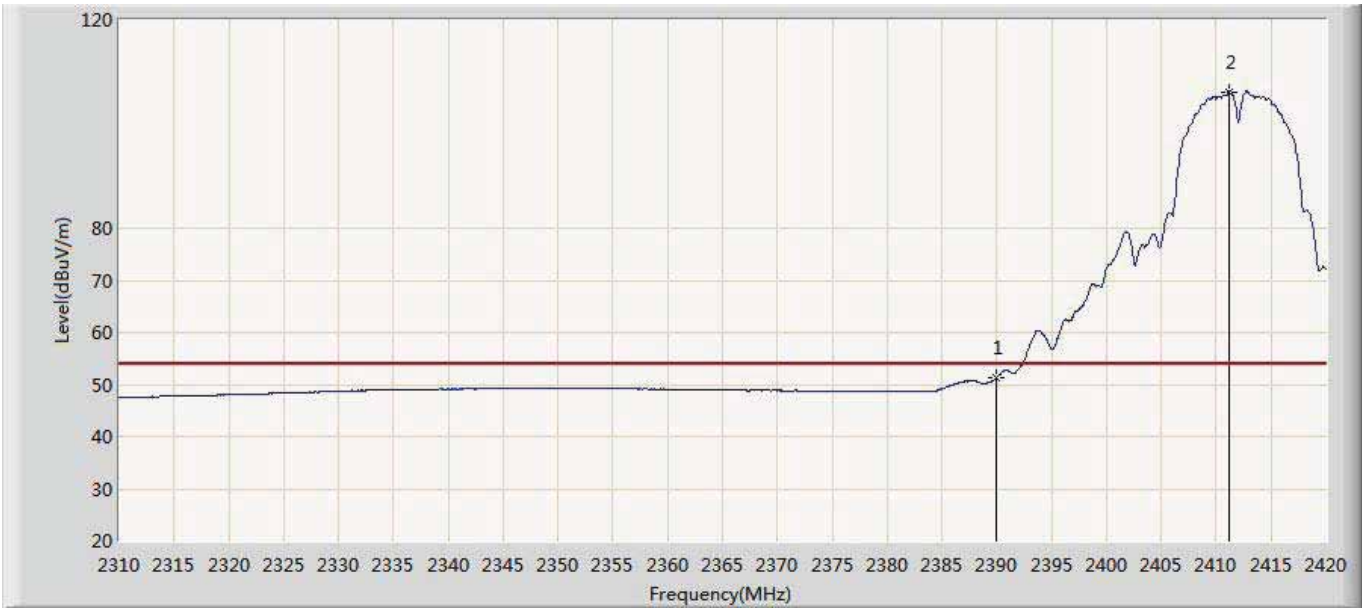
All of the test result shown indicates the worst case, and spectrum analyzer parameters setting as shown below:
Peak detector: RBW = 1MHz, VBW = 3MHz, sweep time = 200ms;
Average detector: RMS detector RBW = 1MHz, VBW = 3MHz, sweep time = auto.
Measure Level = Reading Level + Cable Loss + Antenna Factor - Preamplifier Gain
In case the emission is fail due to the used RB/VB is too wide, marker-delta method of FCC Public Notice will be followed.

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 09:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 2412MHz by 802.11b Ant1	



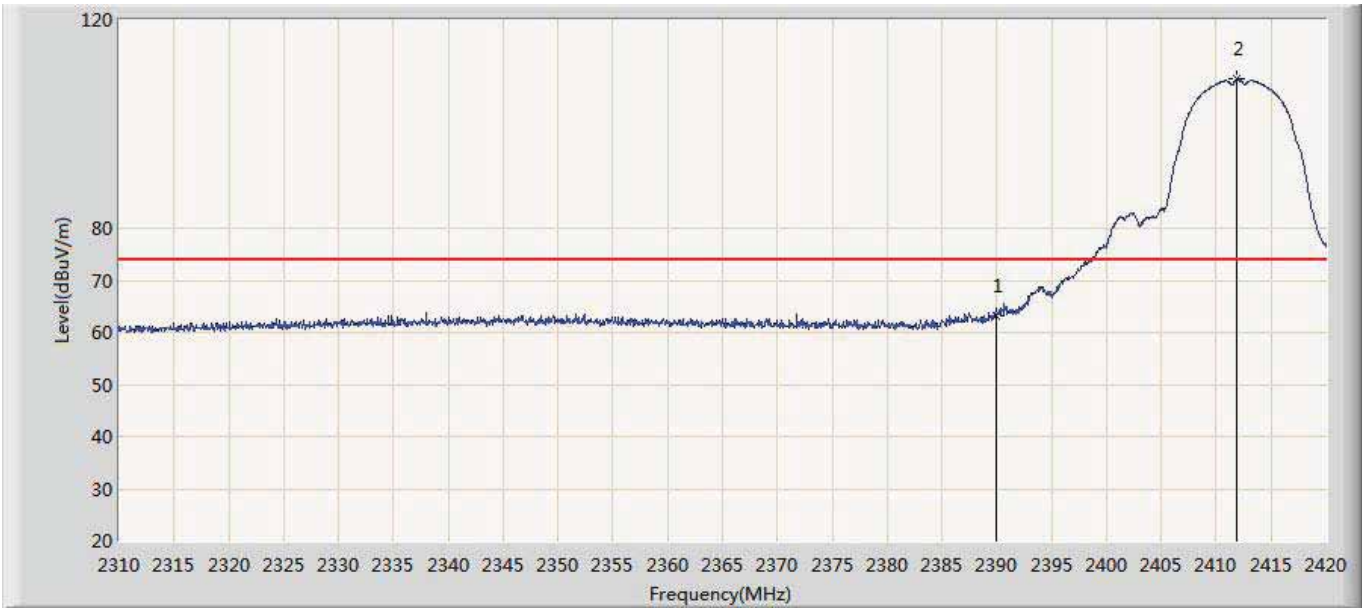
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	63.013	24.760	-10.987	74.000	38.253	PK
2	*	2412.080	110.268	71.817	N/A	N/A	38.451	PK

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 09:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 2412MHz by 802.11b Ant 1	



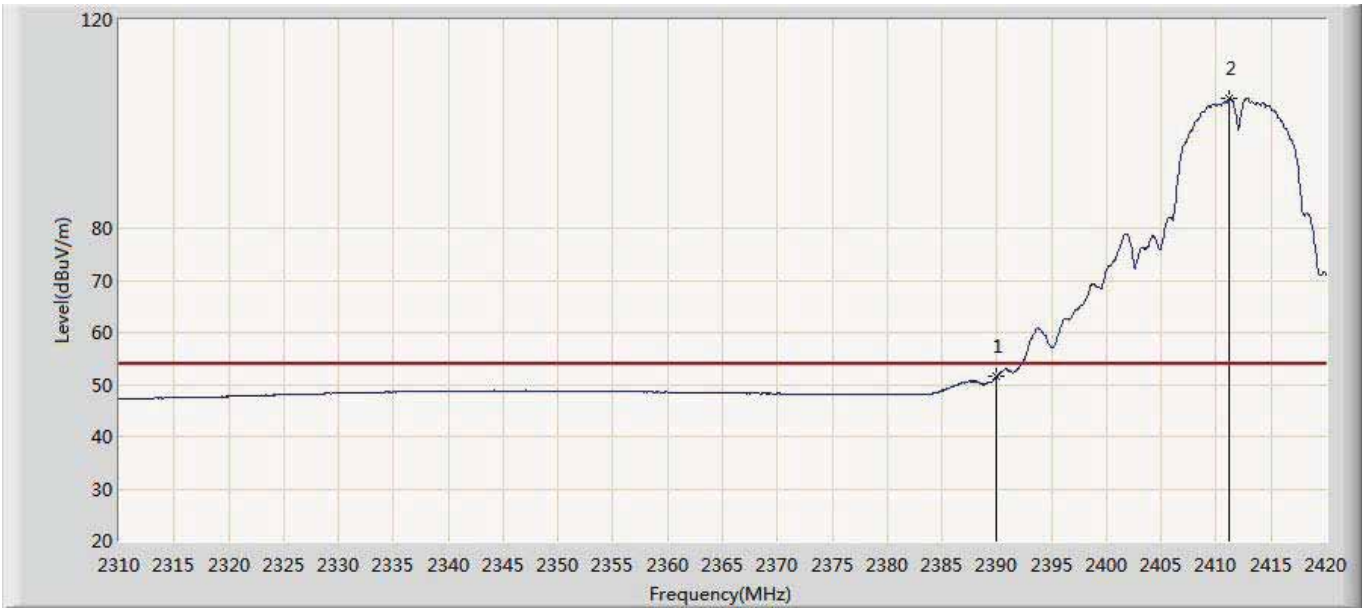
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	51.367	13.114	-2.633	54.000	38.253	AV
2	*	2411.145	106.189	67.747	N/A	N/A	38.442	AV

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 09:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 2412MHz by 802.11b Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	63.329	25.736	-10.671	74.000	37.593	PK
2	*	2411.915	108.588	70.887	N/A	N/A	37.701	PK

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 09:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 2412MHz by 802.11b Ant 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	51.458	13.865	-2.542	54.000	37.593	AV
2	*	2411.200	104.861	67.163	N/A	N/A	37.698	AV

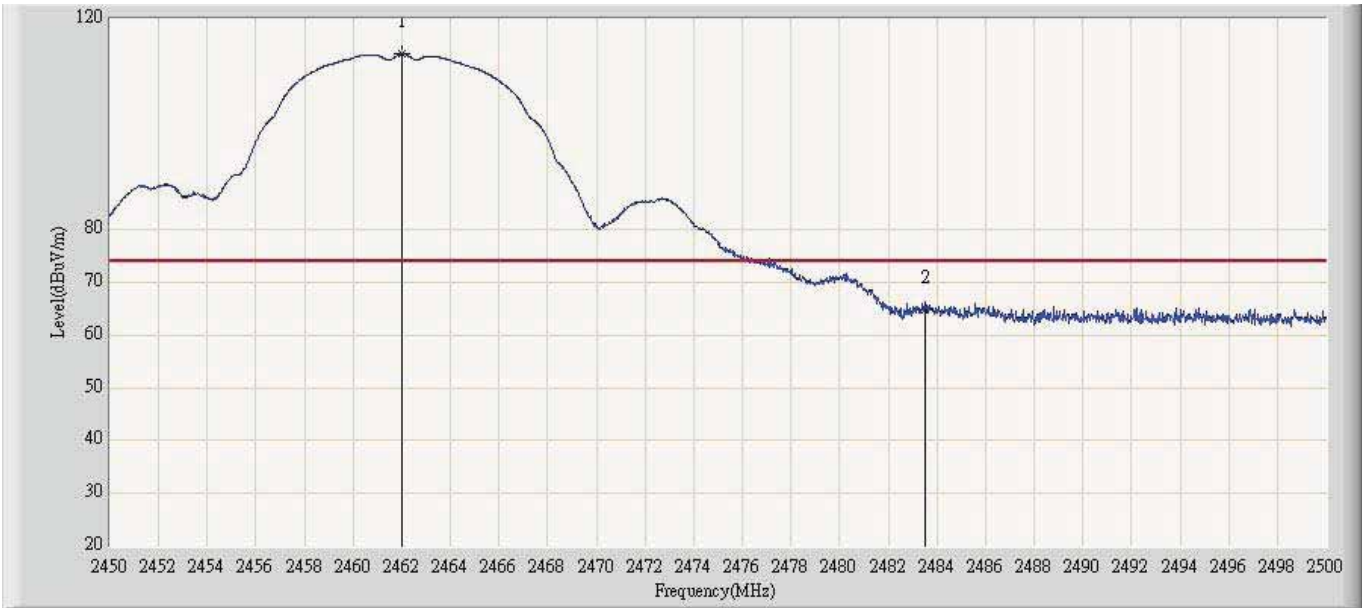
Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 10:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 2462MHz by 802.11b Ant 1	

No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2460.550	110.131	71.250	N/A	N/A	38.881	PK
2		2483.500	61.721	22.637	-12.279	74.000	39.084	PK

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 10:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 2462MHz by 802.11b Ant 1	

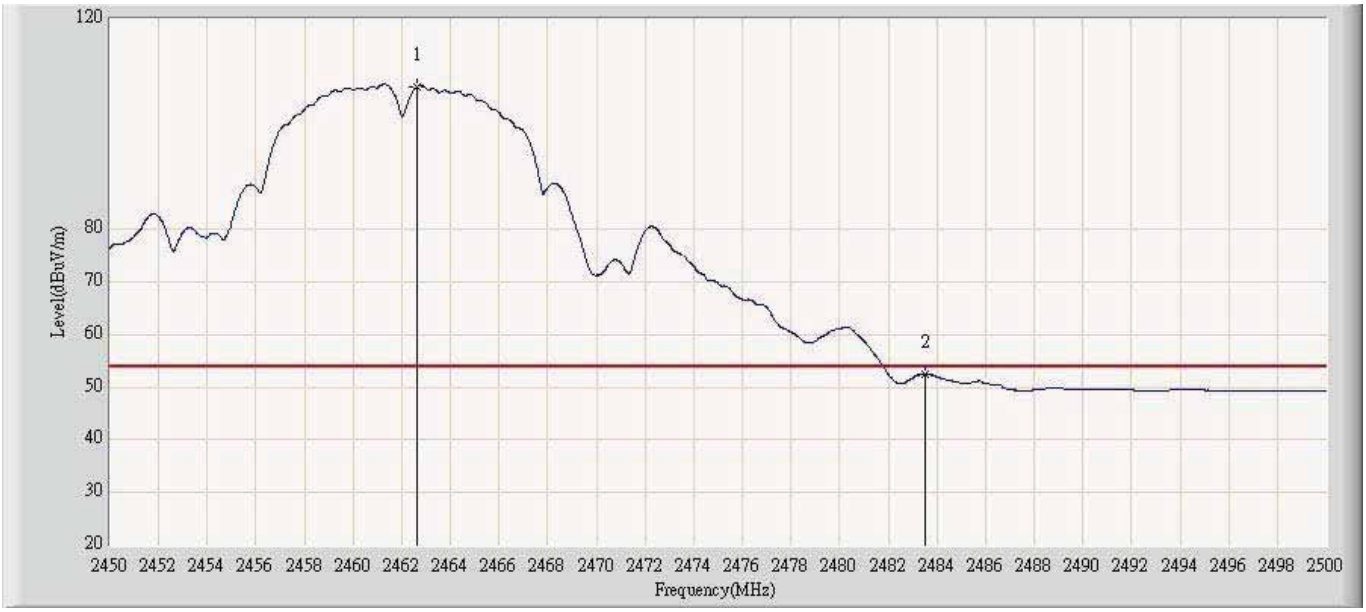
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.250	106.559	67.672	N/A	N/A	38.887	AV
2		2483.500	51.554	12.469	-2.446	54.000	39.084	AV

Engineer: Jack	
Site: AC5	Time: 2014/09/18 - 14:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 2462MHz by 802.11b Ant 1	



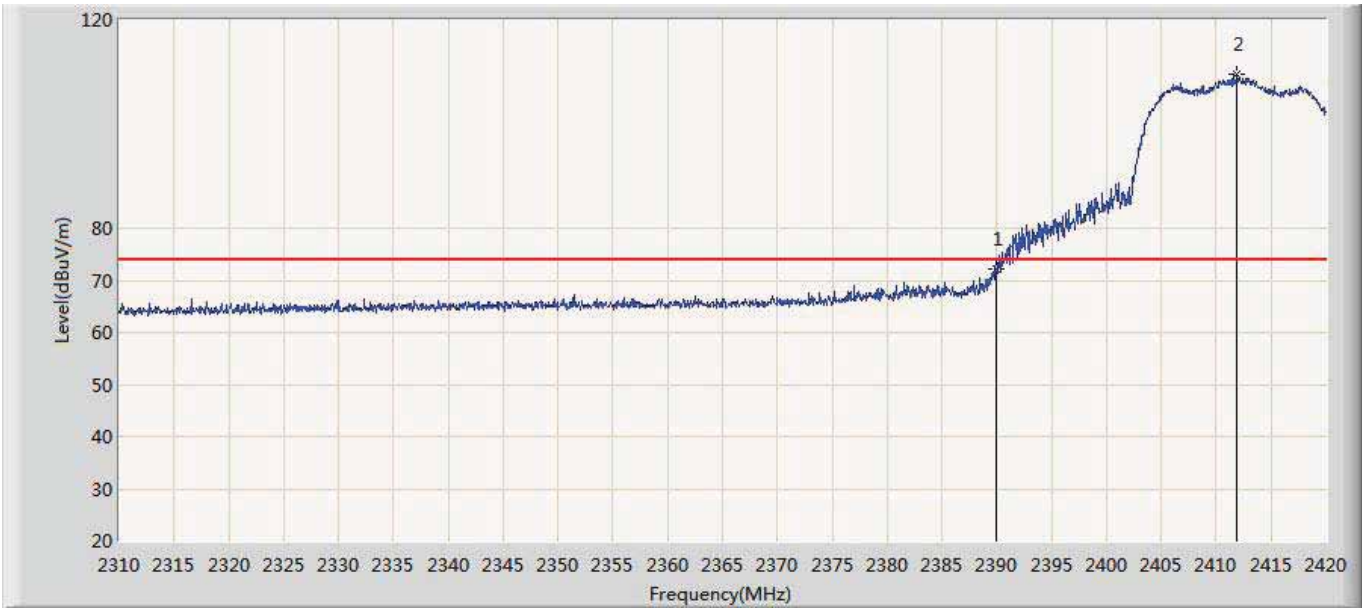
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1	*	2462.025	113.360	74.466	N/A	N/A	38.894	PK
2		2483.500	64.721	25.637	-9.279	74.000	39.084	PK

Engineer: Jack	
Site: AC5	Time: 2014/09/18 - 14:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 2462MHz by 802.11b Ant 1	



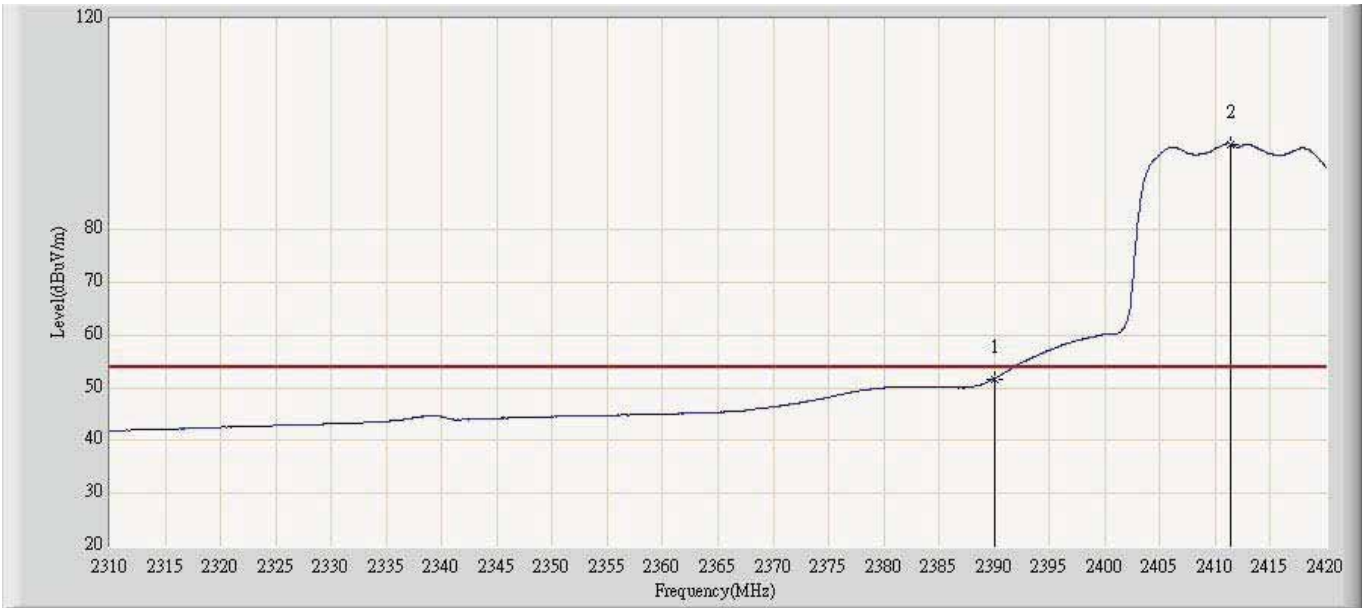
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1	*	2462.650	107.203	68.303	N/A	N/A	38.900	AV
2		2483.500	52.554	13.470	-1.446	54.000	39.084	AV

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 10:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 2: Transmit at channel 2412MHz by 802.11g Ant 1	



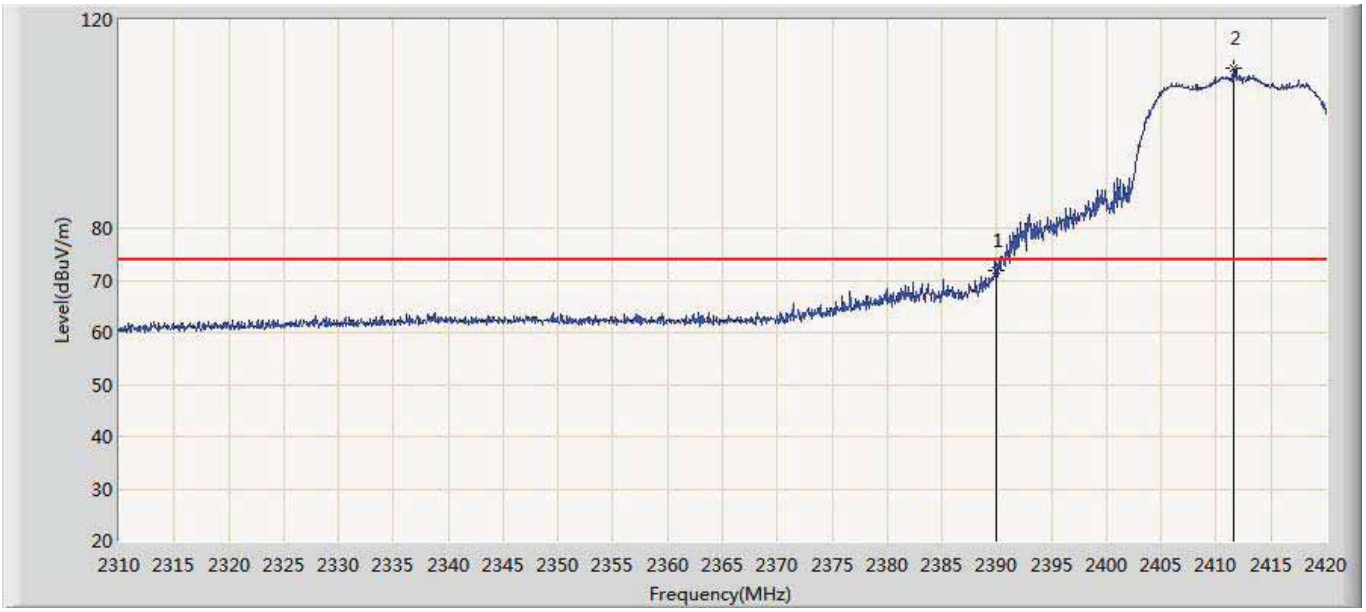
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	72.174	33.921	-1.826	74.000	38.253	PK
2	*	2411.915	109.604	71.155	N/A	N/A	38.449	PK

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 10:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 2: Transmit at channel 2412MHz by 802.11g Ant 1	



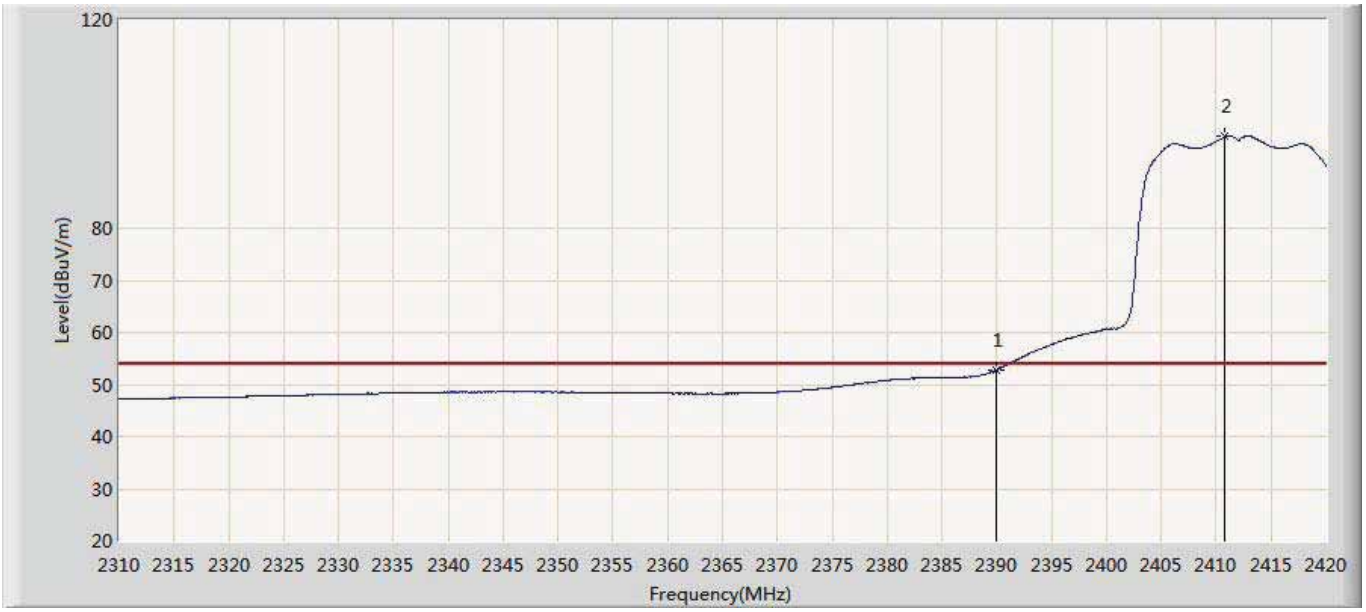
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	51.735	13.482	-2.265	54.000	38.253	AV
1	*	2411.365	96.272	57.828	N/A	N/A	38.444	AV

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 10:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 2: Transmit at channel 2412MHz by 802.11g Ant 1	



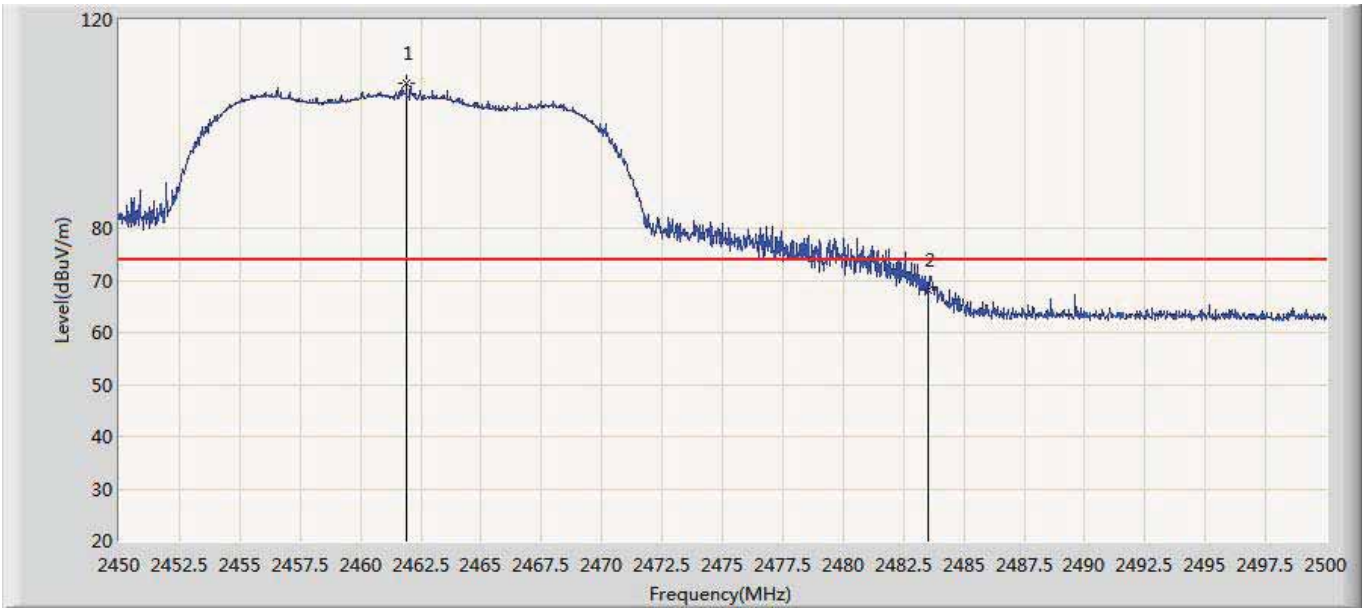
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	71.913	34.320	-2.087	74.000	37.593	PK
2	*	2411.530	110.828	73.128	N/A	N/A	37.700	PK

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 10:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 2: Transmit at channel 2412MHz by 802.11g Ant 1	



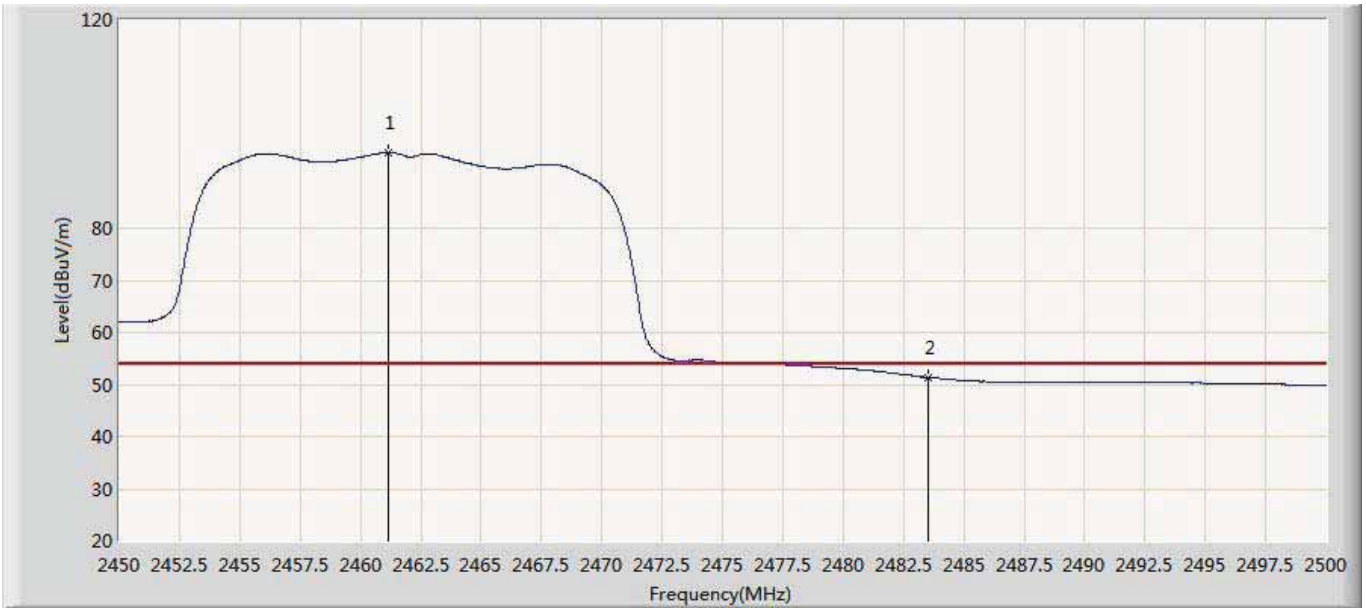
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.812	15.219	-1.188	54.000	37.593	AV
2	*	2410.815	97.550	59.854	N/A	N/A	37.696	AV

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 10:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 2: Transmit at channel 2462MHz by 802.11g Ant 1	



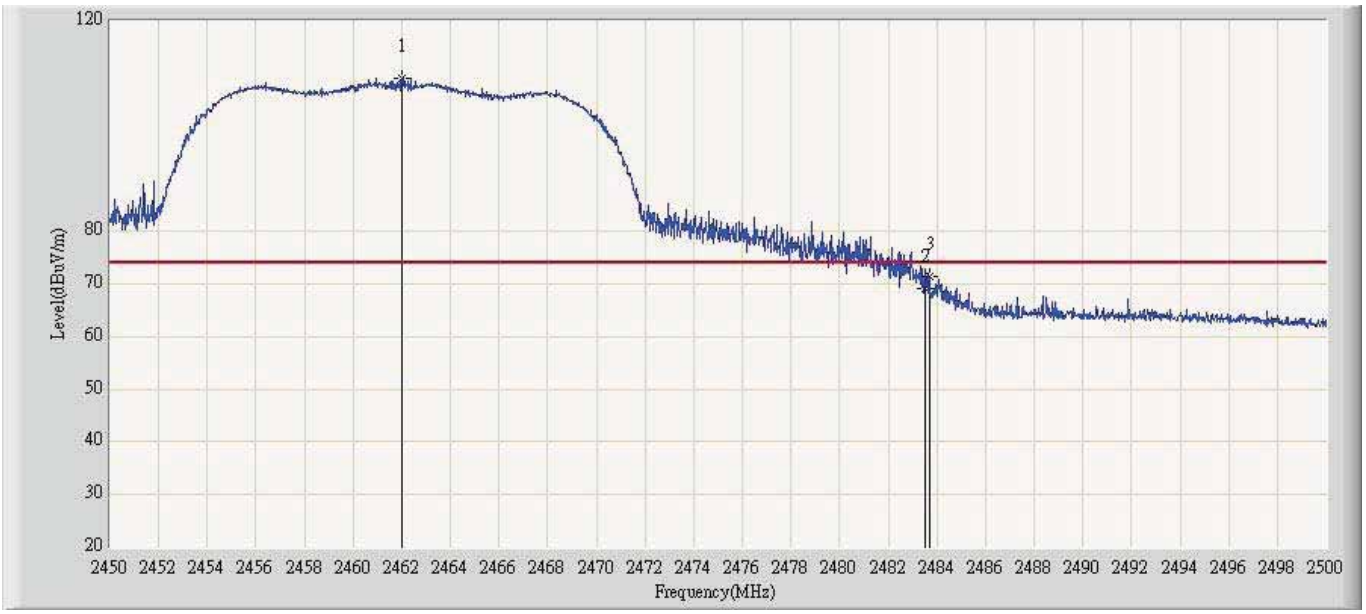
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.900	107.751	68.858	N/A	N/A	38.893	PK
2		2483.500	68.106	29.022	-5.894	74.000	39.084	PK

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 10:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 2: Transmit at channel 2462MHz by 802.11g Ant 1	



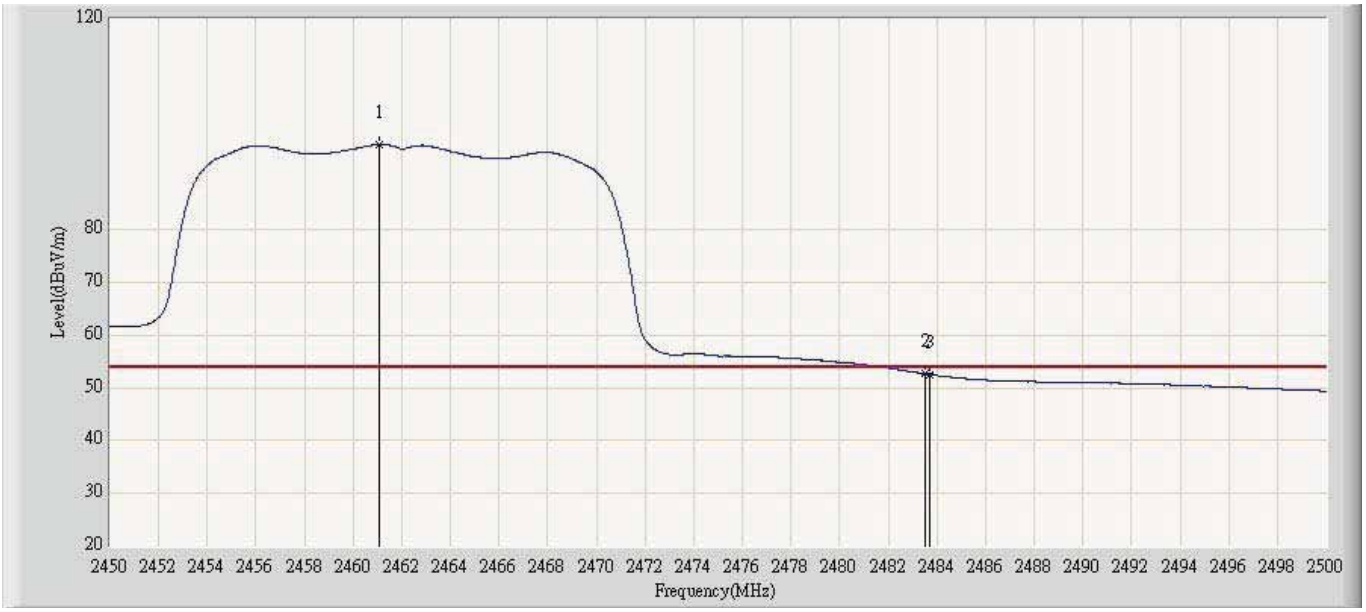
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.175	94.558	55.671	N/A	N/A	38.887	AV
2		2483.500	51.372	12.288	-2.628	54.000	39.084	AV

Site: AC5	Time: 2014/07/17 - 10:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 2: Transmit at channel 2462MHz by 802.11g Ant 1	



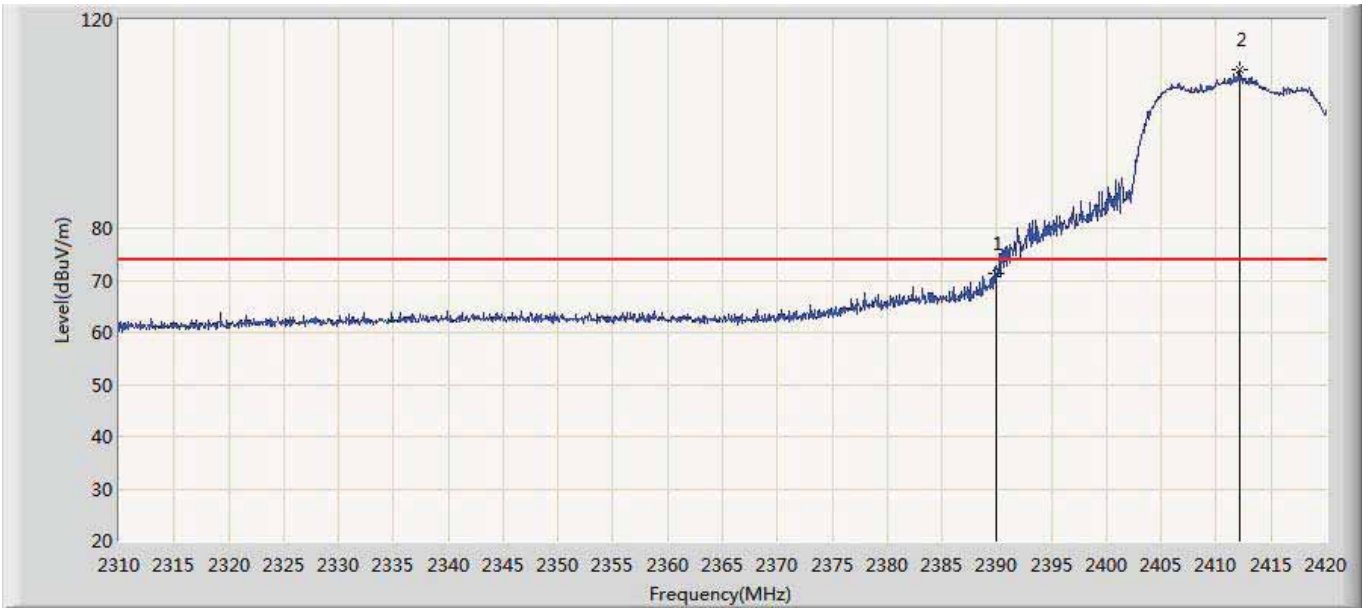
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1	*	2462.025	109.077	71.131	N/A	N/A	37.946	PK
2		2483.500	69.080	31.028	-4.920	74.000	38.050	PK
3		2483.700	71.327	33.275	-2.673	74.000	38.052	PK

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 10:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 2: Transmit at channel 2462MHz by 802.11g Ant 1	



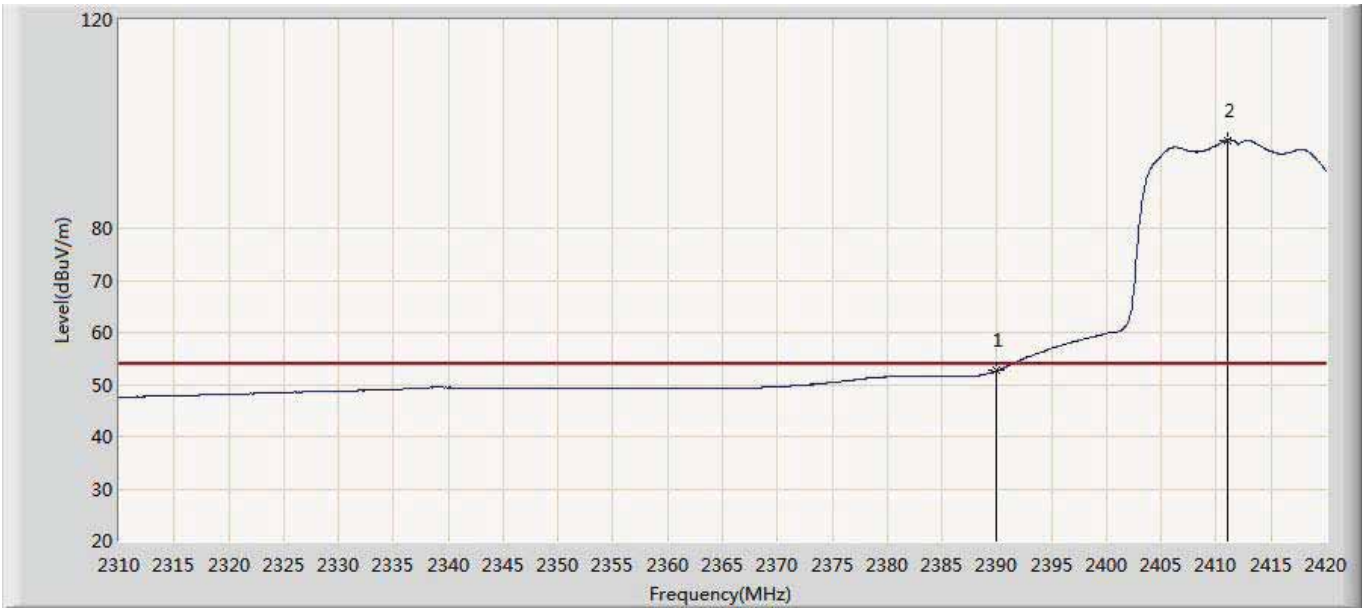
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.100	96.216	58.274	N/A	N/A	37.942	AV
2		2483.500	52.767	14.717	-1.233	54.000	38.050	AV
3		2483.700	52.582	14.530	-1.418	54.000	38.052	AV

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 11:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2412MHz by 802.11n(20MHz) Ant 1	



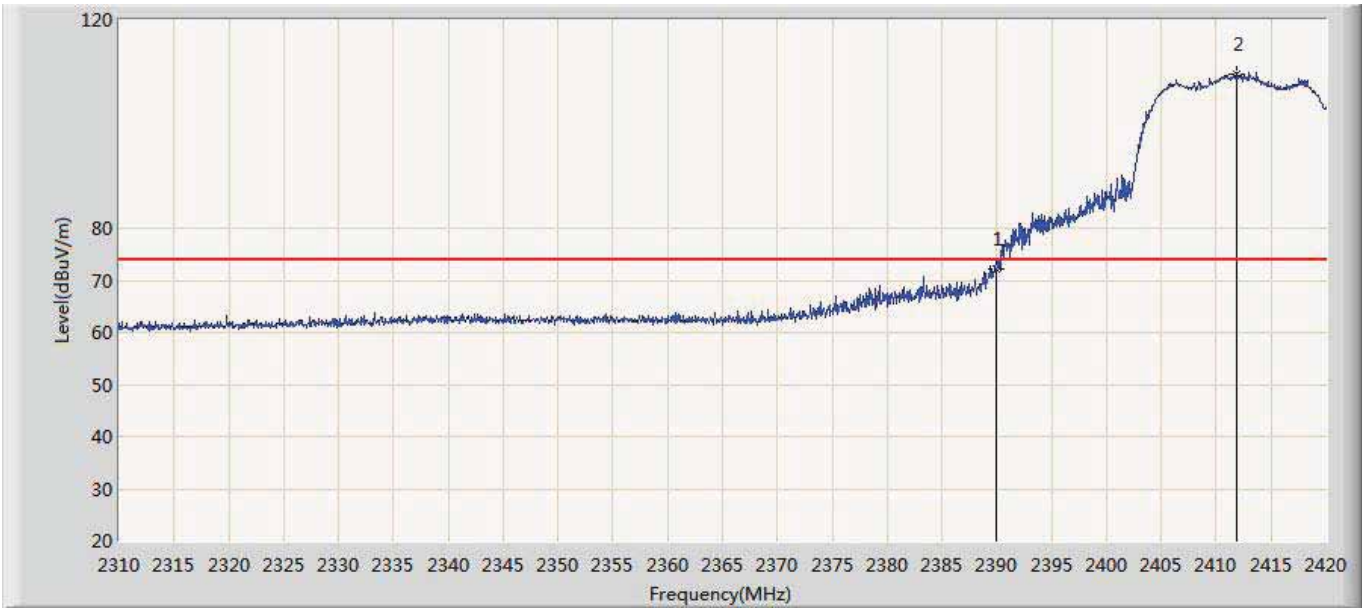
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	71.312	33.059	-2.688	74.000	38.253	PK
2	*	2412.190	110.333	71.881	N/A	N/A	38.452	PK

