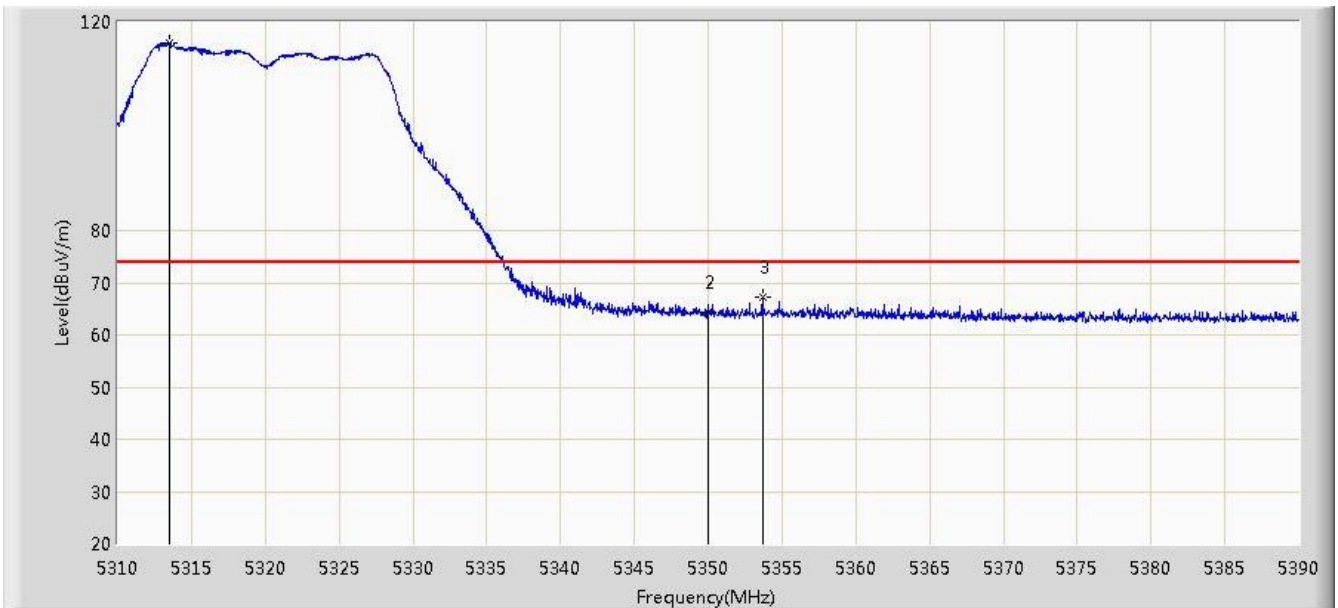


Site: AC1	Time: 2015/01/11 - 10:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5320MHz by 802.11a Ant 0+1+2+3	

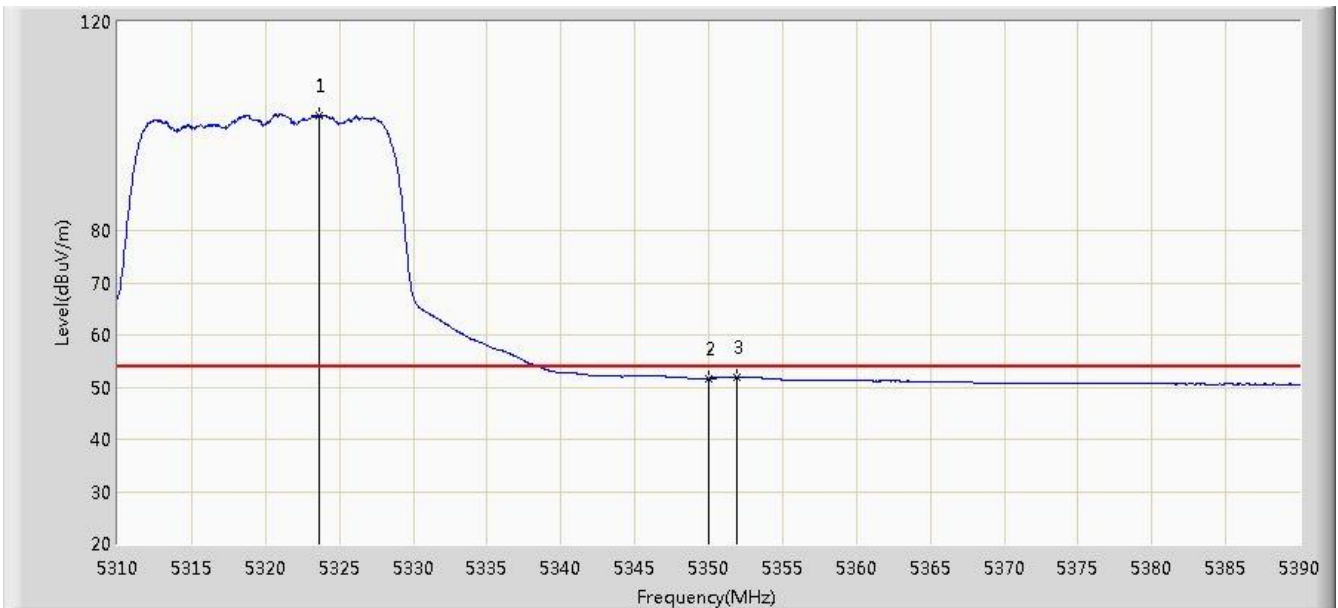


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5313.480	115.905	78.703	N/A	N/A	37.202	PK
2			5350.000	64.415	27.129	-9.585	74.000	37.286	PK
3			5353.680	67.206	29.909	-6.794	74.000	37.297	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 10:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5320MHz by 802.11a Ant 0+1+2+3	

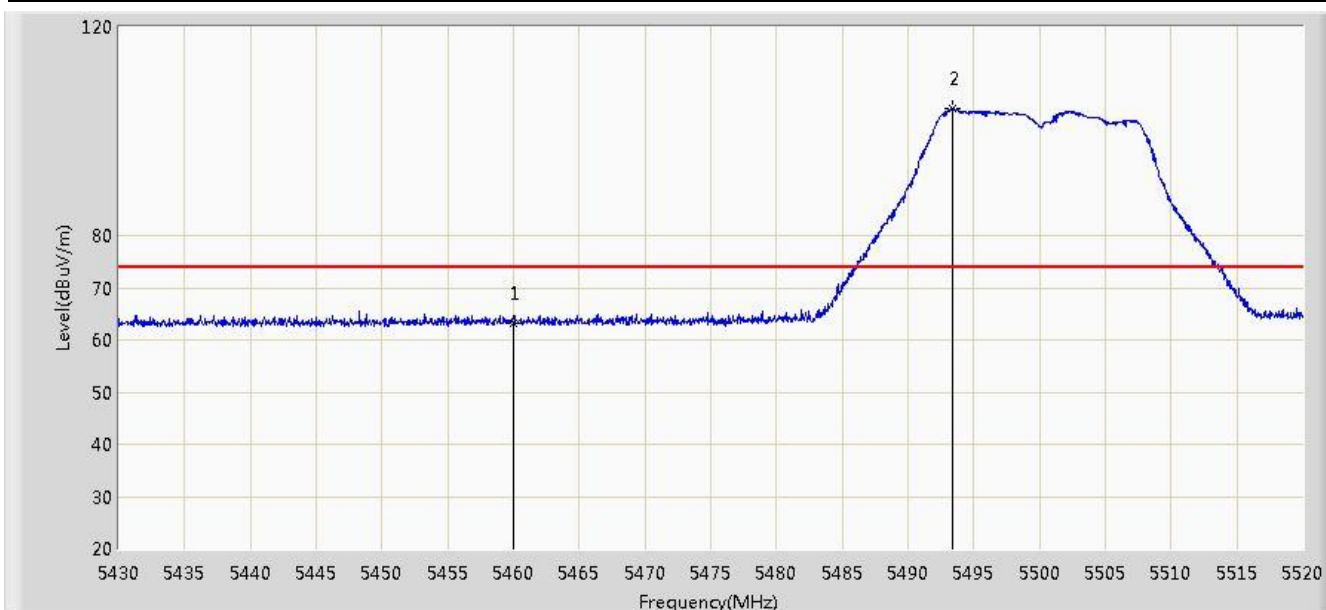


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5323.680	102.150	64.930	N/A	N/A	37.220	AV
2			5350.000	51.633	14.347	-2.367	54.000	37.286	AV
3			5351.880	51.913	14.621	-2.087	54.000	37.292	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 10:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5500MHz by 802.11a Ant 0+1+2+3	

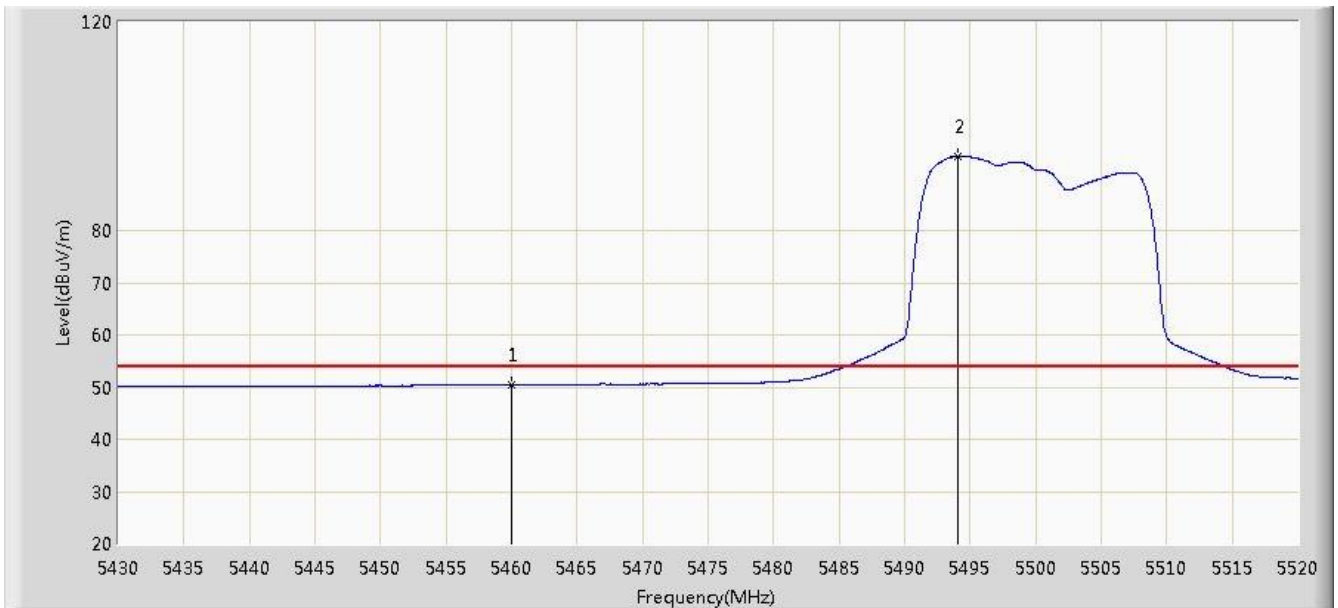


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	63.238	25.675	-10.762	74.000	37.563	PK
2		*	5493.360	104.376	66.759	N/A	N/A	37.617	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 10:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5500MHz by 802.11a Ant 0+1+2+3	

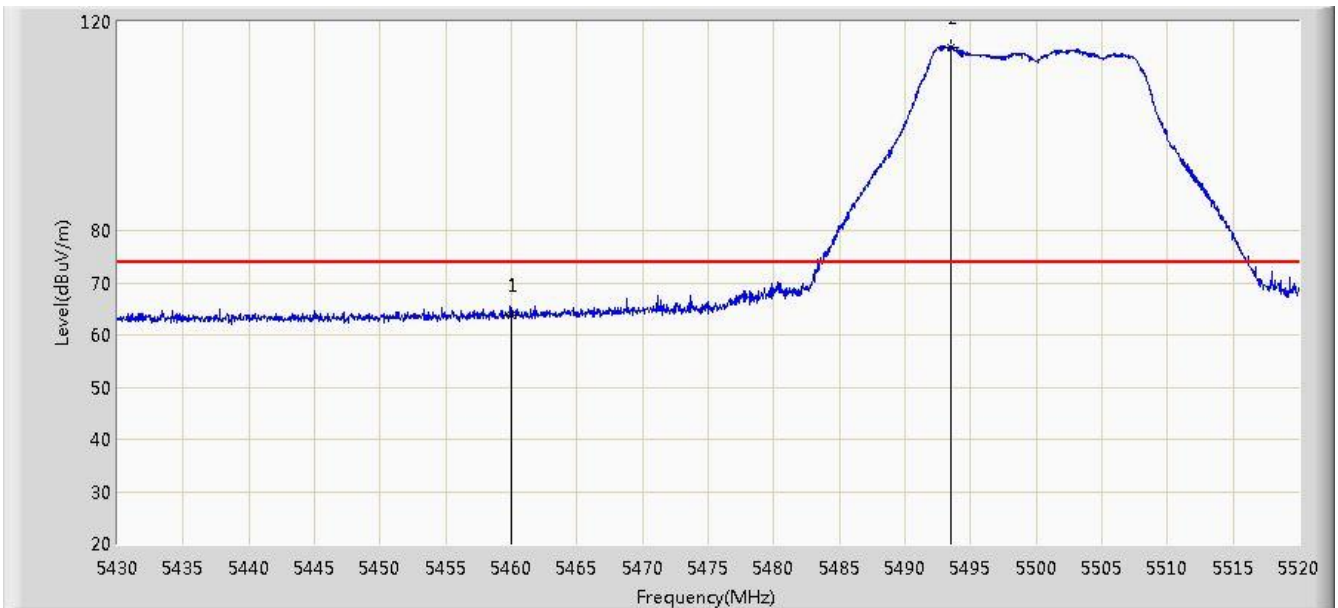


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.386	12.823	-3.614	54.000	37.563	AV
2		*	5494.080	94.199	56.581	N/A	N/A	37.618	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 10:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5500MHz by 802.11a Ant 0+1+2+3	

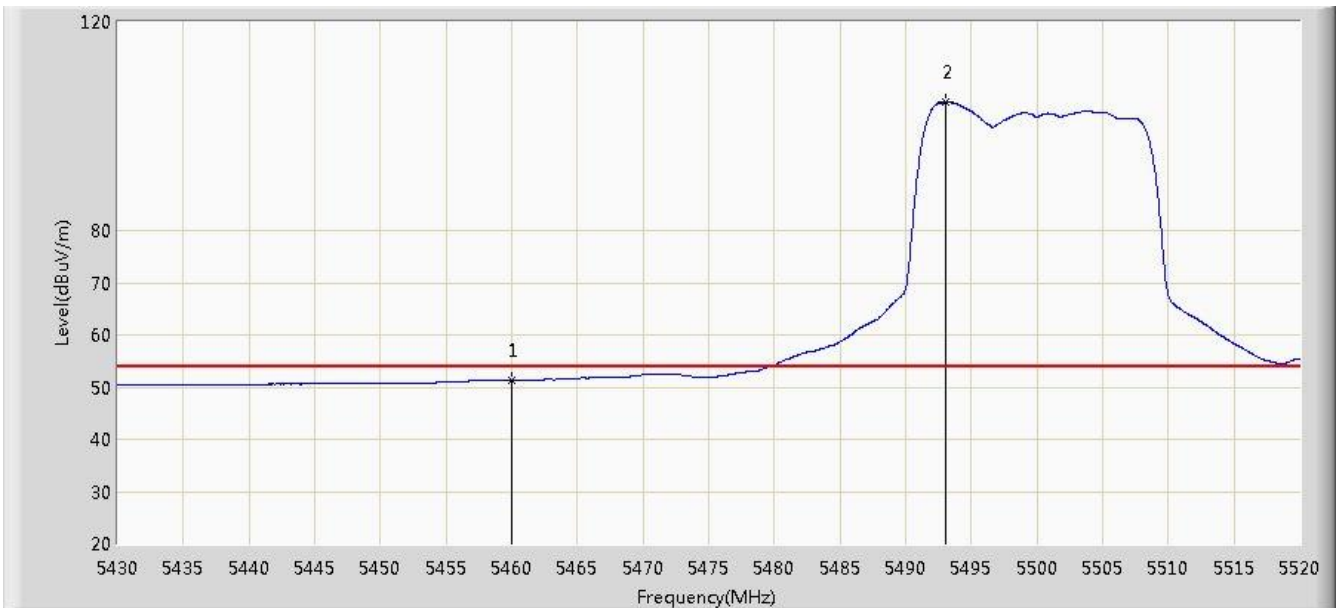


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	63.893	26.330	-10.107	74.000	37.563	PK
2		*	5493.450	115.215	77.598	N/A	N/A	37.617	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 10:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5500MHz by 802.11a Ant 0+1+2+3	

