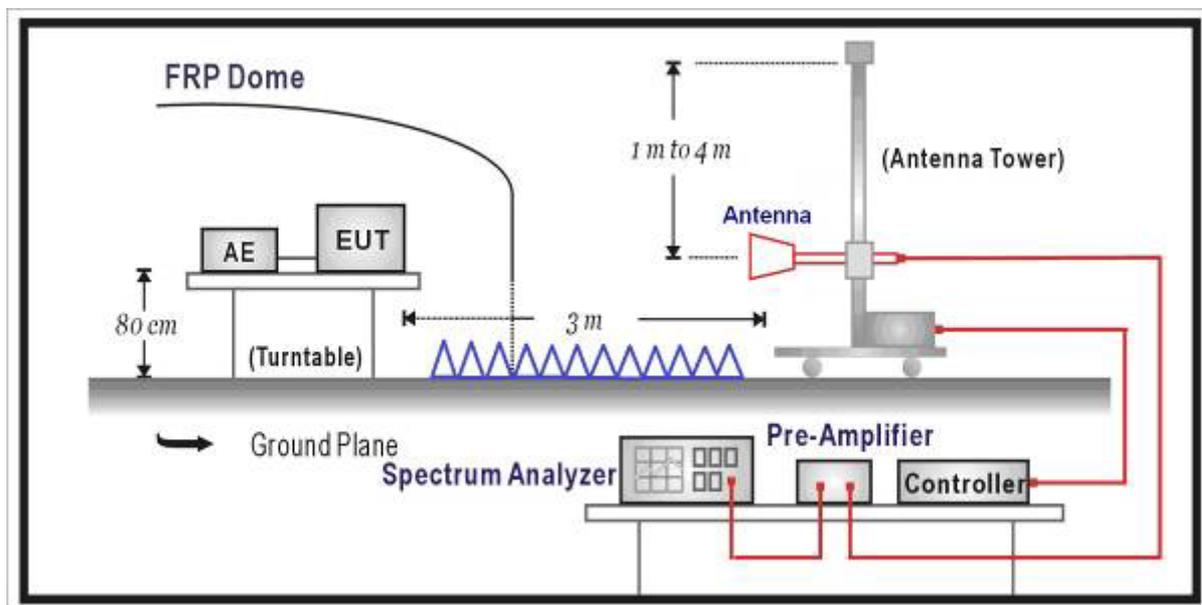


6.2. Test Setup



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:

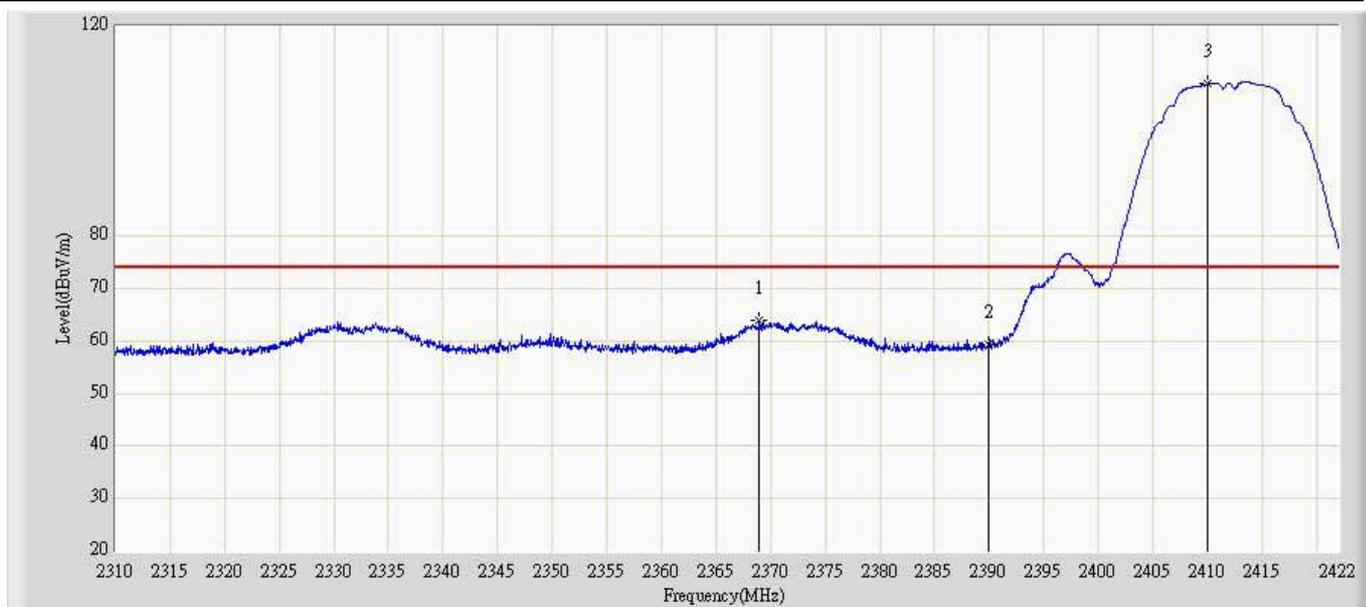
Peak detector: RBW = 1MHz, VBW = 3MHz, sweep time = 200ms;

Average detector: RBW = 1MHz, VBW = 10Hz, sweep time = auto.

Measure Level = Reading Level + Cable Loss + Antenna Factor - Preamplifier Gain

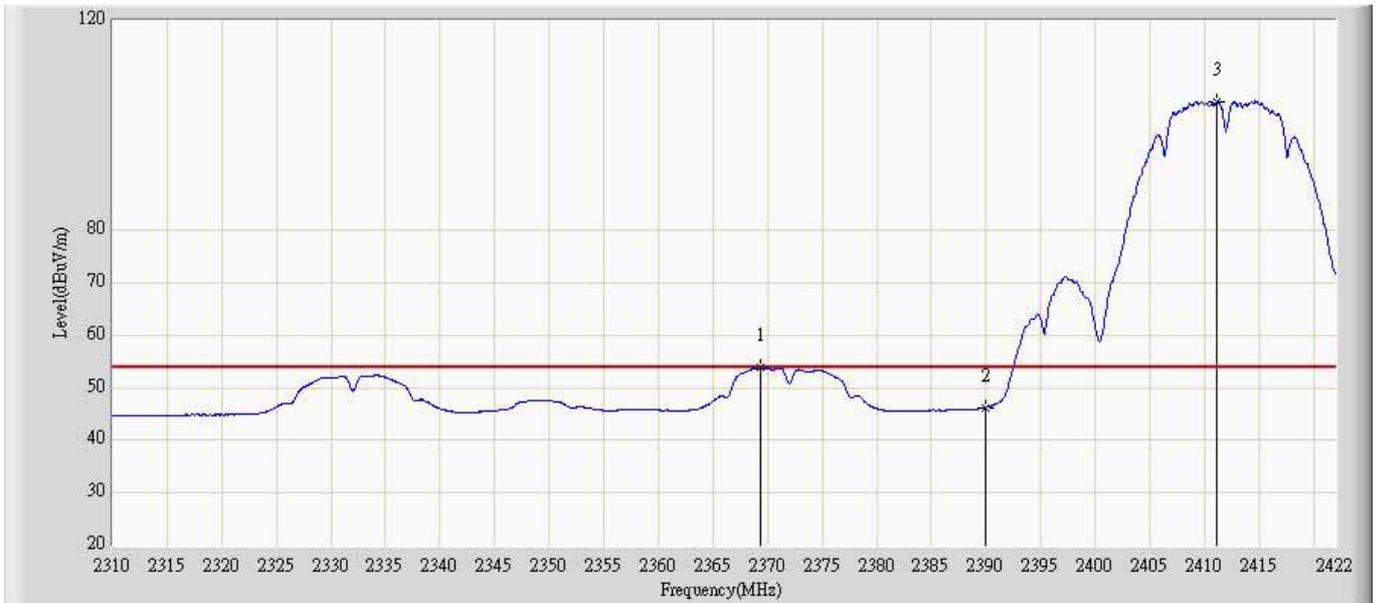
In case the emission is fail due to the used RB/VB is too wide, marker-delta method of FCC Public Notice will be followed.

Site: AC5	Time: 2014/01/11 - 19:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode1: Transmit at channel 2412MHz by 802.11b Ant 0	



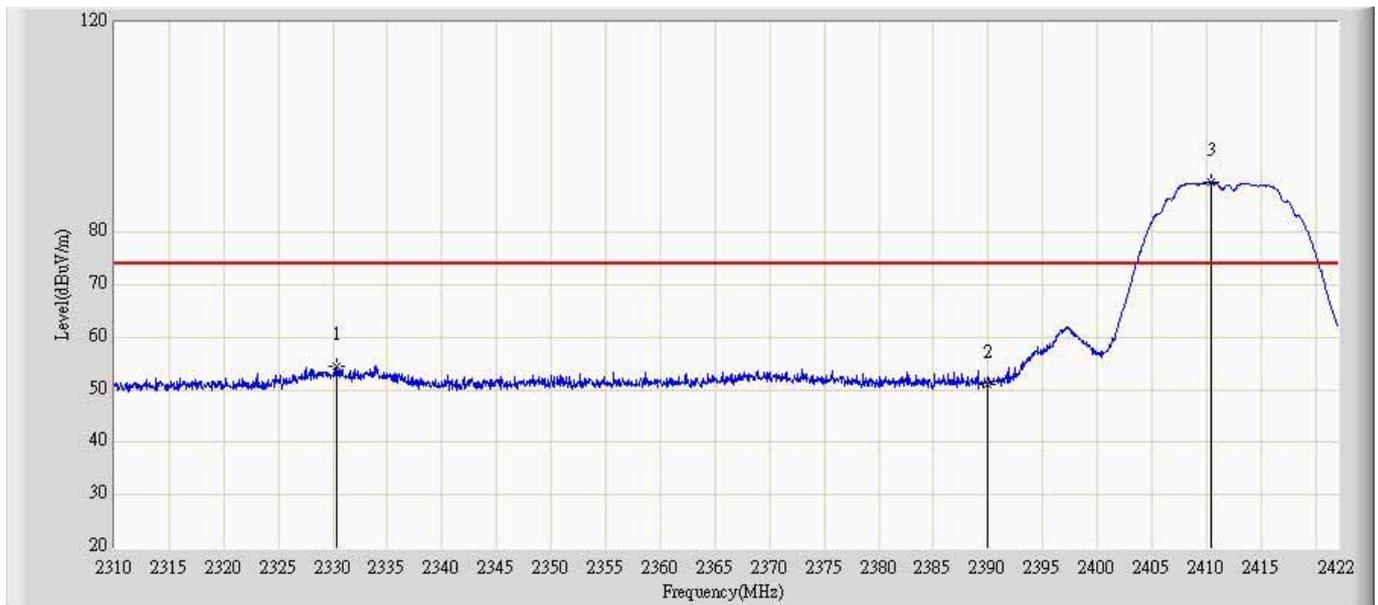
No	Flag	Marker	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2368.968	64.085	27.200	-9.915	74.000	36.885	PK
2			2390.000	59.320	22.333	-14.680	74.000	36.988	PK
3		*	2410.016	108.976	71.889	N/A	N/A	37.087	PK

Site: AC5	Time: 2014/01/11 - 19:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode1: Transmit at channel 2412MHz by 802.11b Ant 0	



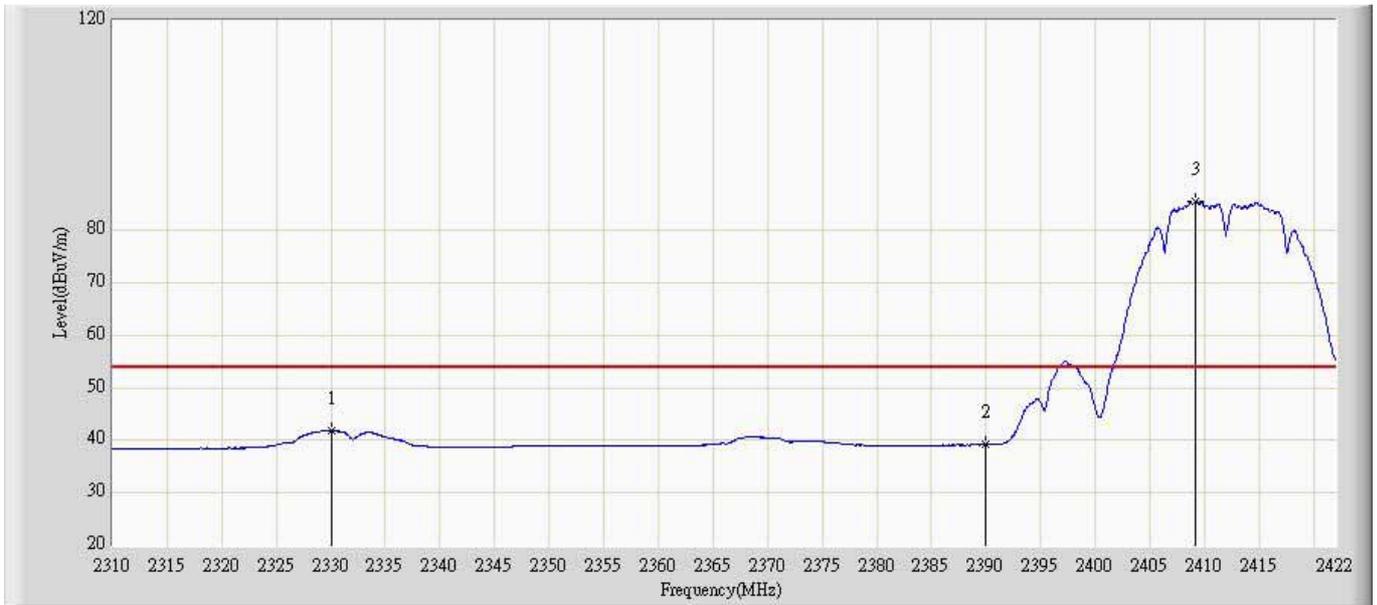
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2369.360	53.797	16.910	-0.203	54.000	36.888	AV
2			2390.000	46.279	9.292	-7.721	54.000	36.988	AV
3		*	2411.136	104.536	67.443	N/A	N/A	37.092	AV

Site: AC5	Time: 2014/01/11 - 19:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode1: Transmit at channel 2412MHz by 802.11b Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2330.384	54.509	17.390	-19.491	74.000	37.119	PK
2			2390.000	50.912	13.265	-23.088	74.000	37.648	PK
3		*	2410.464	89.463	51.632	N/A	N/A	37.831	PK

Site: AC5	Time: 2014/01/11 - 20:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode1: Transmit at channel 2412MHz by 802.11b Ant 0	



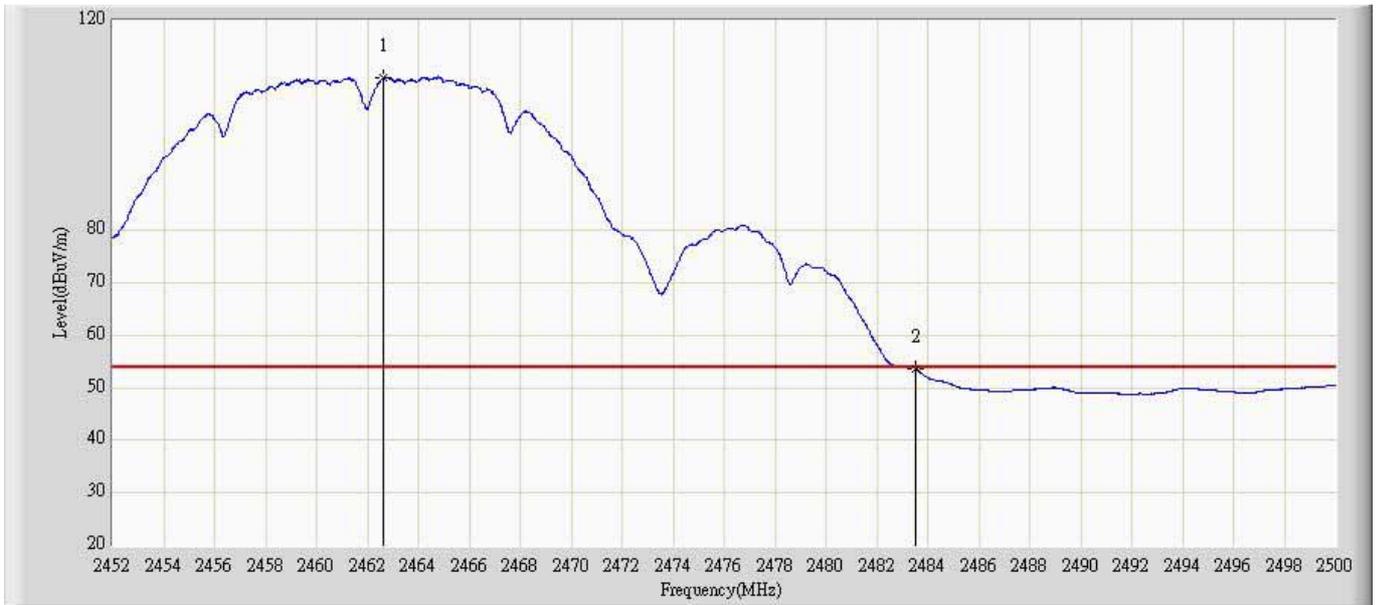
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2329.992	41.755	4.639	-12.245	54.000	37.116	AV
2			2390.000	39.167	1.520	-14.833	54.000	37.648	AV
3		*	2409.232	85.558	47.738	N/A	N/A	37.820	AV

Site: AC5	Time: 2014/01/12 - 09:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode1: Transmit at channel 2462MHz by 802.11b Ant 0	



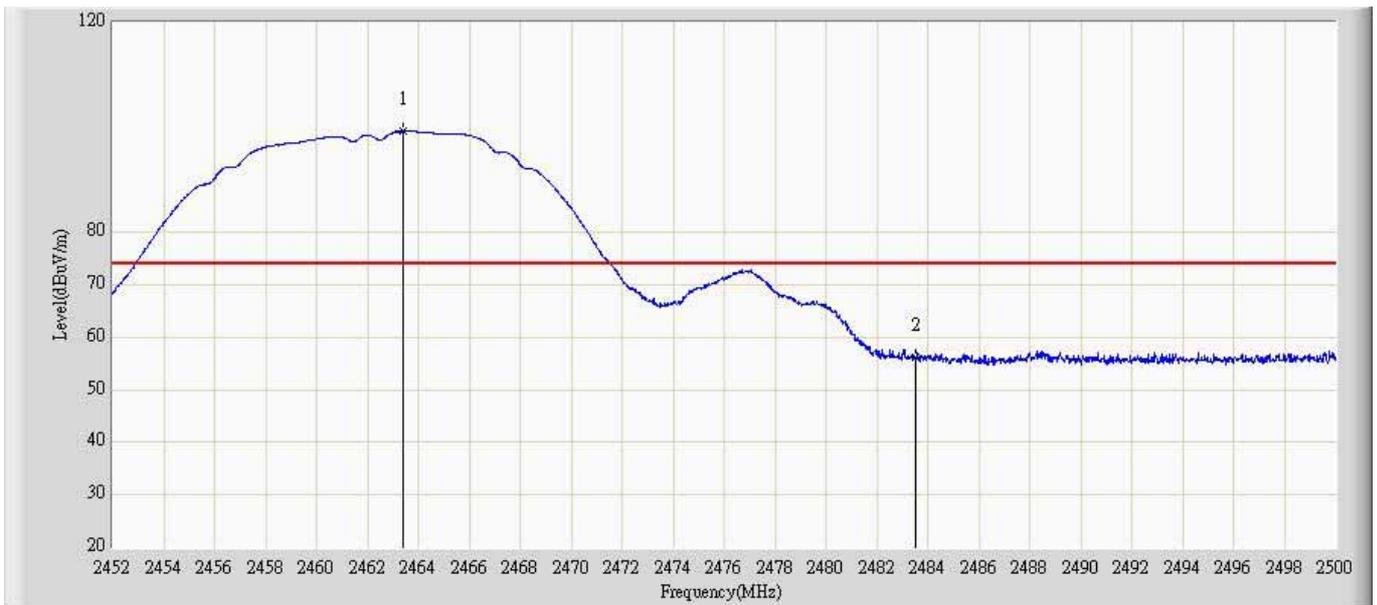
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2463.472	113.487	76.143	N/A	N/A	37.344	PK
2			2483.500	63.964	26.523	-10.036	74.000	37.441	PK

Site: AC5	Time: 2014/01/12 - 09:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode1: Transmit at channel 2462MHz by 802.11b Ant 0	



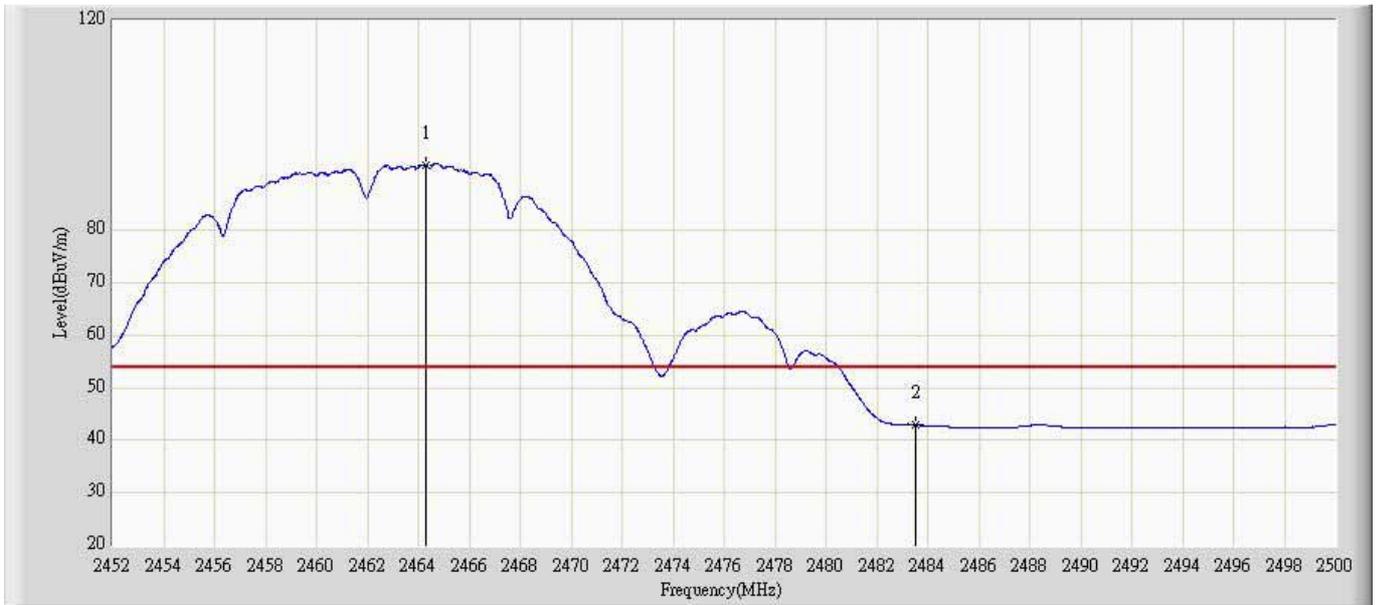
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1	X	*	2462.608	109.003	71.663	N/A	N/A	37.340	AV
2			2483.500	53.736	16.295	-0.264	54.000	37.441	AV

Site: AC5	Time: 2014/01/12 - 09:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode1: Transmit at channel 2462MHz by 802.11b Ant 0	



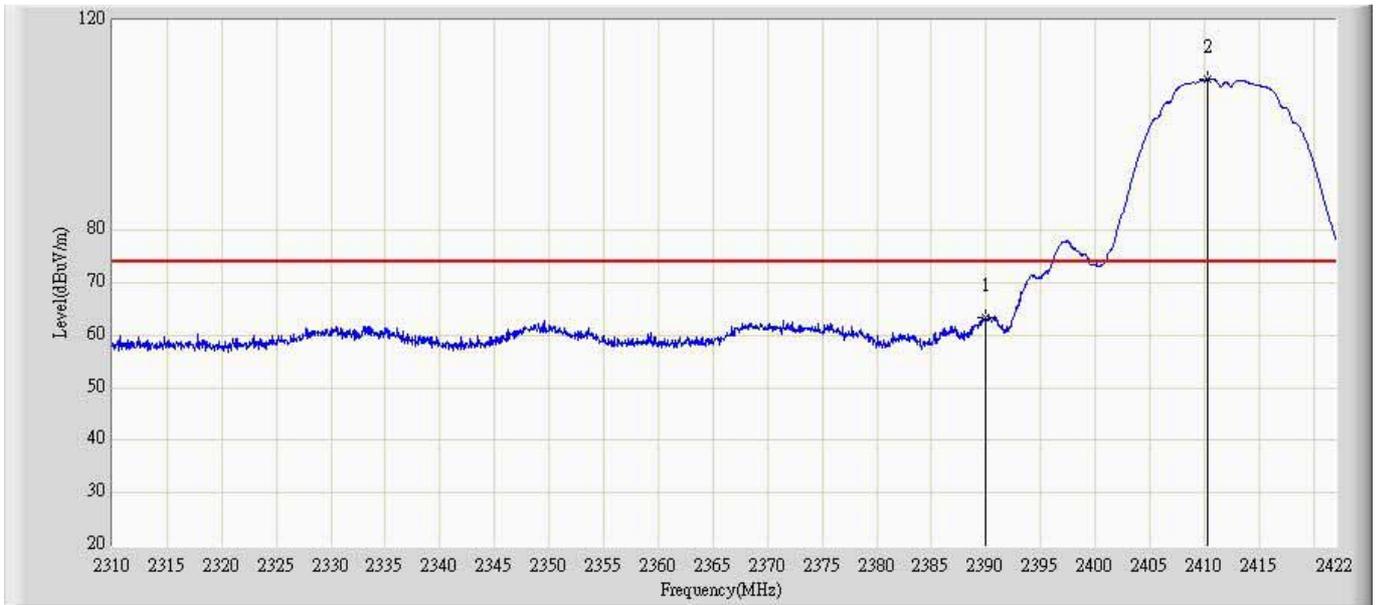
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2463.400	99.227	60.930	N/A	N/A	38.298	PK
2			2483.500	56.208	17.733	-17.792	74.000	38.475	PK

Site: AC5	Time: 2014/01/12 - 09:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode1: Transmit at channel 2462MHz by 802.11b Ant 0	



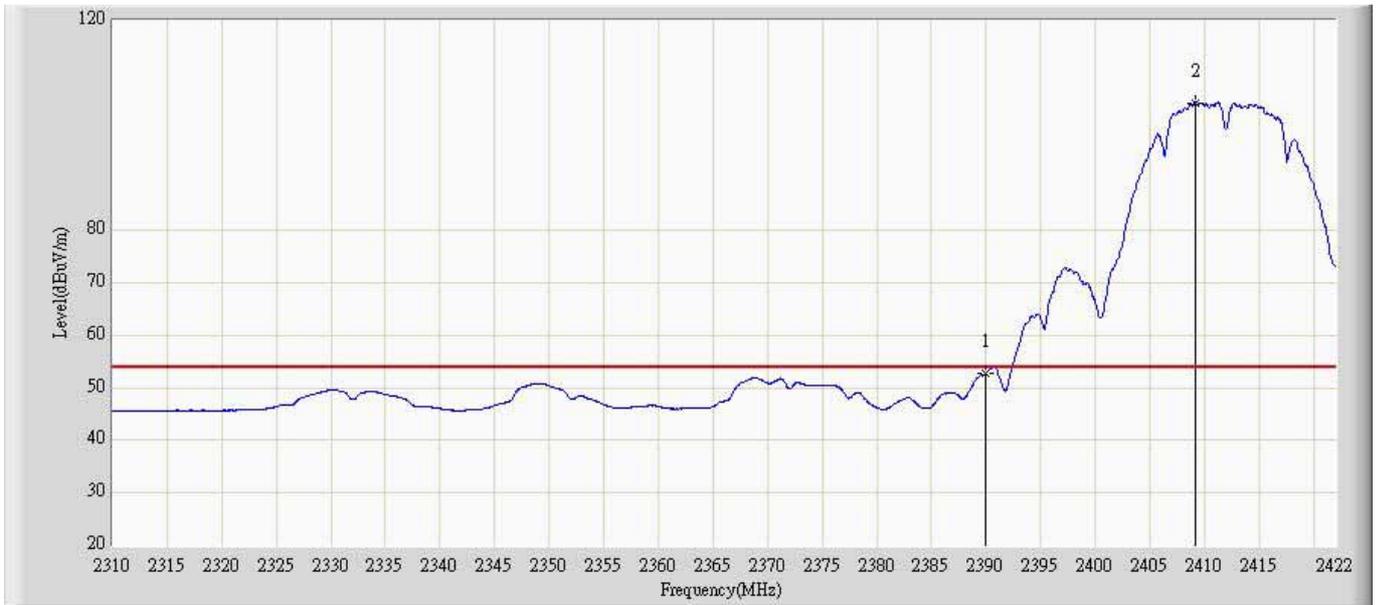
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2464.288	92.538	54.233	N/A	N/A	38.305	AV
2			2483.500	42.992	4.517	-11.008	54.000	38.475	AV

Site: AC5	Time: 2014/01/11 - 20:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode1: Transmit at channel 2412MHz by 802.11b Ant 1	



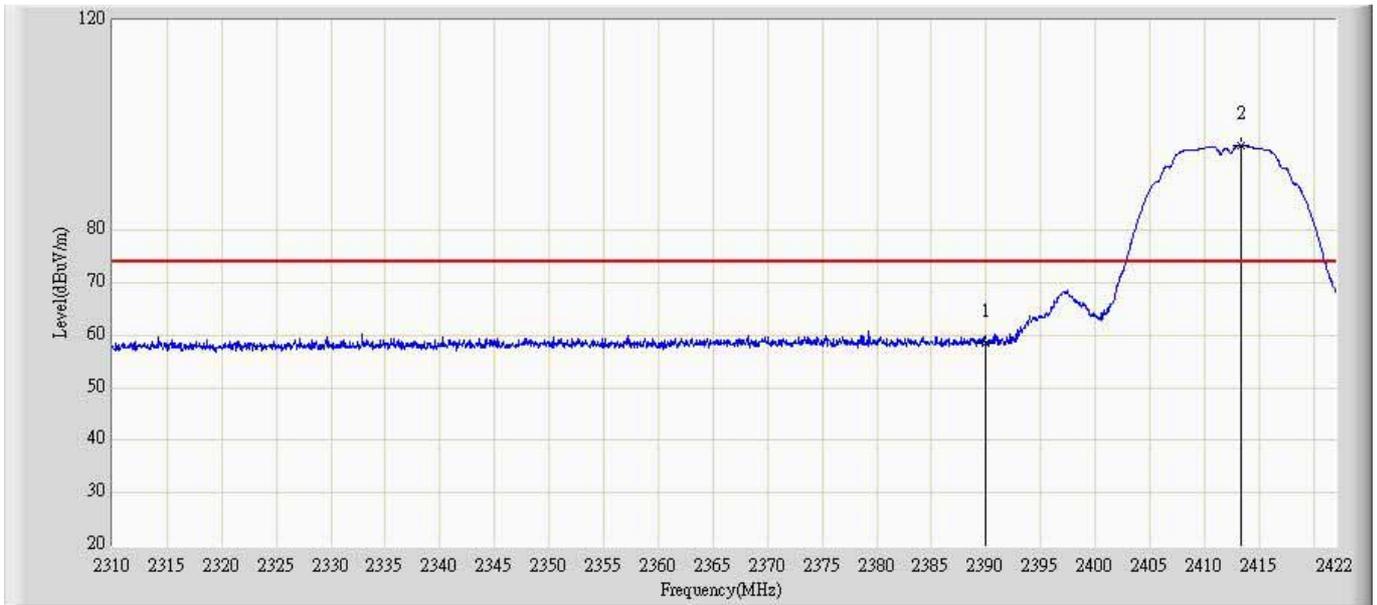
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	63.272	26.285	-10.728	74.000	36.988	PK
2		*	2410.296	108.733	71.645	N/A	N/A	37.088	PK

Site: AC5	Time: 2014/01/11 - 20:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode1: Transmit at channel 2412MHz by 802.11b Ant 1	



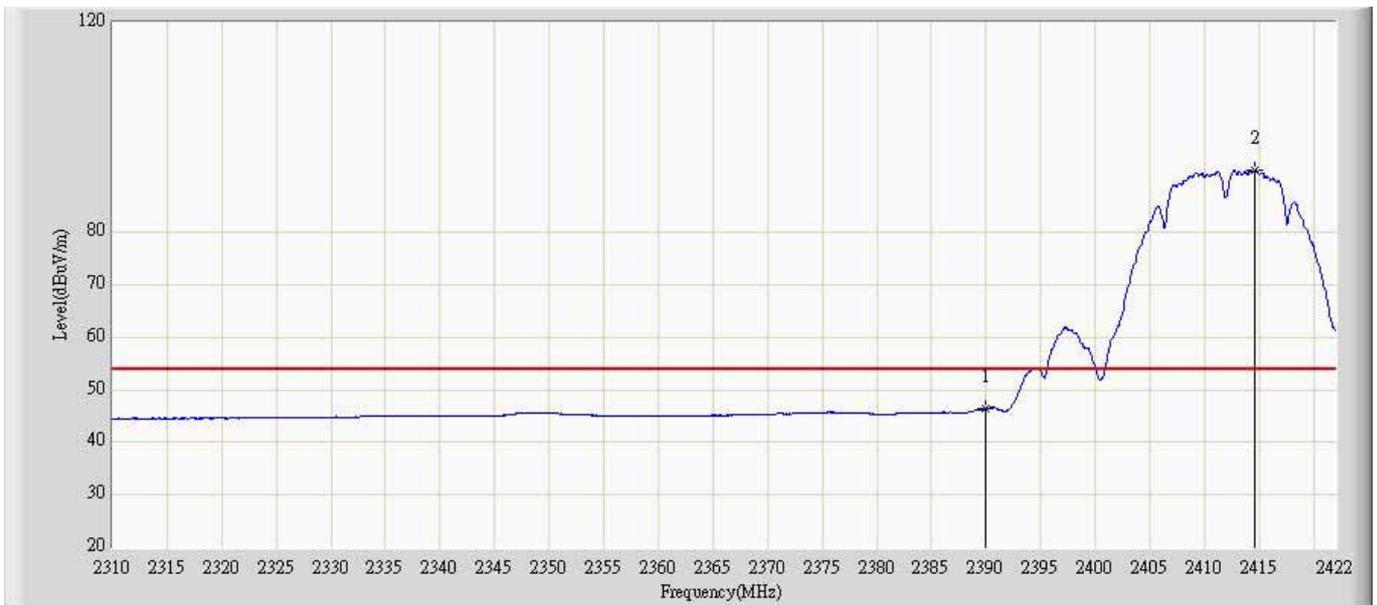
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	52.806	15.819	-1.194	54.000	36.988	AV
2		*	2409.120	104.335	67.252	N/A	N/A	37.082	AV

Site: AC5	Time: 2014/01/11 - 20:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode1: Transmit at channel 2412MHz by 802.11b Ant 1	



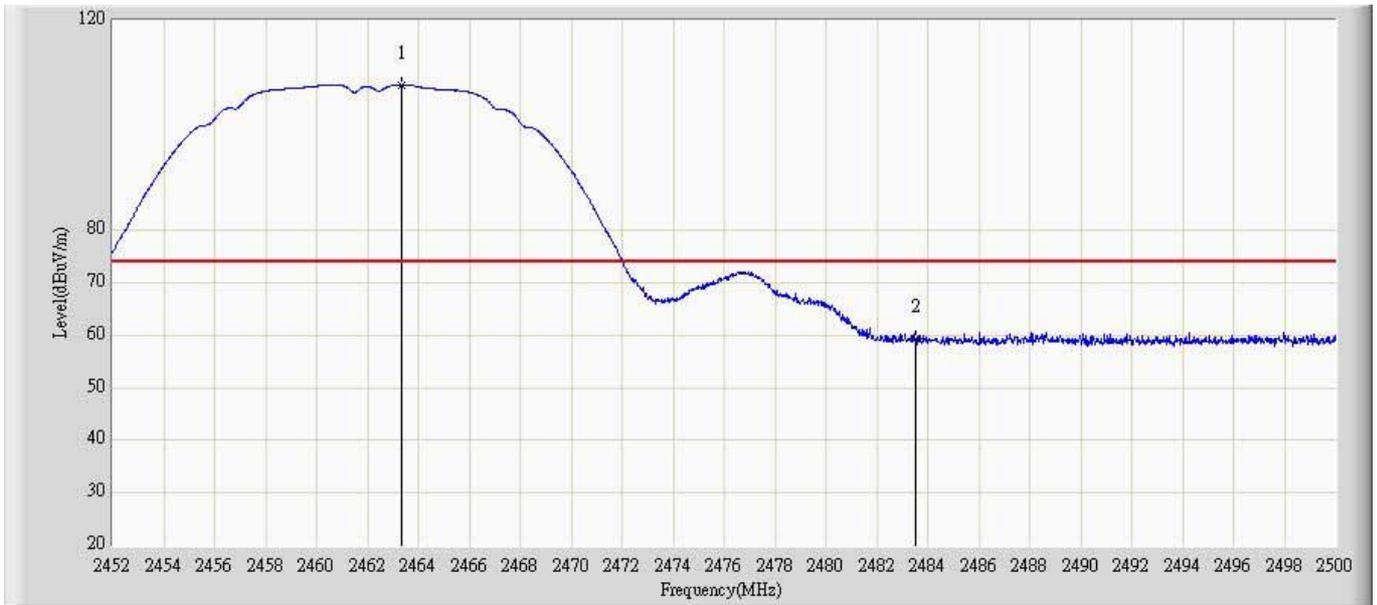
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	58.614	20.967	-15.386	74.000	37.648	PK
2		*	2413.432	96.125	58.268	N/A	N/A	37.857	PK

Site: AC5	Time: 2014/01/11 - 20:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode1: Transmit at channel 2412MHz by 802.11b Ant 1	



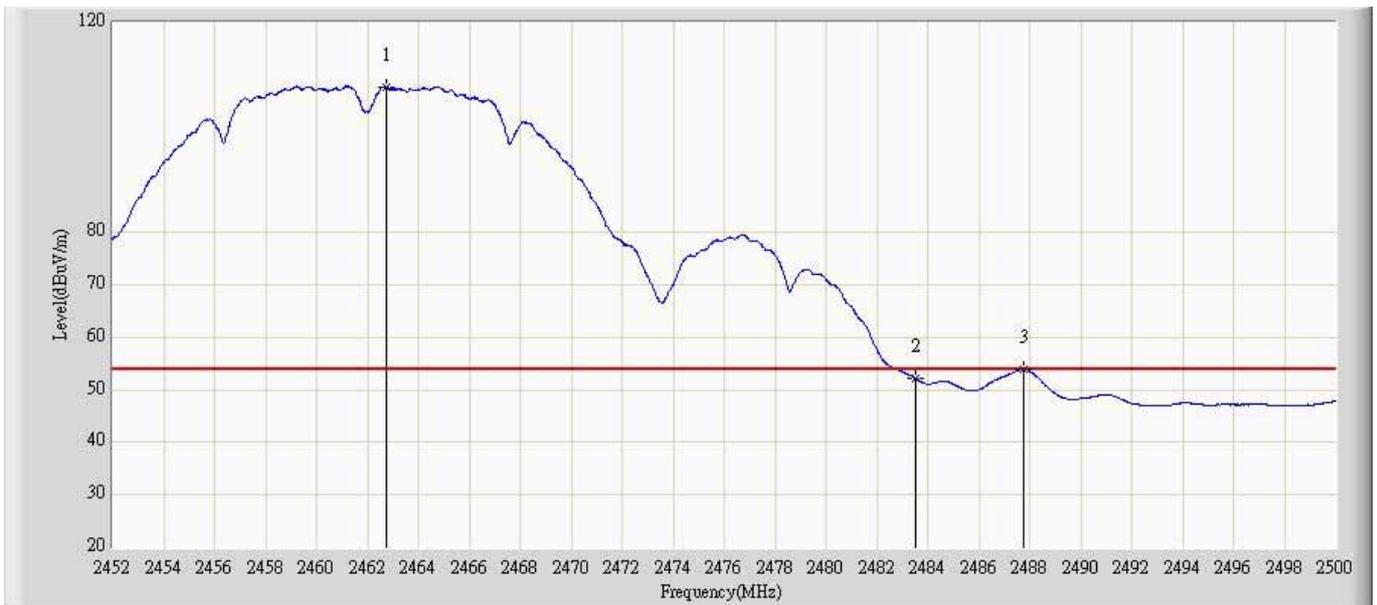
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	46.430	8.783	-7.570	54.000	37.648	AV
2		*	2414.664	91.898	54.030	N/A	N/A	37.869	AV

Site: AC5	Time: 2014/01/11 - 20:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode1: Transmit at channel 2462MHz by 802.11b Ant 1	



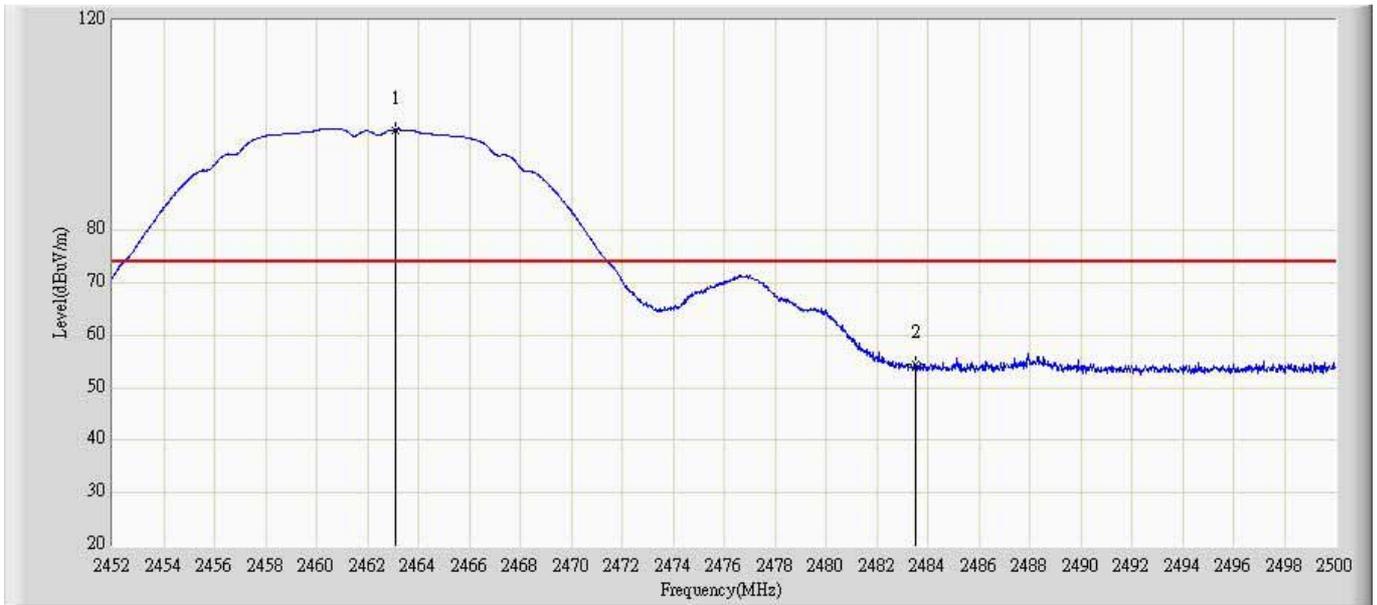
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2463.328	107.653	70.310	N/A	N/A	37.344	PK
2			2483.500	59.242	21.801	-14.758	74.000	37.441	PK

Site: AC5	Time: 2014/01/11 - 20:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode1: Transmit at channel 2462MHz by 802.11b Ant 1	



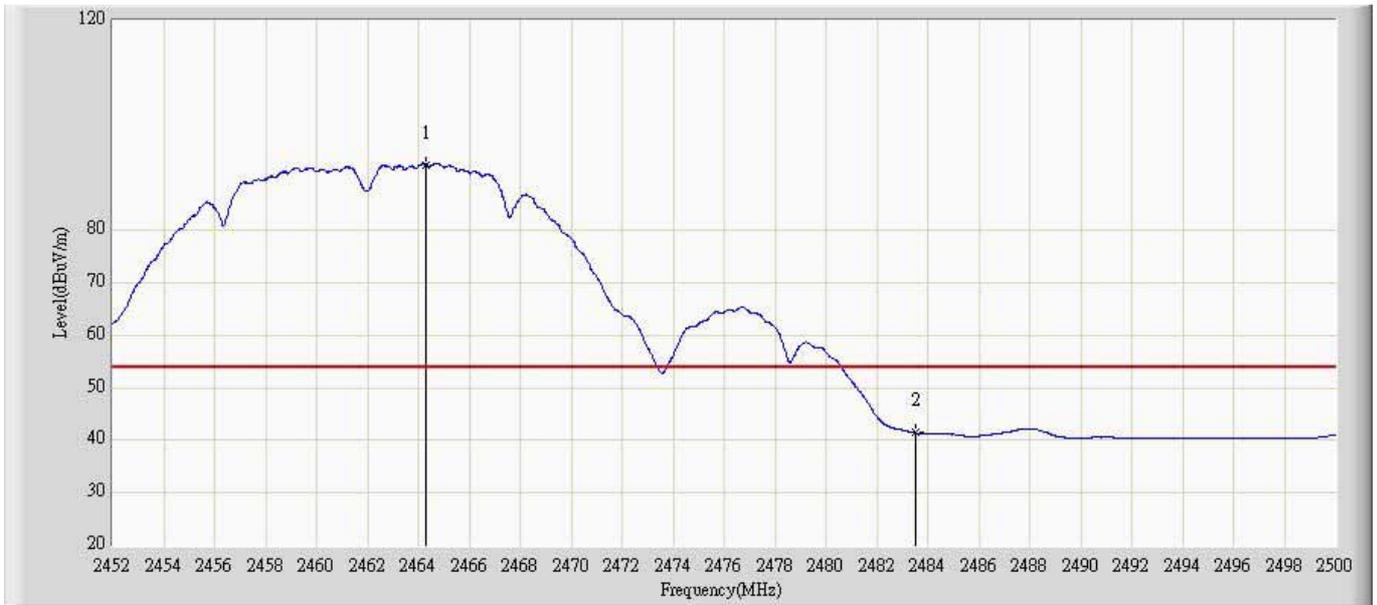
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2462.752	107.775	70.434	N/A	N/A	37.341	AV
2			2483.500	52.222	14.781	-1.778	54.000	37.441	AV
3			2487.736	53.940	16.478	-0.060	54.000	37.462	AV

Site: AC5	Time: 2014/01/11 - 20:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode1: Transmit at channel 2462MHz by 802.11b Ant 1	



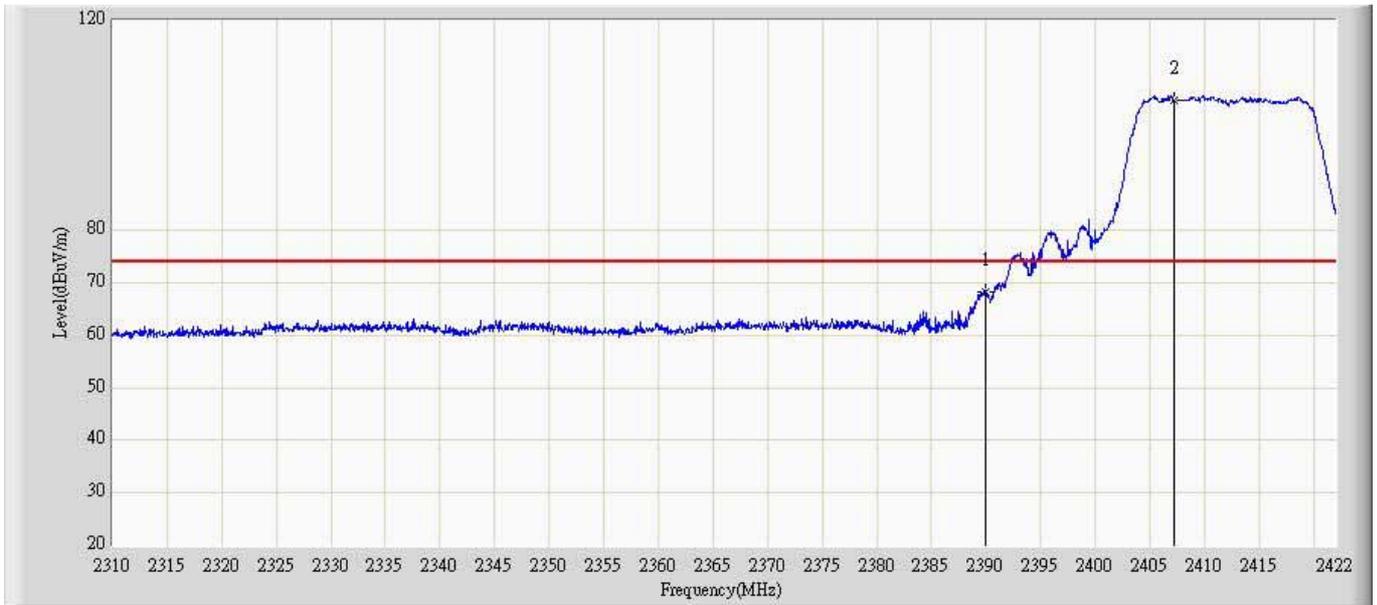
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2463.088	99.150	60.855	N/A	N/A	38.294	PK
2			2483.500	54.348	15.873	-19.652	74.000	38.475	PK

Site: AC5	Time: 2014/01/11 - 20:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode1: Transmit at channel 2462MHz by 802.11b Ant 1	