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 11:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2412MHz by 802.11n(20MHz) Ant 1	



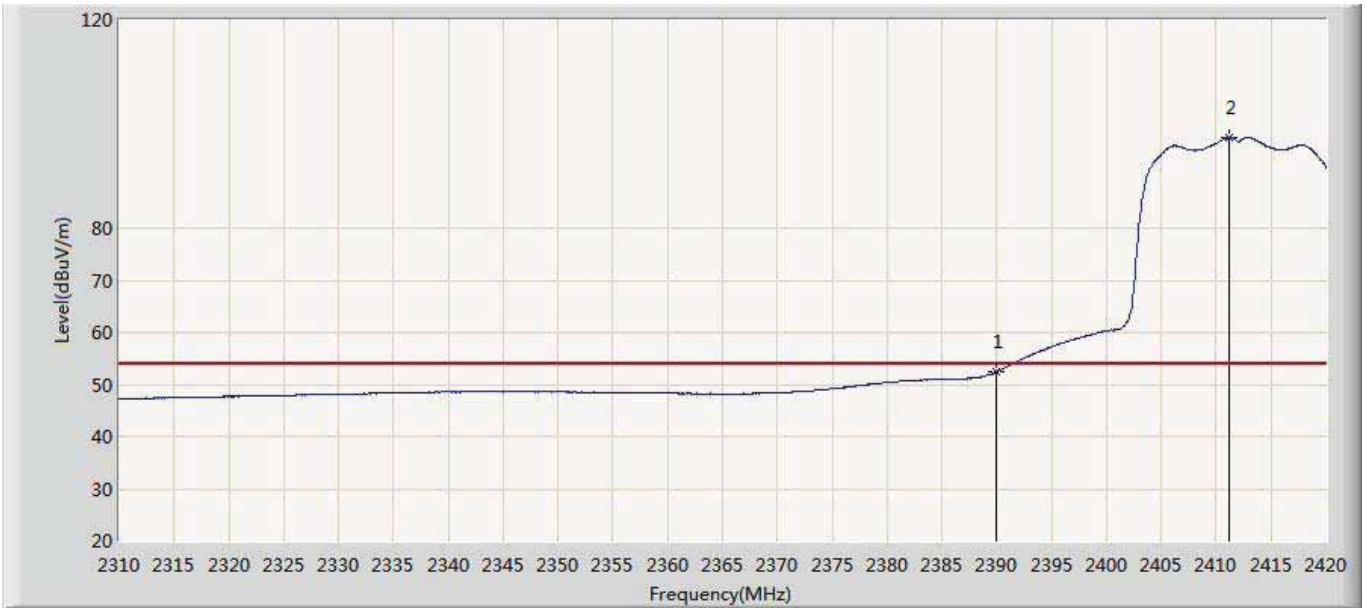
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.708	14.455	-1.292	54.000	38.253	AV
2	*	2410.980	96.872	58.431	N/A	N/A	38.441	AV

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 11:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2412MHz by 802.11n(20MHz) Ant 1	



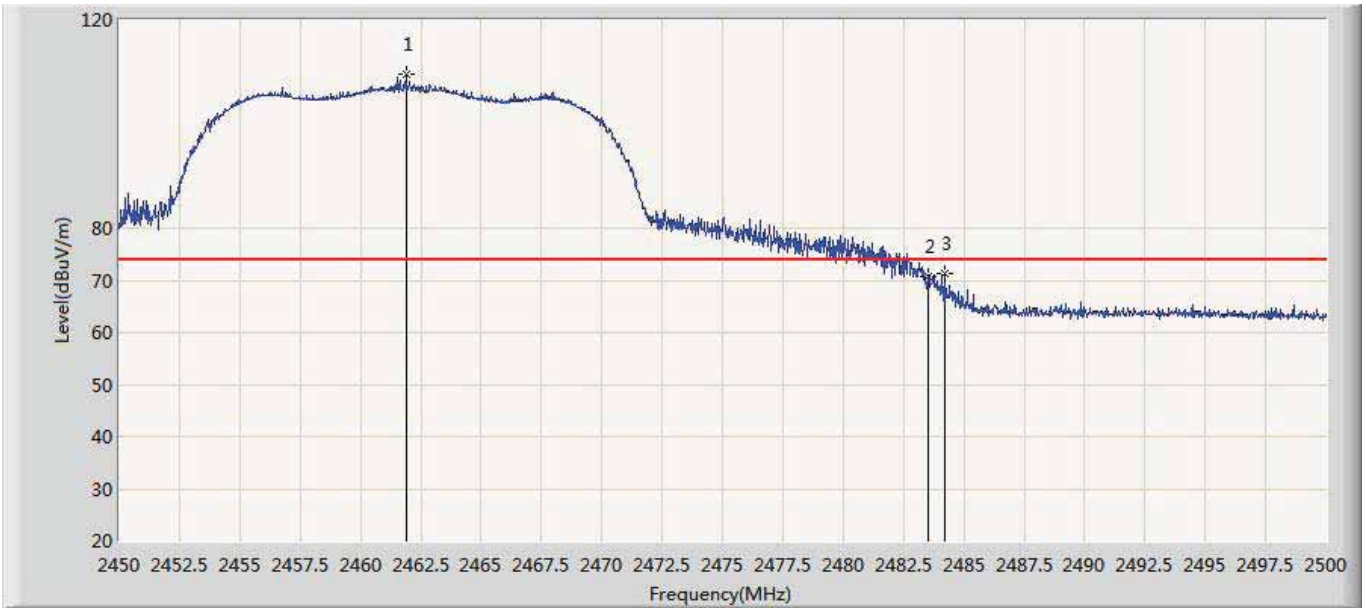
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	72.213	34.620	-1.787	74.000	37.593	PK
2	*	2411.915	109.670	71.969	N/A	N/A	37.701	PK

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 11:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2412MHz by 802.11n(20MHz) Ant 1	



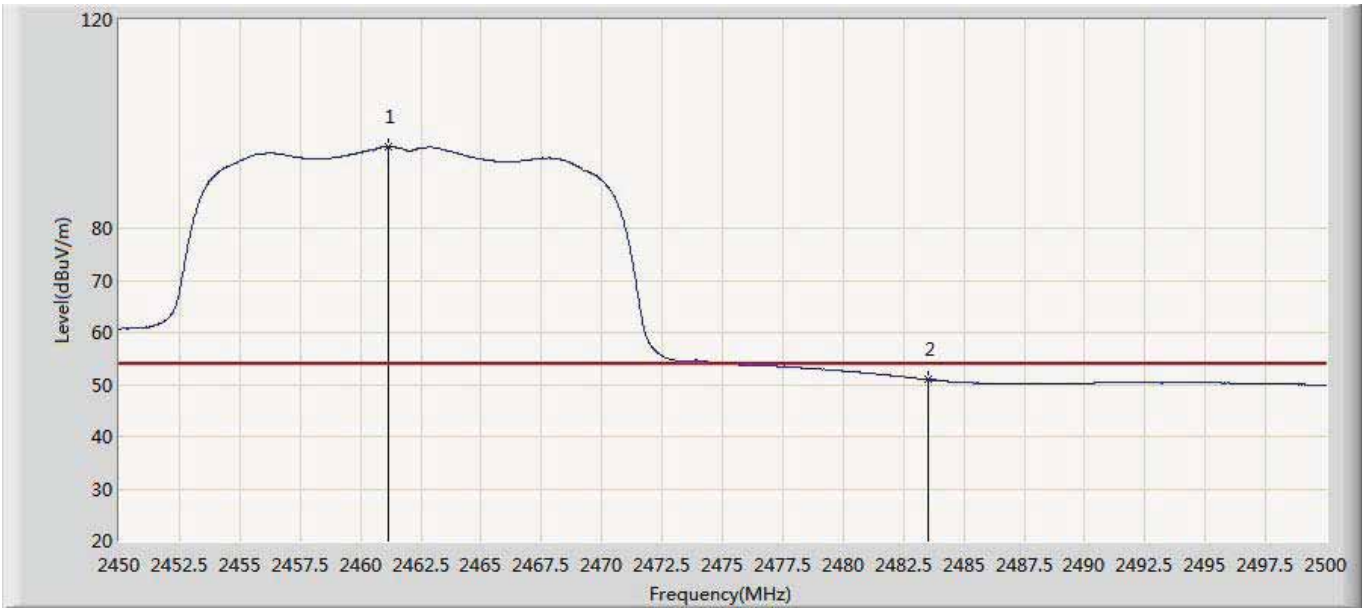
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.472	14.879	-1.528	54.000	37.593	AV
2	*	2411.200	97.419	59.721	N/A	N/A	37.698	AV

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 11:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2462MHz by 802.11n(20MHz) Ant 1	



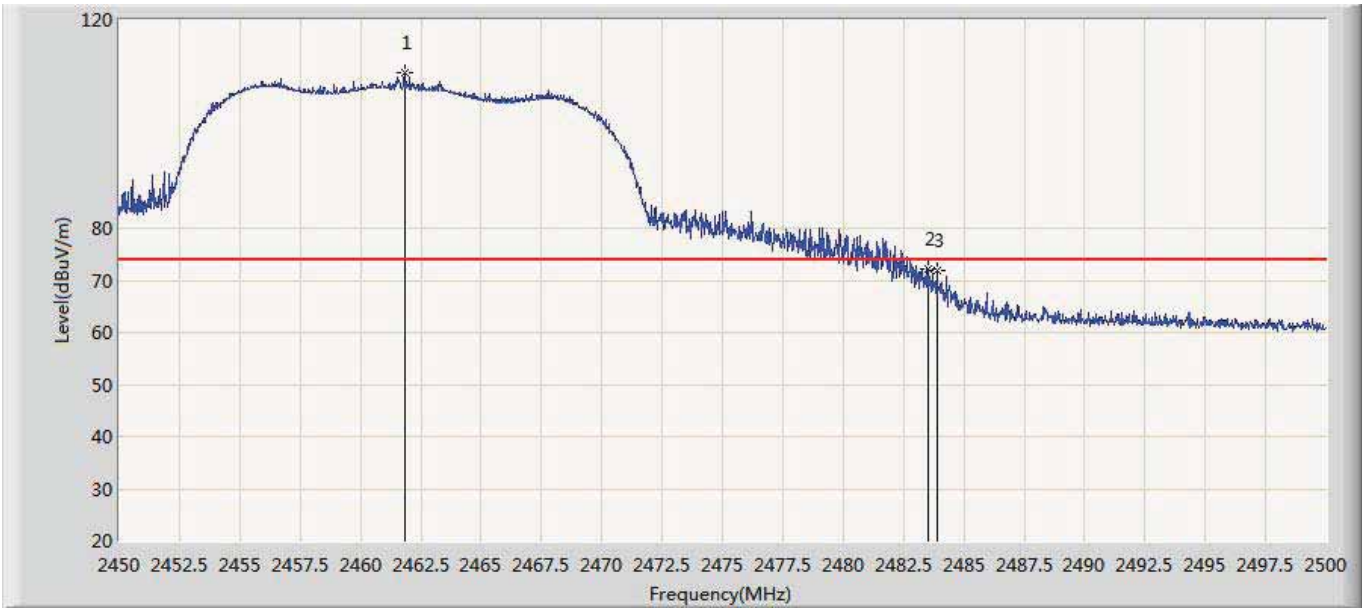
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.875	109.678	70.785	N/A	N/A	38.893	PK
2		2483.500	70.801	31.717	-3.199	74.000	39.084	PK

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 11:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2462MHz by 802.11n(20MHz) Ant 1	



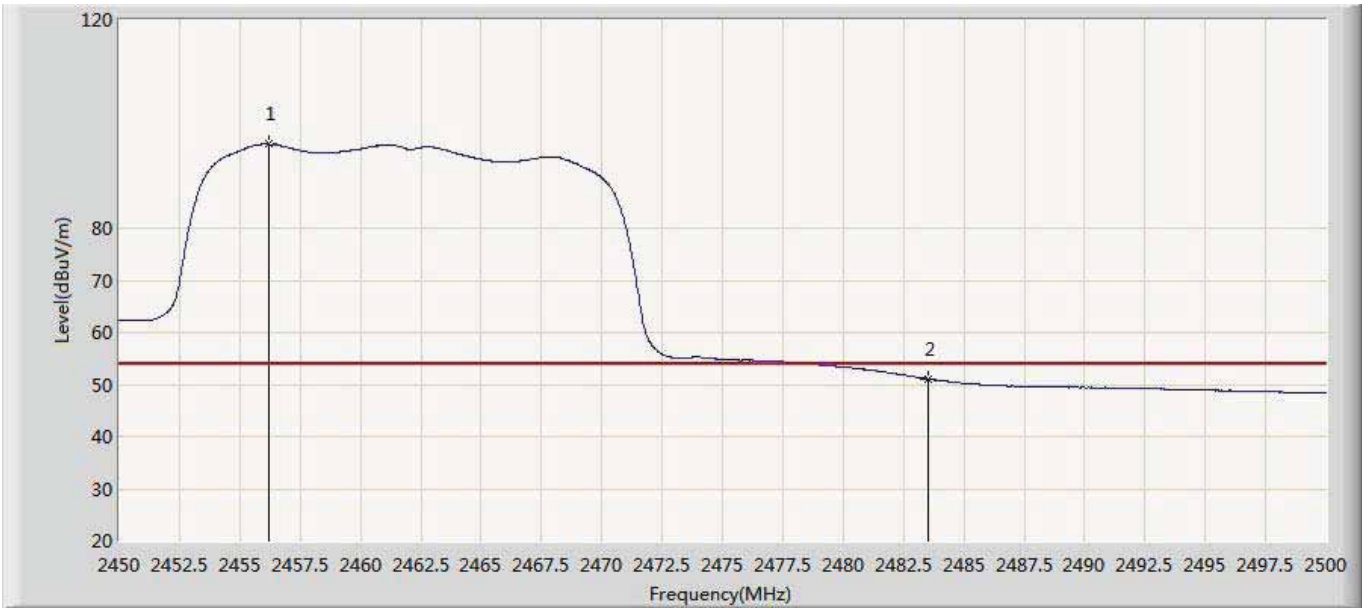
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.175	95.638	56.751	N/A	N/A	38.887	AV
2		2483.500	50.947	11.863	-3.053	54.000	39.084	AV

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 11:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2462MHz by 802.11n(20MHz) Ant 1	



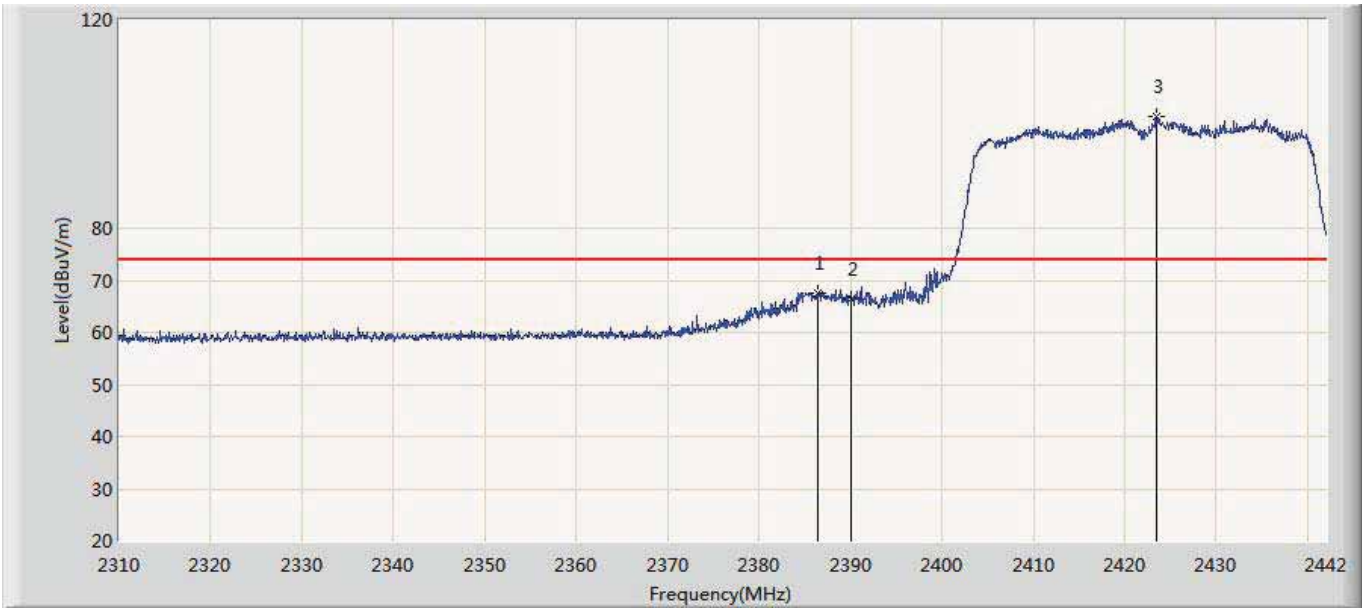
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.825	109.952	72.007	N/A	N/A	37.945	PK
2		2483.500	72.202	34.152	-1.798	74.000	38.050	PK

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 11:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2462MHz by 802.11n(20MHz) Ant 1	



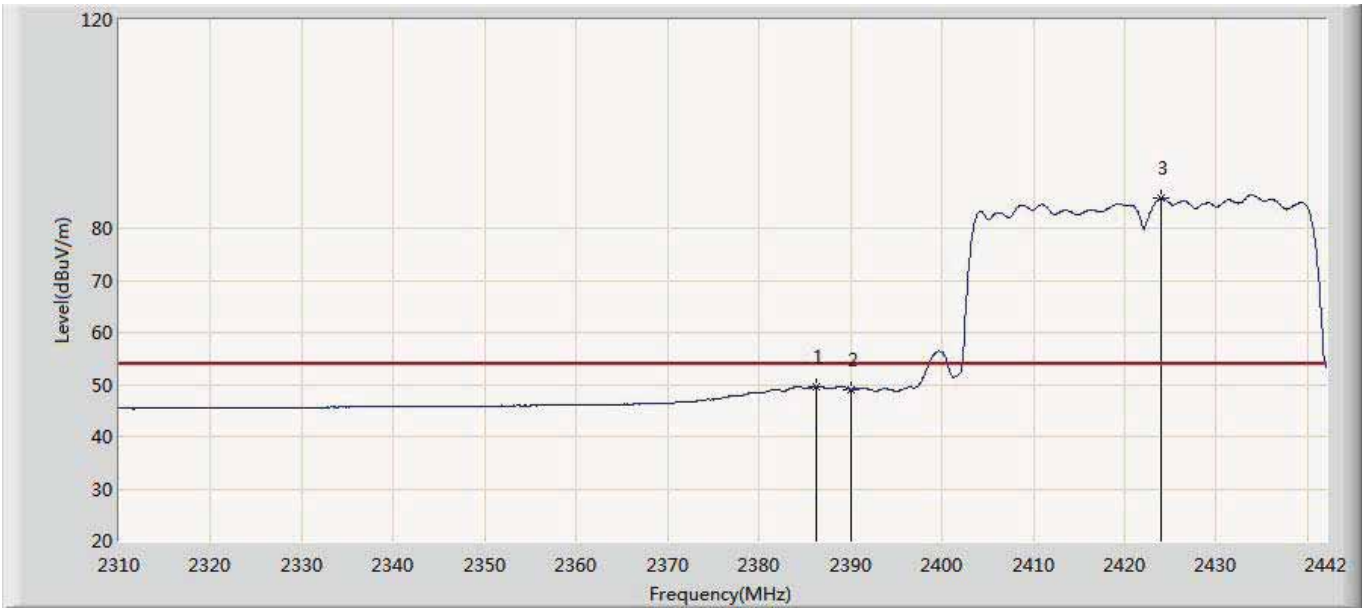
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2456.200	96.098	58.180	N/A	N/A	37.918	AV
2		2483.500	51.105	13.055	-2.895	54.000	38.050	AV

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 11:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2422MHz by 802.11n(40MHz) Ant 1	



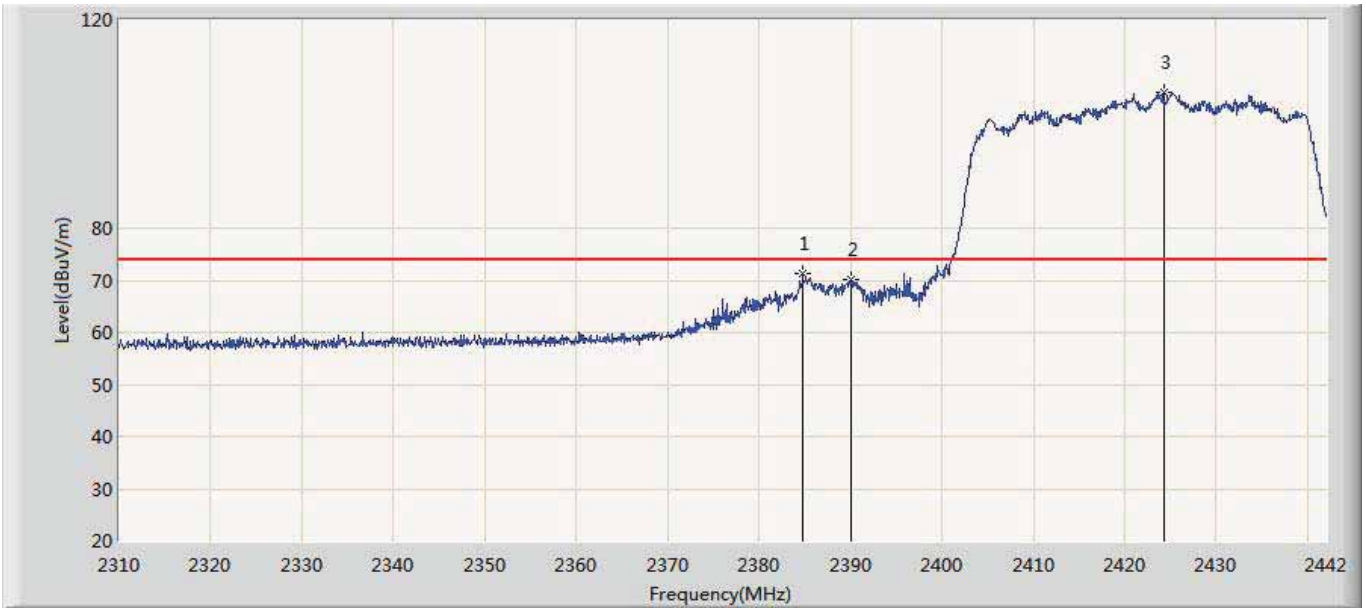
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2386.428	67.673	29.451	-6.327	74.000	38.222	PK
2		2390.000	66.498	28.245	-7.502	74.000	38.253	PK
3	*	2423.454	101.476	62.923	N/A	N/A	38.553	PK

Engineer: Jack	
Site: AC5	Time: 2014/07/17 - 12:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2422MHz by 802.11n(40MHz) Ant 1	



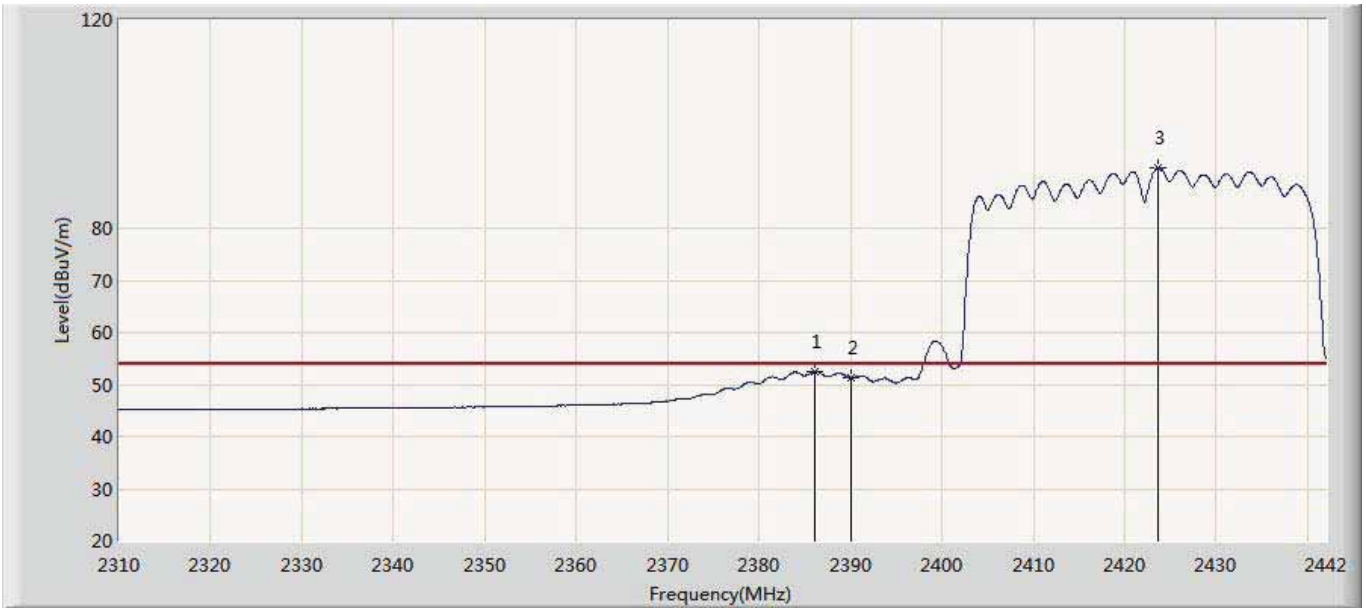
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2386.230	49.675	11.456	-4.325	54.000	38.219	AV
2		2390.000	49.037	10.784	-4.963	54.000	38.253	AV
3	*	2424.048	85.735	47.177	N/A	N/A	38.558	AV

Engineer: Jack	
Site: AC5	Time: 2014/07/21 - 19:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2422MHz by 802.11n(40MHz) Ant 1	



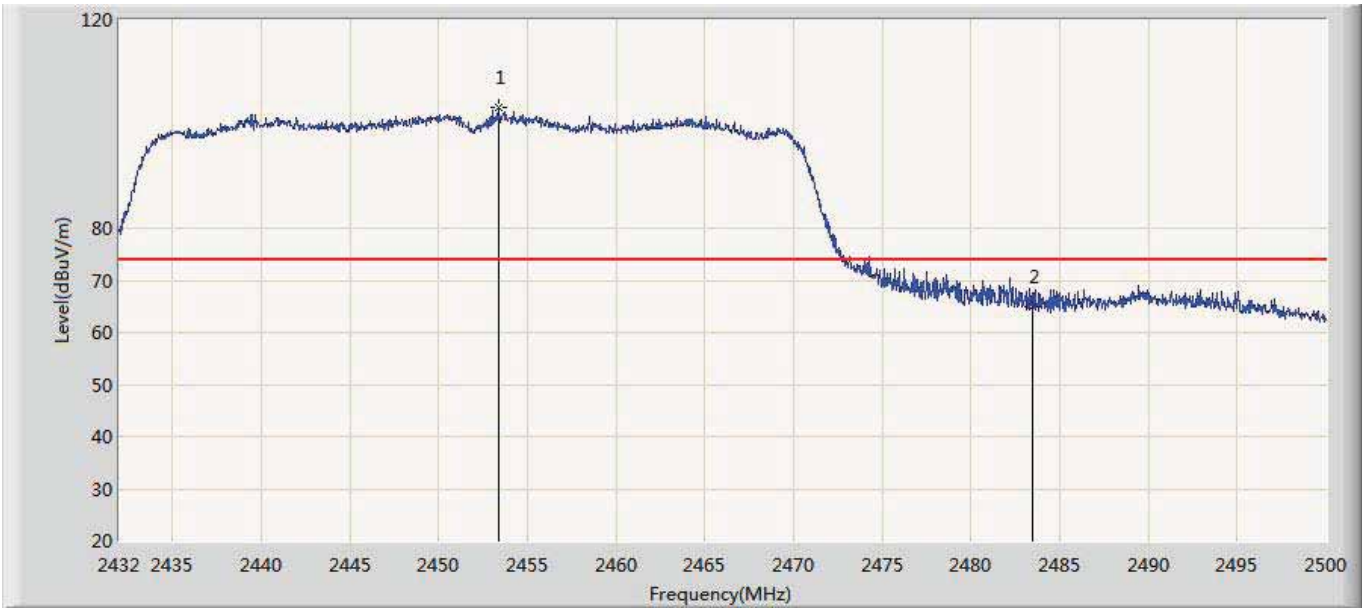
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2384.778	71.241	33.673	-2.759	74.000	37.568	PK
2		2390.000	70.244	32.651	-3.756	74.000	37.593	PK
3	*	2424.246	106.051	68.288	N/A	N/A	37.763	PK

Engineer: Jack	
Site: AC5	Time: 2014/07/21 - 20:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2422MHz by 802.11n(40MHz) Ant 1	



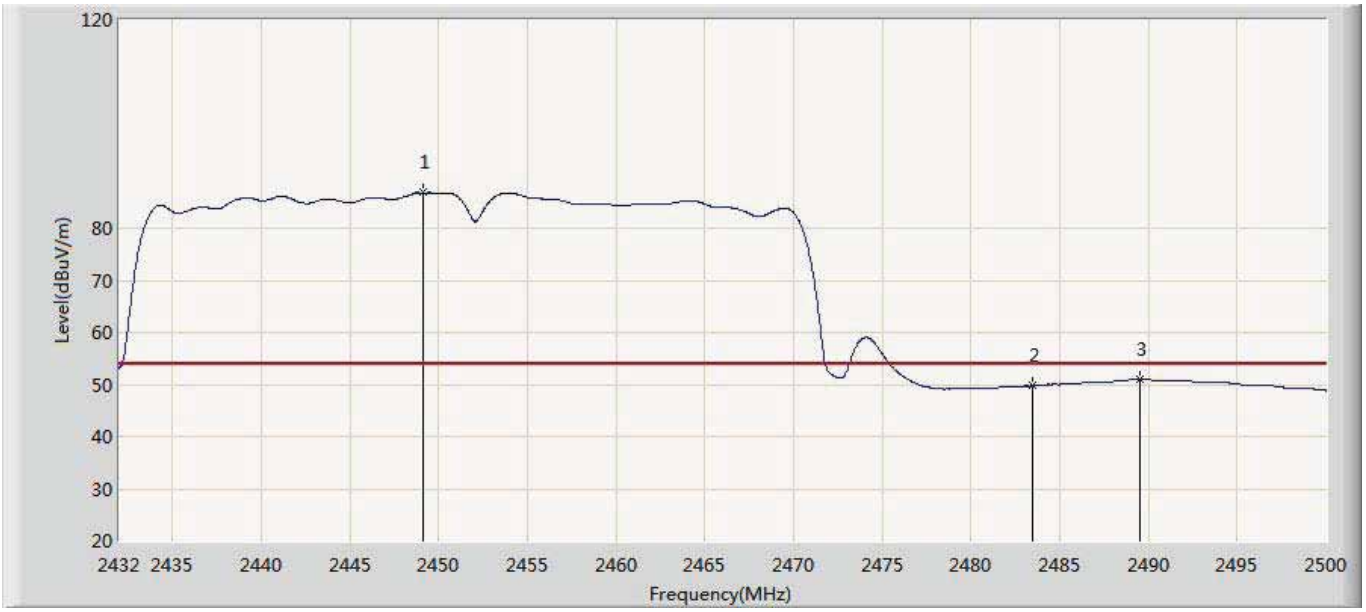
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2386.032	52.466	14.893	-1.534	54.000	37.573	AV
2		2390.000	51.229	13.636	-2.771	54.000	37.593	AV
3	*	2423.586	91.654	53.895	N/A	N/A	37.759	AV

Engineer: Jack	
Site: AC5	Time: 2014/07/21 - 20:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2452MHz by 802.11n(40MHz) Ant 1	



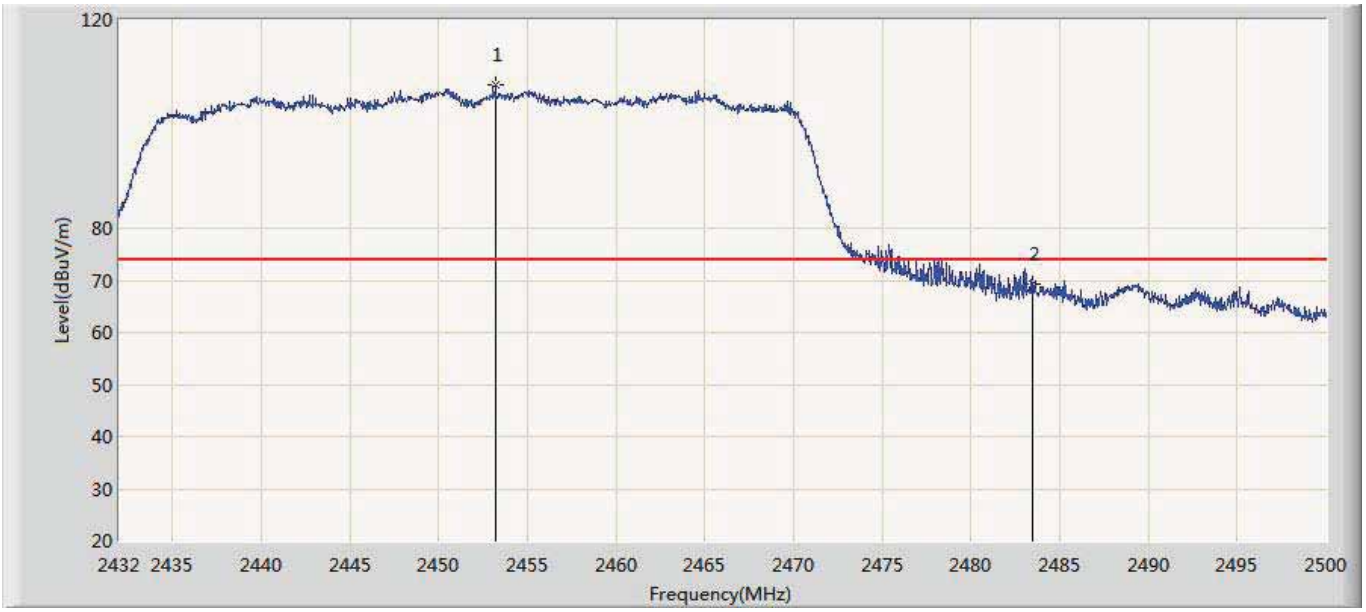
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2453.420	103.332	64.513	N/A	N/A	38.819	PK
2		2483.500	64.886	25.802	-9.114	74.000	39.084	PK

Engineer: Jack	
Site: AC5	Time: 2014/07/21 - 20:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2452MHz by 802.11n(40MHz) Ant 1	



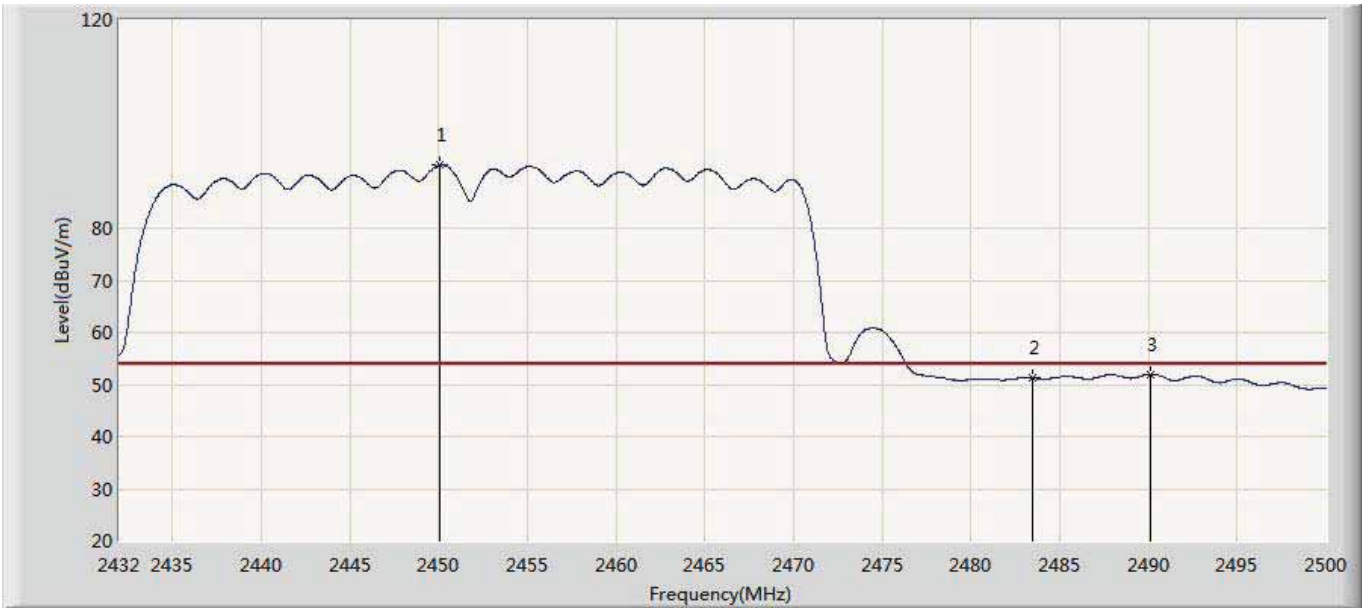
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2449.102	86.814	48.033	N/A	N/A	38.781	AV
2		2483.500	49.732	10.648	-4.268	54.000	39.084	AV
3		2489.494	51.063	11.925	-2.937	54.000	39.138	AV

Engineer: Jack	
Site: AC5	Time: 2014/07/21 - 20:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2452MHz by 802.11n(40MHz) Ant 1	



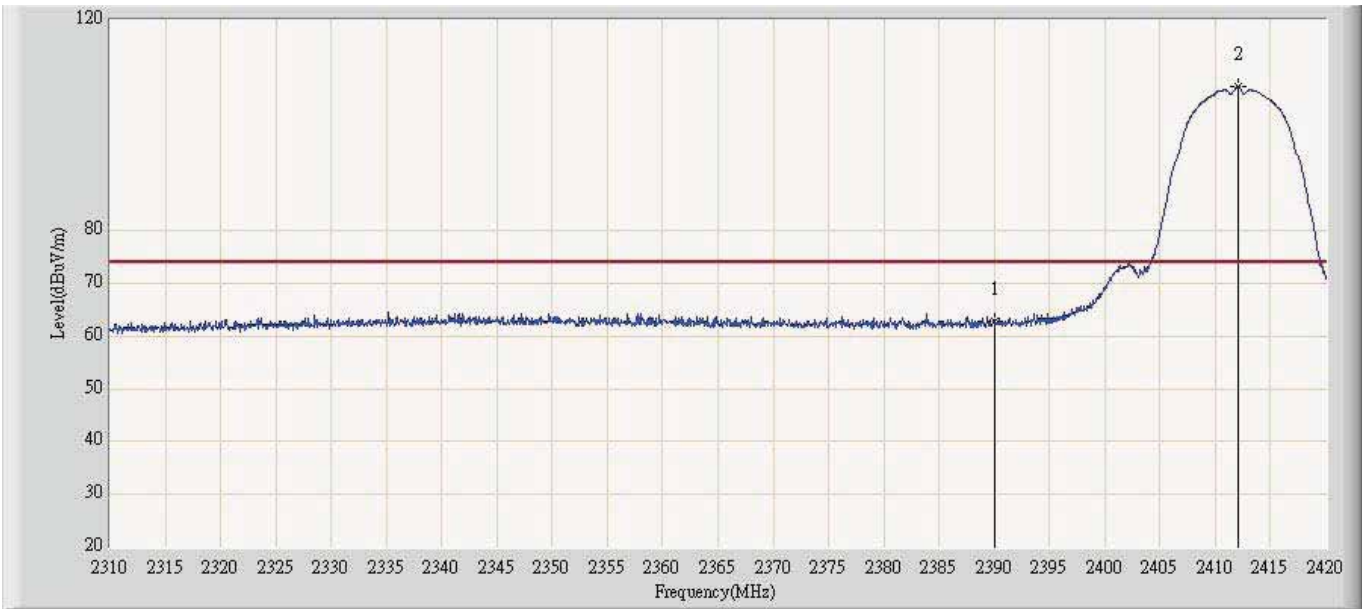
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2453.216	107.634	69.730	N/A	N/A	37.904	PK
2		2483.500	69.408	31.358	-4.590	74.000	38.050	PK

Engineer: Jack	
Site: AC5	Time: 2014/07/21 - 20:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2452MHz by 802.11n(40MHz) Ant 1	



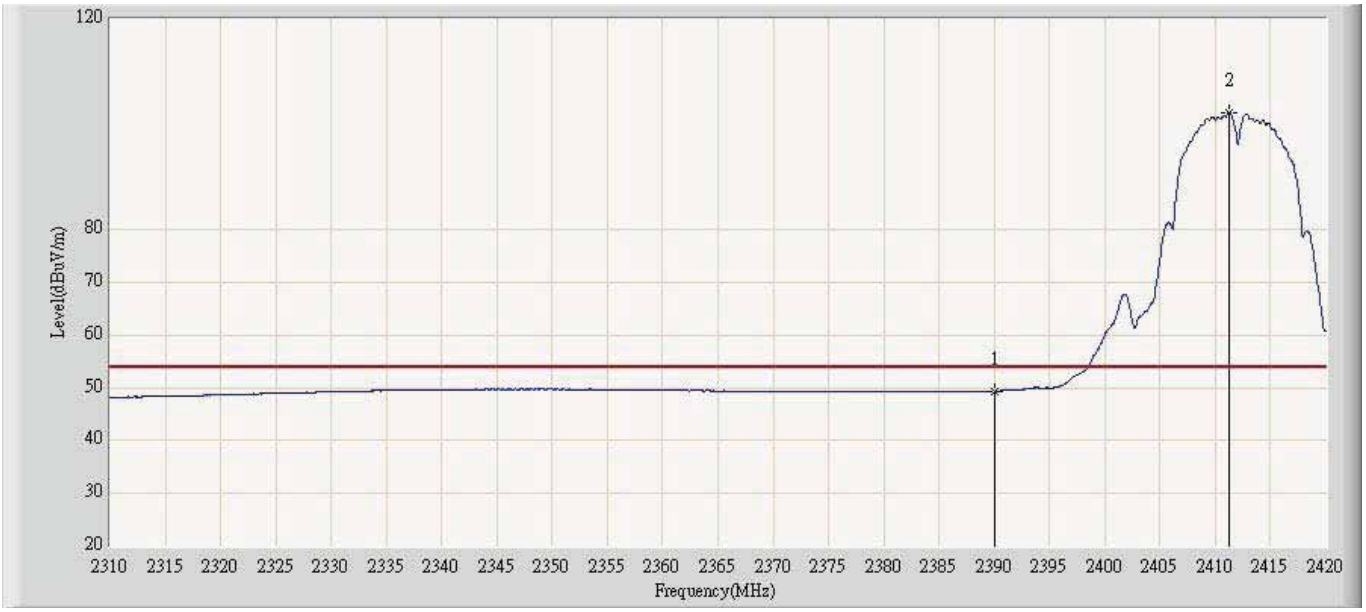
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2450.054	92.099	54.210	N/A	N/A	37.889	AV
2		2483.500	51.216	13.166	-2.784	54.000	38.050	AV
3		2490.140	51.982	13.898	-2.018	54.000	38.084	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 15:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 2412MHz by 802.11b Ant 2	