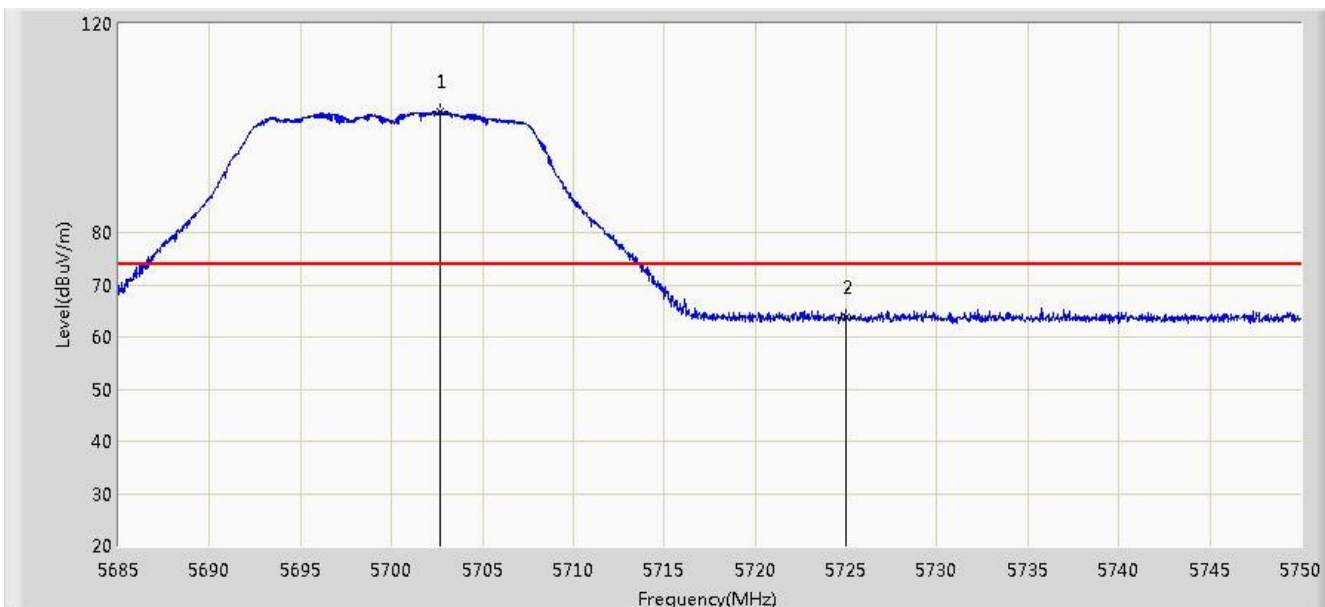


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	51.339	13.776	-2.661	54.000	37.563	AV
2		*	5493.090	104.628	67.011	N/A	N/A	37.617	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 11:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5700MHz by 802.11a Ant 0+1+2+3	

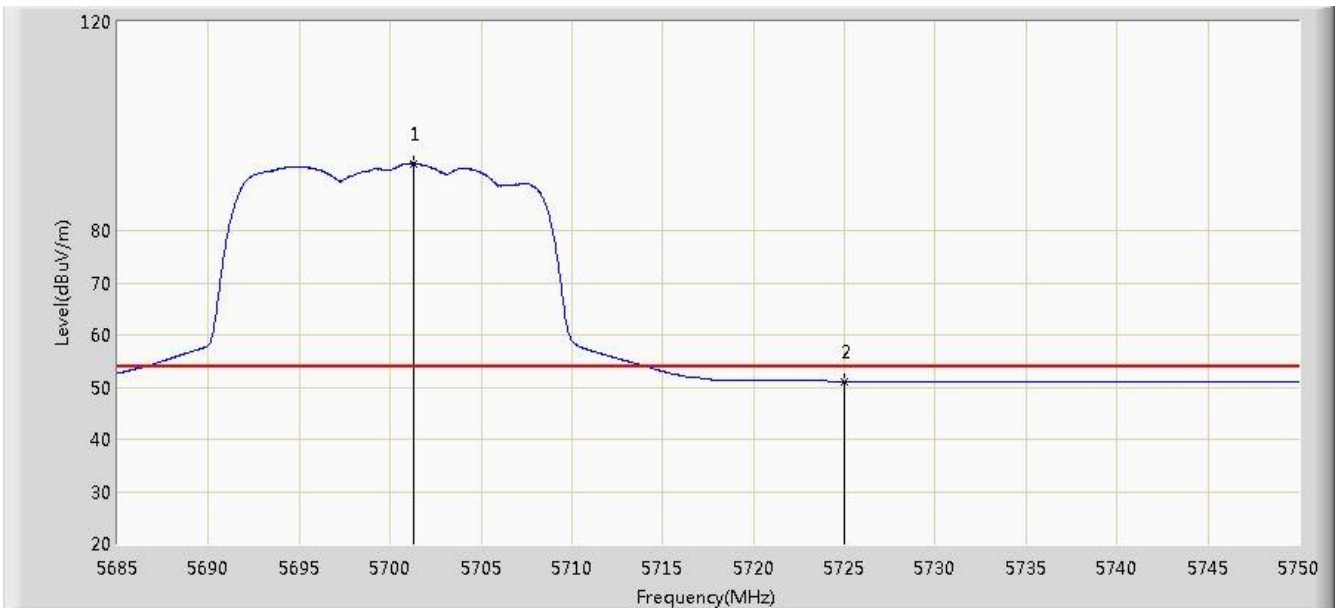


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5702.647	103.163	65.264	N/A	N/A	37.898	PK
2			5725.000	63.844	25.854	-10.156	74.000	37.990	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 11:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5700MHz by 802.11a Ant 0+1+2+3	

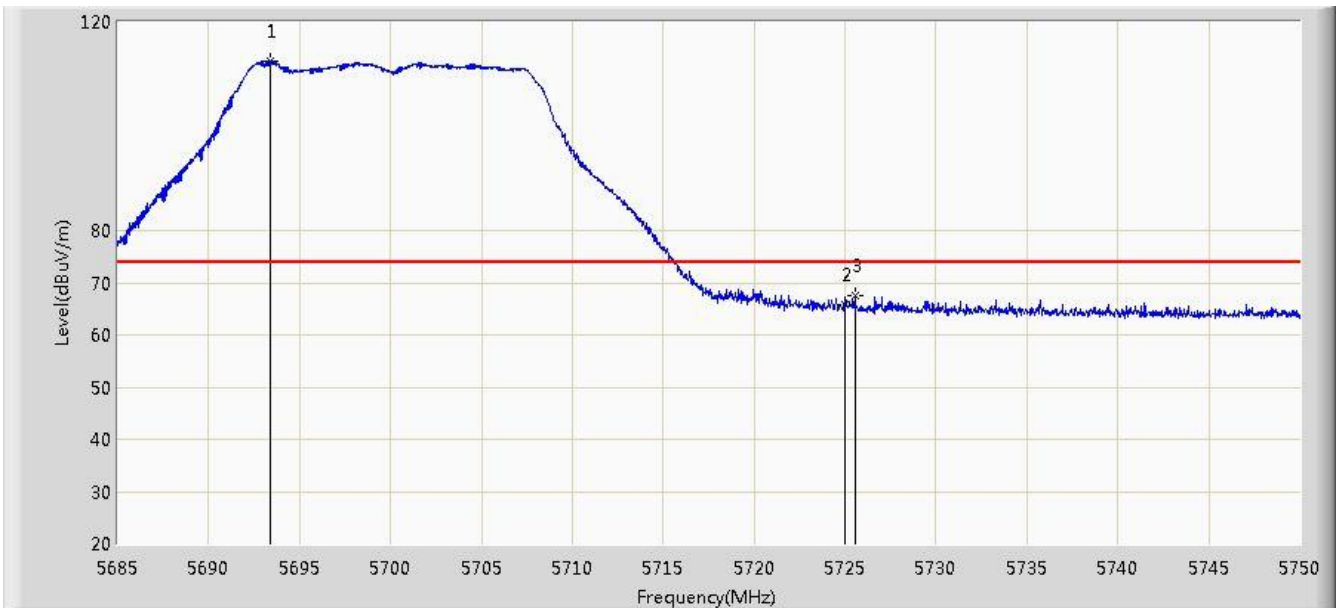


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5701.250	92.854	54.959	N/A	N/A	37.895	AV
2			5725.000	51.075	13.085	-2.925	54.000	37.990	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 11:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5700MHz by 802.11a Ant 0+1+2+3	

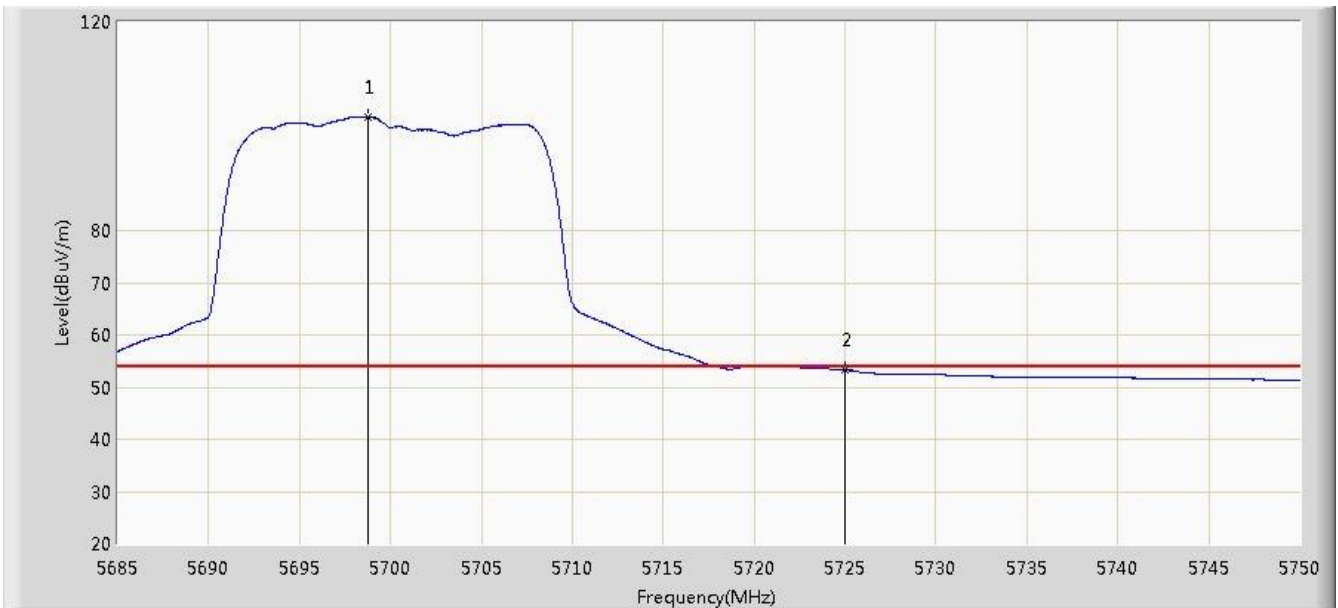


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5693.385	112.504	74.628	N/A	N/A	37.876	PK
2			5725.000	65.859	27.869	-8.141	74.000	37.990	PK
3			5725.560	67.513	29.521	-6.487	74.000	37.992	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 11:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5700MHz by 802.11a Ant 0+1+2+3	

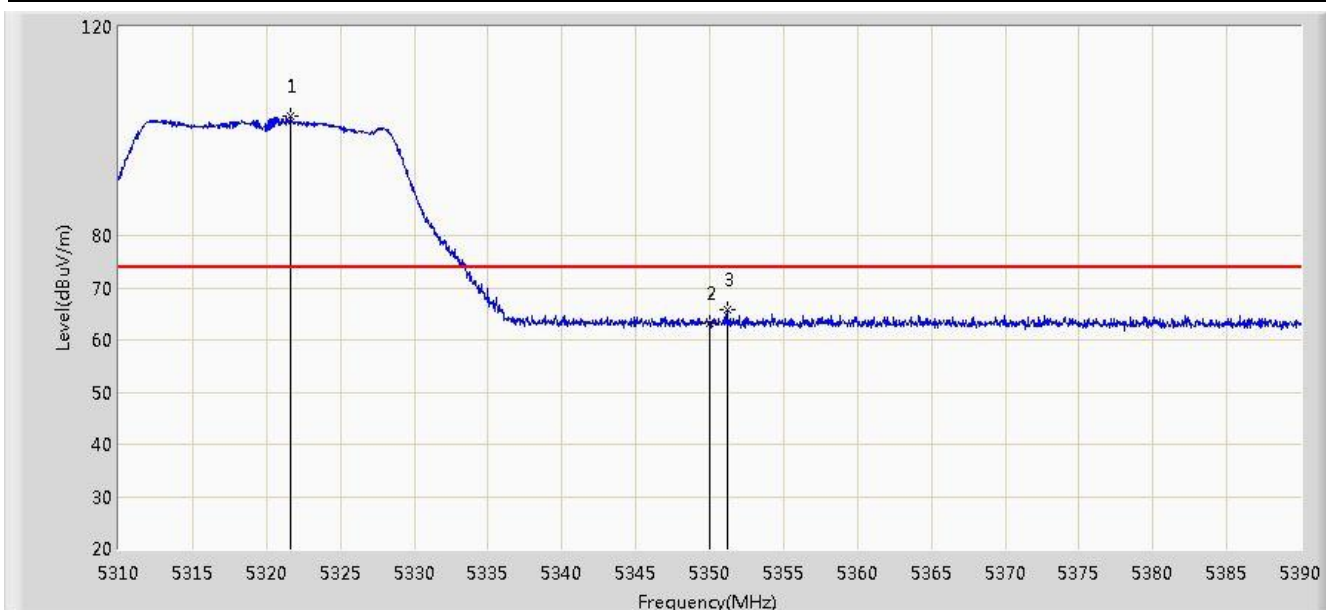


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5698.780	101.843	63.954	N/A	N/A	37.889	AV
2			5725.000	53.243	15.253	-0.757	54.000	37.990	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 11:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5320MHz by 802.11n-HT20 Ant 0+1+2+3	