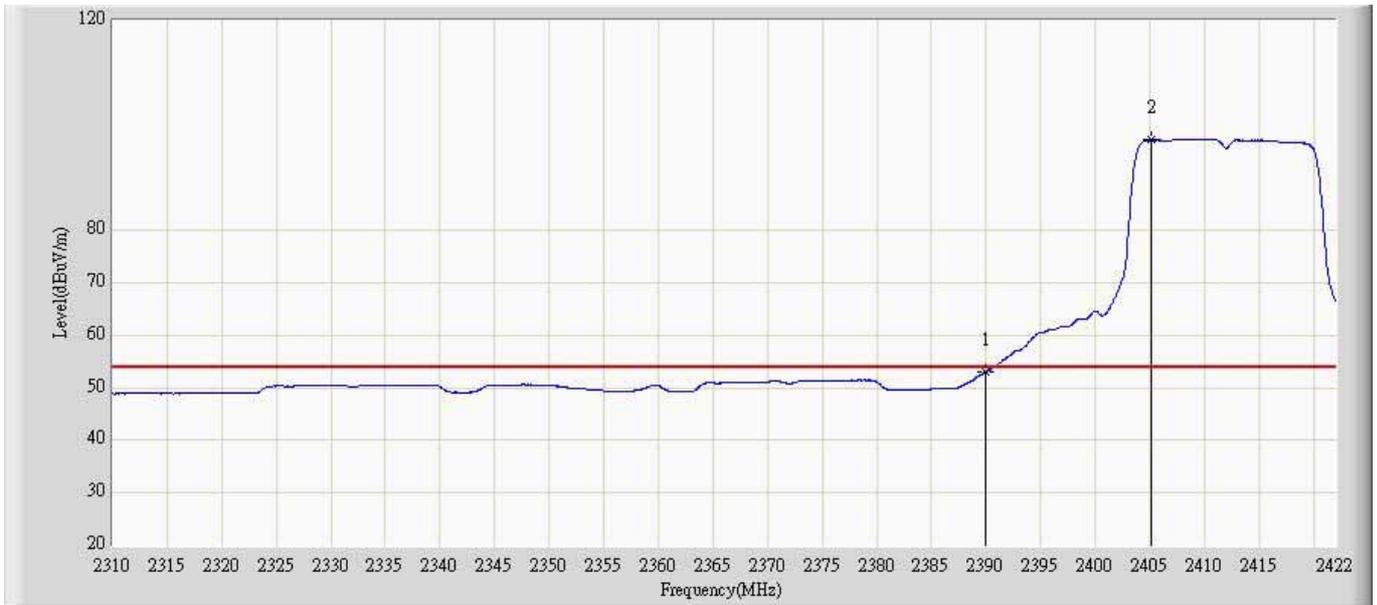
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2464.288	92.542	54.237	N/A	N/A	38.305	AV
2			2483.500	41.437	2.962	-12.563	54.000	38.475	AV

Site: AC5	Time: 2014/01/04 - 14:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode2: Transmit at channel 2412MHz by 802.11g Ant 0	



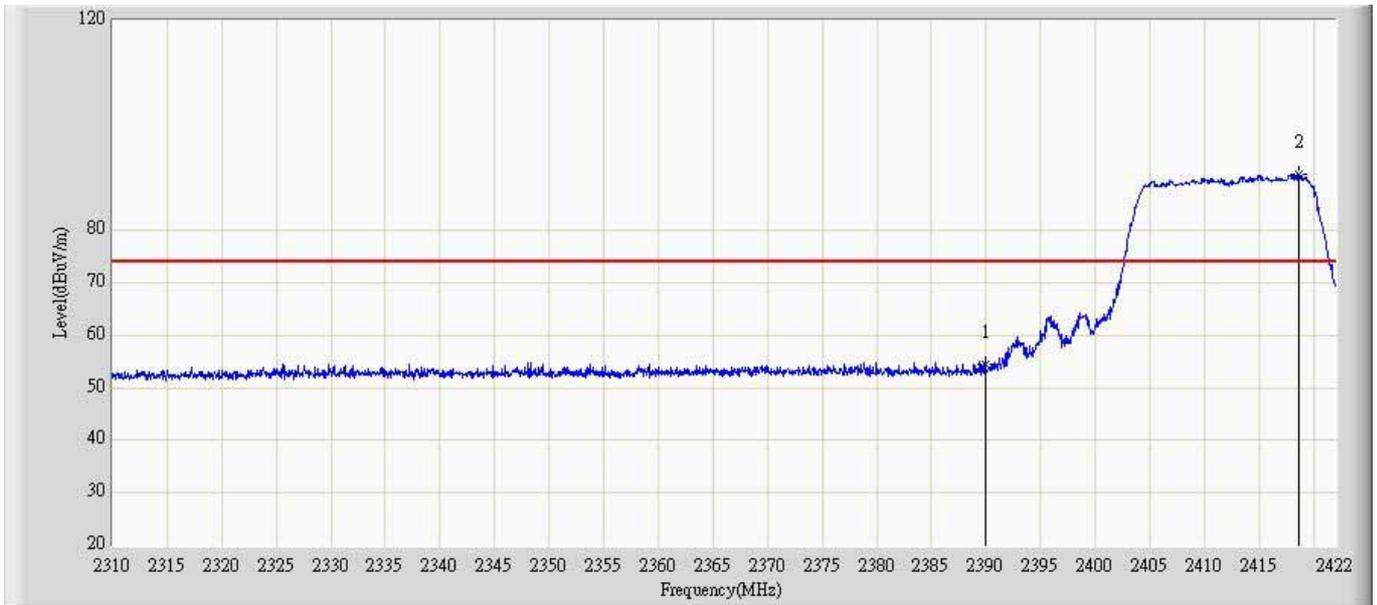
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	68.145	31.158	-5.855	74.000	36.988	PK
2		*	2407.194	104.642	67.569	N/A	N/A	37.073	PK

Site: AC5	Time: 2014/01/04 - 14:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode2: Transmit at channel 2412MHz by 802.11g Ant 0	



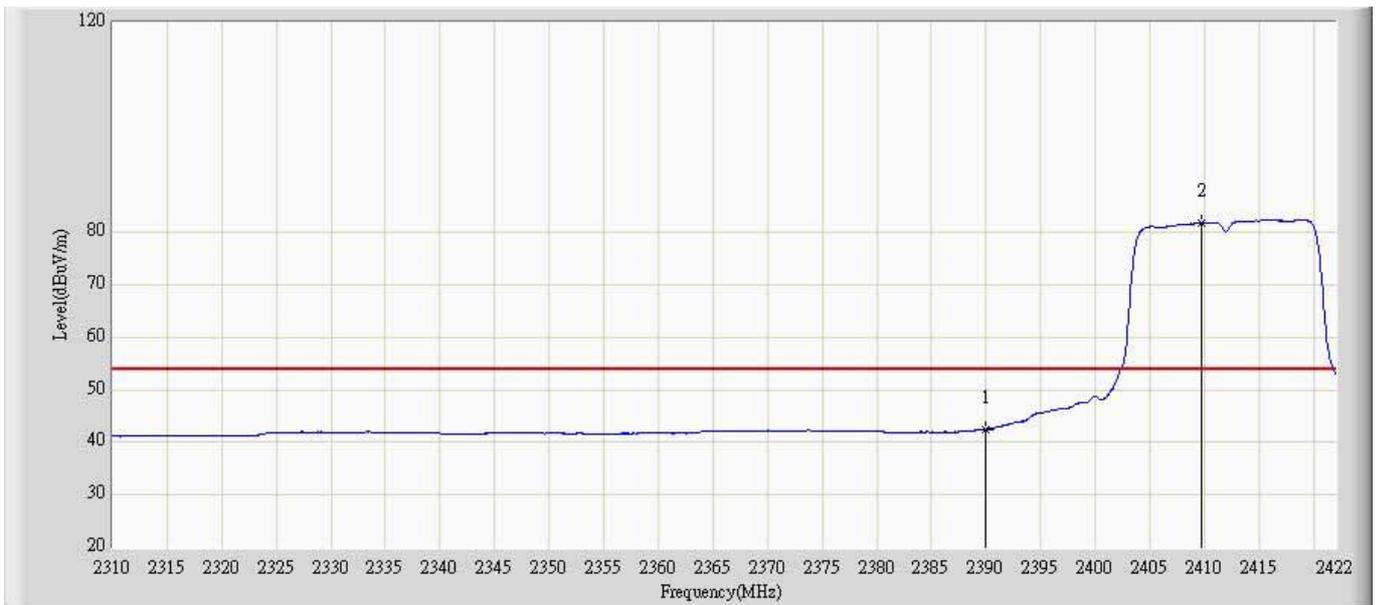
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	53.014	16.027	-0.986	54.000	36.988	AV
2		*	2405.200	97.184	60.121	N/A	N/A	37.063	AV

Site: AC5	Time: 2014/01/04 - 14:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode2: Transmit at channel 2412MHz by 802.11g Ant 0	



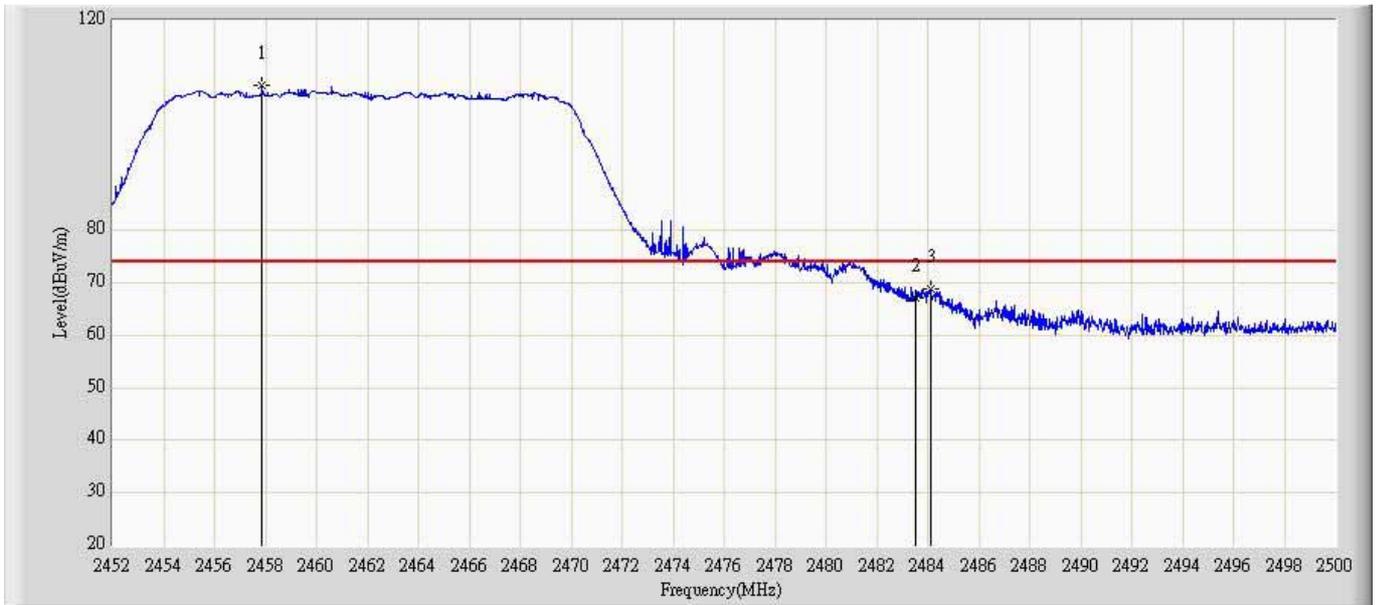
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	54.368	16.721	-19.632	74.000	37.648	PK
2		*	2418.696	90.680	52.776	N/A	N/A	37.904	PK

Site: AC5	Time: 2014/01/04 - 14:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode2: Transmit at channel 2412MHz by 802.11g Ant 0	



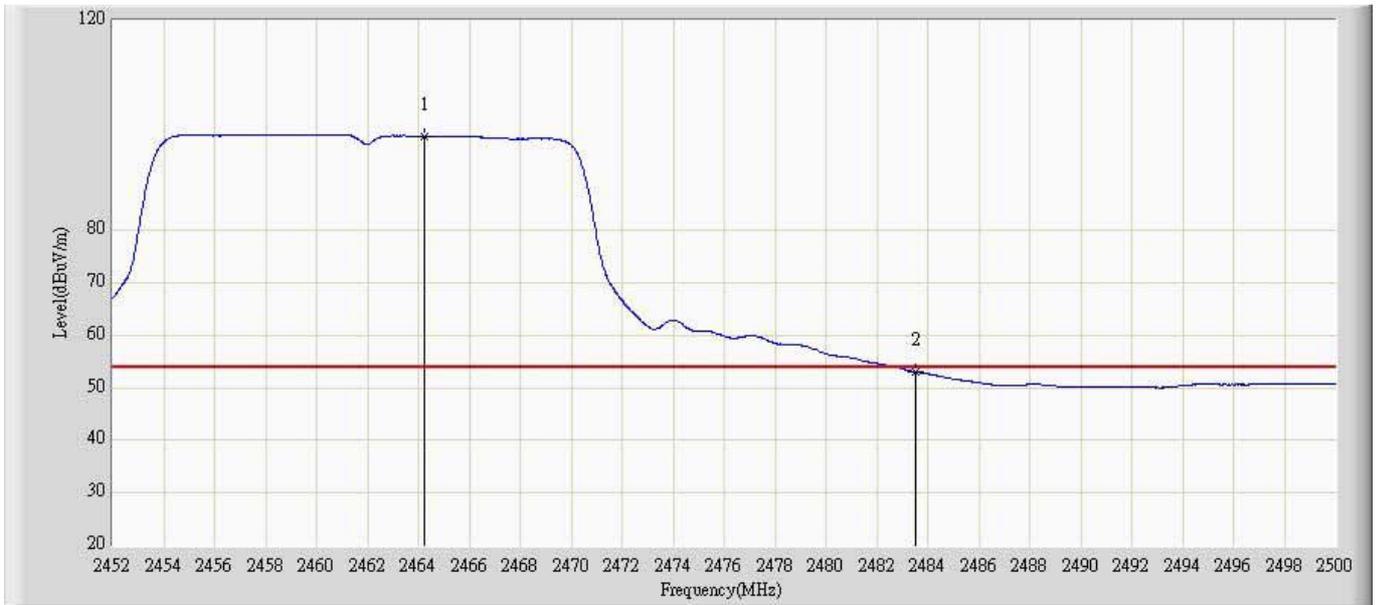
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	42.496	4.849	-11.504	54.000	37.648	AV
2		*	2409.736	81.700	43.875	N/A	N/A	37.824	AV

Site: AC5	Time: 2014/01/04 - 14:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode2: Transmit at channel 2462MHz by 802.11g Ant 0	



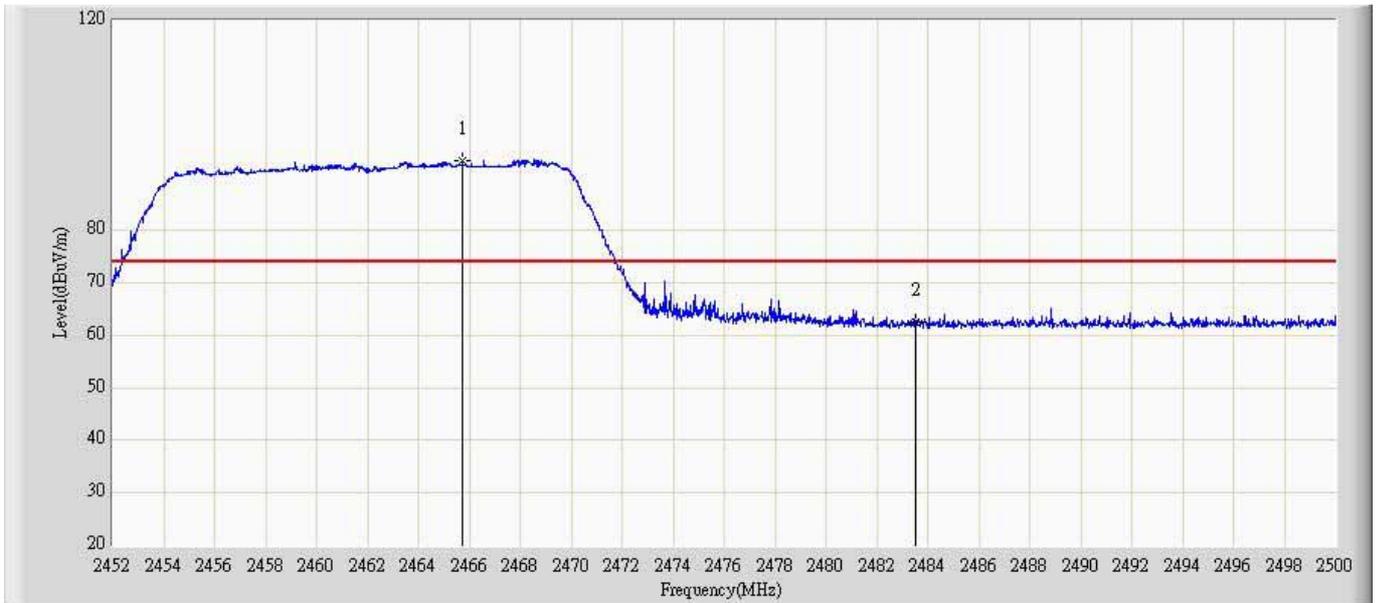
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2457.880	107.590	70.273	N/A	N/A	37.317	PK
2			2483.500	67.215	29.774	-6.785	74.000	37.441	PK
3			2484.112	68.792	31.348	-5.208	74.000	37.444	PK

Site: AC5	Time: 2014/01/04 - 14:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode2: Transmit at channel 2462MHz by 802.11g Ant 0	



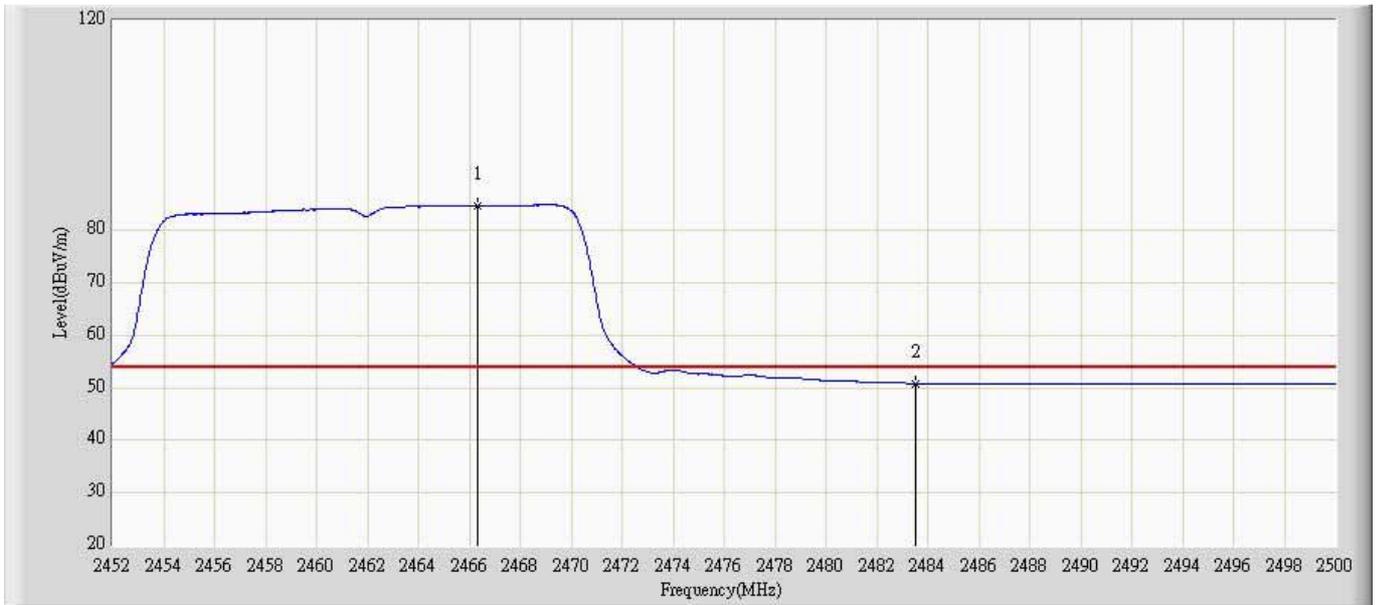
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2464.216	97.903	60.555	N/A	N/A	37.348	AV
2			2483.500	53.126	15.685	-0.874	54.000	37.441	AV

Site: AC5	Time: 2014/01/04 - 14:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode2: Transmit at channel 2462MHz by 802.11g Ant 0	



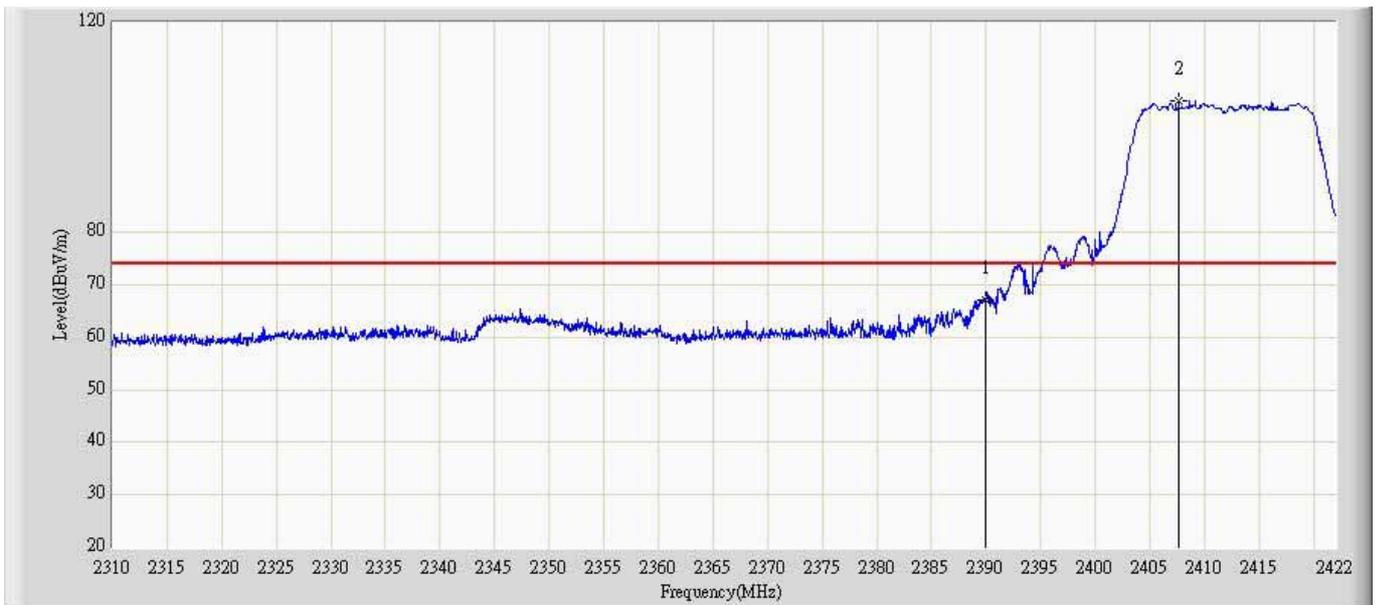
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2465.728	93.172	54.854	N/A	N/A	38.318	PK
2			2483.500	62.562	24.087	-11.438	74.000	38.475	PK

Site: AC5	Time: 2014/01/04 - 14:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode2: Transmit at channel 2462MHz by 802.11g Ant 0	



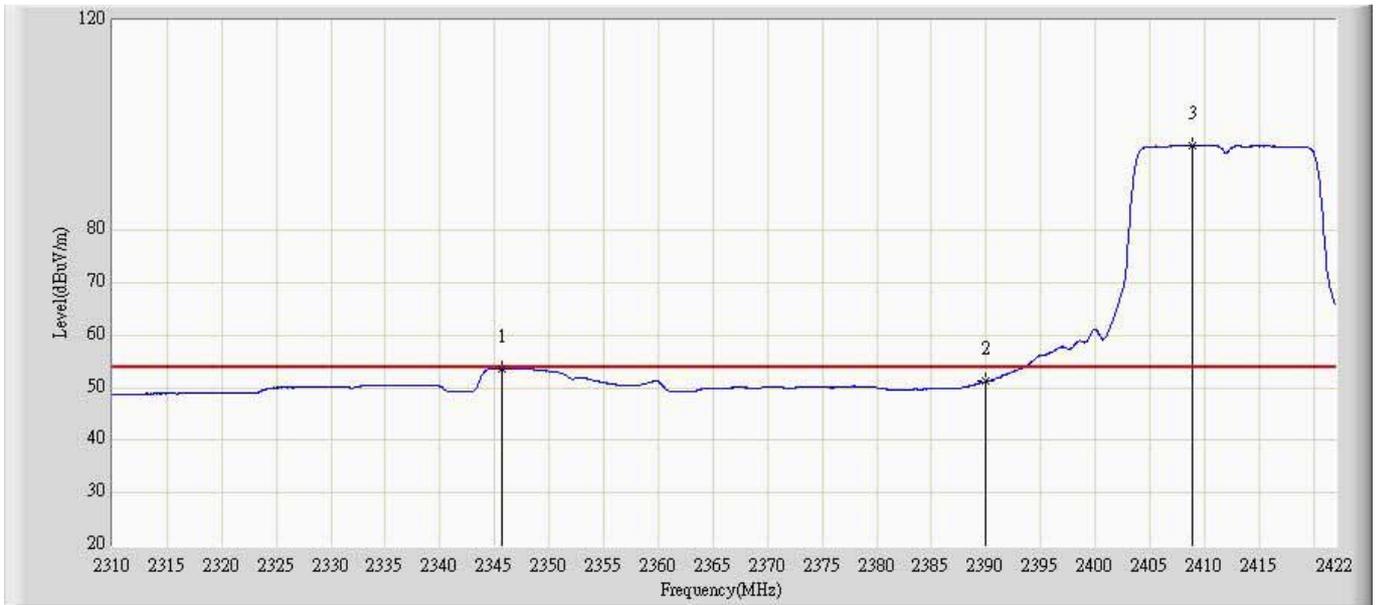
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2466.304	84.789	46.466	N/A	N/A	38.323	AV
2			2483.500	50.871	12.396	-3.129	54.000	38.475	AV

Site: AC5	Time: 2014/01/04 - 14:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode2: Transmit at channel 2412MHz by 802.11g Ant 1	



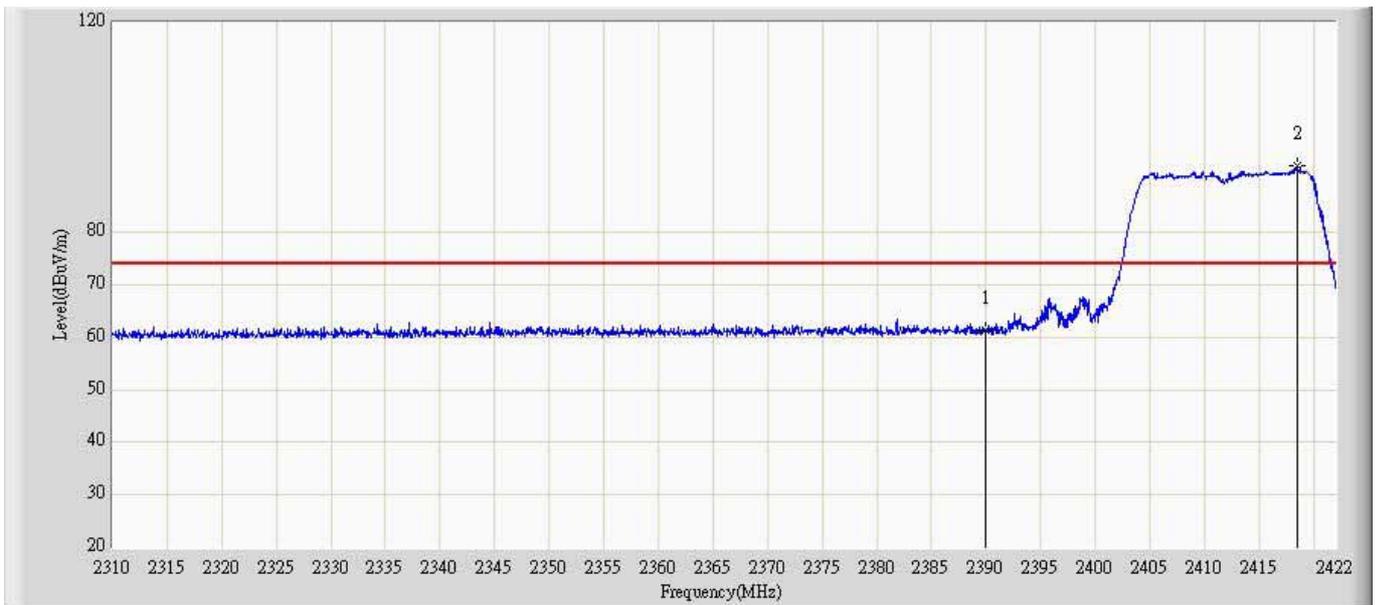
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	67.113	30.126	-6.887	74.000	36.988	PK
2		*	2407.664	105.028	67.953	N/A	N/A	37.075	PK

Site: AC5	Time: 2014/01/04 - 14:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode2: Transmit at channel 2412MHz by 802.11g Ant 1	



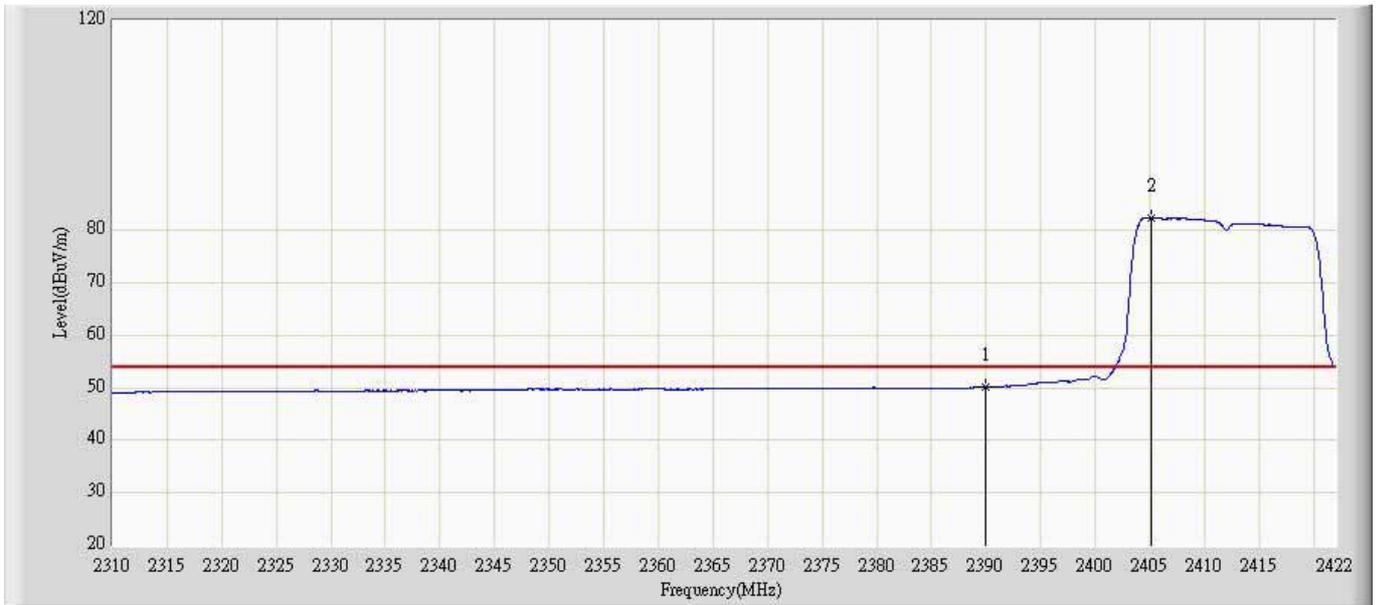
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2345.728	53.698	16.924	-0.302	54.000	36.774	AV
2			2390.000	51.221	14.234	-2.779	54.000	36.988	AV
3		*	2408.896	96.083	59.002	N/A	N/A	37.081	AV

Site: AC5	Time: 2014/01/04 - 14:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode2: Transmit at channel 2412MHz by 802.11g Ant 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	61.298	23.651	-12.702	74.000	37.648	PK
2		*	2418.528	92.721	54.819	N/A	N/A	37.902	PK

Site: AC5	Time: 2014/01/04 - 14:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode2: Transmit at channel 2412MHz by 802.11g Ant 1	



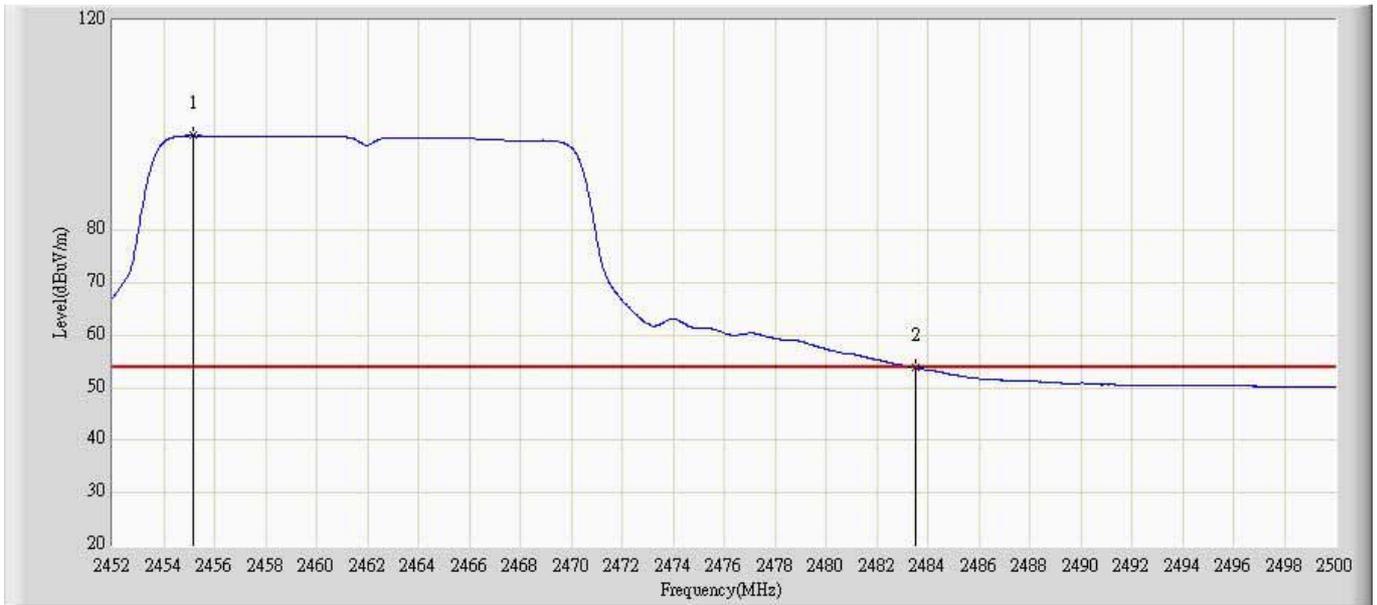
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	50.065	12.418	-3.935	54.000	37.648	AV
2		*	2405.200	82.442	44.658	N/A	N/A	37.784	AV

Site: AC5	Time: 2014/01/04 - 14:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode2: Transmit at channel 2462MHz by 802.11g Ant 1	



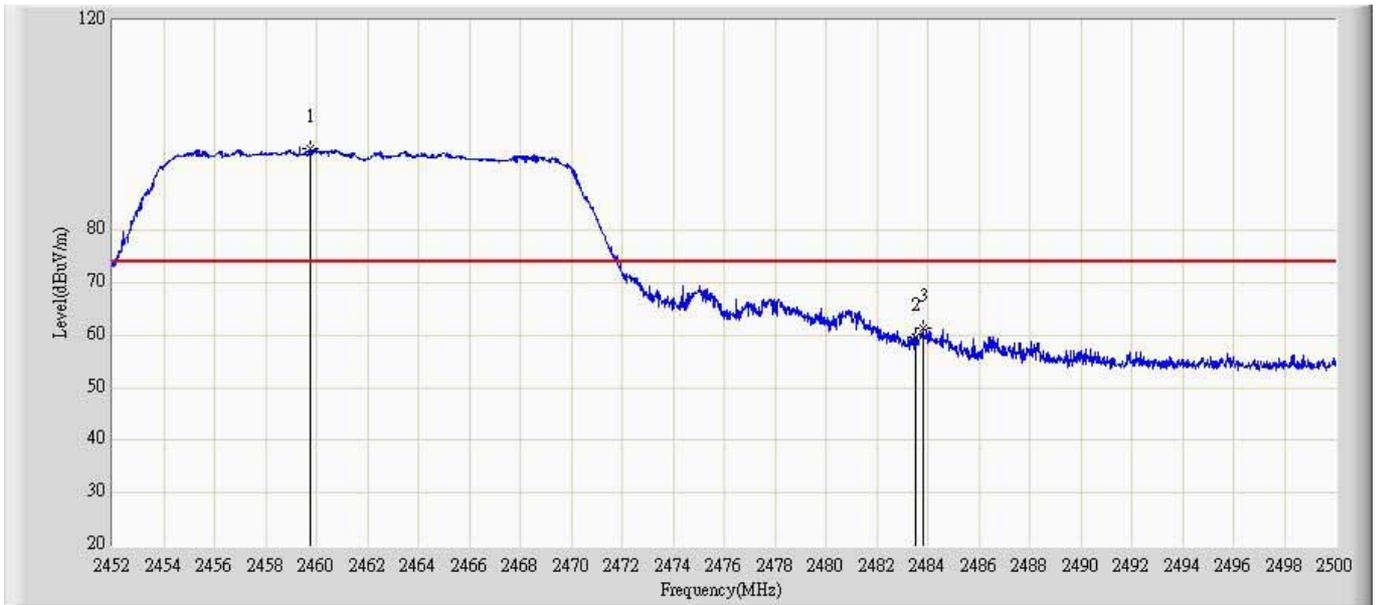
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2455.480	105.874	68.568	N/A	N/A	37.306	PK
2			2483.500	68.713	31.272	-5.287	74.000	37.441	PK

Site: AC5	Time: 2014/01/04 - 14:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode2: Transmit at channel 2462MHz by 802.11g Ant 1	



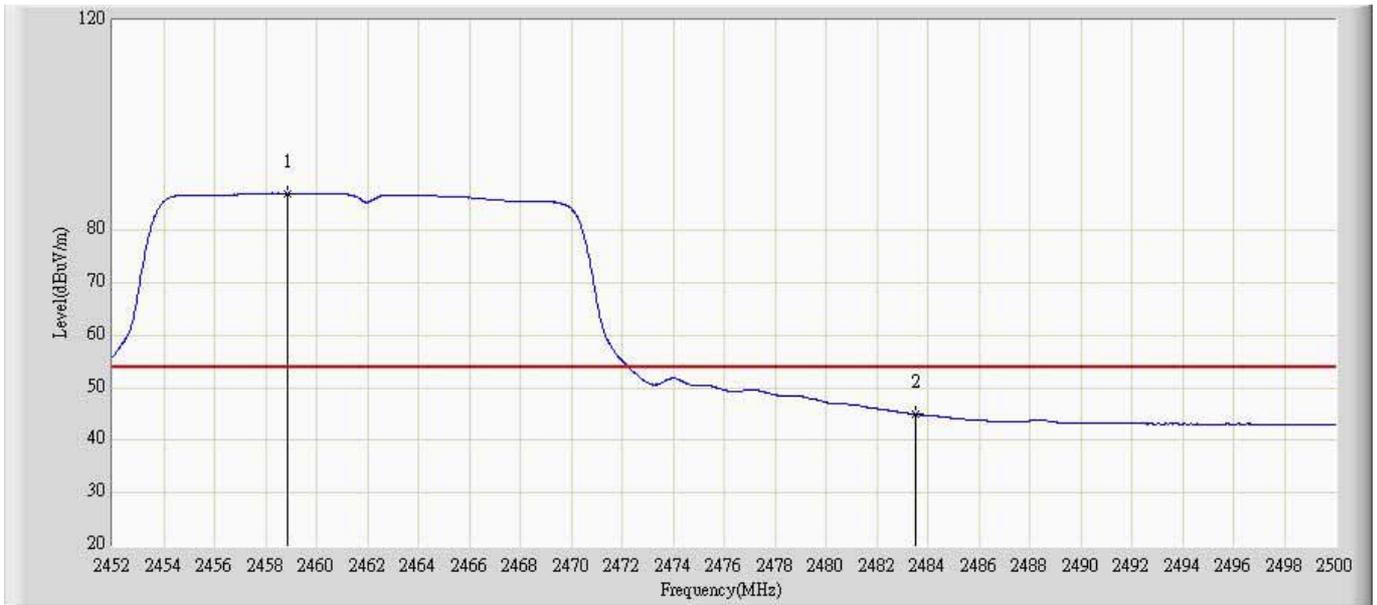
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2455.192	98.029	60.725	N/A	N/A	37.305	AV
2			2483.500	53.807	16.366	-0.193	54.000	37.441	AV

Site: AC5	Time: 2014/01/04 - 14:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode2: Transmit at channel 2462MHz by 802.11g Ant 1	



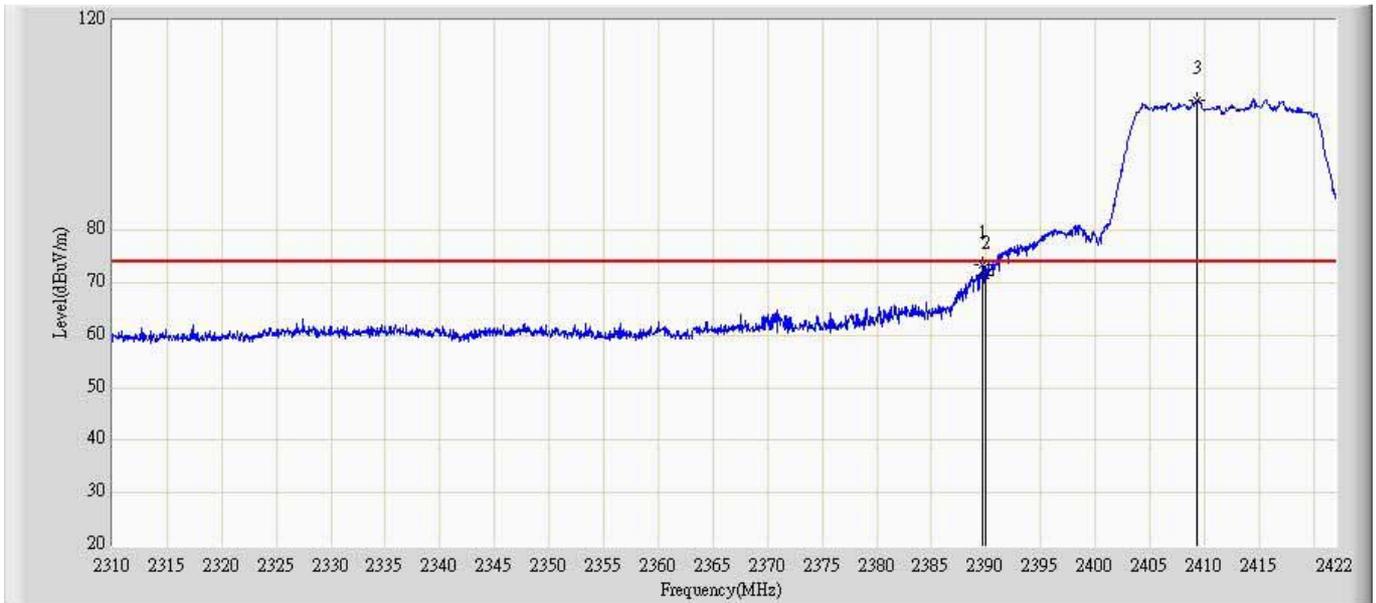
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2459.752	95.716	57.451	N/A	N/A	38.265	PK
2			2483.500	59.710	21.235	-14.290	74.000	38.475	PK
3			2483.824	61.440	22.962	-12.560	74.000	38.478	PK

Site: AC5	Time: 2014/01/04 - 14:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode2: Transmit at channel 2462MHz by 802.11g Ant 1	



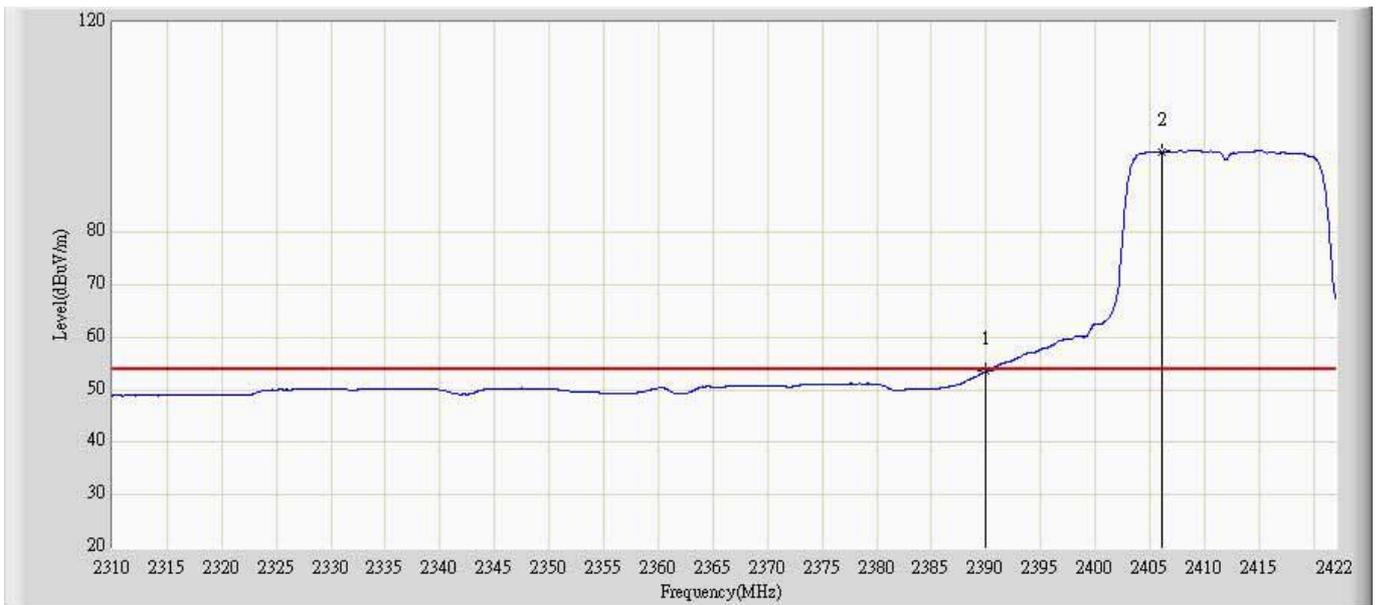
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2458.840	87.025	48.768	N/A	N/A	38.257	AV
2			2483.500	44.938	6.463	-9.062	54.000	38.475	AV

Site: AC5	Time: 2014/01/04 - 14:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2412MHz by 802.11n20 Ant 0	



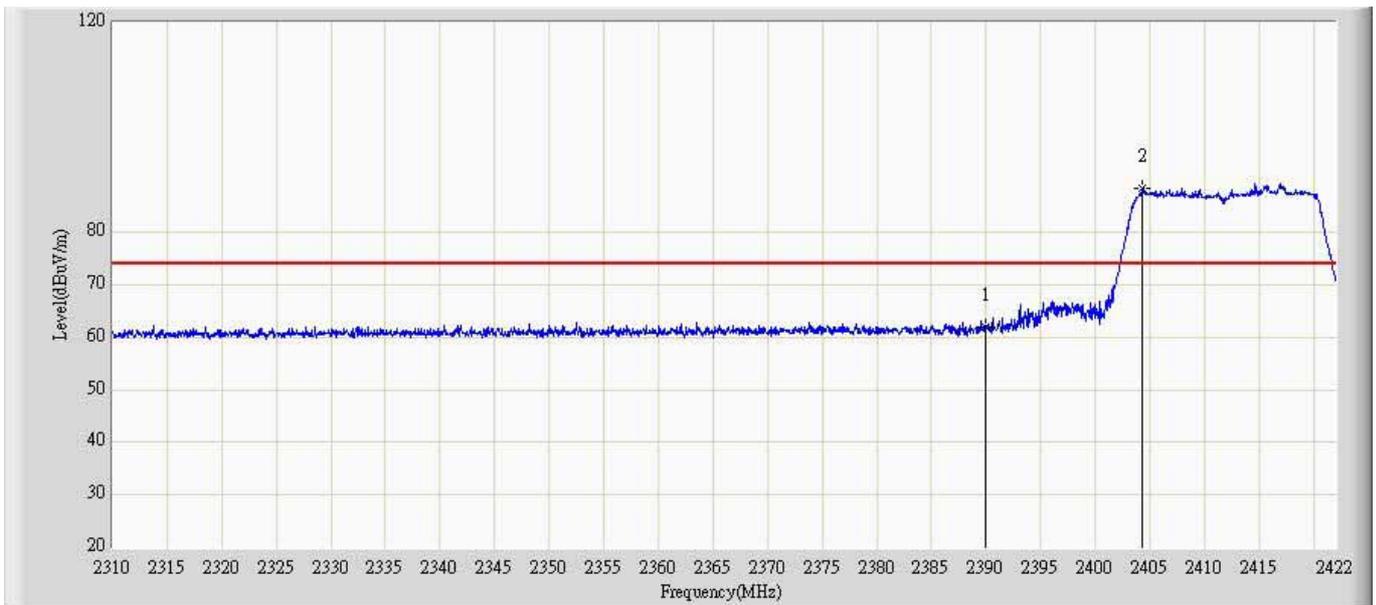
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2389.688	73.330	36.344	-0.670	74.000	36.986	PK
2			2390.000	71.312	34.325	-2.688	74.000	36.988	PK
3		*	2409.344	104.660	67.576	N/A	N/A	37.084	PK

Site: AC5	Time: 2014/01/04 - 15:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2412MHz by 802.11n20 Ant 0	