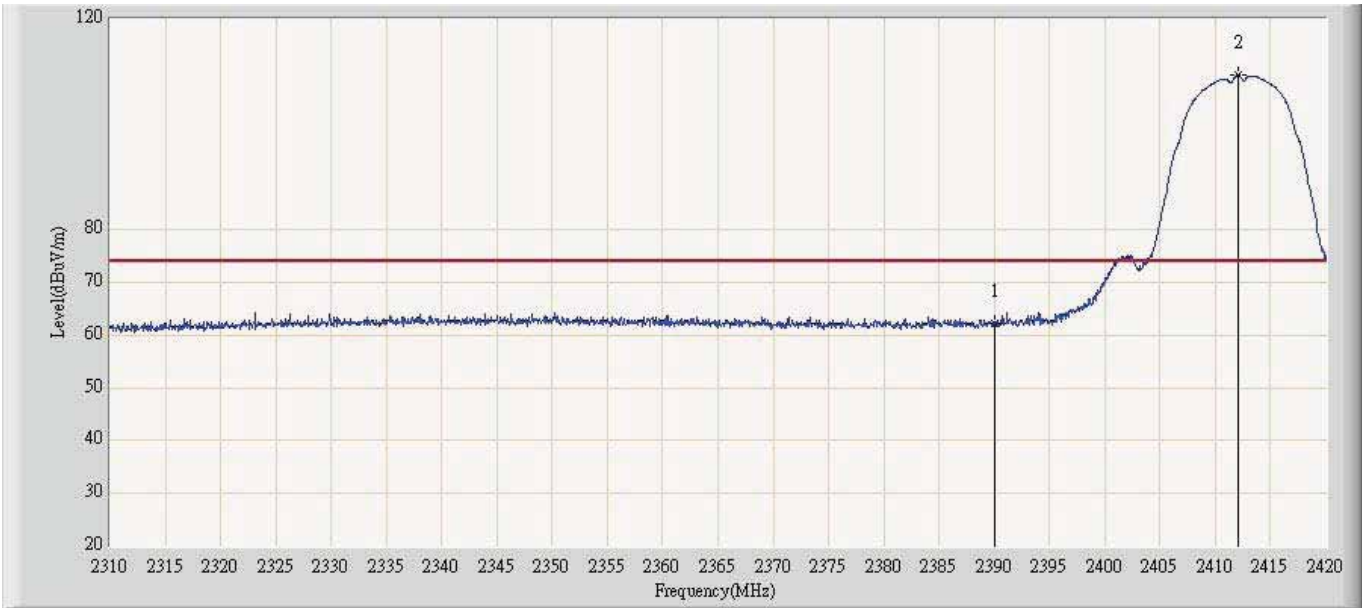
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	62.906	24.653	-11.094	74.000	38.253	PK
2		*	2412.080	107.325	68.874	N/A	N/A	38.451	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 15:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 2412MHz by 802.11b Ant 2	



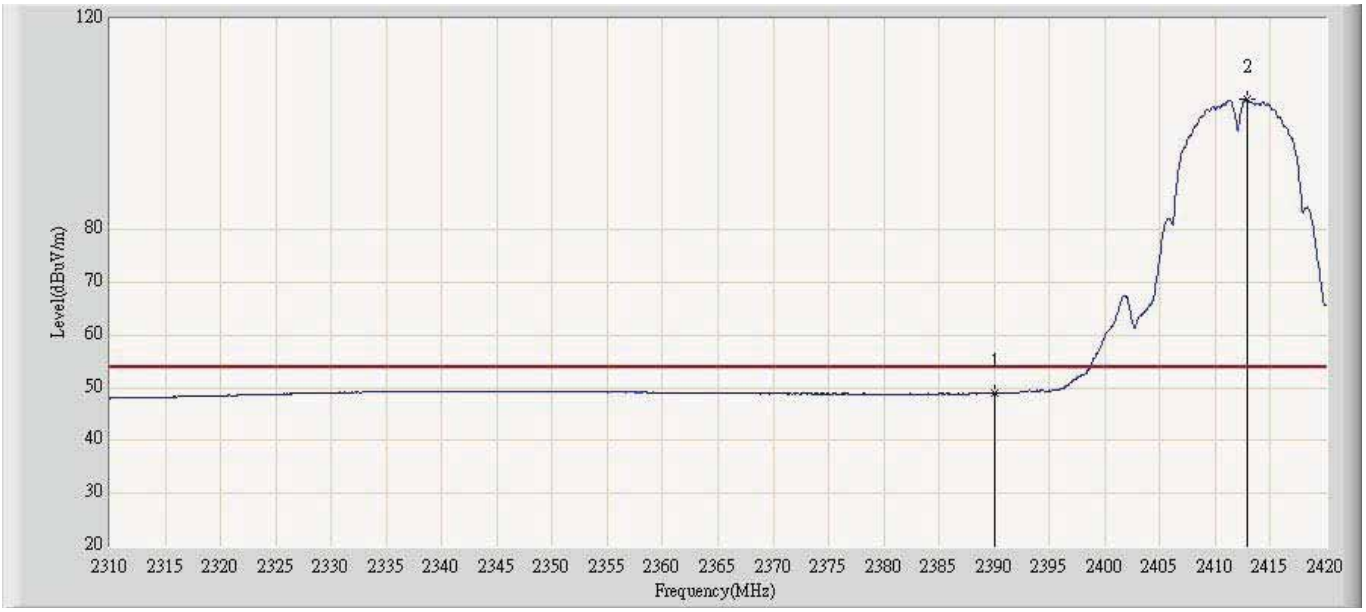
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	49.442	11.189	-4.558	54.000	38.253	AV
2		*	2411.255	102.189	63.746	N/A	N/A	38.443	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 15:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 2412MHz by 802.11b Ant 2	



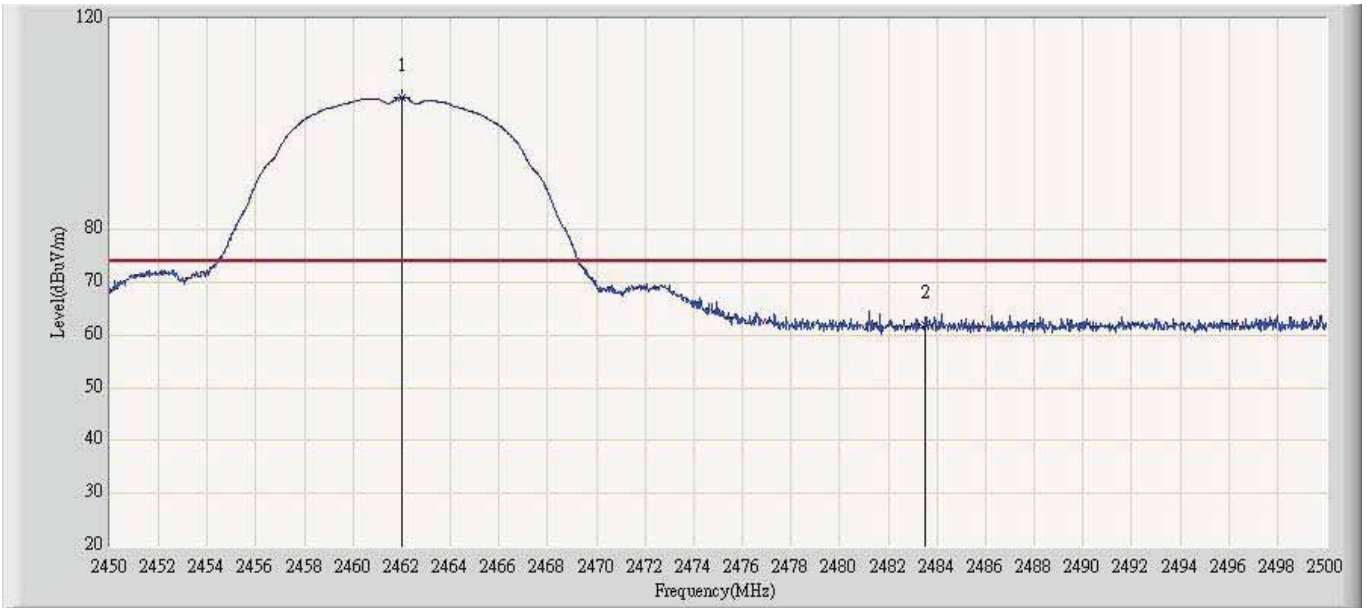
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	62.377	24.784	-11.623	74.000	37.593	PK
2		*	2412.080	109.336	71.633	N/A	N/A	37.703	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 15:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 2412MHz by 802.11b Ant 2	



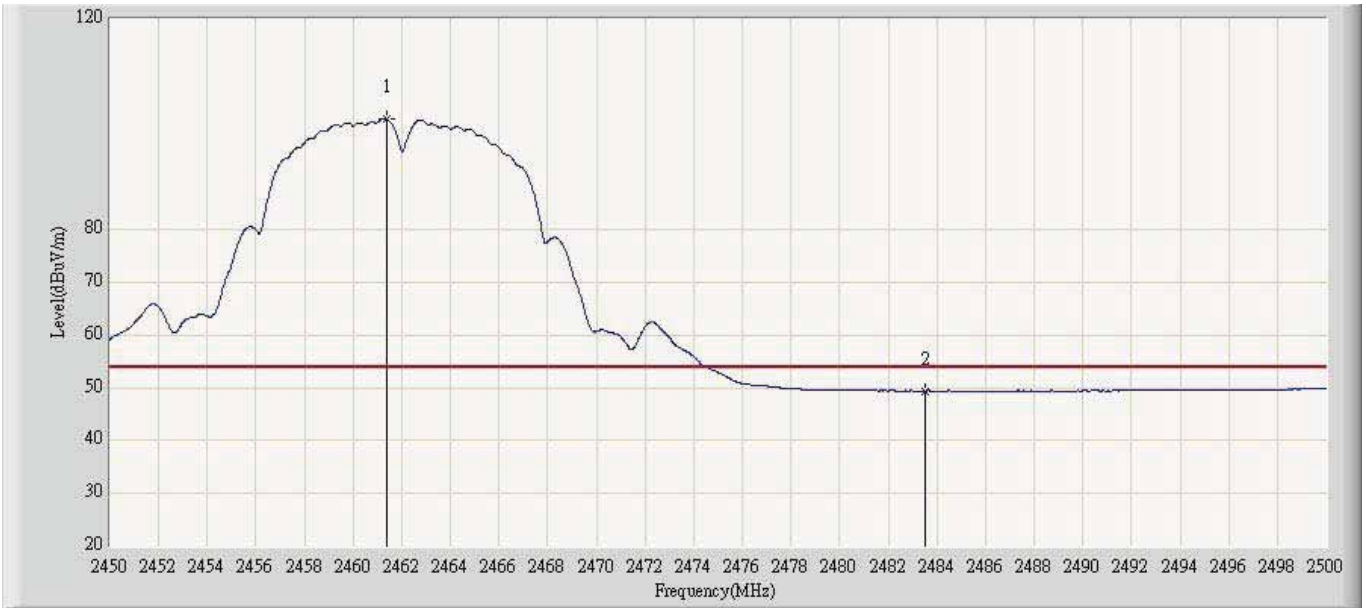
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	48.966	11.373	-5.034	54.000	37.593	AV
2		*	2412.905	104.650	66.943	N/A	N/A	37.707	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 15:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 2462MHz by 802.11b Ant 2	



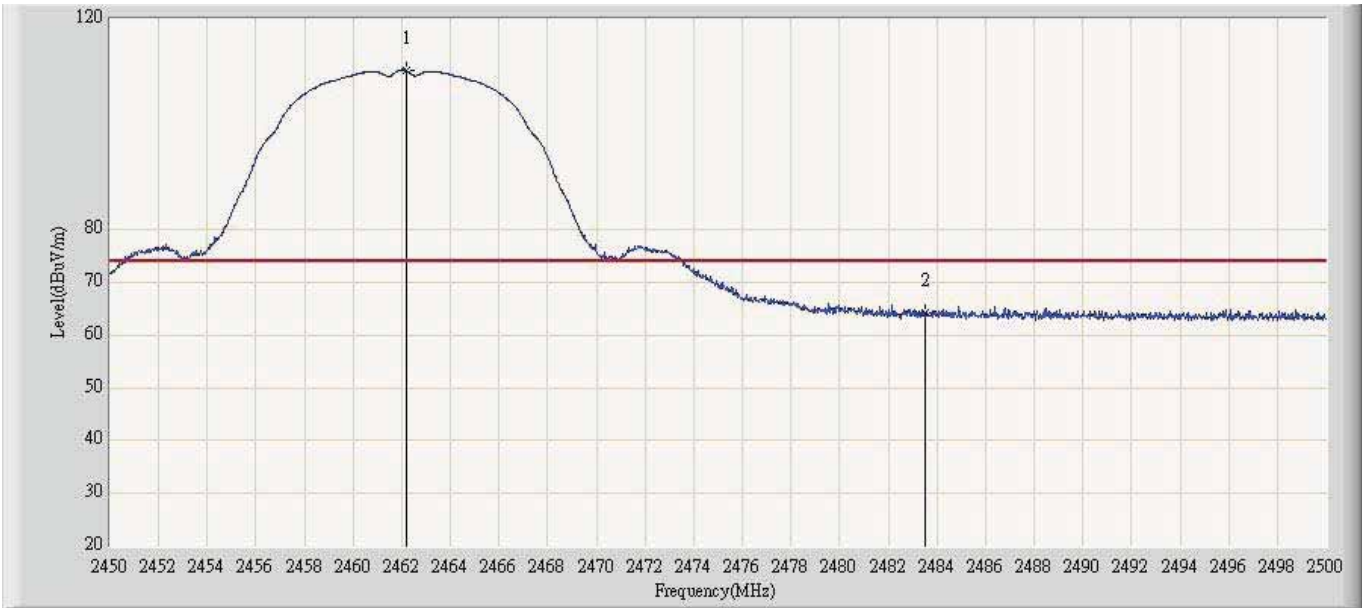
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2462.025	105.172	66.278	N/A	N/A	38.894	PK
2			2483.500	61.955	22.871	-12.045	74.000	39.084	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 15:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 2462MHz by 802.11b Ant 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.400	100.928	62.039	N/A	N/A	38.889	AV
2			2483.500	49.440	10.356	-4.560	54.000	39.084	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 15:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 2462MHz by 802.11b Ant 2	

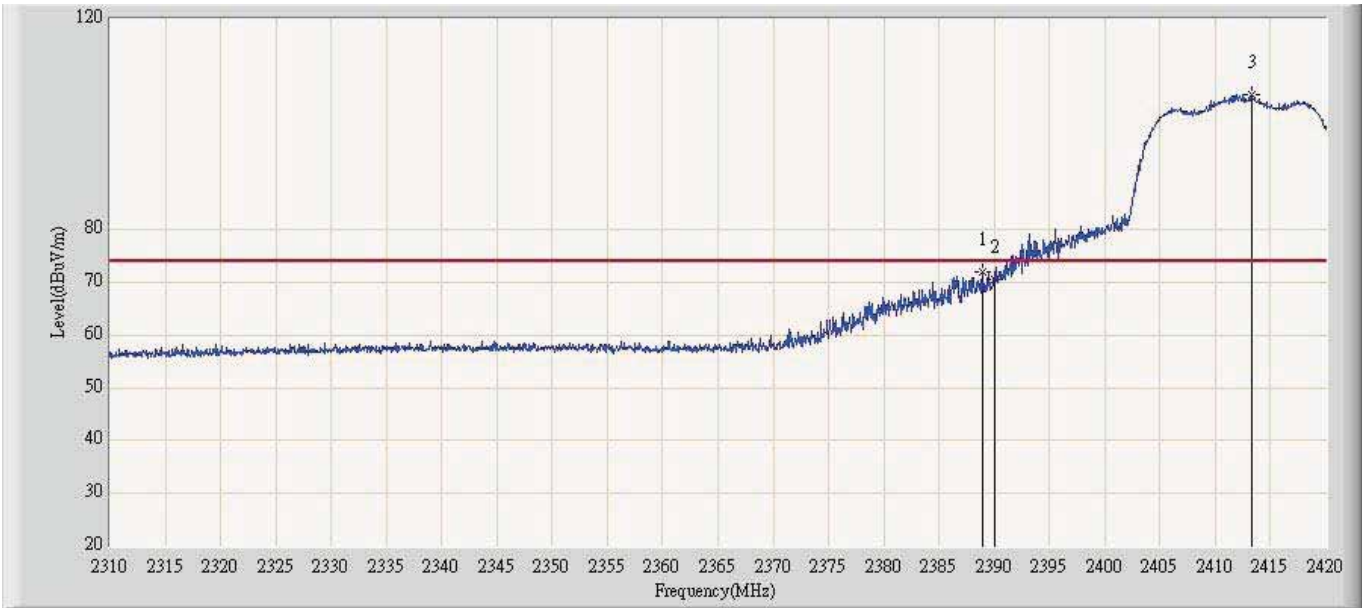


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2462.175	110.225	72.278	N/A	N/A	37.947	PK
2			2483.500	64.214	26.163	-9.786	74.000	38.050	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 16:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 2462MHz by 802.11b Ant 2	

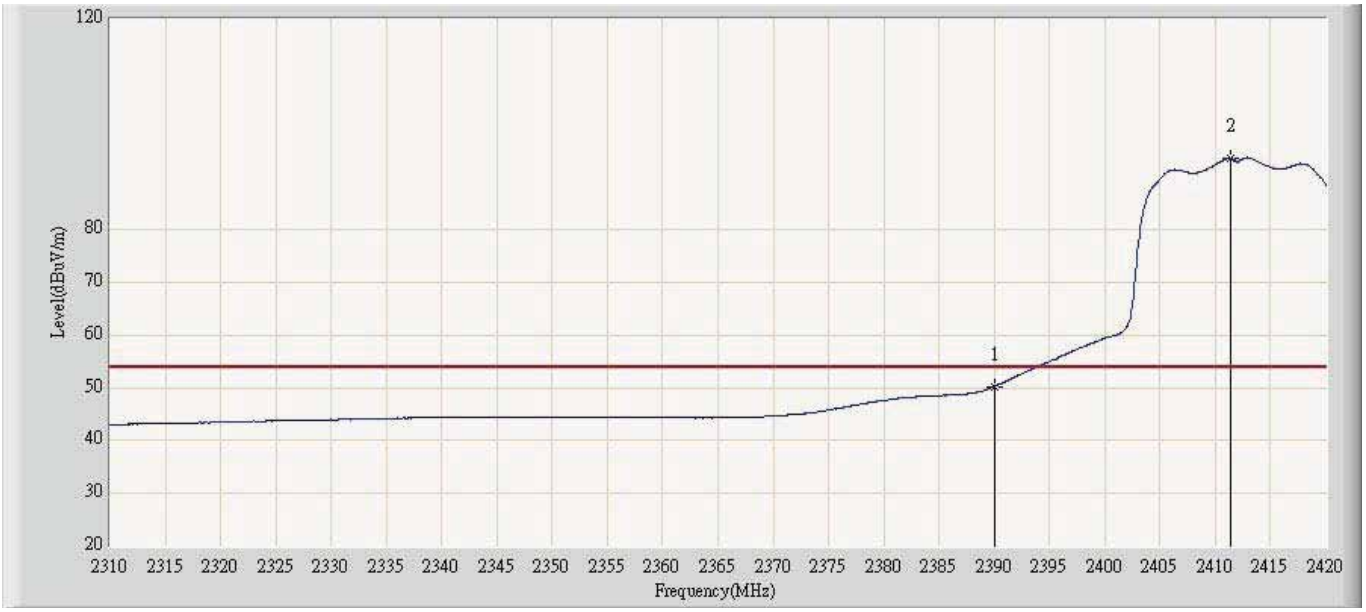
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2462.725	105.986	68.036	N/A	N/A	37.950	AV
2			2483.500	50.421	12.371	-3.579	54.000	38.050	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 16:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 2: Transmit at channel 2412MHz by 802.11g Ant 2	



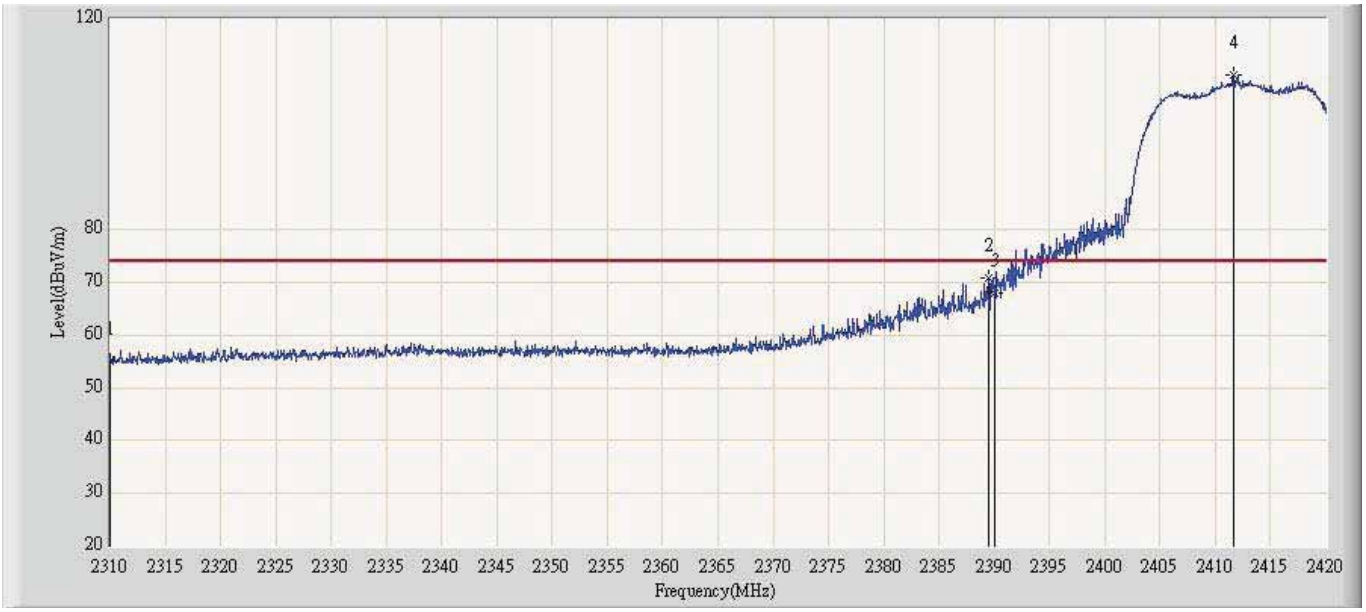
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2388.925	72.077	34.389	-1.923	74.000	37.688	PK
2			2390.000	70.690	32.997	-3.310	74.000	37.693	PK
3		*	2413.235	105.694	67.886	N/A	N/A	37.808	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 16:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 2: Transmit at channel 2412MHz by 802.11g Ant 2	



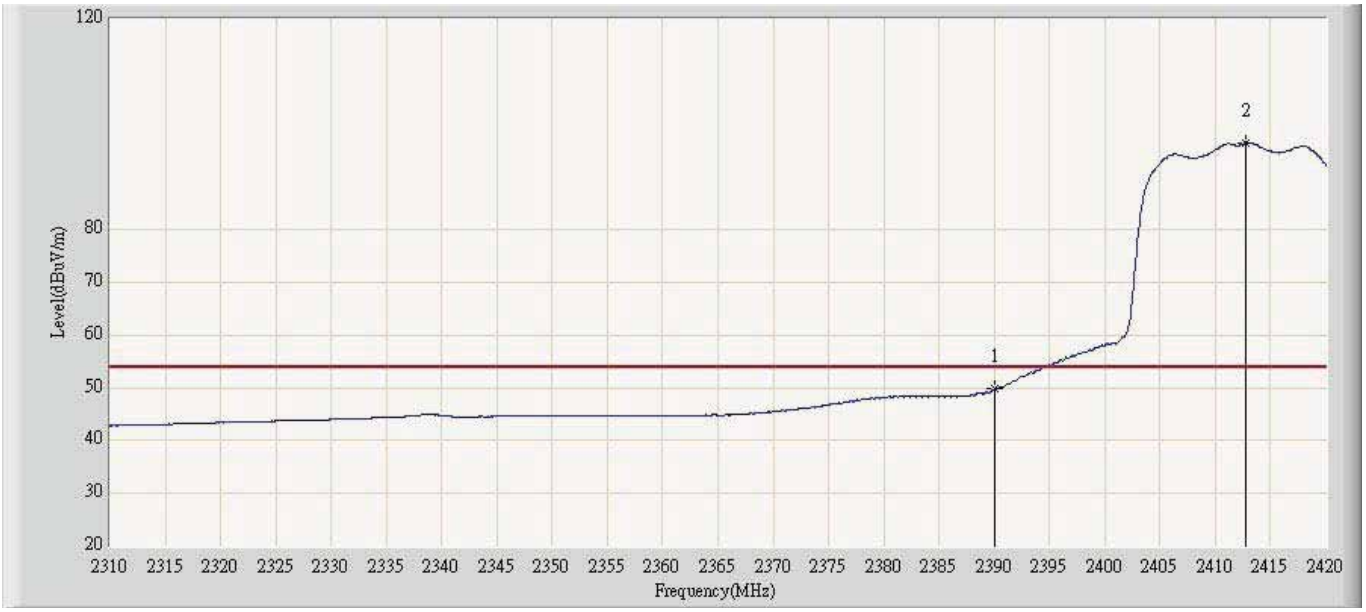
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	50.254	12.001	-3.746	54.000	38.253	AV
2		*	2411.365	93.500	55.055	N/A	N/A	38.445	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 16:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 2: Transmit at channel 2412MHz by 802.11g Ant 2	



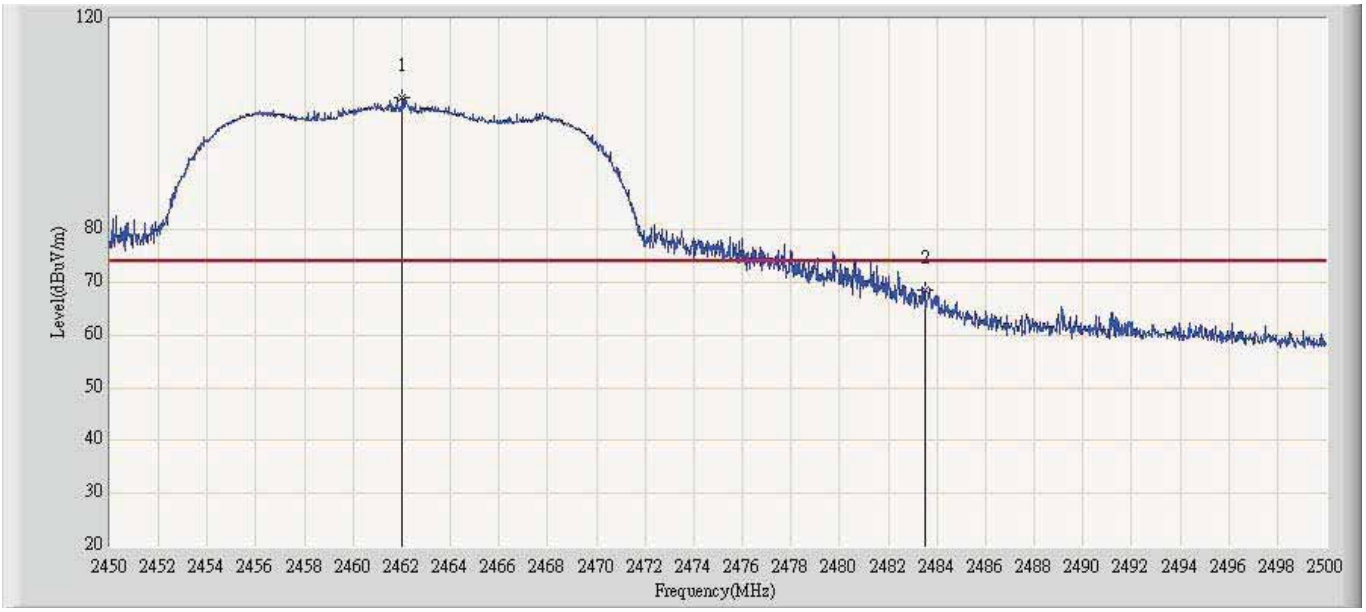
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
2			2389.475	70.778	33.187	-3.222	74.000	37.591	PK
3			2390.000	67.863	30.270	-6.137	74.000	37.593	PK
4		*	2411.695	109.328	71.628	N/A	N/A	37.700	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 16:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 2: Transmit at channel 2412MHz by 802.11g Ant 2	



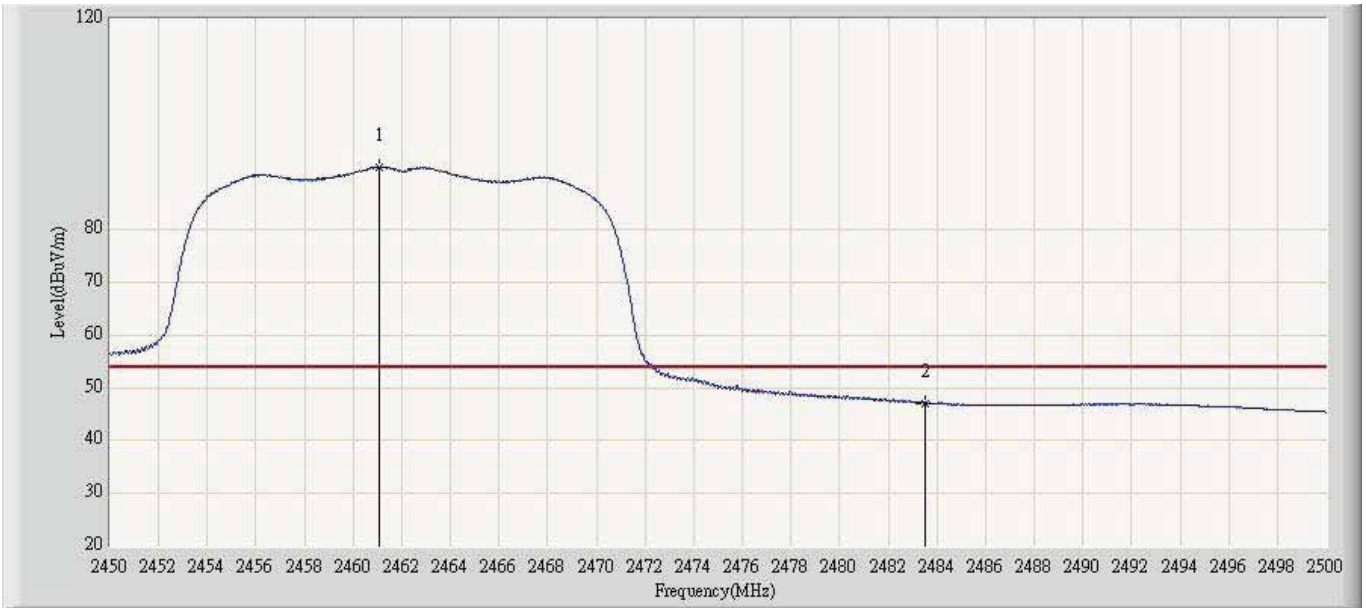
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	49.807	12.114	-4.193	54.000	37.693	AV
2		*	2412.685	96.554	58.749	N/A	N/A	37.805	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 16:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 2: Transmit at channel 2462MHz by 802.11g Ant 2	



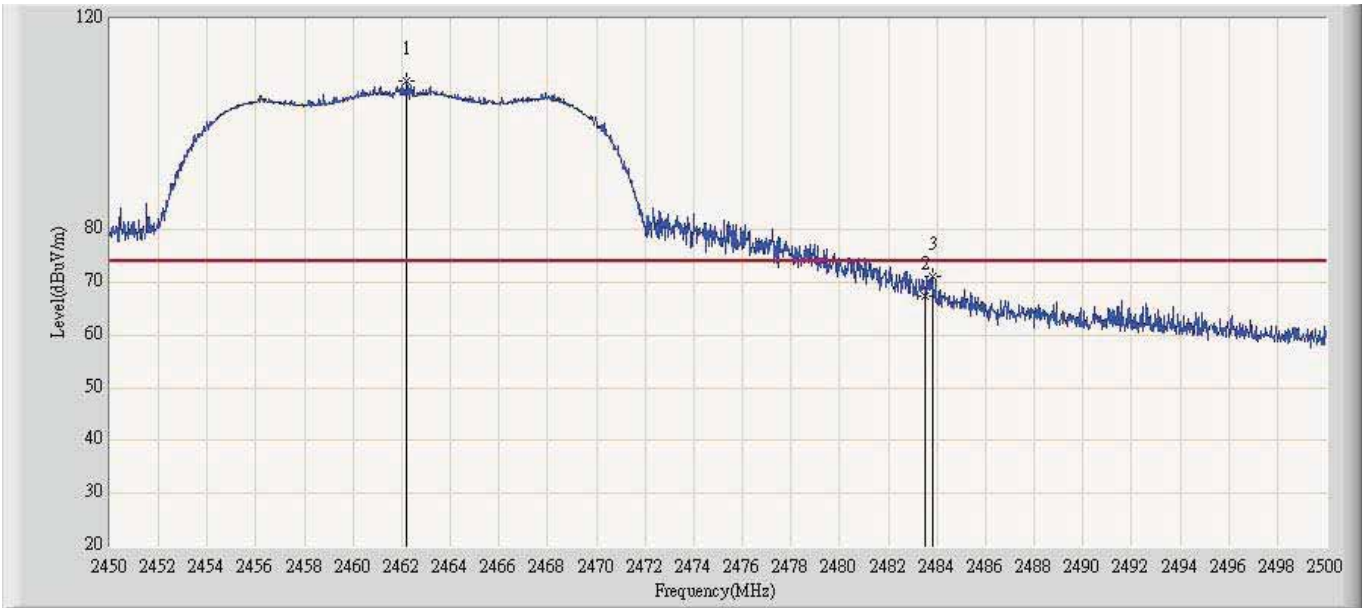
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2462.025	105.141	67.095	N/A	N/A	38.046	PK
2			2483.500	68.444	30.294	-5.556	74.000	38.150	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 16:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 2: Transmit at channel 2462MHz by 802.11g Ant 2	



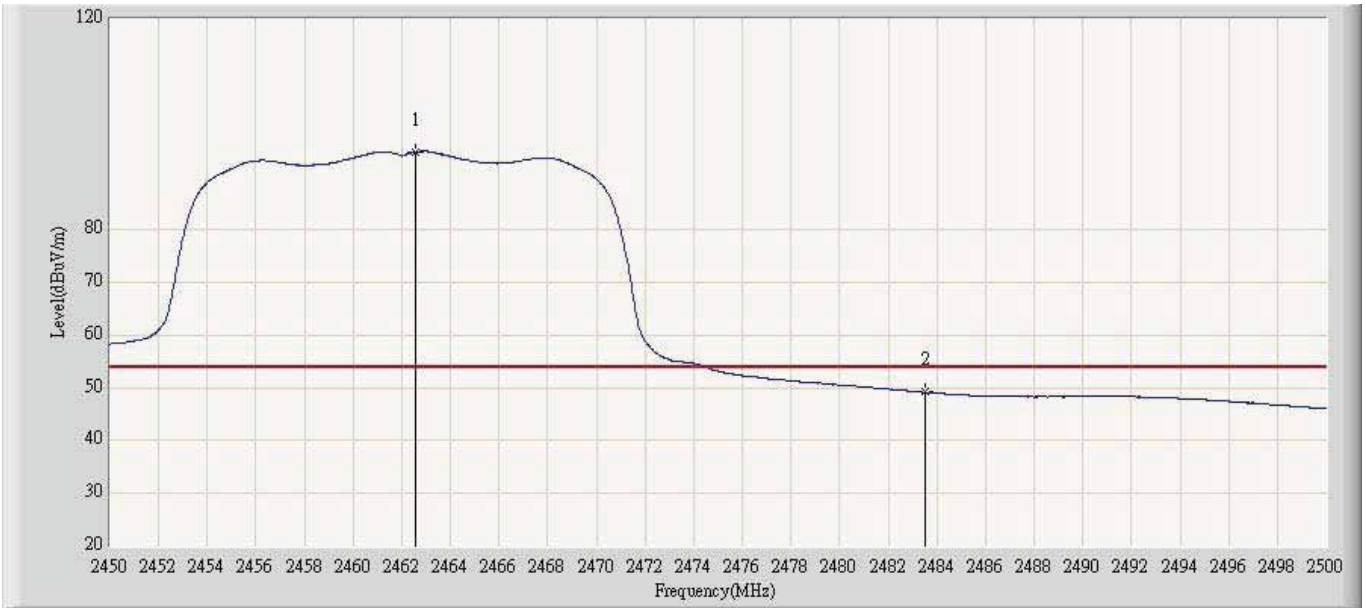
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.075	91.913	53.027	N/A	N/A	38.886	AV
2			2483.500	47.151	8.067	-6.849	54.000	39.084	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 16:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 2: Transmit at channel 2462MHz by 802.11g Ant 2	



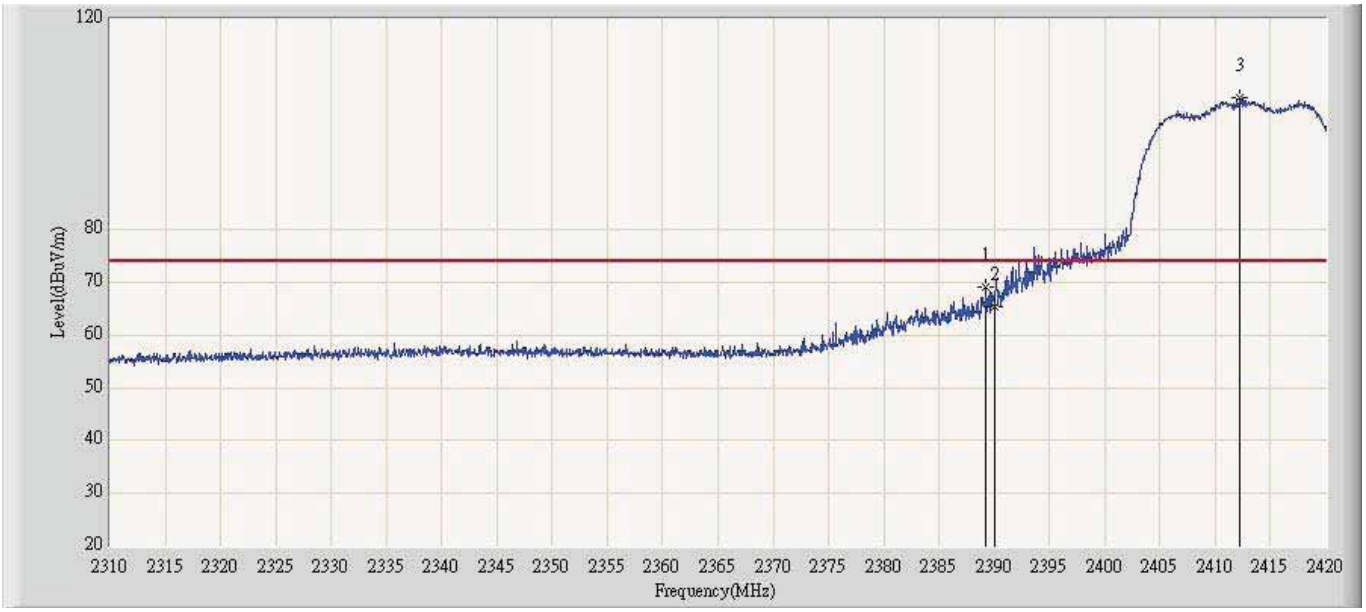
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2462.200	108.213	70.166	N/A	N/A	38.047	PK
2			2483.500	67.342	29.192	-6.658	74.000	38.150	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 17:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 2: Transmit at channel 2462MHz by 802.11g Ant 2	



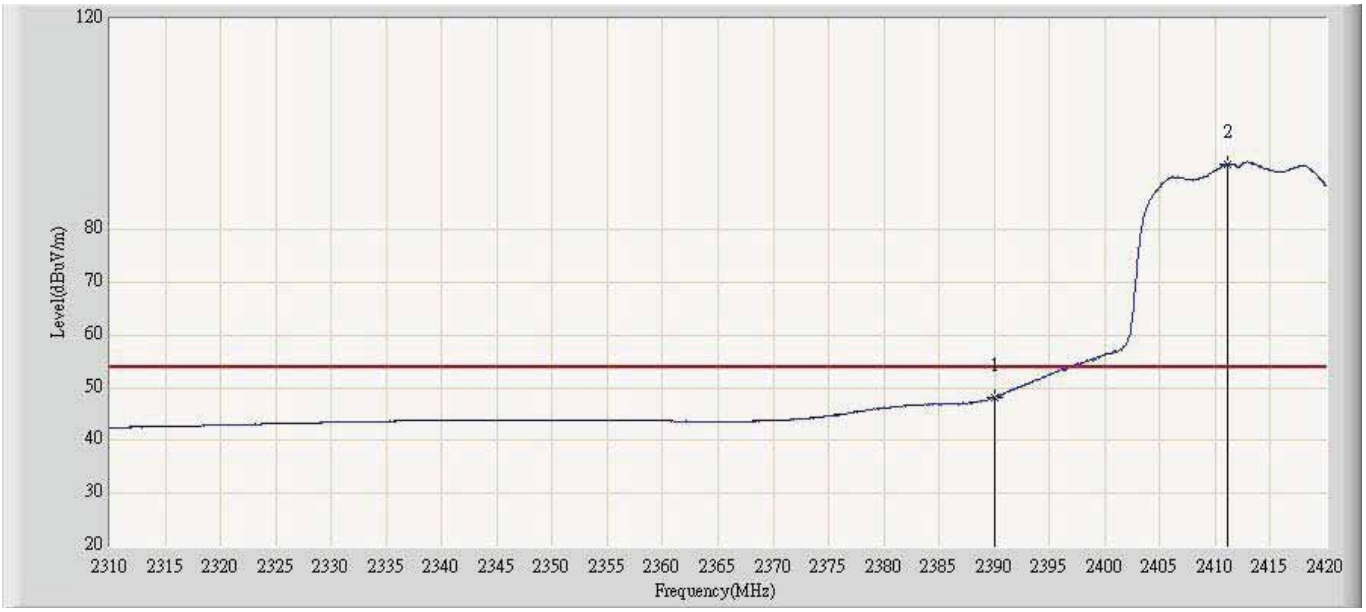
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2462.575	94.742	56.693	N/A	N/A	38.049	AV
2			2483.500	49.171	11.021	-4.829	54.000	38.150	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 17:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2412MHz by 802.11n(20MHz) Ant 2	



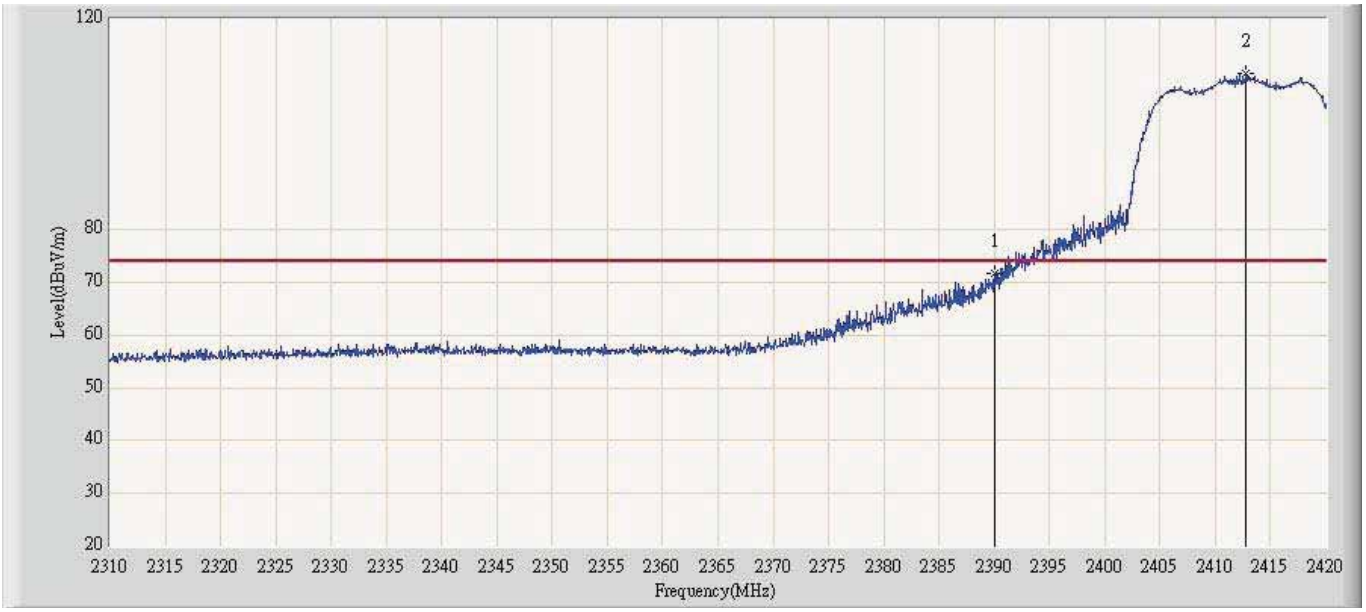
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2389.255	69.250	31.561	-4.750	74.000	37.689	PK
2			2390.000	65.505	27.812	-8.495	74.000	37.693	PK
3		*	2412.245	104.954	67.151	N/A	N/A	37.803	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 17:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2412MHz by 802.11n(20MHz) Ant 2	