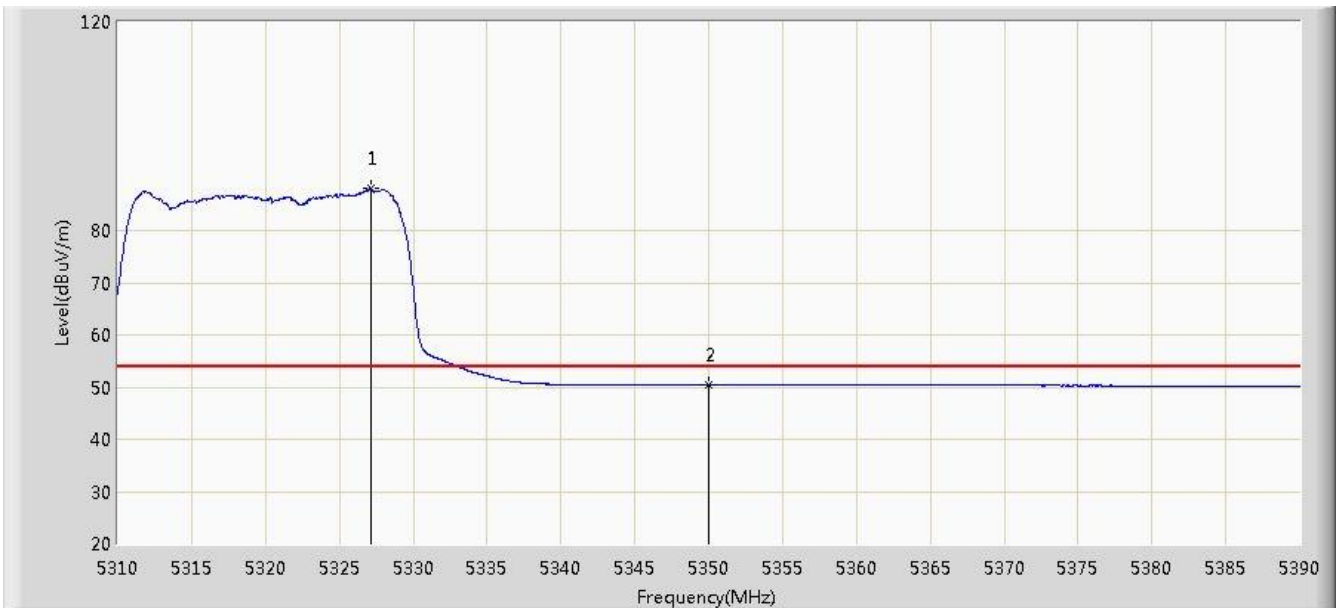


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.640	102.765	65.548	N/A	N/A	37.217	PK
2			5350.000	63.239	25.953	-10.761	74.000	37.286	PK
3			5351.160	65.666	28.376	-8.334	74.000	37.290	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 11:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5320MHz by 802.11n-HT20 Ant 0+1+2+3	

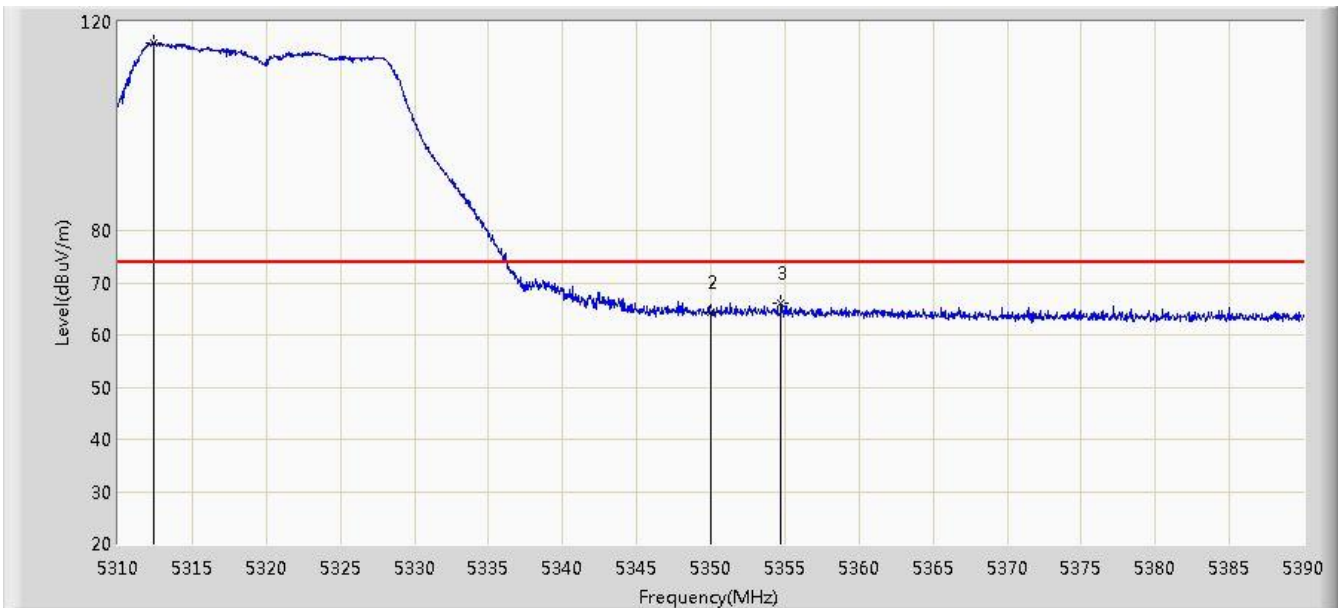


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5327.120	87.986	50.760	N/A	N/A	37.226	AV
2			5350.000	50.466	13.180	-3.534	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 11:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5320MHz by 802.11n-HT20 Ant 0+1+2+3	

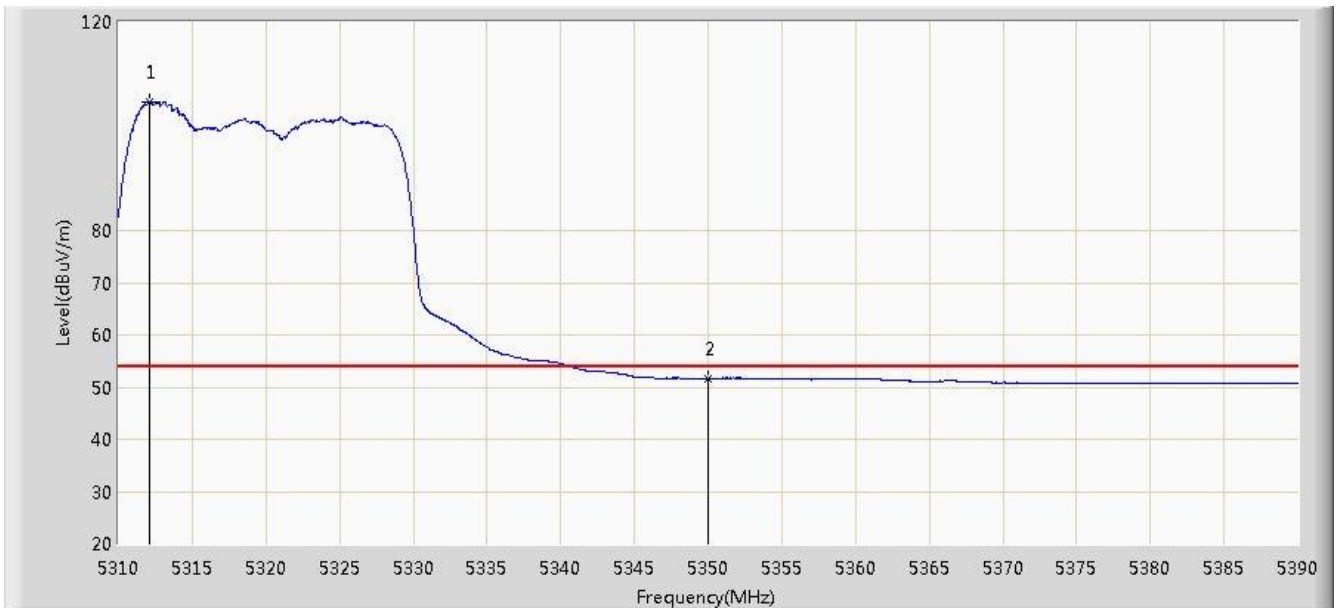


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5312.440	115.973	78.772	N/A	N/A	37.201	PK
2			5350.000	64.322	27.036	-9.678	74.000	37.286	PK
3			5354.720	66.178	28.878	-7.822	74.000	37.300	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 11:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5320MHz by 802.11n-HT20 Ant 0+1+2+3	

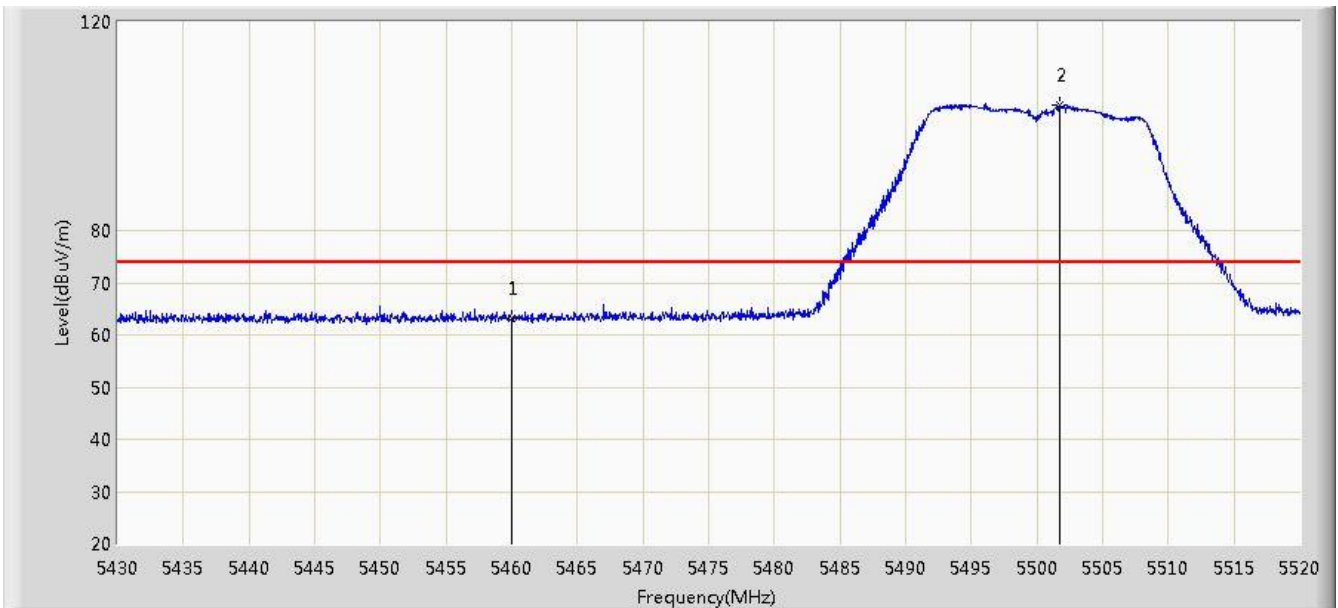


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5312.080	104.712	67.512	N/A	N/A	37.200	AV
2			5350.000	51.674	14.388	-2.326	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 11:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5500MHz by 802.11n-HT20 Ant 0+1+2+3	

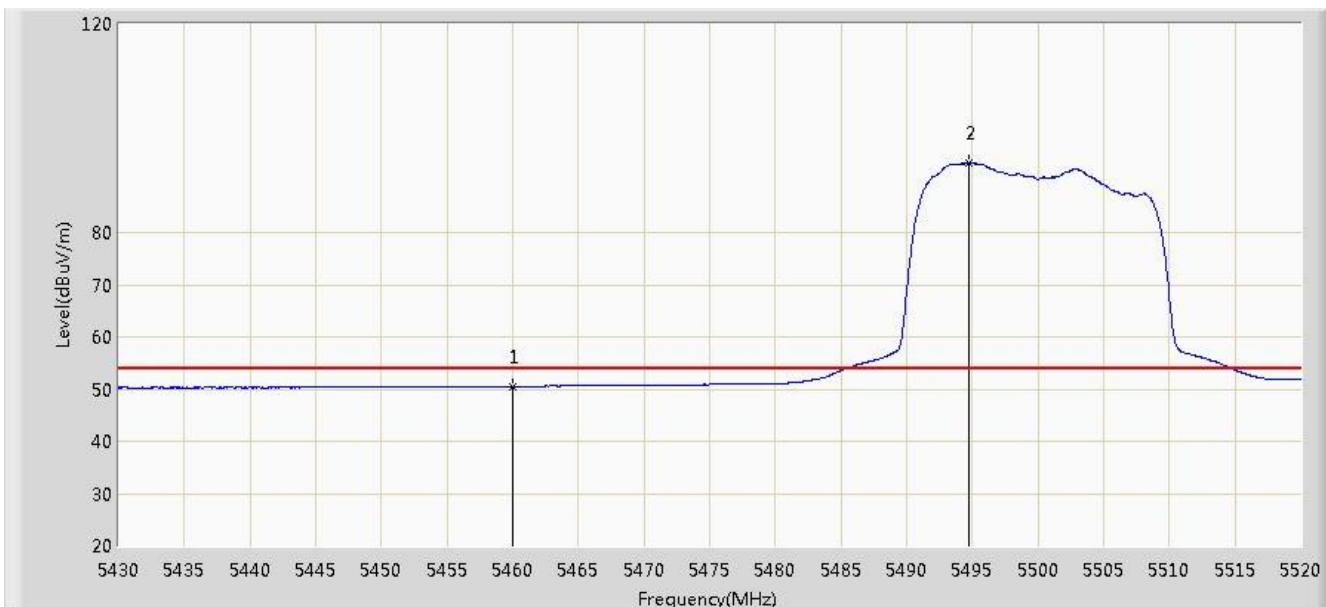


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	63.171	25.608	-10.829	74.000	37.563	PK
2		*	5501.685	104.150	66.524	N/A	N/A	37.626	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 11:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5500MHz by 802.11n-HT20 Ant 0+1+2+3	

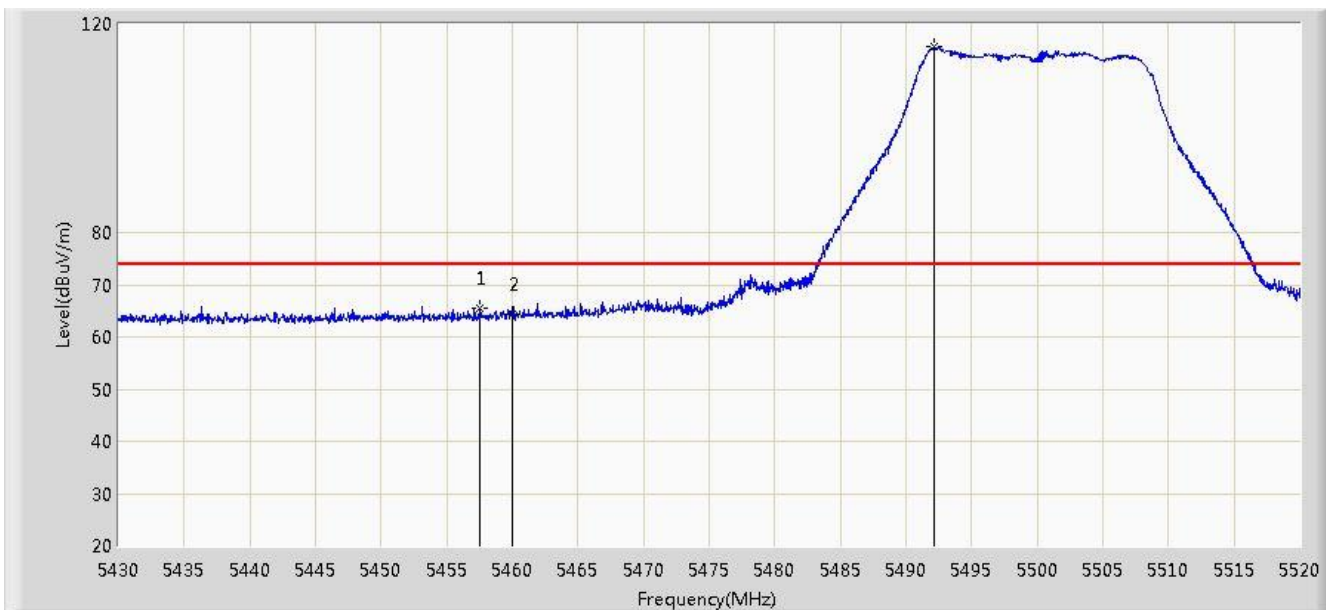


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.491	12.928	-3.509	54.000	37.563	AV
2		*	5494.755	93.472	55.853	N/A	N/A	37.618	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 11:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5500MHz by 802.11n-HT20 Ant 0+1+2+3	