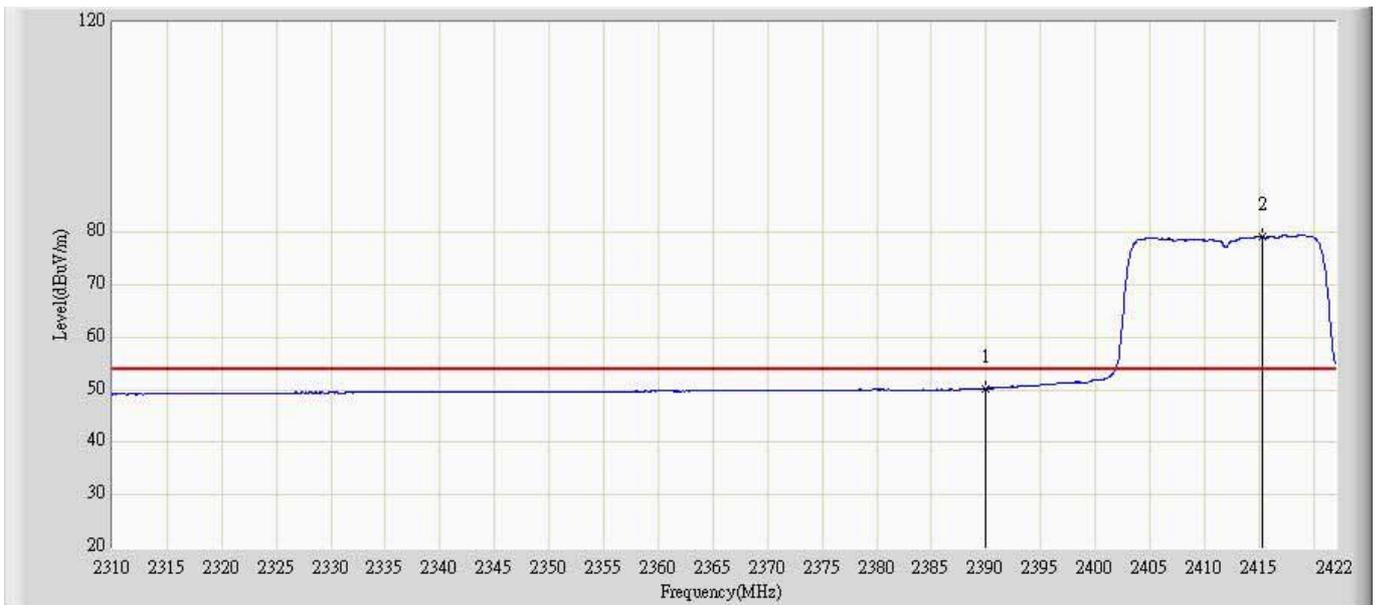
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	53.492	16.505	-0.508	54.000	36.988	AV
2		*	2406.096	95.369	58.302	N/A	N/A	37.067	AV

Site: AC5	Time: 2014/01/04 - 15:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2412MHz by 802.11n20 Ant 0	



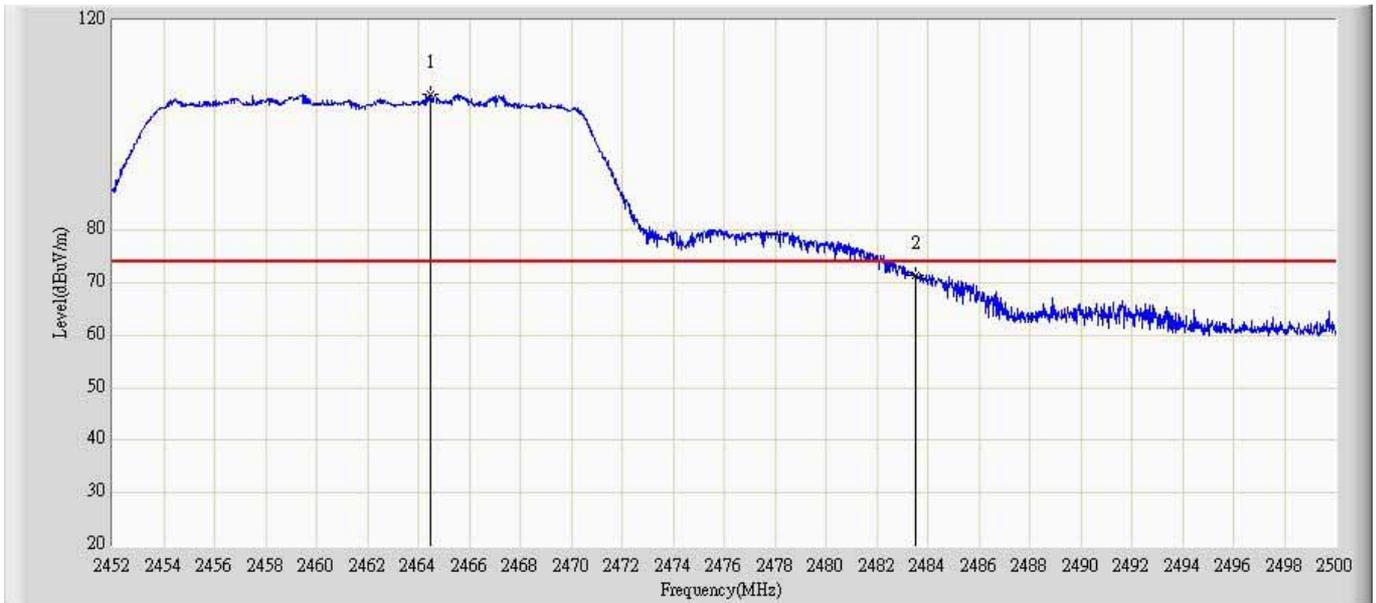
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	62.012	24.365	-11.988	74.000	37.648	PK
2		*	2404.248	88.486	50.711	N/A	N/A	37.775	PK

Site: AC5	Time: 2014/01/04 - 15:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2412MHz by 802.11n20 Ant 0	



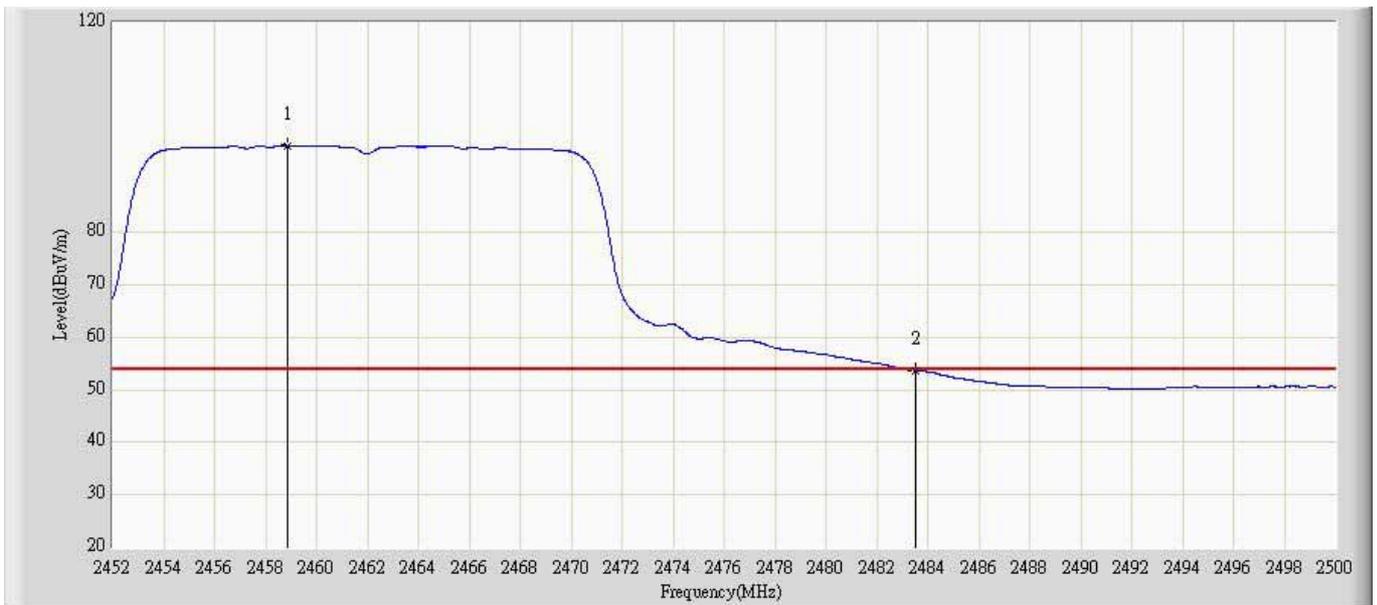
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	50.279	12.632	-3.721	54.000	37.648	AV
2		*	2415.336	79.189	41.315	N/A	N/A	37.874	AV

Site: AC5	Time: 2014/01/04 - 15:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2462MHz by 802.11n20 Ant 0	



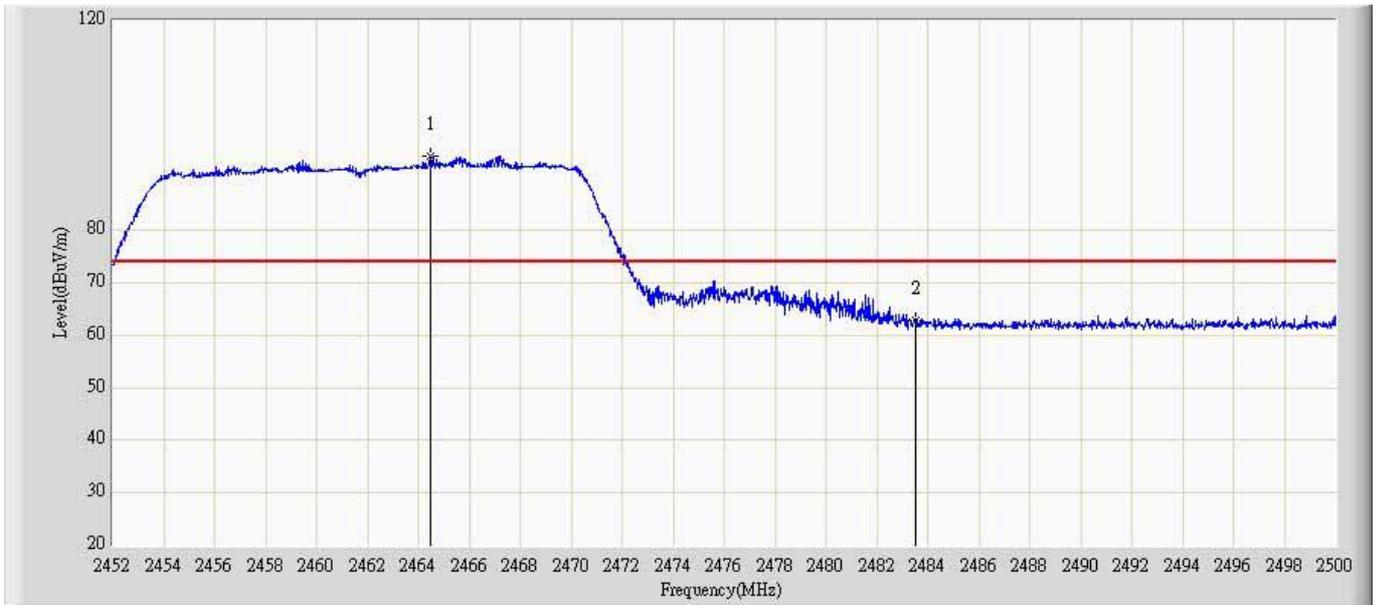
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2464.456	105.911	68.562	N/A	N/A	37.349	PK
2			2483.500	71.556	34.115	-2.444	74.000	37.441	PK

Site: AC5	Time: 2014/01/04 - 15:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2462MHz by 802.11n20 Ant 0	



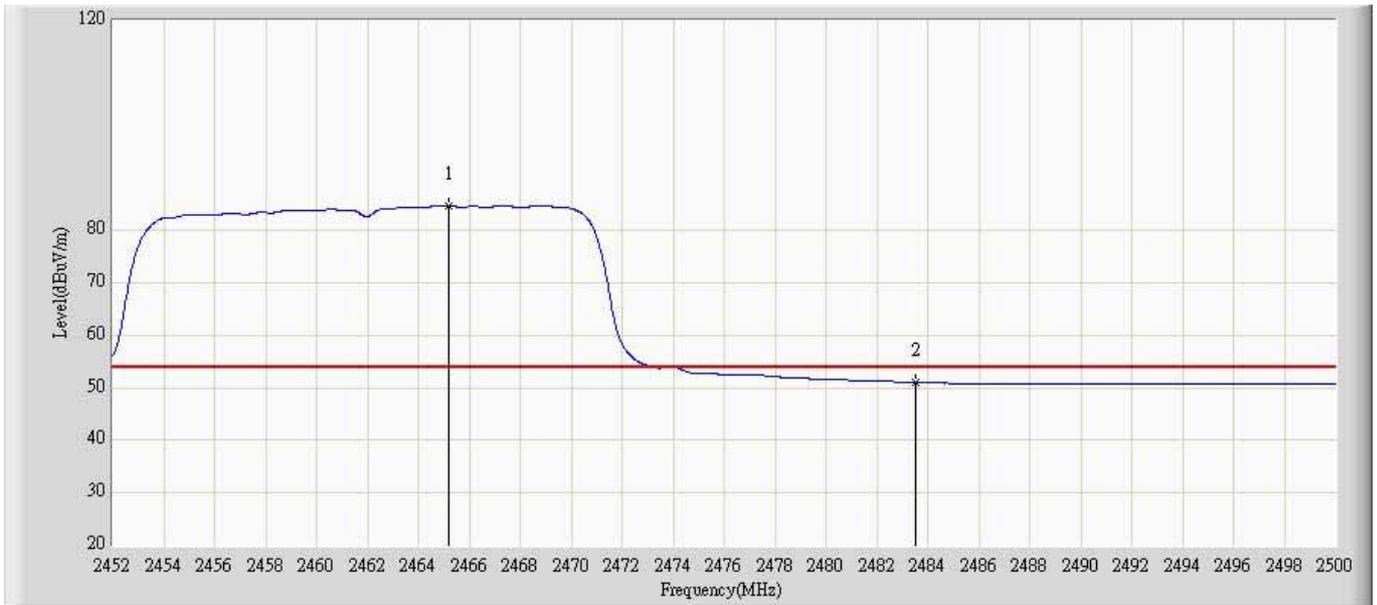
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2458.840	96.554	59.232	N/A	N/A	37.322	AV
2			2483.500	53.740	16.299	-0.260	54.000	37.441	AV

Site: AC5	Time: 2014/01/04 - 15:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2462MHz by 802.11n20 Ant 0	



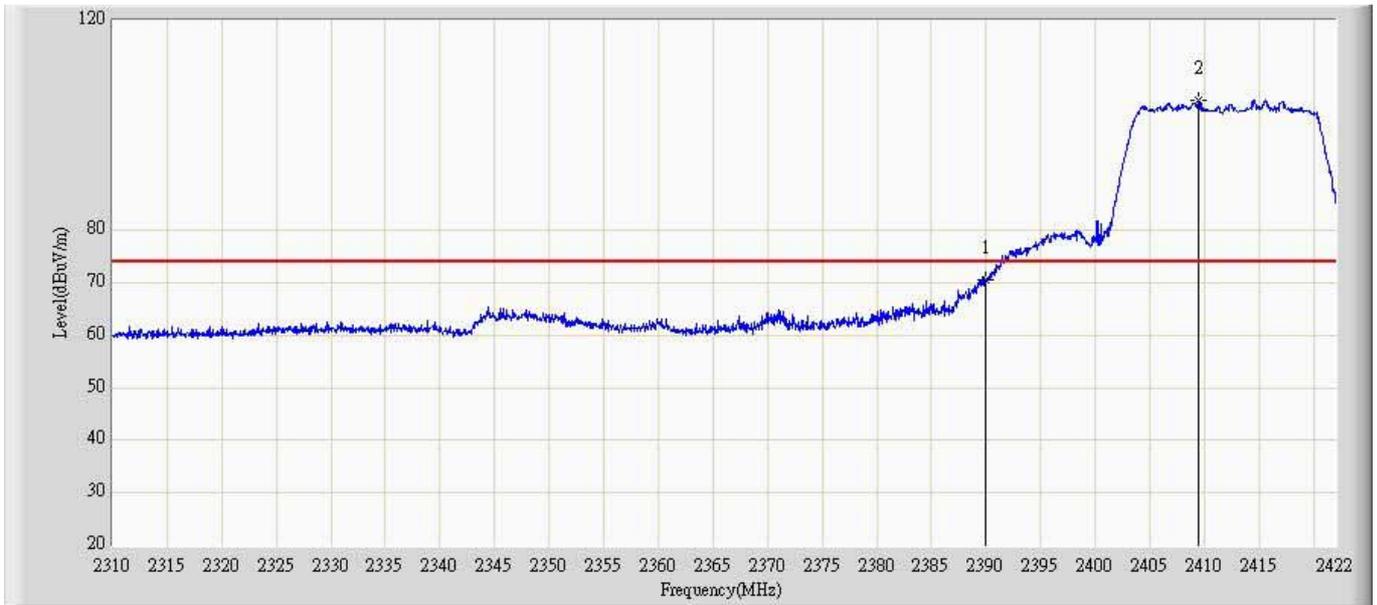
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2464.480	94.112	55.805	N/A	N/A	38.307	PK
2			2483.500	62.816	24.341	-11.184	74.000	38.475	PK

Site: AC5	Time: 2014/01/04 - 15:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2462MHz by 802.11n20 Ant 0	



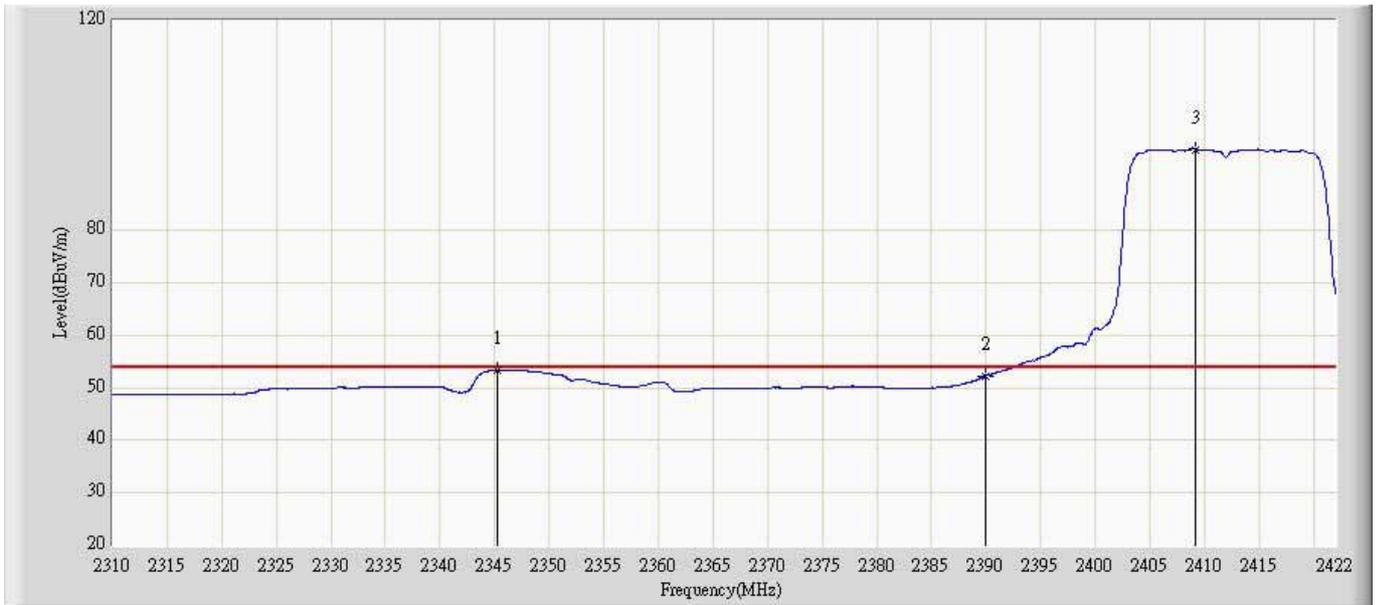
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2465.176	84.703	46.390	N/A	N/A	38.313	AV
2			2483.500	51.047	12.572	-2.953	54.000	38.475	AV

Site: AC5	Time: 2014/01/04 - 15:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2412MHz by 802.11n20 Ant 1	



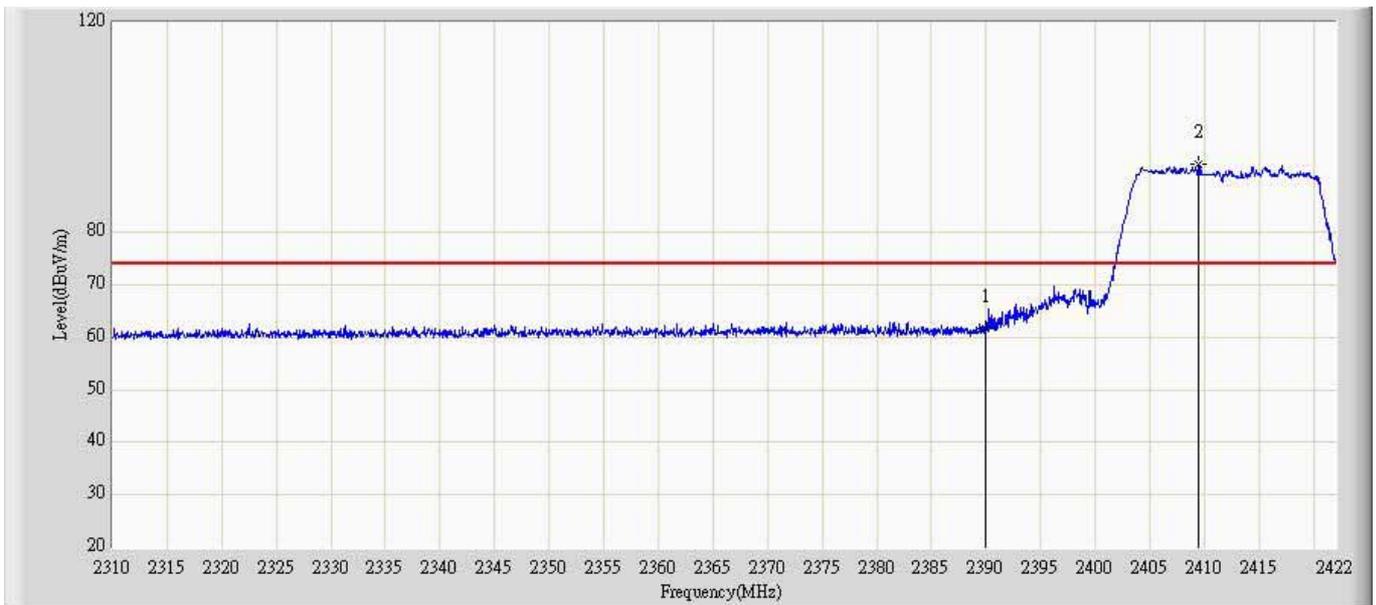
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	70.567	33.580	-3.433	74.000	36.988	PK
2		*	2409.456	104.664	67.580	N/A	N/A	37.084	PK

Site: AC5	Time: 2014/01/04 - 15:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2412MHz by 802.11n20 Ant 1	



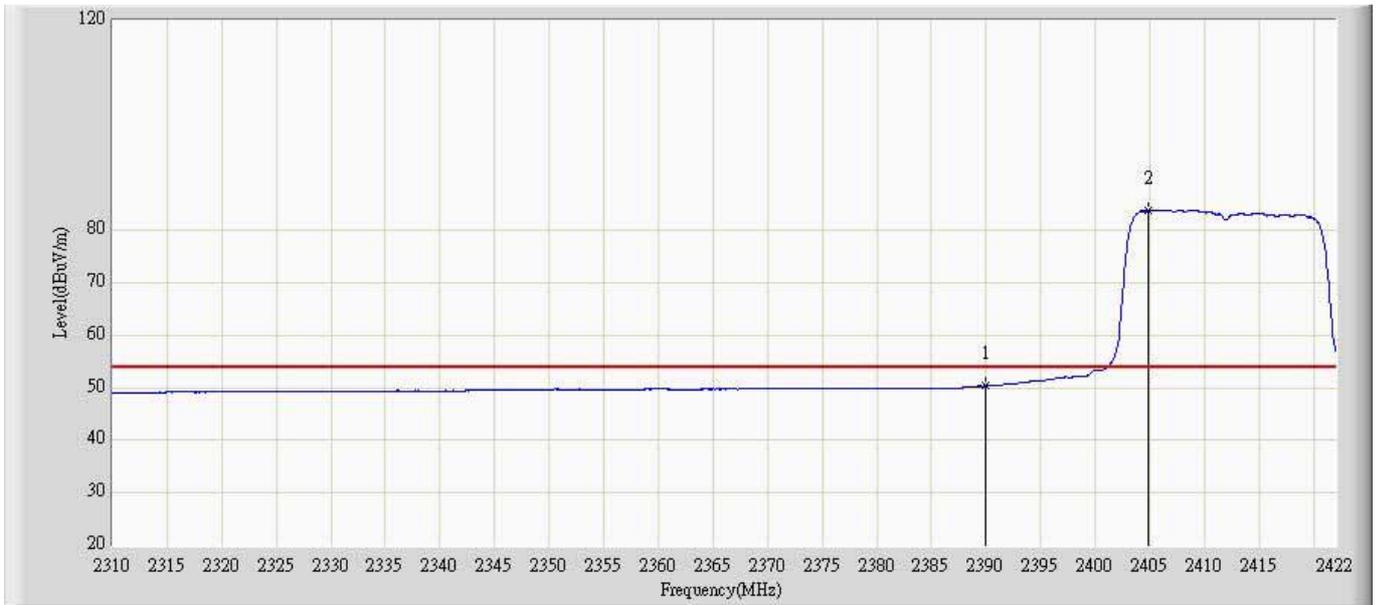
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2345.280	53.329	16.557	-0.671	54.000	36.772	AV
2			2390.000	52.299	15.312	-1.701	54.000	36.988	AV
3		*	2409.232	95.426	58.343	N/A	N/A	37.084	AV

Site: AC5	Time: 2014/01/04 - 15:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2412MHz by 802.11n20 Ant 1	



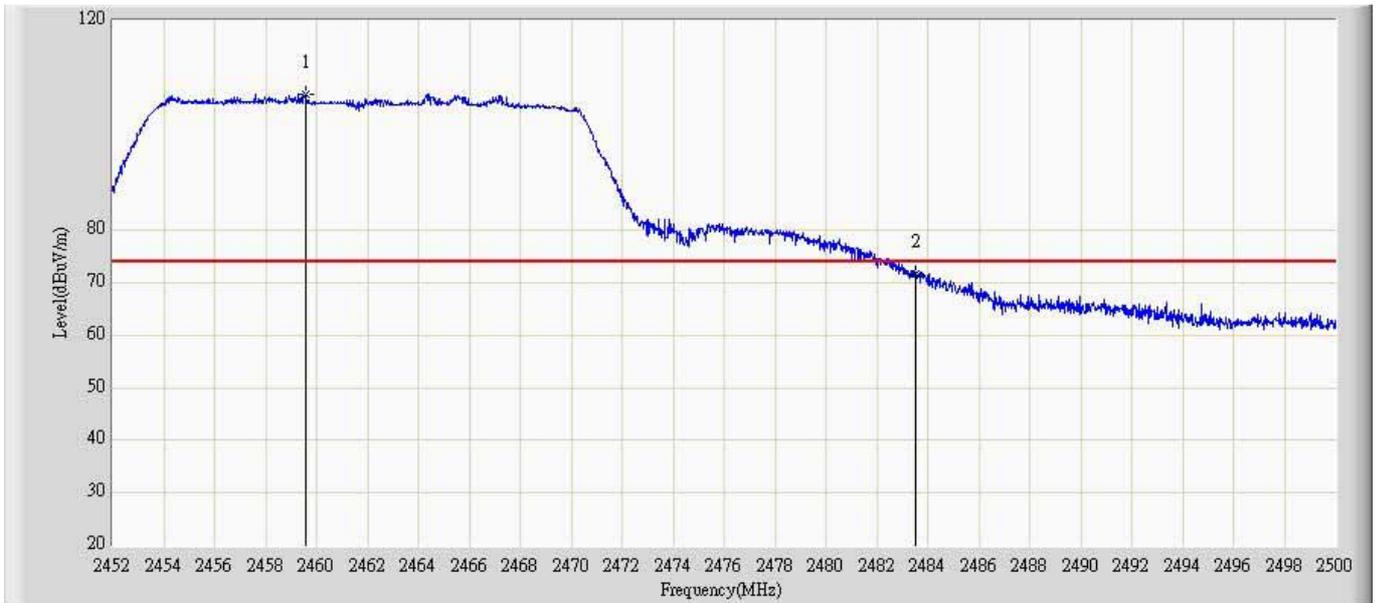
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	61.751	24.104	-12.249	74.000	37.648	PK
2		*	2409.512	92.907	55.084	N/A	N/A	37.823	PK

Site: AC5	Time: 2014/01/04 - 15:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2412MHz by 802.11n20 Ant 1	



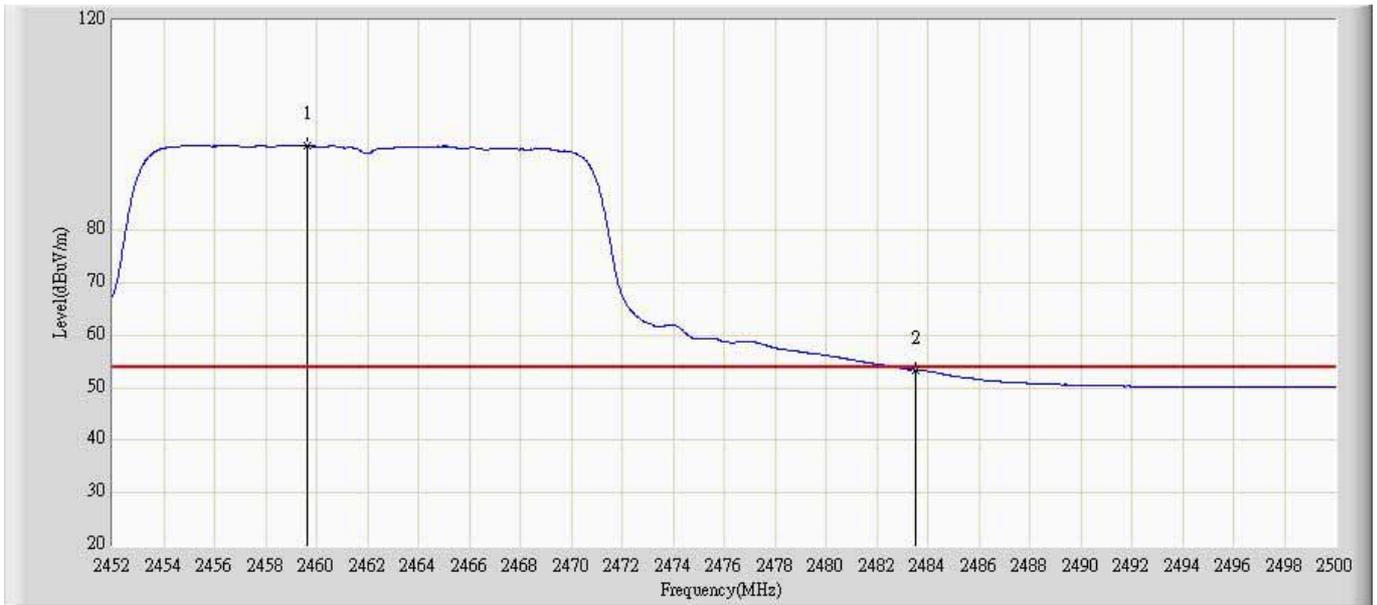
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	50.327	12.680	-3.673	54.000	37.648	AV
2		*	2404.864	83.892	46.111	N/A	N/A	37.781	AV

Site: AC5	Time: 2014/01/04 - 15:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2462MHz by 802.11n20 Ant 1	



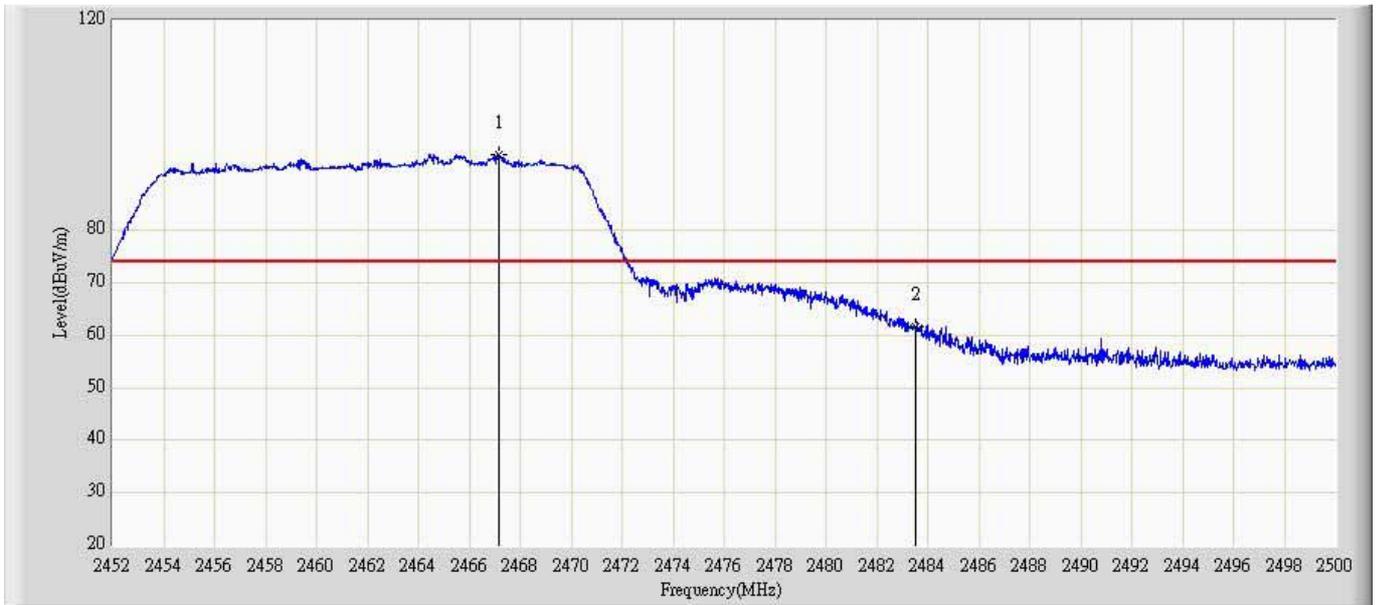
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2459.560	105.962	68.637	N/A	N/A	37.325	PK
2			2483.500	71.623	34.182	-2.377	74.000	37.441	PK

Site: AC5	Time: 2014/01/04 - 15:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2462MHz by 802.11n20 Ant 1	



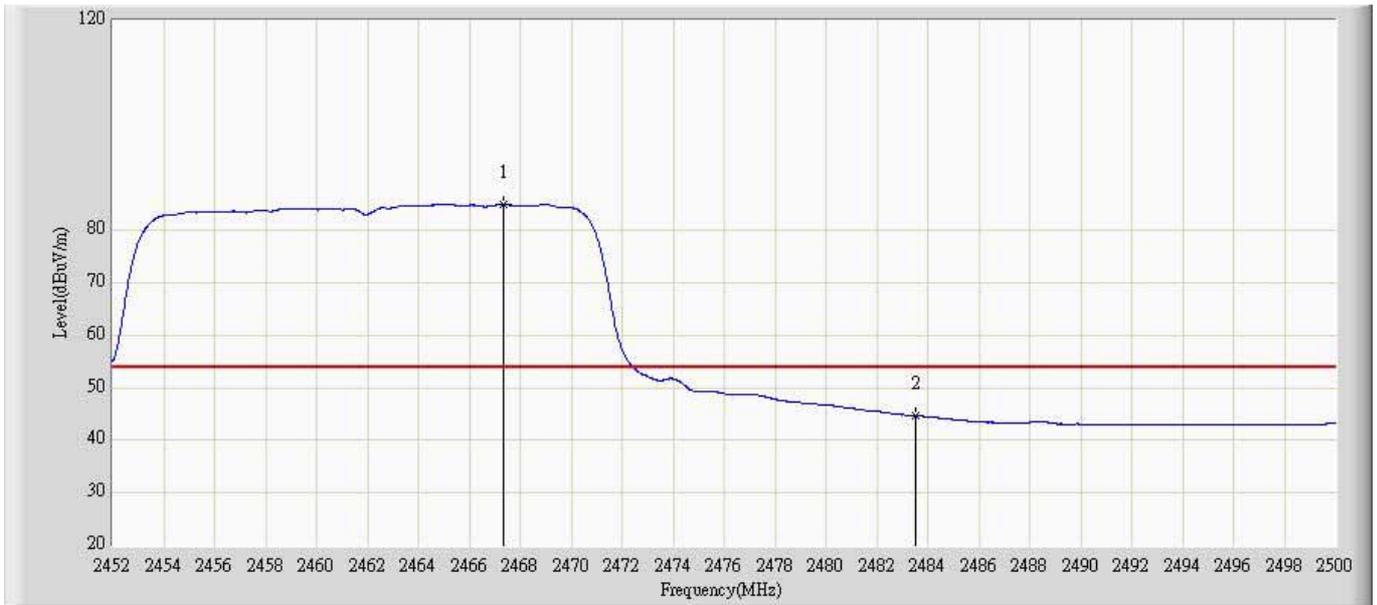
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2459.656	96.043	58.717	N/A	N/A	37.326	AV
2			2483.500	53.431	15.990	-0.569	54.000	37.441	AV

Site: AC5	Time: 2014/01/04 - 15:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2462MHz by 802.11n20 Ant 1	



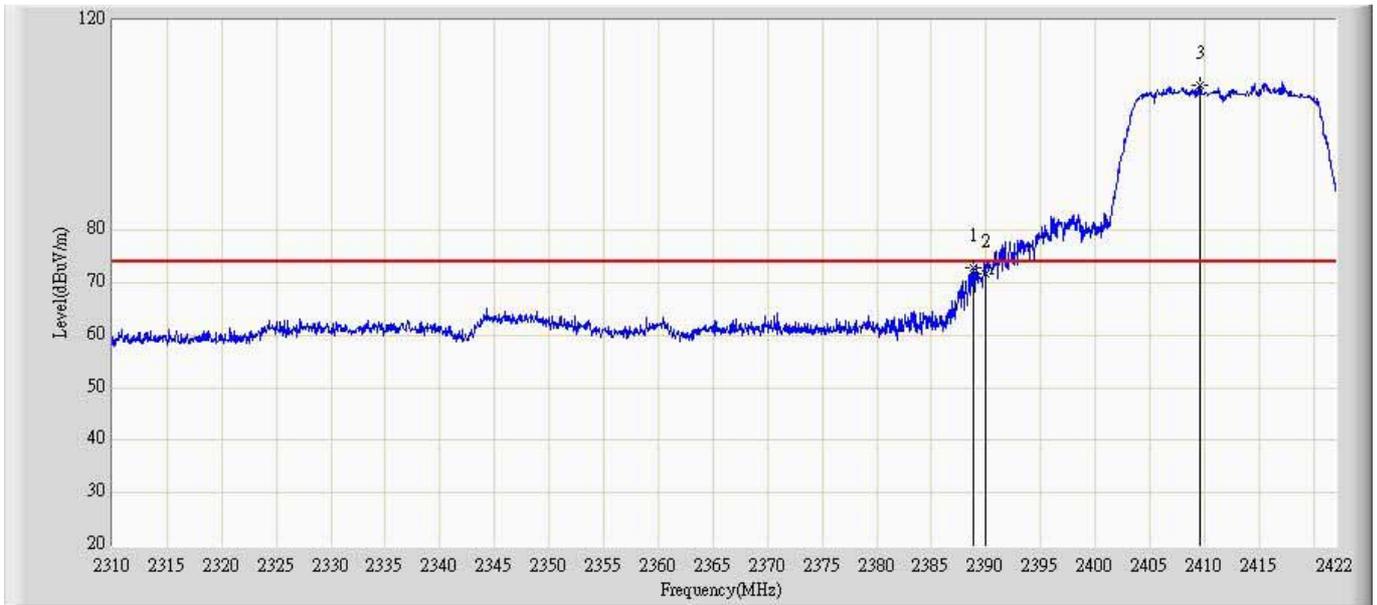
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2467.144	94.470	56.140	N/A	N/A	38.330	PK
2			2483.500	61.603	23.128	-12.397	74.000	38.475	PK

Site: AC5	Time: 2014/01/04 - 15:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2462MHz by 802.11n20 Ant 1	



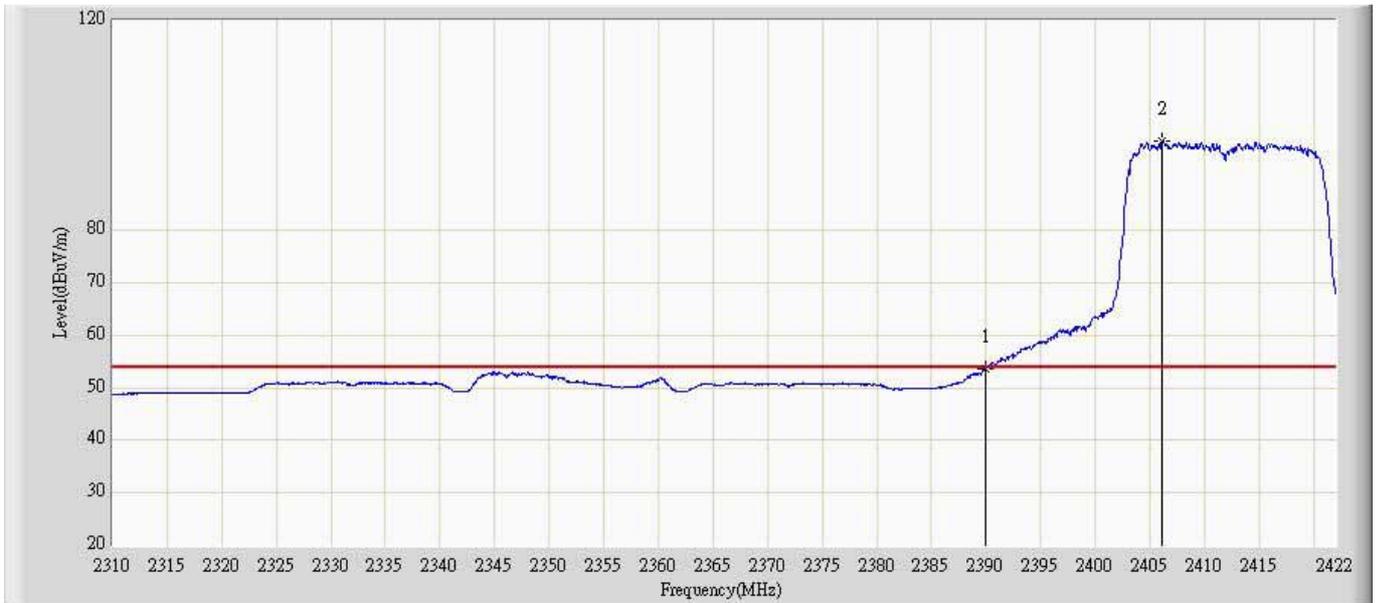
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2467.360	84.875	46.543	N/A	N/A	38.333	AV
2			2483.500	44.721	6.246	-9.279	54.000	38.475	AV

Site: AC5	Time: 2014/01/04 - 15:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2412MHz by 802.11n20 Ant 0+1	



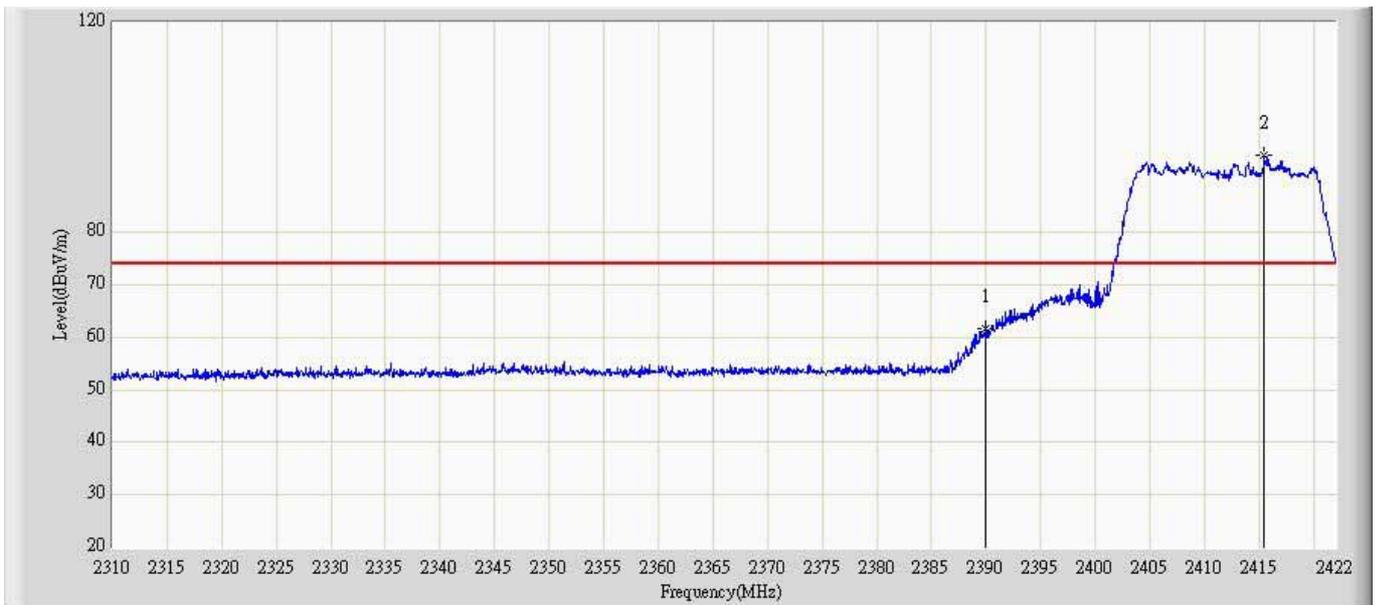
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2388.848	73.014	36.032	-0.986	74.000	36.982	PK
2			2390.000	71.809	34.822	-2.191	74.000	36.988	PK
3		*	2409.568	107.572	70.487	N/A	N/A	37.085	PK

Site: AC5	Time: 2014/01/04 - 15:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2412MHz by 802.11n20 Ant 0+1	



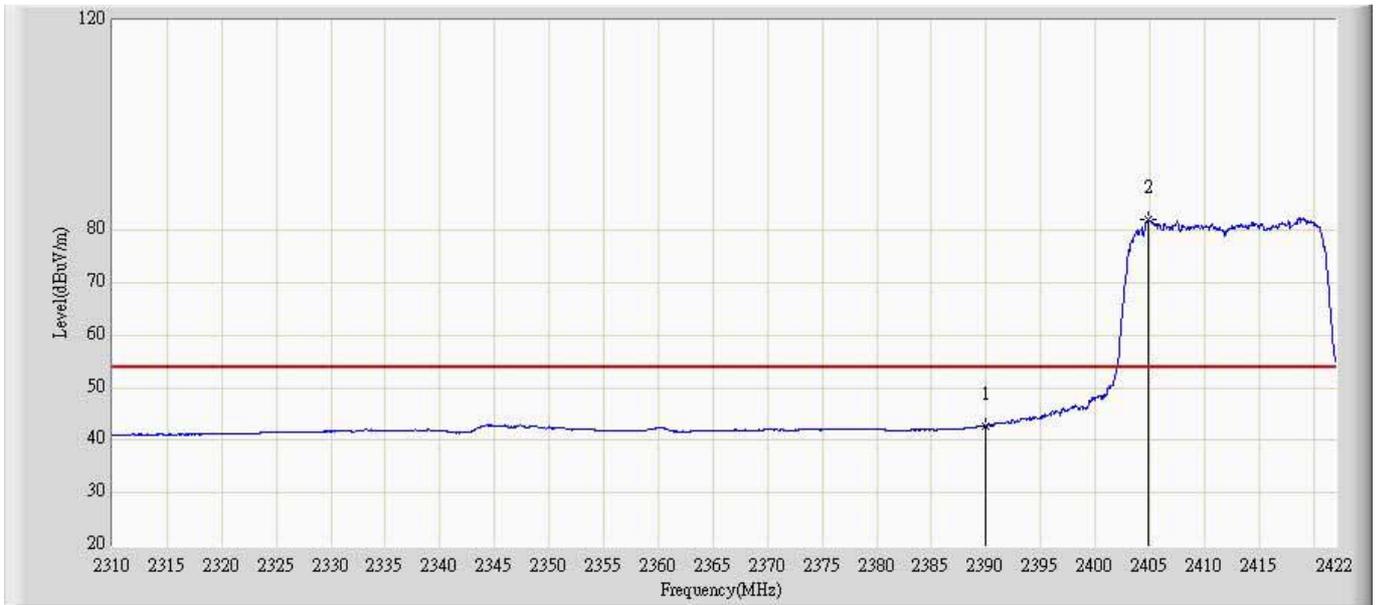
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	53.619	16.632	-0.381	54.000	36.988	AV
2		*	2406.096	96.884	59.817	N/A	N/A	37.067	AV

Site: AC5	Time: 2014/01/04 - 15:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2412MHz by 802.11n20 Ant 0+1	