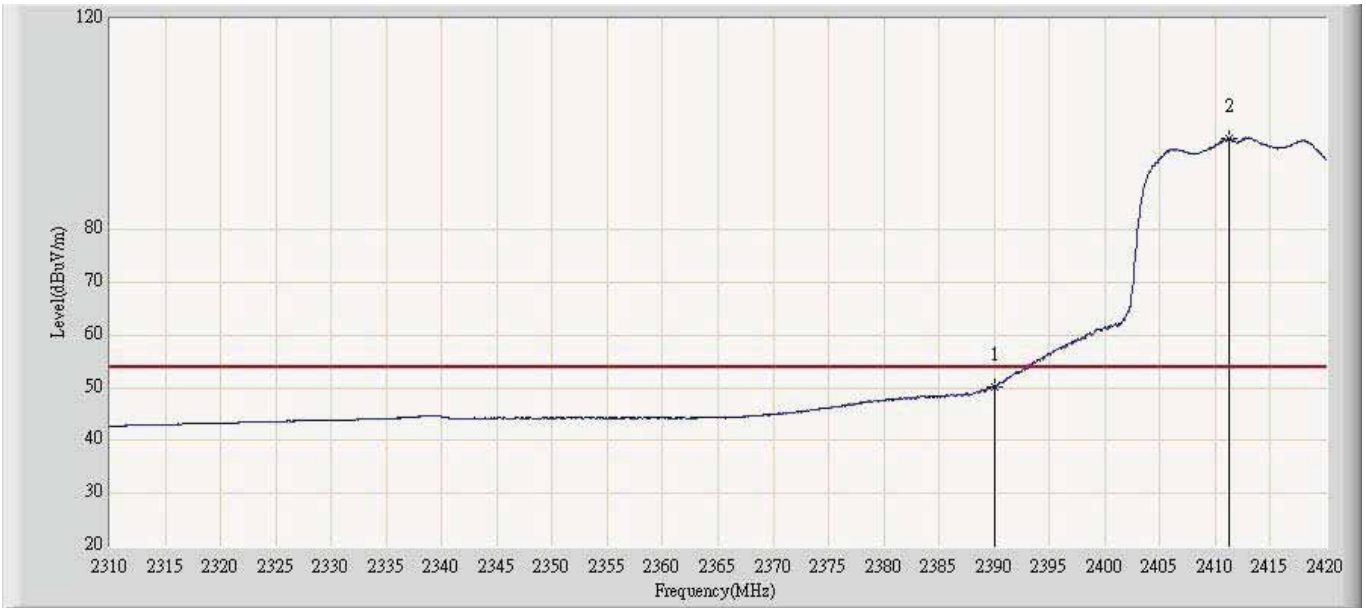
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	48.142	10.449	-5.858	54.000	37.693	AV
2		*	2411.145	92.548	54.750	N/A	N/A	37.798	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 17:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2412MHz by 802.11n(20MHz) Ant 2	



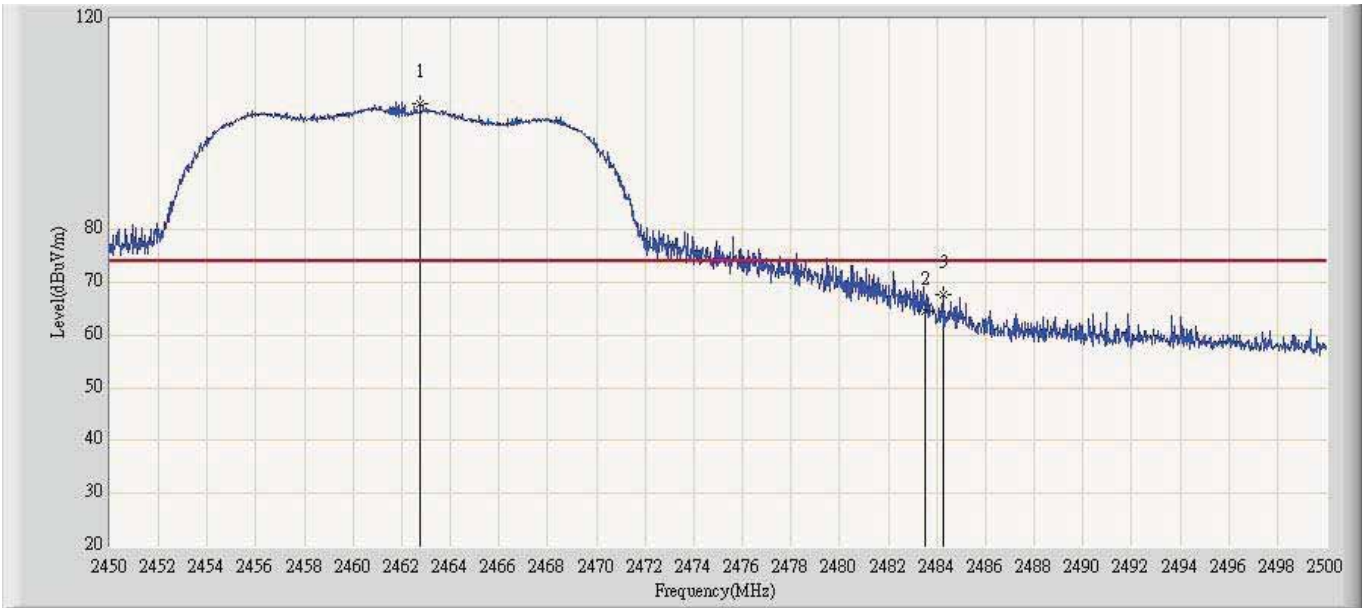
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	71.651	33.958	-2.349	74.000	37.693	PK
2		*	2412.740	109.534	71.729	N/A	N/A	37.805	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 17:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2412MHz by 802.11n(20MHz) Ant 2	



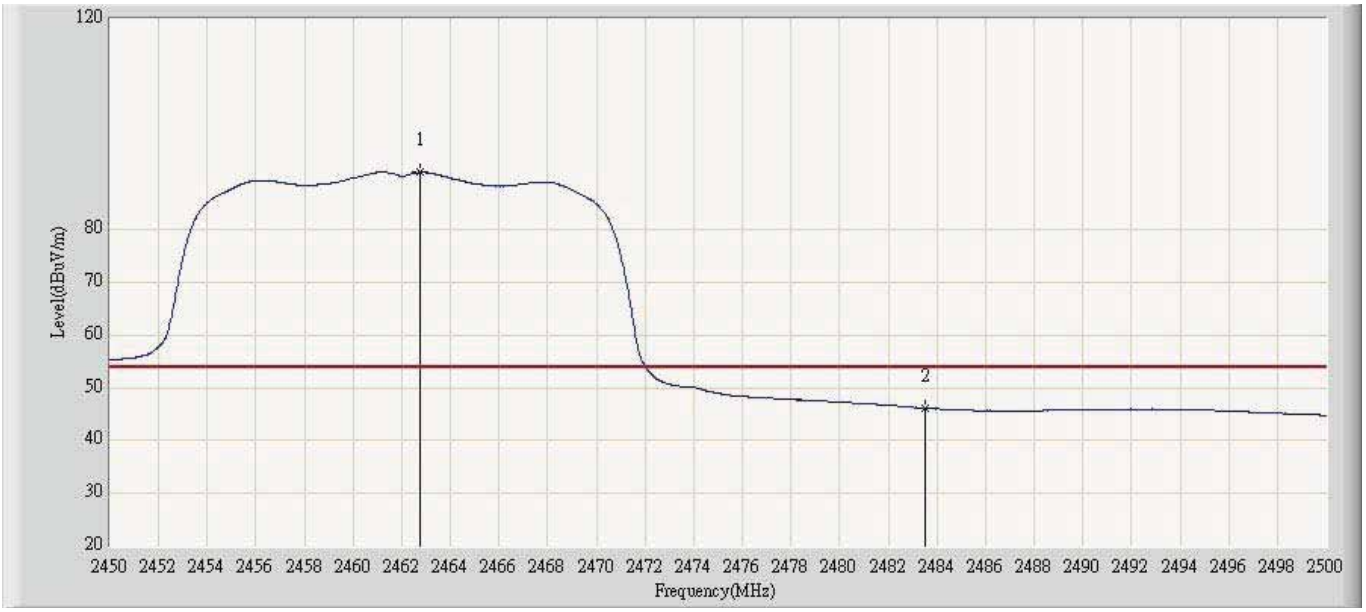
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	50.240	12.547	-3.760	54.000	37.693	AV
2		*	2411.200	97.248	59.450	N/A	N/A	37.798	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 17:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2462MHz by 802.11n(20MHz) Ant 2	



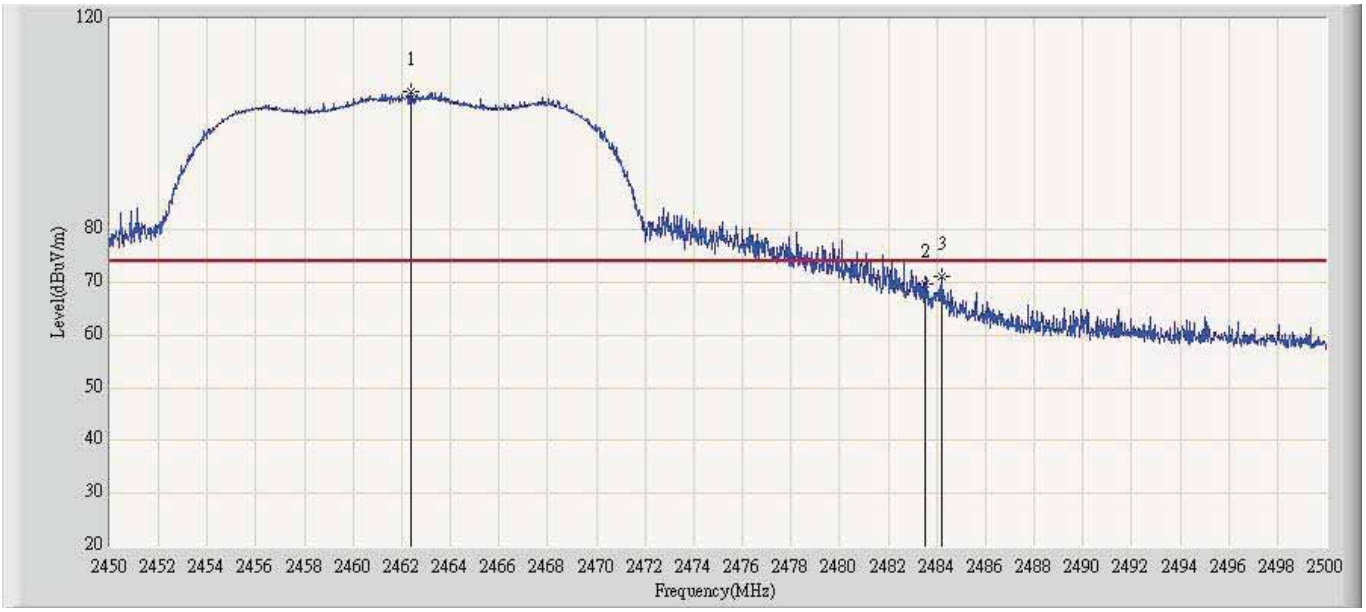
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2462.750	104.022	65.972	N/A	N/A	38.050	PK
2			2483.500	64.427	26.277	-9.573	74.000	38.150	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 17:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2462MHz by 802.11n(20MHz) Ant 2	



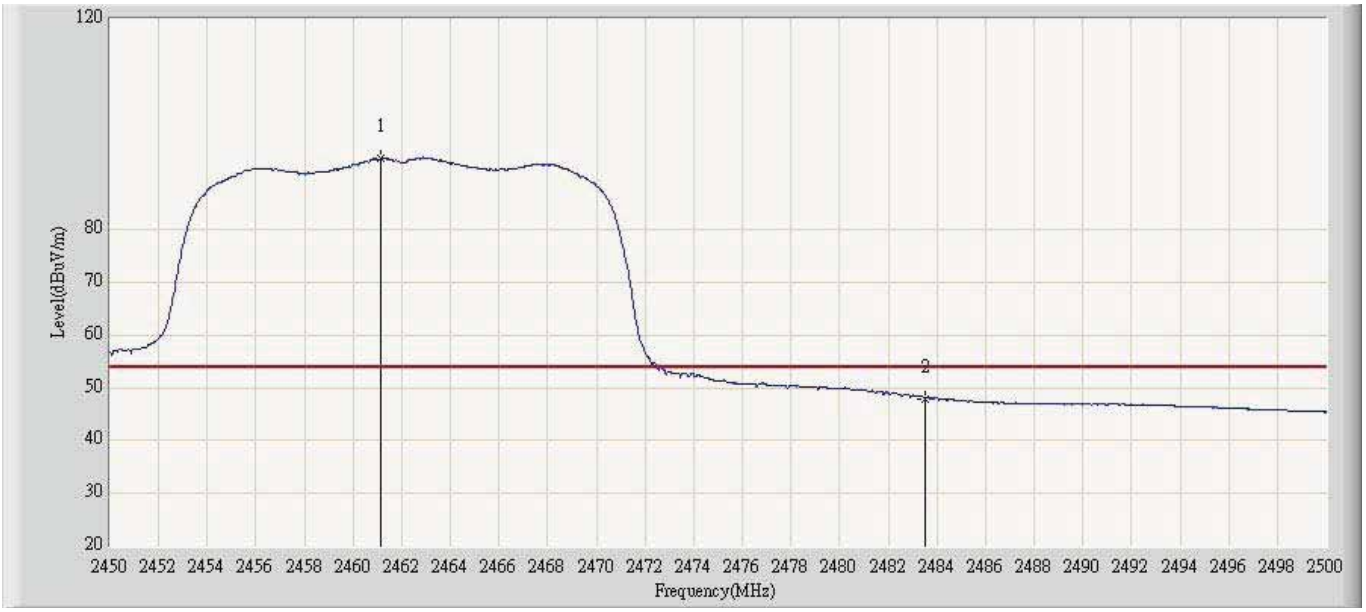
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2462.725	90.842	52.792	N/A	N/A	38.050	AV
2			2483.500	46.203	8.053	-7.797	54.000	38.150	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 17:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2462MHz by 802.11n(20MHz) Ant 2	



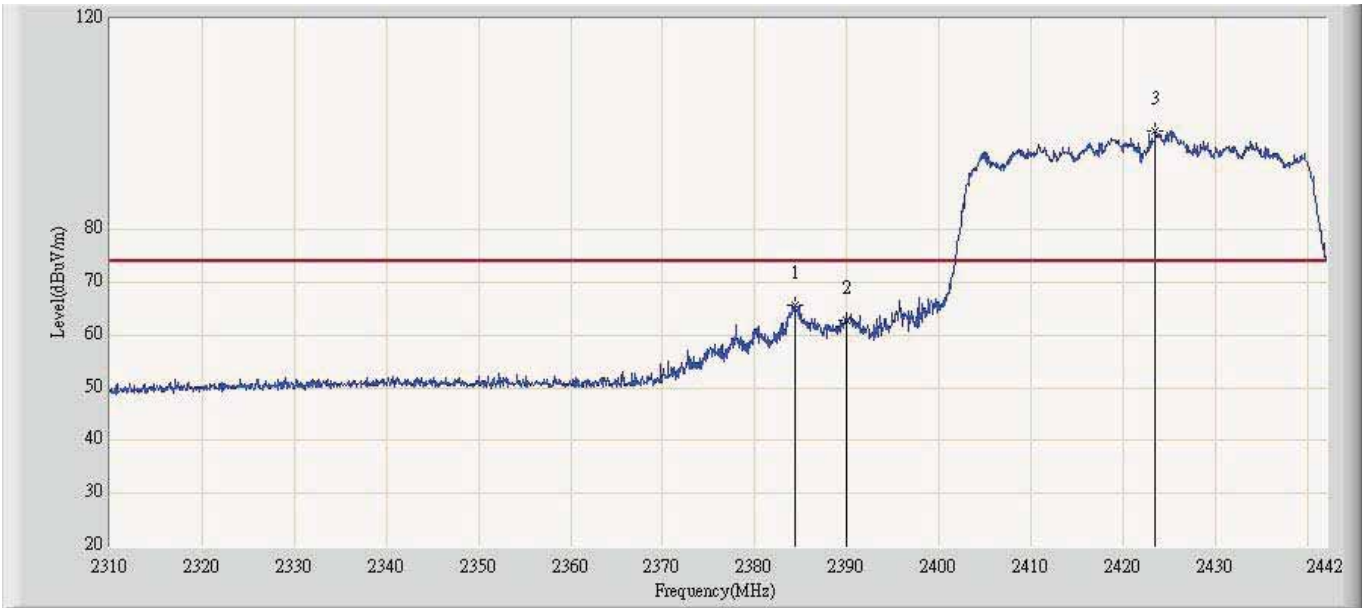
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2462.400	106.245	68.197	N/A	N/A	38.048	PK
2			2483.500	69.813	31.663	-4.187	74.000	38.150	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 17:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2462MHz by 802.11n(20MHz) Ant 2	



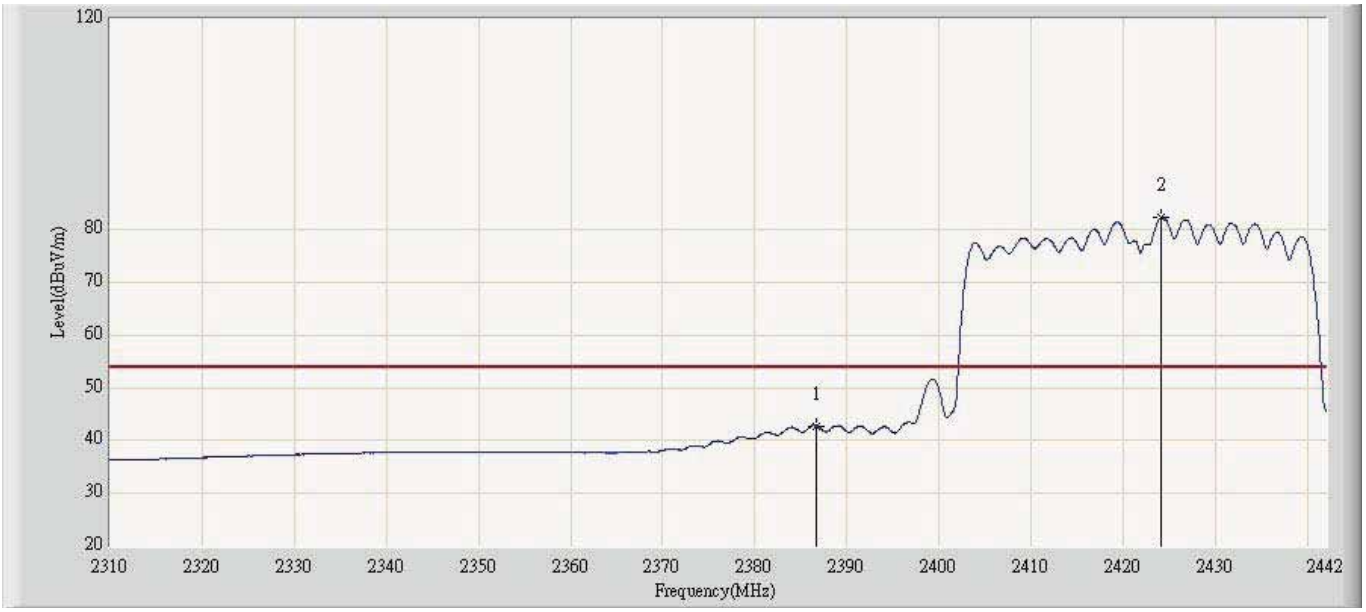
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.125	93.449	55.407	N/A	N/A	38.042	AV
2			2483.500	47.996	9.846	-6.004	54.000	38.150	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 18:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2422MHz by 802.11n(40MHz) Ant 2	



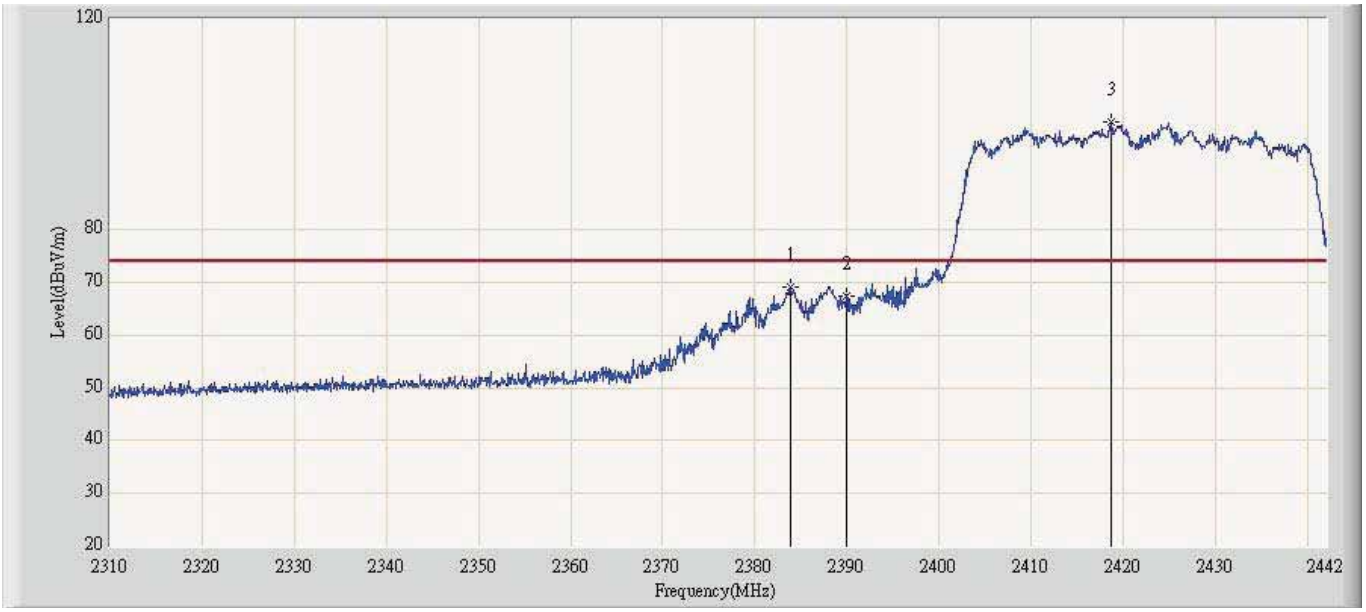
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2384.382	65.665	28.000	-8.335	74.000	37.665	PK
2			2390.000	62.858	25.165	-11.142	74.000	37.693	PK
3		*	2423.454	98.871	61.012	N/A	N/A	37.859	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 18:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2422MHz by 802.11n(40MHz) Ant 2	



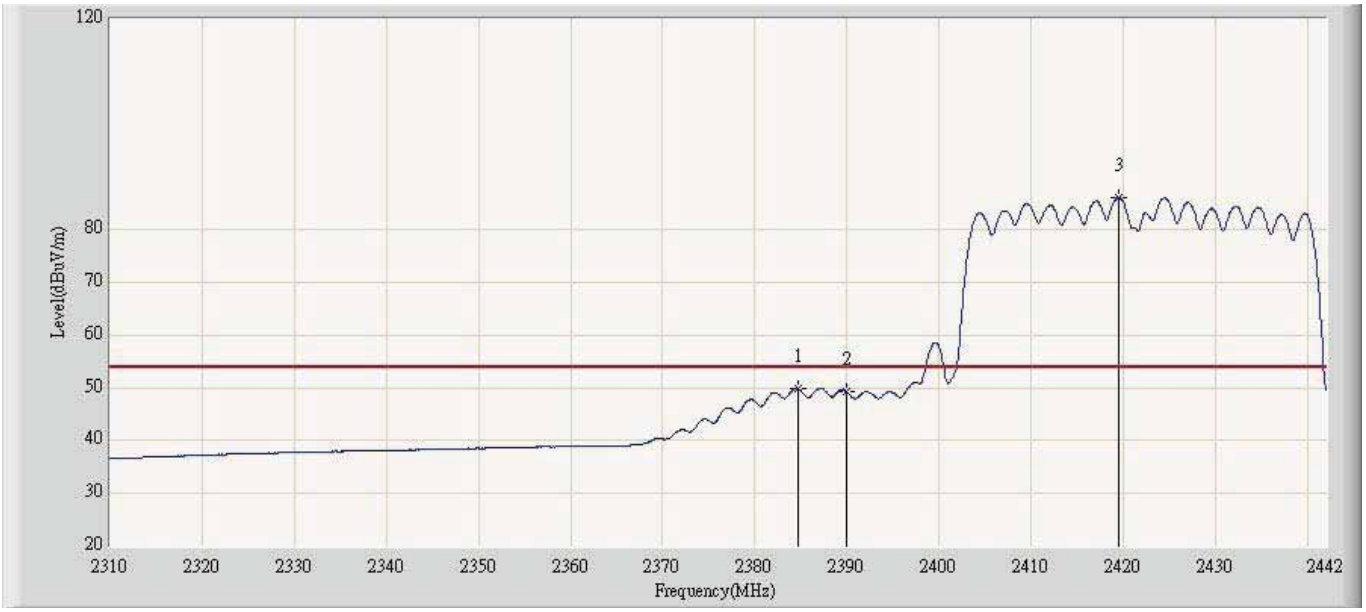
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2386.692	42.827	5.150	-11.173	54.000	37.677	AV
2		*	2424.114	82.309	44.447	N/A	N/A	37.862	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 18:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2422MHz by 802.11n(40MHz) Ant 2	



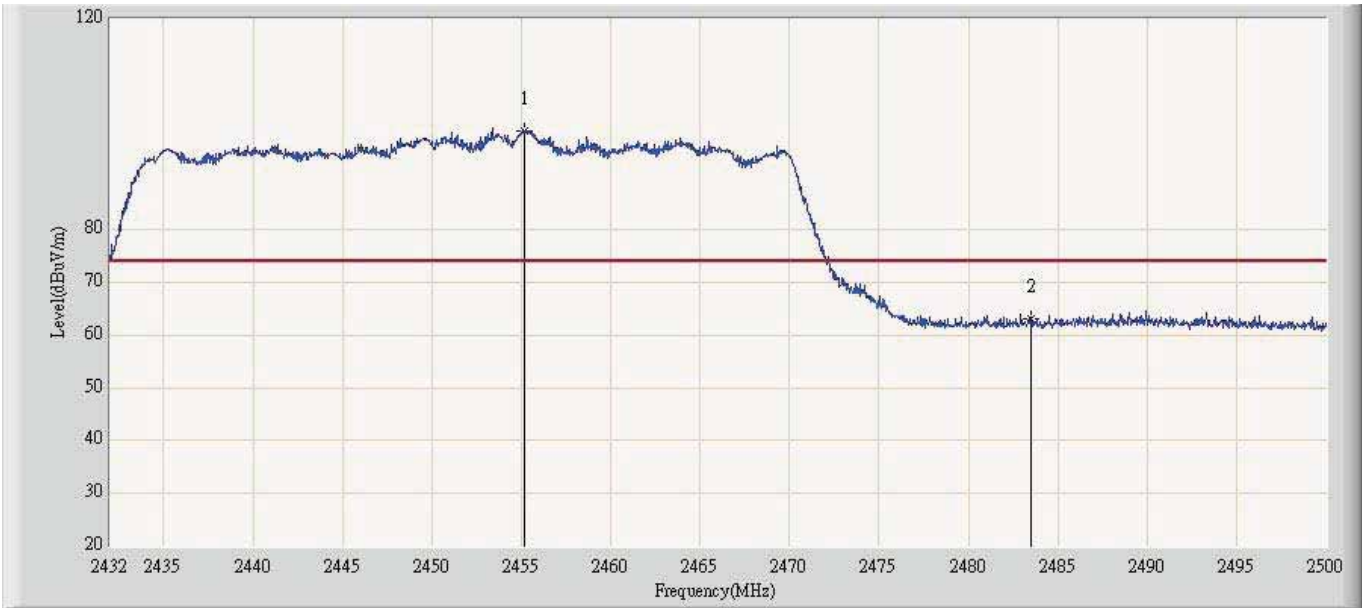
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2383.854	69.138	31.474	-4.862	74.000	37.664	PK
2			2390.000	67.504	29.811	-6.496	74.000	37.693	PK
3		*	2418.636	100.435	62.601	N/A	N/A	37.834	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 18:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2422MHz by 802.11n(40MHz) Ant 2	



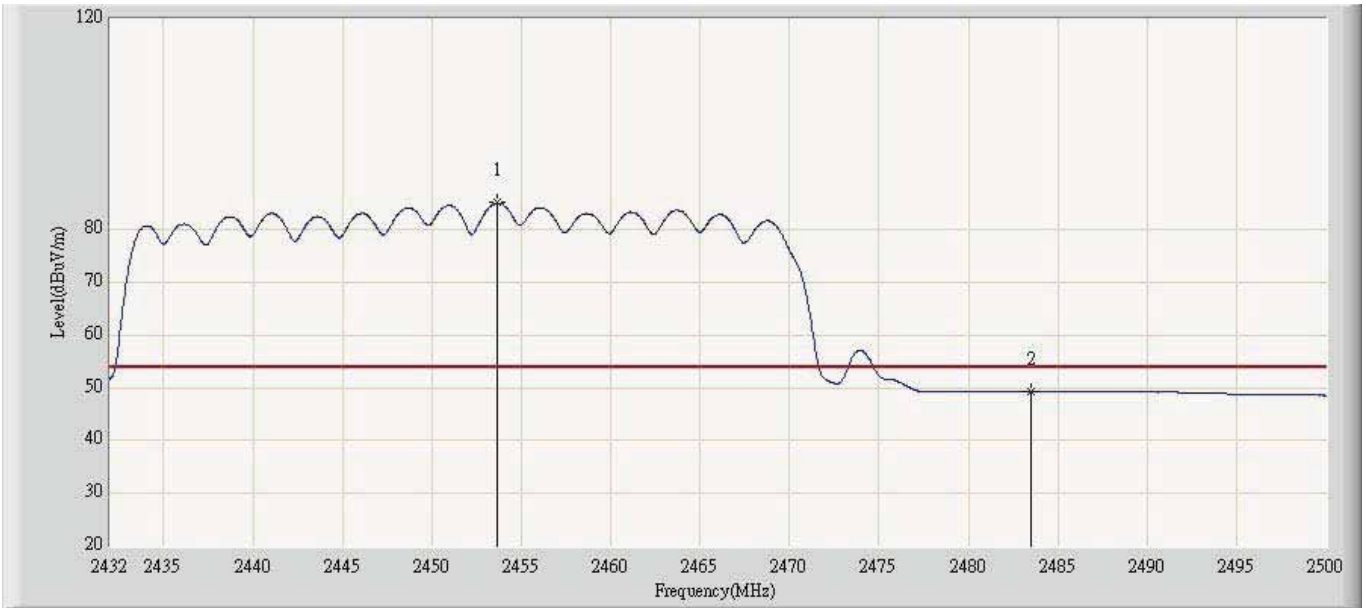
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2384.646	49.882	12.215	-4.118	54.000	37.667	AV
2			2390.000	49.241	11.548	-4.759	54.000	37.693	AV
3		*	2419.560	86.191	48.351	N/A	N/A	37.840	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 18:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2452MHz by 802.11n(40MHz) Ant 2	



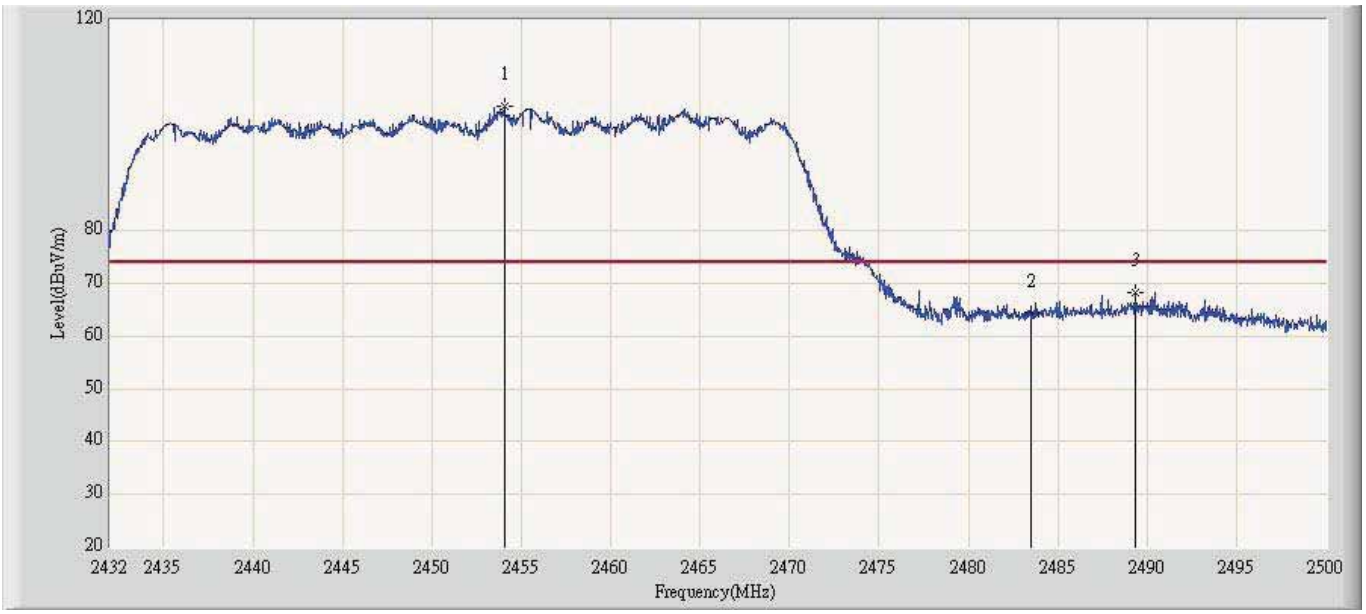
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2455.188	98.740	60.726	N/A	N/A	38.014	PK
2			2483.500	63.025	24.875	-10.975	74.000	38.150	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 18:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2452MHz by 802.11n(40MHz) Ant 2	



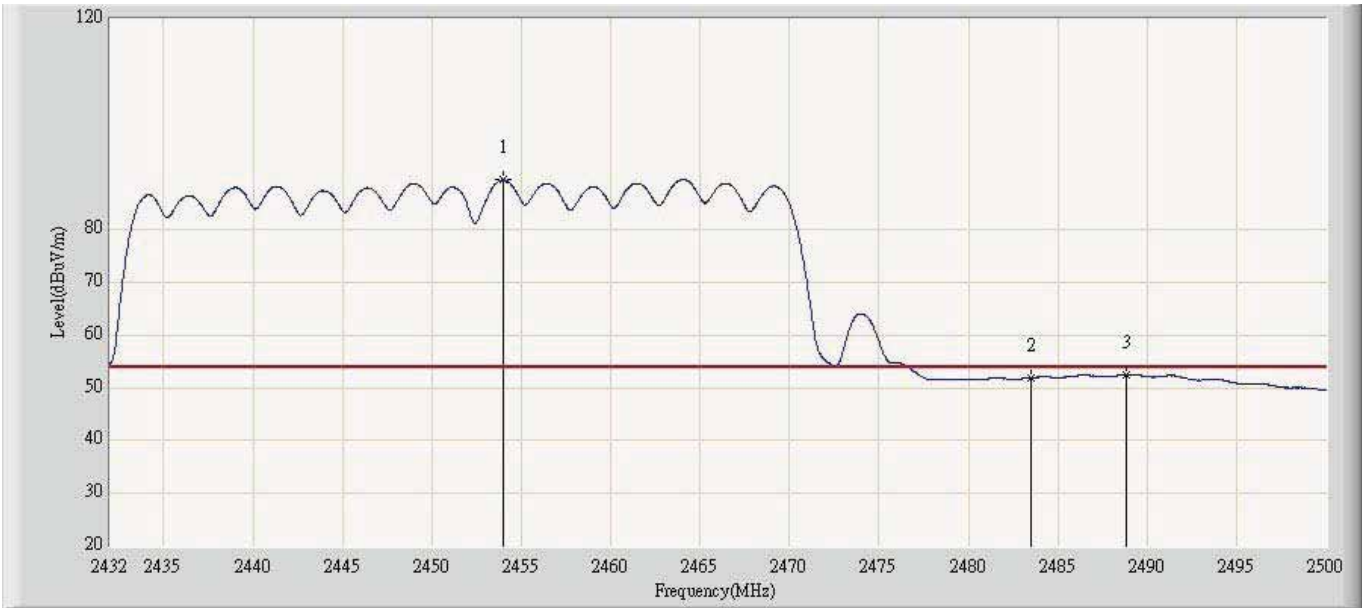
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2453.658	85.098	47.092	N/A	N/A	38.006	AV
2			2483.500	49.343	11.193	-4.657	54.000	38.150	AV

Profile: 2014.7.17	Page No.: 189
Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 18:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2452MHz by 802.11n(40MHz) Ant 2	



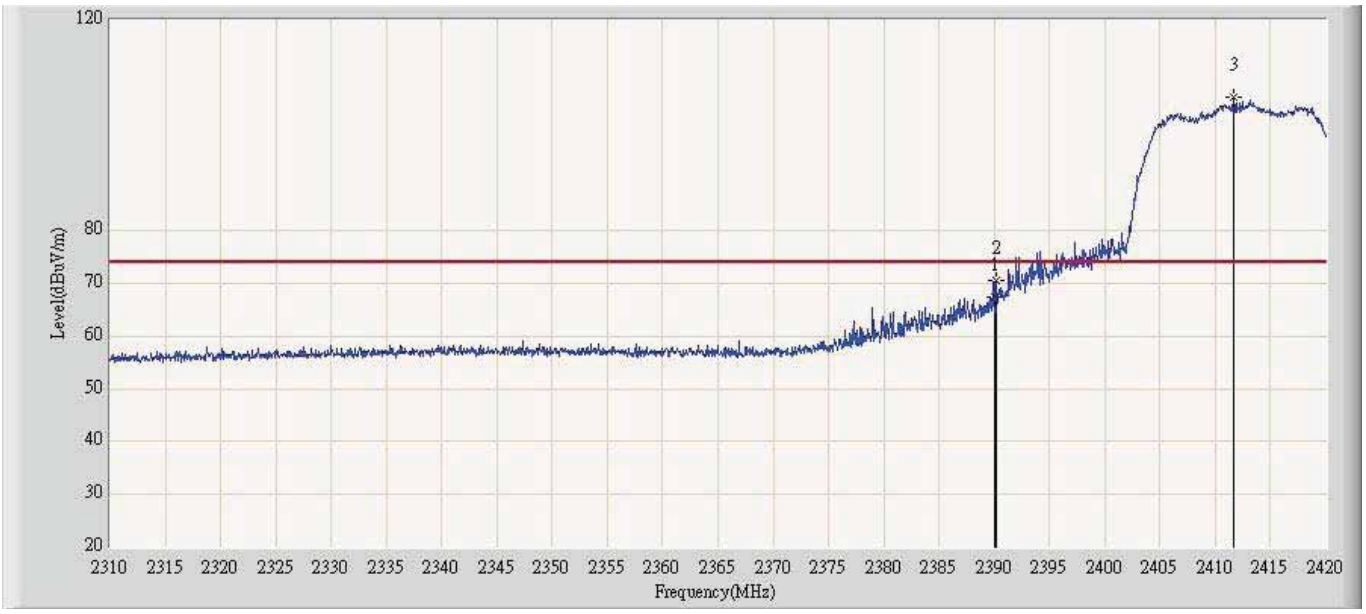
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2454.066	103.687	65.679	N/A	N/A	38.009	PK
2			2483.500	64.247	26.097	-9.753	74.000	38.150	PK
3			2489.324	68.301	30.121	-5.699	74.000	38.180	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 18:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2452MHz by 802.11n(40MHz) Ant 2	



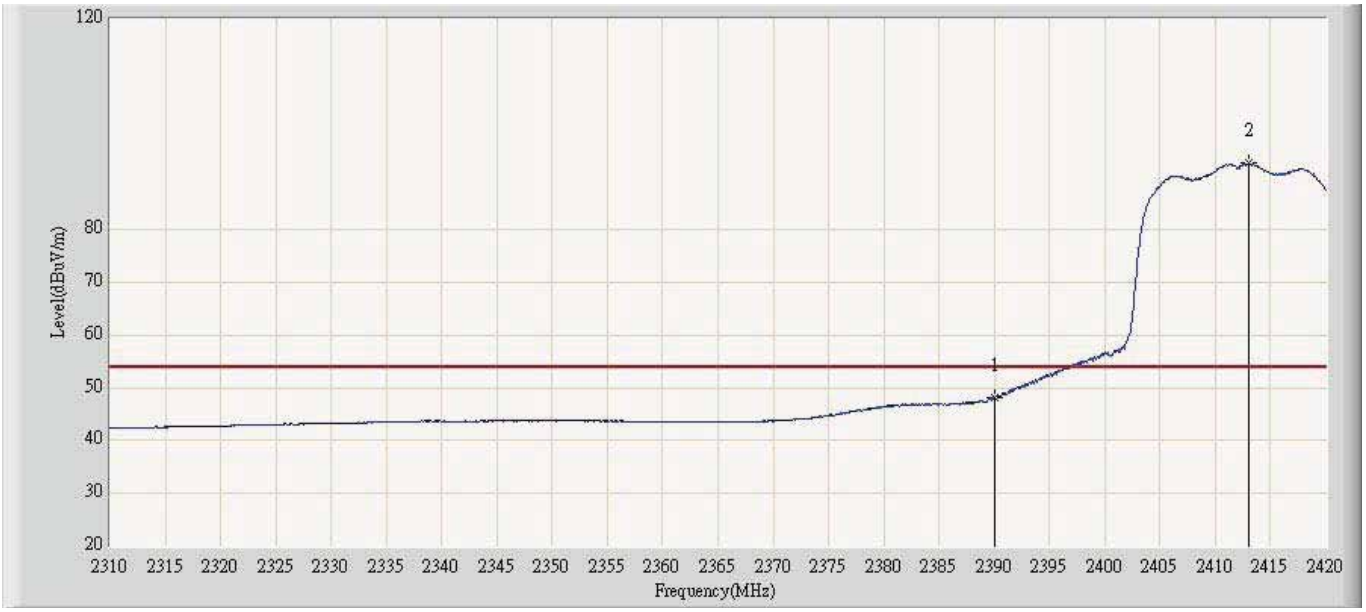
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2453.964	89.432	51.424	N/A	N/A	38.008	AV
2			2483.500	51.923	13.773	-2.077	54.000	38.150	AV
3			2488.848	52.553	14.376	-1.447	54.000	38.177	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 17:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2412MHz by 802.11n(20MHz) Ant 1+2 Keeping MIMO transmitting mode	



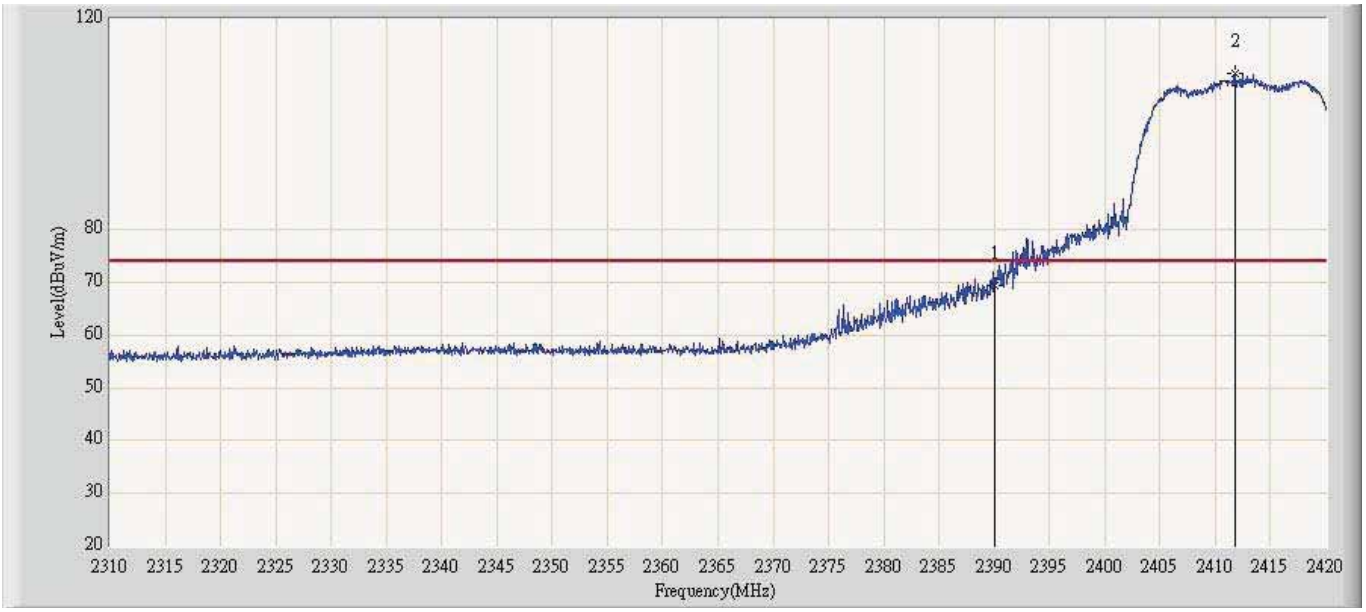
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	67.501	29.808	-6.499	74.000	37.693	PK
2			2390.135	70.504	32.811	-3.496	74.000	37.693	PK
3		*	2411.640	105.303	67.503	N/A	N/A	37.800	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 17:51
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2412MHz by 802.11n(20MHz) Ant 1+2 Keeping MIMO transmitting mode	