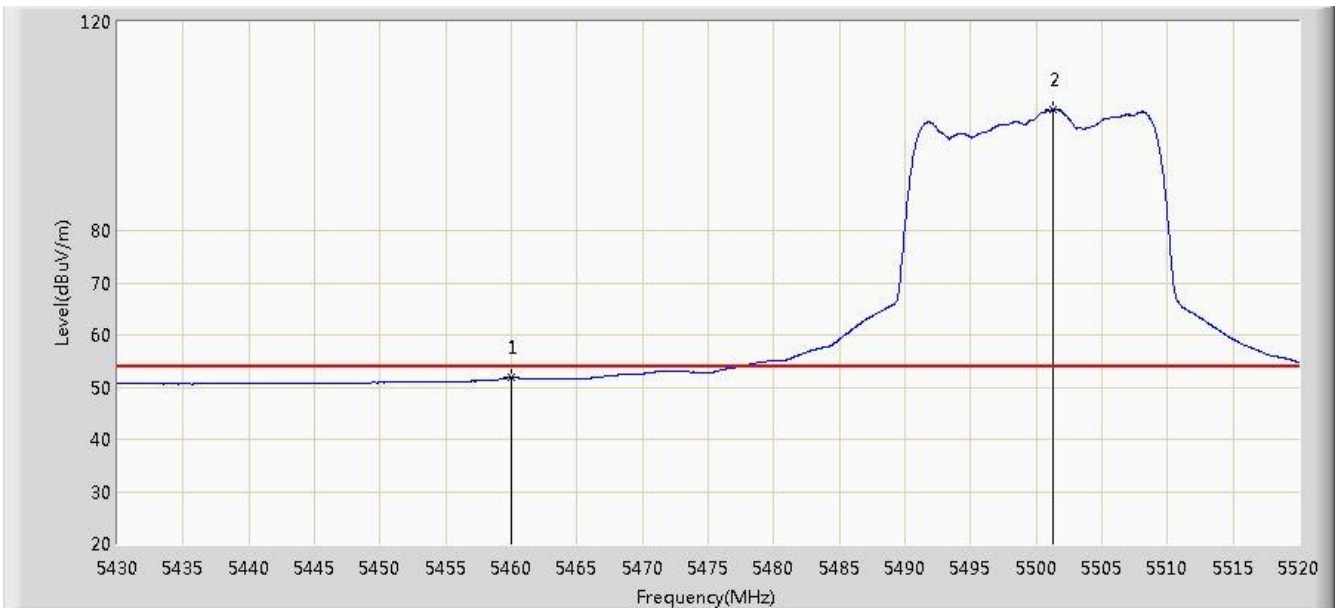


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5457.495	65.630	28.074	-8.370	74.000	37.556	PK
2			5460.000	64.405	26.842	-9.595	74.000	37.563	PK
3		*	5492.145	115.538	77.922	N/A	N/A	37.616	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 11:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5500MHz by 802.11n-HT20 Ant 0+1+2+3	

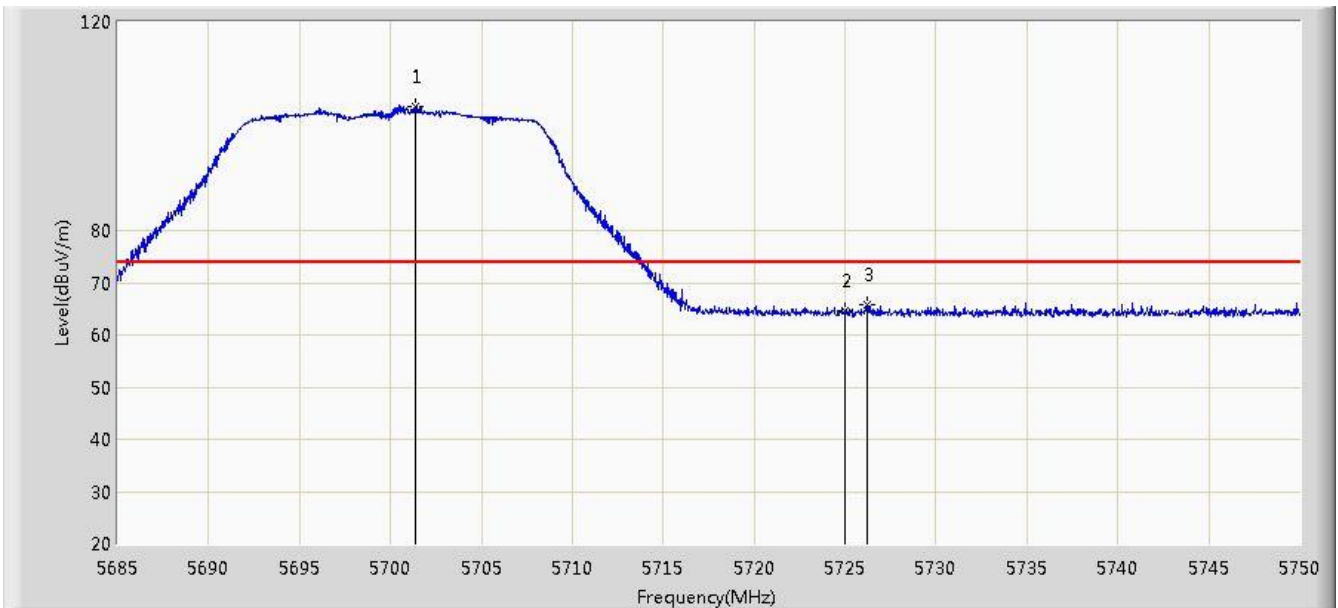


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	51.881	14.318	-2.119	54.000	37.563	AV
2		*	5501.325	103.275	65.649	N/A	N/A	37.626	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 12:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5700MHz by 802.11n-HT20 Ant 0+1+2+3	

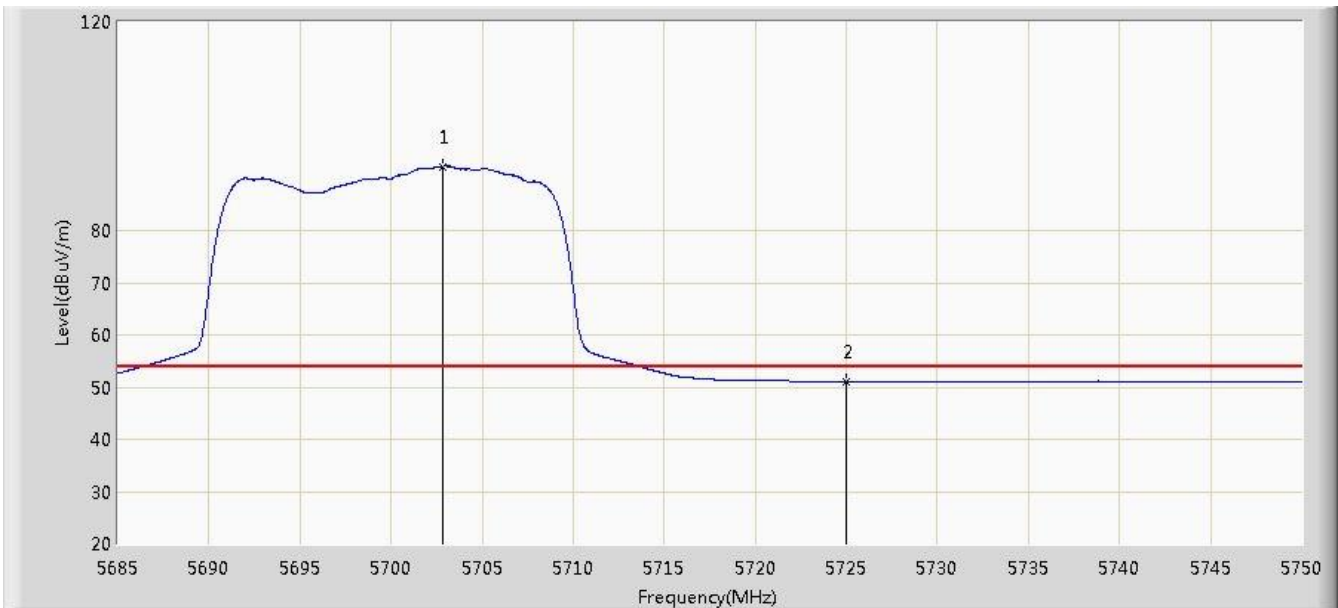


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5701.380	103.895	66.000	N/A	N/A	37.895	PK
2			5725.000	64.557	26.567	-9.443	74.000	37.990	PK
3			5726.243	65.884	27.889	-8.116	74.000	37.995	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 12:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5700MHz by 802.11n-HT20 Ant 0+1+2+3	

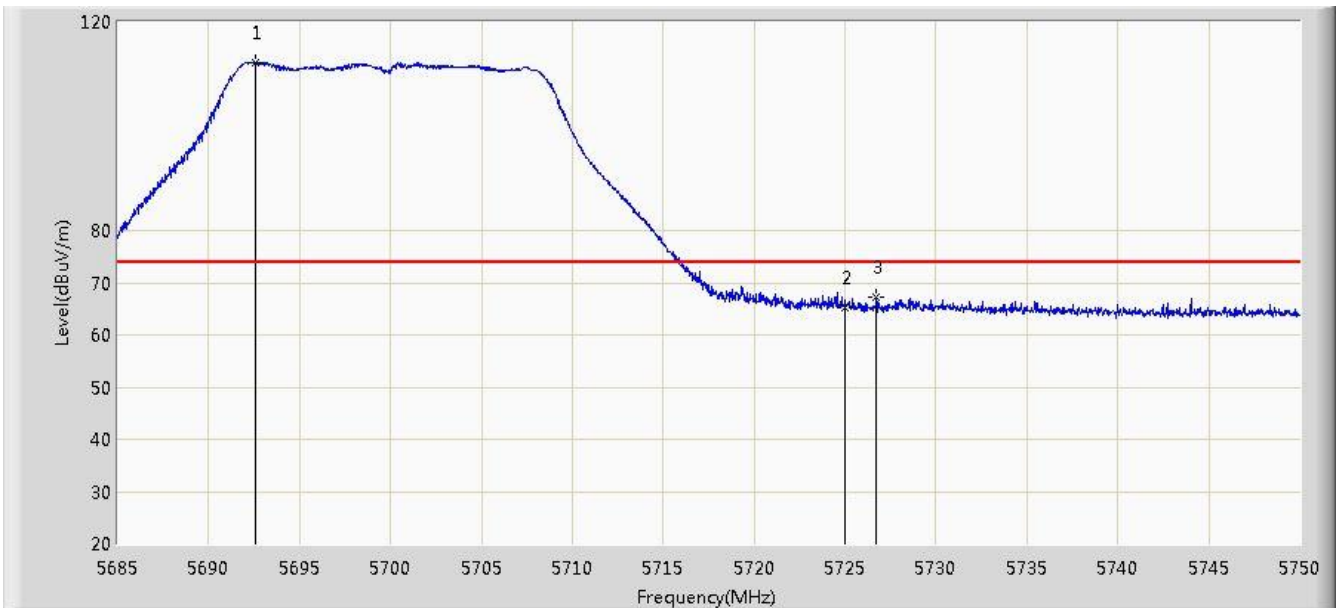


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5702.842	92.298	54.399	N/A	N/A	37.899	AV
2			5725.000	51.053	13.063	-2.947	54.000	37.990	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 12:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5700MHz by 802.11n-HT20 Ant 0+1+2+3	

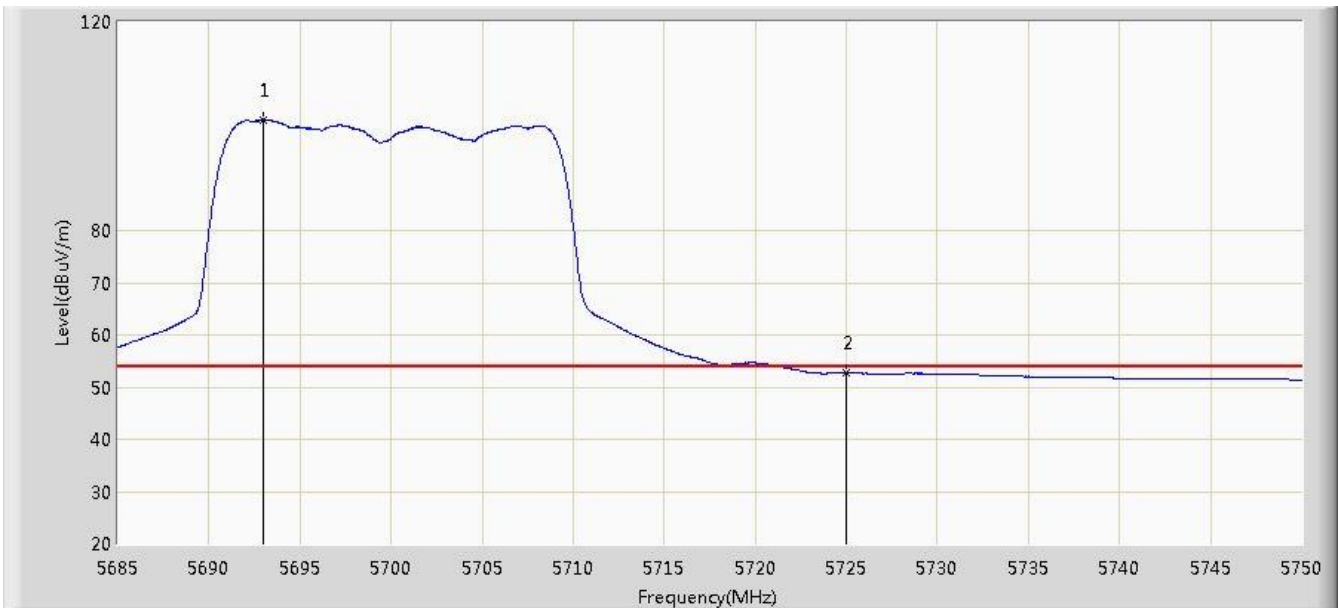


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5692.540	112.138	74.264	N/A	N/A	37.874	PK
2			5725.000	65.151	27.161	-8.849	74.000	37.990	PK
3			5726.730	67.125	29.128	-6.875	74.000	37.997	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 12:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5700MHz by 802.11n-HT20 Ant 0+1+2+3	