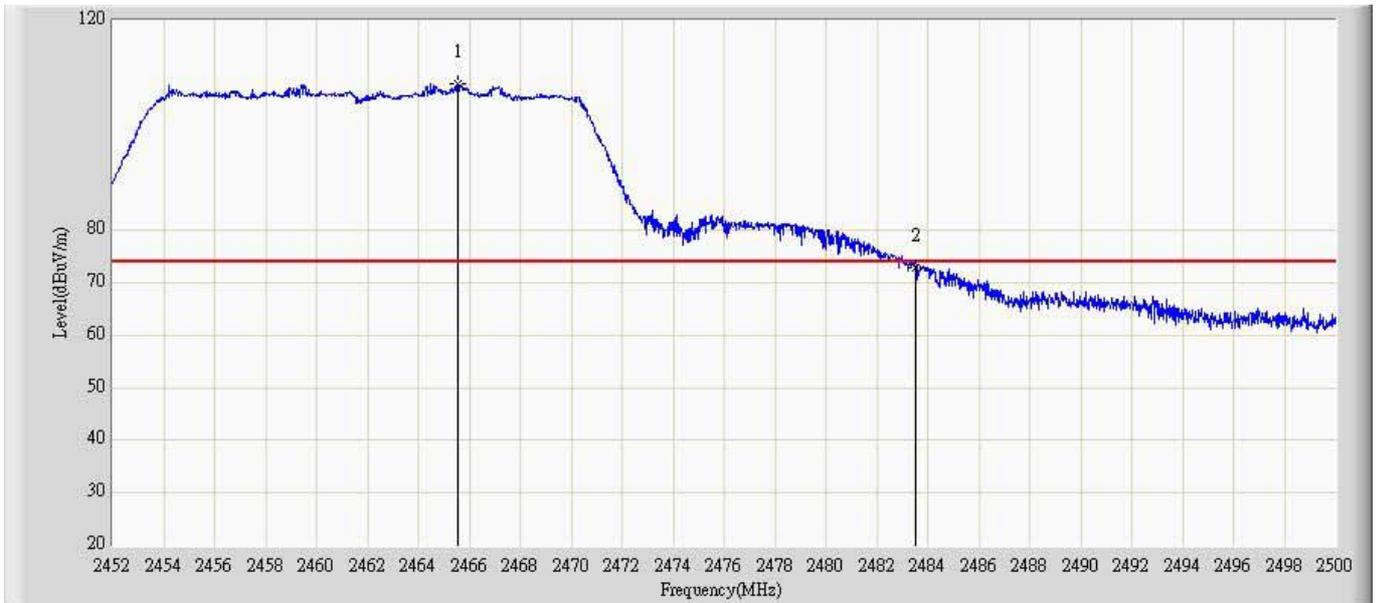
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	61.797	24.150	-12.203	74.000	37.648	PK
2		*	2415.448	94.713	56.838	N/A	N/A	37.875	PK

Site: AC5	Time: 2014/01/04 - 15:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2412MHz by 802.11n20 Ant 0+1	



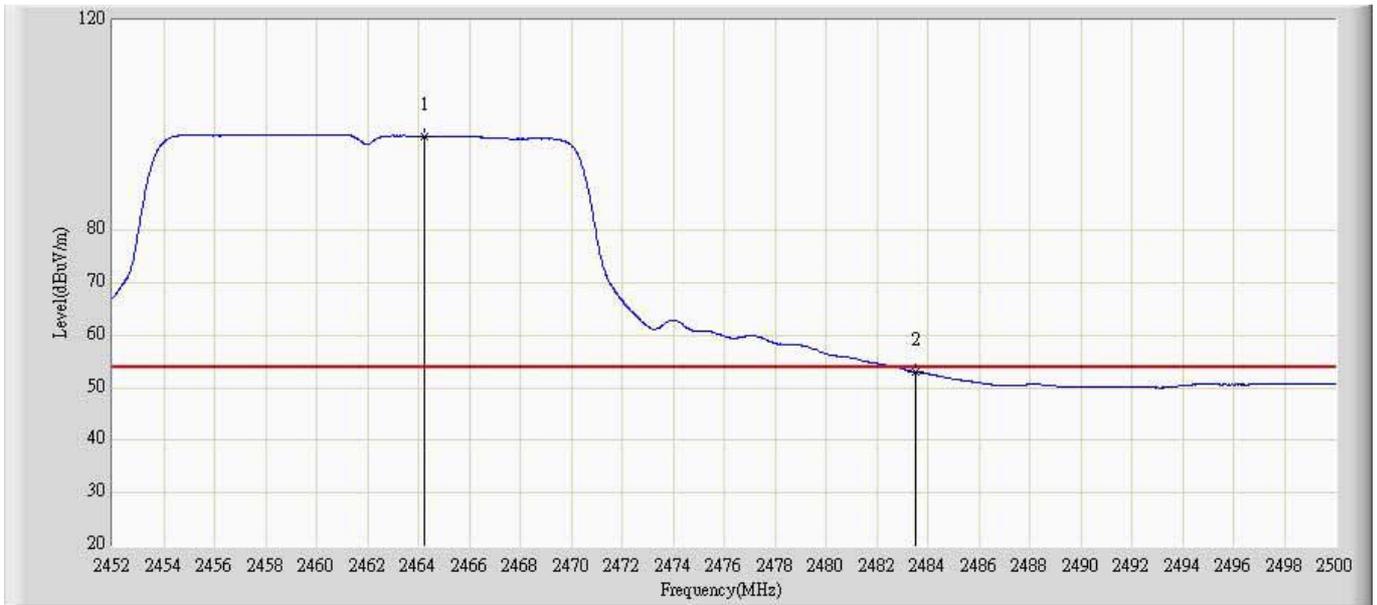
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	42.817	5.170	-11.183	54.000	37.648	AV
2		*	2404.808	82.118	44.338	N/A	N/A	37.781	AV

Site: AC5	Time: 2014/01/04 - 15:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2462MHz by 802.11n20 Ant 0+1	



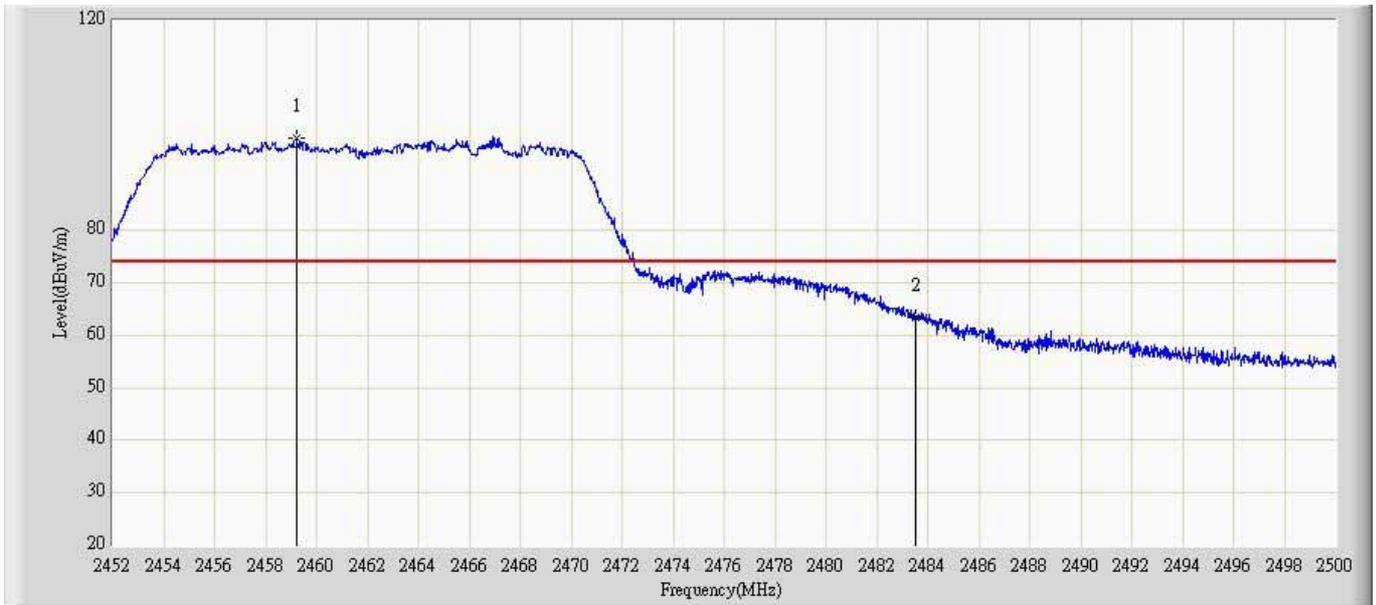
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2465.560	107.827	70.473	N/A	N/A	37.354	PK
2			2483.500	72.909	35.468	-1.091	74.000	37.441	PK

Site: AC5	Time: 2014/01/04 - 15:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2462MHz by 802.11n20 Ant 0+1	



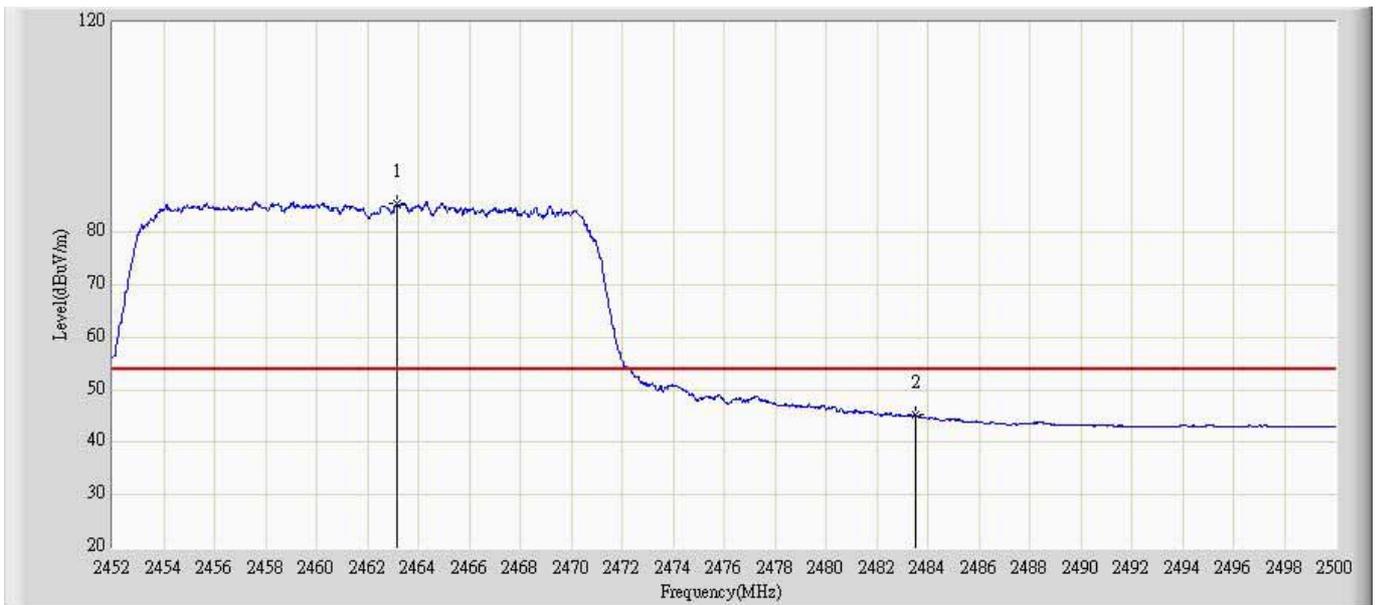
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2464.216	97.903	60.555	N/A	N/A	37.348	AV
2			2483.500	53.126	15.685	-0.874	54.000	37.441	AV

Site: AC5	Time: 2014/01/04 - 15:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2462MHz by 802.11n20 Ant 0+1	



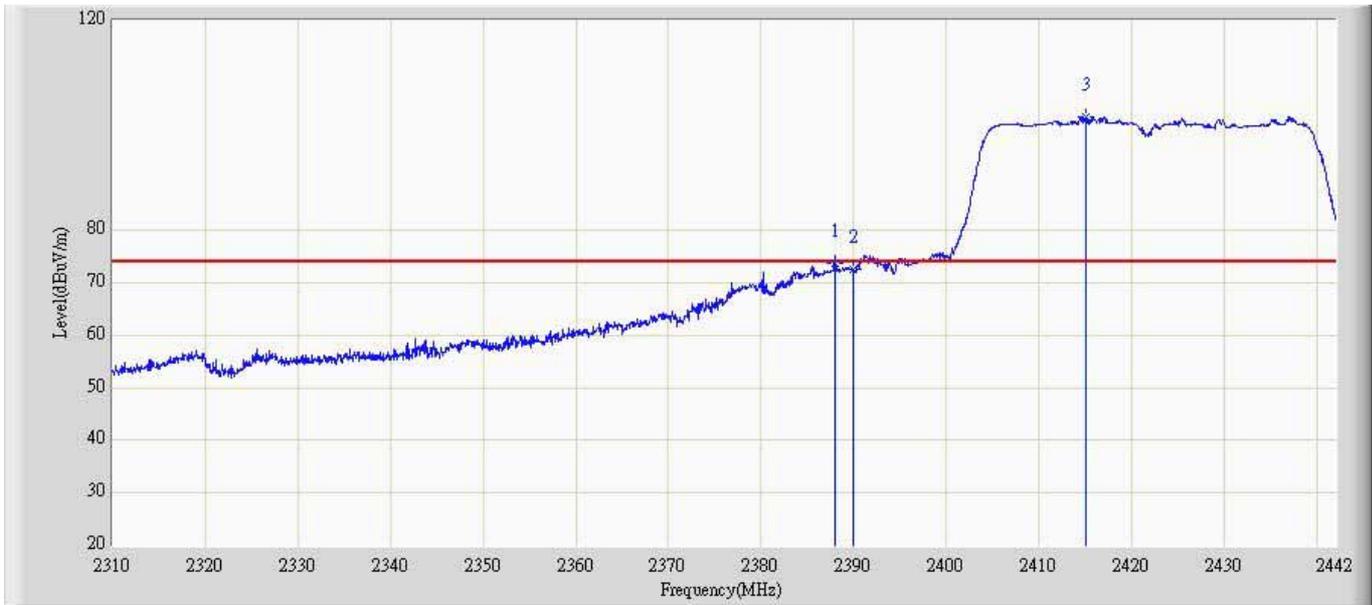
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2459.224	97.502	59.241	N/A	N/A	38.261	PK
2			2483.500	63.293	24.818	-10.707	74.000	38.475	PK

Site: AC5	Time: 2014/01/04 - 15:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_988(1-18GHz)	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode3: Transmit at channel 2462MHz by 802.11n20 Ant 0+1	



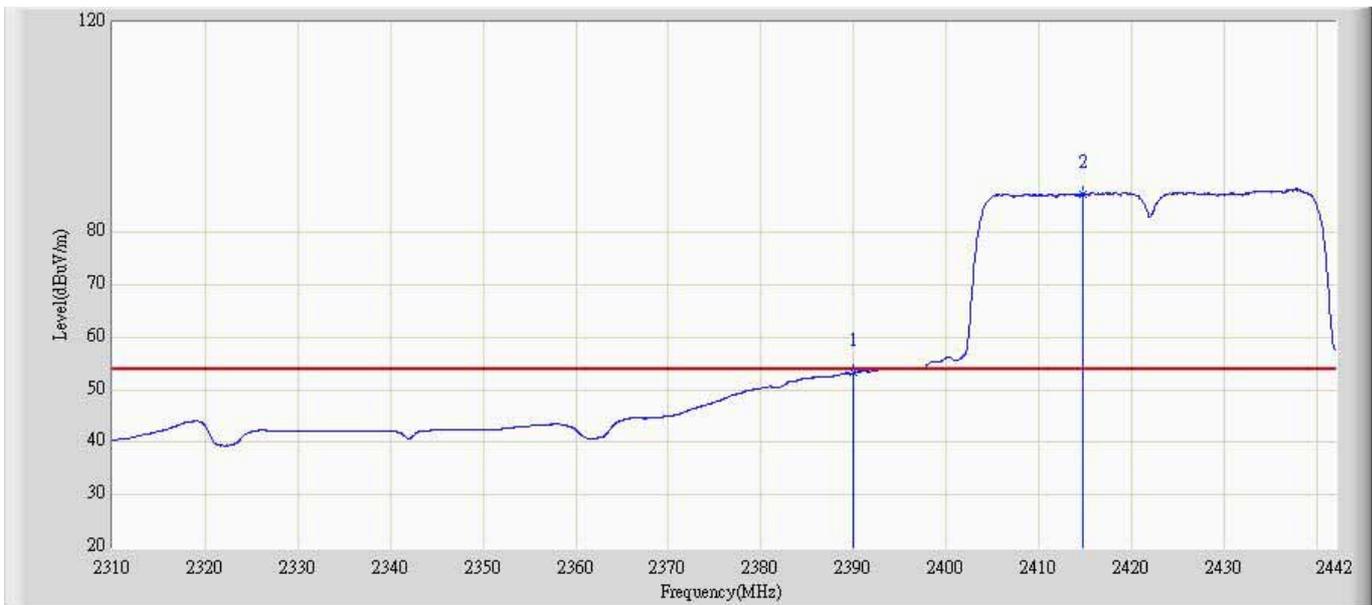
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2463.160	85.508	47.213	N/A	N/A	38.295	AV
2			2483.500	45.170	6.695	-8.830	54.000	38.475	AV

Site: AC5	Time: 2014/01/10 - 13:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2422MHz by 802.11n(40MHz) ant 0	



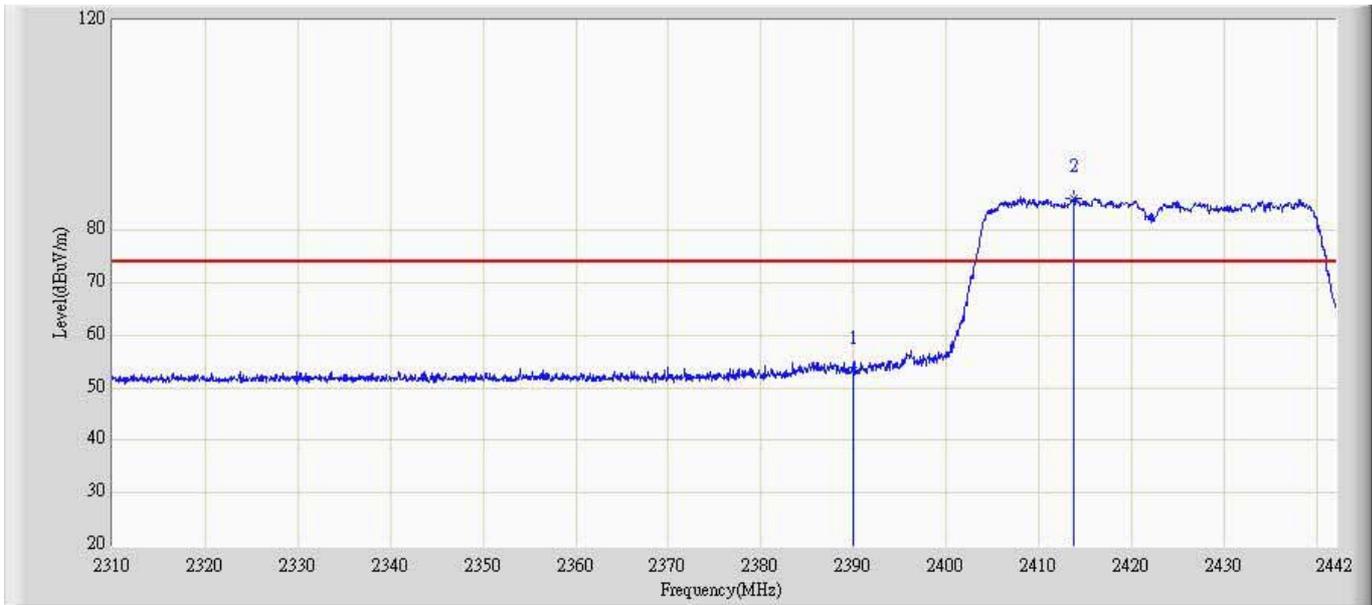
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2388.012	73.750	46.076	-0.250	74.000	27.674	PK
2		2390.000	72.451	44.769	-1.549	74.000	27.682	PK
3	*	2415.006	101.629	73.846	N/A	N/A	27.783	PK

Site: AC5	Time: 2014/01/10 - 13:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2422MHz by 802.11n(40MHz) ant 0	



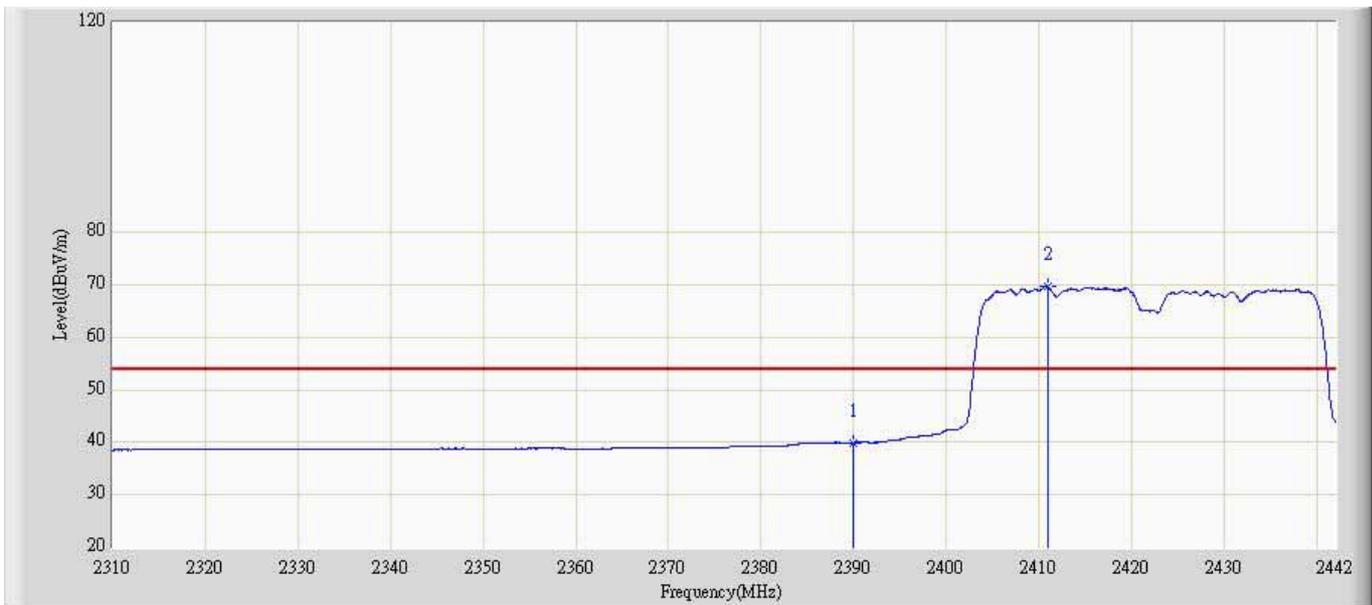
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.220	25.538	-0.780	54.000	27.682	AV
2	*	2414.676	87.371	59.590	N/A	N/A	27.782	AV

Site: AC5	Time: 2014/01/10 - 13:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2422MHz by 802.11n(40MHz) ant 0	



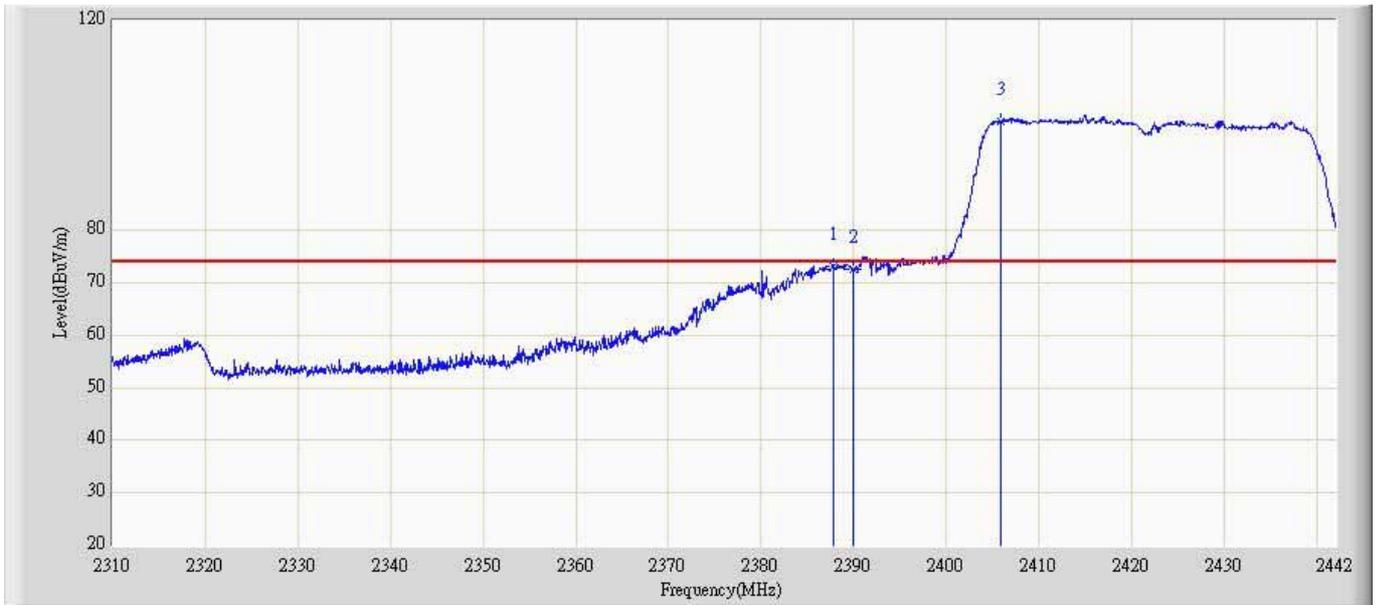
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.229	25.547	-20.771	74.000	27.682	PK
2	*	2413.752	86.054	58.277	N/A	N/A	27.777	PK

Site: AC5	Time: 2014/01/10 - 14:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2422MHz by 802.11n(40MHz) ant 0	



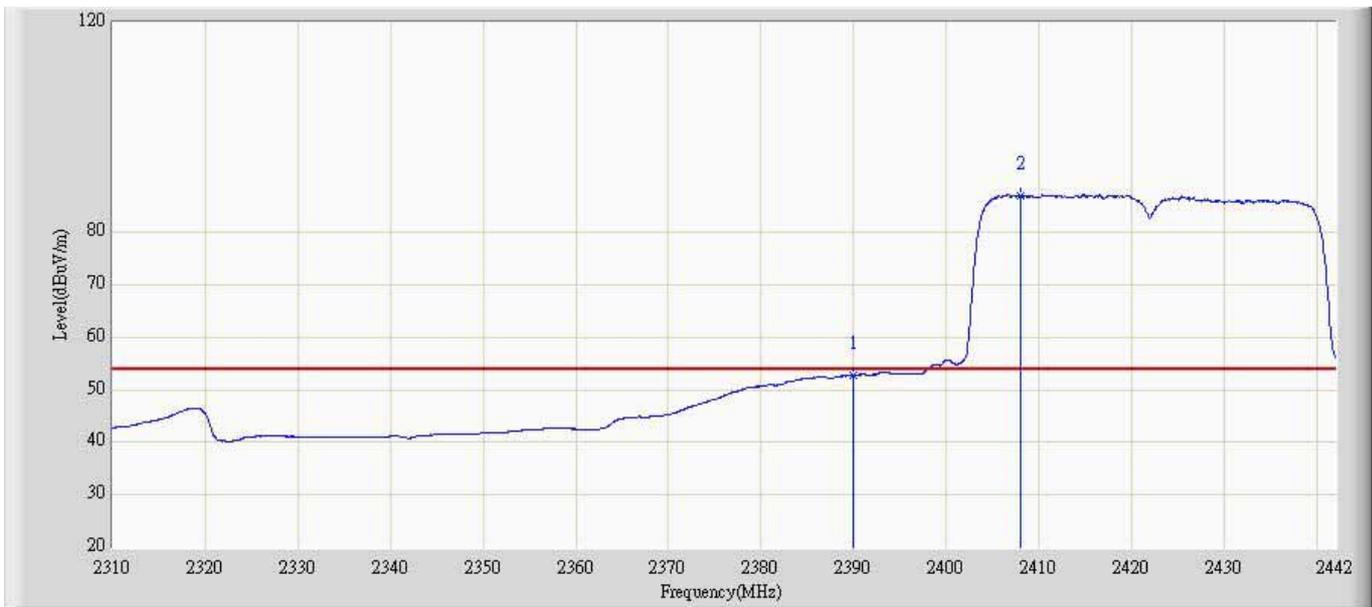
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	39.942	12.260	-14.058	54.000	27.682	AV
2	*	2410.914	69.738	41.972	N/A	N/A	27.766	AV

Site: AC5	Time: 2014/01/10 - 14:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2422MHz by 802.11n(40MHz) ant 1	



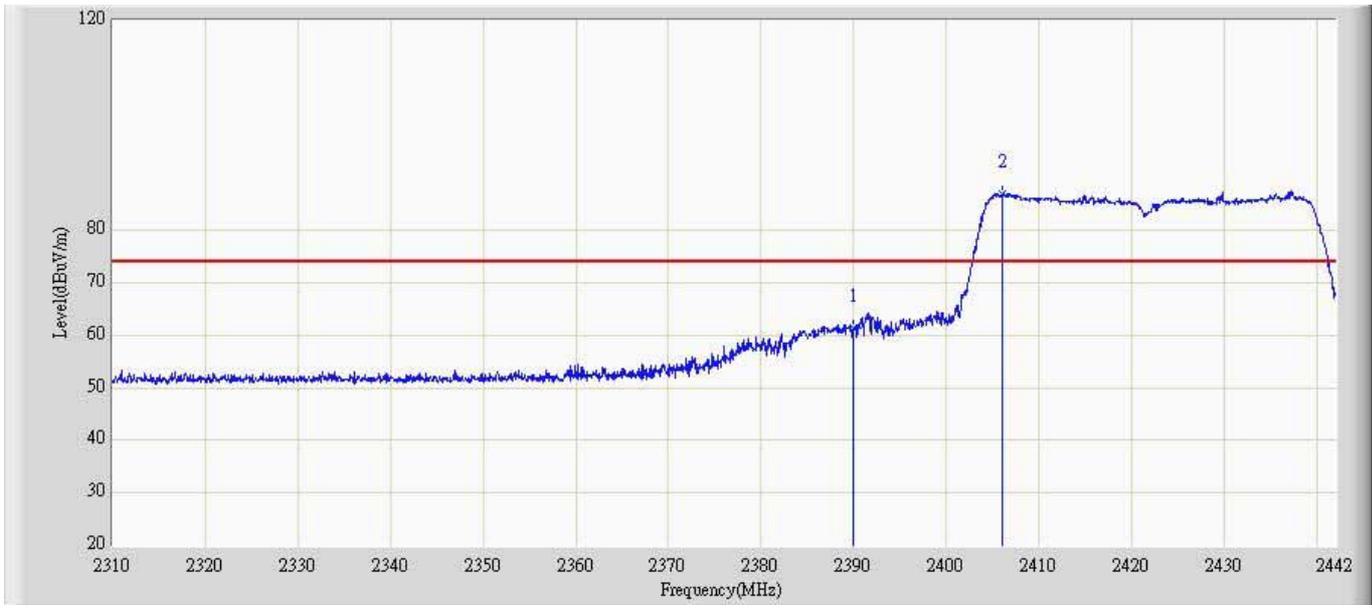
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2387.814	73.304	45.630	-0.696	74.000	27.674	PK
2		2390.000	72.467	44.785	-1.533	74.000	27.682	PK
3	*	2405.850	100.849	73.104	N/A	N/A	27.745	PK

Site: AC5	Time: 2014/01/10 - 14:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2422MHz by 802.11n(40MHz) ant 1	



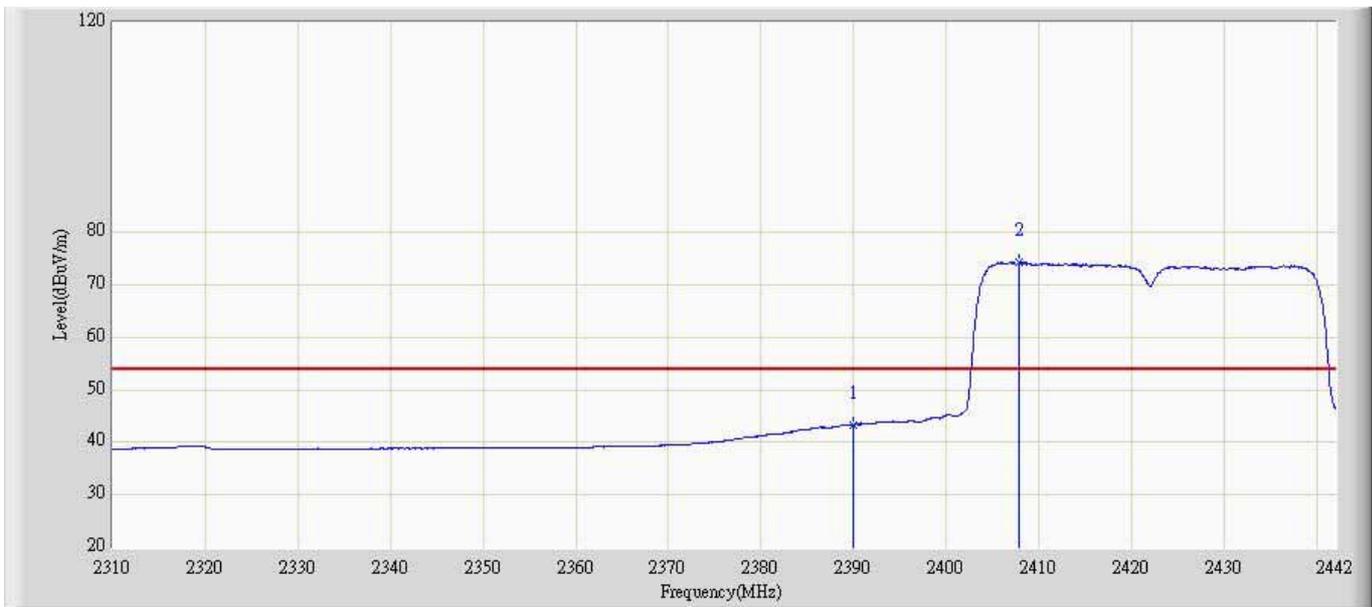
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.660	24.978	-1.340	54.000	27.682	AV
2	*	2408.076	86.994	59.240	N/A	N/A	27.754	AV

Site: AC5	Time: 2014/01/10 - 14:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2422MHz by 802.11n(40MHz) ant 1	



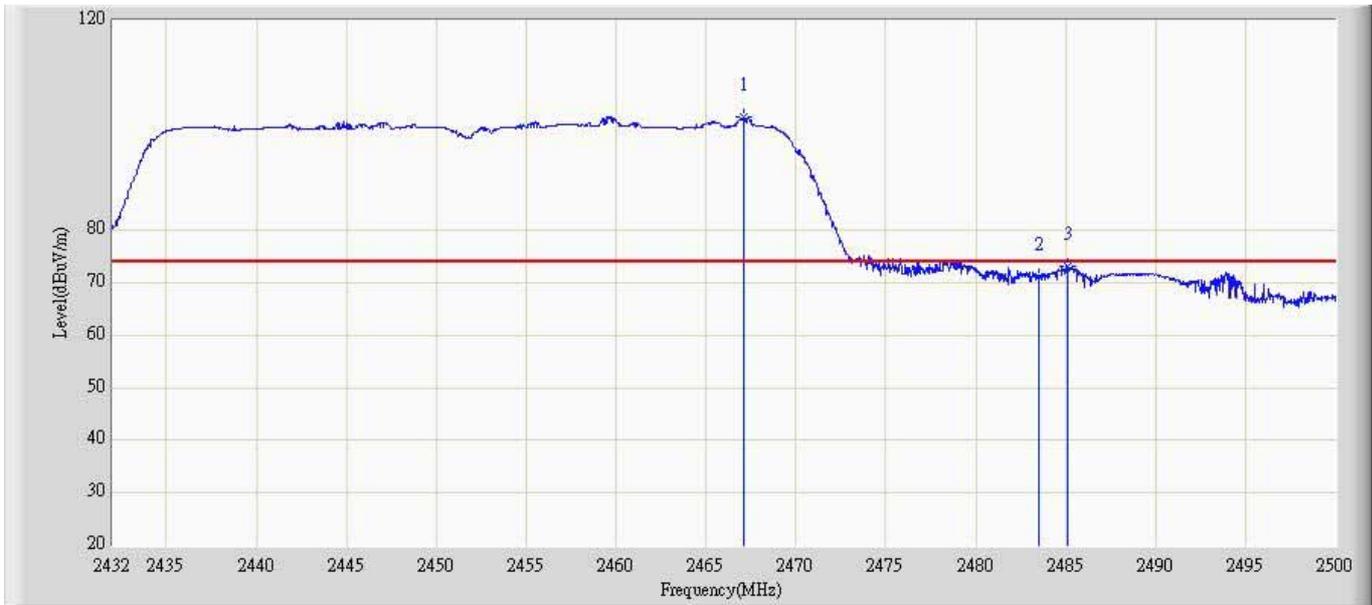
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	61.370	33.688	-12.630	74.000	27.682	PK
2	*	2406.096	86.937	59.191	N/A	N/A	27.746	PK

Site: AC5	Time: 2014/01/10 - 14:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2422MHz by 802.11n(40MHz) ant 1	



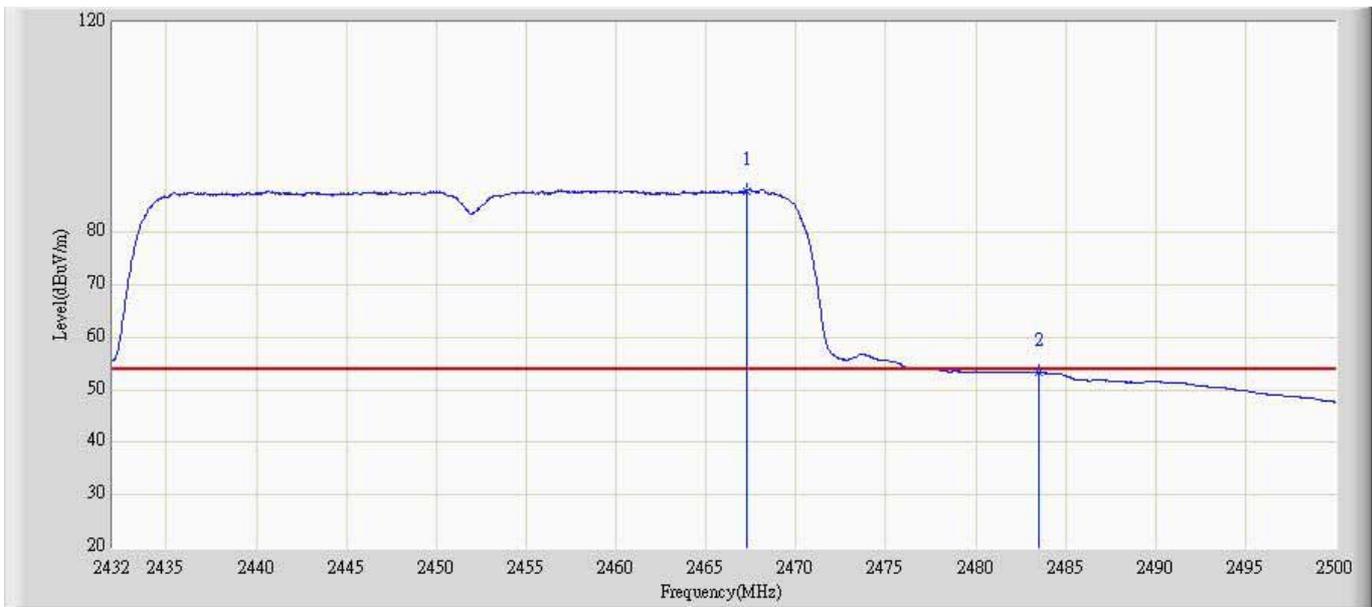
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	43.391	15.709	-10.609	54.000	27.682	AV
2	*	2407.812	74.229	46.476	N/A	N/A	27.753	AV

Site: AC5	Time: 2014/01/10 - 14:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2452MHz by 802.11n(40MHz) ant 0	



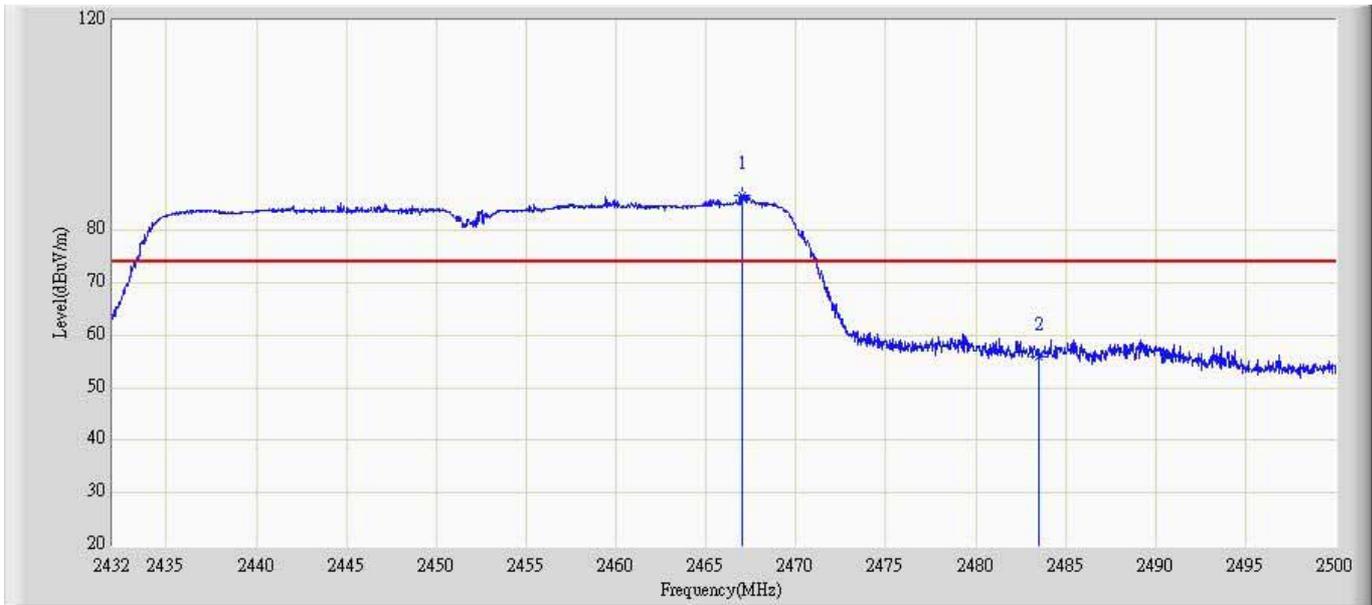
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2467.088	101.484	73.489	N/A	N/A	27.995	PK
2		2483.500	71.094	43.037	-2.906	74.000	28.057	PK
3		2485.108	73.158	45.095	-0.842	74.000	28.063	PK

Site: AC5	Time: 2014/01/10 - 14:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2452MHz by 802.11n(40MHz) ant 0	



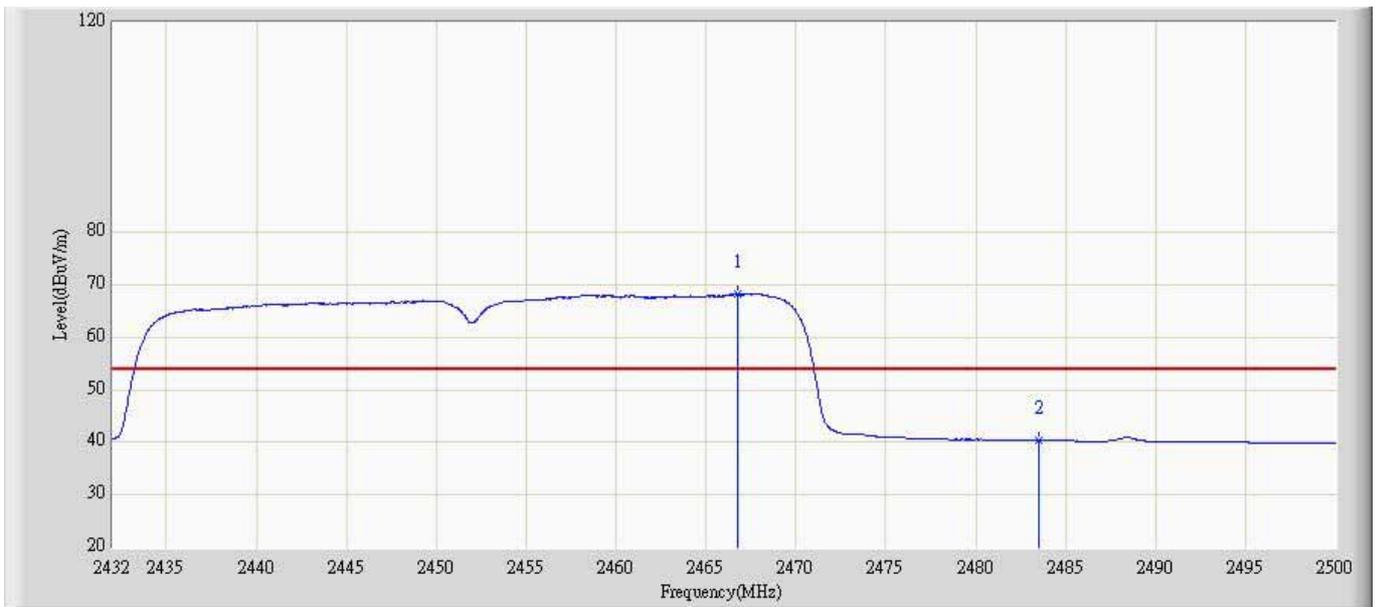
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2467.258	87.932	59.936	N/A	N/A	27.996	AV
2		2483.500	53.272	25.215	-0.728	54.000	28.057	AV

Site: AC5	Time: 2014/01/10 - 14:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2452MHz by 802.11n(40MHz) ant 0	



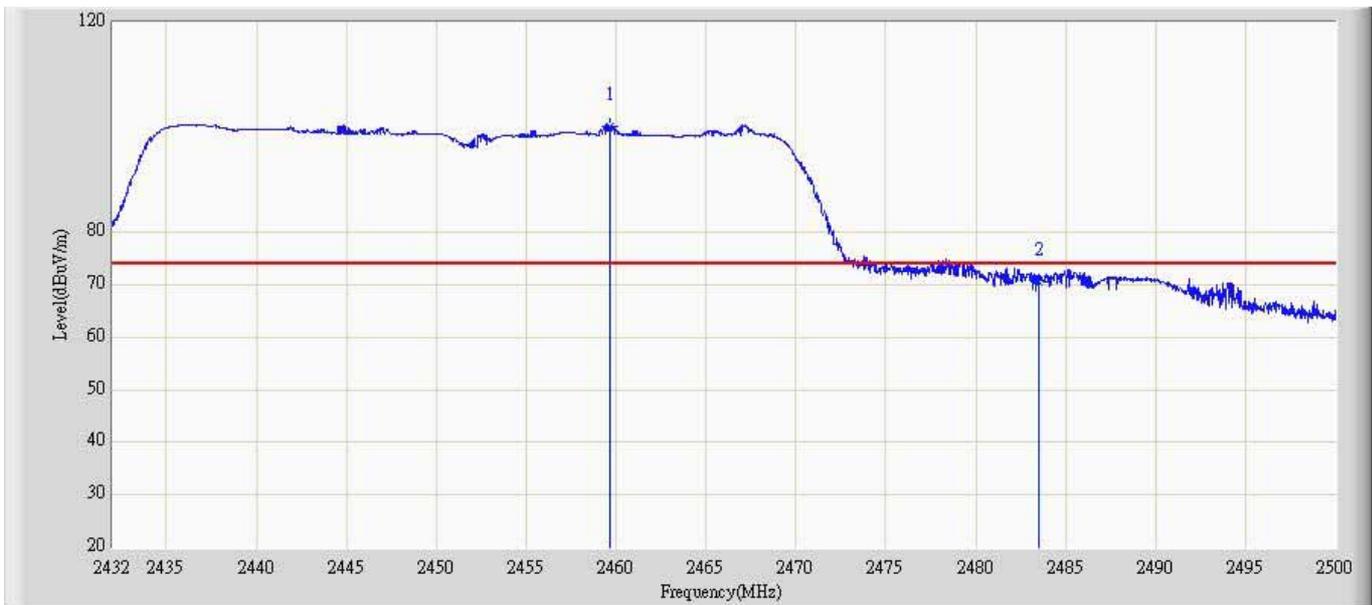
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2467.020	86.685	58.690	N/A	N/A	27.995	PK
2		2483.500	56.040	27.983	-17.960	74.000	28.057	PK

Site: AC5	Time: 2014/01/10 - 14:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2452MHz by 802.11n(40MHz) ant 0	



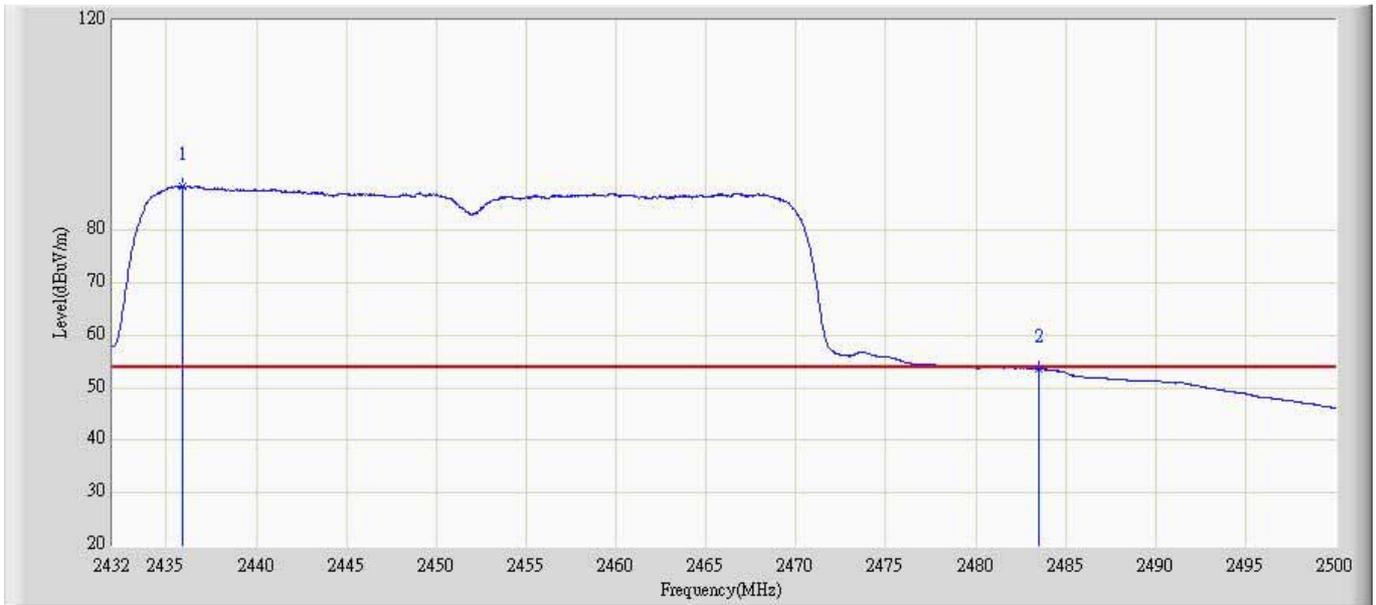
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2466.748	68.135	40.141	N/A	N/A	27.994	AV
2		2483.500	40.485	12.428	-13.515	54.000	28.057	AV