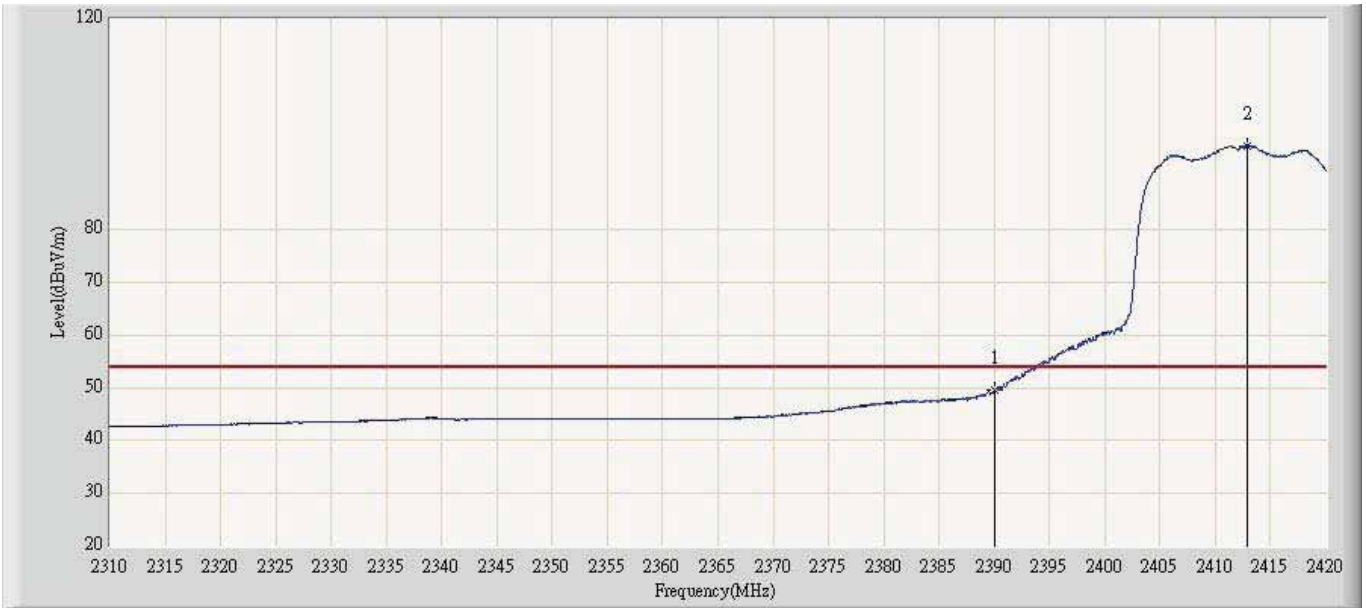
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	48.188	10.495	-5.812	54.000	37.693	AV
2		*	2412.960	92.602	54.795	N/A	N/A	37.807	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 17:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2412MHz by 802.11n(20MHz) Ant 1+2 Keeping MIMO transmitting mode	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	69.284	31.591	-4.716	74.000	37.693	PK
2		*	2411.805	109.610	71.809	N/A	N/A	37.801	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 17:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2412MHz by 802.11n(20MHz) Ant 1+2 Keeping MIMO transmitting mode	

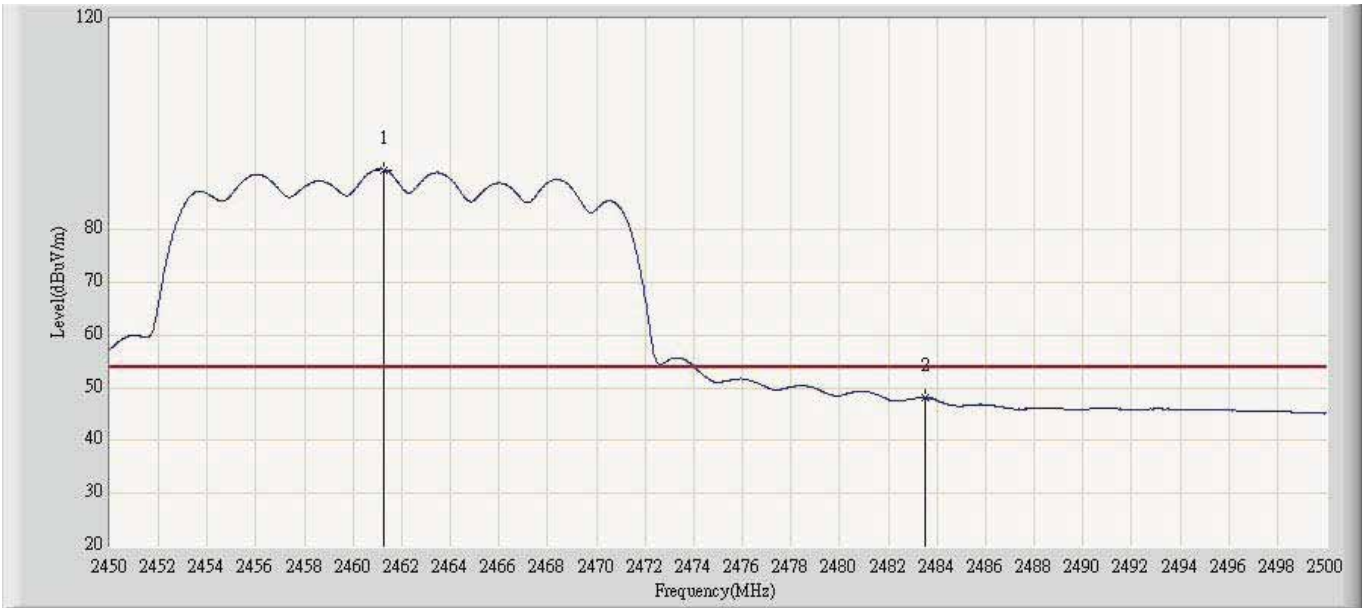


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	49.573	11.880	-4.427	54.000	37.693	AV
2		*	2412.905	95.988	58.181	N/A	N/A	37.807	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 17:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2462MHz by 802.11n(20MHz) Ant 1+2 Keeping MIMO transmitting mode	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.400	104.772	66.728	N/A	N/A	38.044	PK
2			2483.500	66.641	28.491	-7.359	74.000	38.150	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 17:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2462MHz by 802.11n(20MHz) Ant 1+2 Keeping MIMO transmitting mode	

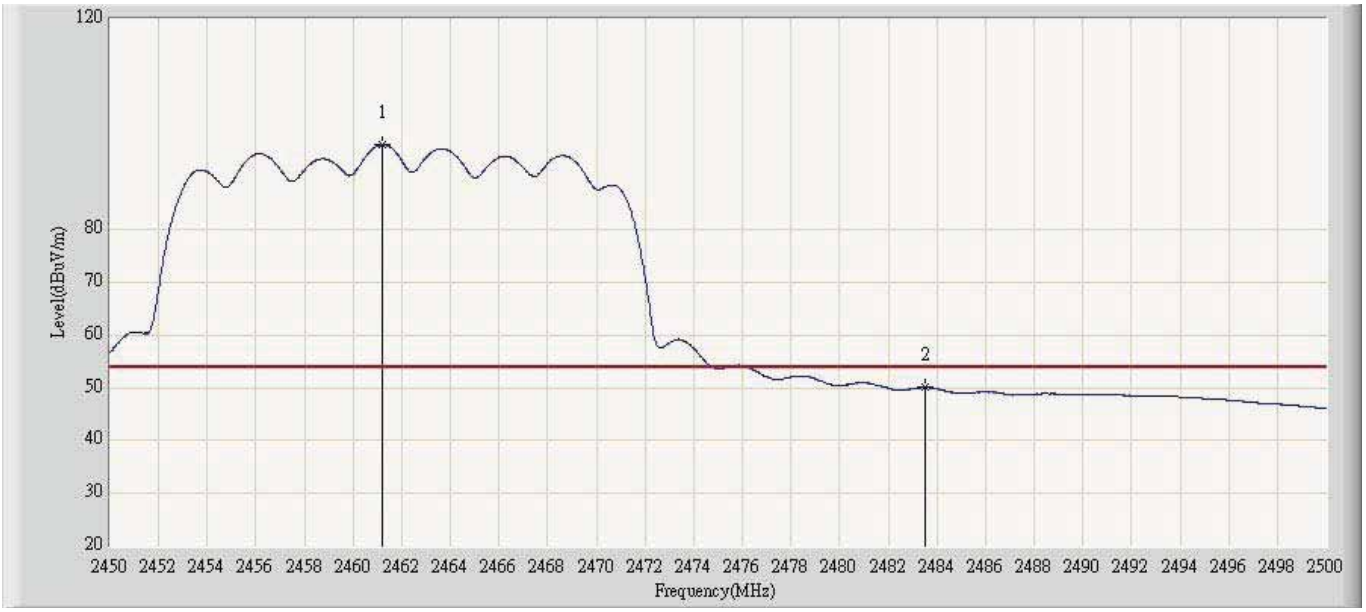


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.250	91.369	53.327	N/A	N/A	38.042	AV
2			2483.500	48.123	9.973	-5.876	54.000	38.150	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 17:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2462MHz by 802.11n(20MHz) Ant 1+2 Keeping MIMO transmitting mode	

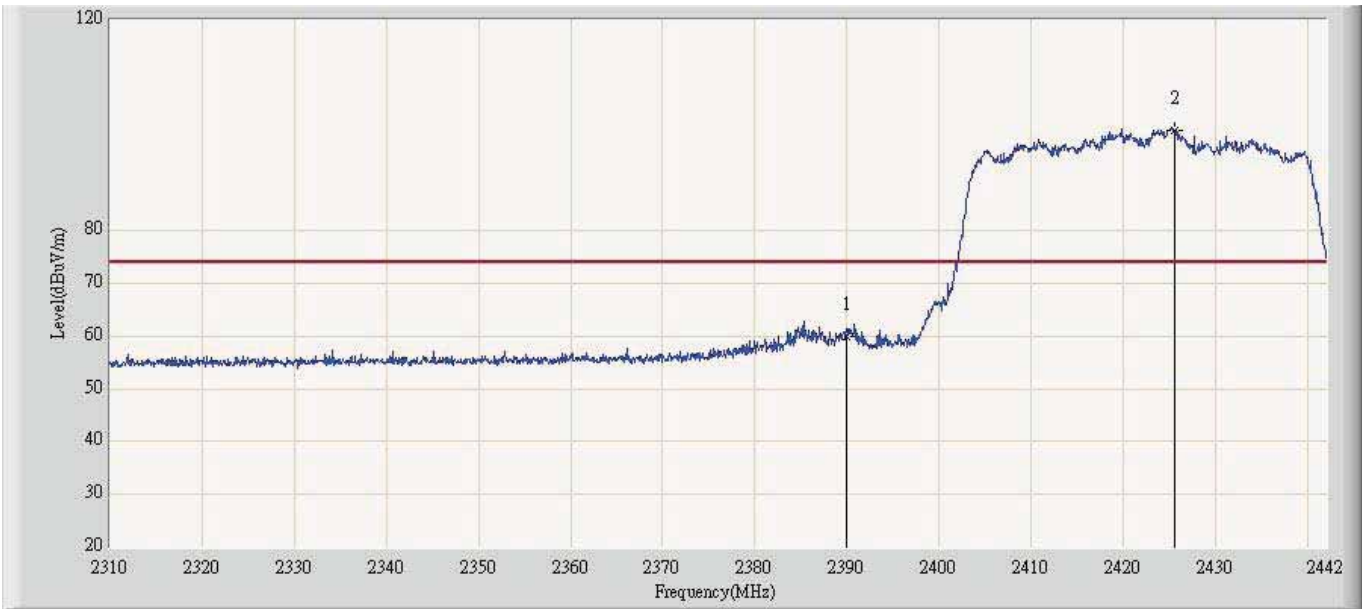
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2460.975	108.383	70.342	N/A	N/A	38.041	PK
2			2483.500	68.305	30.155	-5.695	74.000	38.150	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 18:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 3: Transmit at channel 2462MHz by 802.11n(20MHz) Ant 1+2 Keeping MIMO transmitting mode	



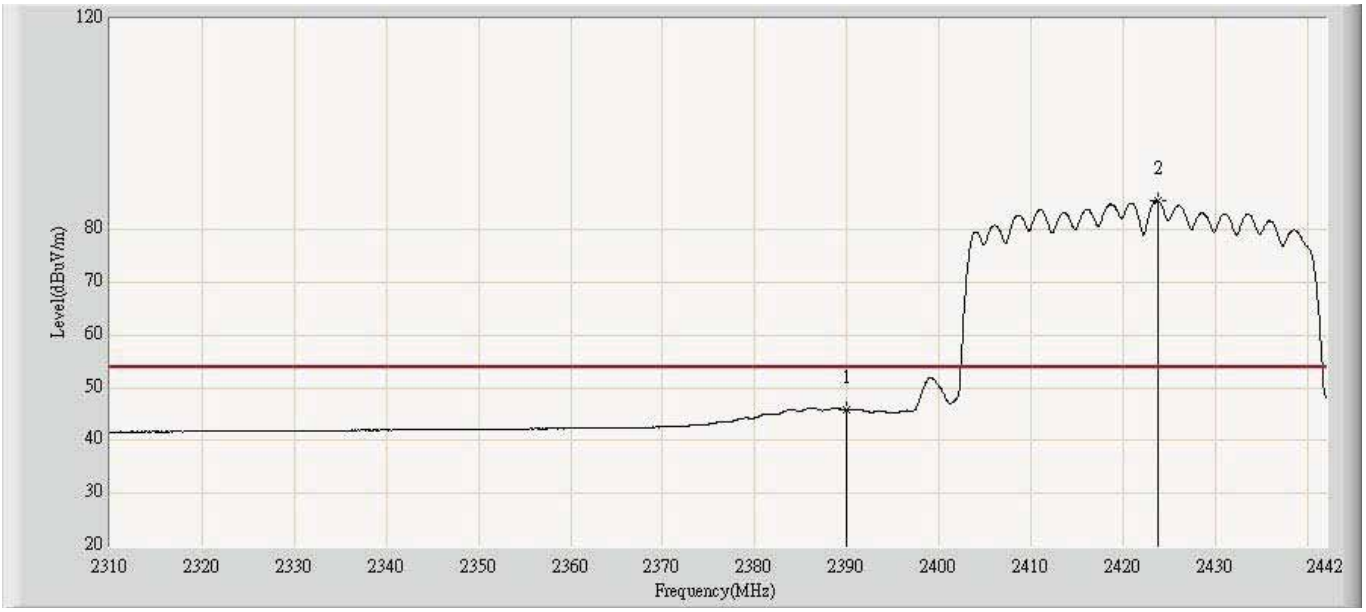
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.175	96.058	58.016	N/A	N/A	38.042	AV
2			2483.500	50.093	11.943	-3.907	54.000	38.150	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 18:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2422MHz by 802.11n(40MHz) Ant 1+2 Keeping MIMO transmitting mode	



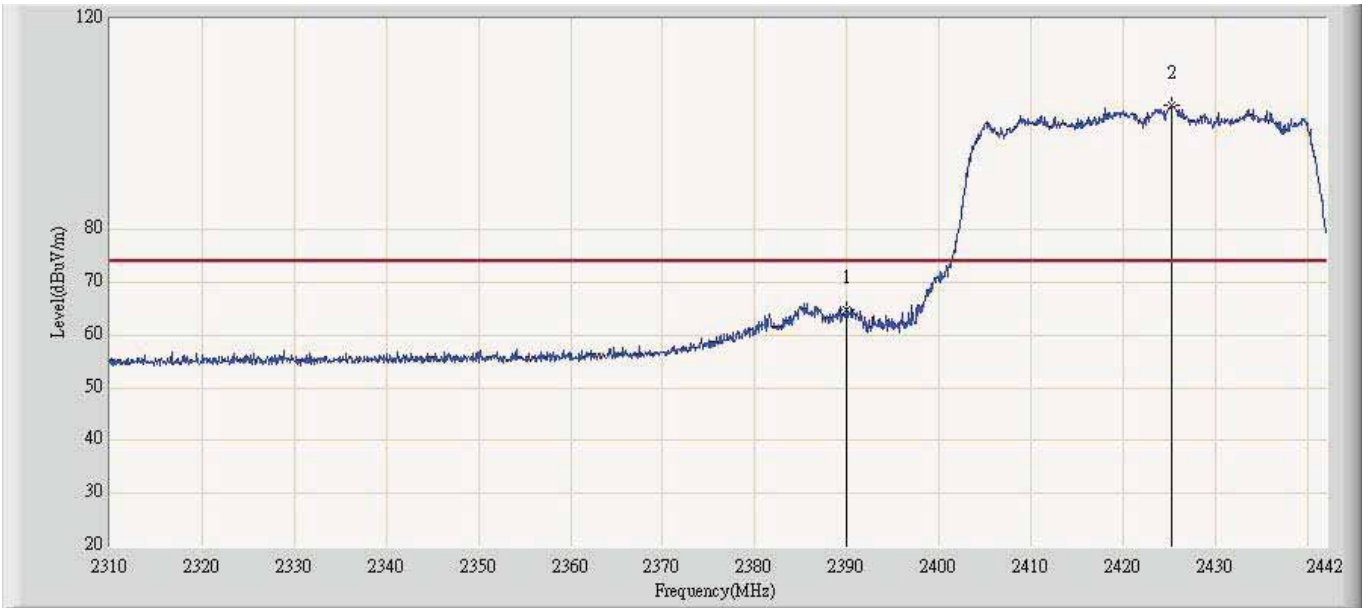
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	59.902	22.209	-14.098	74.000	37.693	PK
2		*	2425.500	99.041	61.172	N/A	N/A	37.869	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 18:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2422MHz by 802.11n(40MHz) Ant 1+2 Keeping MIMO transmitting mode	



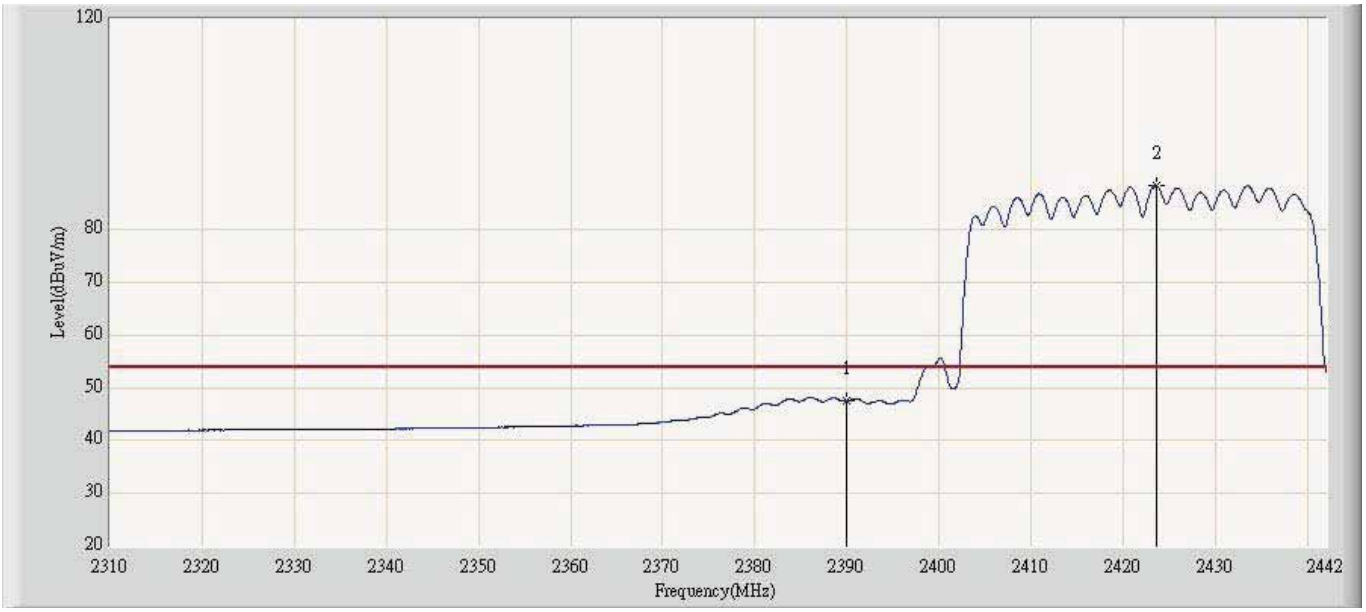
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	45.742	8.049	-8.258	54.000	37.693	AV
2		*	2423.850	85.405	47.544	N/A	N/A	37.861	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 18:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2422MHz by 802.11n(40MHz) Ant 1+2 Keeping MIMO transmitting mode	



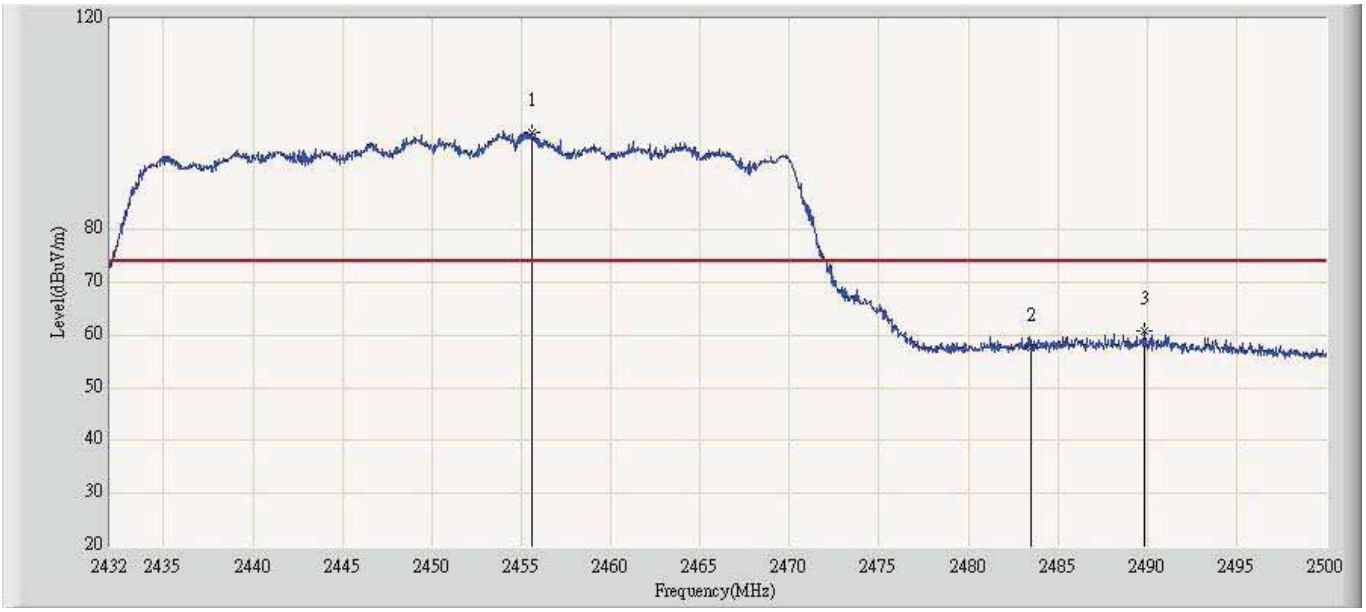
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	64.855	27.162	-9.145	74.000	37.693	PK
2		*	2425.236	103.544	65.677	N/A	N/A	37.867	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 18:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2422MHz by 802.11n(40MHz) Ant 1+2 Keeping MIMO transmitting mode	



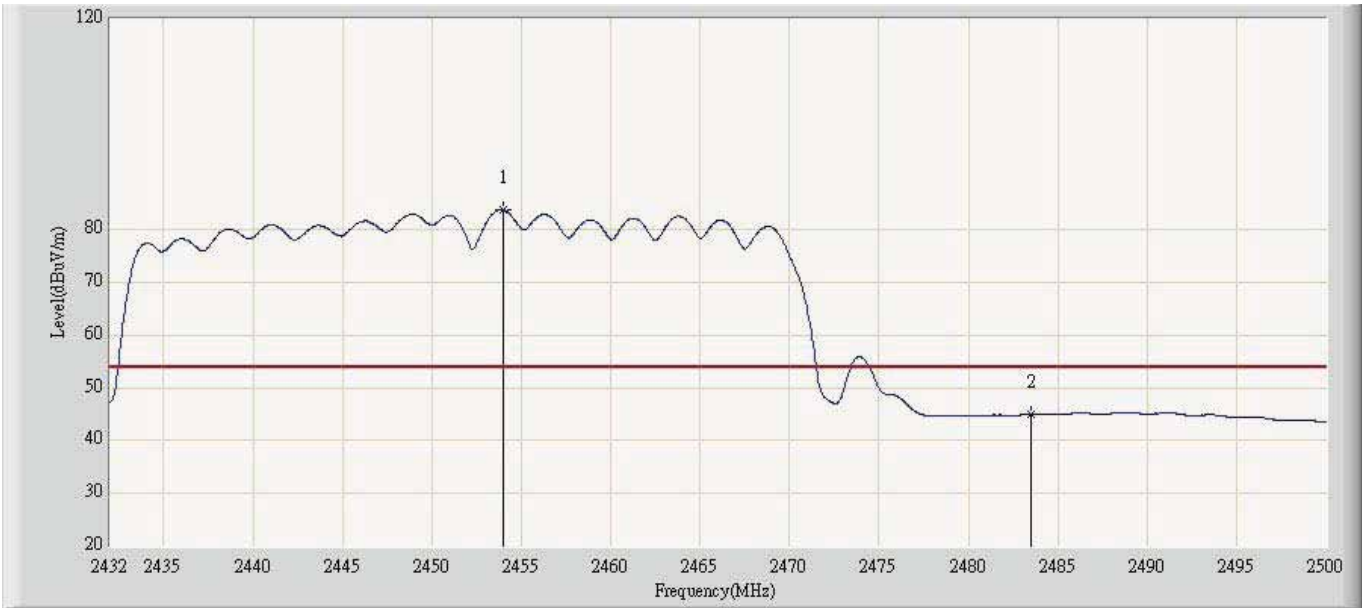
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	47.468	9.775	-6.532	54.000	37.693	AV
2		*	2423.652	88.343	50.484	N/A	N/A	37.859	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 18:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2452MHz by 802.11n(40MHz) Ant 1+2 Keeping MIMO transmitting mode	



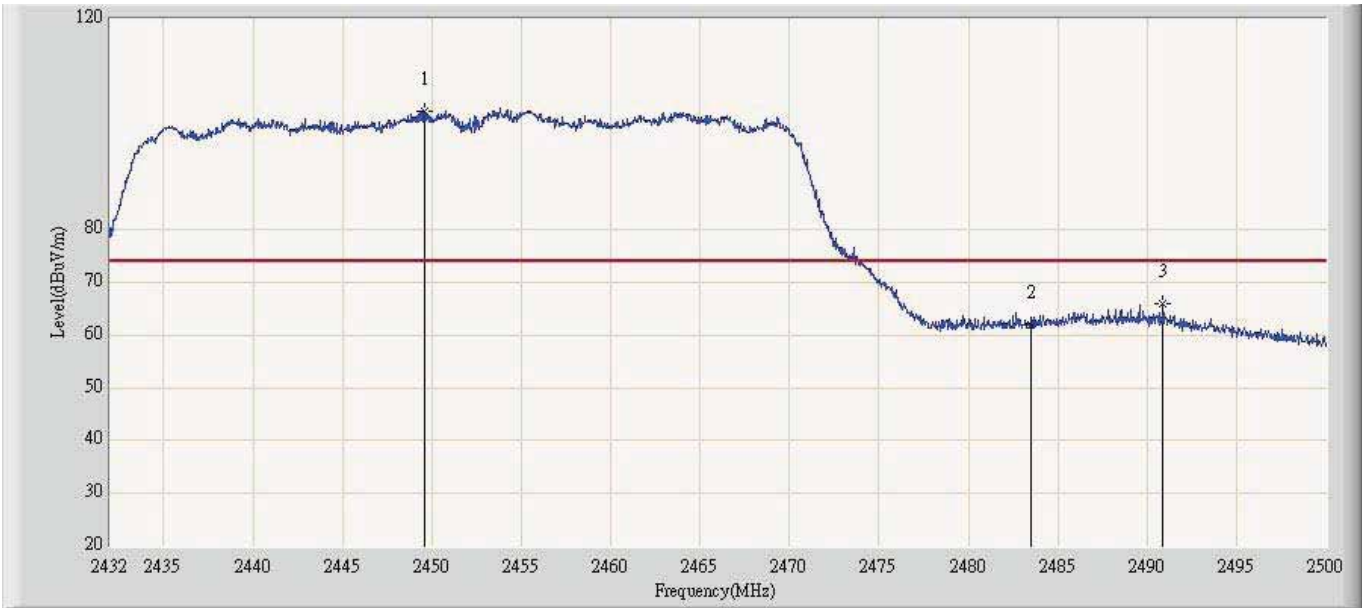
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2455.562	98.387	60.371	N/A	N/A	38.016	PK
2			2483.500	57.652	19.502	-16.348	74.000	38.150	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 18:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2452MHz by 802.11n(40MHz) Ant 1+2 Keeping MIMO transmitting mode	



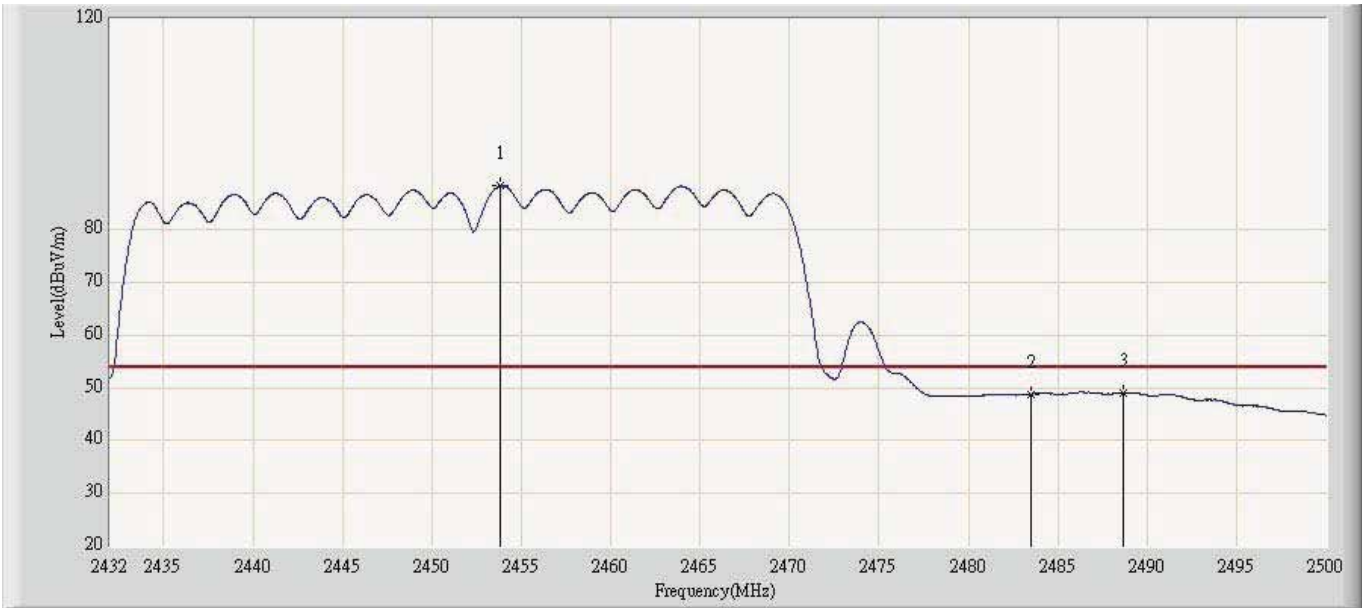
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2453.964	83.754	45.746	N/A	N/A	38.008	AV
2			2483.500	44.971	6.821	-9.029	54.000	38.150	AV

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 18:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2452MHz by 802.11n(40MHz) Ant 1+2 Keeping MIMO transmitting mode	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2449.578	102.411	64.423	N/A	N/A	37.986	PK
2			2483.500	62.053	23.903	-11.947	74.000	38.150	PK
3			2490.888	65.855	27.669	-8.145	74.000	38.186	PK

Engineer: Jack	
Site: AC5	Time: 2014/08/03 - 18:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB	Power: AC 120V/60Hz
Note: Mode 4: Transmit at channel 2452MHz by 802.11n(40MHz) Ant 1+2 Keeping MIMO transmitting mode	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2453.862	88.311	50.303	N/A	N/A	38.008	AV
2			2483.500	48.791	10.641	-5.209	54.000	38.150	AV
3			2488.644	49.127	10.951	-4.873	54.000	38.176	AV

7. Operation Frequency Range of 20dB Bandwidth

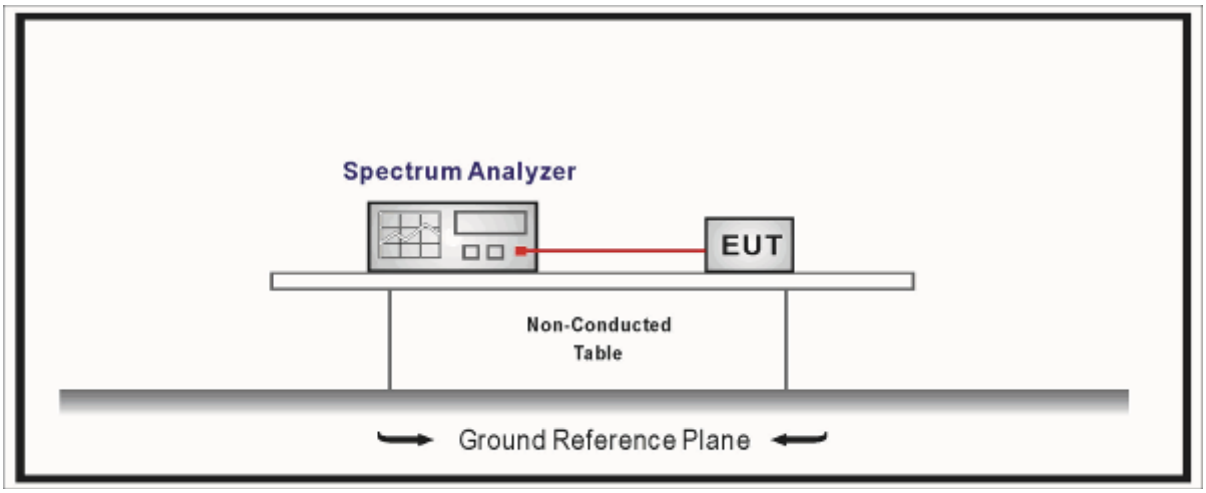
7.1. Test Equipment

Operation Frequency Range of 20dB Bandwidth / TR-8

Instrument	Manufacturer	Type No.	Serial No.	Cali. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2015.01.07
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2015.04.09

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

7.2. Test Setup



7.3. Limit

- Intentional radiators operating under the alternative provisions to the general emission limits as contained in 15.217 through 15.257 and in Subpart E of FCC part 15, must be designed to ensure that 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.
- In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter

demonstrates compliance with the peak conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) of FCC part 15 is not required.

7.4. Test Procedure

The EUT was tested according to ANSI C63.10: 2009
Set RBW = 100 kHz, Span greater than RBW.

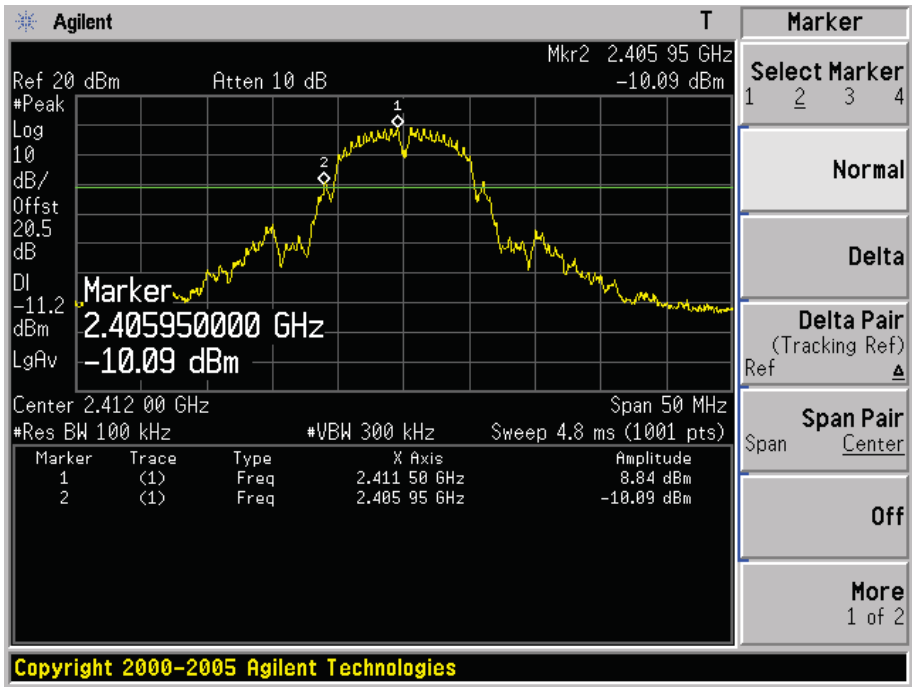
7.5. Uncertainty

The measurement uncertainty is defined as ± 1 kHz

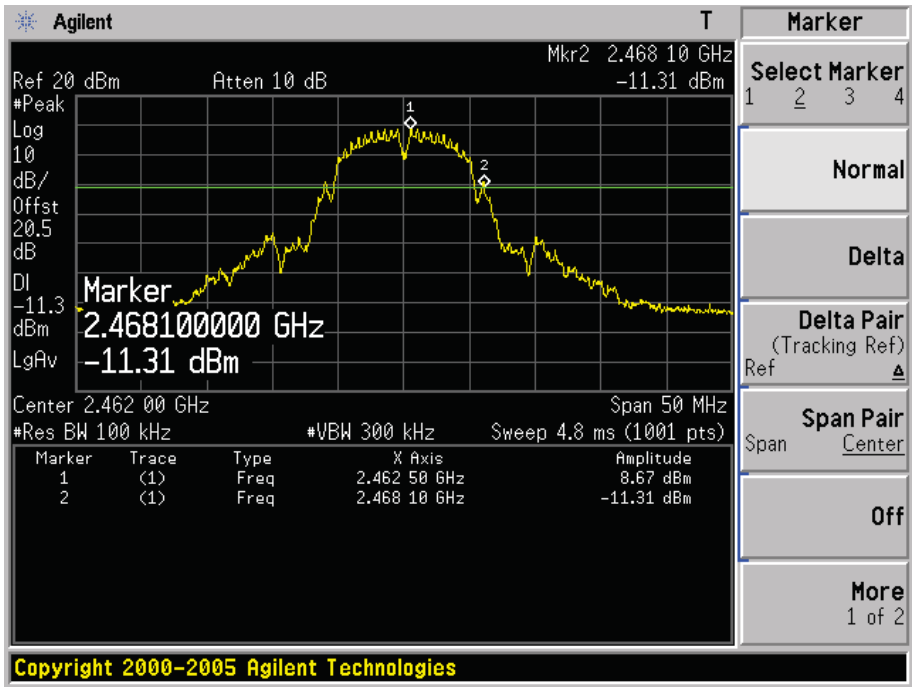
7.6. Test Result

Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Ant 1)

Channel 01 (2412MHz)

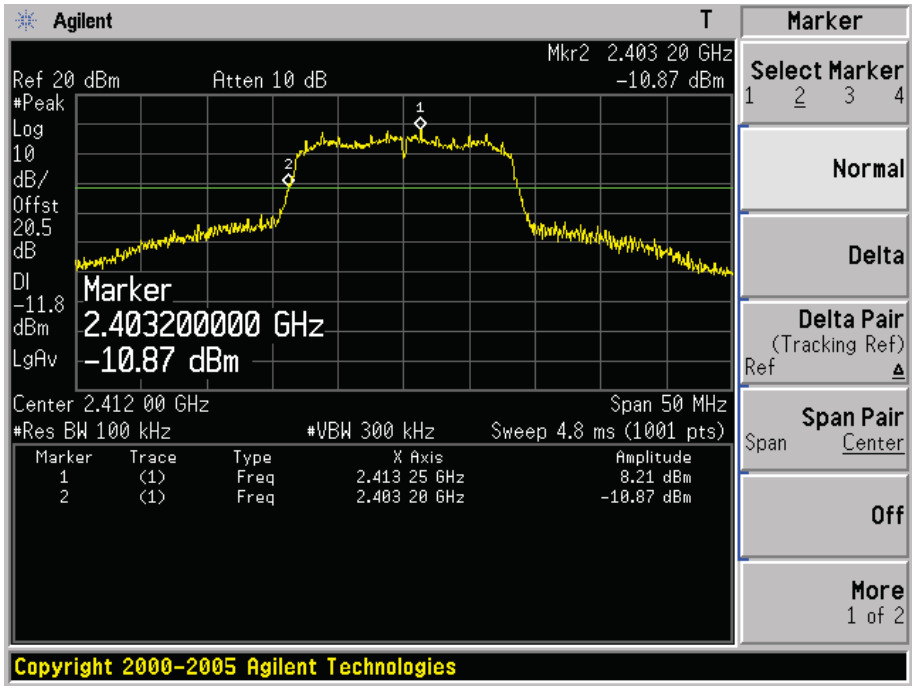


Channel 11 (2462MHz)

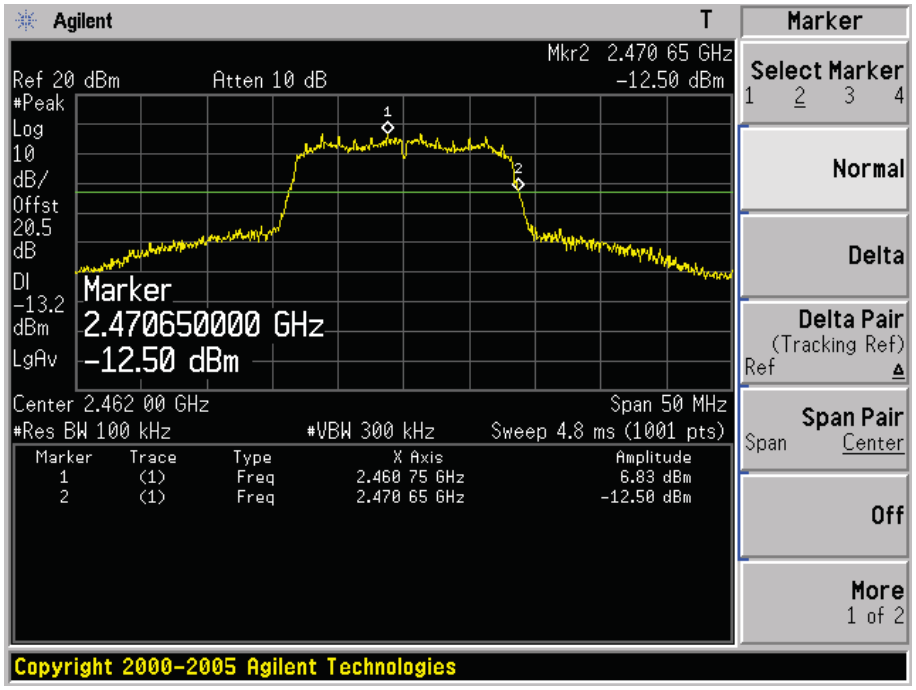


Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Ant 1)

Channel 01 (2412MHz)

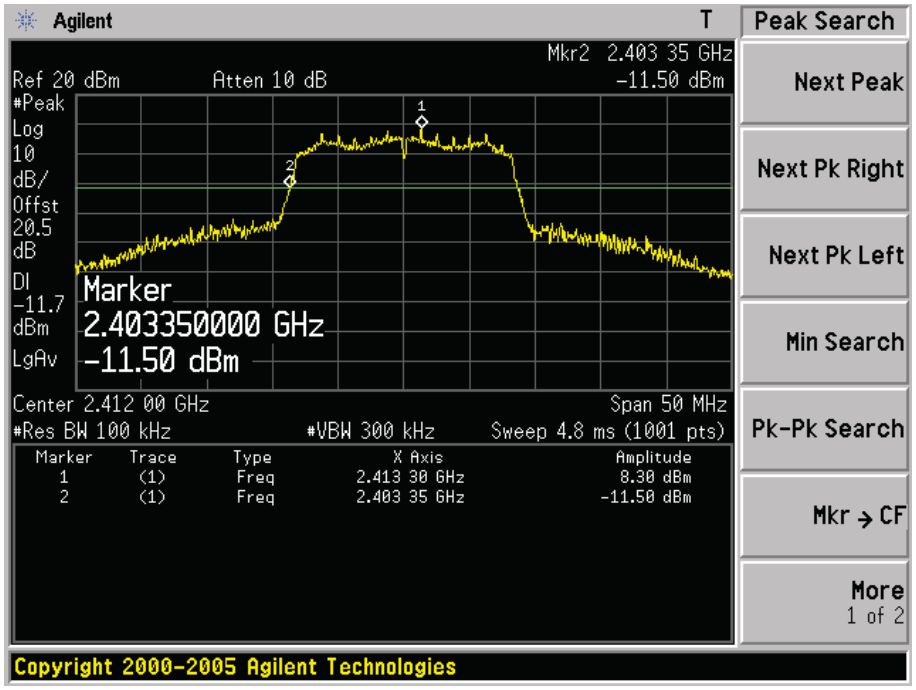


Channel 11 (2462MHz)