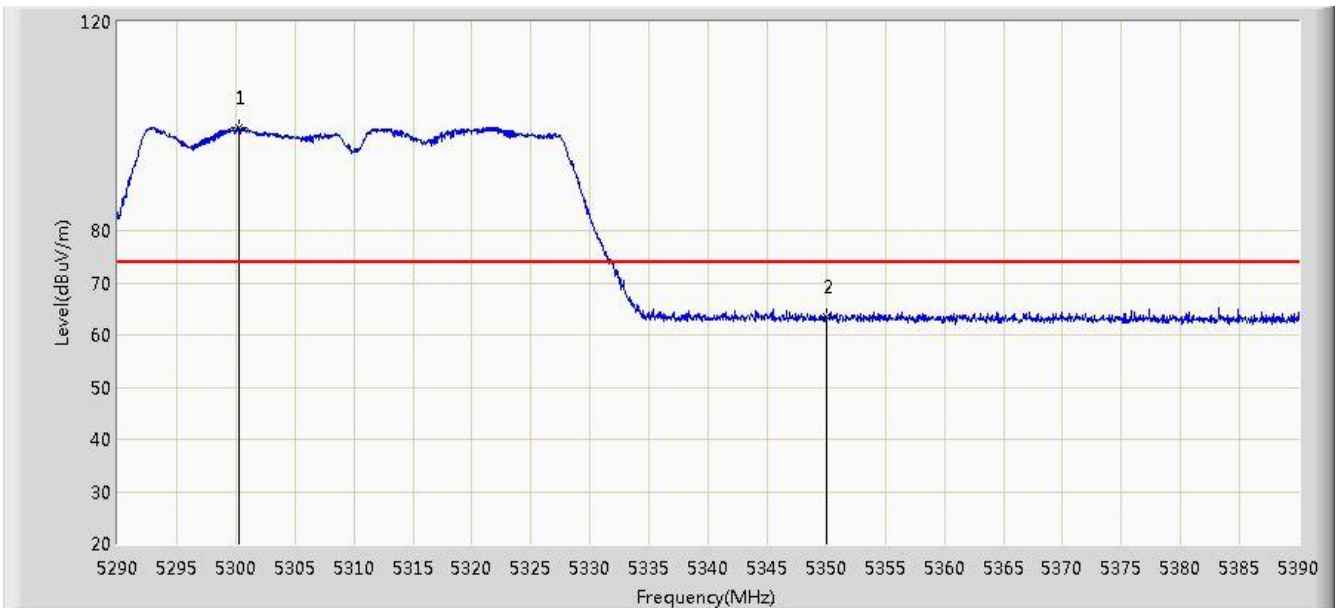


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5692.962	101.265	63.390	N/A	N/A	37.874	AV
2			5725.000	52.713	14.723	-1.287	54.000	37.990	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 13:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5310MHz by 802.11n-HT40 Ant 0+1+2+3	

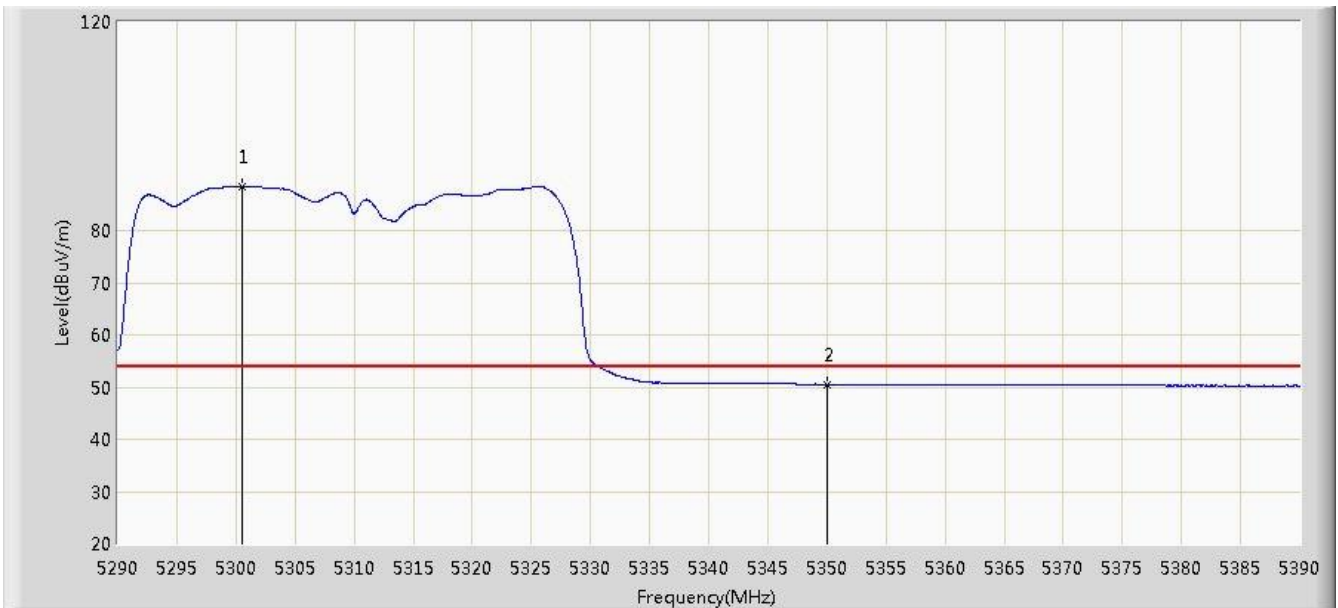


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5300.300	99.715	62.529	N/A	N/A	37.186	PK
2			5350.000	63.402	26.116	-10.598	74.000	37.286	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 13:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5310MHz by 802.11n-HT40 Ant 0+1+2+3	

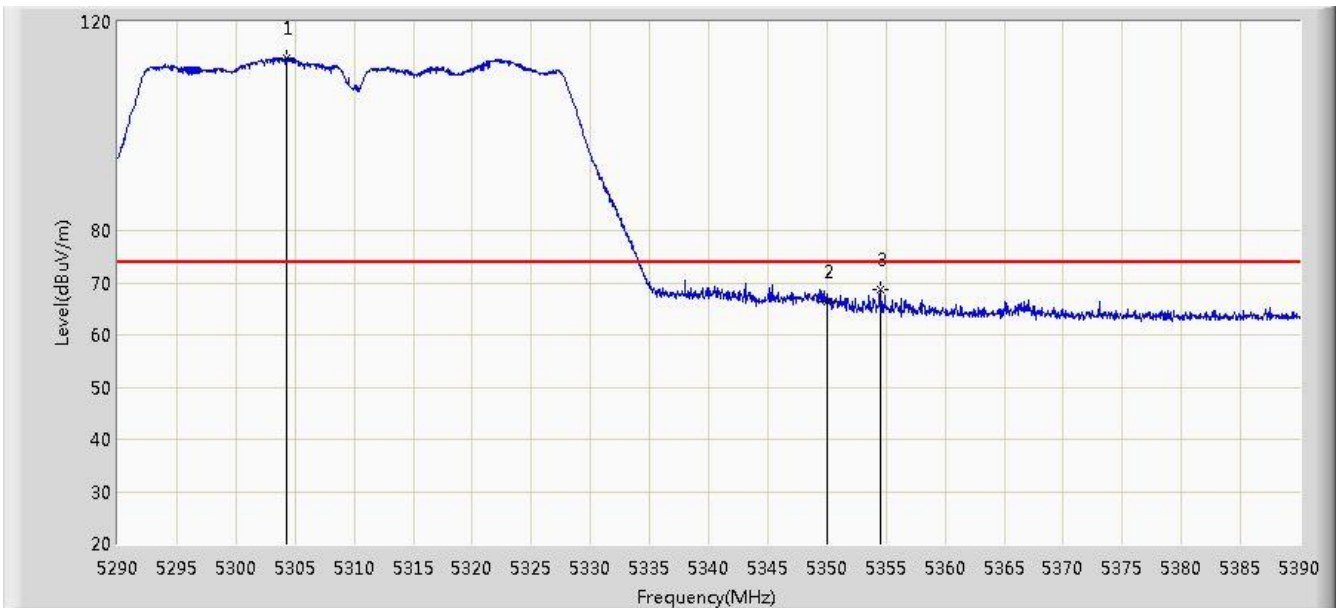


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5300.500	88.480	51.293	N/A	N/A	37.187	AV
2			5350.000	50.501	13.215	-3.499	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 13:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5310MHz by 802.11n-HT40 Ant 0+1+2+3	

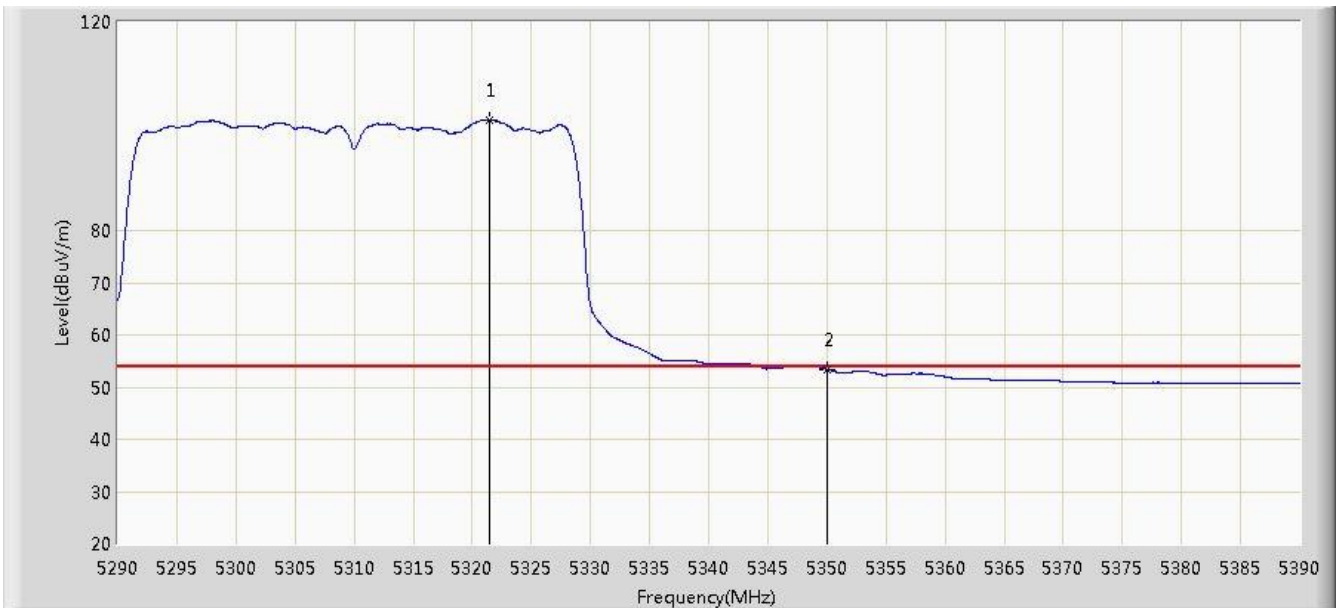


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5304.250	113.131	75.940	N/A	N/A	37.191	PK
2			5350.000	66.411	29.125	-7.589	74.000	37.286	PK
3			5354.550	68.670	31.371	-5.330	74.000	37.299	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 13:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5310MHz by 802.11n-HT40 Ant 0+1+2+3	

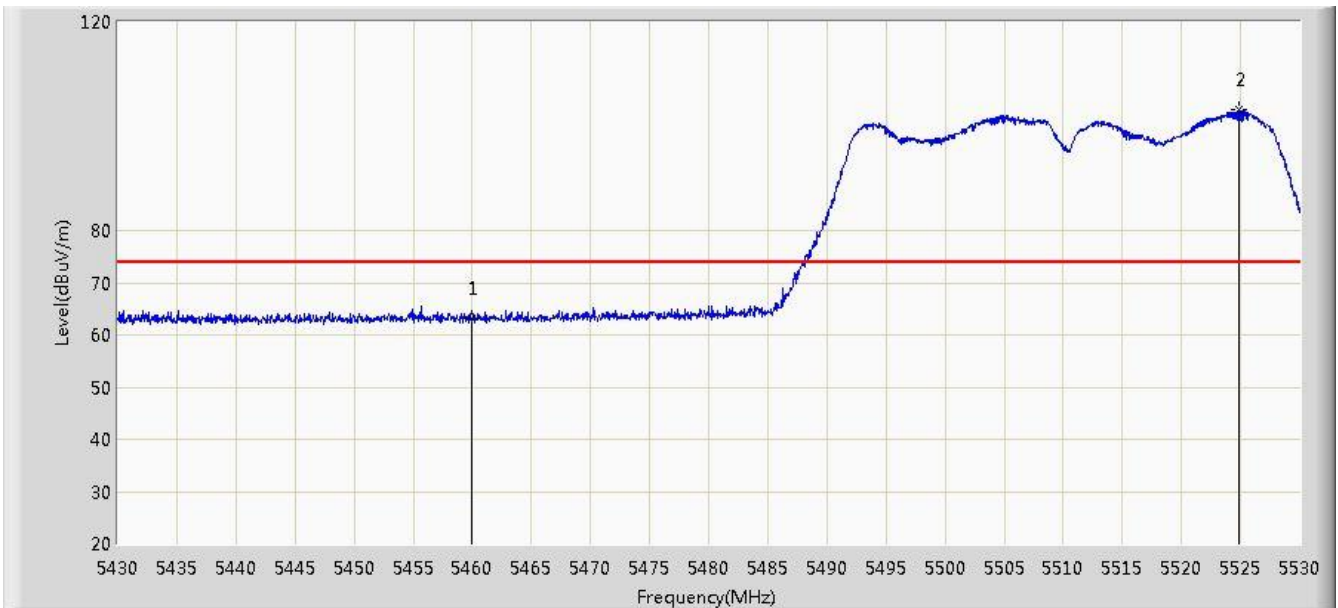


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.500	101.241	64.025	N/A	N/A	37.216	AV
2			5350.000	53.414	16.128	-0.586	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 13:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5510MHz by 802.11n-HT40 Ant 0+1+2+3	

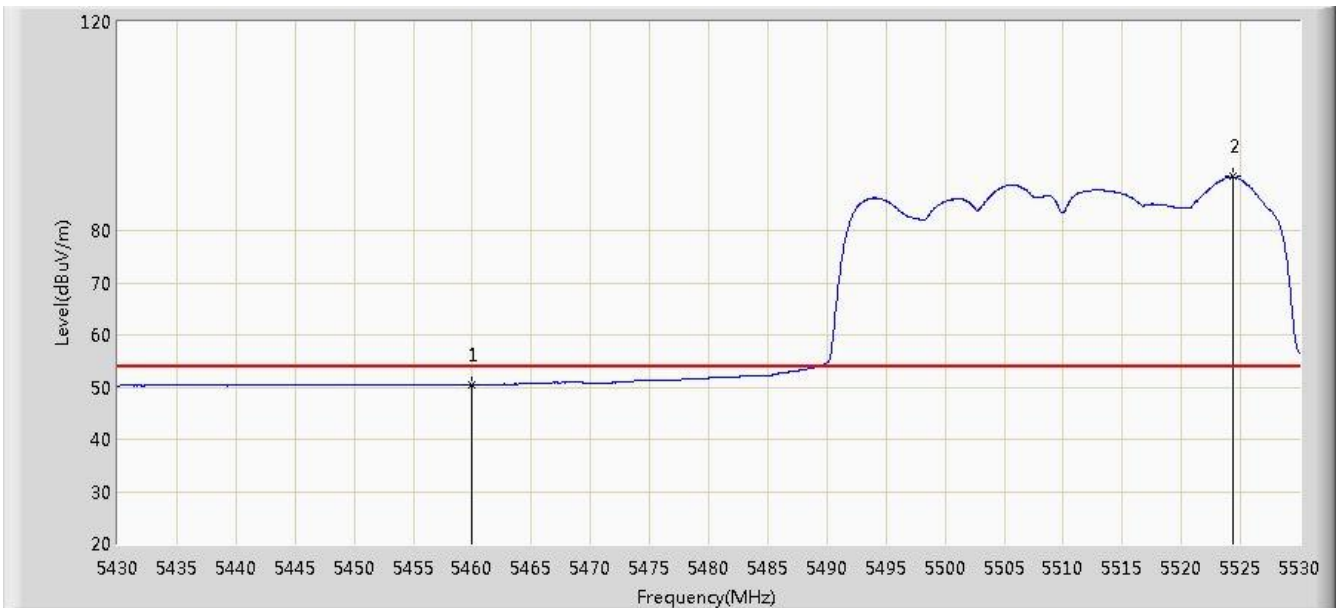


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	63.279	25.716	-10.721	74.000	37.563	PK
2		*	5524.900	103.118	65.463	N/A	N/A	37.655	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 13:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5510MHz by 802.11n-HT40 Ant 0+1+2+3	