Site: AC5	Time: 2014/01/10 - 14:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2452MHz by 802.11n(40MHz) ant 1	



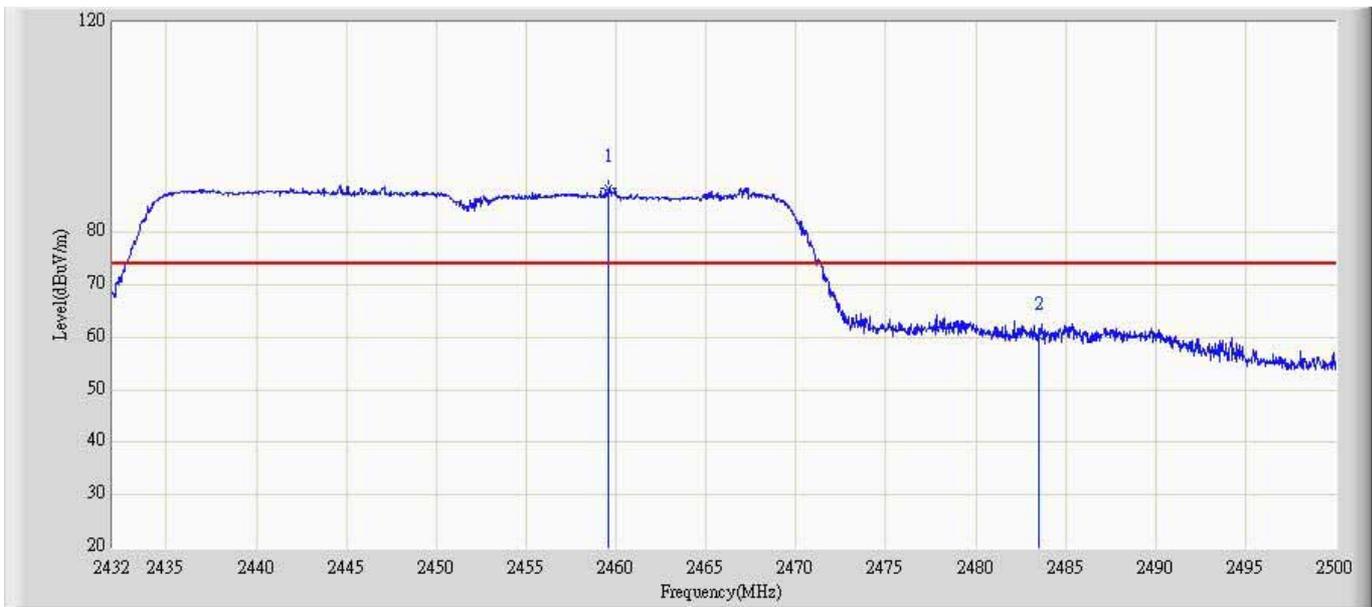
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2459.642	100.291	72.324	N/A	N/A	27.967	PK
2		2483.500	70.650	42.593	-3.350	74.000	28.057	PK

Site: AC5	Time: 2014/01/10 - 14:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2452MHz by 802.11n(40MHz) ant 1	



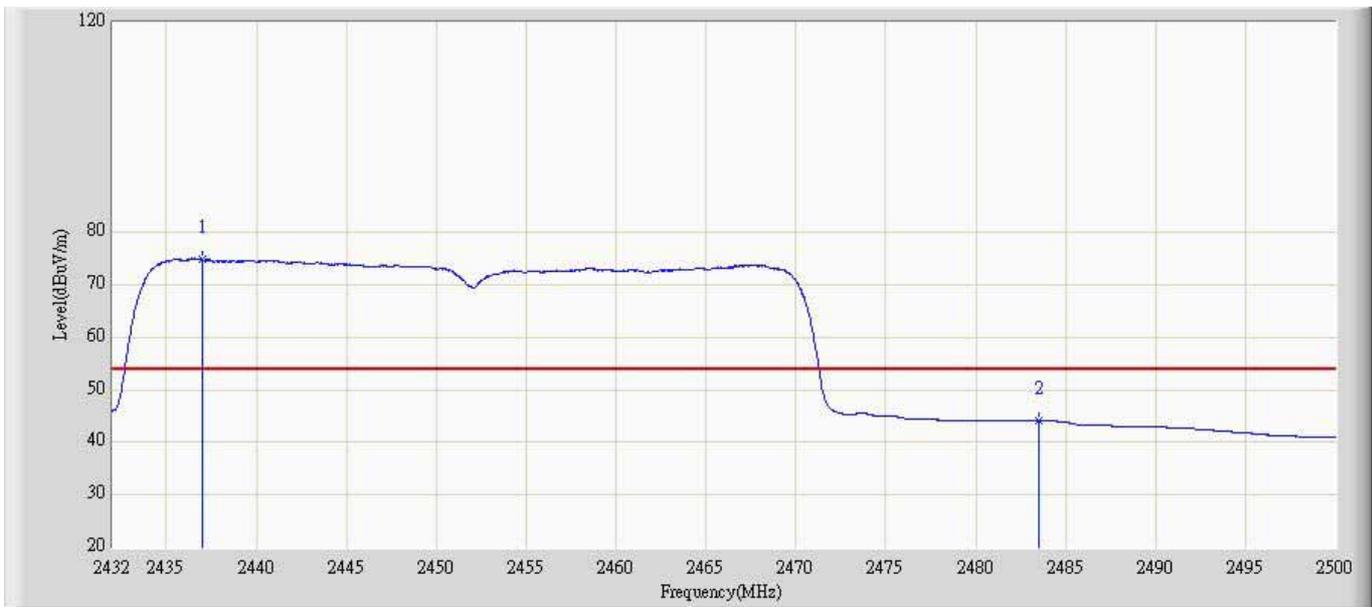
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2435.910	88.416	60.545	N/A	N/A	27.870	AV
2		2483.500	53.659	25.602	-0.341	54.000	28.057	AV

Site: AC5	Time: 2014/01/10 - 14:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2452MHz by 802.11n(40MHz) ant 1	



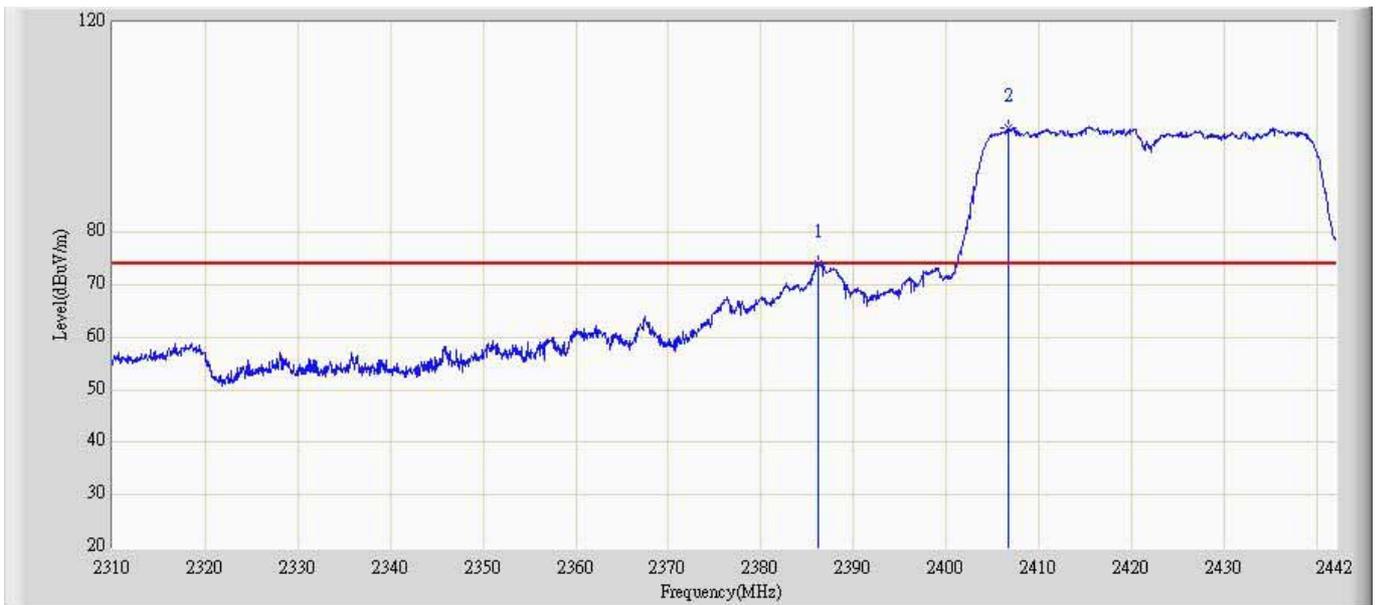
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2459.574	88.490	60.524	N/A	N/A	27.967	PK
2		2483.500	60.168	32.111	-13.832	74.000	28.057	PK

Site: AC5	Time: 2014/01/10 - 14:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2452MHz by 802.11n(40MHz) ant 1	



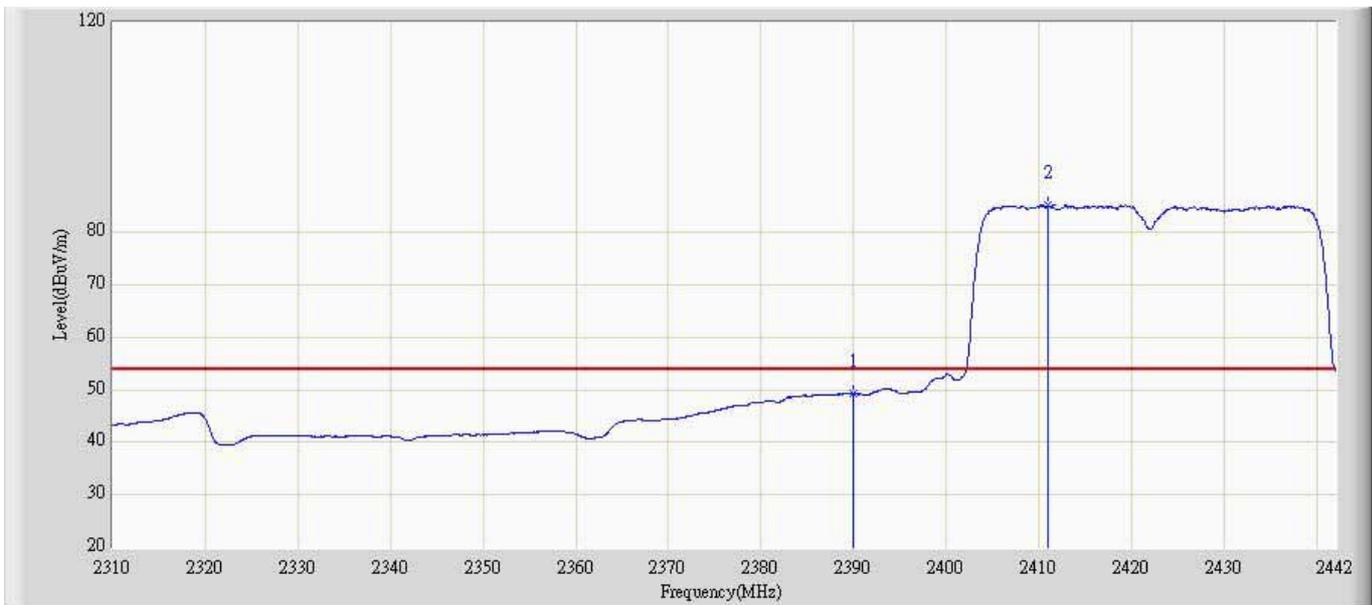
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2436.964	74.882	47.007	N/A	N/A	27.875	AV
2		2483.500	44.240	16.183	-9.760	54.000	28.057	AV

Site: AC5	Time: 2014/01/10 - 15:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2422MHz by 802.11n(40MHz) ant 0+1	



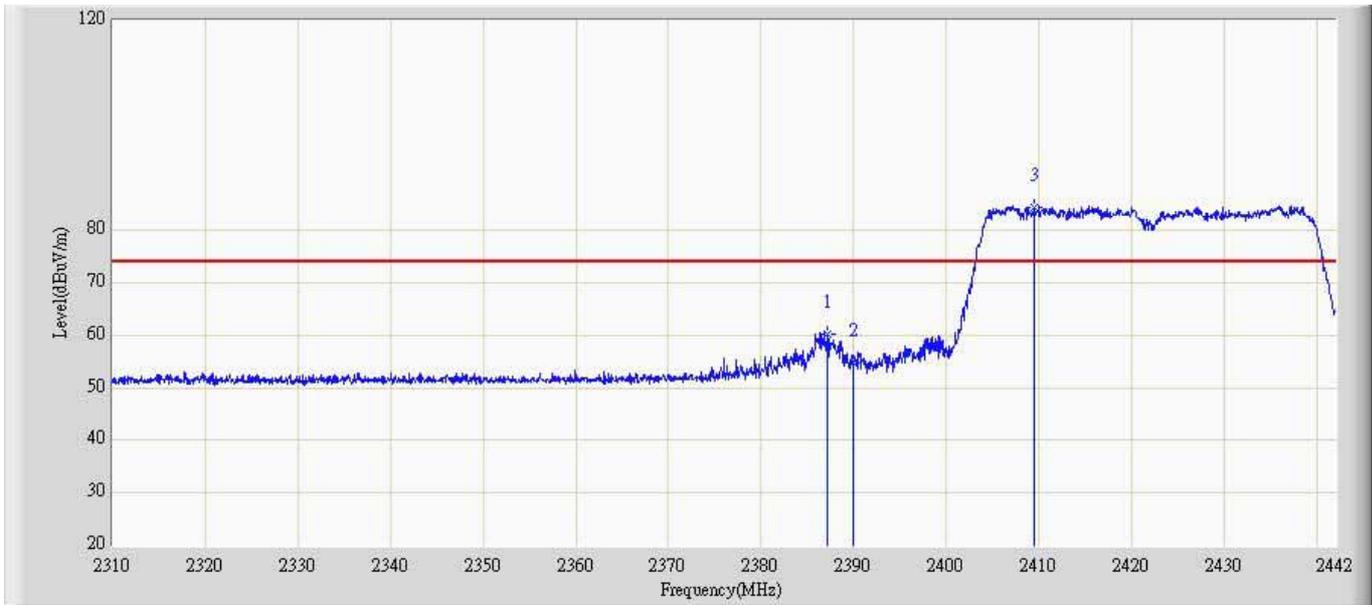
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2386.230	73.947	46.279	-0.053	74.000	27.668	PK
2	*	2406.624	99.852	72.104	N/A	N/A	27.748	PK

Site: AC5	Time: 2014/01/10 - 15:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2422MHz by 802.11n(40MHz) ant 0+1	



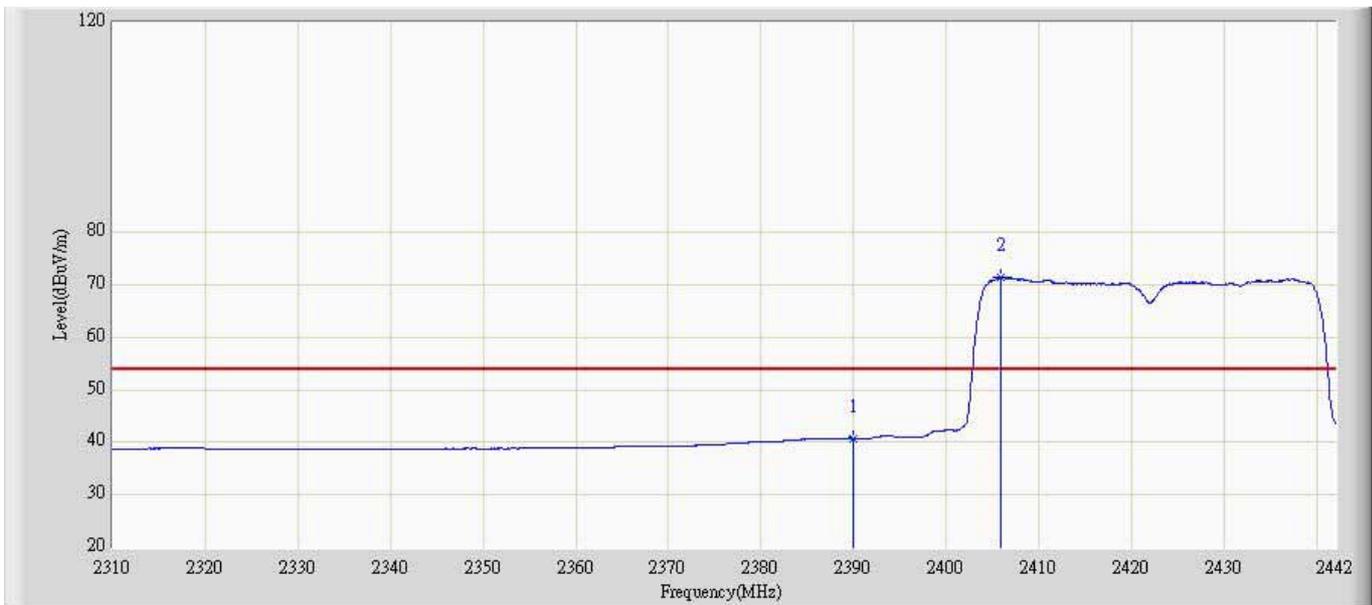
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	49.337	21.655	-4.663	54.000	27.682	AV
2	*	2411.046	85.089	57.323	N/A	N/A	27.766	AV

Site: AC5	Time: 2014/01/10 - 16:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2422MHz by 802.11n(40MHz) ant 0+1	



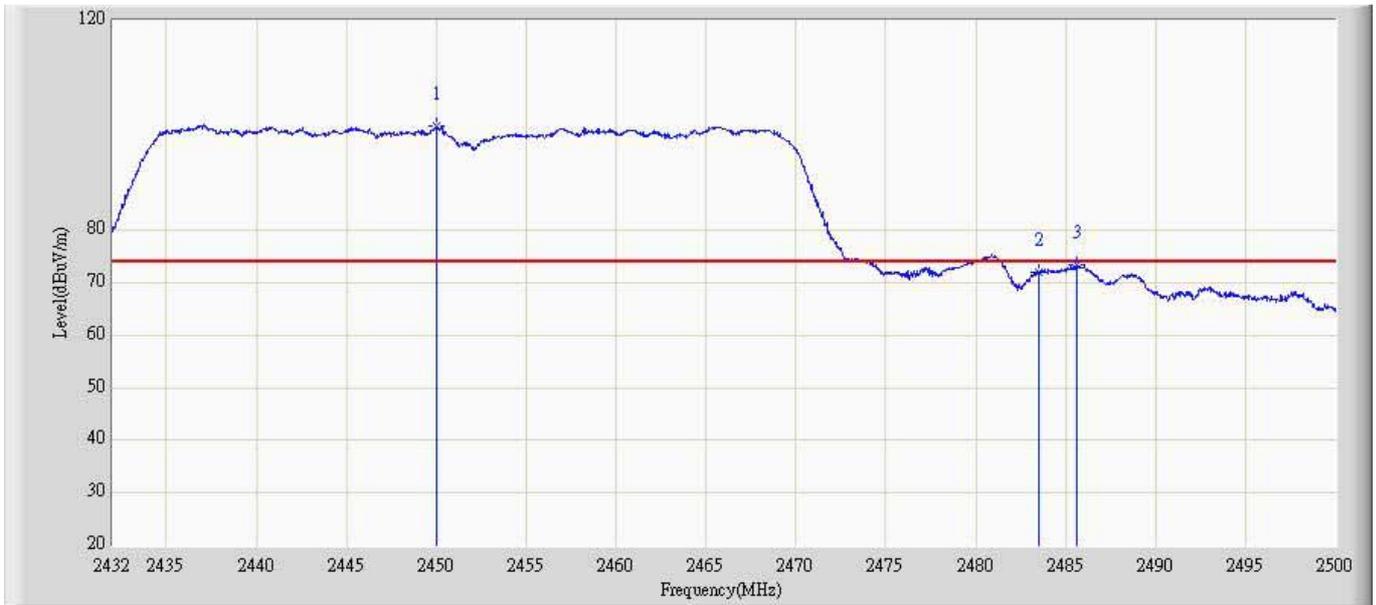
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2387.154	60.288	32.617	-13.712	74.000	27.671	PK
2		2390.000	54.727	27.045	-19.273	74.000	27.682	PK
3	*	2409.528	84.453	56.693	N/A	N/A	27.760	PK

Site: AC5	Time: 2014/01/10 - 16:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Horizontal
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2422MHz by 802.11n(40MHz) ant 0+1	



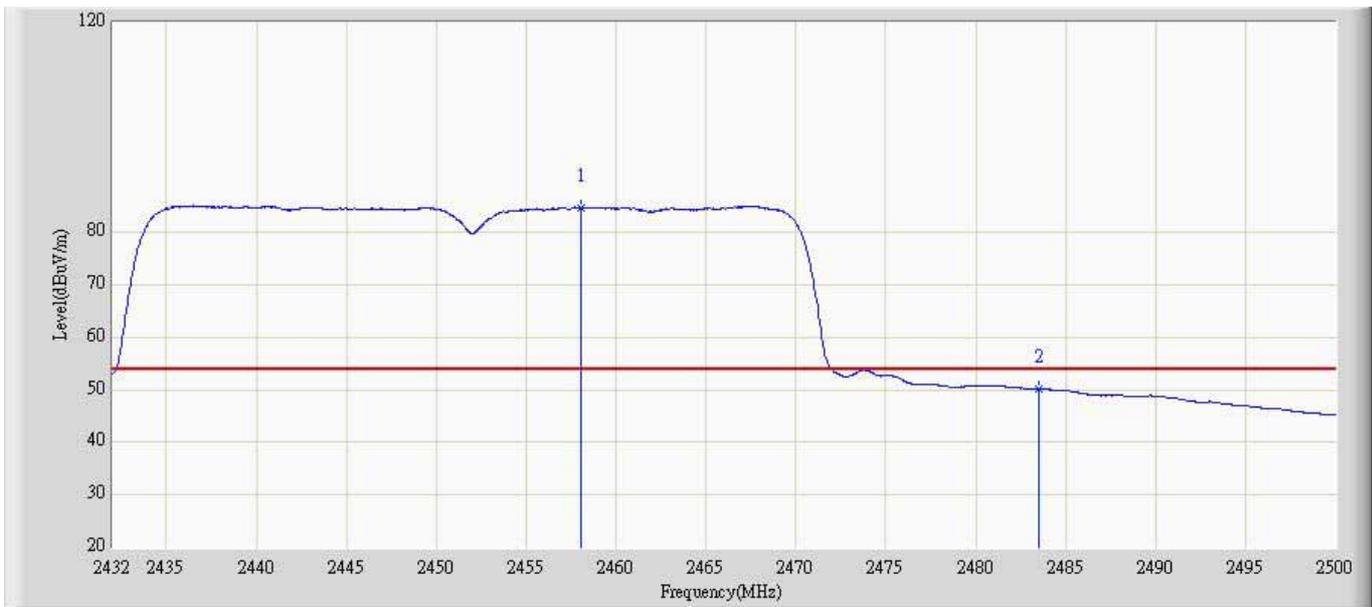
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	40.751	13.069	-13.249	54.000	27.682	AV
2	*	2405.898	71.400	43.655	N/A	N/A	27.745	AV

Site: AC5	Time: 2014/01/10 - 16:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2452MHz by 802.11n(40MHz) ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2450.020	99.760	71.831	N/A	N/A	27.929	PK
2		2483.500	71.991	43.934	-2.009	74.000	28.057	PK
3		2485.652	73.319	45.254	-0.681	74.000	28.065	PK

Site: AC5	Time: 2014/01/10 - 16:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D-737(1-18GHz)_New	Polarity: Vertical
EUT: GPON Terminal	Power: AC 120V/60Hz
Note: Mode4: Transmit at channel 2452MHz by 802.11n(40MHz) ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2458.044	84.754	56.794	N/A	N/A	27.961	AV
2		2483.500	50.237	22.180	-3.763	54.000	28.057	AV

7. Operation Frequency Range of 20dB Bandwidth

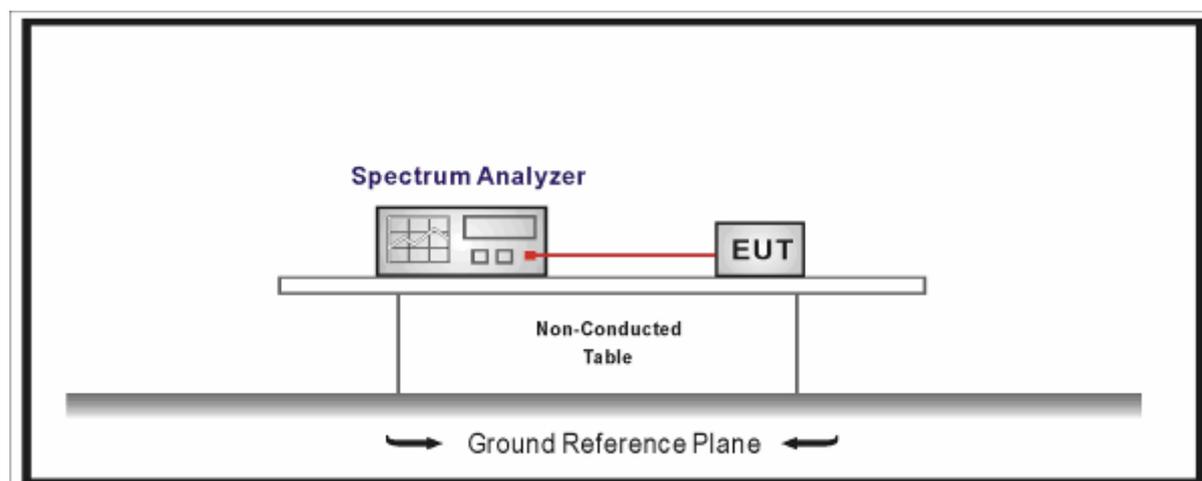
7.1. Test Equipment

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	2014.05.08

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

20 dB bandwidth of the emission is contained within the operation frequency band.

7.4. 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.

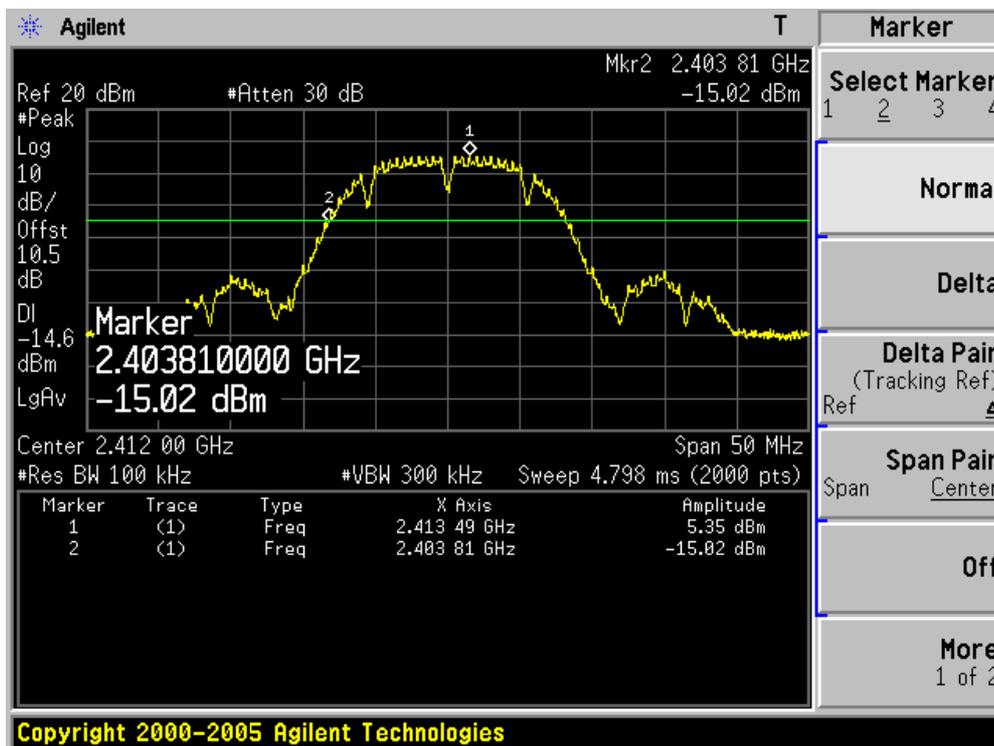
7.5. Uncertainty

The measurement uncertainty is defined as ± 1 kHz

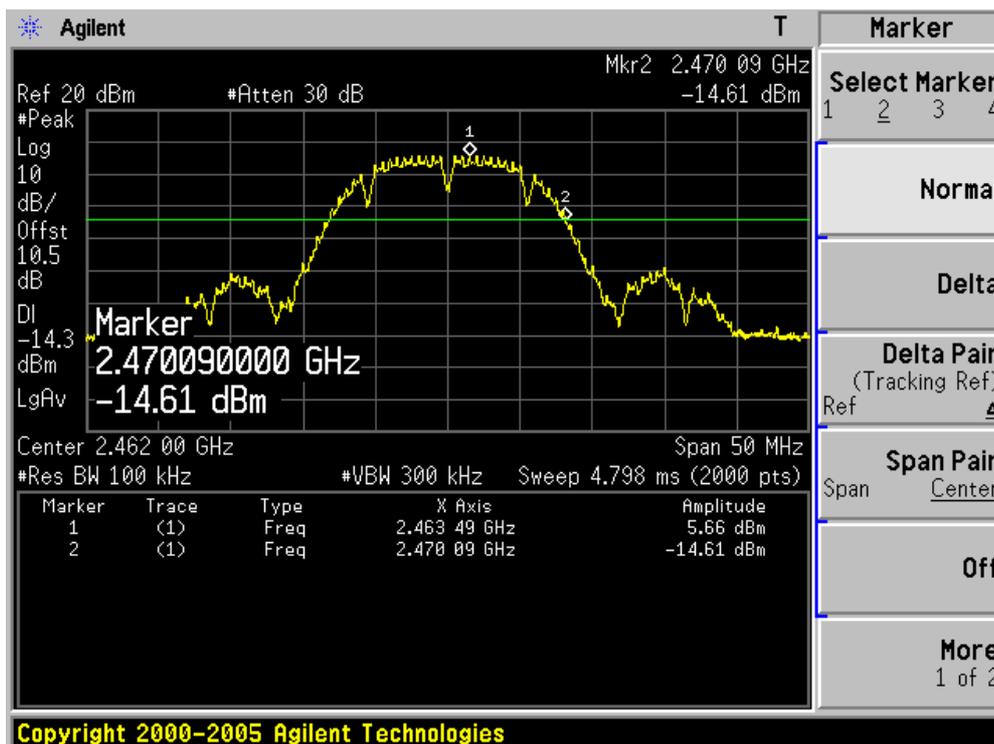
7.6. Test Result

Product	:	GPON Terminal
Test Item	:	Operation Frequency Range of 20dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Ant 0)

Channel 01 (2412MHz)

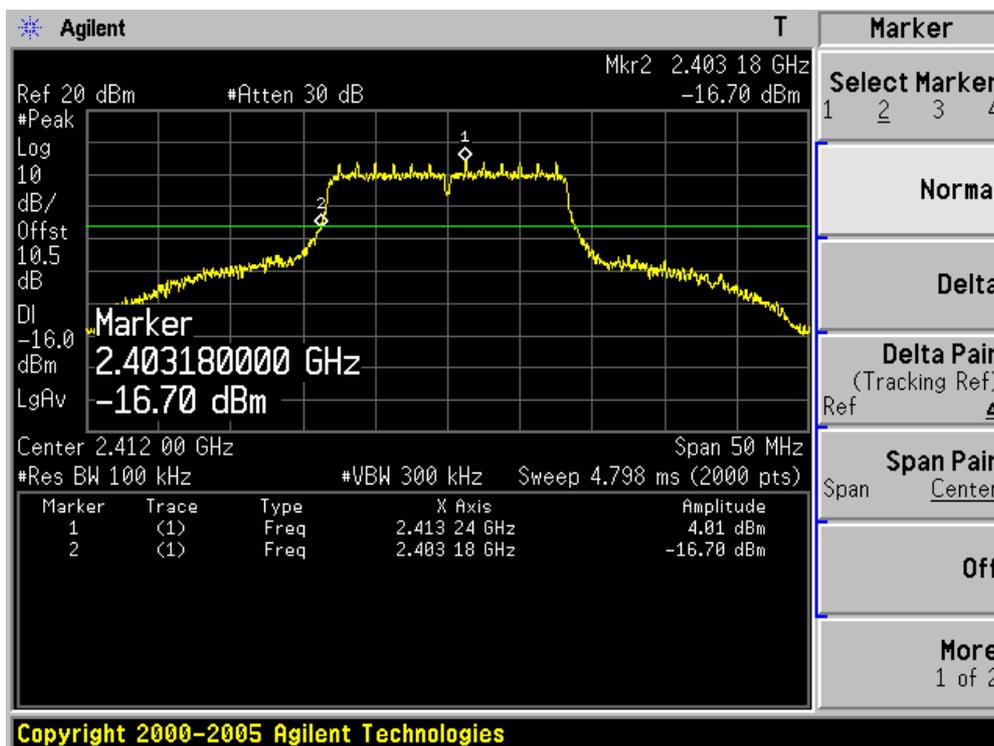


Channel 11 (2462MHz)

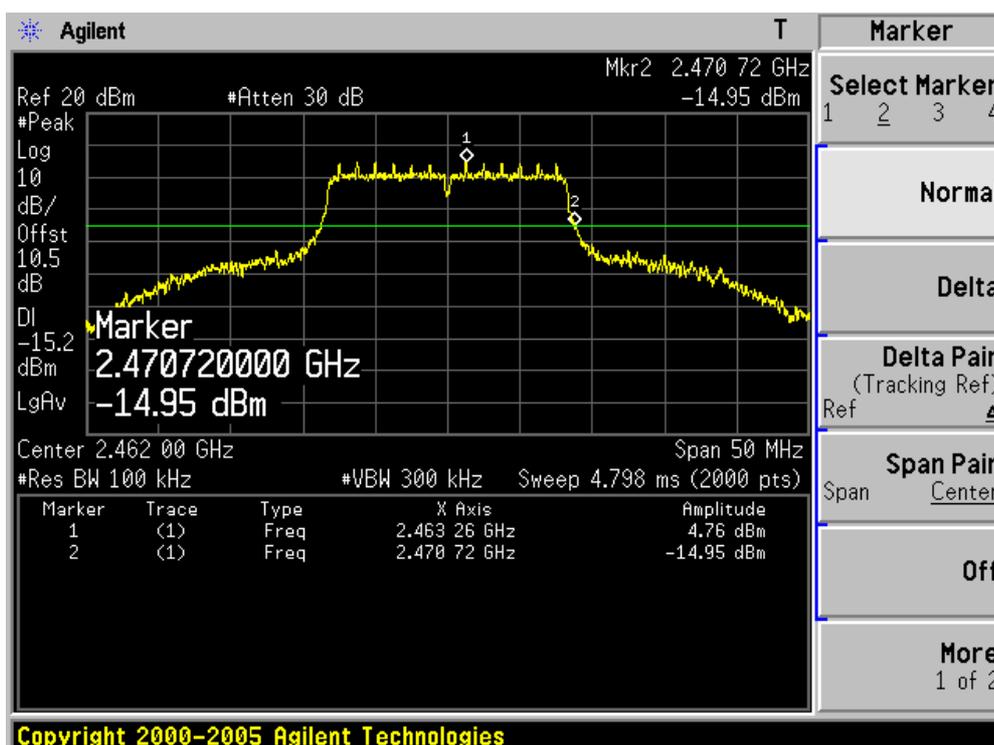


Product	: GPON Terminal
Test Item	: Operation Frequency Range of 20dB Bandwidth
Test Site	: TR-8
Test Mode	: Mode 2: Transmit by 802.11g (Ant 0)

Channel 01 (2412MHz)

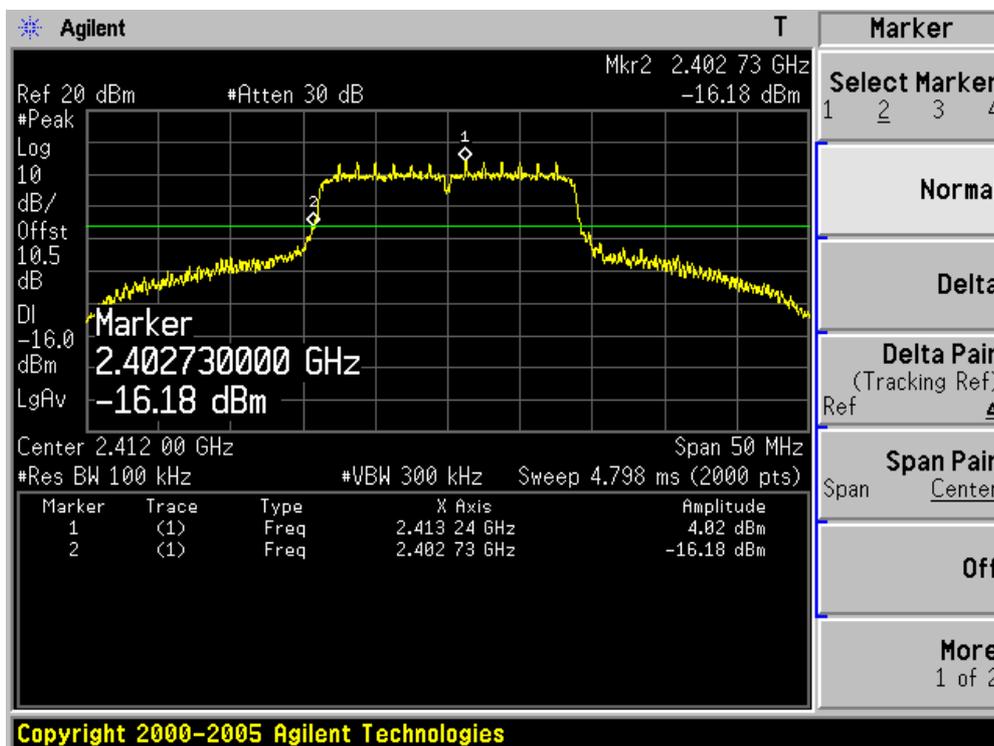


Channel 11 (2462MHz)

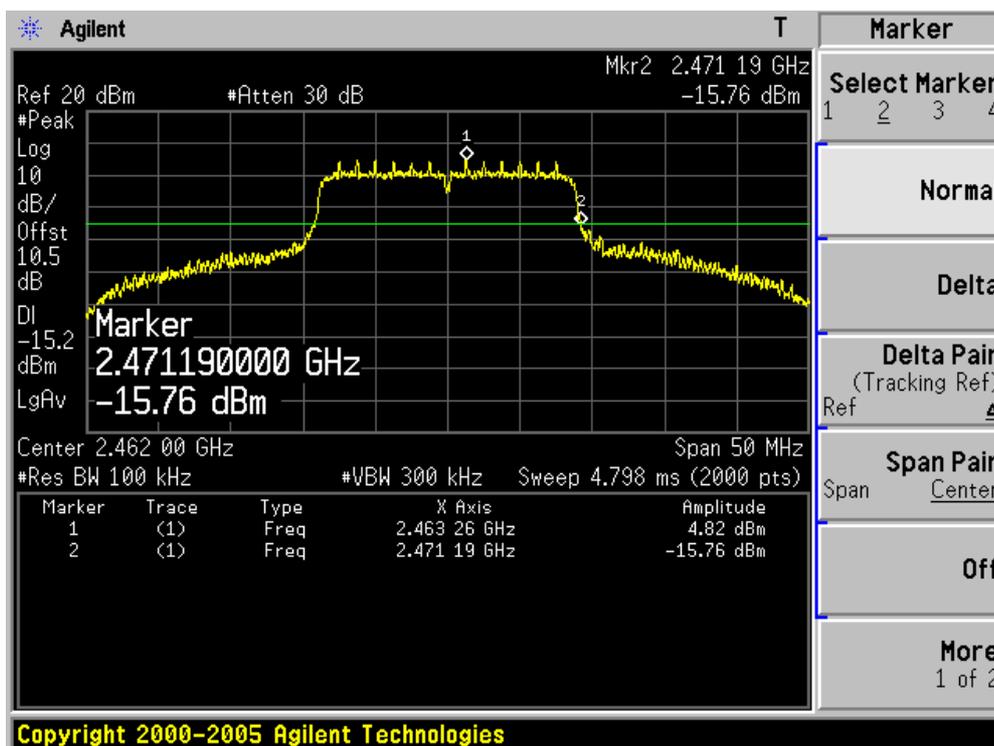


Product	: GPON Terminal
Test Item	: Operation Frequency Range of 20dB Bandwidth
Test Site	: TR-8
Test Mode	: Mode 3: Transmit by 802.11n(20MHz) (Ant 0)

Channel 01 (2412MHz)

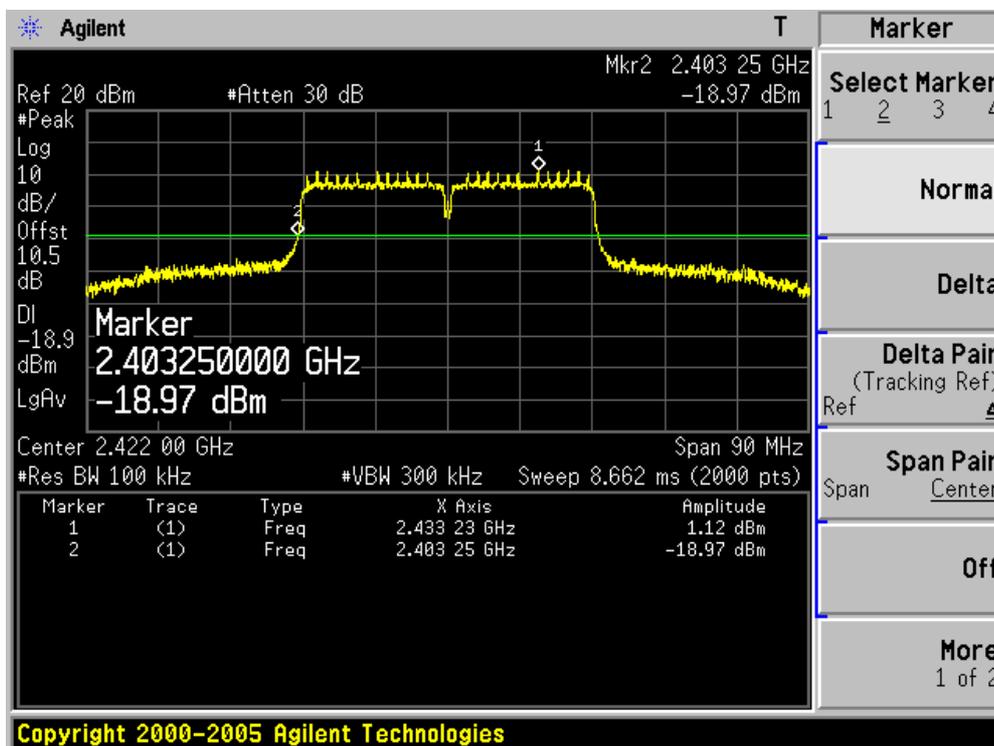


Channel 11 (2462MHz)

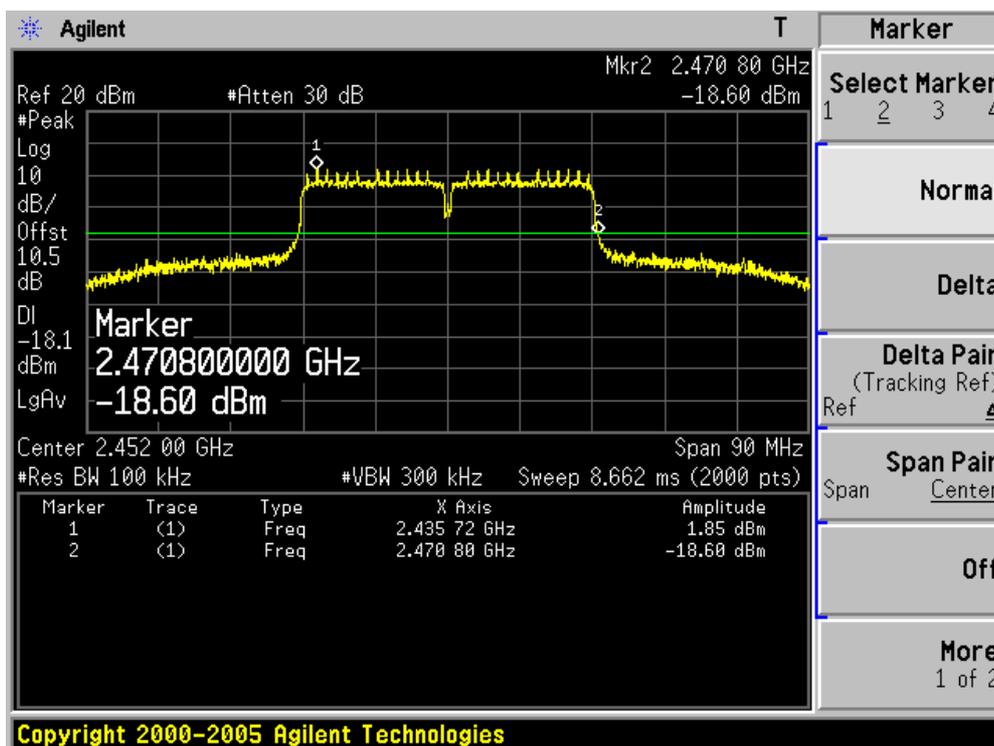


Product	: GPON Terminal
Test Item	: Operation Frequency Range of 20dB Bandwidth
Test Site	: TR-8
Test Mode	: Mode 4: Transmit by 802.11n(40MHz) (Ant 0)

Channel 03 (2422MHz)

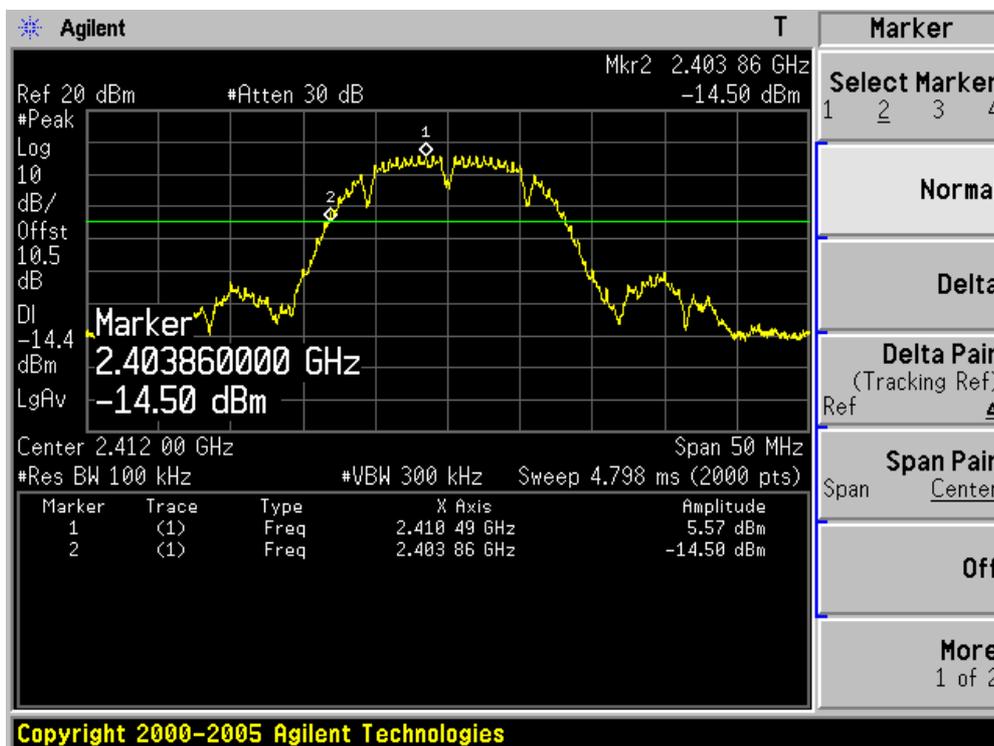


Channel 09 (2452MHz)