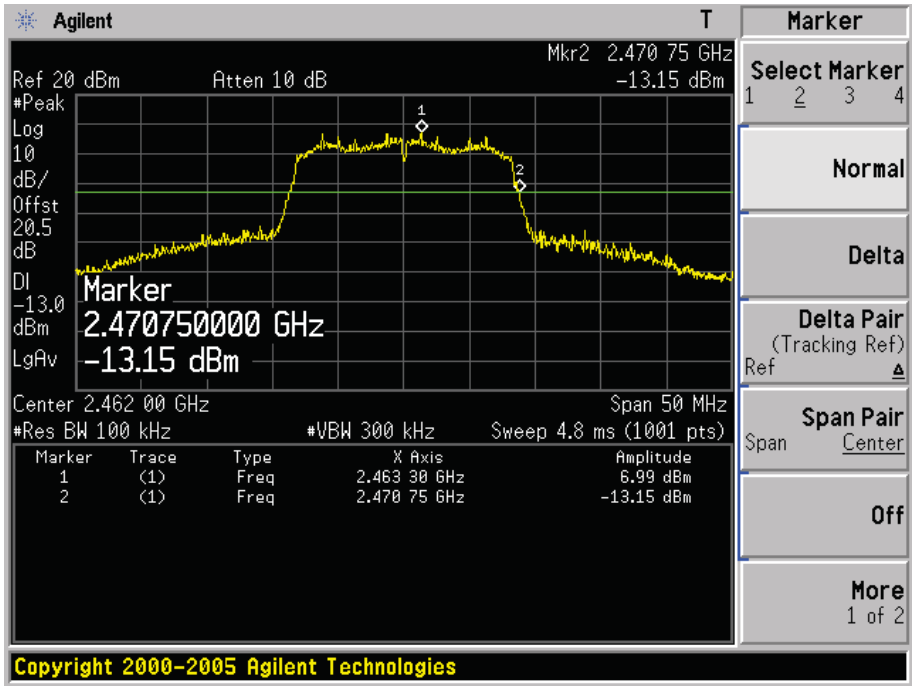


Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n(20MHz) (Ant 1)

Channel 01 (2412MHz)

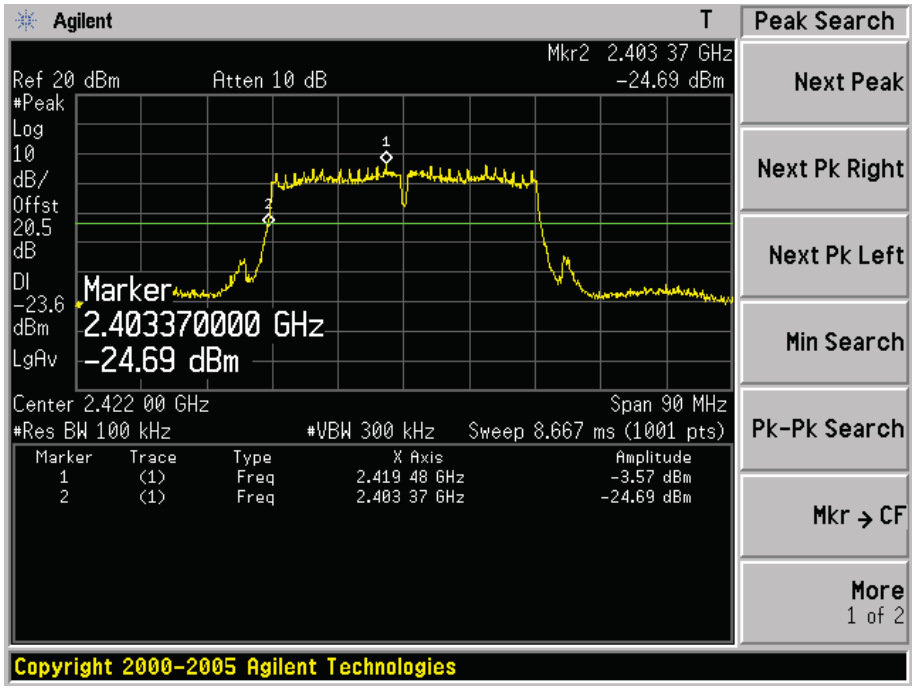


Channel 11 (2462MHz)

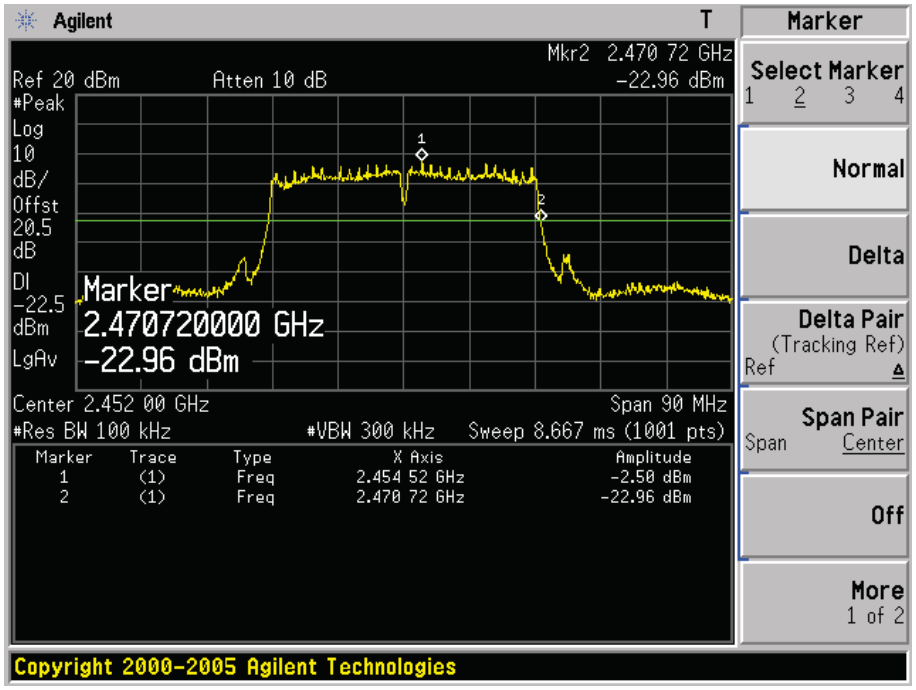


Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n(40MHz) (Ant 1)

Channel 03 (2422MHz)

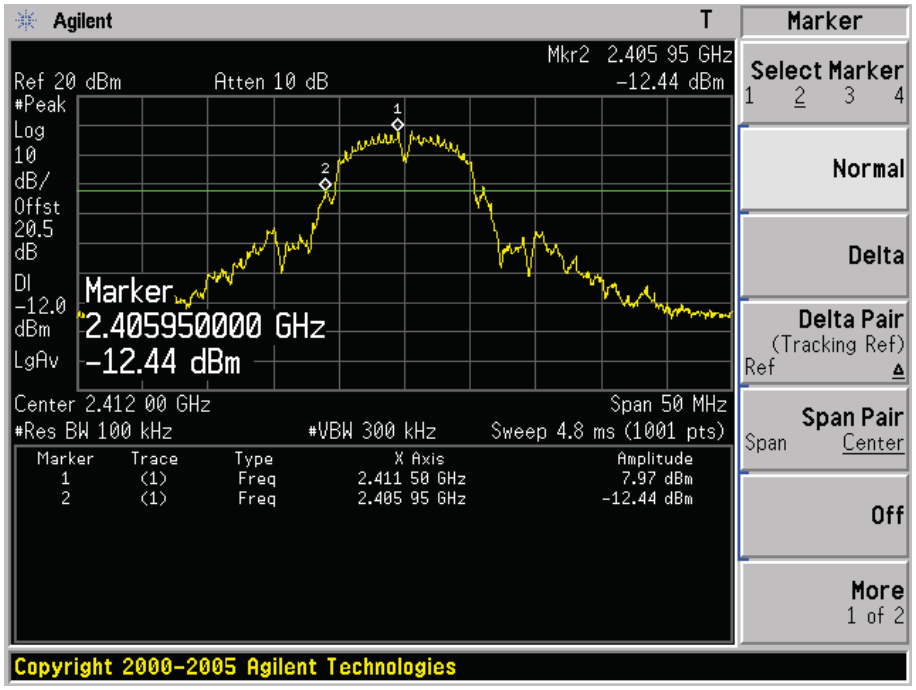


Channel 09 (2452MHz)

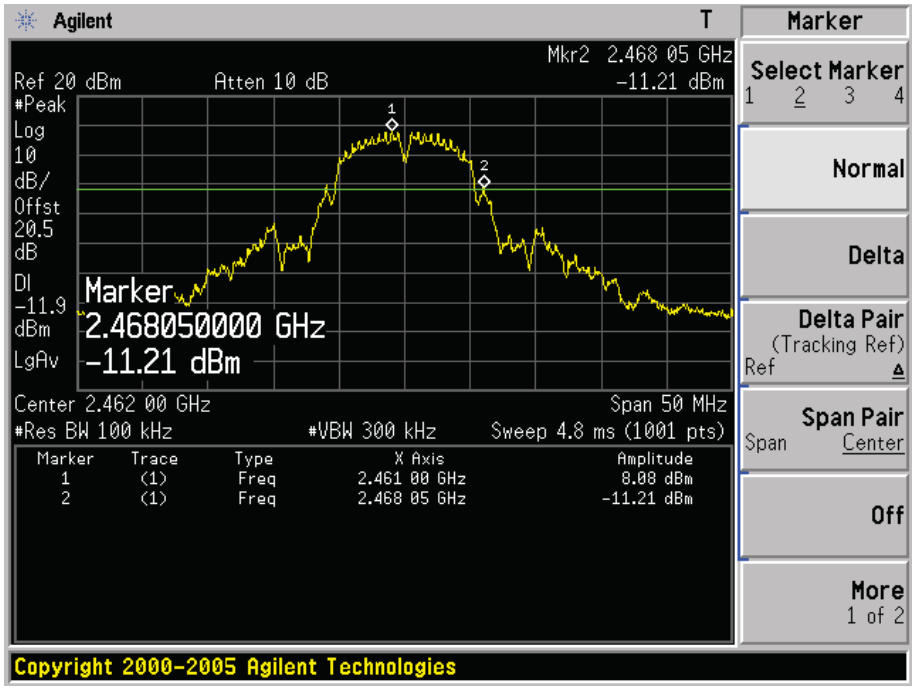


Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Ant 2)

Channel 01 (2412MHz)

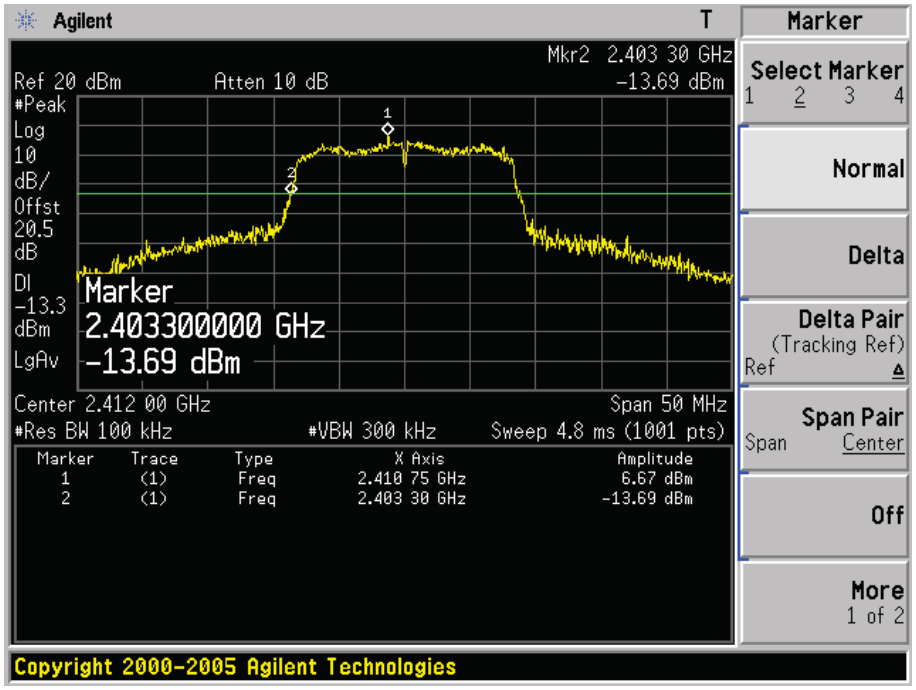


Channel 11 (2462MHz)

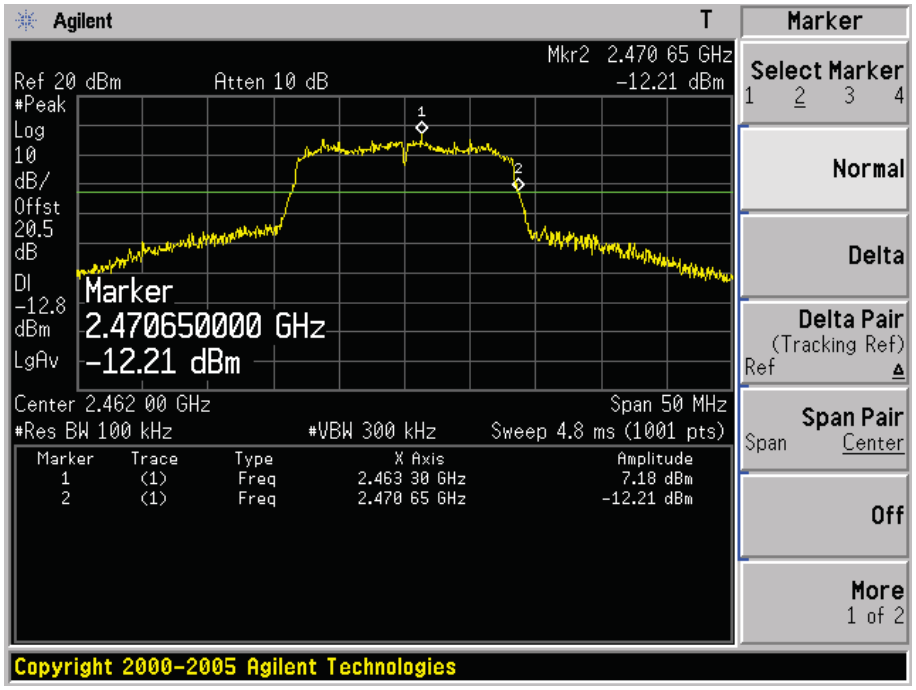


Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Ant 2)

Channel 01 (2412MHz)

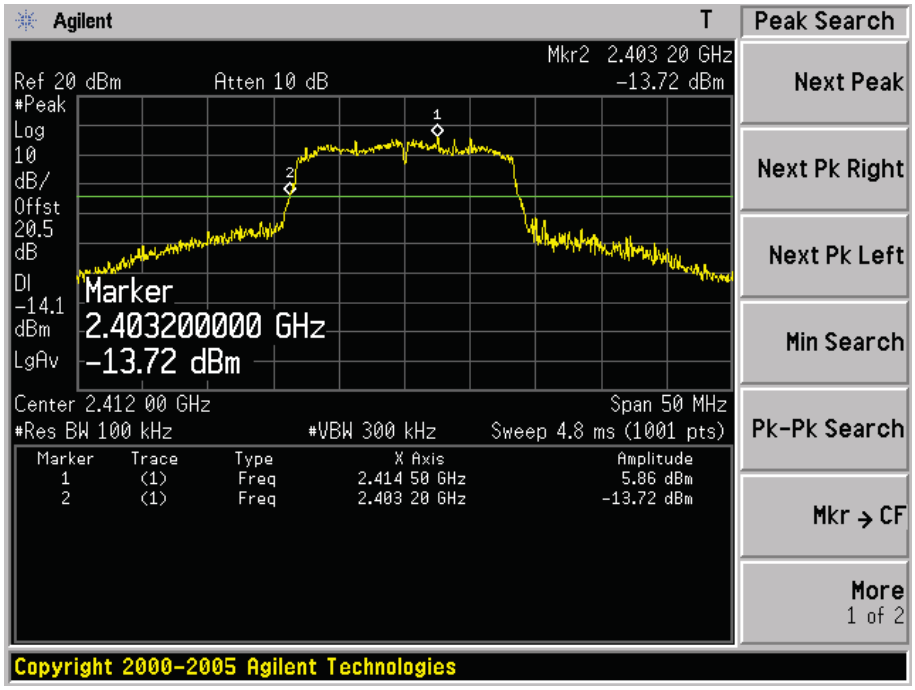


Channel 11 (2462MHz)

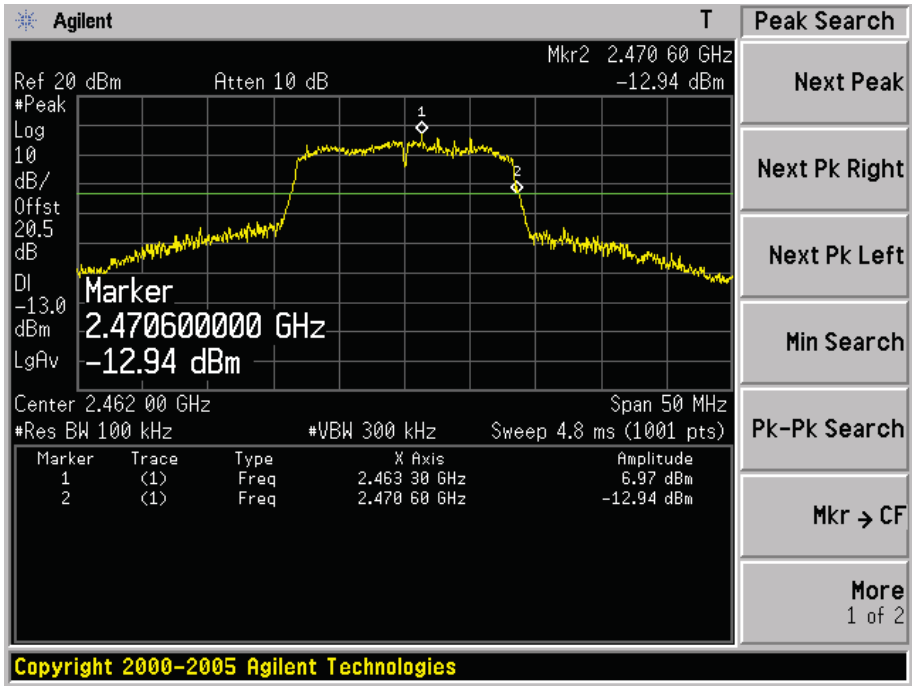


Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n(20MHz) (Ant 2)

Channel 01 (2412MHz)

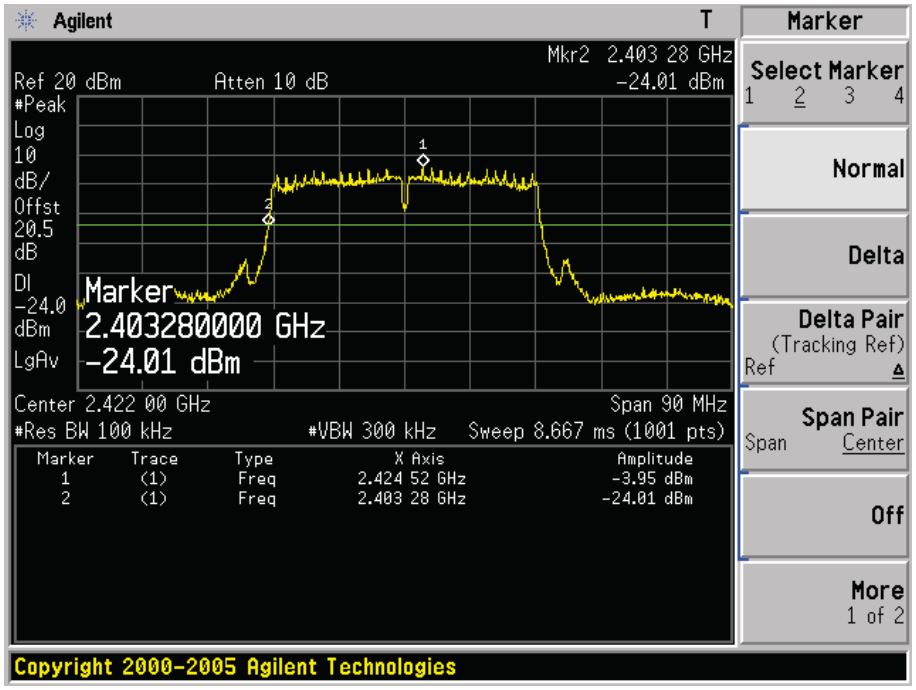


Channel 11 (2462MHz)

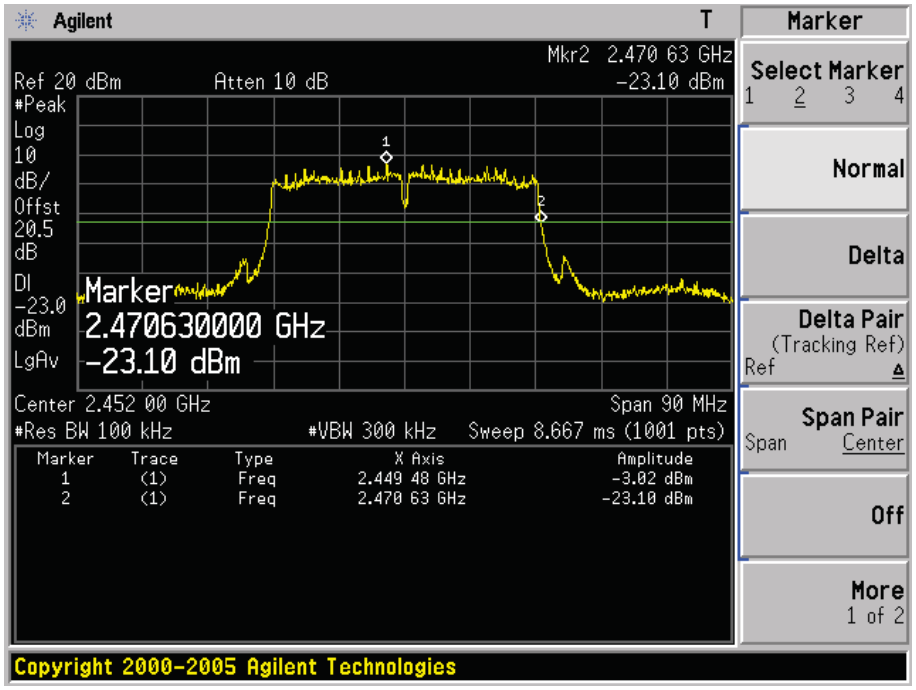


Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n(40MHz) (Ant 2)

Channel 03 (2422MHz)



Channel 09 (2452MHz)



8. Occupied Bandwidth

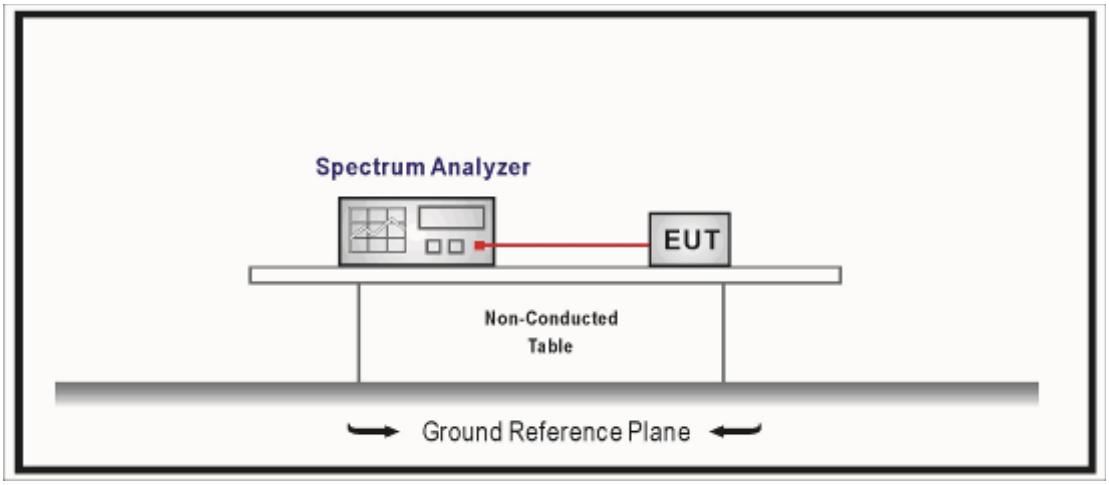
8.1. Test Equipment

Occupied Bandwidth / TR-8

Instrument	Manufacturer	Type No.	Serial No.	Cali. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2015.01.07
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2015.04.09

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

8.2. Test Setup



8.3. Limit

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

8.4. Test Procedure

The EUT was tested according to KDB 558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 100 kHz, Span greater than RBW.

8.5. Uncertainty

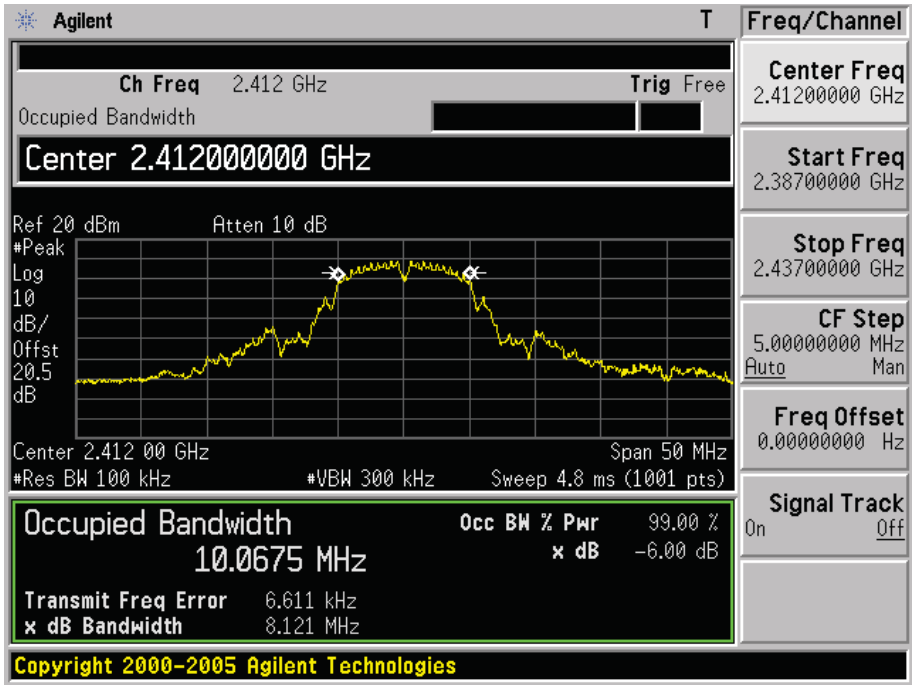
The measurement uncertainty is defined as ± 1 kHz

8.6. Test Result

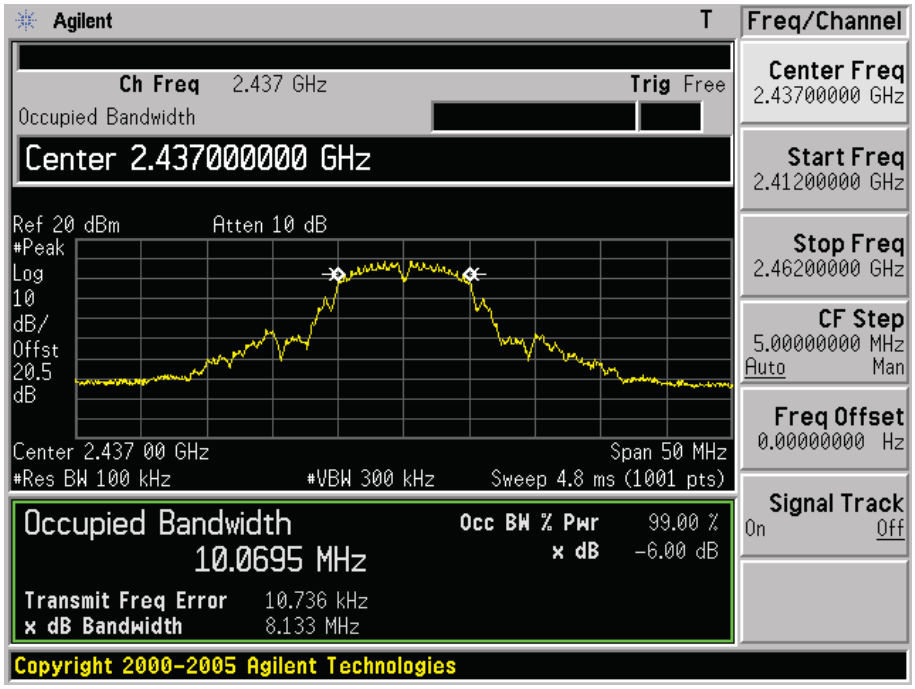
Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Ant 1)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	8121	500	Pass
06	2437	8133	500	Pass
11	2462	8126	500	Pass

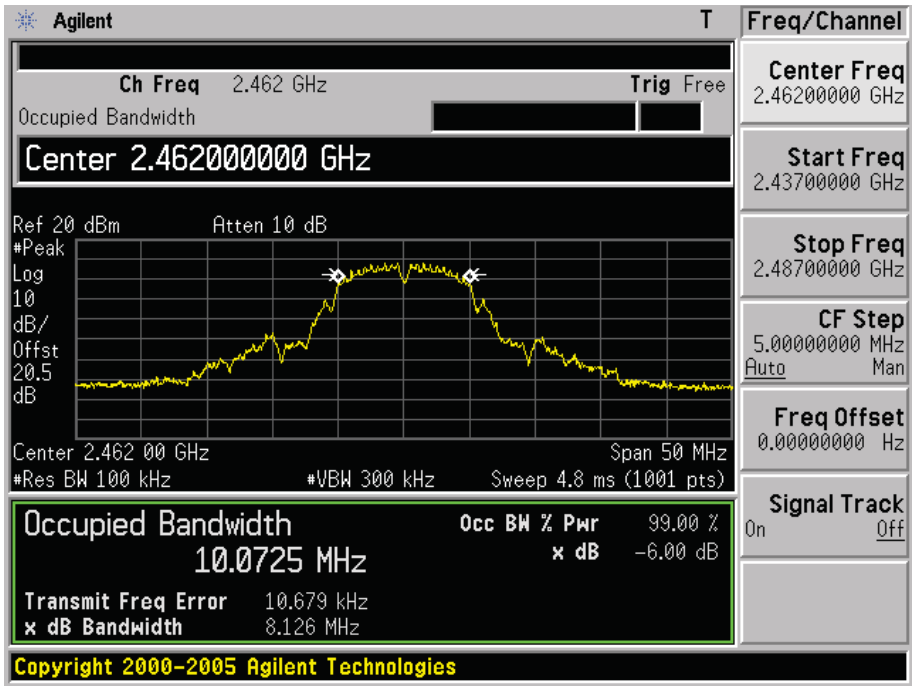
Channel 01 (2412MHz)



Channel 06 (2437MHz)



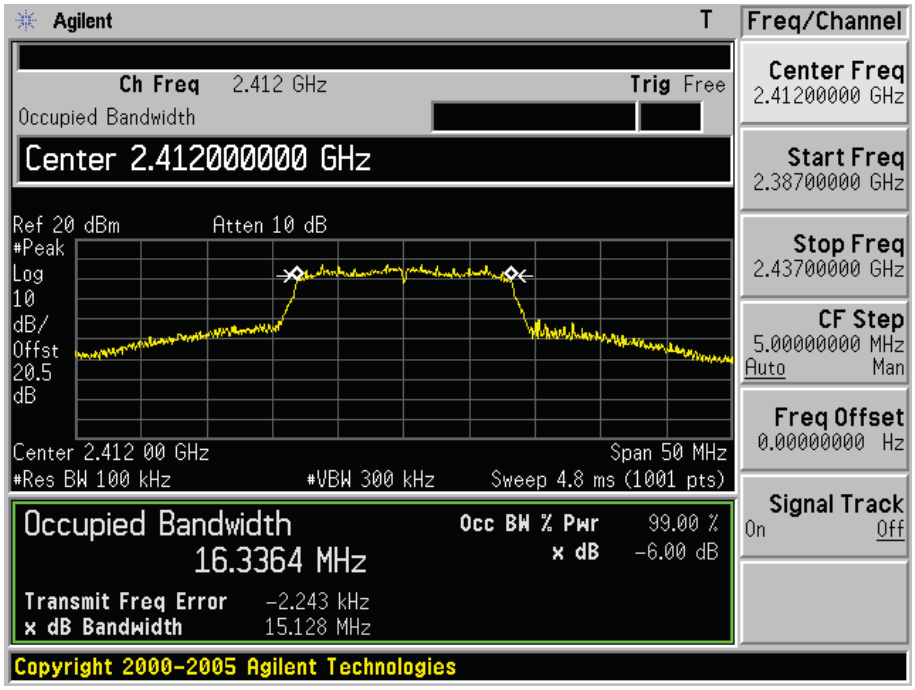
Channel 11 (2462MHz)



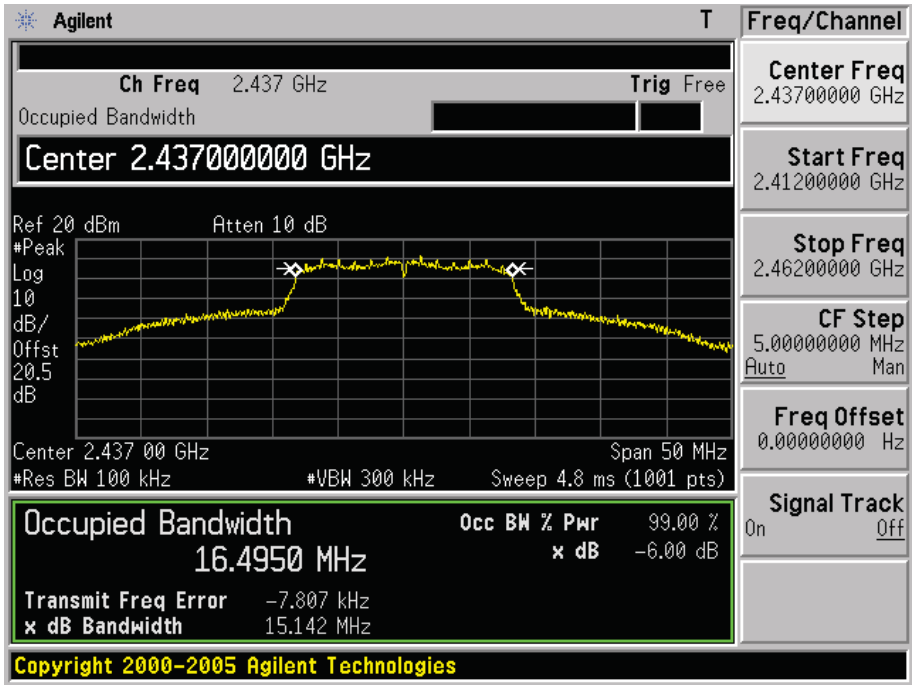
Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Ant 1)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	15128	500	Pass
06	2437	15142	500	Pass
11	2462	13361	500	Pass

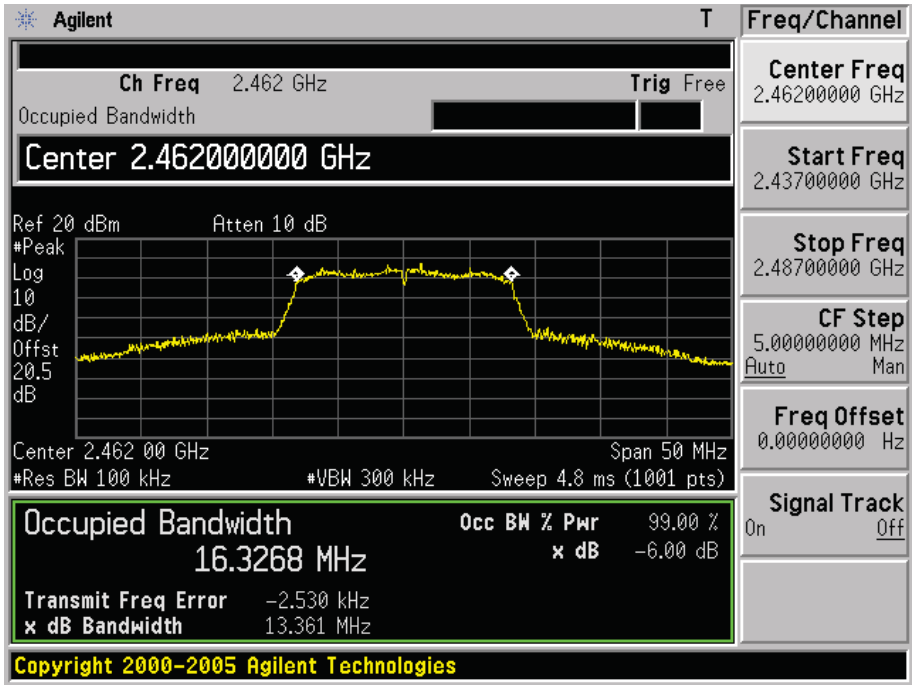
Channel 01 (2412MHz)



Channel 06 (2437MHz)



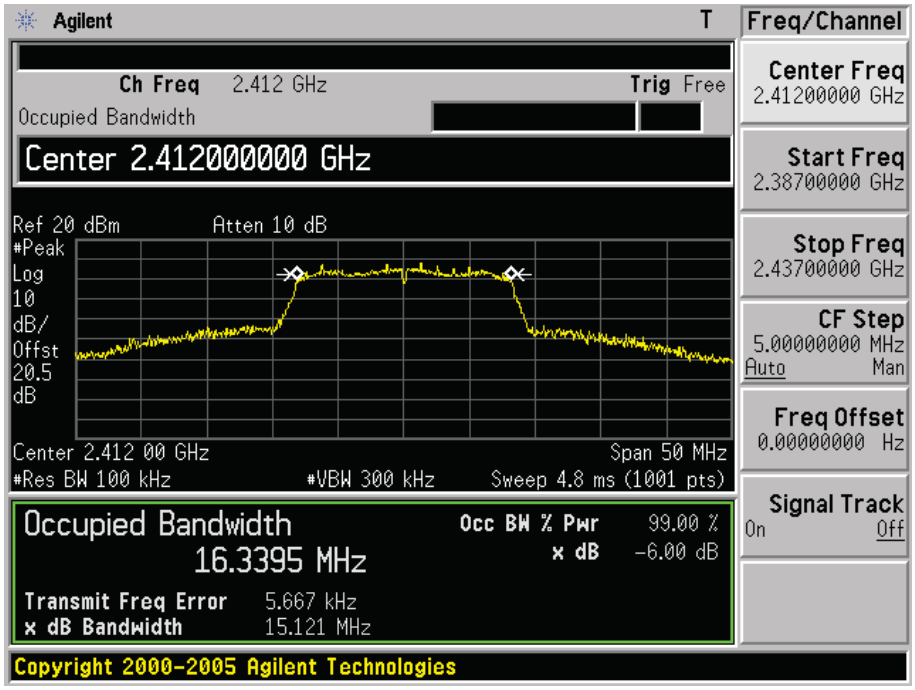
Channel 11 (2462MHz)



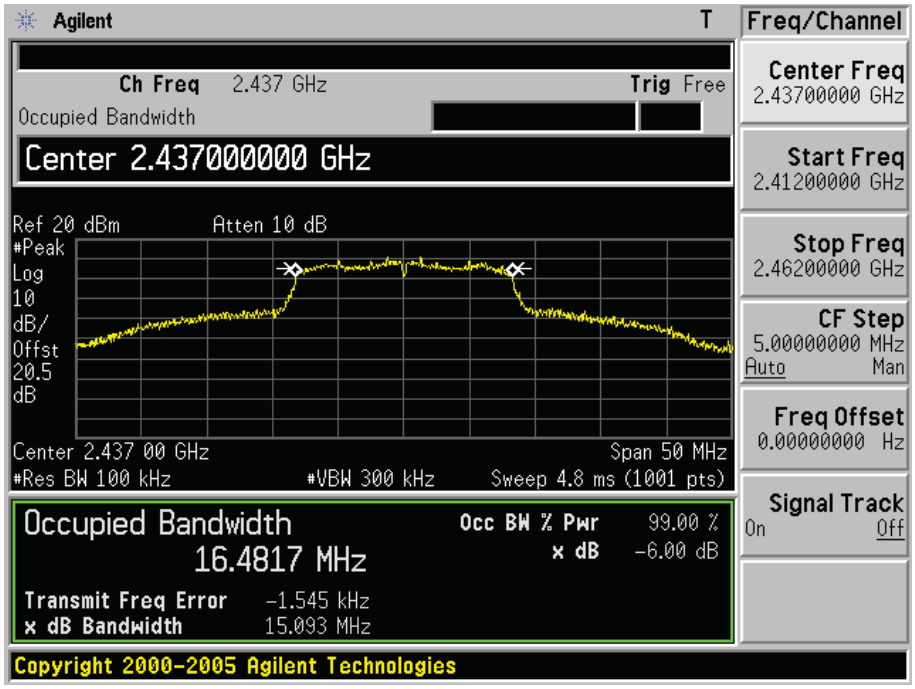
Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n(20MHz) (Ant 1)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	15121	500	Pass
06	2437	15093	500	Pass
11	2462	15070	500	Pass

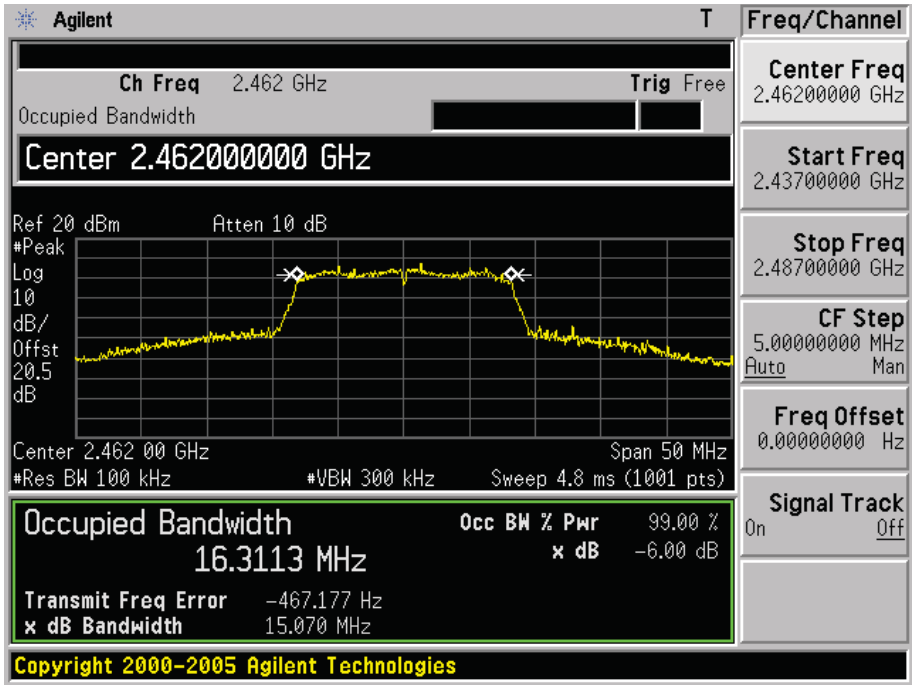
Channel 01 (2412MHz)



Channel 06 (2437MHz)



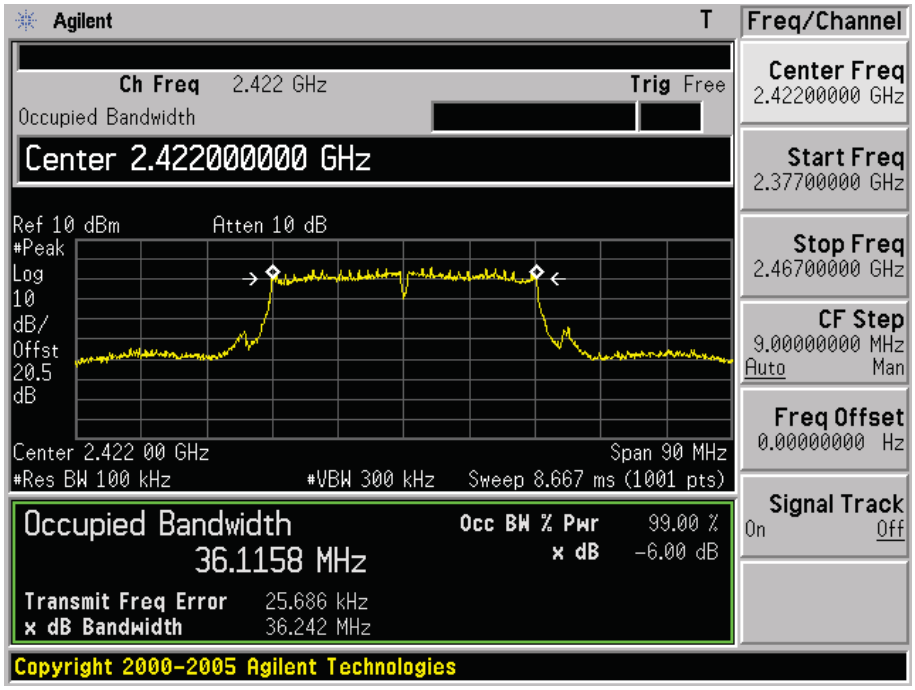
Channel 11 (2462MHz)