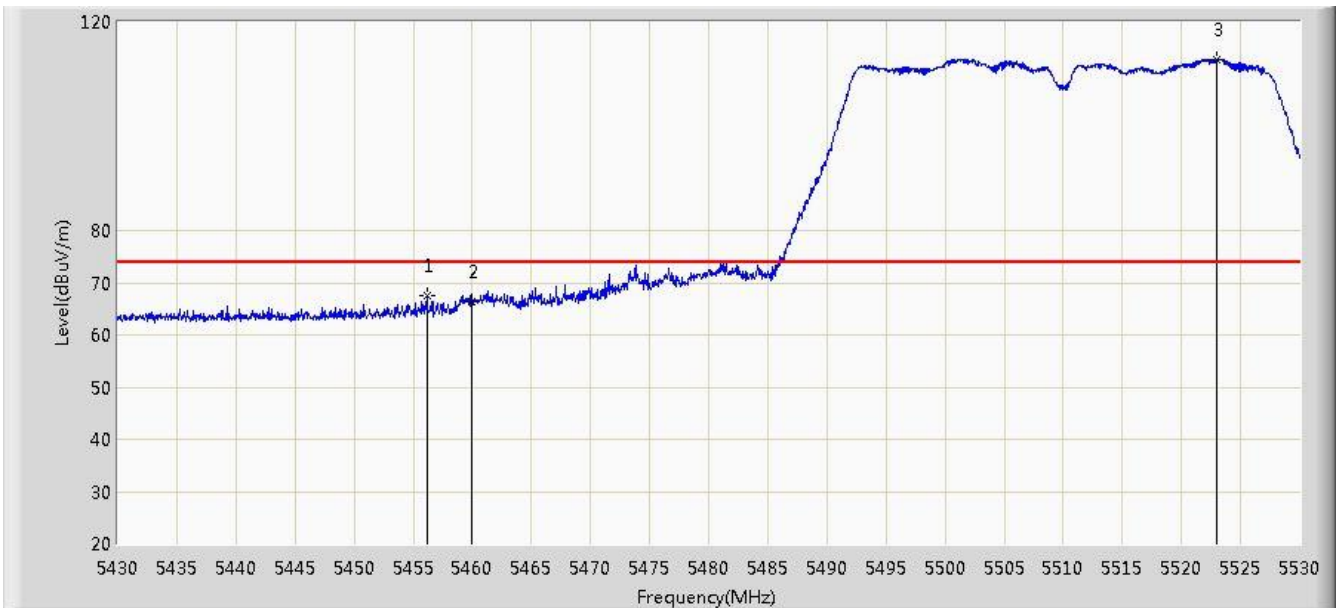


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.528	12.965	-3.472	54.000	37.563	AV
2		*	5524.300	90.346	52.692	N/A	N/A	37.653	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 13:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5510MHz by 802.11n-HT40 Ant 0+1+2+3	

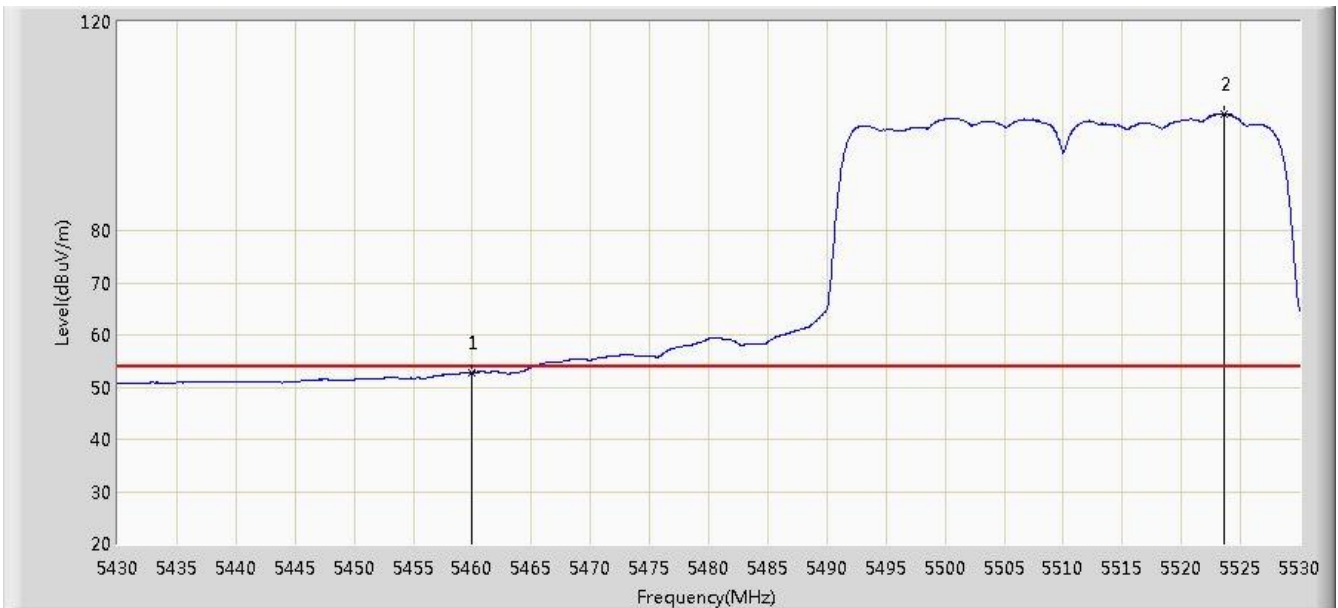


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5456.150	67.458	29.906	-6.542	74.000	37.552	PK
2			5460.000	66.322	28.759	-7.678	74.000	37.563	PK
3		*	5522.950	112.834	75.183	N/A	N/A	37.651	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 13:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5510MHz by 802.11n-HT40 Ant 0+1+2+3	

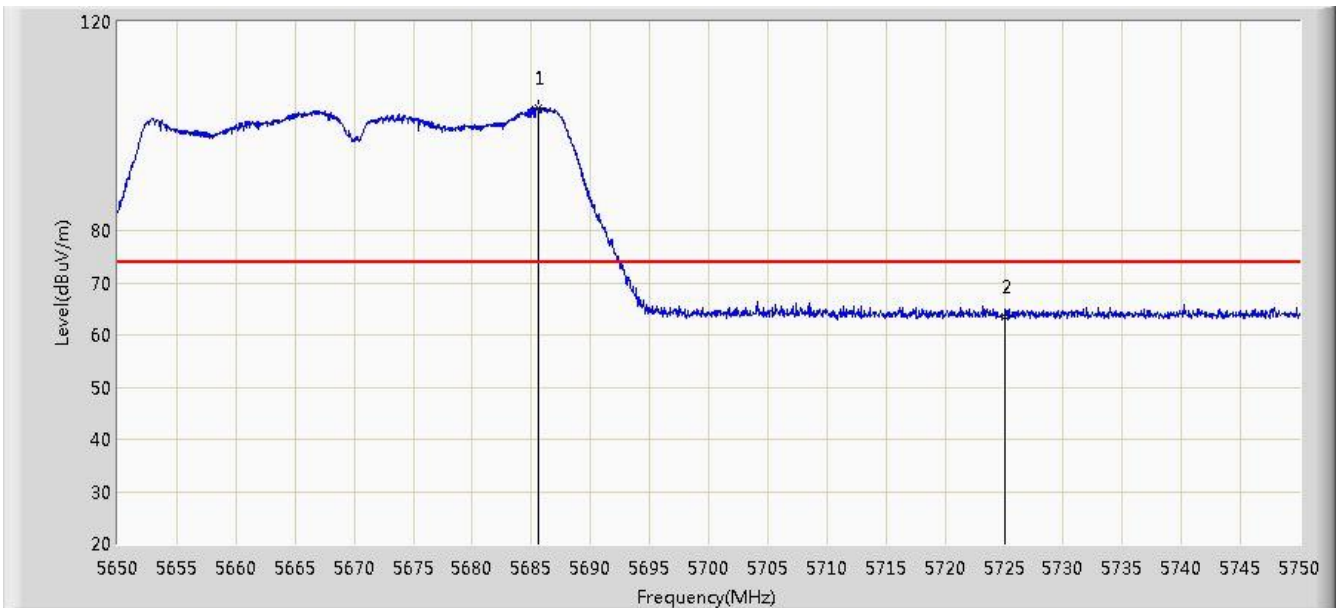


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	52.826	15.263	-1.174	54.000	37.563	AV
2		*	5523.550	102.288	64.636	N/A	N/A	37.653	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 13:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5670MHz by 802.11n-HT40 Ant 0+1+2+3	

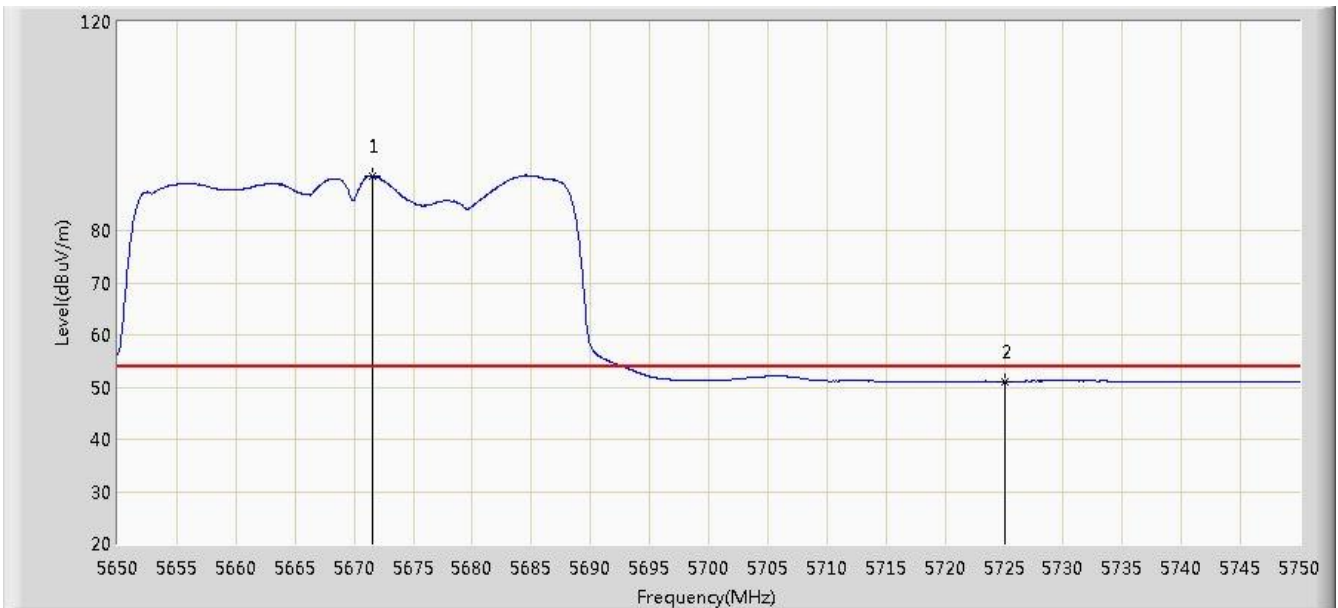


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5685.550	103.569	65.720	N/A	N/A	37.850	PK
2			5725.000	63.461	25.471	-10.539	74.000	37.990	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 13:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5670MHz by 802.11n-HT40 Ant 0+1+2+3	

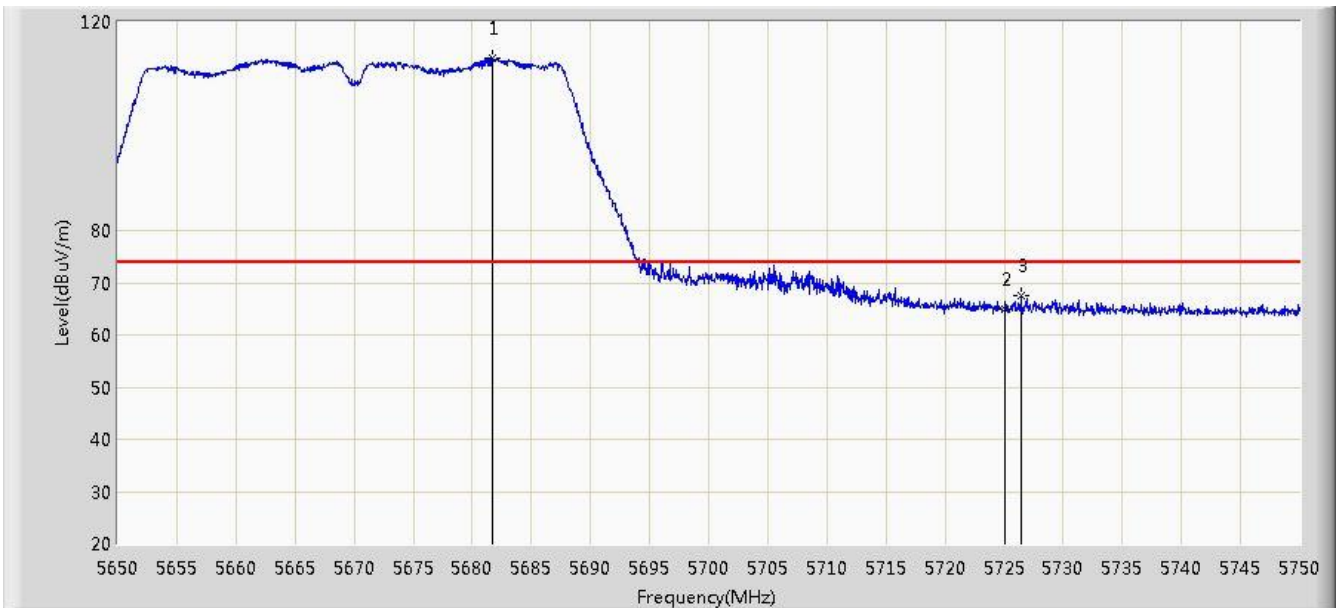


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5671.550	90.406	52.595	N/A	N/A	37.811	AV
2			5725.000	51.104	13.114	-2.896	54.000	37.990	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 14:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5670MHz by 802.11n-HT40 Ant 0+1+2+3	