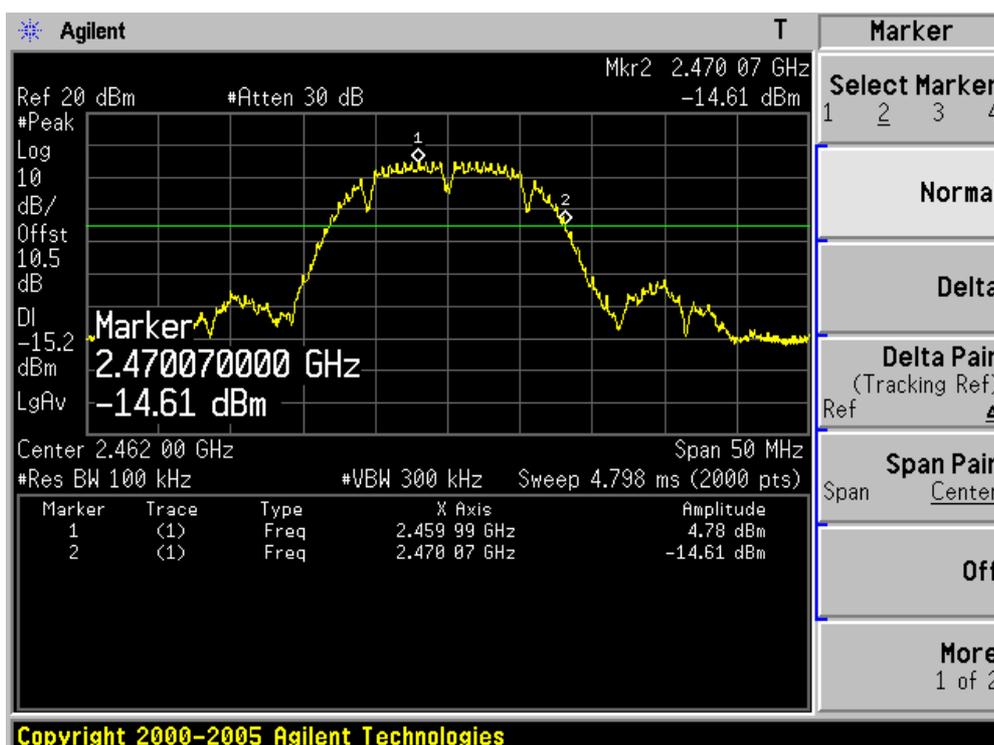


Product	: GPON Terminal
Test Item	: Operation Frequency Range of 20dB Bandwidth
Test Site	: TR-8
Test Mode	: Mode 1: Transmit by 802.11b (Ant 1)

Channel 01 (2412MHz)

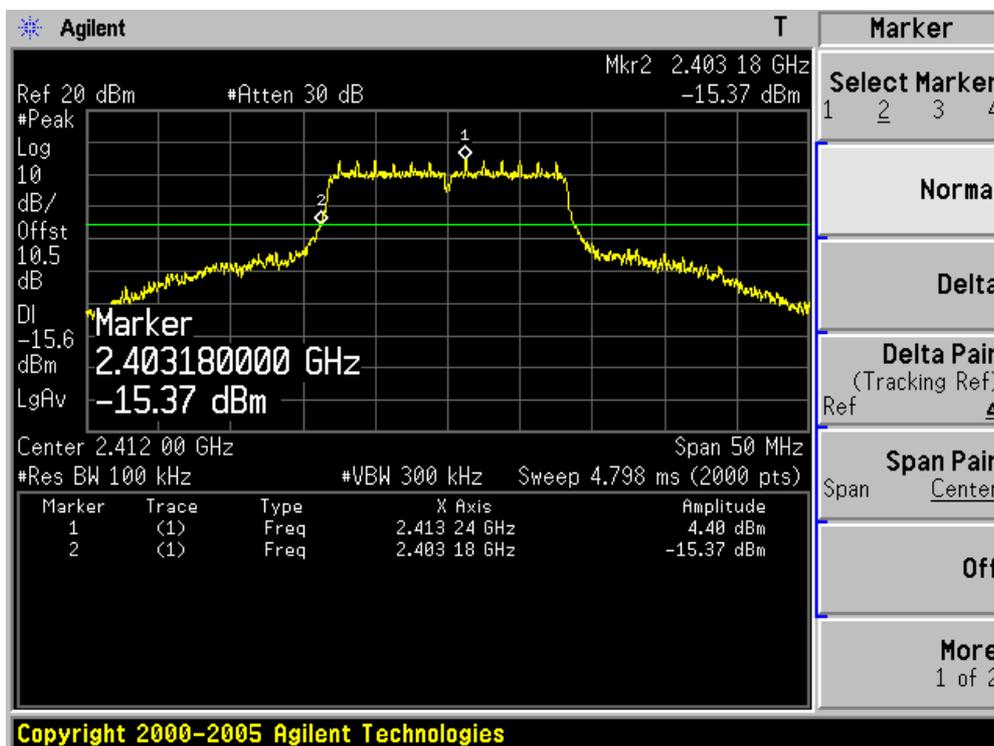


Channel 11 (2462MHz)

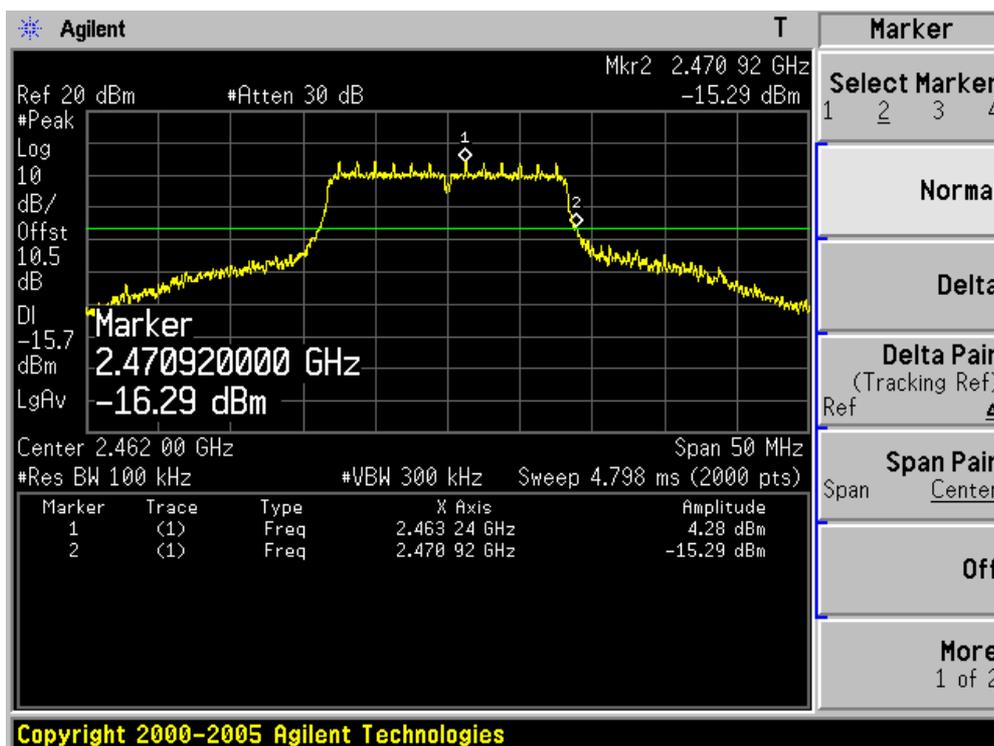


Product	: GPON Terminal
Test Item	: Operation Frequency Range of 20dB Bandwidth
Test Site	: TR-8
Test Mode	: Mode 2: Transmit by 802.11g (Ant 1)

Channel 01 (2412MHz)

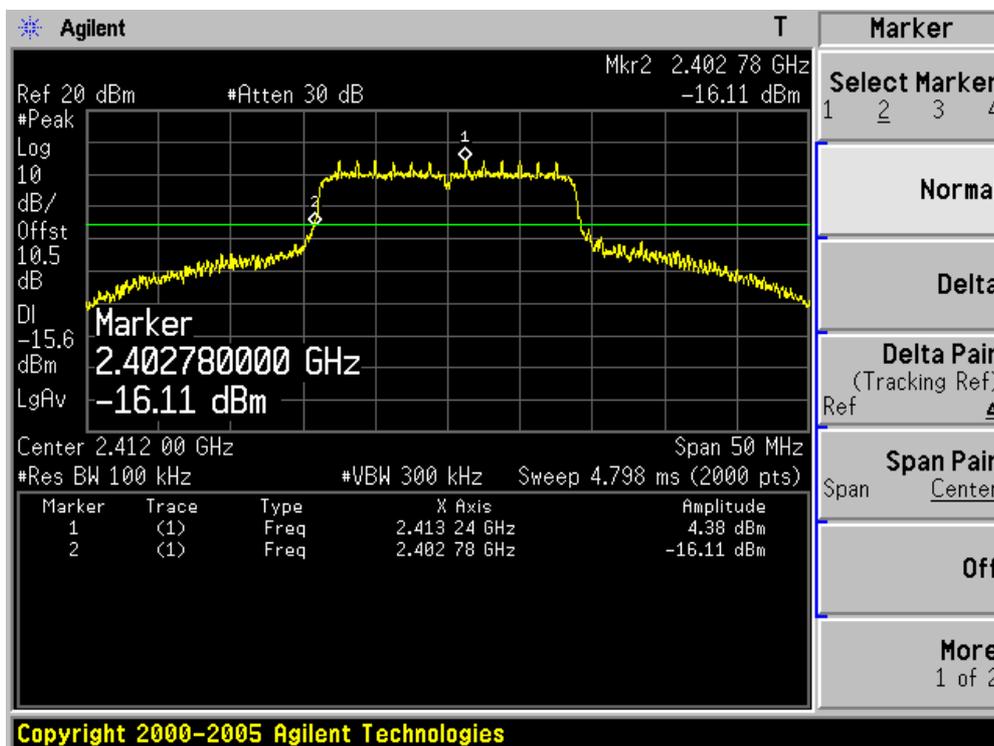


Channel 11 (2462MHz)

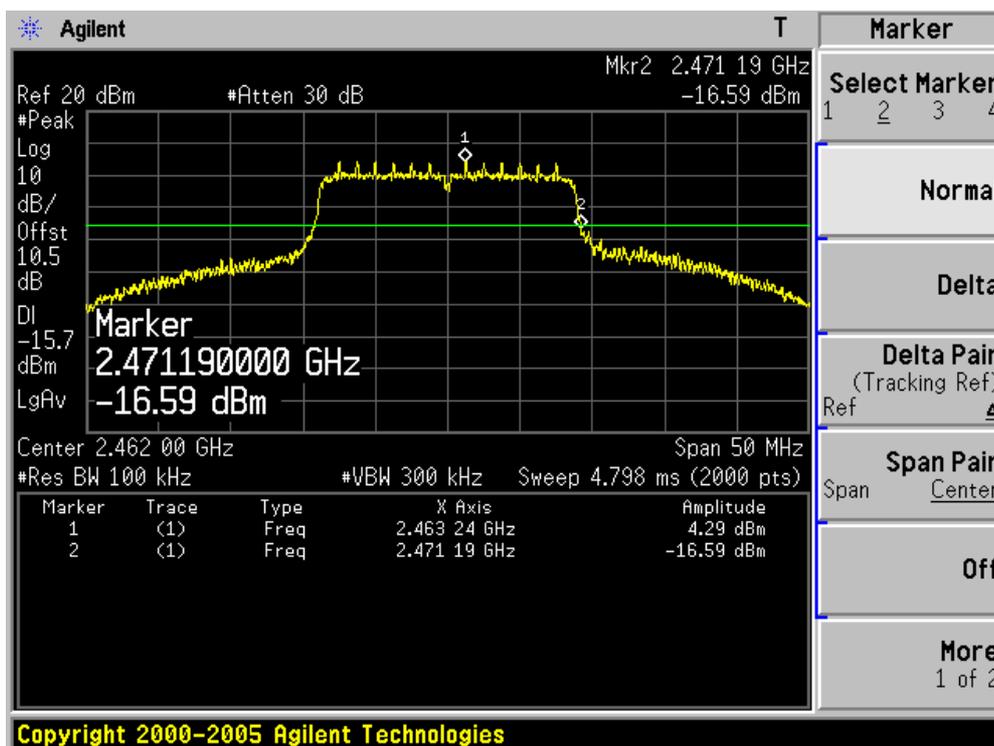


Product	: GPON Terminal
Test Item	: Operation Frequency Range of 20dB Bandwidth
Test Site	: TR-8
Test Mode	: Mode 3: Transmit by 802.11n(20MHz) (Ant 1)

Channel 01 (2412MHz)

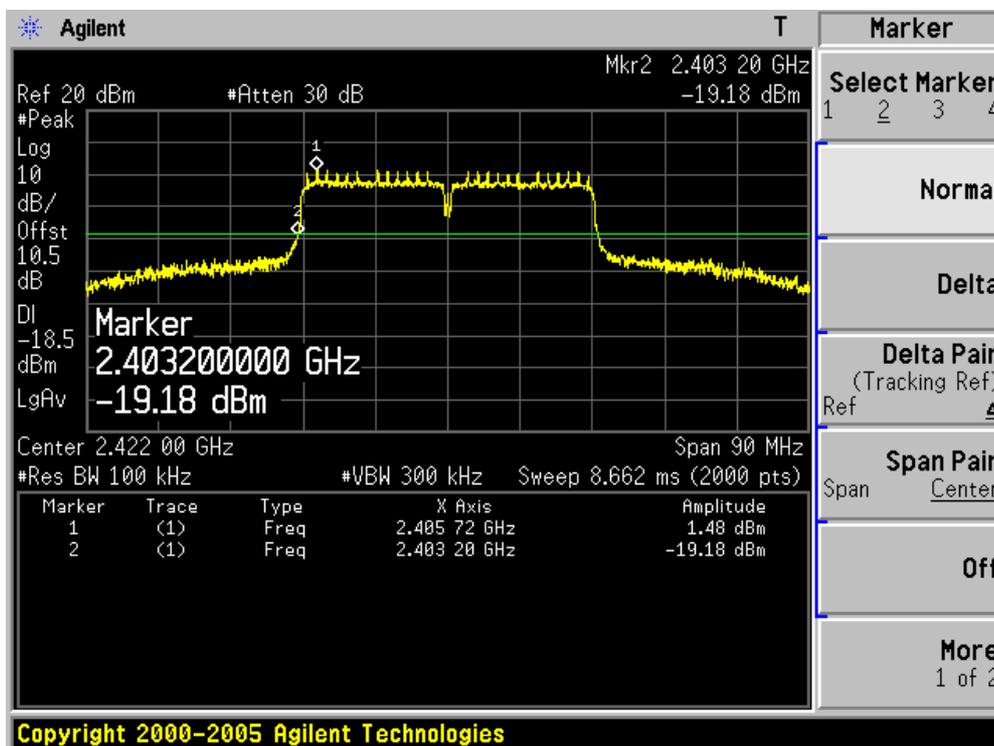


Channel 11 (2462MHz)

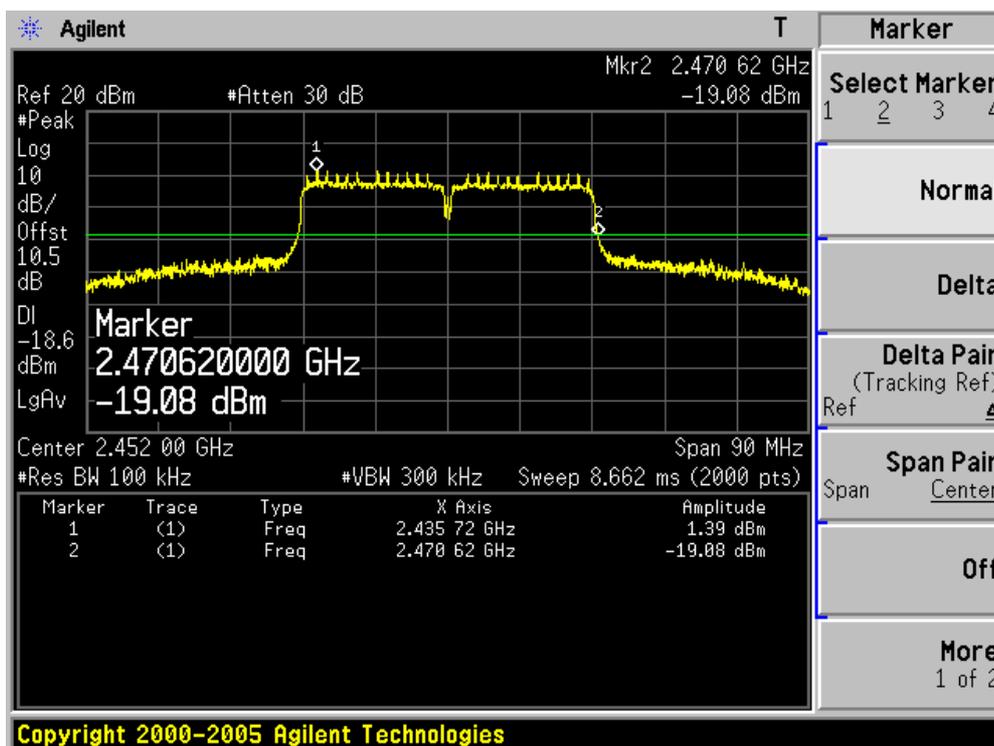


Product	: GPON Terminal
Test Item	: Operation Frequency Range of 20dB Bandwidth
Test Site	: TR-8
Test Mode	: Mode 4: Transmit by 802.11n(40MHz) (Ant1)

Channel 03 (2422MHz)



Channel 09 (2452MHz)



8. Occupied Bandwidth

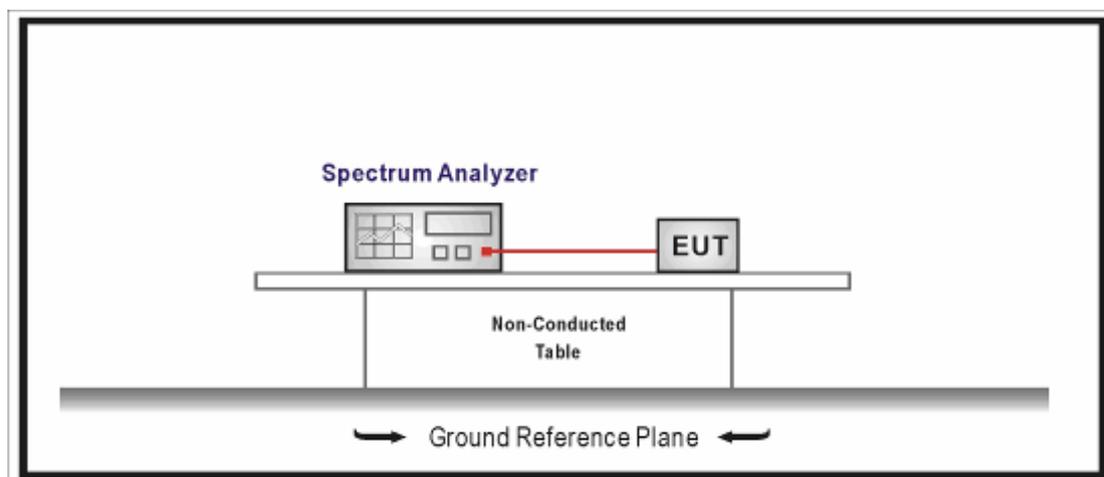
8.1. Test Equipment

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	2014.05.08

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

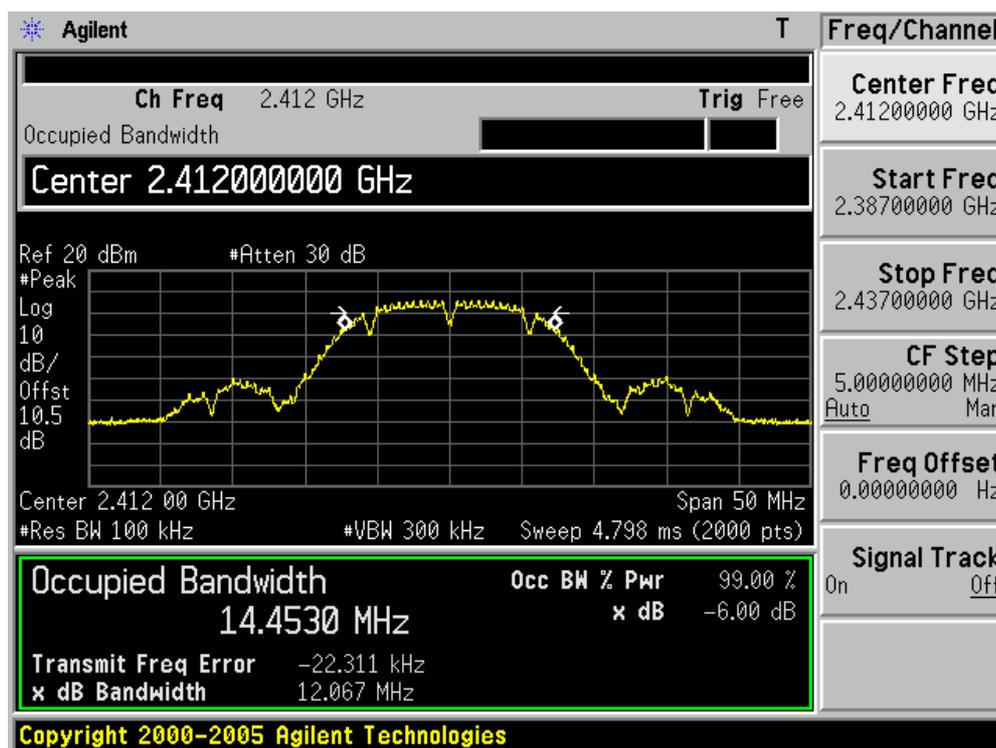
The measurement uncertainty is defined as ± 1 kHz

8.6. Test Result

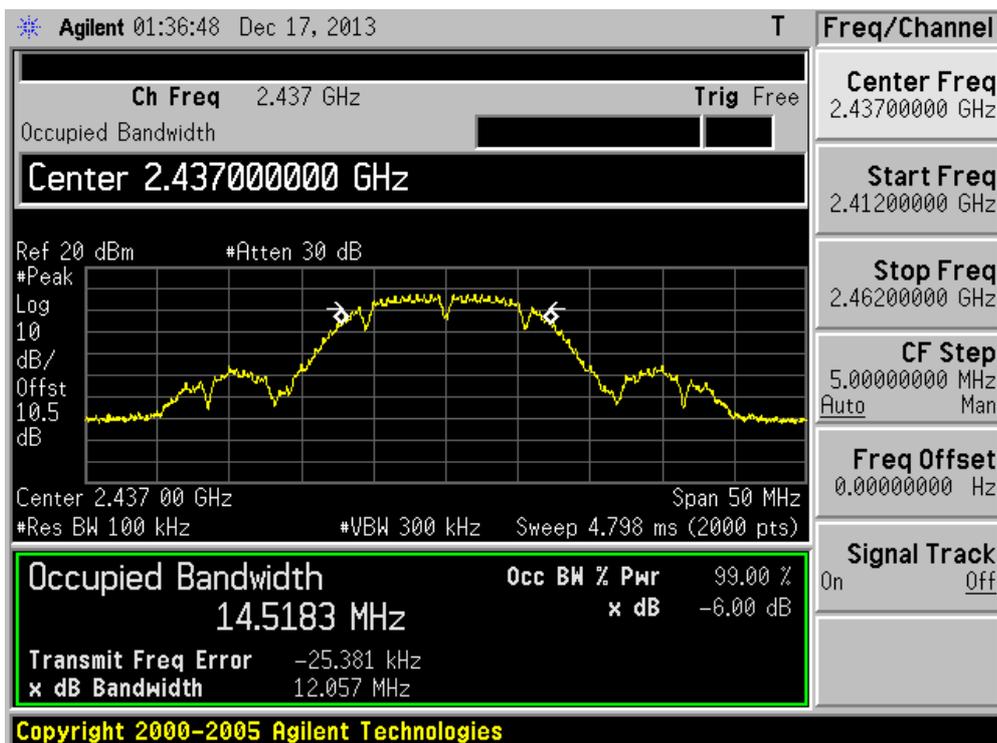
Product	:	GPON Terminal
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Ant 0)

Channel No.	Frequency (MHz)	6dB Occupied Bandwidth (kHz)	Limit (kHz)	Result	99% Bandwidth (kHz)
01	2412	12067.0	500	Pass	14453.0
06	2437	12057.0	500	Pass	14518.3
11	2462	11119.0	500	Pass	14436.9

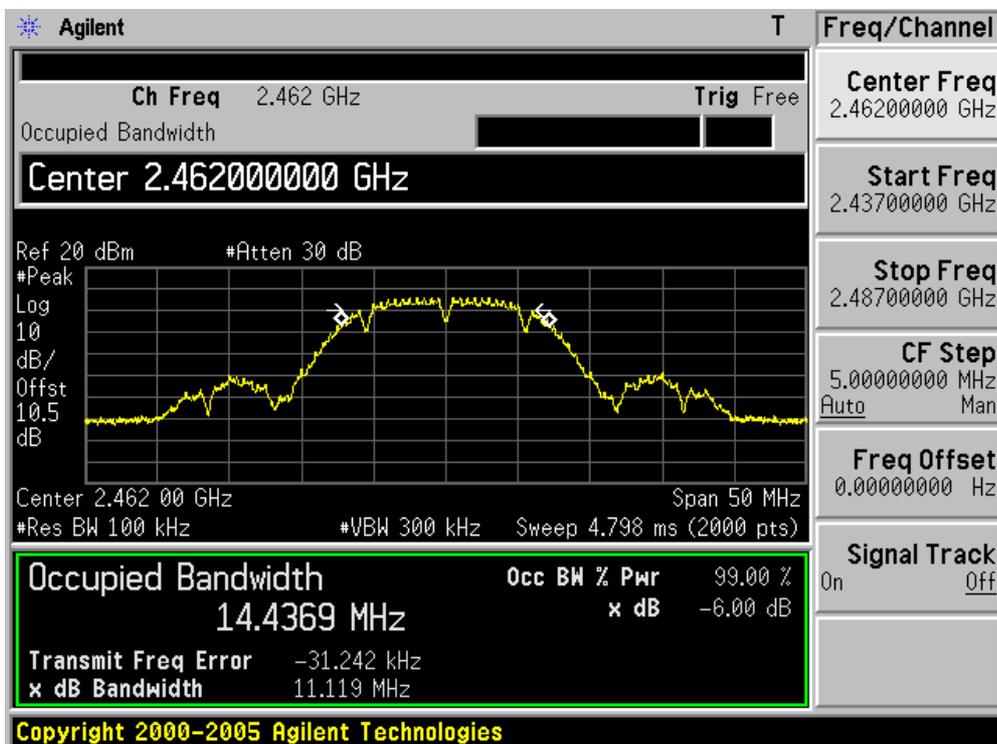
Channel 01 (2412MHz)



Channel 06 (2437MHz)



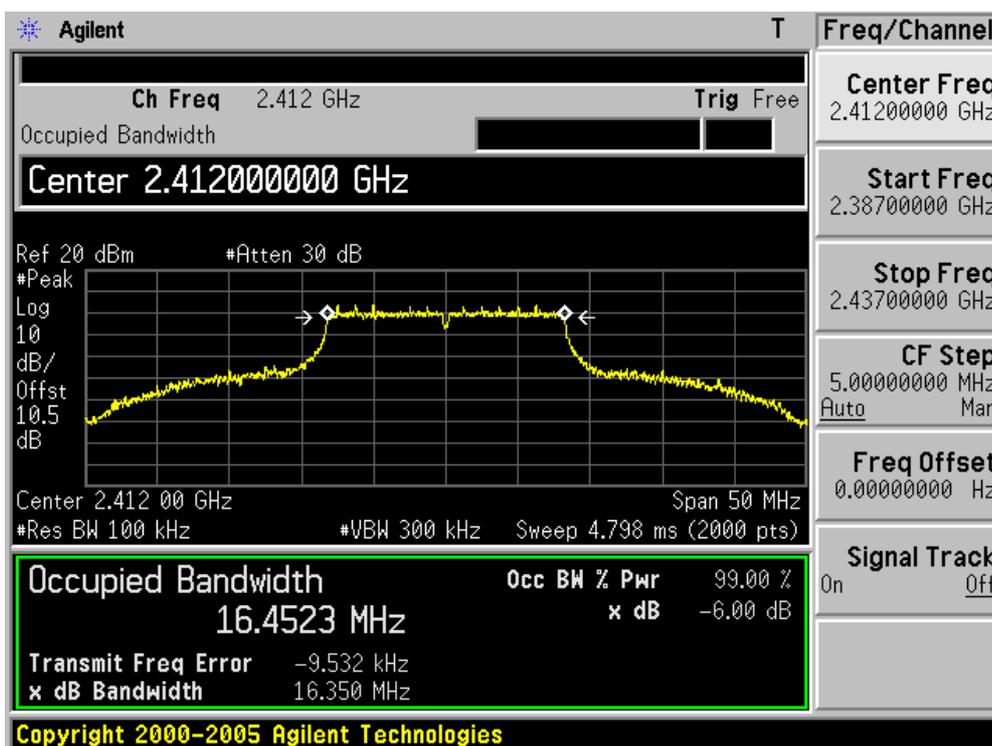
Channel 11 (2462MHz)



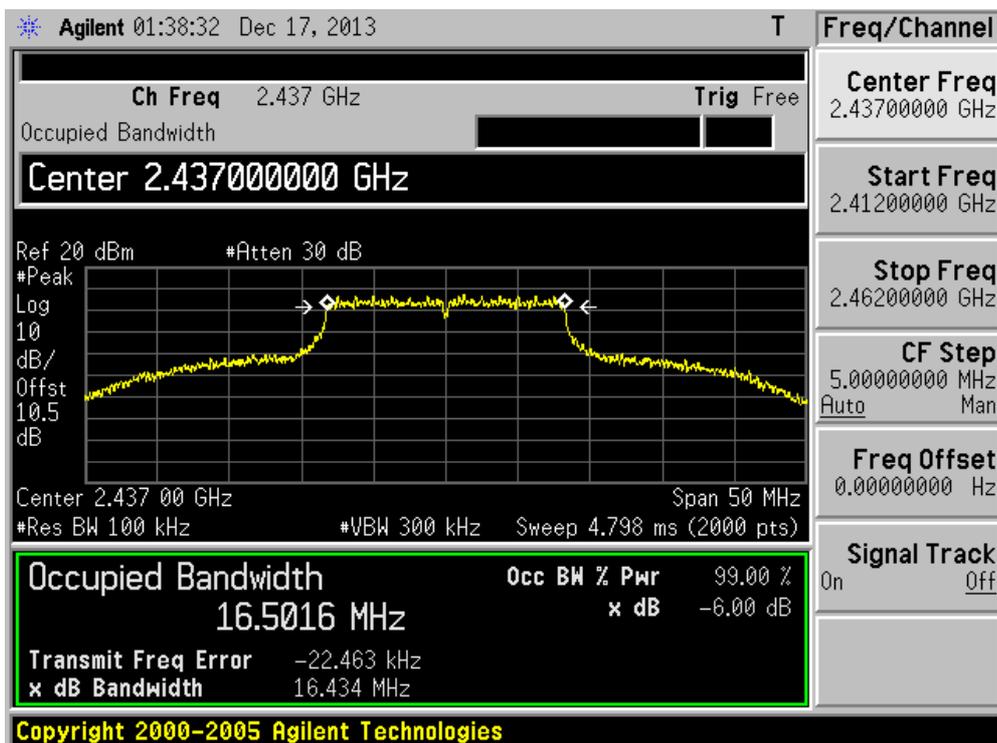
Product	: GPON Terminal
Test Item	: 6dB Occupied Bandwidth
Test Site	: TR-8
Test Mode	: Mode 2: Transmit by 802.11g (Ant 0)

Channel No.	Frequency (MHz)	6dB Occupied Bandwidth (kHz)	Limit (kHz)	Result	99% Bandwidth (kHz)
01	2412	16350.0	500	Pass	16452.3
06	2437	16434.0	500	Pass	16501.6
11	2462	16355.0	500	Pass	16459.0

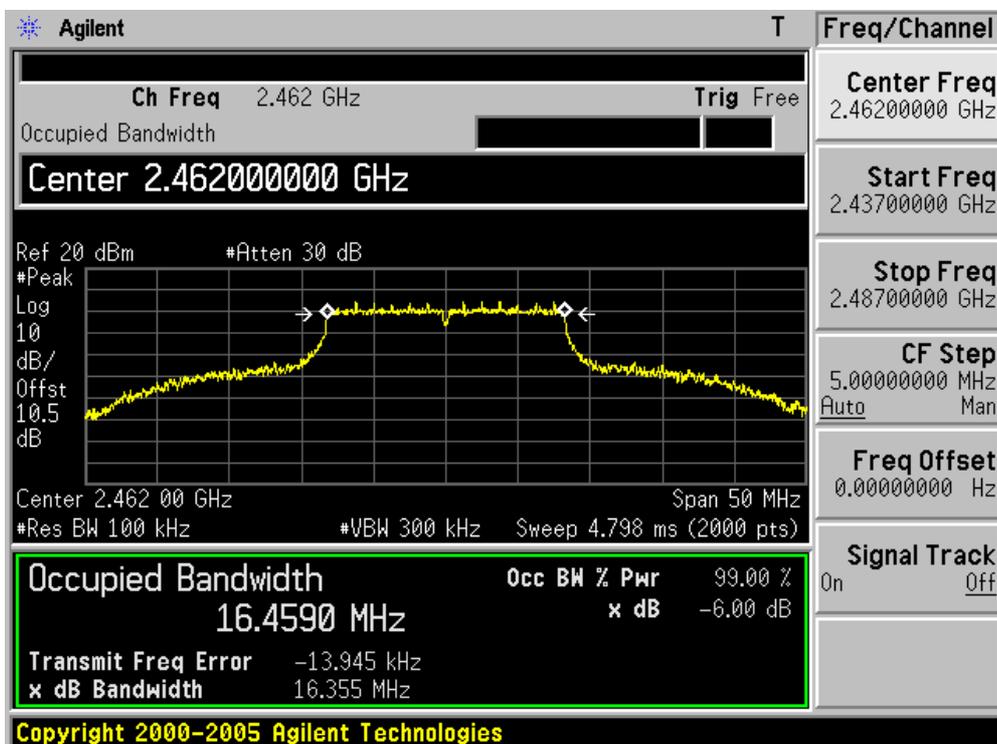
Channel 01 (2412MHz)



Channel 06 (2437MHz)



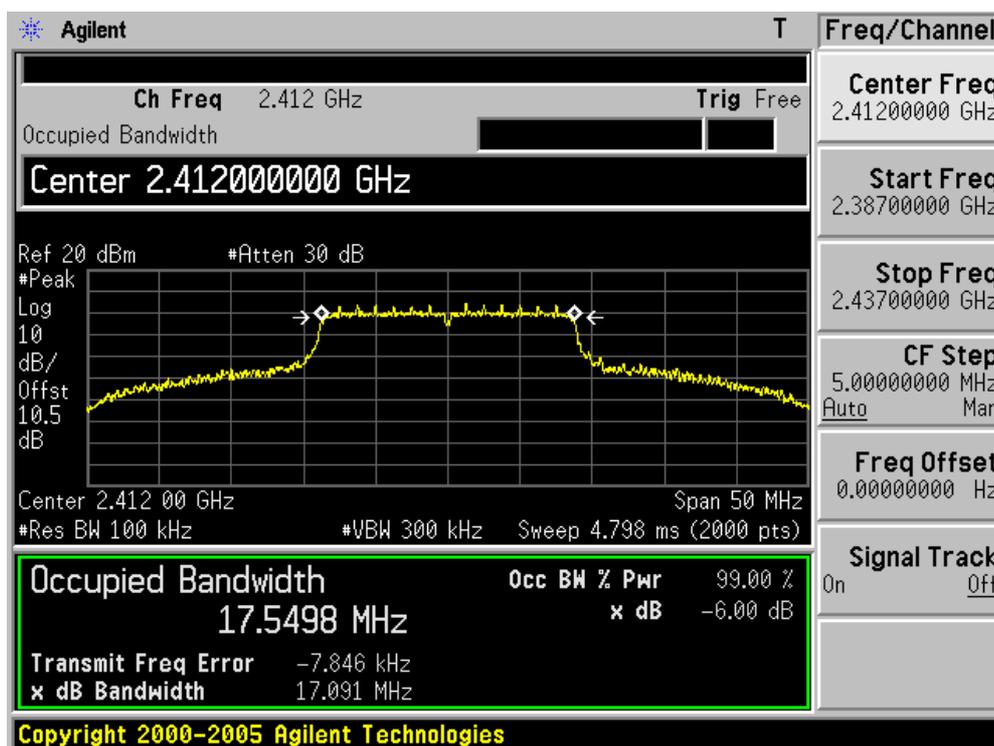
Channel 11 (2462MHz)



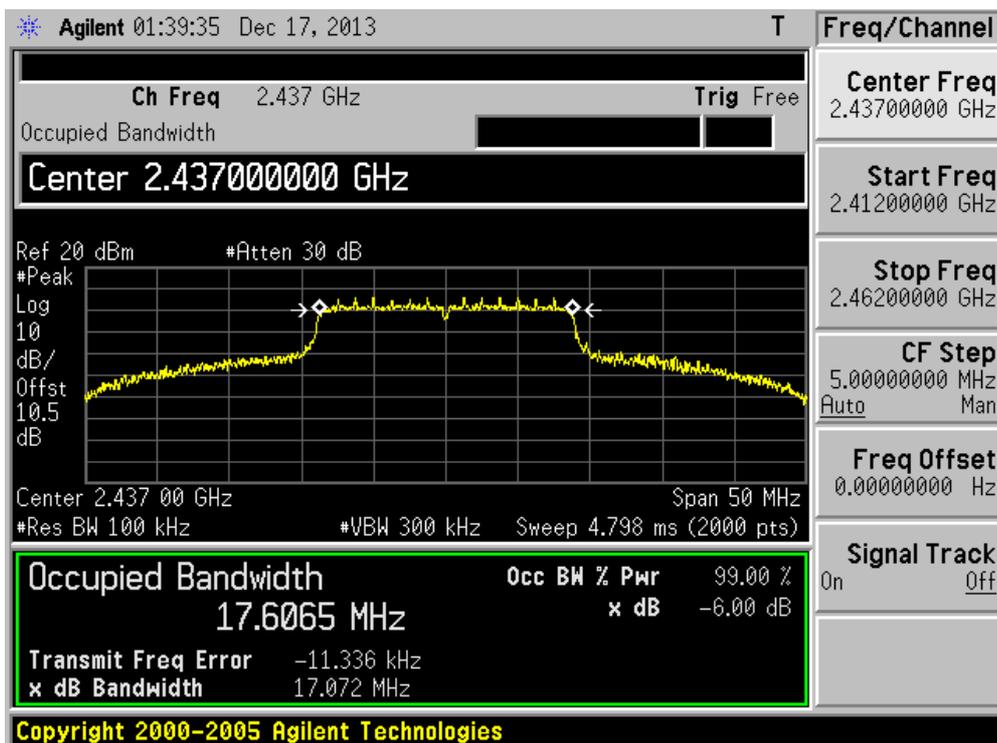
Product	: GPON Terminal
Test Item	: 6dB Occupied Bandwidth
Test Site	: TR-8
Test Mode	: Mode 3: Transmit by 802.11n(20MHz) (Ant 0)

Channel No.	Frequency (MHz)	6dB Occupied Bandwidth (kHz)	Limit (kHz)	Result	99% Bandwidth (kHz)
01	2412	17091.0	500	Pass	17549.8
06	2437	17072.0	500	Pass	17606.5
11	2462	17089.0	500	Pass	17582.9

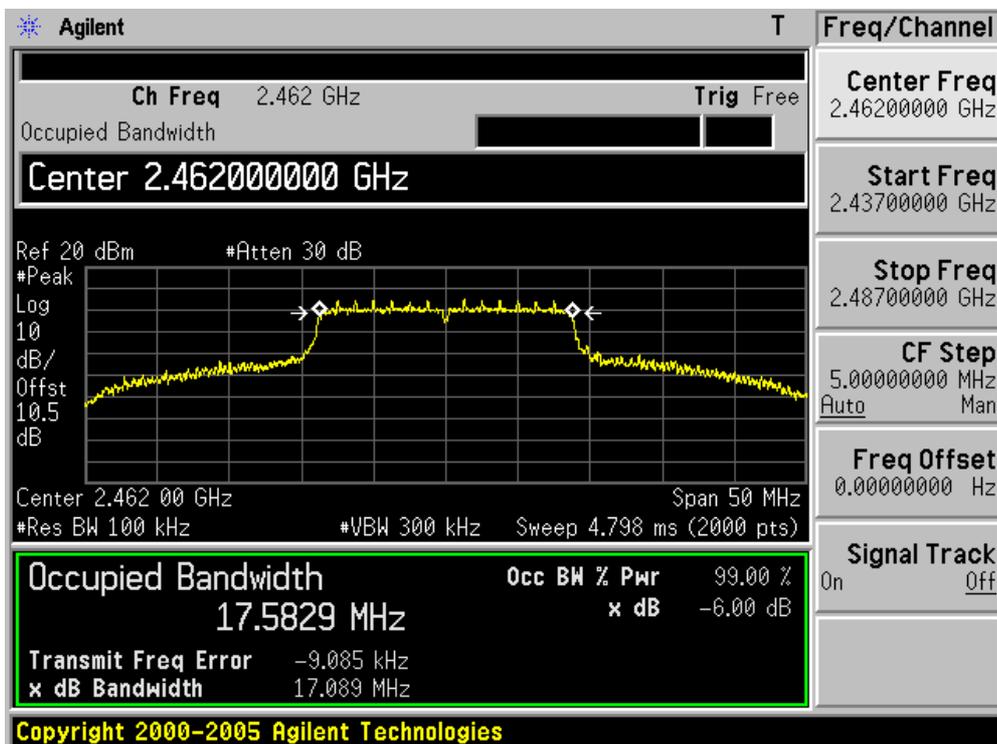
Channel 01 (2412MHz)



Channel 06 (2437MHz)



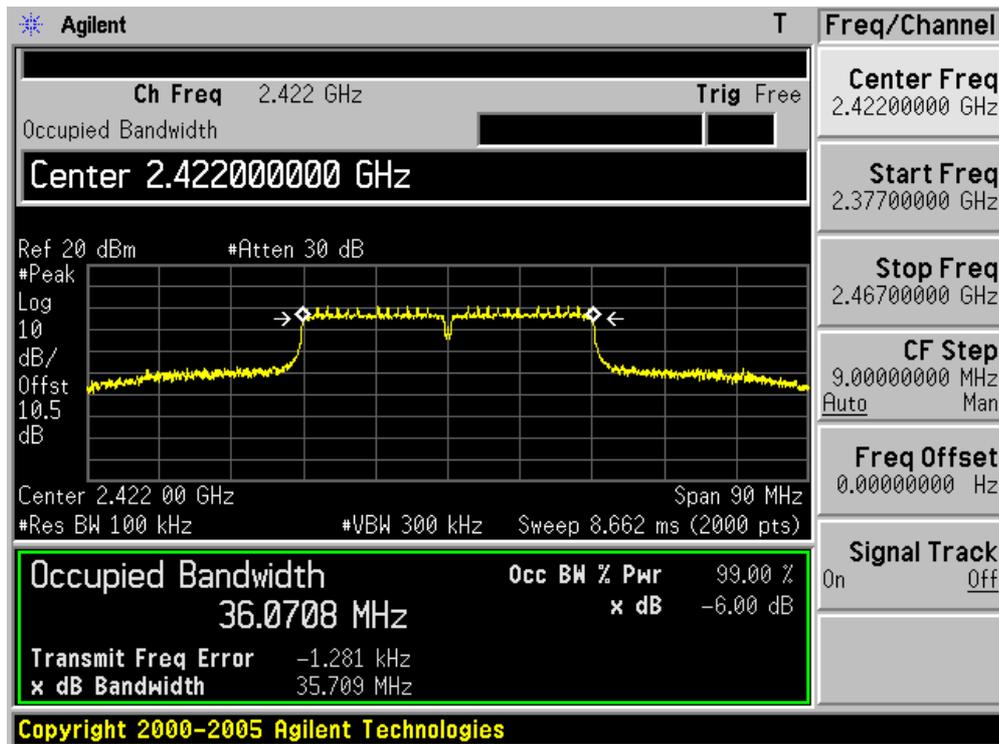
Channel 11 (2462MHz)



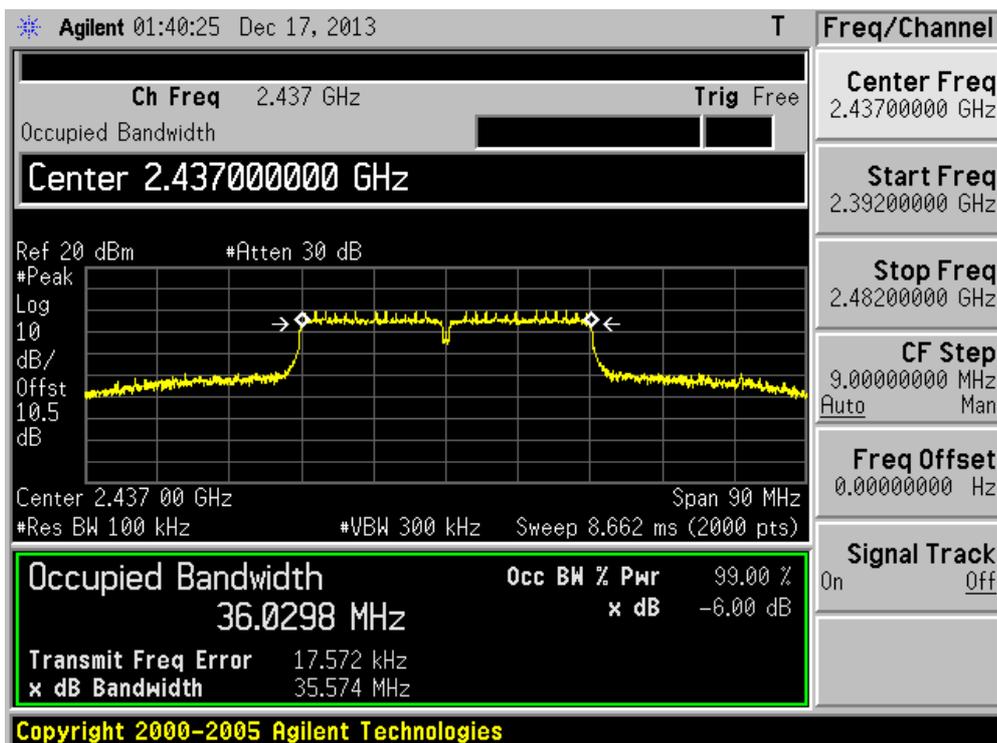
Product	:	GPON Terminal
Test Item	:	6dB Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n(40MHz) (Ant 0)

Channel No.	Frequency (MHz)	6dB Occupied Bandwidth (kHz)	Limit (kHz)	Result	99% Bandwidth (kHz)
03	2422	35709.0	500	Pass	36070.8
06	2437	35574.0	500	Pass	36029.8
09	2452	35762.0	500	Pass	36171.4

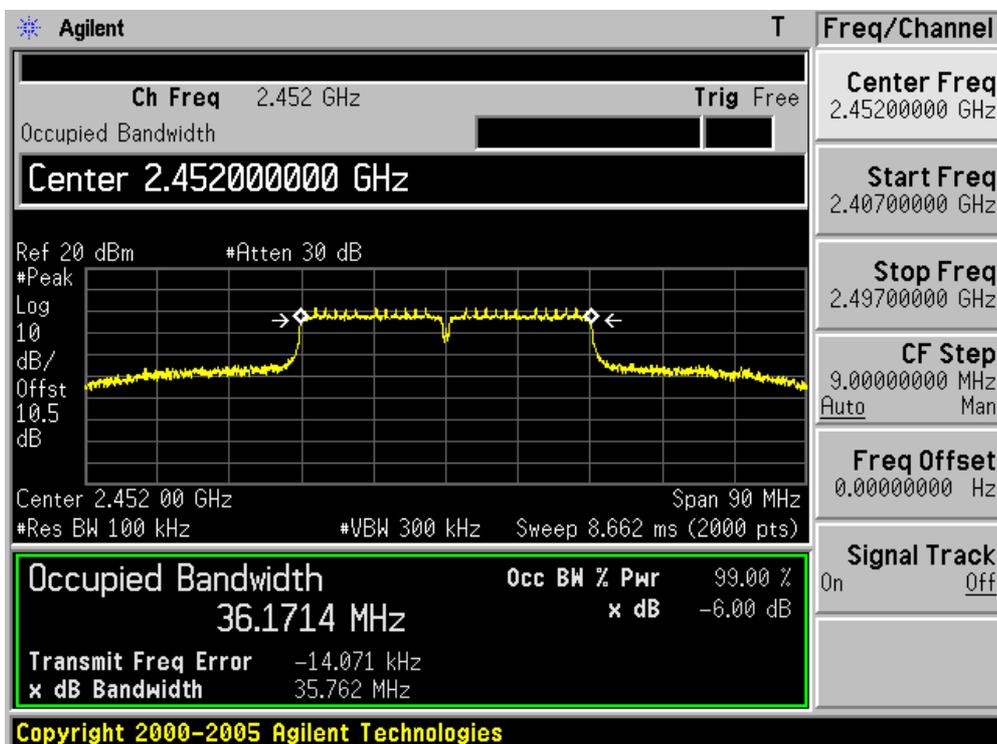
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



Product	: GPON Terminal
Test Item	: 6dB Occupied Bandwidth
Test Site	: TR-8
Test Mode	: Mode 1: Transmit by 802.11b (Ant 1)

Channel No.	Frequency (MHz)	6dB Occupied Bandwidth (kHz)	Limit (kHz)	Result	99% Bandwidth (kHz)
01	2412	12053.0	500	Pass	14392.0
06	2437	11109.0	500	Pass	14353.5
11	2462	11134.0	500	Pass	14371.4

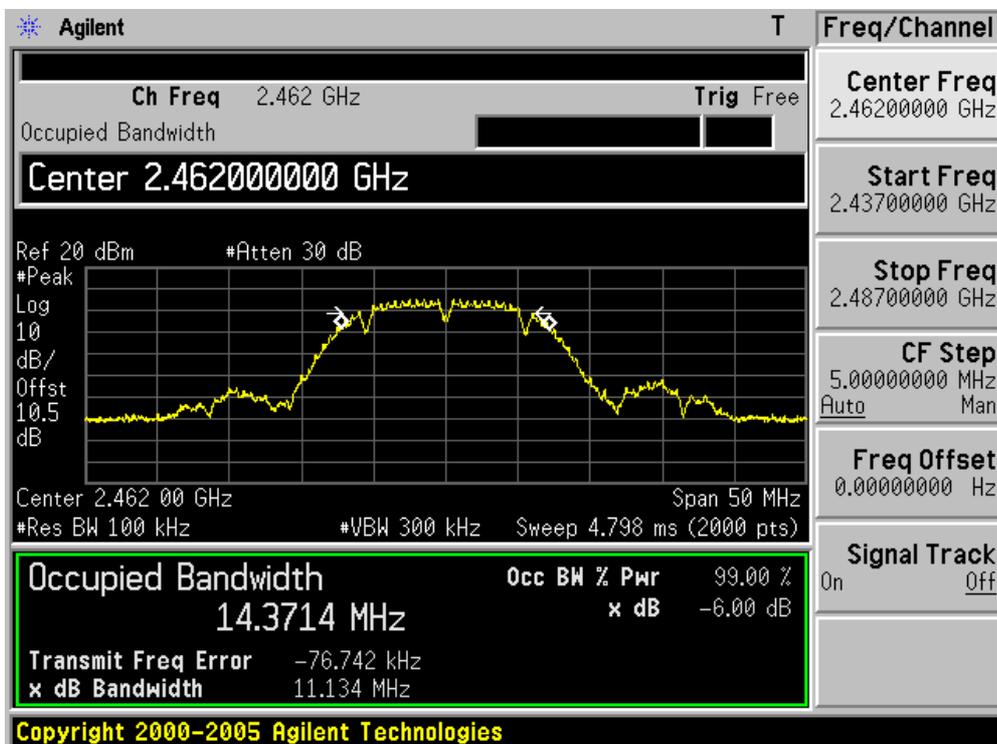
Channel 01 (2412MHz)