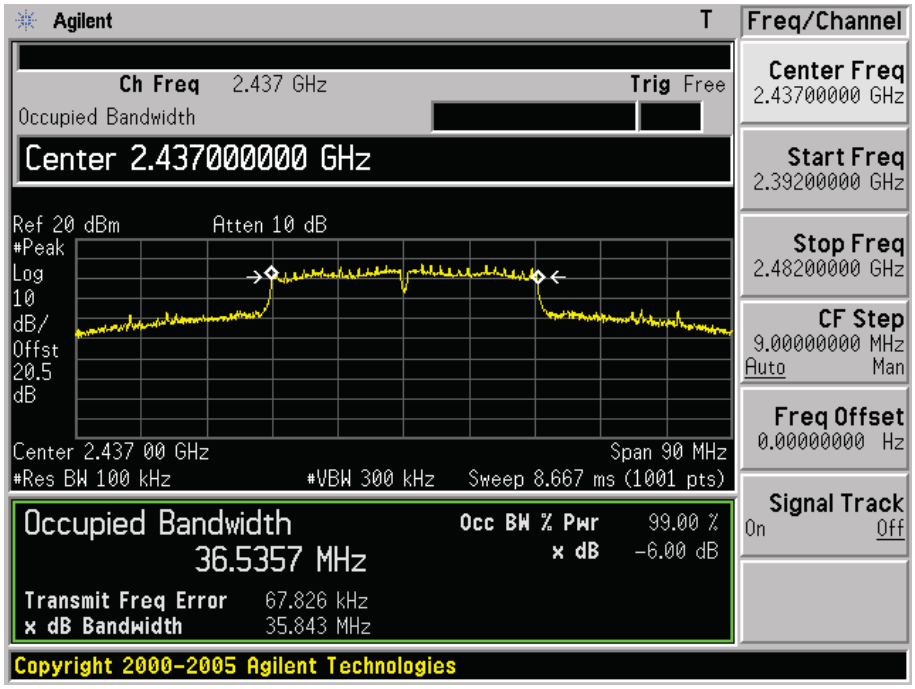
Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n(40MHz) (Ant 1)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
03	2422	36242.	500	Pass
06	2437	35843	500	Pass
09	2452	35996	500	Pass

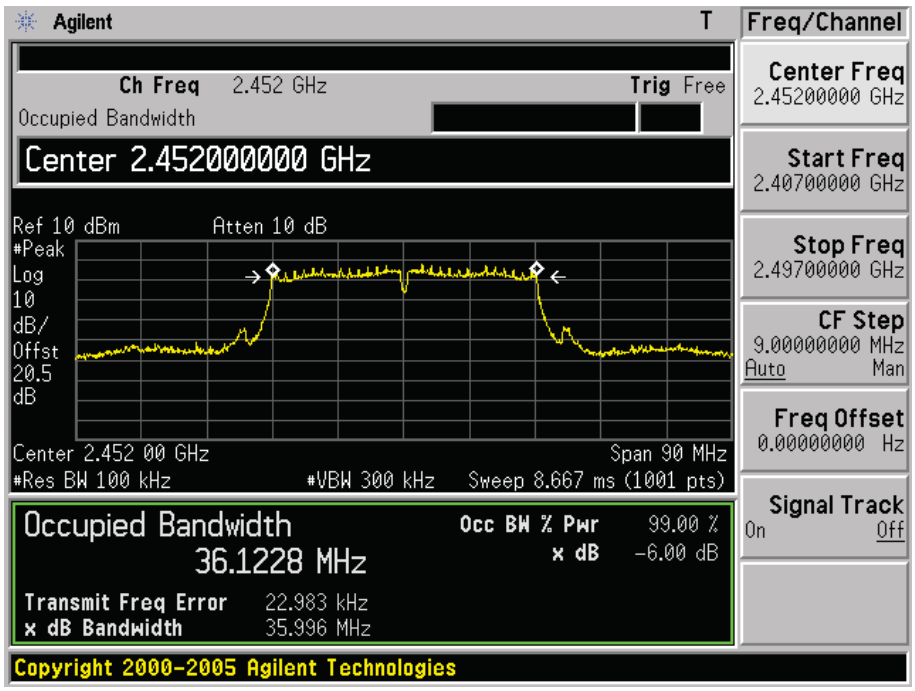
Channel 03 (2422MHz)



Channel 06 (2437MHz)



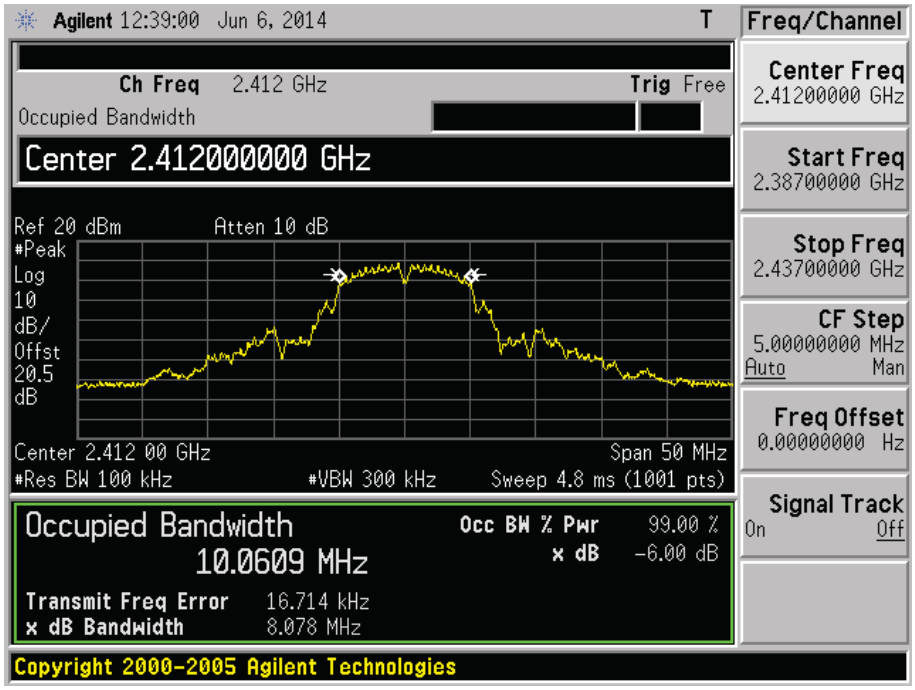
Channel 09 (2452MHz)



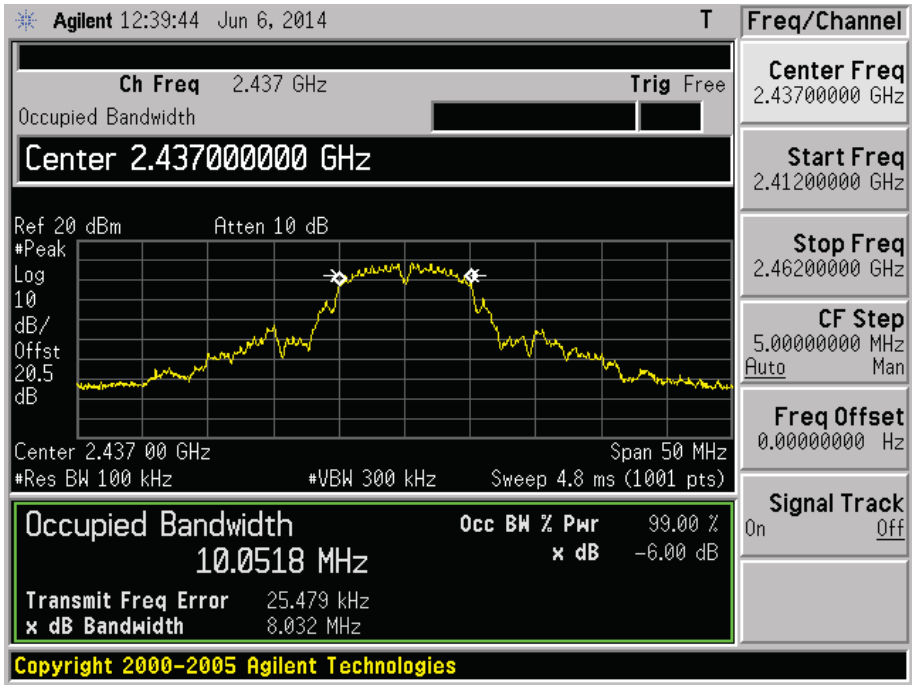
Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Ant 2)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	8078	500	Pass
06	2437	8032	500	Pass
11	2462	8123	500	Pass

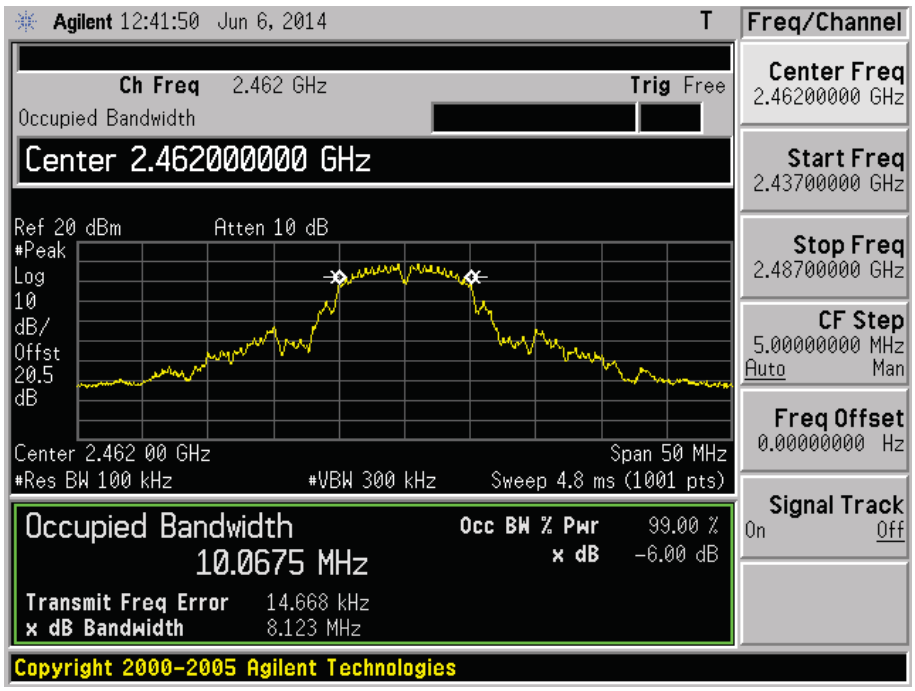
Channel 01 (2412MHz)



Channel 06 (2437MHz)



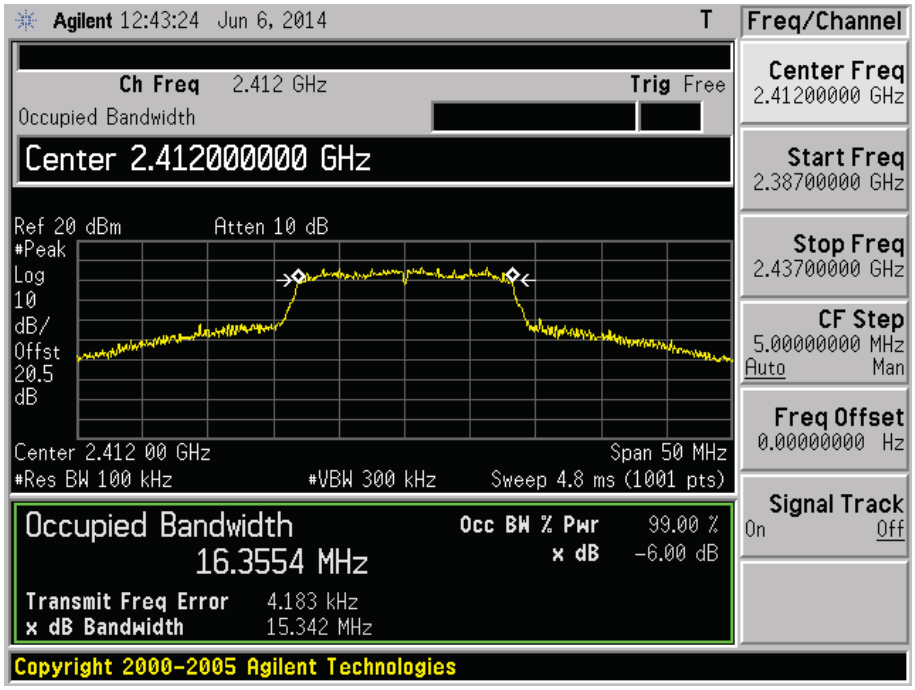
Channel 11 (2462MHz)



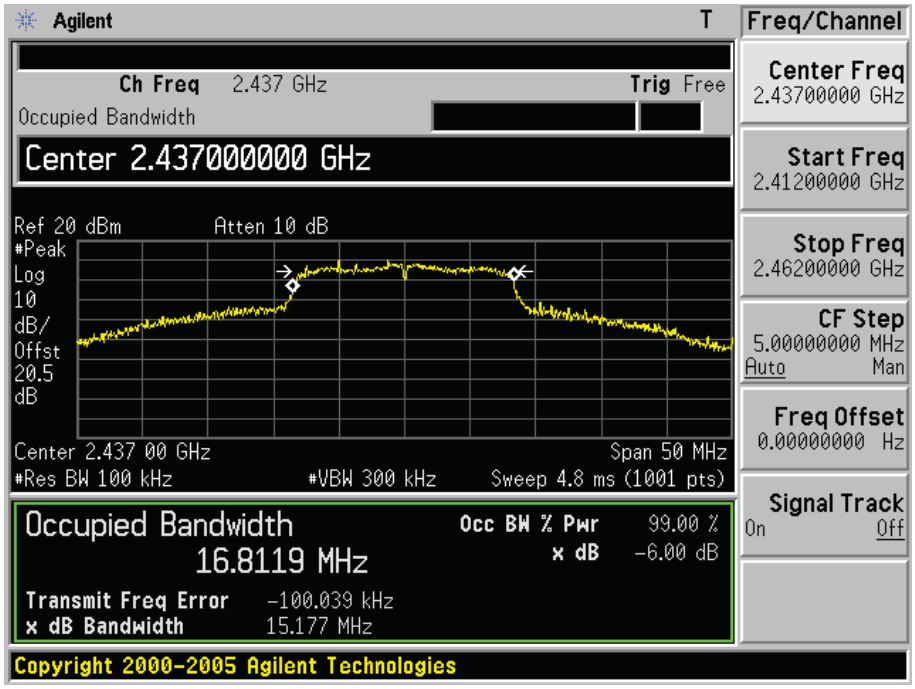
Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Ant 2)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	15342	500	Pass
06	2437	15177	500	Pass
11	2462	15158	500	Pass

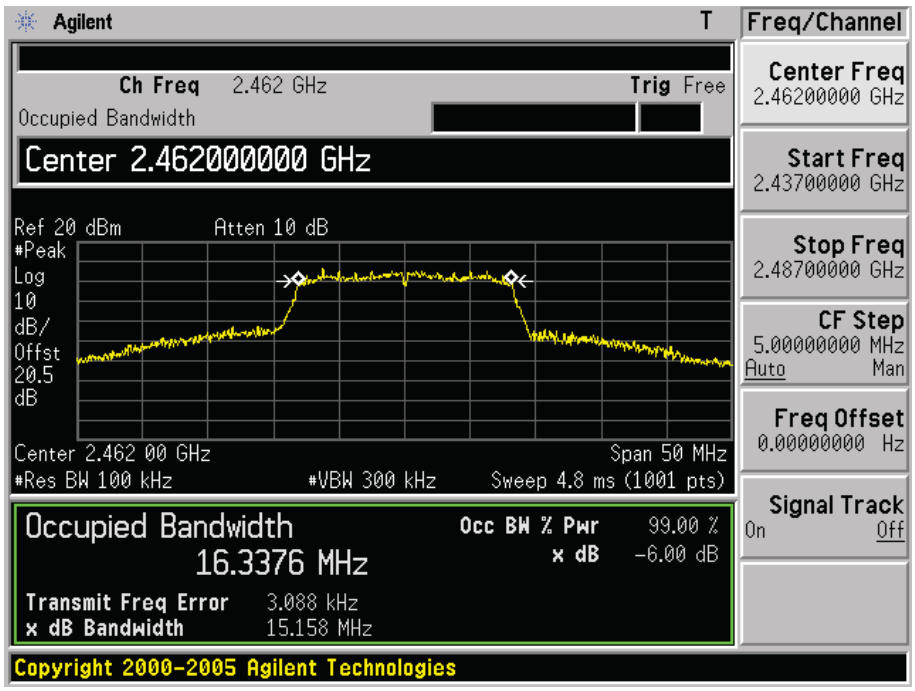
Channel 01 (2412MHz)



Channel 06 (2437MHz)



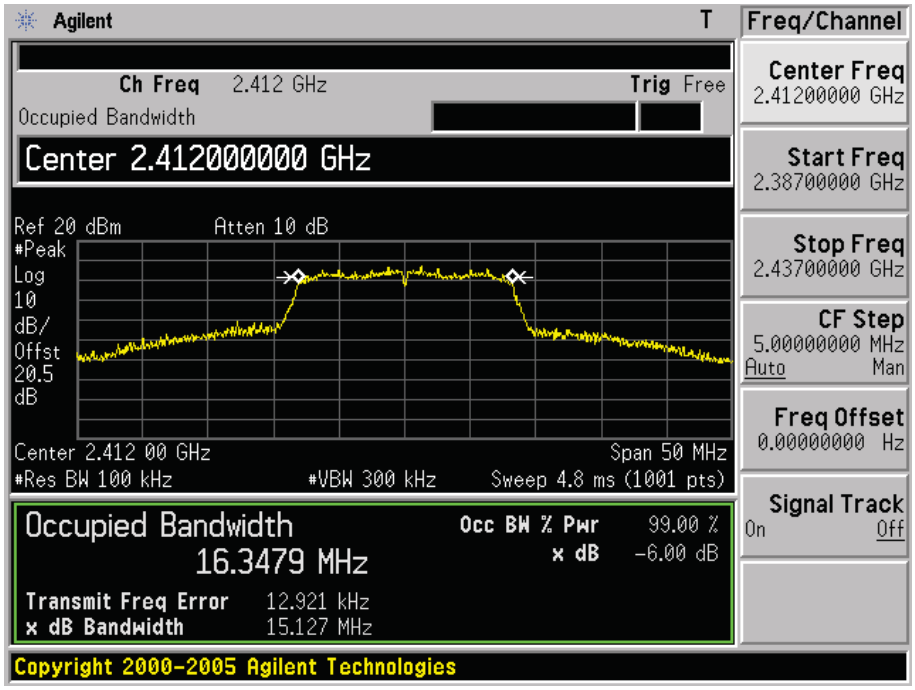
Channel 11 (2462MHz)



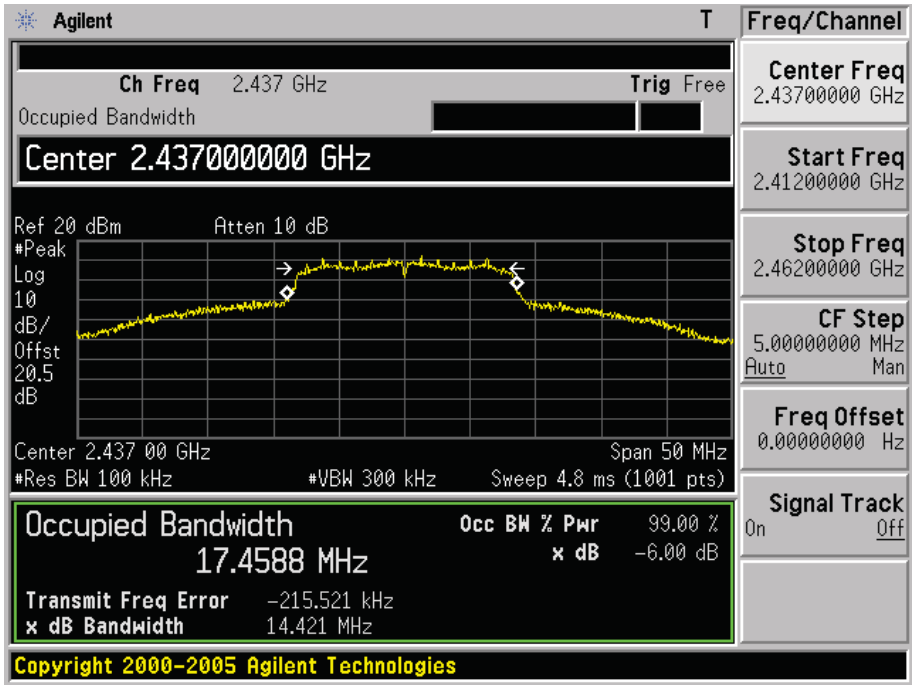
Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n(20MHz) (Ant 2)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	15127	500	Pass
06	2437	14421	500	Pass
11	2462	15097	500	Pass

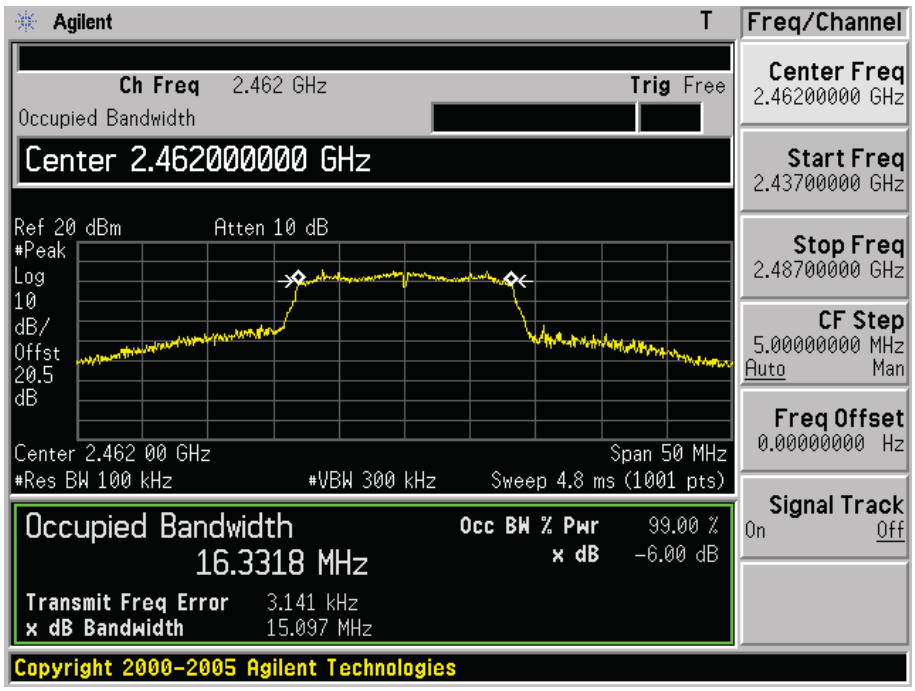
Channel 01 (2412MHz)



Channel 06 (2437MHz)



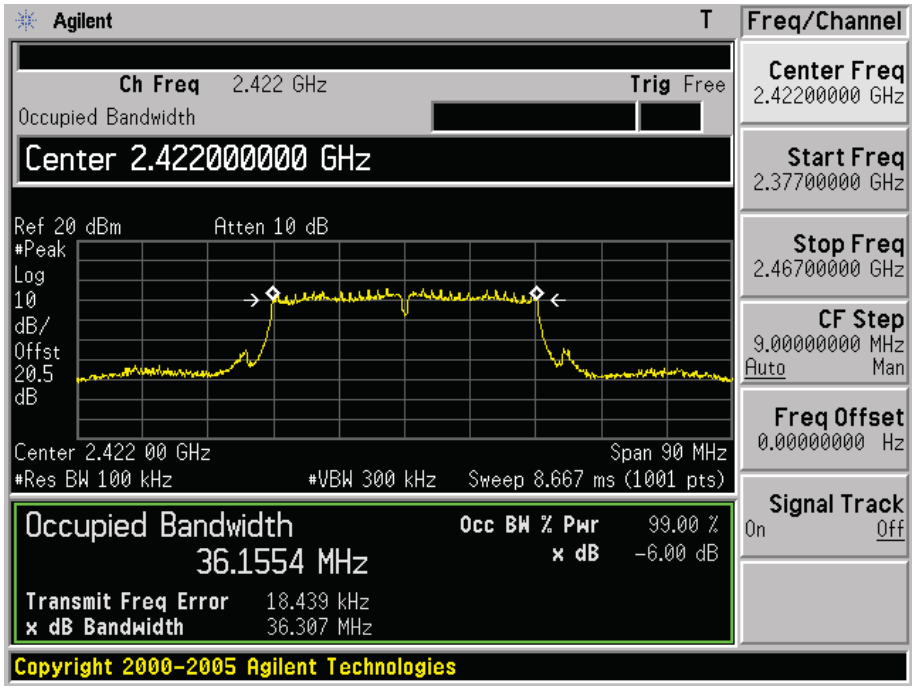
Channel 11 (2462MHz)



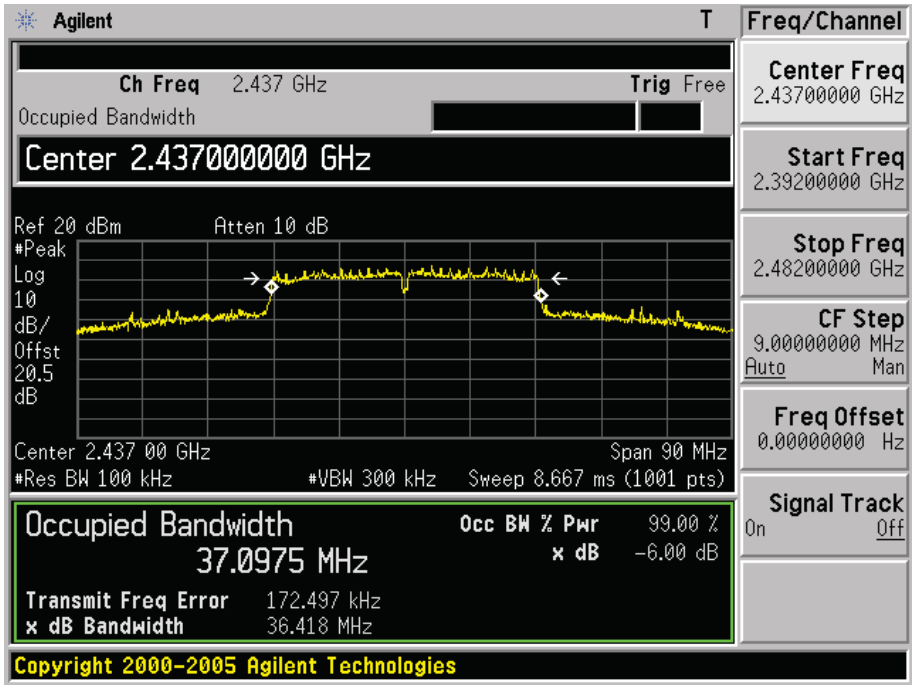
Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n(40MHz) (Ant 2)

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
03	2422	35307	500	Pass
06	2437	36418	500	Pass
09	2452	35977	500	Pass

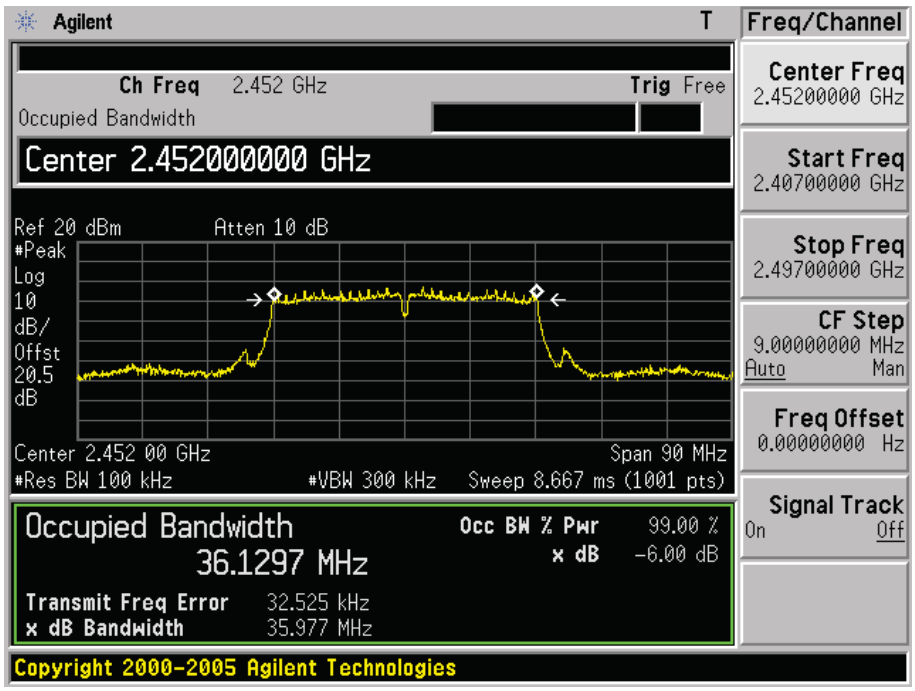
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



9. Power Output

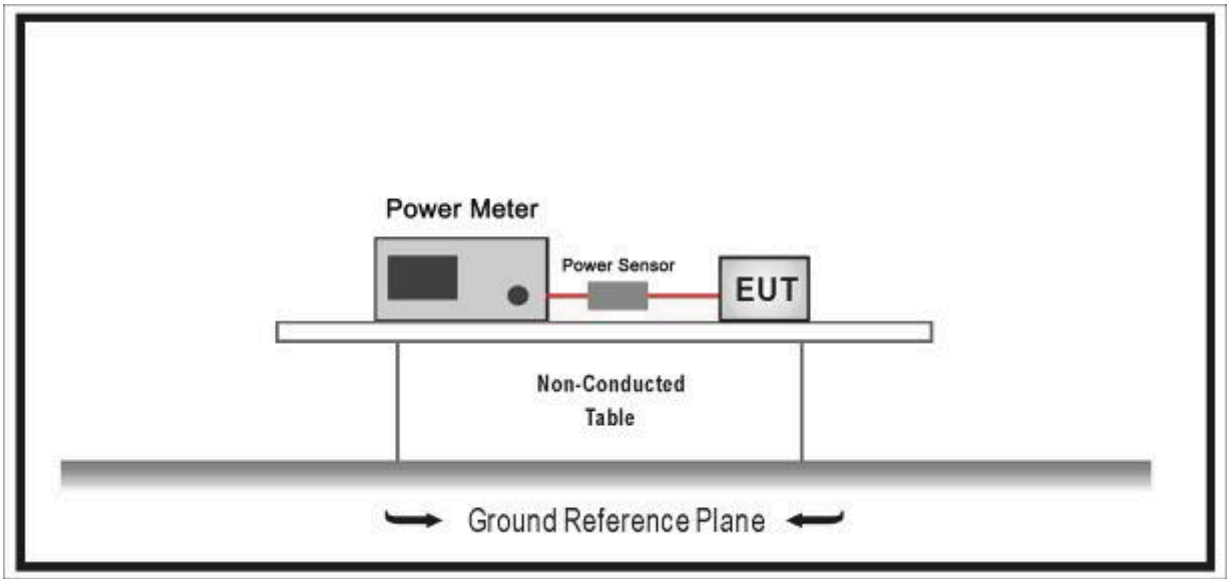
9.1. Test Equipment

Power Output / TR-8

Instrument	Manufacturer	Type No.	Serial No.	Cali. Due Date
Wideband Peak Power Meter	Anritsu	ML2495A	0905006	2014.11.10
Power Sensor	Anritsu	MA2411B	0846014	2014.11.10
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2015.04.09

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

9.2. Test Setup



9.3. Limit

The maximum peak power shall be less 1 Watt (30dBm).

Note: the conducted output power limit specified above is based on the use the antennas with directional gains that do not exceed 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values above, as appropriate, by the amount in dB that the directional gain of antenna exceeds 6 dBi.

9.4. Test Procedure

The EUT was tested according to KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

Use the broadband peak RF power meter to test peak power and record the result.

9.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

9.6. Test Result

Power output test was verified over all data rates of each mode shown as below, and then choose the maximum power output (blue marker) for final test of each channel.

MCS Index for 802.11n	Spatial Streams	Data Rate (Mbps)					
		802.11b	802.11g	20MHz Bandwidth		40MHz Bandwidth	
				800ns GI	400ns GI	800ns GI	400ns GI
0	1	1	6	6.5	7.2	13.5	15.0
1	1	2	9	13.0	14.4	27.0	30.0
2	1	5.5	12	19.5	21.7	40.5	45.0
3	1	11	18	26.0	28.9	54.0	60.0
4	1	---	24	39.0	43.3	81.0	90.0
5	1	---	36	52.0	57.8	108.0	120.0
6	1	---	48	58.5	65.0	121.5	135.0
7	1	---	54	65.0	72.2	135.0	150.0
8	2	---	---	13.0	14.4	27.0	30.0
9	2	---	---	26.0	28.9	54.0	60.0
10	2	---	---	39.0	43.3	81.0	90.0
11	2	---	---	52.0	57.8	108.0	120.0
12	2	---	---	78.0	86.7	162.0	180.0
13	2	---	---	104.0	115.6	216.0	240.0
14	2	---	---	117.0	130.0	243.0	270.0
15	2	---	---	130.0	144.0	270.0	300.0

Power output at various data rates:

Test Mode	Bandwidth	Frequency (MHz)	Channel	Data Rate	Peak Power (dBm)
802.11b(Ant 1)	20	2437	6	1	21.26
				5.5	21.17
				11	21.05
802.11g(Ant 1)	20	2437	6	6	27.36
				24	27.09
				54	26.89
802.11n (Ant 1)	20	2437	6	MCS0	27.32
				MCS4	27.11
				MCS7	26.95
802.11n (Ant 1)	40	2437	6	MCS0	21.37
				MCS4	21.15
				MCS7	21.02

Test Mode	Bandwidth	Frequency (MHz)	Channel	Data Rate	Peak Power (dBm)
802.11b(Ant 2)	20	2437	6	1	20.68
				5.5	20.21
				11	20.04
802.11g(Ant 2)	20	2437	6	6	26.49
				24	26.20
				54	26.07
802.11n (Ant 2)	20	2437	6	MCS0	26.41
				MCS4	26.22
				MCS7	26.01
802.11n (Ant 2)	40	2437	6	MCS0	22.47
				MCS4	22.28
				MCS7	22.07

Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 1: Transmit by 802.11b (Ant 1)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Ant 1	Ant 2			
1	2412	21.13	N/A	21.13	30.00	Pass
6	2437	21.26	N/A	21.26	30.00	Pass
11	2462	20.97	N/A	20.97	30.00	Pass

Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 1: Transmit by 802.11b (Ant 2)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Ant 1	Ant 2			
1	2412	N/A	20.74	20.74	30.00	Pass
6	2437	N/A	20.68	20.68	30.00	Pass
11	2462	N/A	20.58	20.58	30.00	Pass

Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 2: Transmit by 802.11g (Ant 1)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Ant 1	Ant 2			
1	2412	27.12	N/A	27.12	30.00	Pass
6	2437	27.36	N/A	27.36	30.00	Pass
11	2462	26.39	N/A	26.39	30.00	Pass

Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 2: Transmit by 802.11g (Ant 2)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Ant 1	Ant 2			
1	2412	N/A	25.89	25.89	30.00	Pass
6	2437	N/A	26.49	26.49	30.00	Pass
11	2462	N/A	25.81	25.81	30.00	Pass

Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 3: Transmit by 802.11n(20MHz) (Ant 1+2)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Ant 1	Ant 2			
1	2412	26.01	25.78	28.91	30.00	Pass
6	2437	25.81	25.74	28.79	30.00	Pass
11	2462	24.75	24.71	27.74	30.00	Pass

Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Power Output
Test Site	:	TR8
Test Mode	:	Mode 4: Transmit by 802.11n(40MHz) (Ant 1+2)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Limit (dBm)	Result
		Ant 1	Ant 2			
3	2422	19.09	20.03	22.60	30.00	Pass
6	2437	21.21	21.19	24.21	30.00	Pass
9	2452	20.29	18.29	22.41	30.00	Pass

10. Power Spectral Density

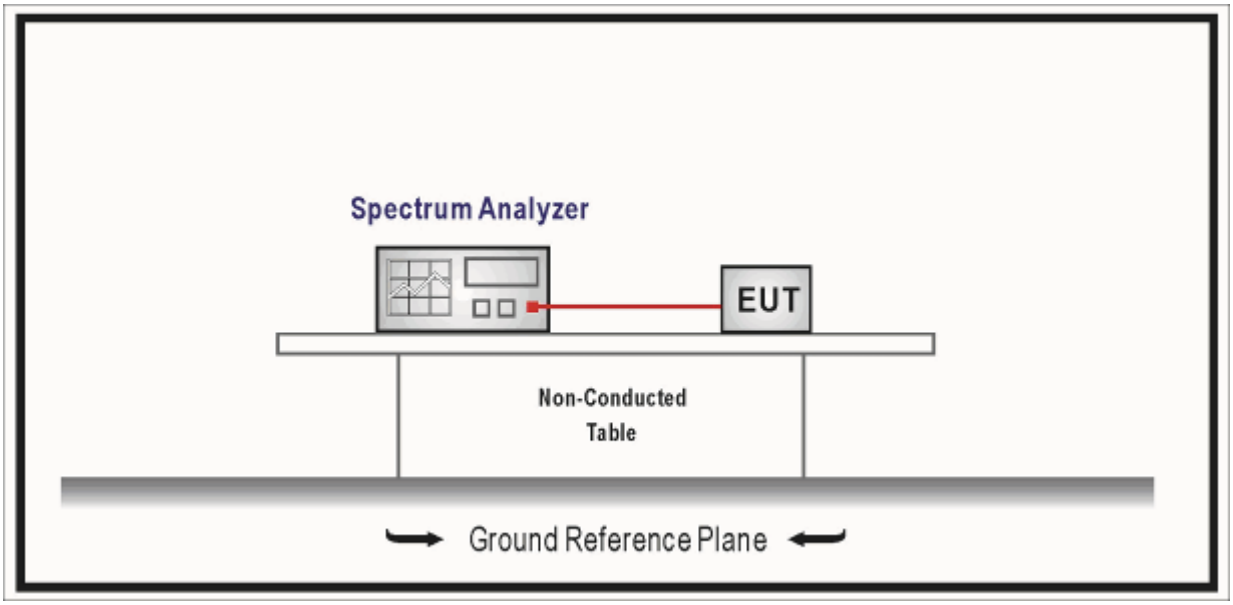
10.1. Test Equipment

Power Spectral Density / TR-8

Instrument	Manufacturer	Type No.	Serial No.	Cali. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2015.01.07
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2015.04.09

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

10.2. Test Setup



10.3. 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.

10.4. Test Procedure

The EUT was tested according to KDB 558074 for compliance to FCC 47CFR 15.247 requirements.
Set analyzer center frequency to DTS channel center frequency, the span to 1.5 times the DTS channel bandwidth, Set 100 kHz ≧RBW ≧ 3 kHz, Set VBW ≧ 3 * RBW, Sweep time = auto couple, Detector = peak, Trace mode = max hold, Allow trace to fully stabilize, use the peak marker function to determine the maximum amplitude level. If measured value exceed limit reduce RBW (no less than 3kHz) and repeat.