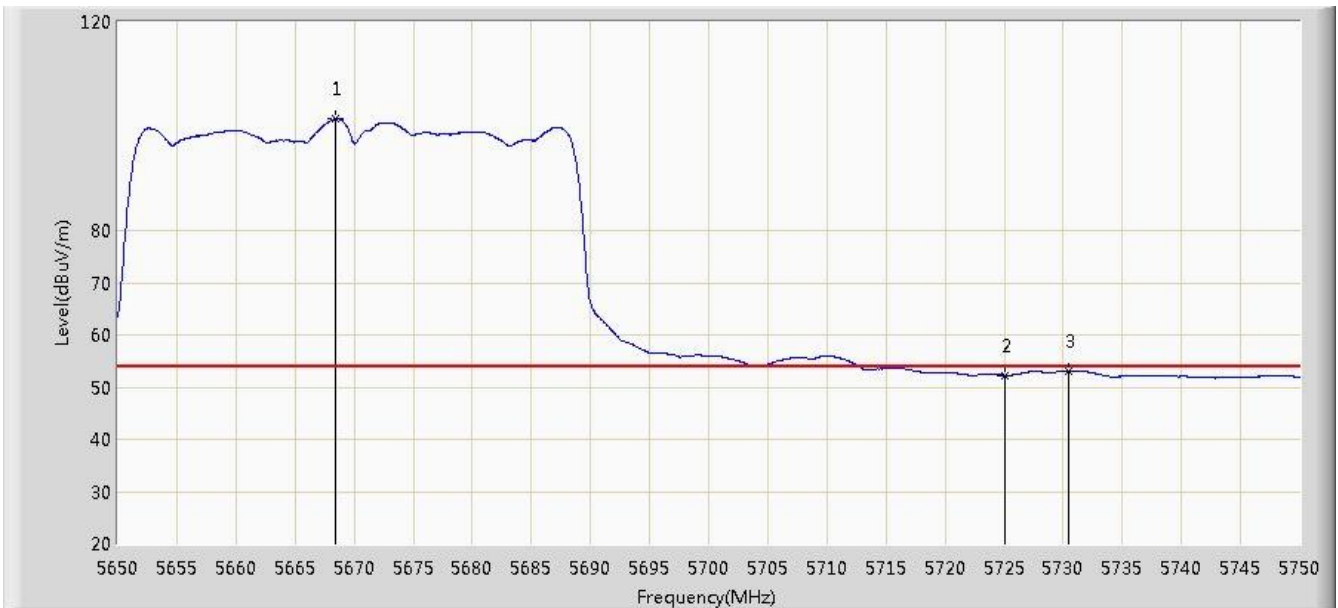


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5681.650	112.941	75.104	N/A	N/A	37.837	PK
2			5725.000	65.068	27.078	-8.932	74.000	37.990	PK
3			5726.450	67.545	29.549	-6.455	74.000	37.995	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 14:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5670MHz by 802.11n-HT40 Ant 0+1+2+3	

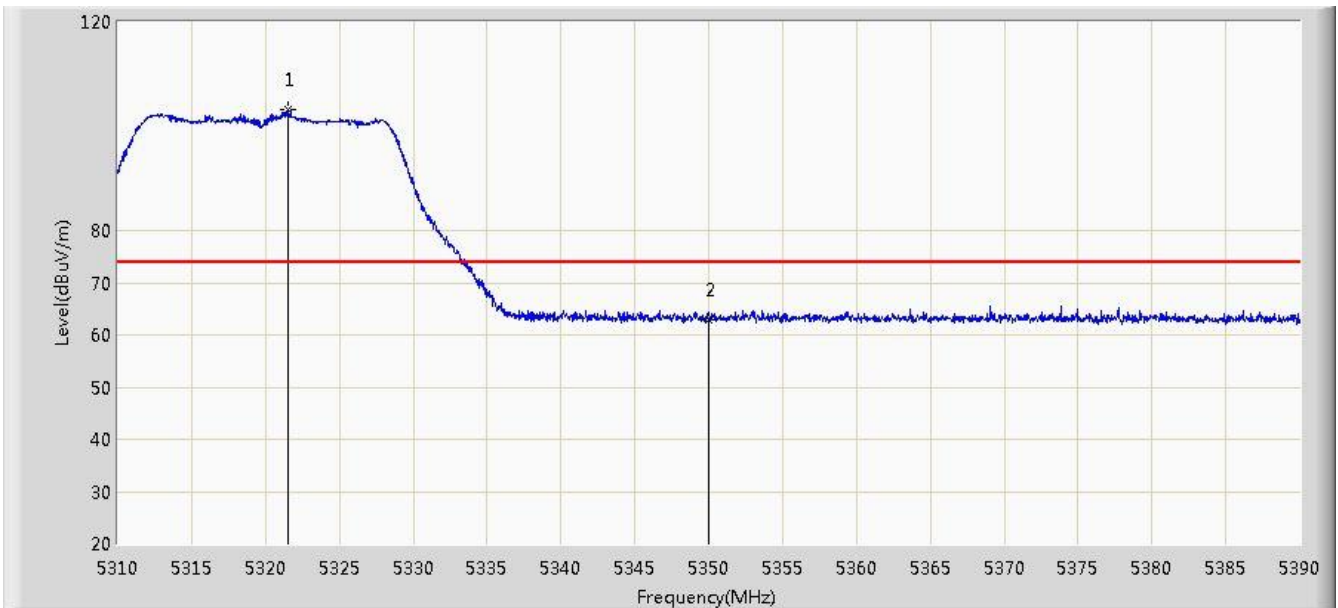


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5668.450	101.401	63.594	N/A	N/A	37.808	AV
2			5725.000	52.207	14.217	-1.793	54.000	37.990	AV
3			5730.500	53.169	15.157	-0.831	54.000	38.012	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 14:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5320MHz by 802.11ac-VHT20 Ant 0+1+2+3	

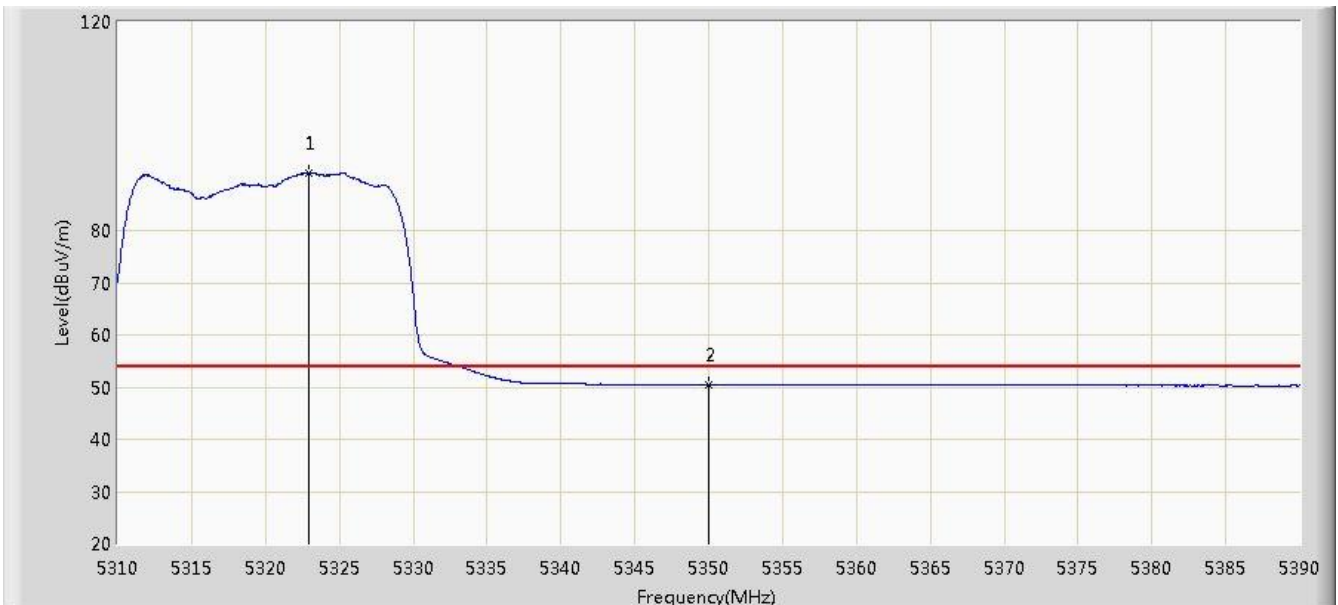


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.560	103.291	66.075	N/A	N/A	37.217	PK
2			5350.000	62.997	25.711	-11.003	74.000	37.286	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 14:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5320MHz by 802.11ac-VHT20 Ant 0+1+2+3	

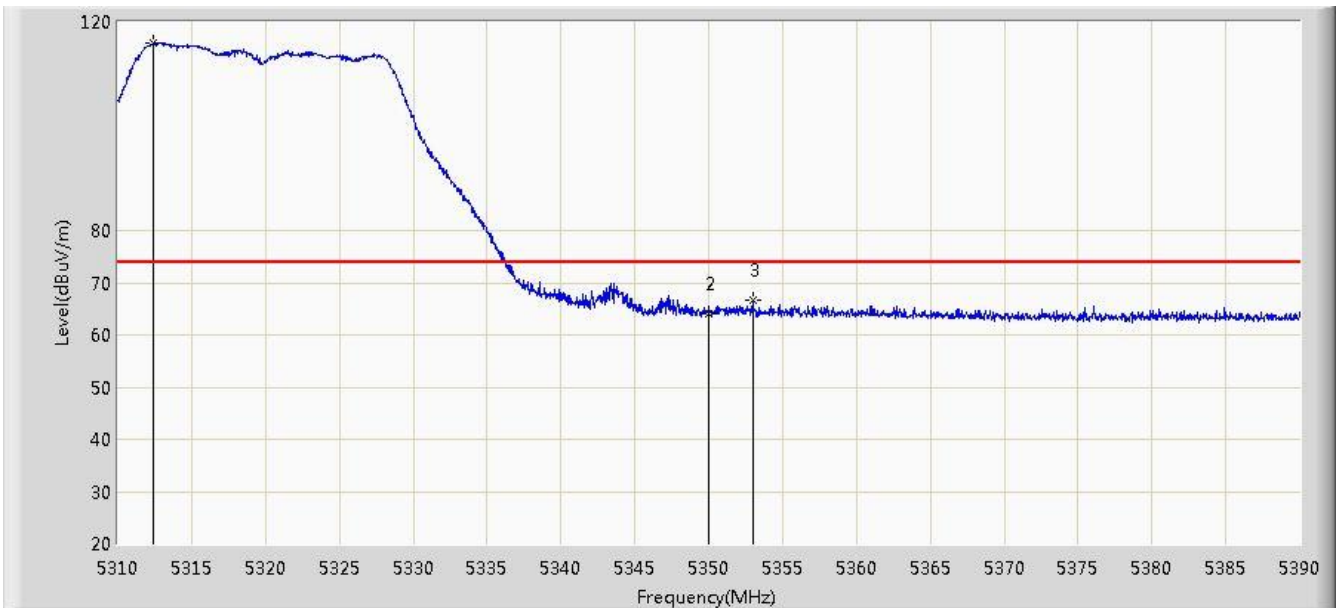


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.920	91.060	53.841	N/A	N/A	37.219	AV
2			5350.000	50.481	13.195	-3.519	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 14:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5320MHz by 802.11ac-VHT20 Ant 0+1+2+3	

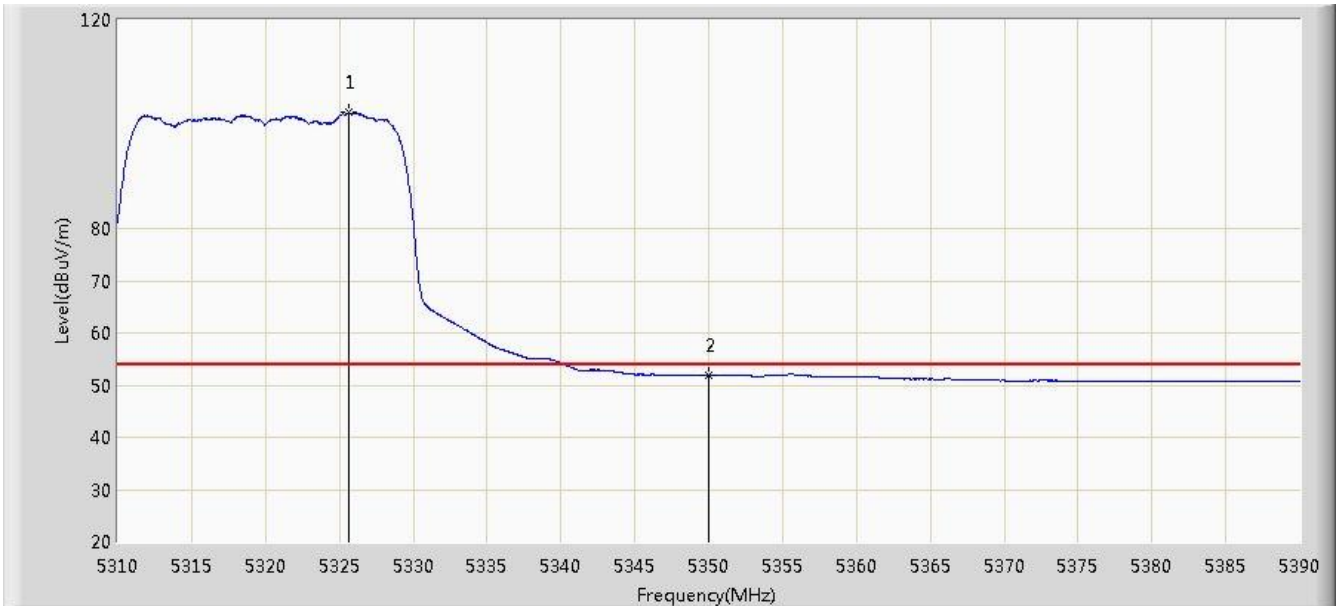


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5312.440	115.810	78.609	N/A	N/A	37.201	PK
2			5350.000	63.931	26.645	-10.069	74.000	37.286	PK
3			5352.960	66.593	29.298	-7.407	74.000	37.295	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 14:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5320MHz by 802.11ac-VHT20 Ant 0+1+2+3	