Channel 06 (2437MHz)



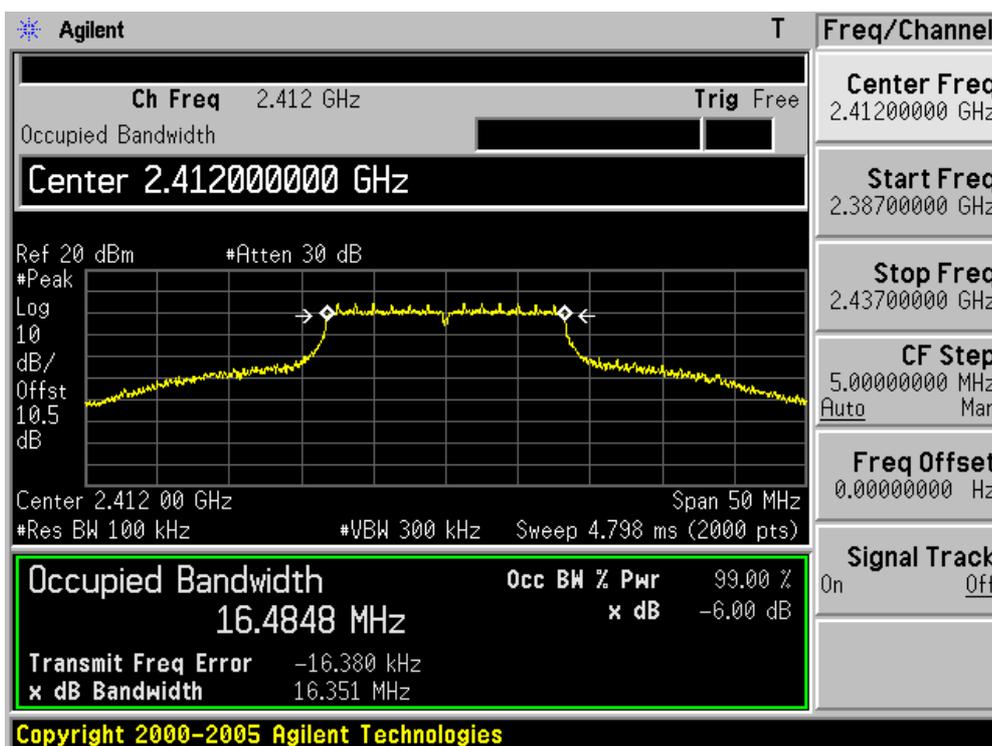
Channel 11 (2462MHz)



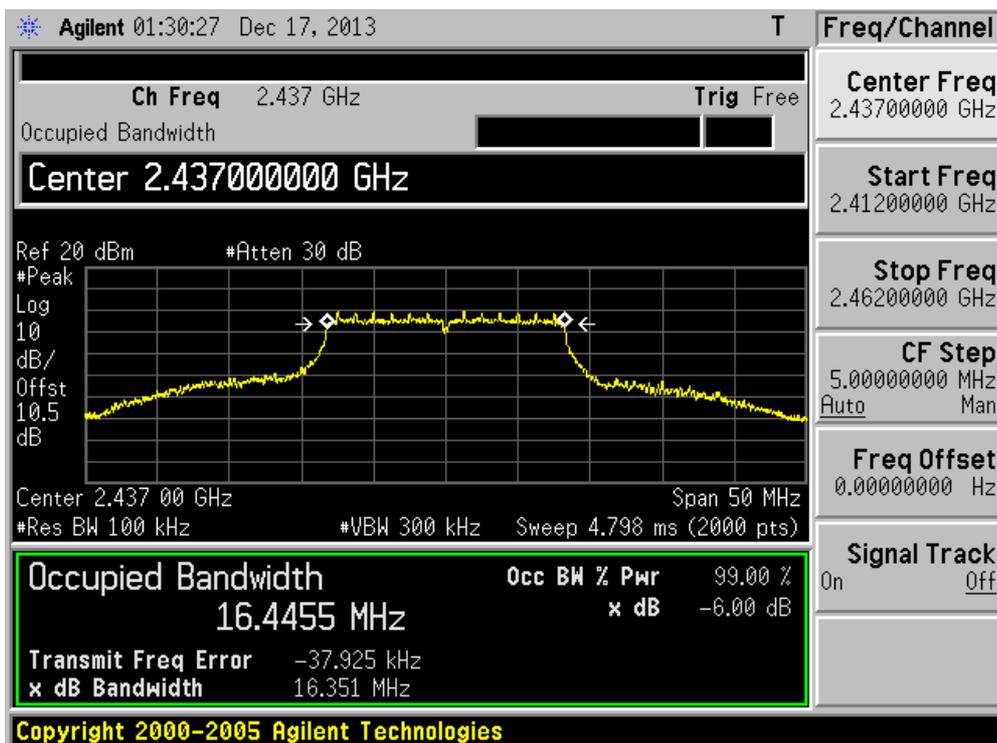
Product	: GPON Terminal
Test Item	: 6dB Occupied Bandwidth
Test Site	: TR-8
Test Mode	: Mode 2: Transmit by 802.11g (Ant 1)

Channel No.	Frequency (MHz)	6dB Occupied Bandwidth (kHz)	Limit (kHz)	Result	99% Bandwidth (kHz)
01	2412	16351.0	500	Pass	16484.8
06	2437	16351.0	500	Pass	16445.5
11	2462	16343.0	500	Pass	16462.4

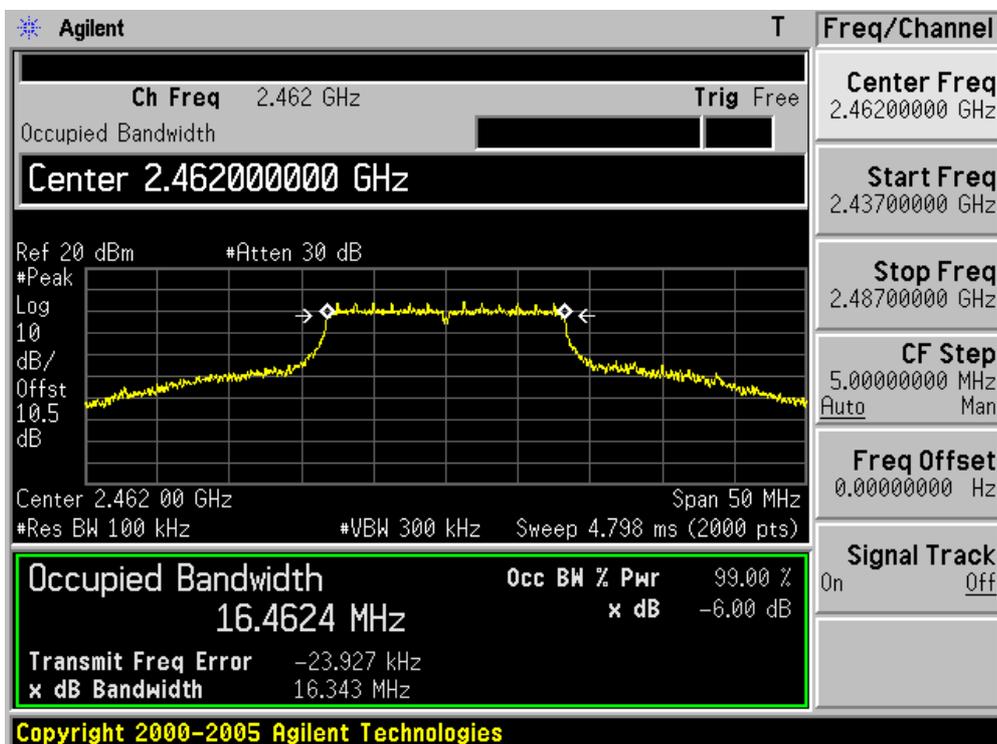
Channel 01 (2412MHz)



Channel 06 (2437MHz)



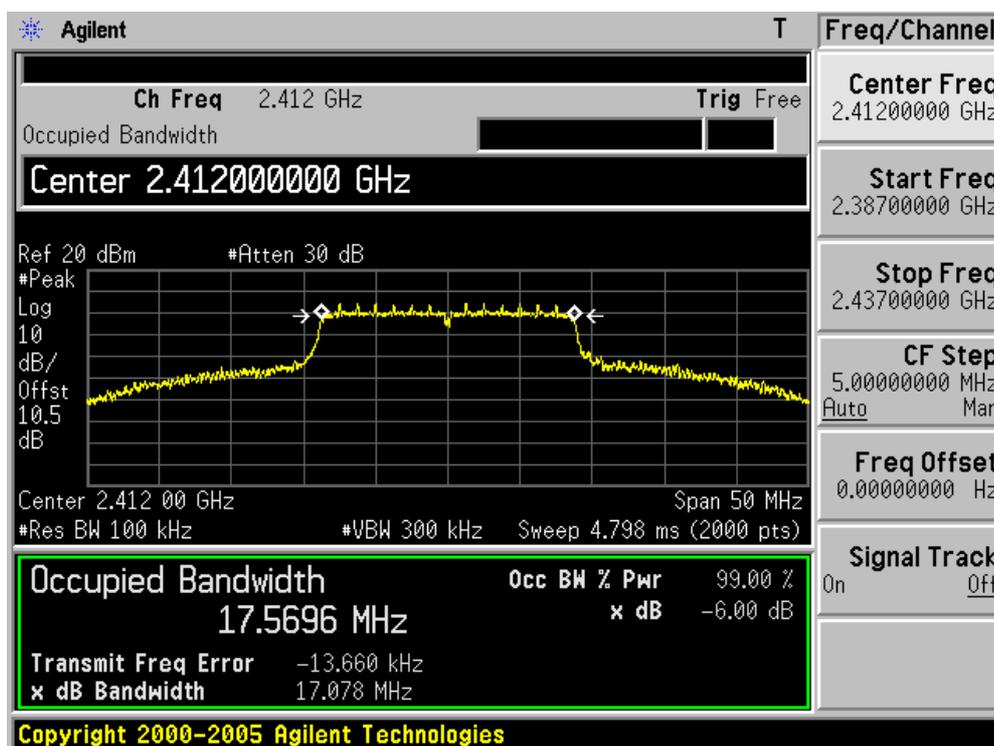
Channel 11 (2462MHz)



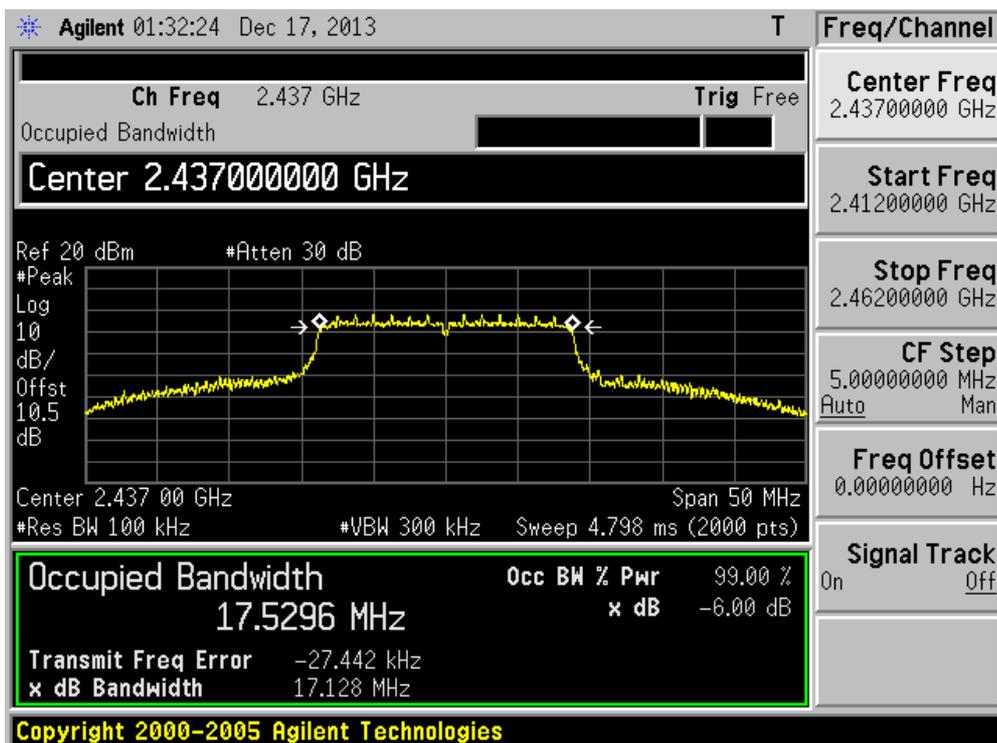
Product	: GPON Terminal
Test Item	: 6dB Occupied Bandwidth
Test Site	: TR-8
Test Mode	: Mode 3: Transmit by 802.11n(20MHz) (Ant 1)

Channel No.	Frequency (MHz)	6dB Occupied Bandwidth (kHz)	Limit (kHz)	Result	99% Bandwidth (kHz)
01	2412	17078.0	500	Pass	17569.6
06	2437	17128.0	500	Pass	17529.6
11	2462	17102.0	500	Pass	17559.3

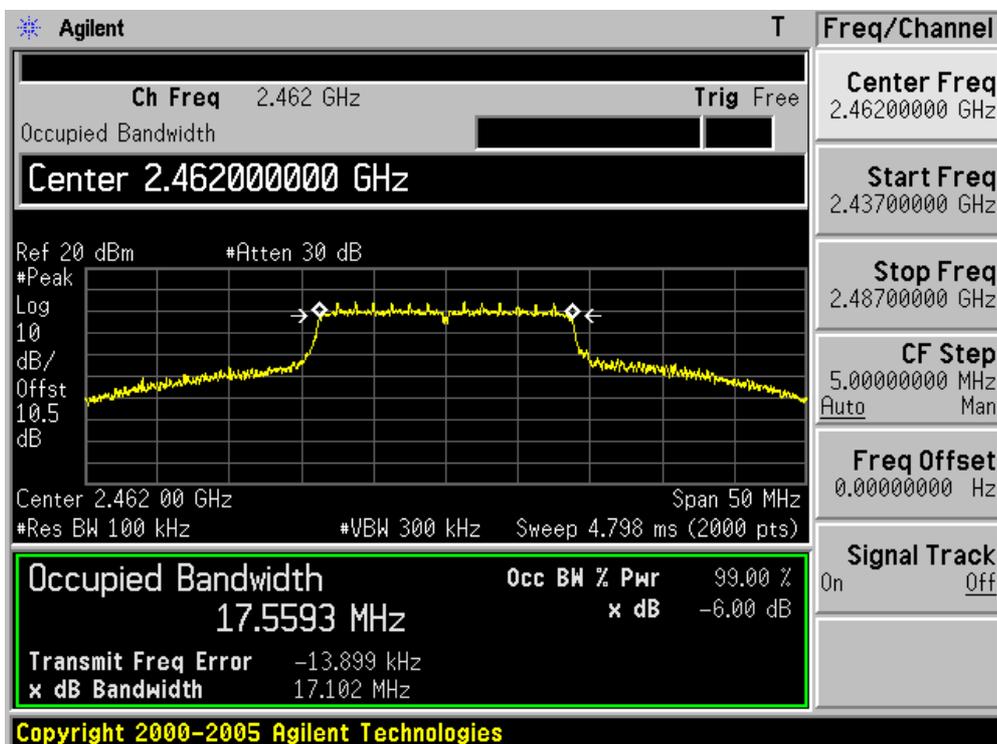
Channel 01 (2412MHz)



Channel 06 (2437MHz)



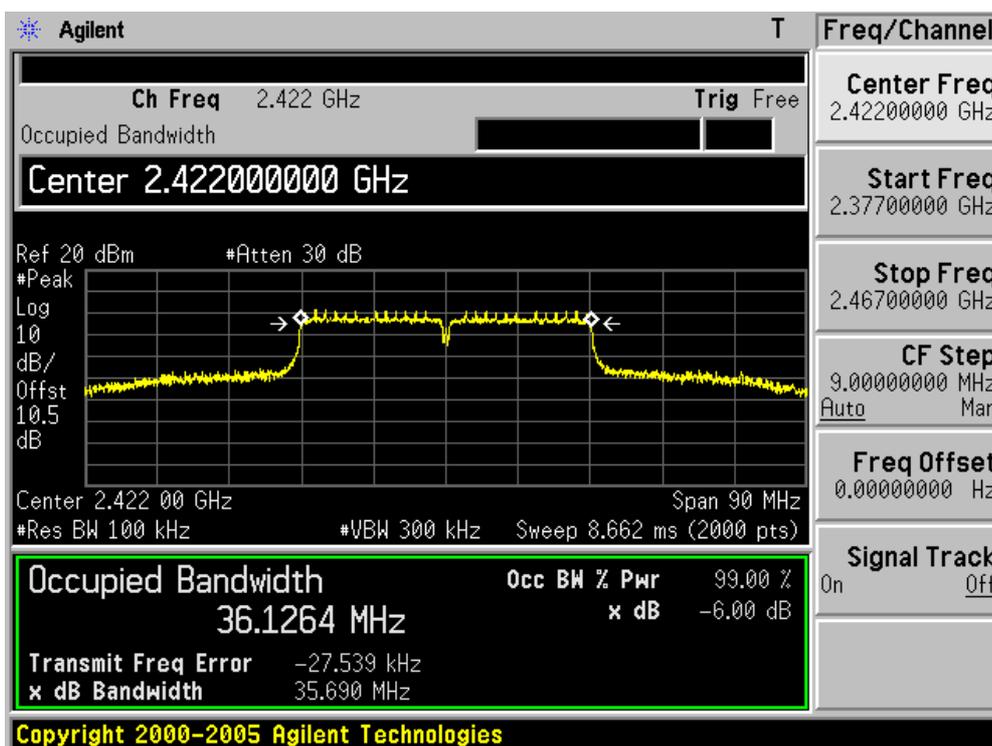
Channel 11 (2462MHz)



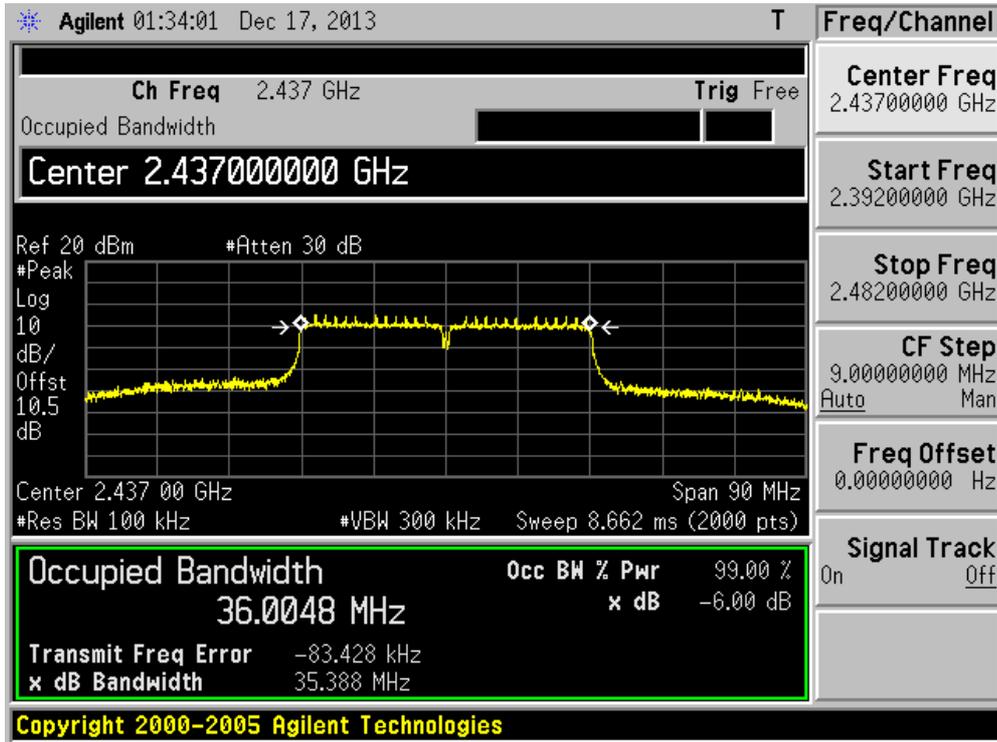
Product	: GPON Terminal
Test Item	: 6dB Occupied Bandwidth
Test Site	: TR-8
Test Mode	: Mode 4: Transmit by 802.11n(40MHz) (Ant 1)

Channel No.	Frequency (MHz)	6dB Occupied Bandwidth (kHz)	Limit (kHz)	Result	99% Bandwidth (kHz)
03	2422	35690.0	500	Pass	36126.4
06	2437	35388.0	500	Pass	36004.8
09	2452	35370.0	500	Pass	36134.0

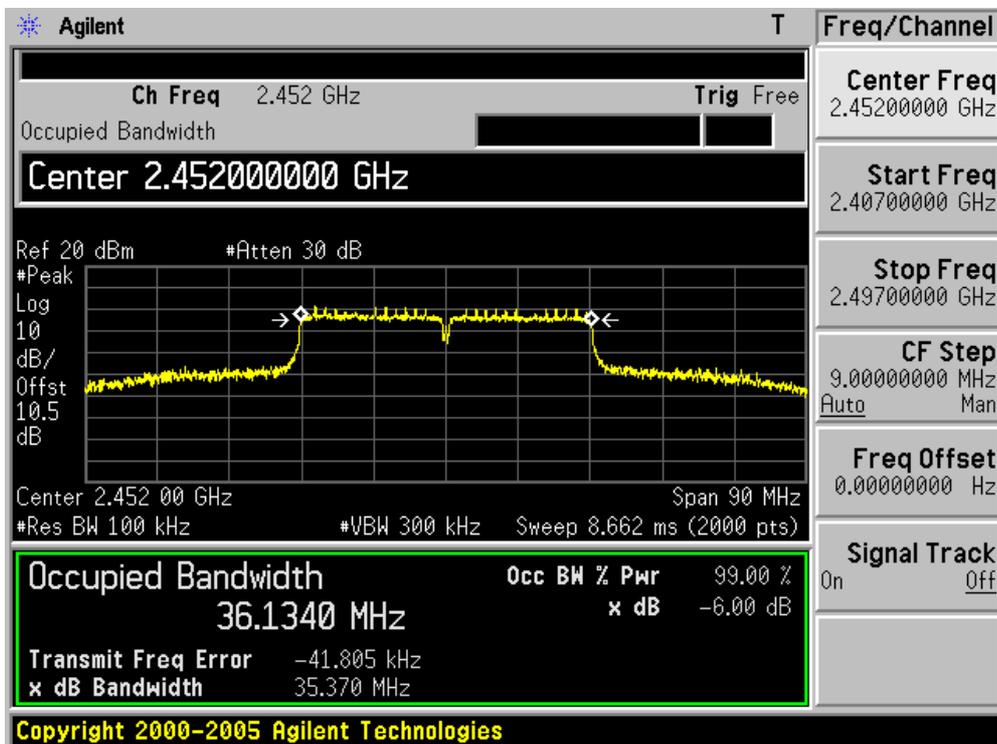
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



9. Power Output

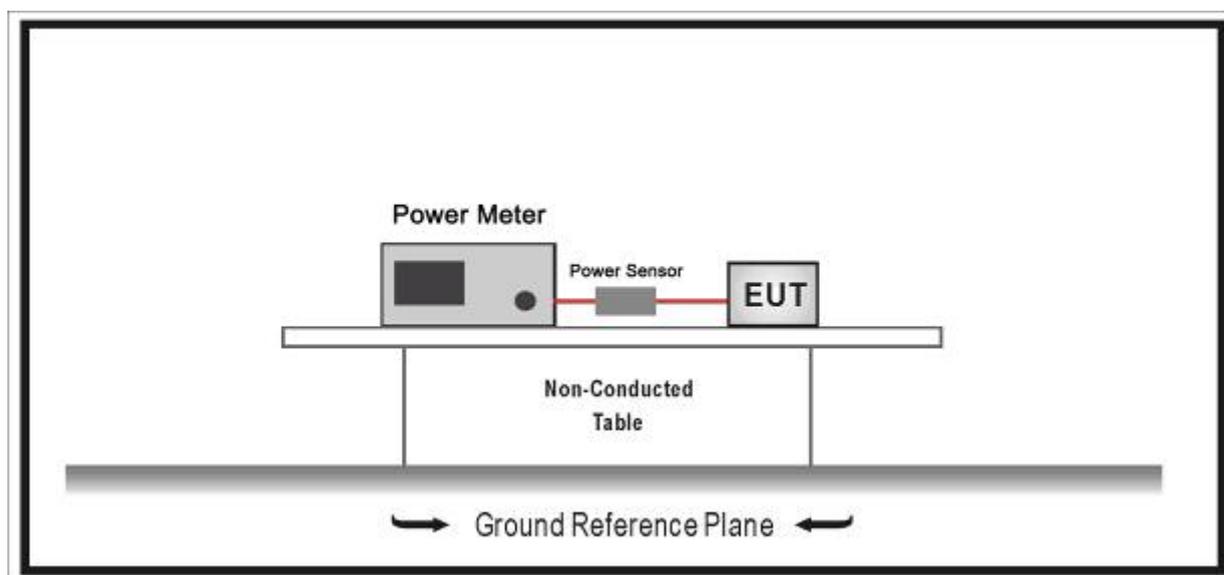
9.1. Test Equipment

Power Output / TR-8

Instrument	Manufacturer	Type No.	Serial No.	Cali. Due Date
Wideband Peak Power Meter	Anritsu	ML2495A	0905006	2014.11.01
Power Sensor	Anritsu	MA2411B	0846014	2014.11.01
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2014.05.08

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, 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	Average Power (dBm)	Peak Power (dBm)
802.11b	20	2437	6	1M	23.04	25.01
				5.5M	23.02	24.91
				11M	22.94	24.98
802.11g	20	2437	6	6M	22.63	28.09
				24M	22.51	27.98
				54M	19.02	27.61
802.11n(20MHz)	20	2437	6	MCS0	22.57	28.24
				MCS3	21.71	27.94
				MCS7	18.21	26.82
802.11n(40MHz)	40	2437	6	MCS0	22.13	27.85
				MCS3	21.23	27.63
				MCS7	17.74	26.52

Product	: GPON Terminal
Test Item	: Power Output
Test Site	: TR8
Test Mode	: Mode 1: Transmit by 802.11b (Ant 0)

Channel No.	Frequency (MHz)	Average Power Output Value (dBm)	Peak Power Output Value (dBm)	Limit (dBm)	Result
		Data Rate(1M)	Data Rate(1M)		
1	2412	17.01	19.17	30	Pass
6	2437	17.57	19.69	30	Pass
11	2462	20.83	22.77	30	Pass

Product	: GPON Terminal
Test Item	: Power Output
Test Site	: TR8
Test Mode	: Mode 1: Transmit by 802.11b (Ant 1)

Channel No.	Frequency (MHz)	Average Power Output Value (dBm)	Peak Power Output Value (dBm)	Limit (dBm)	Result
		Data Rate(1M)	Data Rate(1M)		
1	2412	18.22	20.16	30	Pass
6	2437	21.54	26.75	30	Pass
11	2462	20.38	22.57	30	Pass

Product	: GPON Terminal
Test Item	: Power Output
Test Site	: TR8
Test Mode	: Mode 2: Transmit by 802.11g (Ant 0)

Channel No.	Frequency (MHz)	Average Power Output Value (dBm)	Peak Power Output Value (dBm)	Limit (dBm)	Result
		Data Rate(6M)	Data Rate(6M)		
1	2412	13.34	20.76	30	Pass
6	2437	17.87	26.34	30	Pass
11	2462	13.27	20.64	30	Pass

Product	: GPON Terminal
Test Item	: Power Output
Test Site	: TR8
Test Mode	: Mode 2: Transmit by 802.11g (Ant 1)

Channel No.	Frequency (MHz)	Average Power Output Value (dBm)	Peak Power Output Value (dBm)	Limit (dBm)	Result
		Data Rate(6M)	Data Rate(6M)		
1	2412	10.95	19.04	30	Pass
6	2437	14.77	22.83	30	Pass
11	2462	12.32	19.71	30	Pass

Product	: GPON Terminal
Test Item	: Power Output
Test Site	: TR8
Test Mode	: Mode 3: Transmit by 802.11n(20MHz) (Ant 0)

Channel No.	Frequency (MHz)	Average Power Output Value (dBm)	Peak Power Output Value (dBm)	Limit (dBm)	Result
		Data Rate(MCS0)	Data Rate(MCS0)		
1	2412	12.03	19.53	30	Pass
6	2437	16.95	24.61	30	Pass
11	2462	13.04	21.73	30	Pass

Product	: GPON Terminal
Test Item	: Power Output
Test Site	: TR8
Test Mode	: Mode 3: Transmit by 802.11n(20MHz) (Ant 1)

Channel No.	Frequency (MHz)	Average Power Output Value (dBm)	Peak Power Output Value (dBm)	Limit (dBm)	Result
		Data Rate(MCS0)	Data Rate(MCS0)		
1	2412	11.31	19.14	30	Pass
6	2437	14.23	22.46	30	Pass
11	2462	11.97	20.04	30	Pass

Product	: GPON Terminal
Test Item	: Power Output
Test Site	: TR8
Test Mode	: Mode 3: Transmit by 802.11n(20MHz) (Ant 0+1)

Channel No.	Frequency (MHz)	Average Power Output Value (dBm)			Peak Power Output Value (dBm)			Limit (dBm)	Result
		Data Rate(MCS8)			Data Rate(MCS8)				
		Ant 0	Ant 1	Total Average Power (dBm)	Ant 0	Ant 1	Total Peak Power (dBm)		
1	2412	10.05	10.84	13.47	17.64	18.92	21.34	30	Pass
6	2437	12.12	10.72	14.49	19.71	18.31	22.08	30	Pass
11	2462	12.11	11.03	14.61	19.43	18.73	22.10	30	Pass

Product	: GPON Terminal
Test Item	: Power Output
Test Site	: TR8
Test Mode	: Mode 4: Transmit by 802.11n(40MHz) (Ant 0)

Channel No.	Frequency (MHz)	Average Power Output Value (dBm)	Peak Power Output Value (dBm)	Limit (dBm)	Result
		Data Rate(MCS0)	Data Rate(MCS0)		
3	2422	11.14	19.74	30	Pass
6	2437	13.22	21.18	30	Pass
9	2452	11.34	19.83	30	Pass

Product	: GPON Terminal
Test Item	: Power Output
Test Site	: TR8
Test Mode	: Mode 4: Transmit by 802.11n(40MHz) (Ant 1)

Channel No.	Frequency (MHz)	Average Power Output Value (dBm)	Peak Power Output Value (dBm)	Limit (dBm)	Result
		Data Rate(MCS0)	Data Rate(MCS0)		
3	2422	11.12	19.55	30	Pass
6	2437	13.45	21.57	30	Pass
9	2452	12.31	21.06	30	Pass

Product	: GPON Terminal
Test Item	: Power Output
Test Site	: TR8
Test Mode	: Mode 4: Transmit by 802.11n(40MHz) (Ant 0+1)

Channel No.	Frequency (MHz)	Average Power Output Value (dBm)			Peak Power Output Value (dBm)			Limit (dBm)	Result
		Data Rate(MCS8)			Data Rate(MCS8)				
		Ant 0	Ant 1	Total Average Power (dBm)	Ant 0	Ant 1	Total Peak Power (dBm)		
3	2422	9.36	7.84	11.68	17.64	16.13	19.96	30	Pass
6	2437	13.58	12.36	16.02	21.08	20.46	23.79	30	Pass
9	2452	8.57	7.44	11.05	17.43	16.24	19.89	30	Pass

10. Power Spectral Density

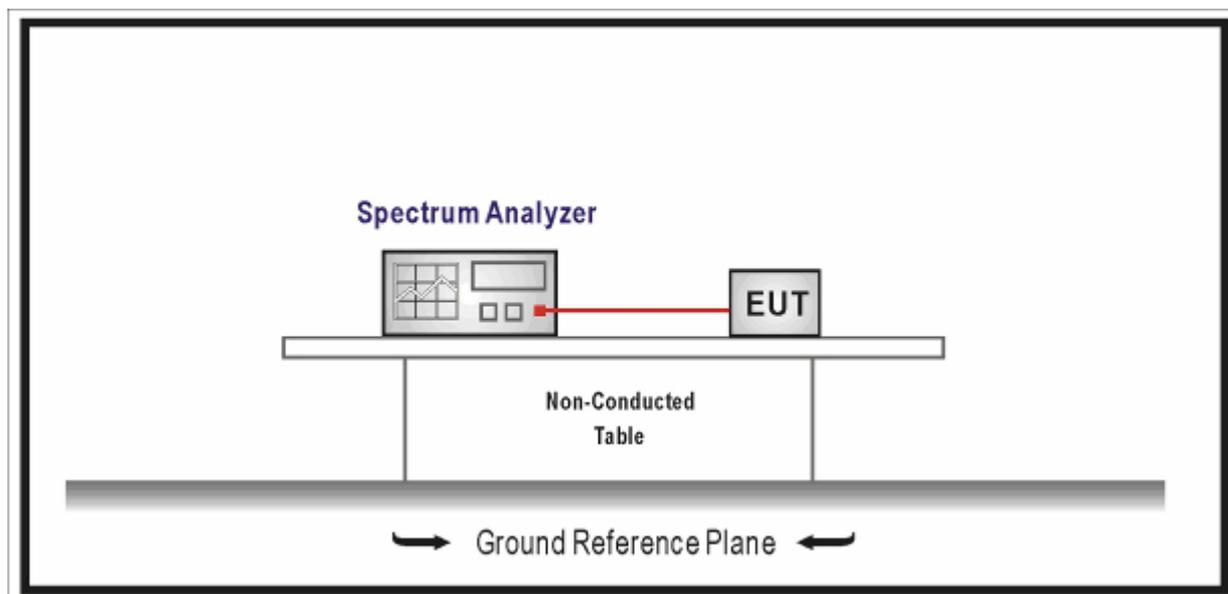
10.1. Test Equipment

Power Spectral Density / TR-8

Instrument	Manufacturer	Type No.	Serial No.	Cali. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2014.03.30
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2014.05.08

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 $100 \text{ kHz} \geq \text{RBW} \geq 3 \text{ kHz}$, Set $\text{VBW} \geq 3 * \text{RBW}$, 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 $\pm 1.27 \text{ dB}$

10.6. Test Result

Product	:	GPON Terminal
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11b (Ant 0)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
01	2412	-9.84	N/A	-9.84	8	Pass
06	2437	-5.75	N/A	-5.75	8	Pass
11	2462	-9.68	N/A	-9.68	8	Pass

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



Product	:	GPON Terminal
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 0	Ant 1			
01	2412	N/A	-9.49	-9.49	8	Pass
06	2437	N/A	-3.70	-3.70	8	Pass
11	2462	N/A	-9.20	-9.20	8	Pass

Channel 01 (2412MHz)



Channel 06 (2437MHz)



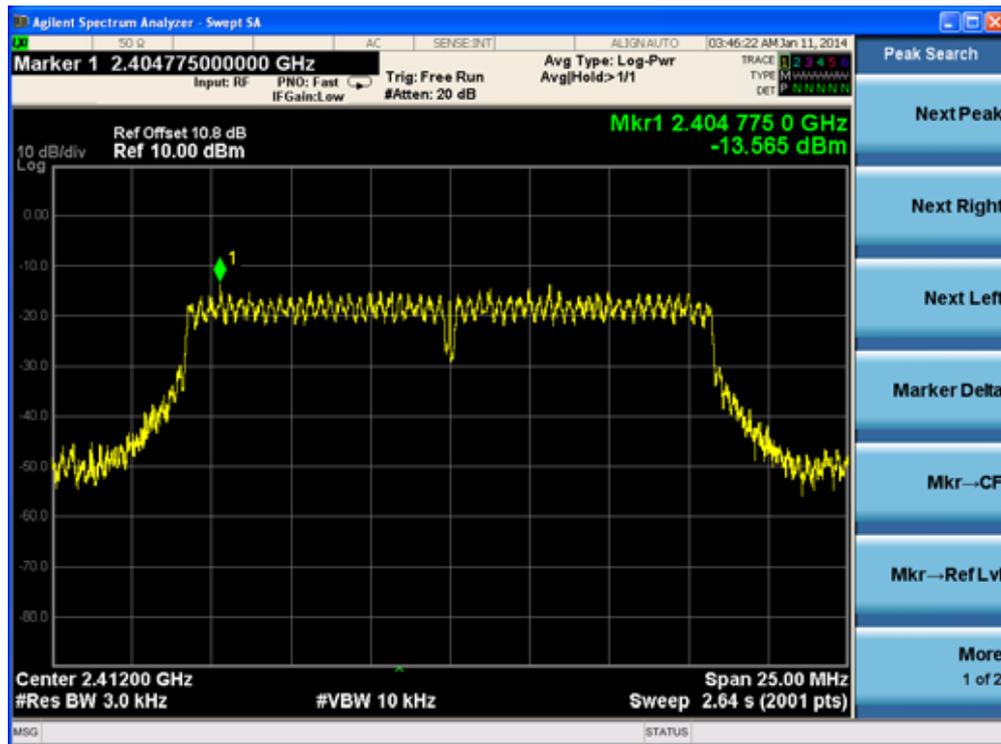
Channel 11 (2462MHz)



Product	:	GPON Terminal
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Ant 0)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
01	2412	-13.57	N/A	-13.57	8	Pass
06	2437	-6.83	N/A	-6.83	8	Pass
11	2462	-13.47	N/A	-13.47	8	Pass

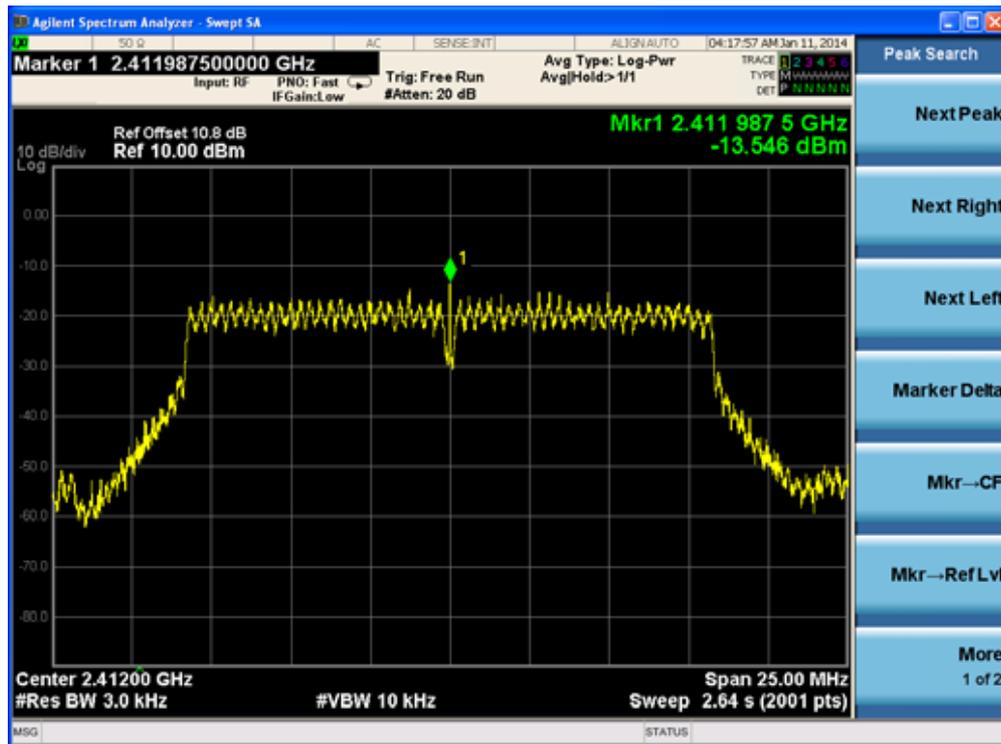
Channel 01 (2412MHz)



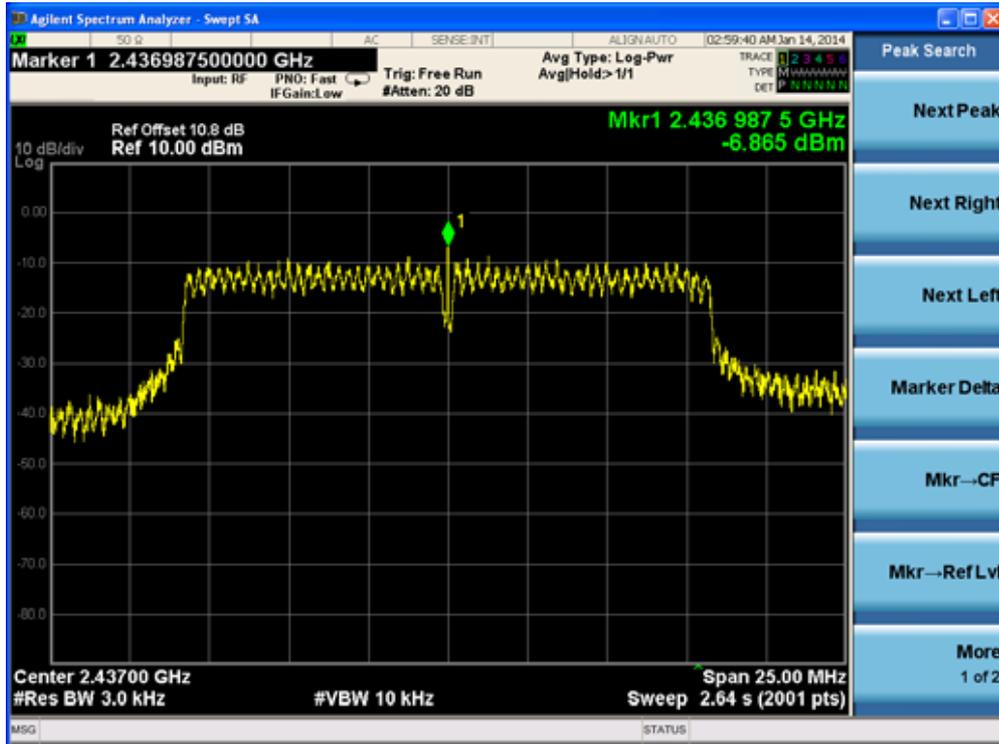
Product	:	GPON Terminal
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11g (Ant 1)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
01	2412	N/A	-13.55	-13.55	8	Pass
06	2437	N/A	-6.87	-6.87	8	Pass
11	2462	N/A	-13.03	-13.03	8	Pass

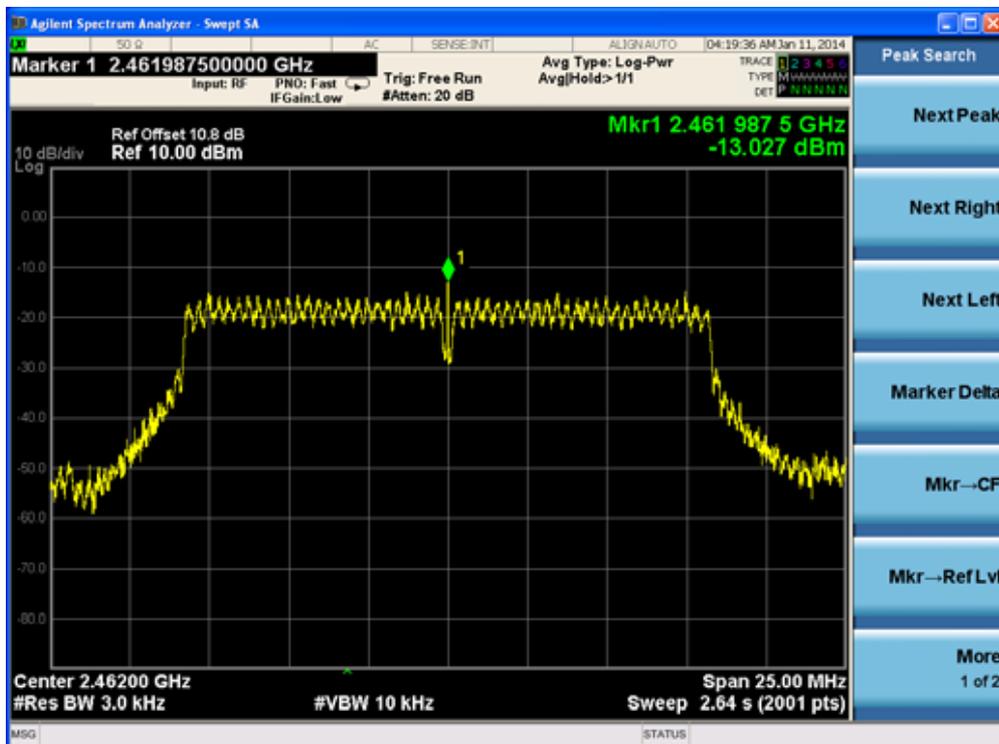
Channel 01 (2412MHz)



Channel 06 (2437MHz)



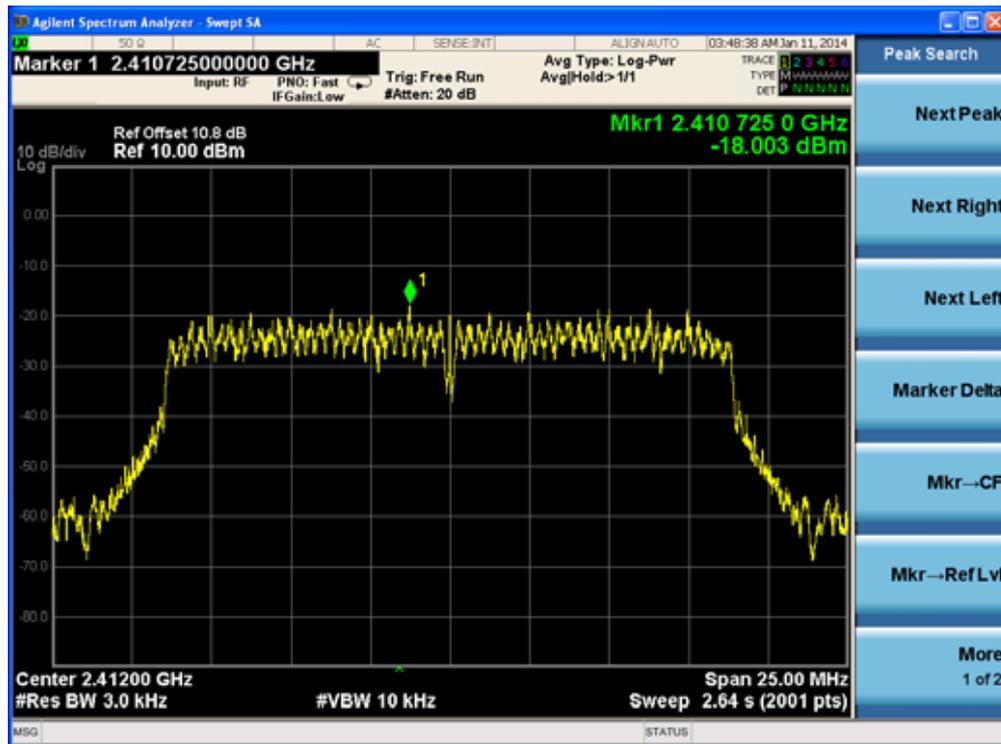
Channel 11 (2462MHz)



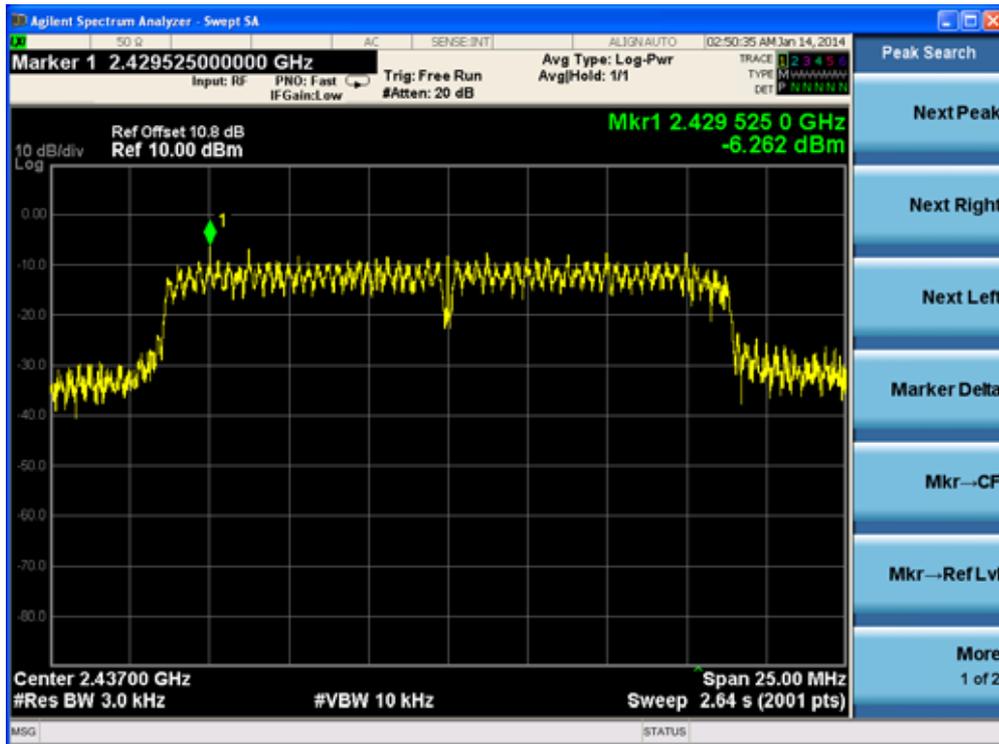
Product	:	GPON Terminal
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n(20MHz) (Ant 0)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
01	2412	-18.00	N/A	-18.00	8	Pass
06	2437	-6.26	N/A	-6.26	8	Pass
11	2462	-13.14	N/A	-13.14	8	Pass