10.5. Uncertainty

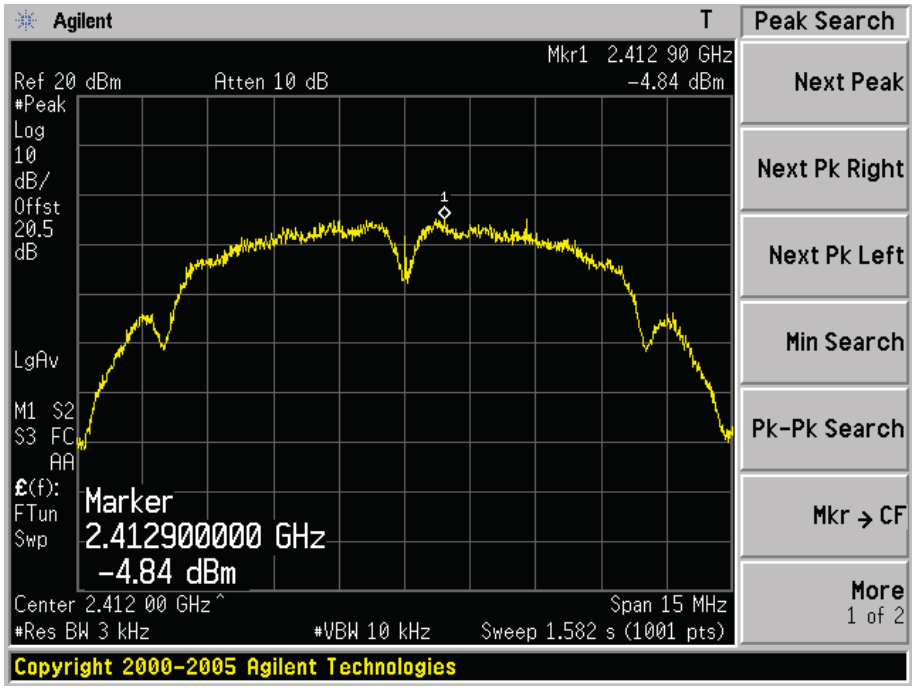
The measurement uncertainty is defined as ± 1.27 dB

10.6. Test Result

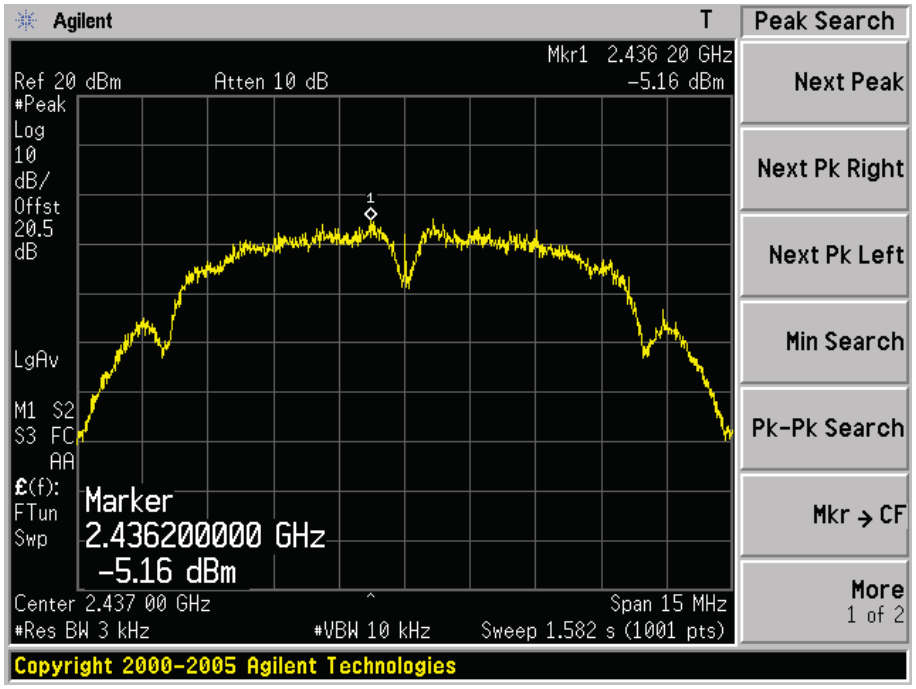
Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Ant 1)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 1	Ant 2			
01	2412	-4.84	N/A	-4.84	8	Pass
06	2437	-5.16	N/A	-5.16	8	Pass
11	2462	-5.63	N/A	-5.63	8	Pass

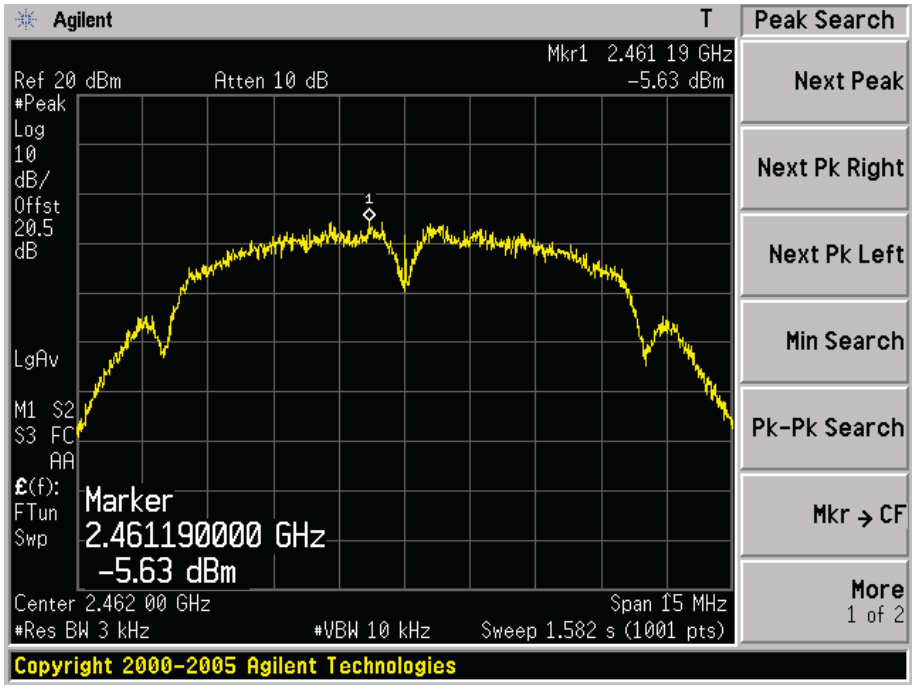
Channel 01 (2412MHz)



Channel 06 (2437MHz)



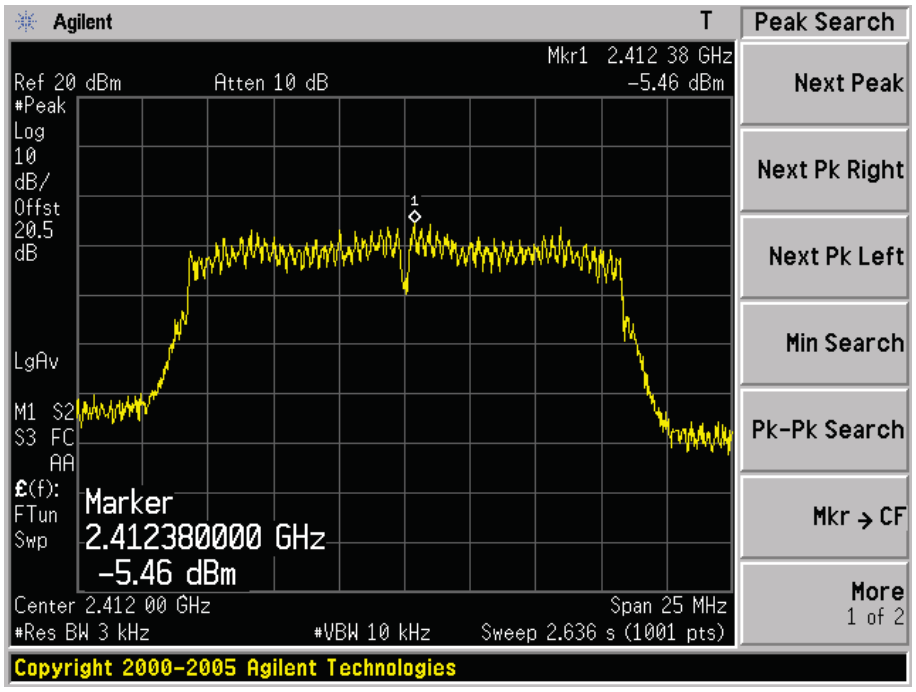
Channel 11 (2462MHz)



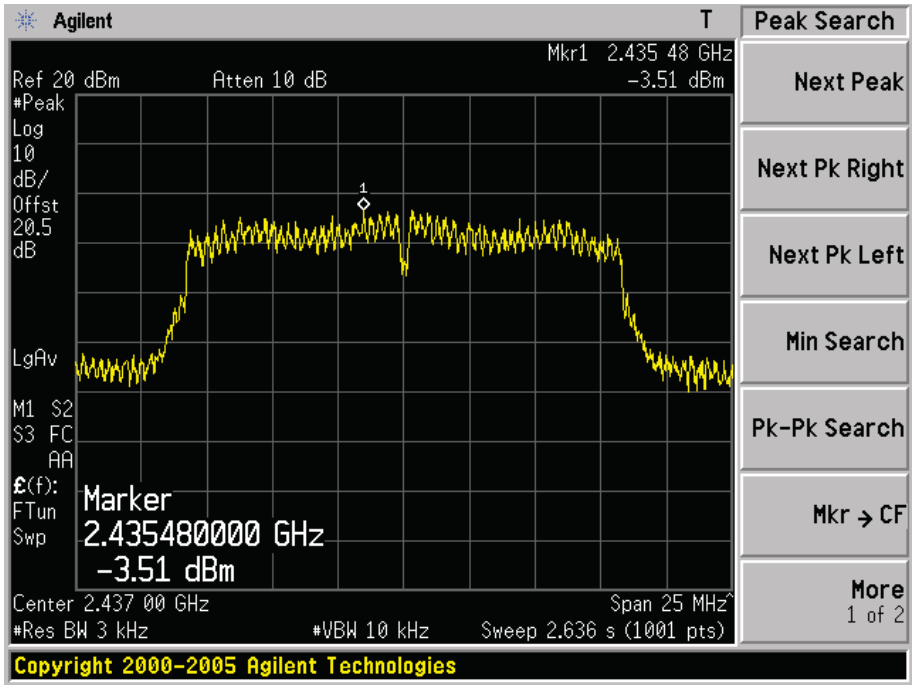
Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Ant 1)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 1	Ant 2			
01	2412	-5.46	N/A	-5.46	8	Pass
06	2437	-3.51	N/A	-3.51	8	Pass
11	2462	-7.43	N/A	-7.43	8	Pass

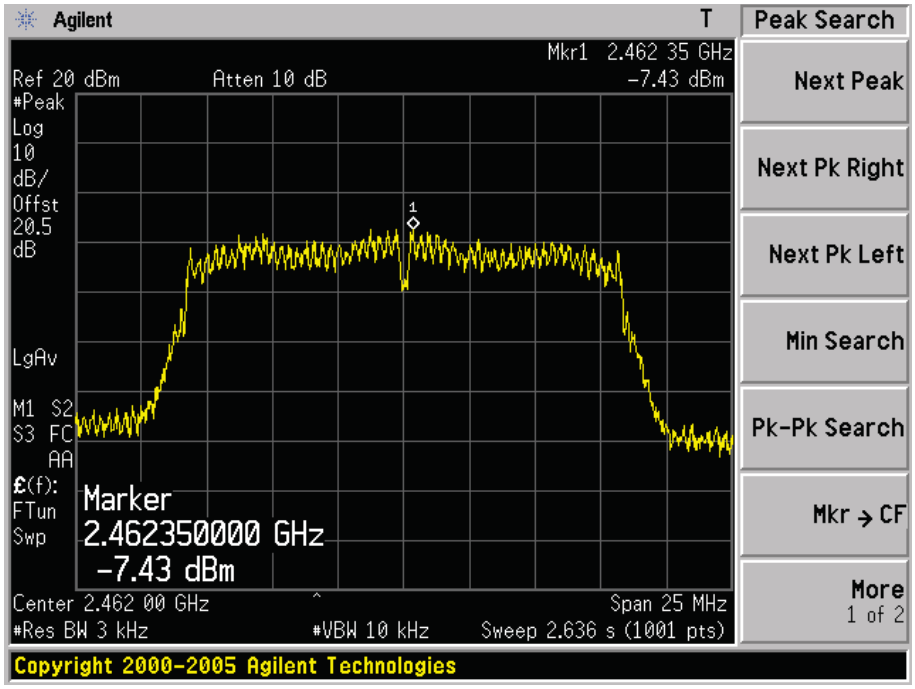
Channel 01 (2412MHz)



Channel 06 (2437MHz)



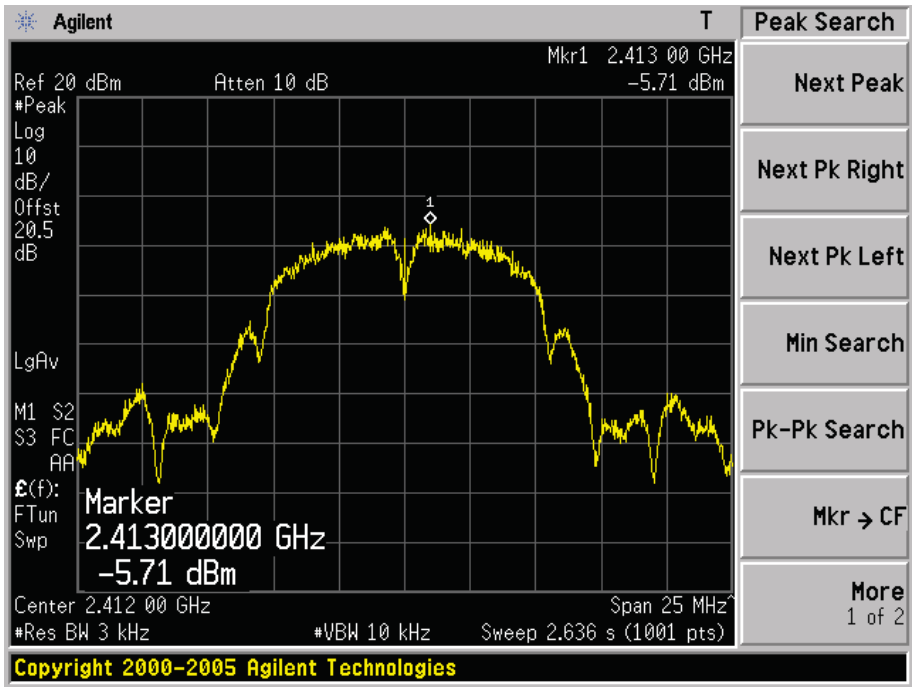
Channel 11 (2462MHz)



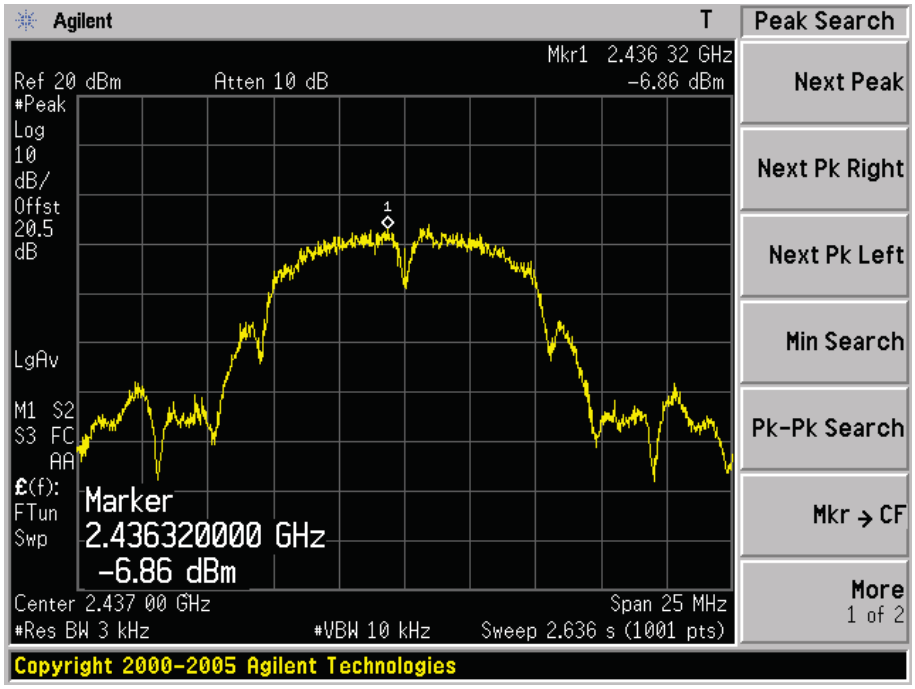
Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Ant 2)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 1	Ant 2			
01	2412	N/A	-5.71	-5.71	8	Pass
06	2437	N/A	-6.86	-6.86	8	Pass
11	2462	N/A	-6.57	-6.57	8	Pass

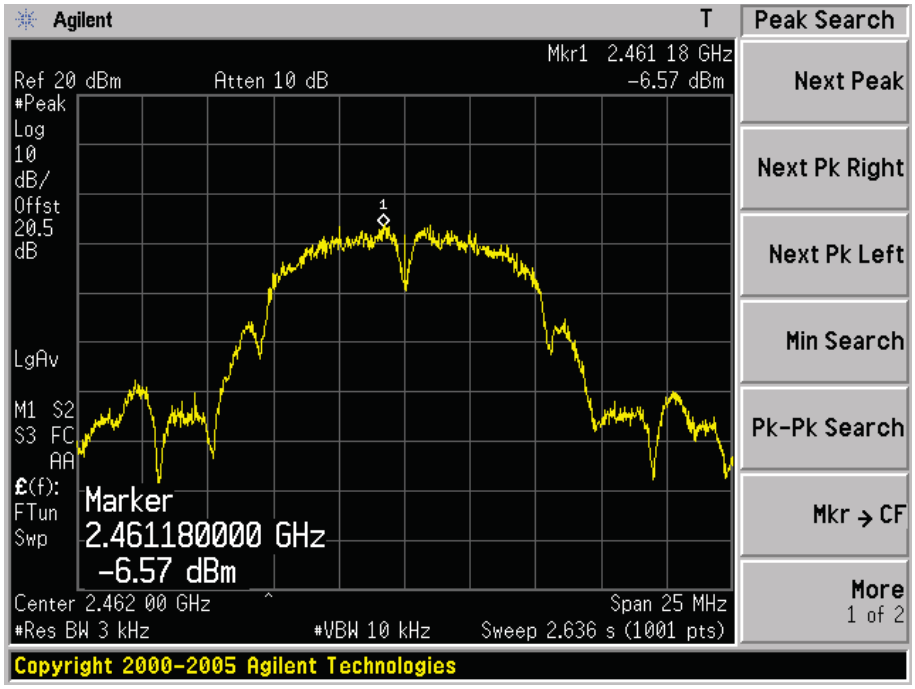
Channel 01 (2412MHz)



Channel 06 (2437MHz)



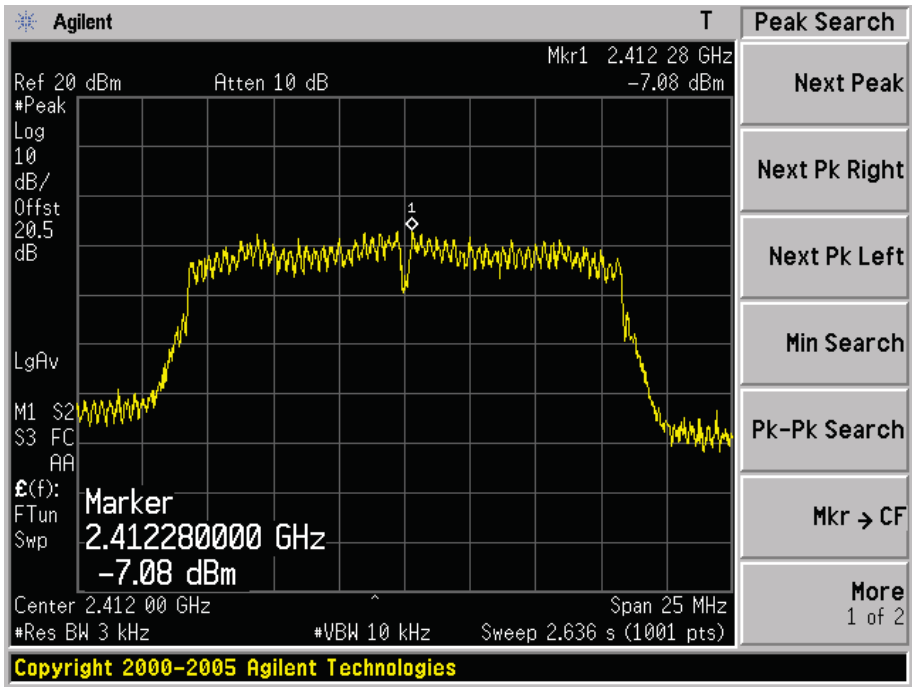
Channel 11 (2462MHz)



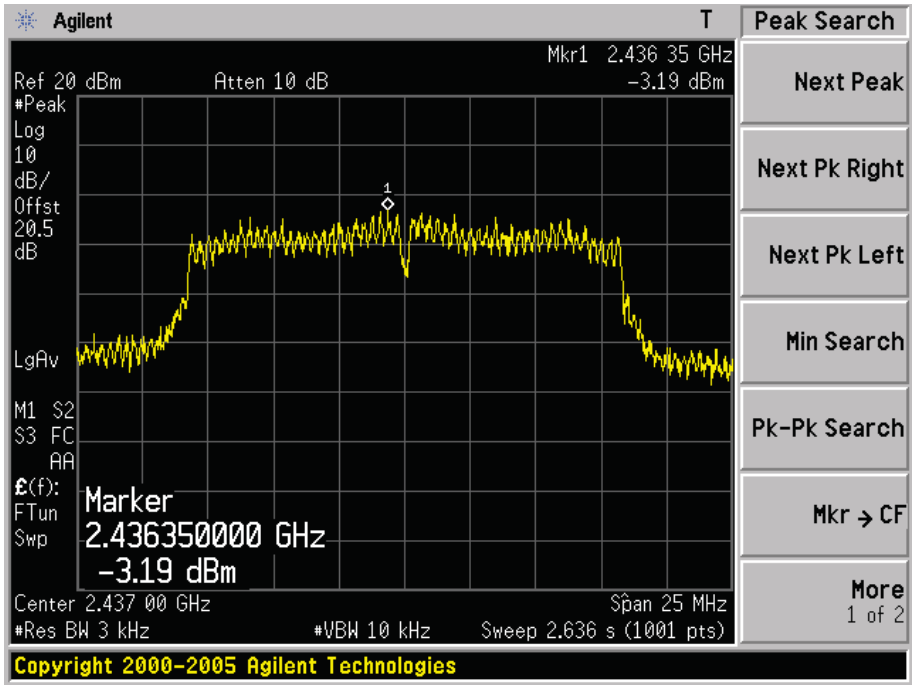
Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Ant 2)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 1	Ant 2			
01	2412	N/A	-7.08	-5.71	8	Pass
06	2437	N/A	-3.19	-6.86	8	Pass
11	2462	N/A	-7.45	-6.57	8	Pass

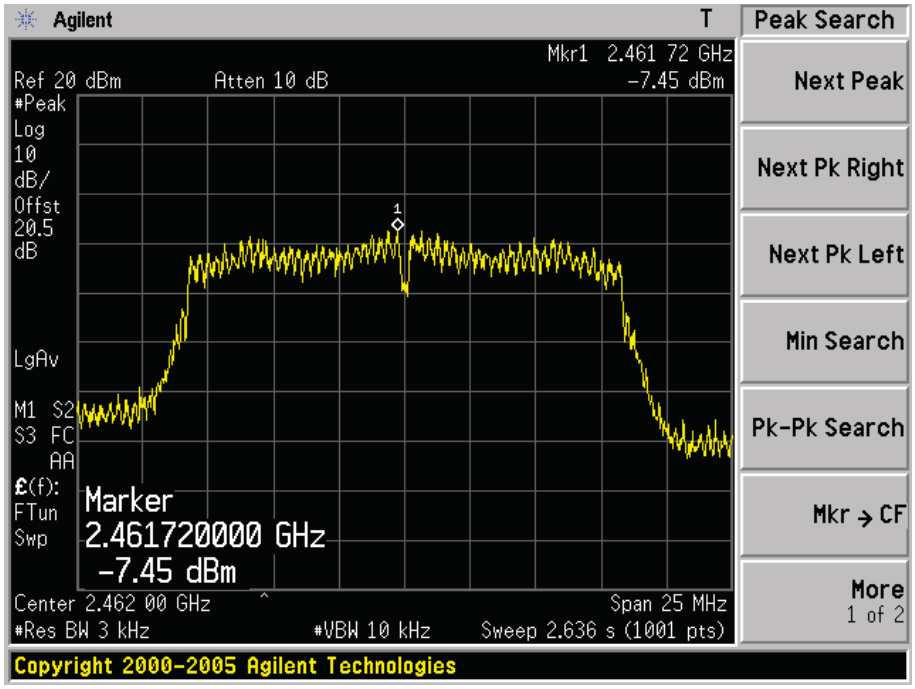
Channel 01 (2412MHz)



Channel 06 (2437MHz)



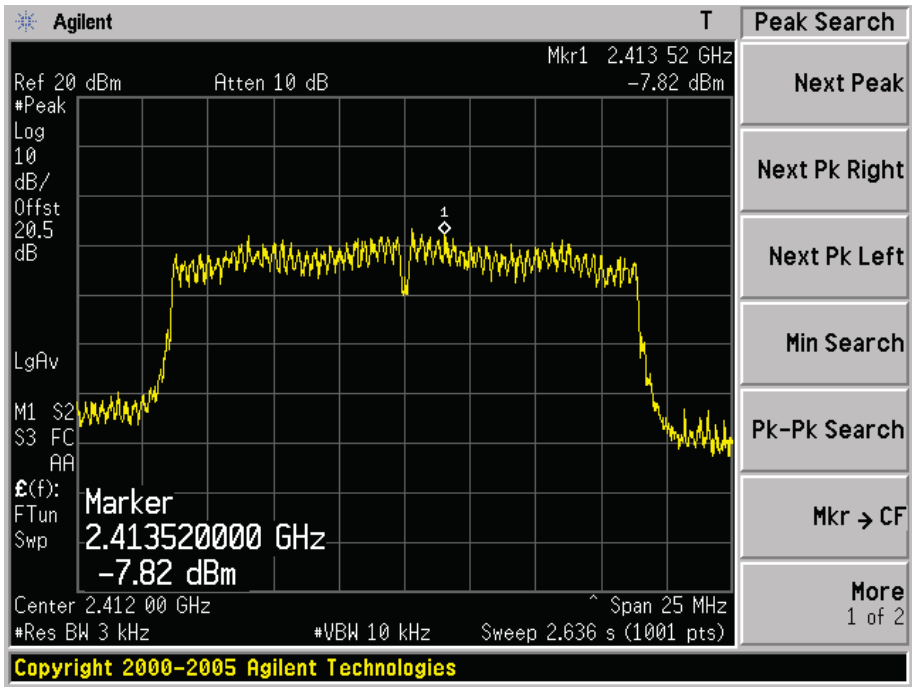
Channel 11 (2462MHz)



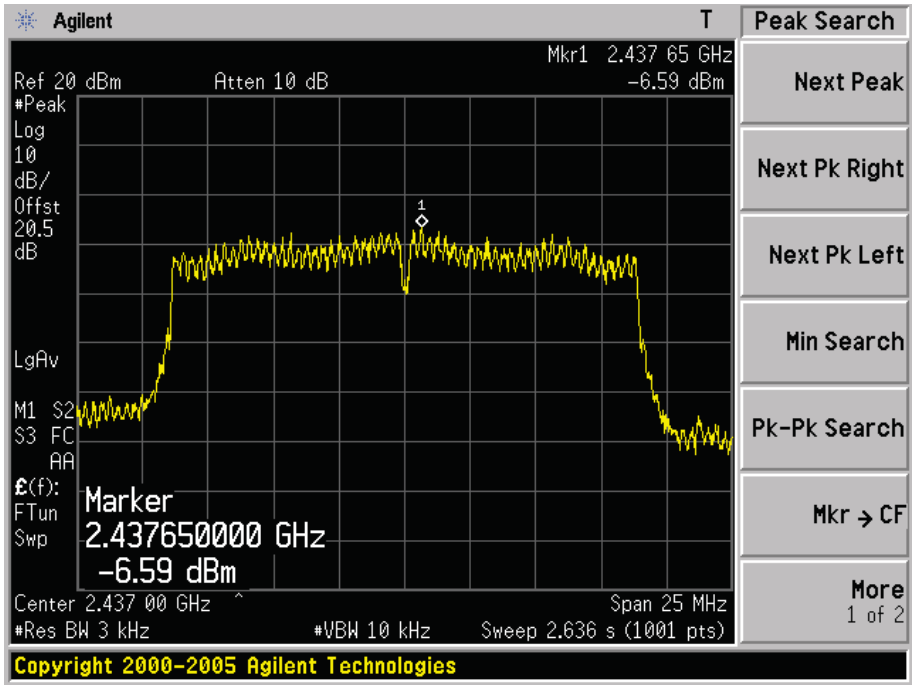
Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n(20MHz) (Ant 1+2)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 1	Ant 2			
01	2412	-7.82	-7.14	-4.46	8	Pass
06	2437	-6.59	-7.24	-3.89	8	Pass
11	2462	-8.25	-6.14	-4.06	8	Pass

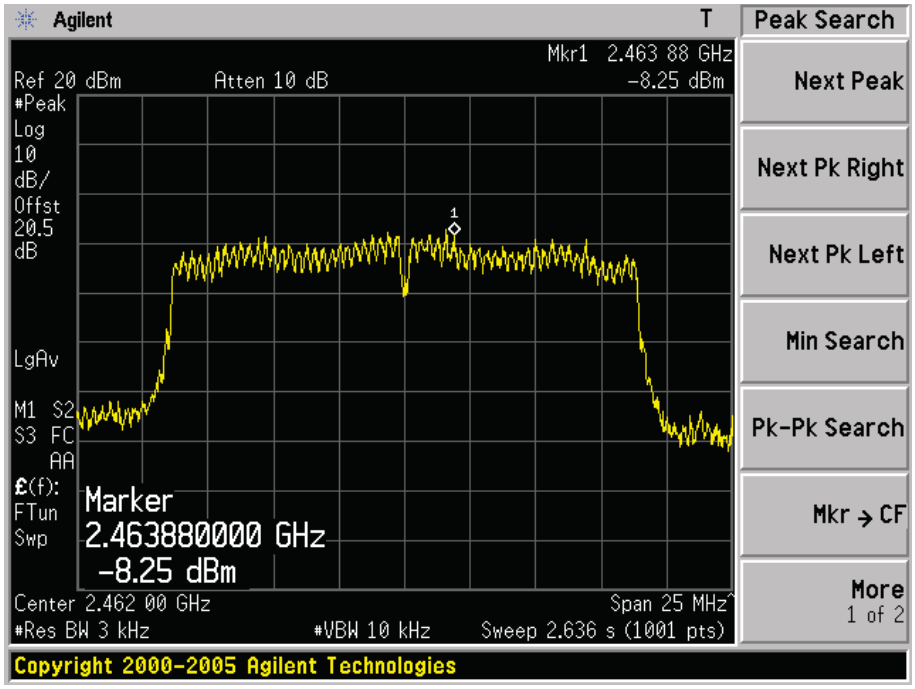
Channel 01 (2412MHz) – Ant 1



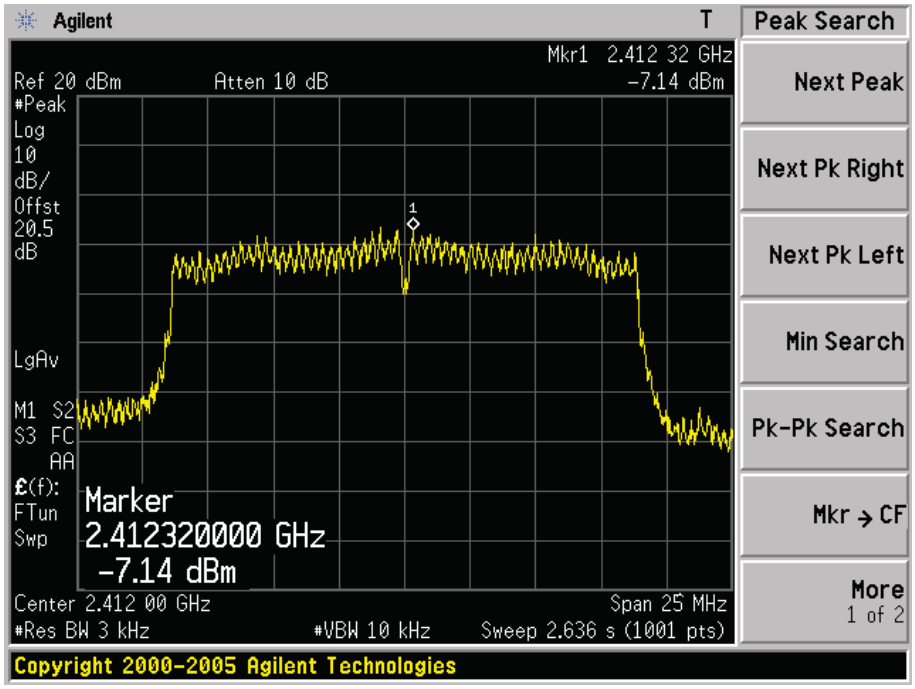
Channel 06 (2437MHz) – Ant 1



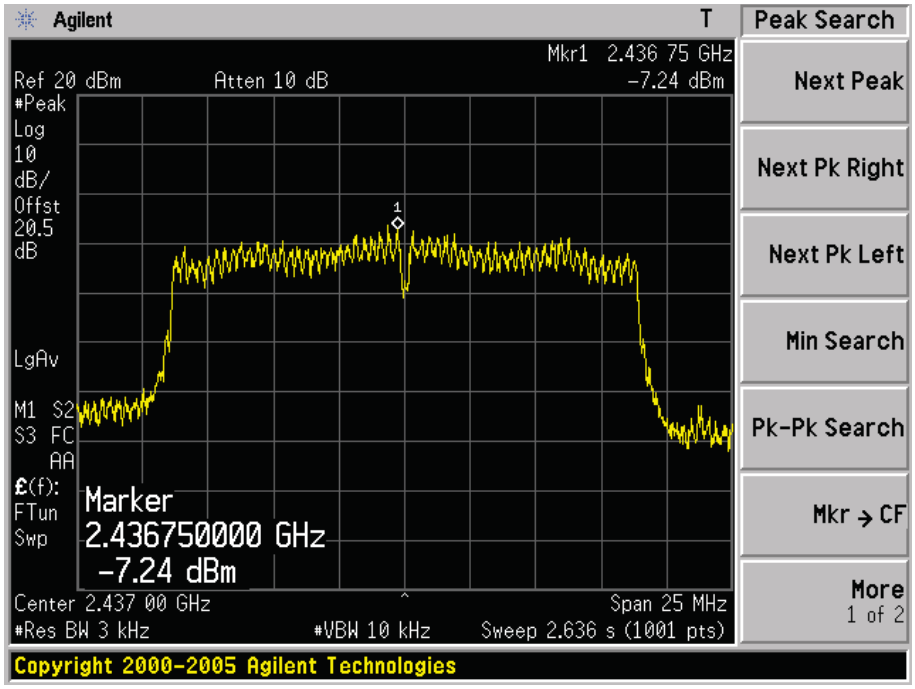
Channel 11 (2462MHz) – Ant 1



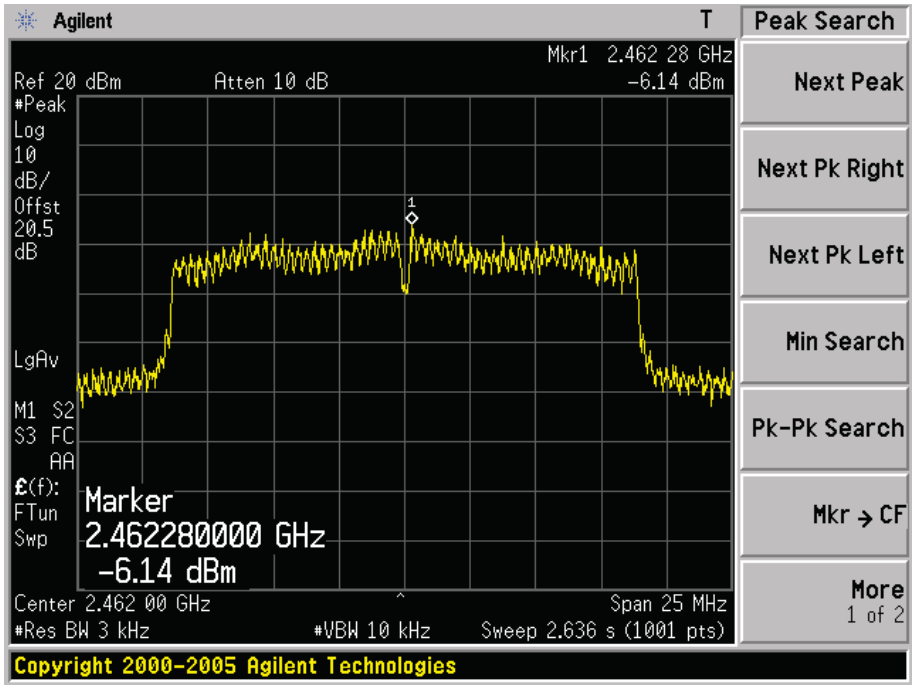
Channel 01 (2412MHz) – Ant 2



Channel 06 (2437MHz) – Ant 2



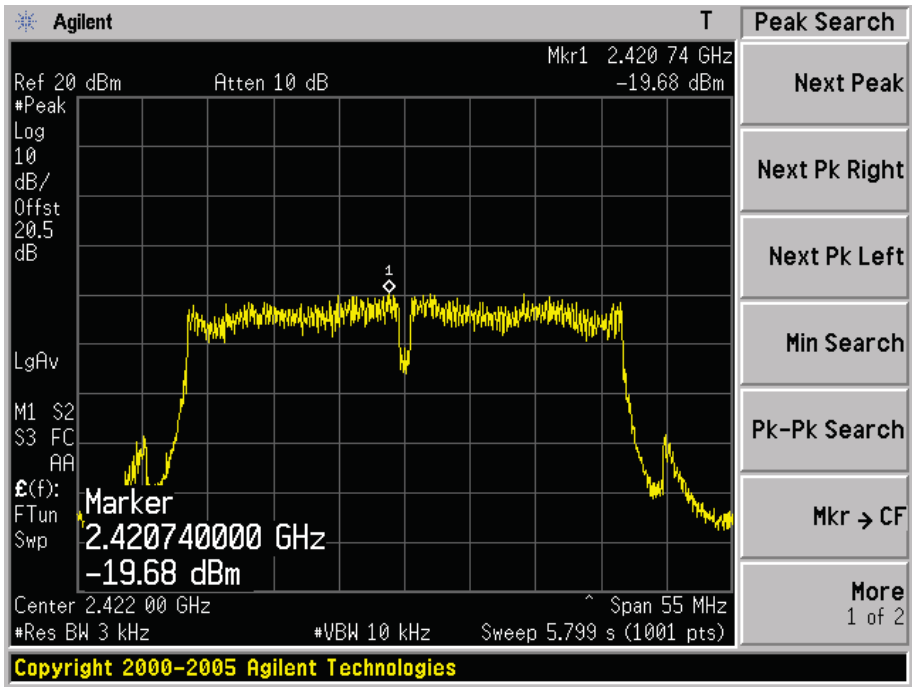
Channel 11 (2462MHz) – Ant 2



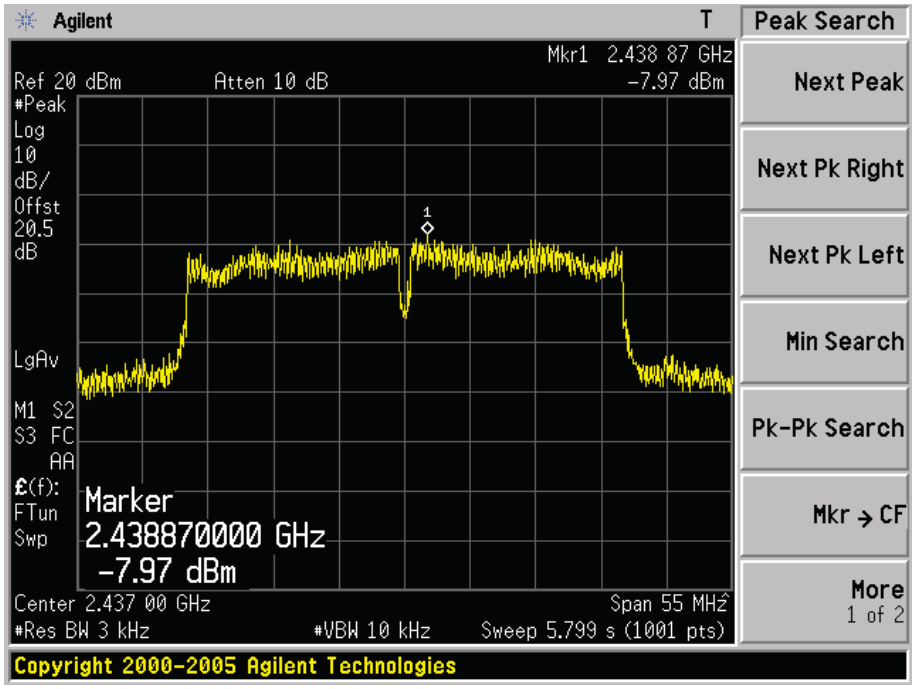
Product	:	Wireless N VDSL2 4-ports Gateway with USB, Wireless N VDSL2 4-ports Gateway without USB
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n(40MHz) (Ant 1+2)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 1	Ant 2			
03	2422	-19.68	-17.83	-15.65	8	Pass
06	2437	-7.97	-7.24	-4.58	8	Pass
09	2452	-17.36	-18.07	-14.69	8	Pass

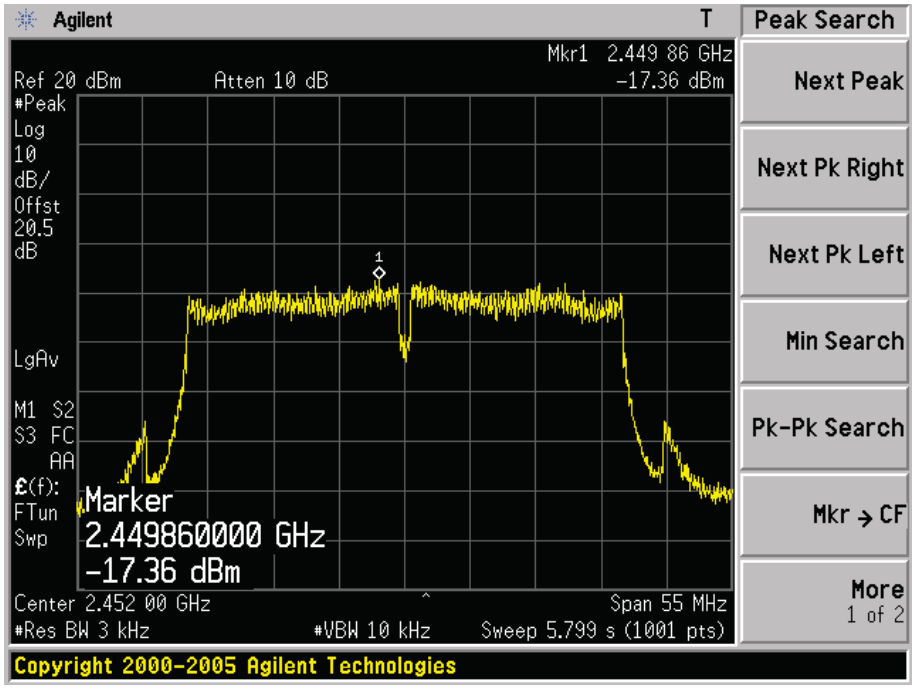
Channel 03 (2422MHz) – Ant 1



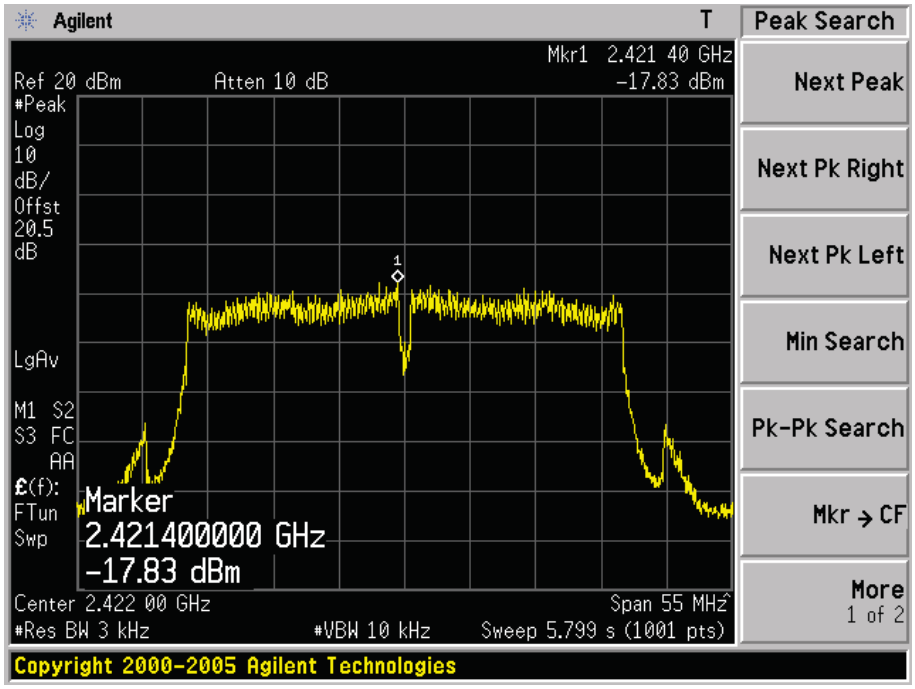
Channel 06 (2437MHz) – Ant 1



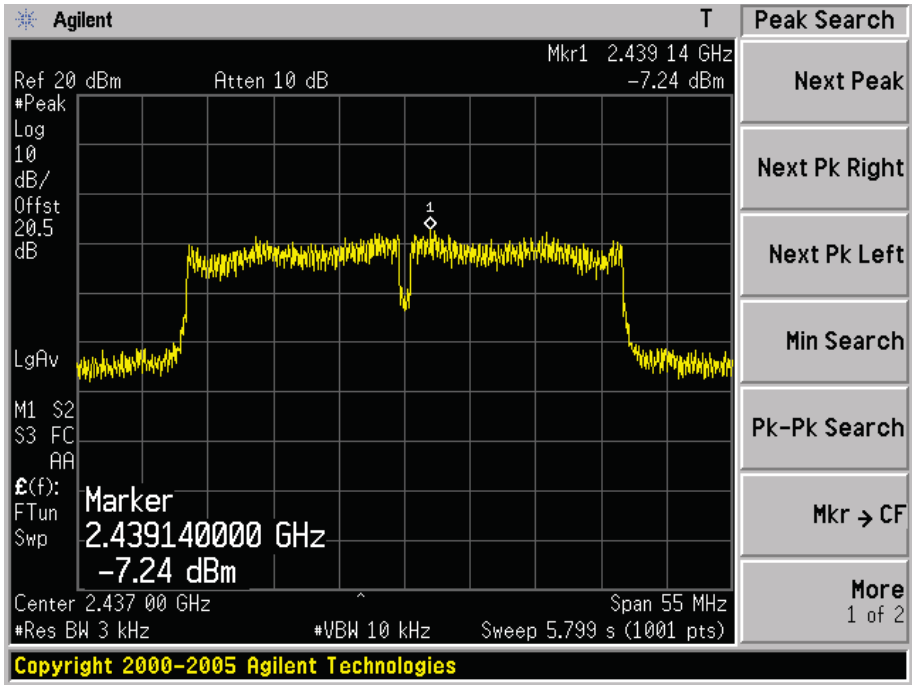
Channel 09 (2452MHz) – Ant 1



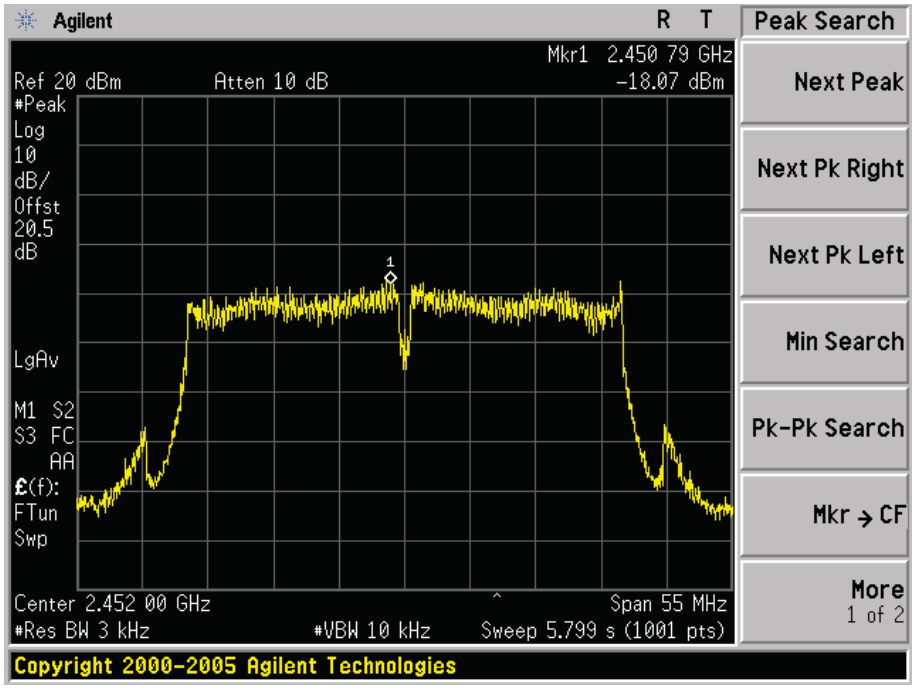
Channel 03 (2422MHz) – Ant 2



Channel 06 (2437MHz) – Ant 2



Channel 09 (2452MHz) – Ant 2



The End