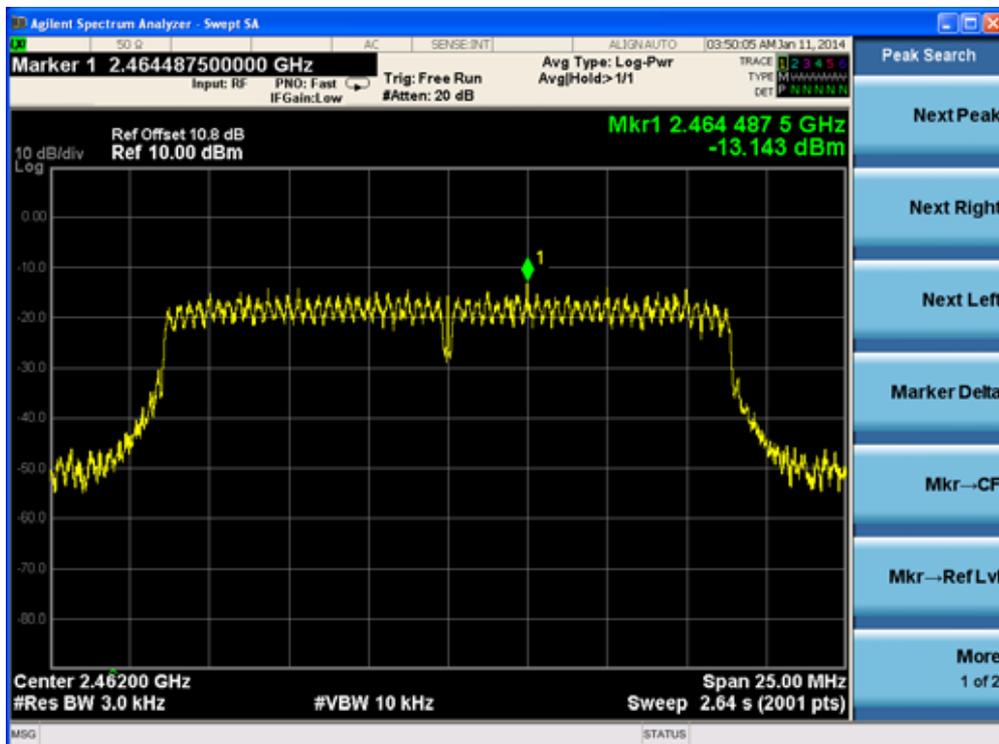
Channel 01 (2412MHz)



Channel 06 (2437MHz)



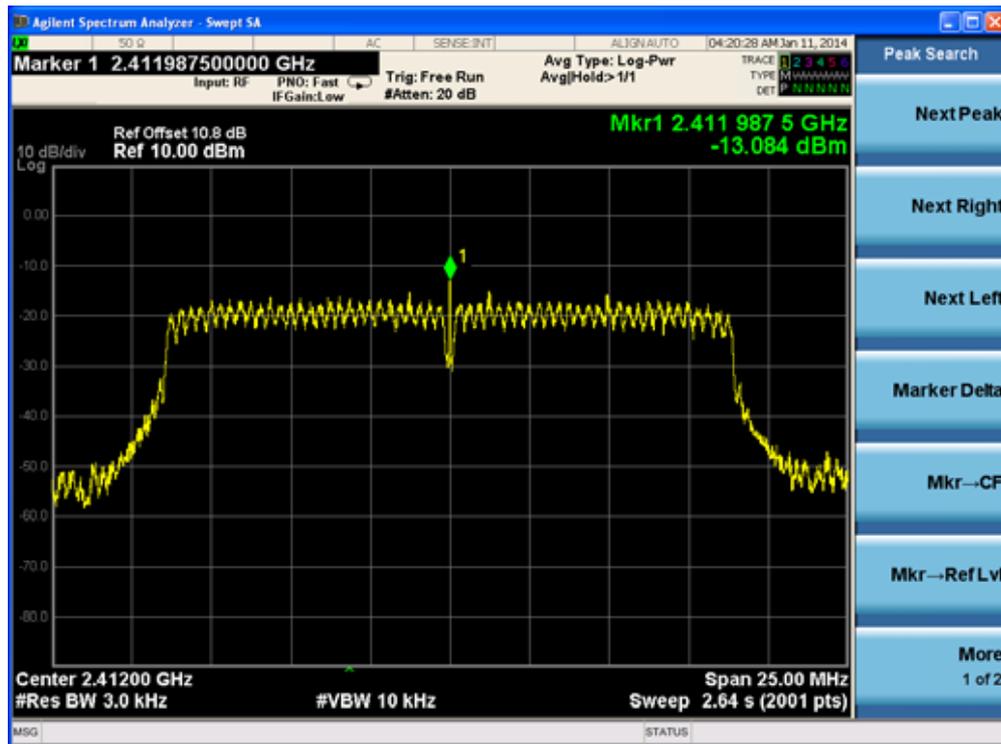
Channel 11 (2462MHz)



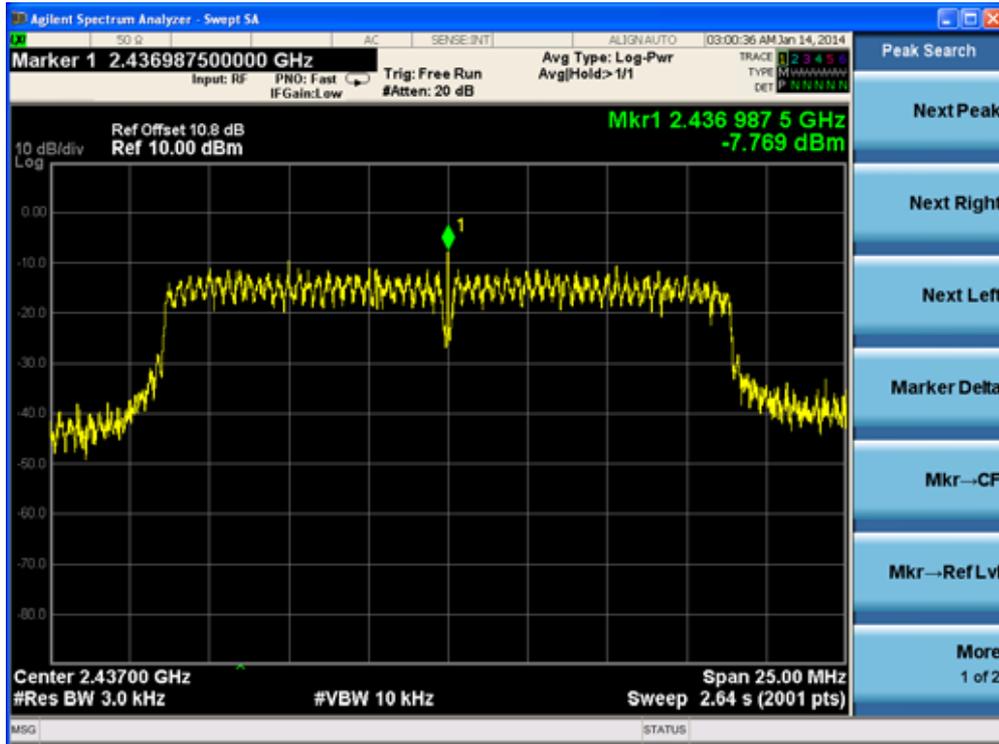
Product	:	GPON Terminal
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n(20MHz) (Ant 1)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
01	2412	N/A	-13.08	-13.08	8	Pass
06	2437	N/A	-7.77	-7.77	8	Pass
11	2462	N/A	-12.54	-12.54	8	Pass

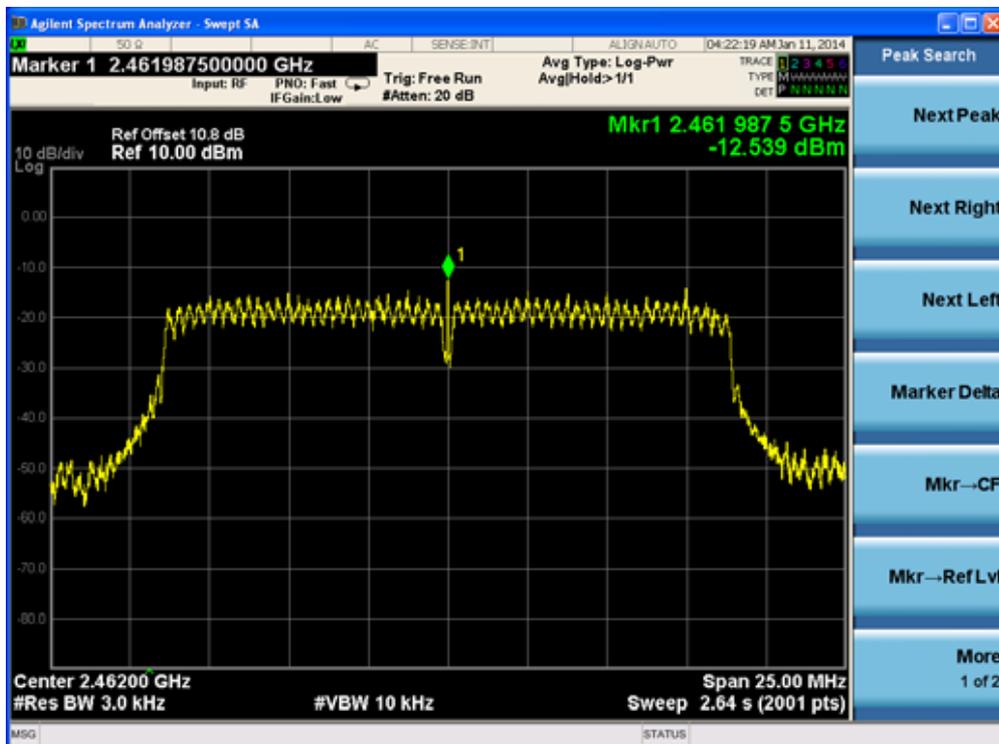
Channel 01 (2412MHz)



Channel 06 (2437MHz)



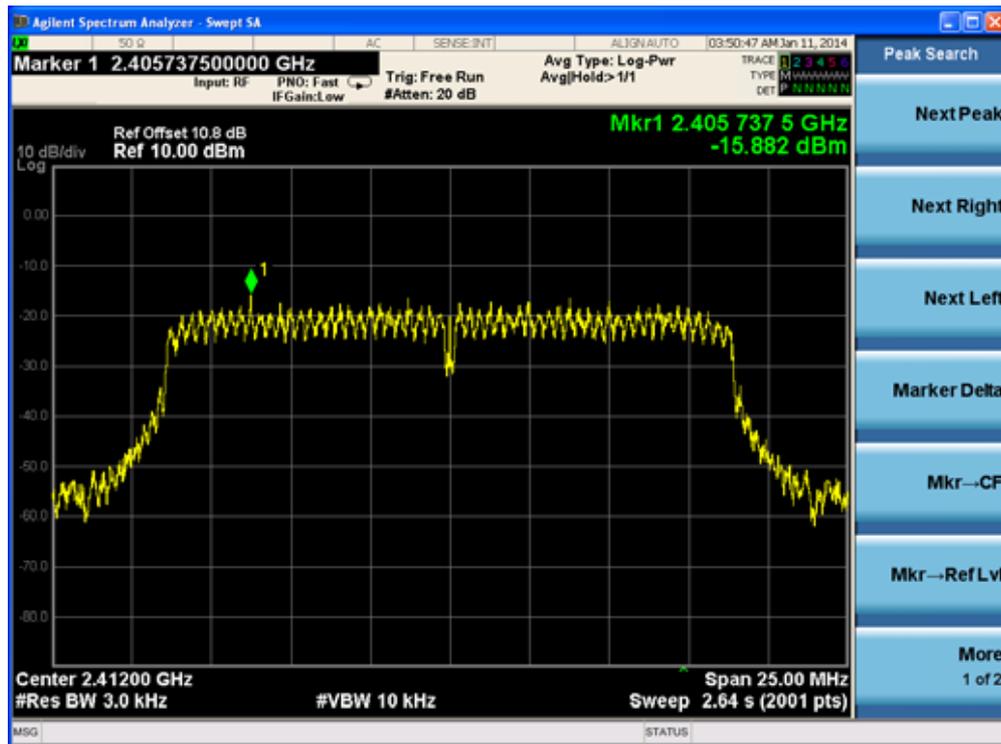
Channel 11 (2462MHz)



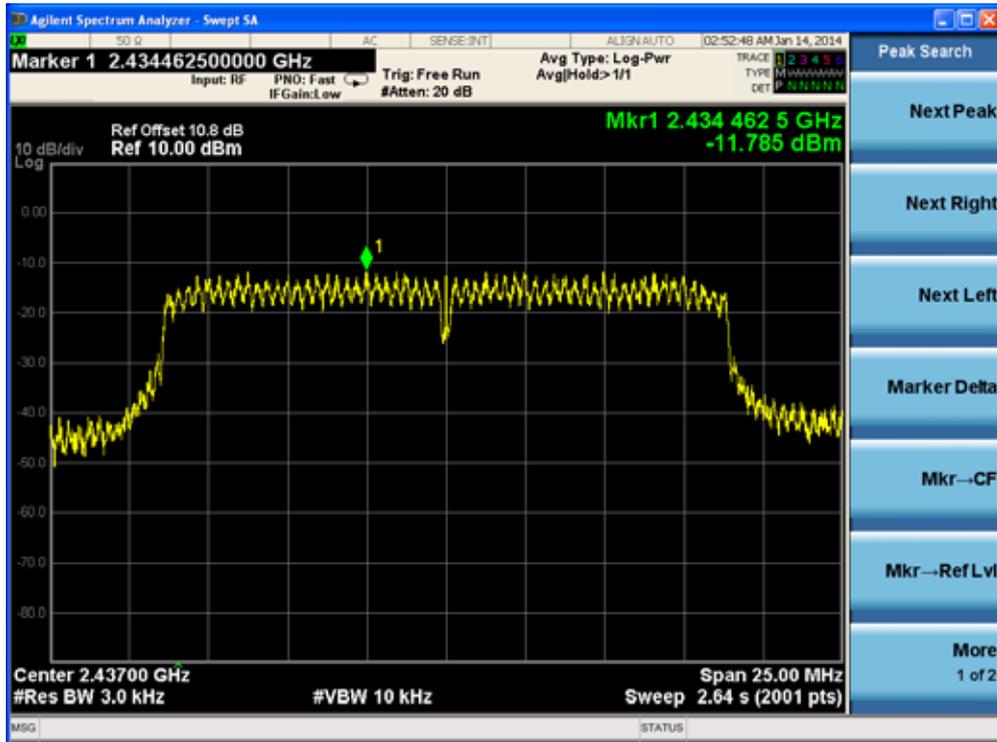
Product	:	GPON Terminal
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n(20MHz) (Ant 0+1)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
01	2412	-15.88	-14.74	-12.26	8	Pass
06	2437	-11.79	-11.84	-8.80	8	Pass
11	2462	-14.79	-14.39	-11.58	8	Pass

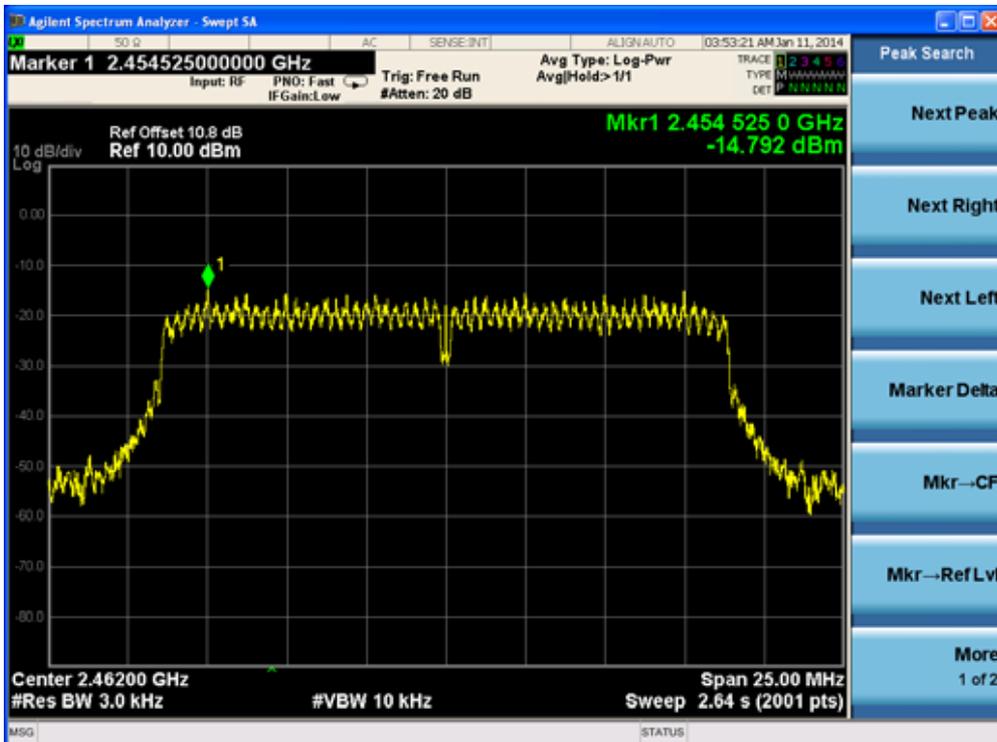
Channel 01 (2412MHz)-Ant 0



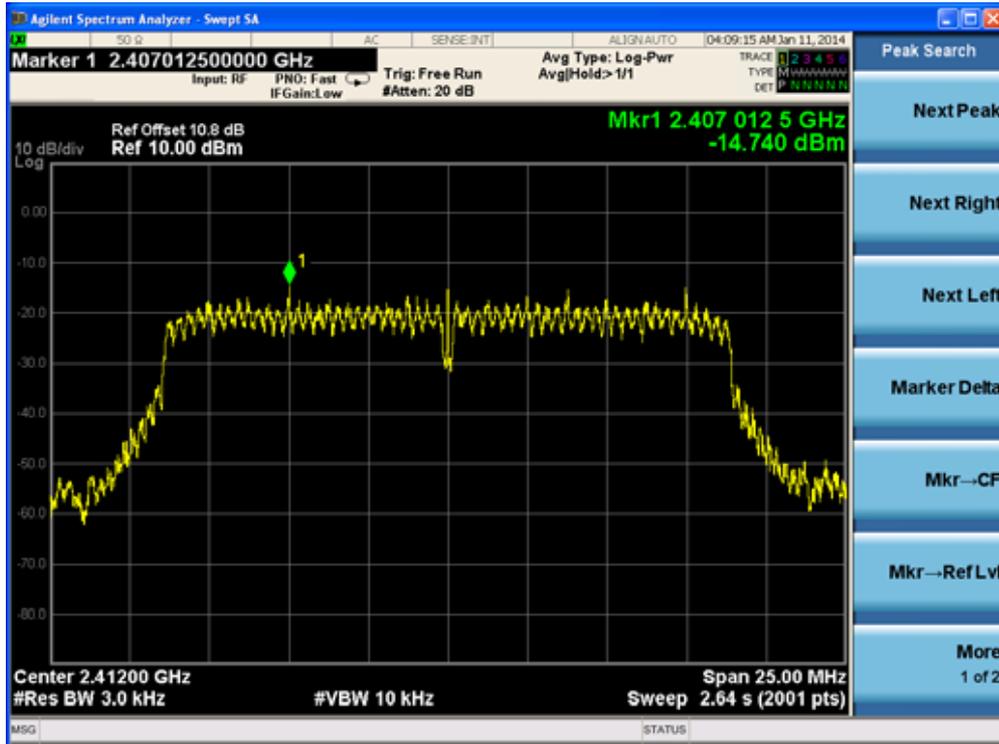
Channel 06 (2437MHz) -Ant 0



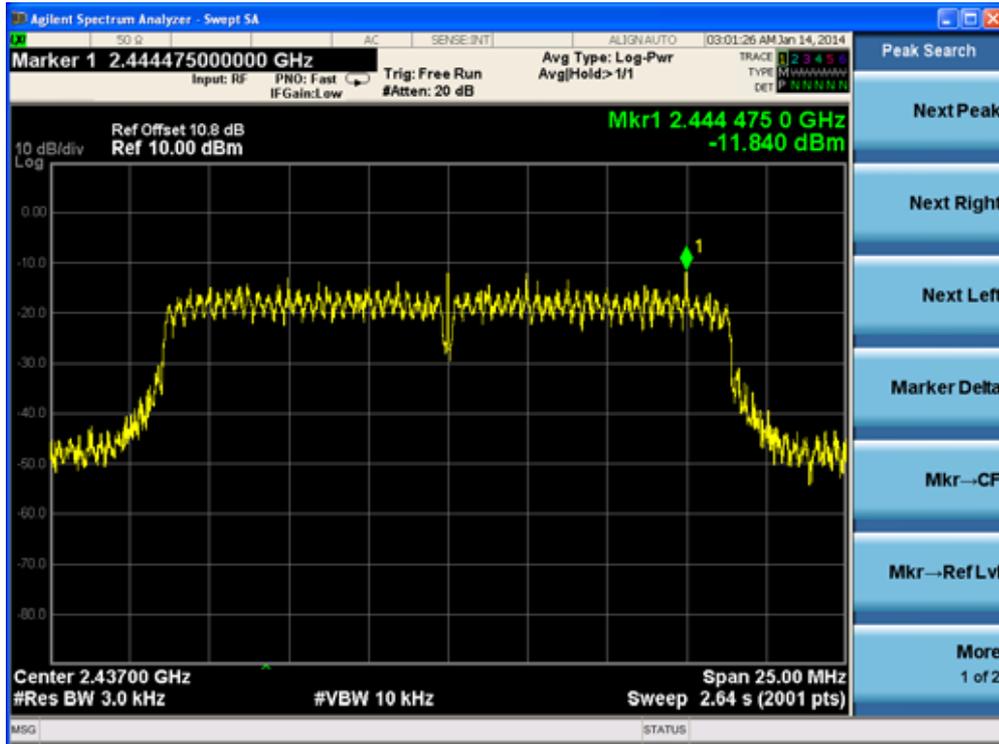
Channel 11 (2462MHz) -Ant 0



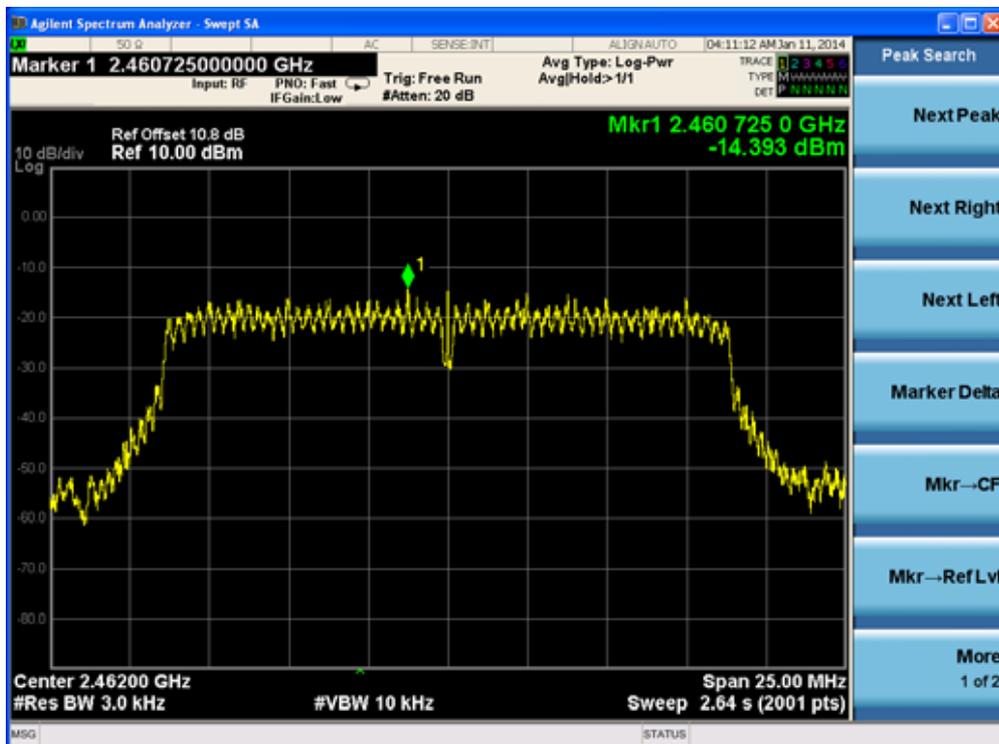
Channel 01 (2412MHz)-Ant 1



Channel 06 (2437MHz) -Ant 1



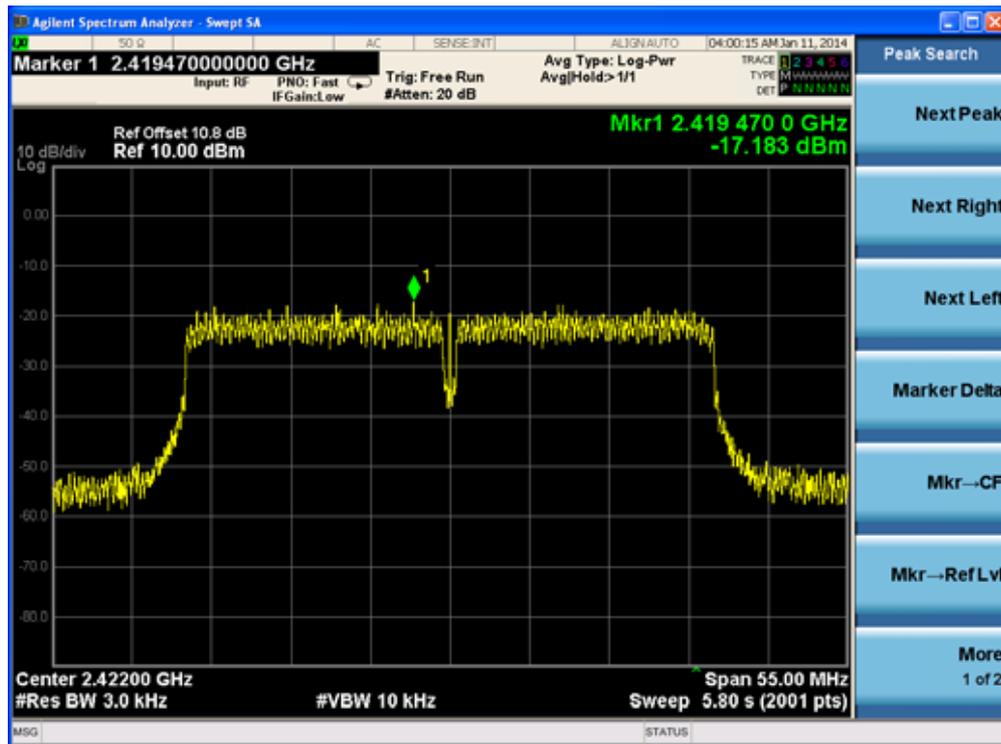
Channel 11 (2462MHz) -Ant 1



Product	:	GPON Terminal
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n(40MHz) (Ant 0)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
03	2422	-17.18	N/A	-17.18	8	Pass
06	2437	-12.59	N/A	-12.59	8	Pass
09	2452	-18.43	N/A	-18.43	8	Pass

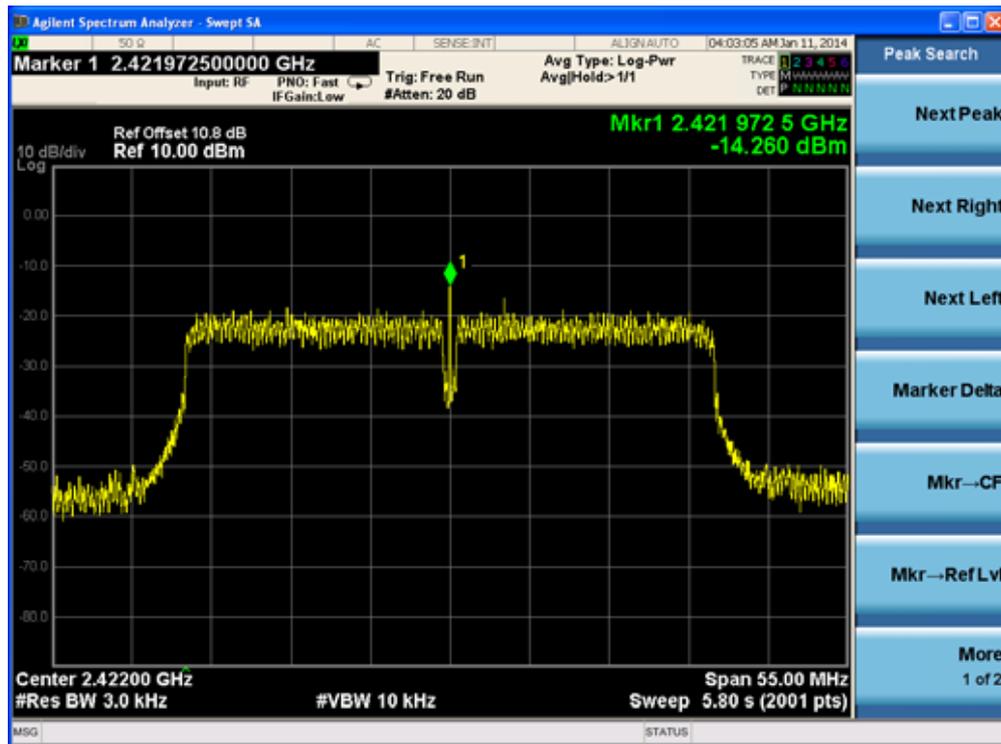
Channel 03 (2422MHz)



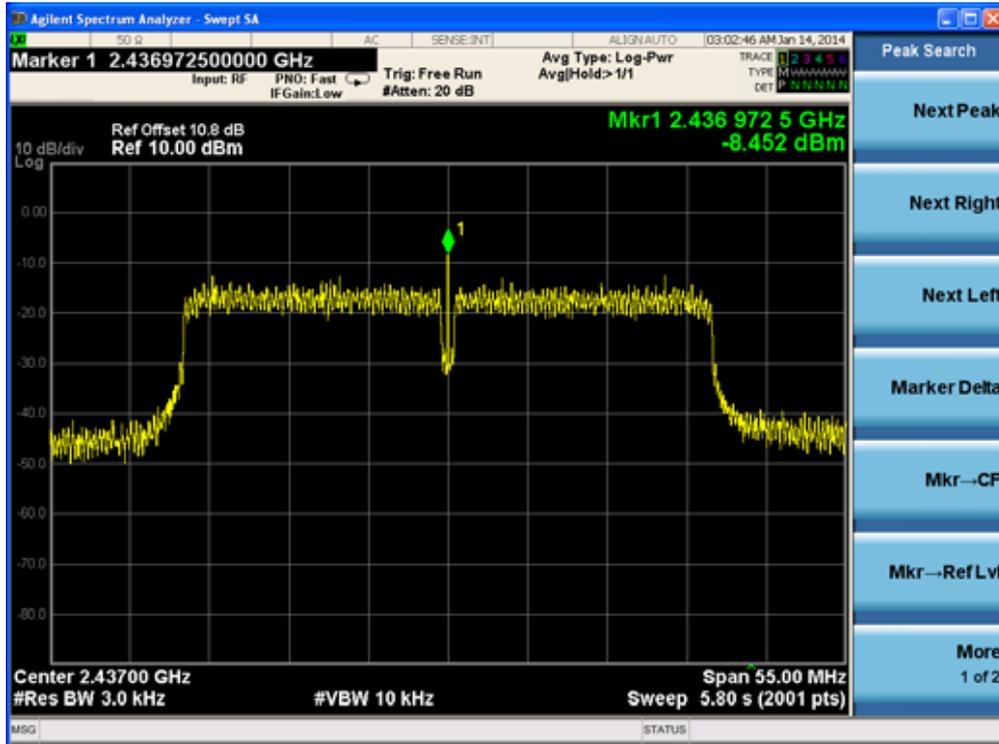
Product	:	GPON Terminal
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n(40MHz) (Ant 1)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
03	2422	N/A	-14.26	-14.26	8	Pass
06	2437	N/A	-8.45	-8.45	8	Pass
09	2452	N/A	-12.94	-12.94	8	Pass

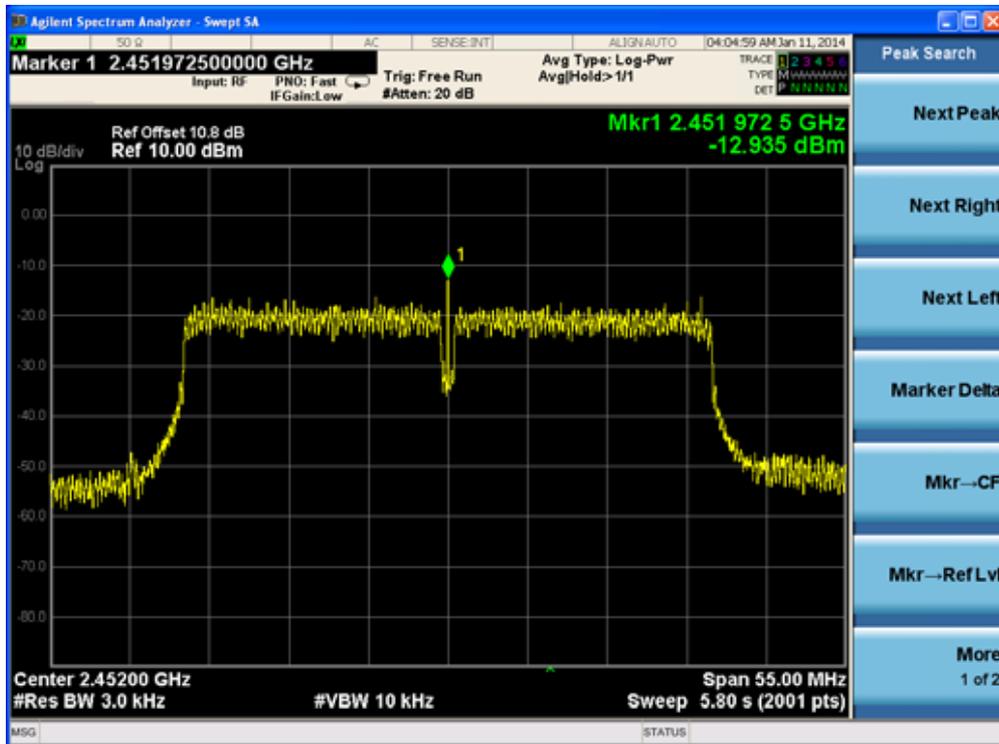
Channel 03 (2422MHz)



Channel 06 (2437MHz)



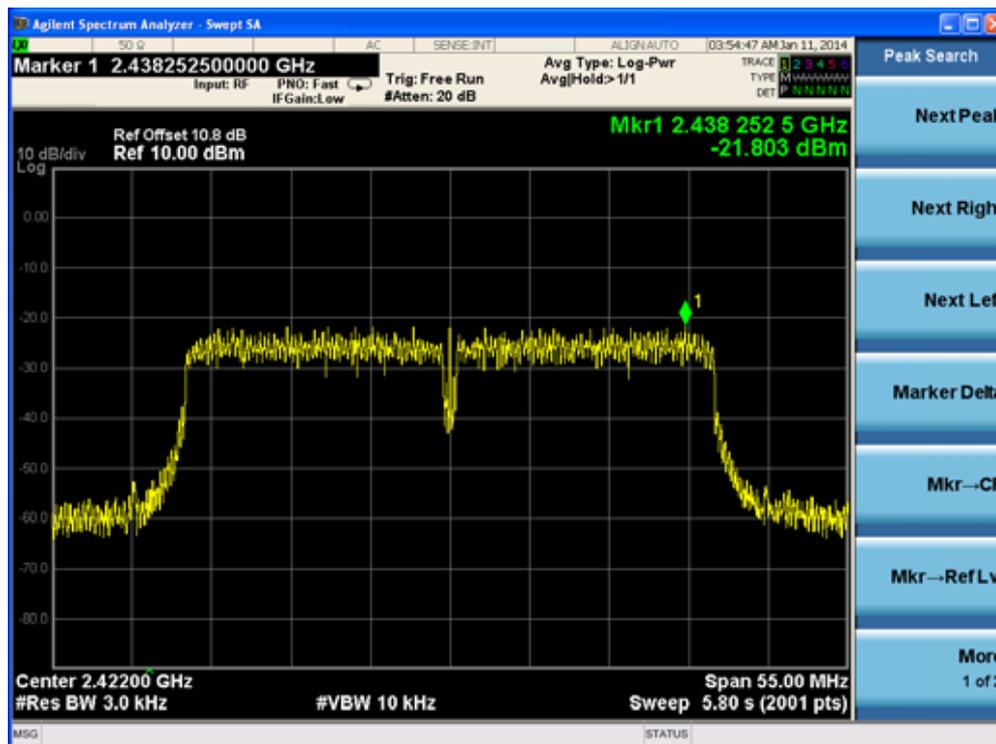
Channel 09 (2452MHz)



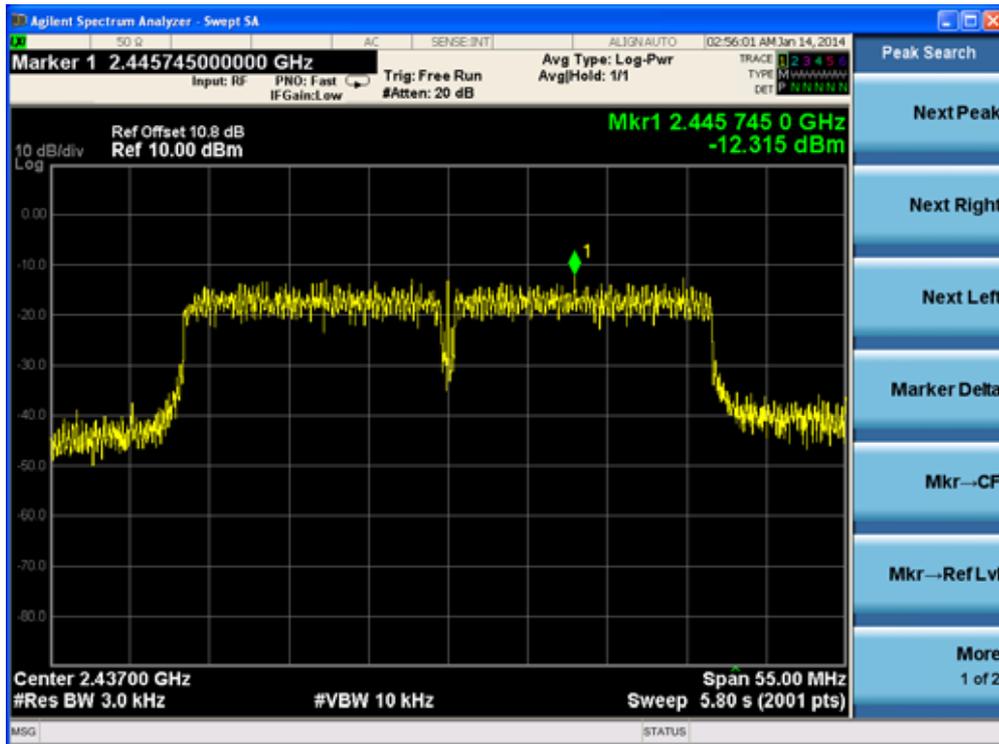
Product	:	GPON Terminal
Test Item	:	Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11n(40MHz) (Ant 0+1)

Channel No.	Frequency (MHz)	Measurement PPSD (dBm)		Total PPSD (dBm)	Limit (dBm)	Result
		Ant 0	Ant 1			
03	2422	-21.80	-18.17	-16.61	8	Pass
06	2437	-12.32	-11.26	-8.75	8	Pass
09	2452	-20.36	-18.06	-16.05	8	Pass

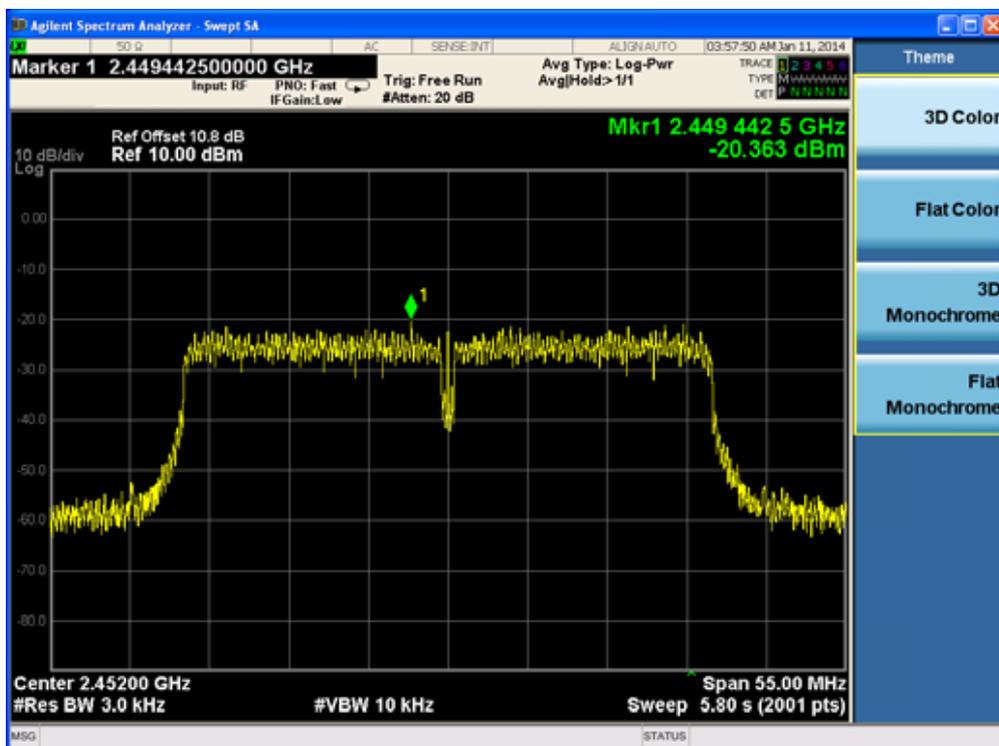
Channel 03 (2422MHz)-Ant 0



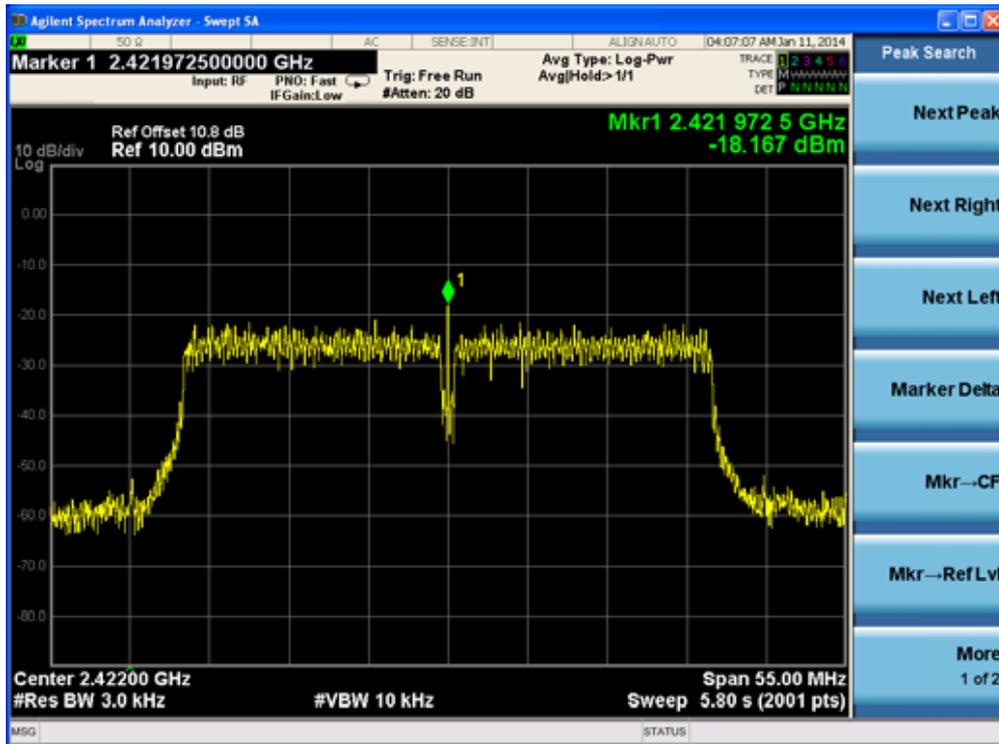
Channel 06 (2437MHz)-Ant 0



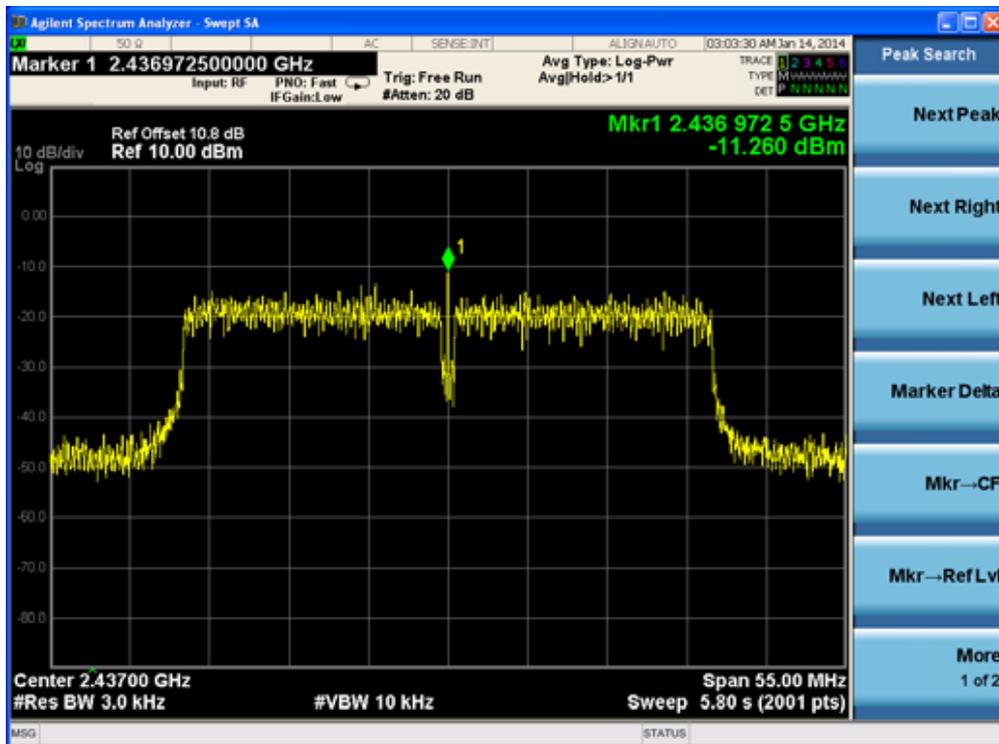
Channel 09 (2452MHz)-Ant 0



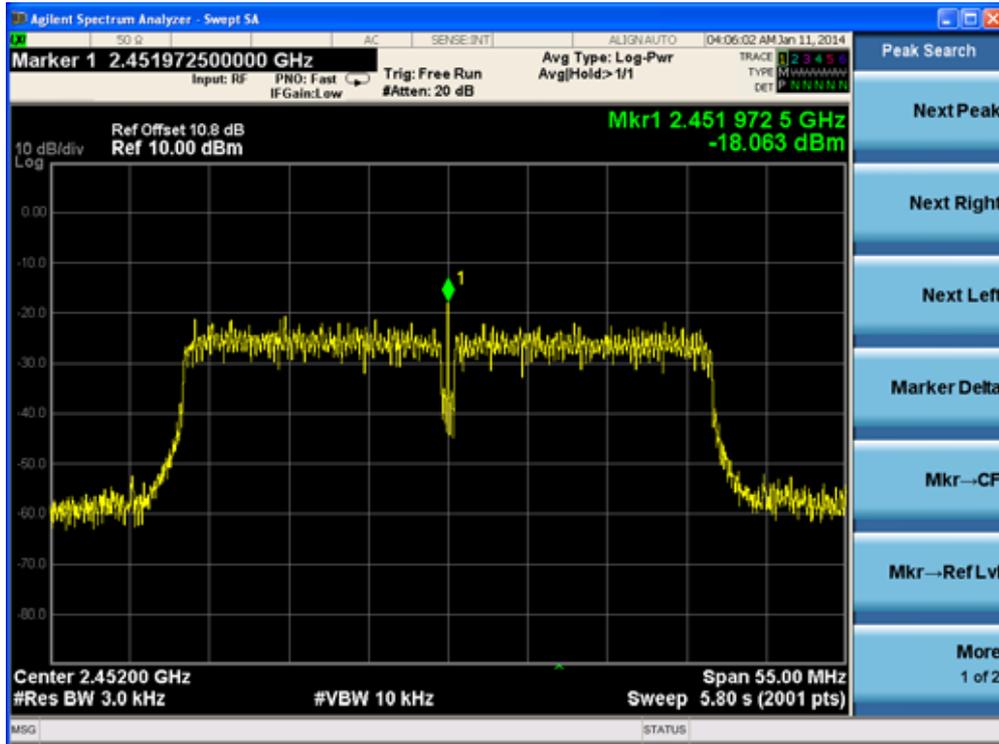
Channel 03 (2422MHz)-Ant 1



Channel 06 (2437MHz)-Ant 1



Channel 09 (2452MHz)-Ant 1



The End