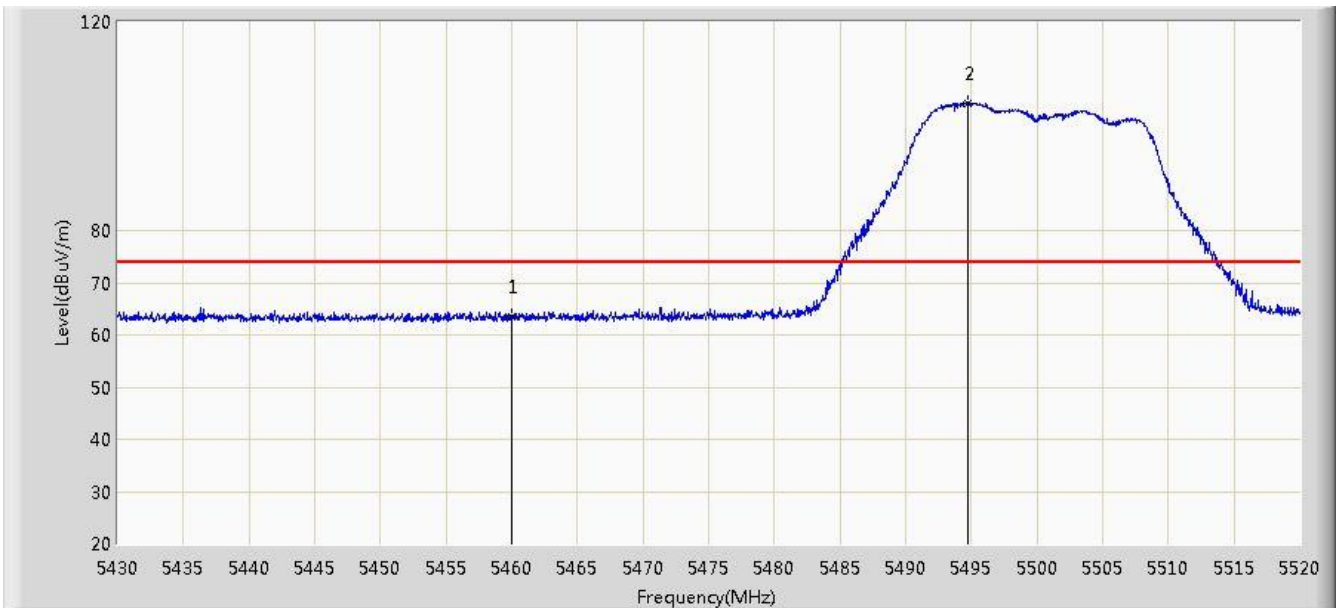


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5325.680	102.174	64.950	N/A	N/A	37.224	AV
2			5350.000	51.883	14.597	-2.117	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 14:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5500MHz by 802.11ac-VHT20 Ant 0+1+2+3	

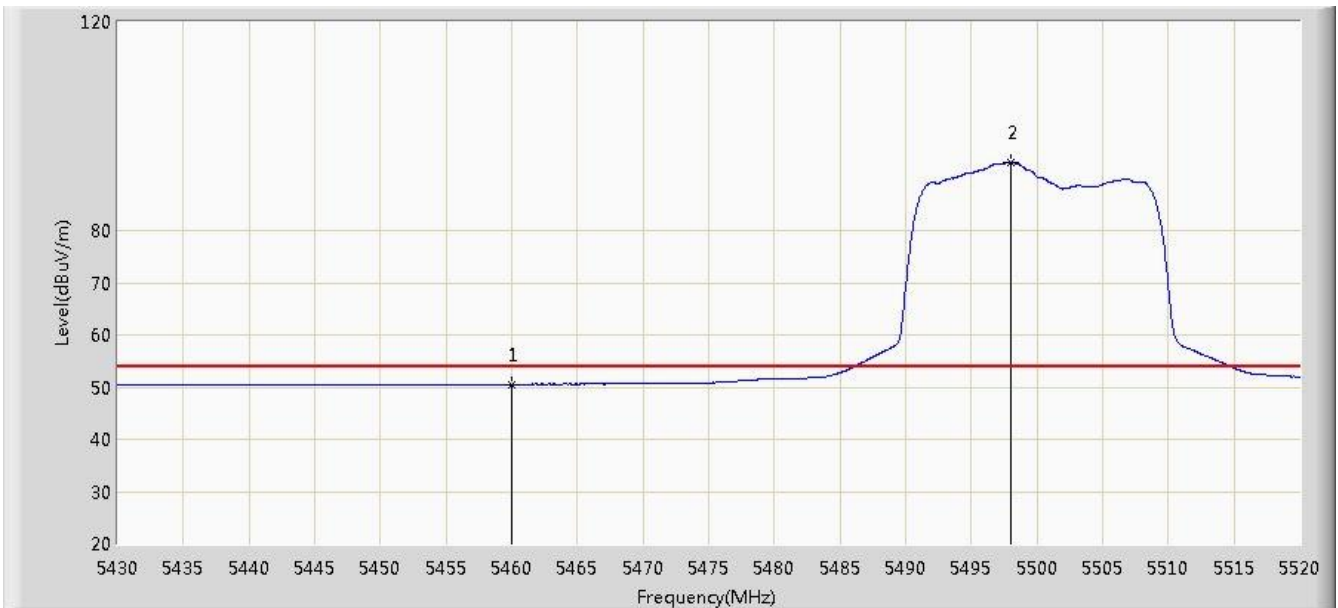


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	63.336	25.773	-10.664	74.000	37.563	PK
2		*	5494.755	104.350	66.731	N/A	N/A	37.618	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 14:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5500MHz by 802.11ac-VHT20 Ant 0+1+2+3	

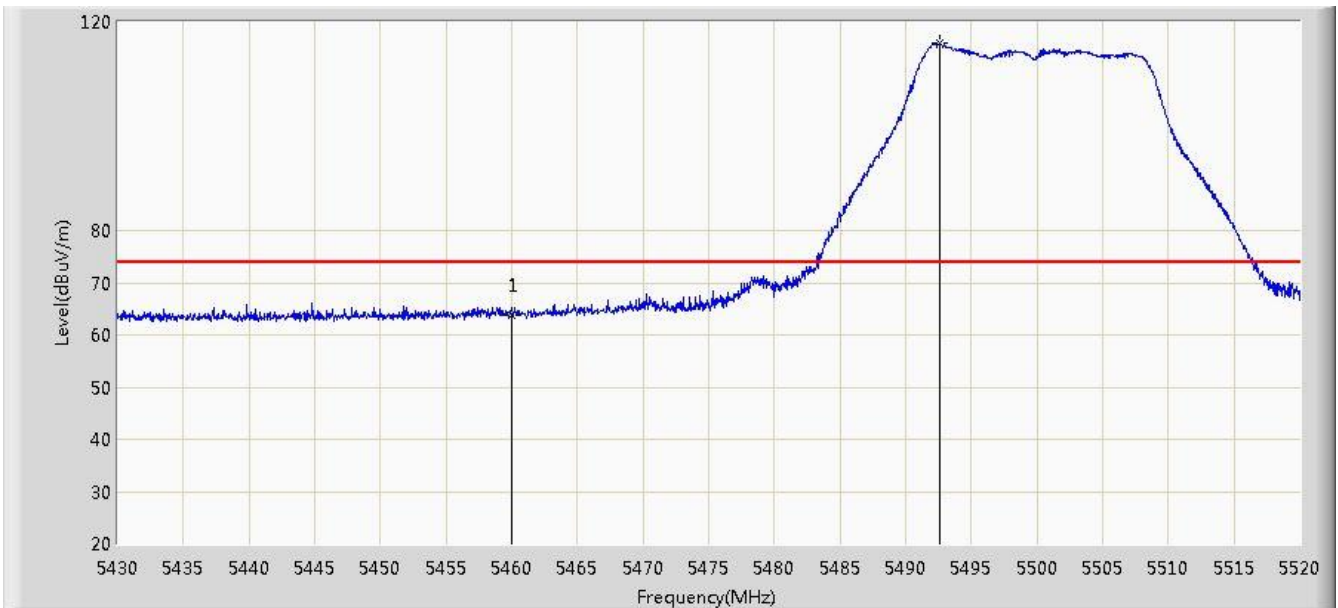


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.555	12.992	-3.445	54.000	37.563	AV
2		*	5497.995	92.954	55.332	N/A	N/A	37.623	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 14:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5500MHz by 802.11ac-VHT20 Ant 0+1+2+3	

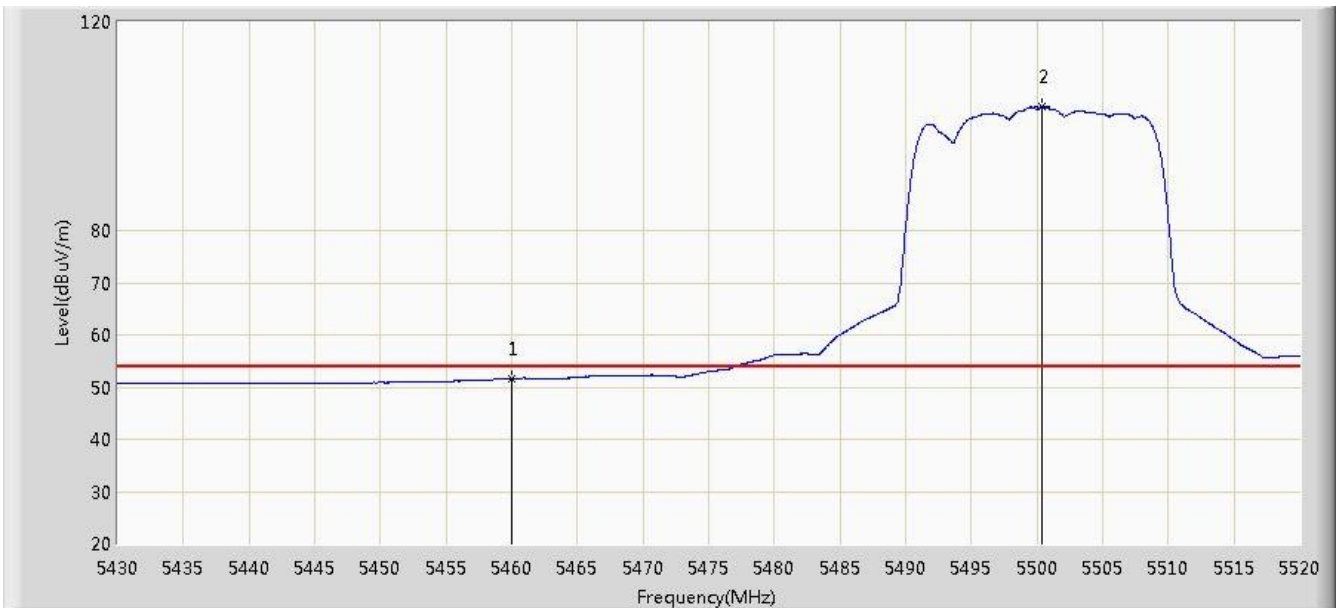


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	63.713	26.150	-10.287	74.000	37.563	PK
2		*	5492.550	115.821	78.205	N/A	N/A	37.616	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 14:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5500MHz by 802.11ac-VHT20 Ant 0+1+2+3	

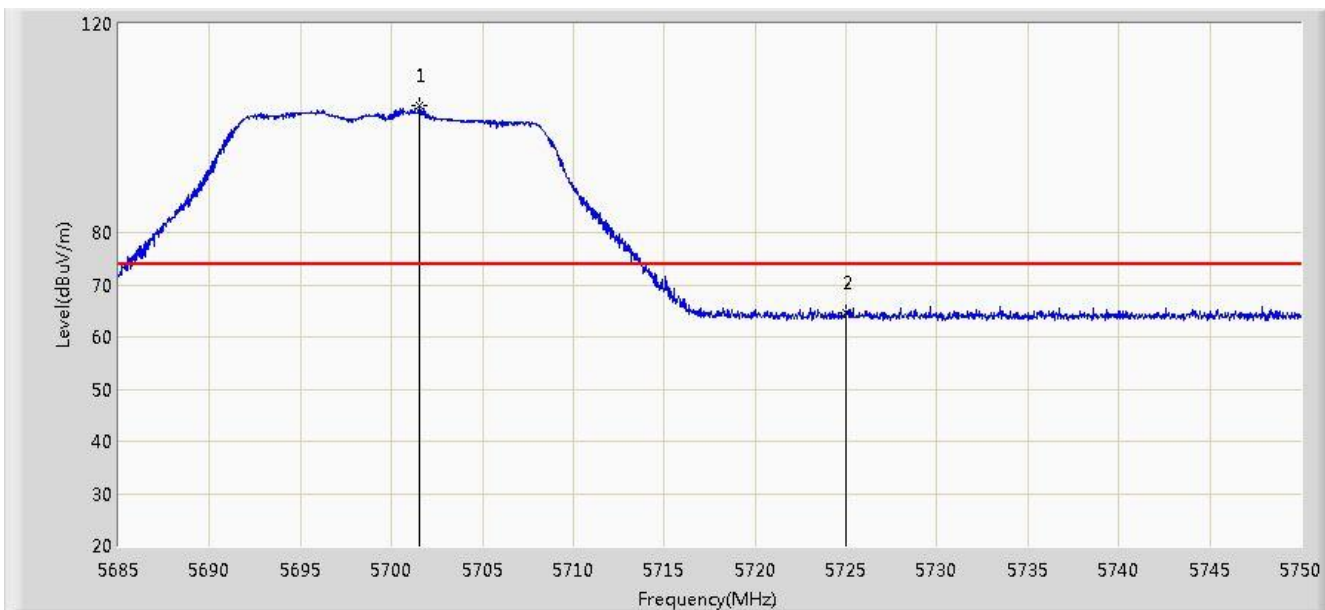


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	51.676	14.113	-2.324	54.000	37.563	AV
2		*	5500.335	103.720	66.095	N/A	N/A	37.625	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 14:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5700MHz by 802.11ac-VHT20 Ant 0+1+2+3	

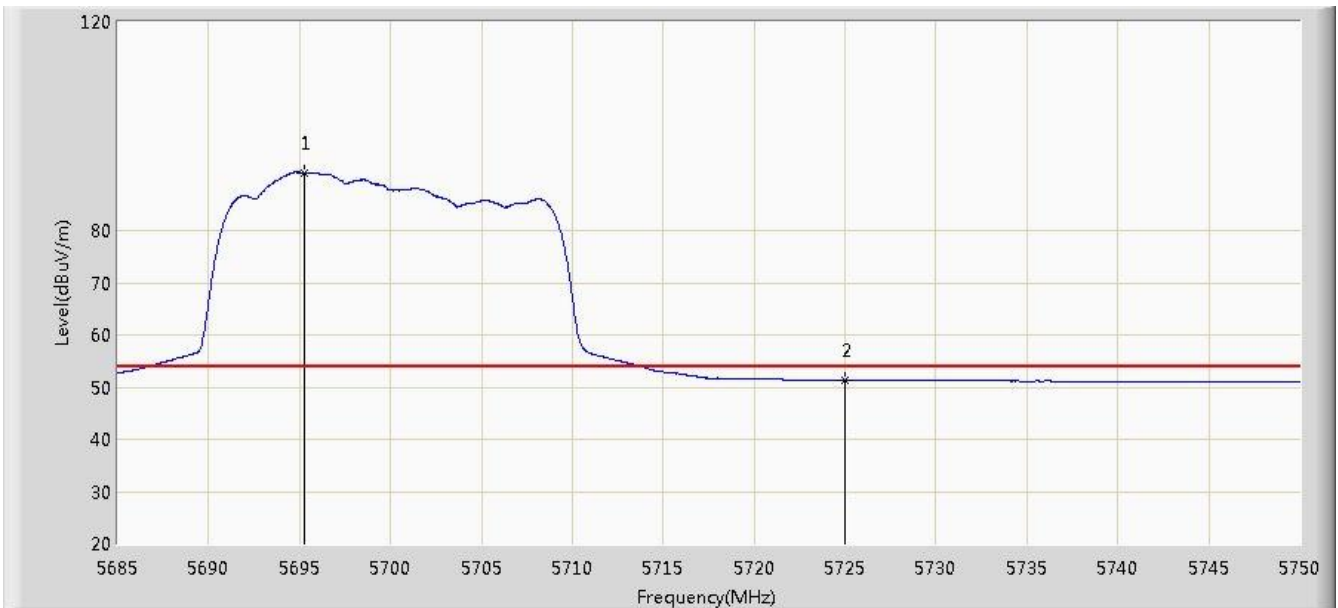


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5701.510	104.247	66.351	N/A	N/A	37.895	PK
2			5725.000	64.693	26.703	-9.307	74.000	37.990	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 14:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5700MHz by 802.11ac-VHT20 Ant 0+1+2+3	

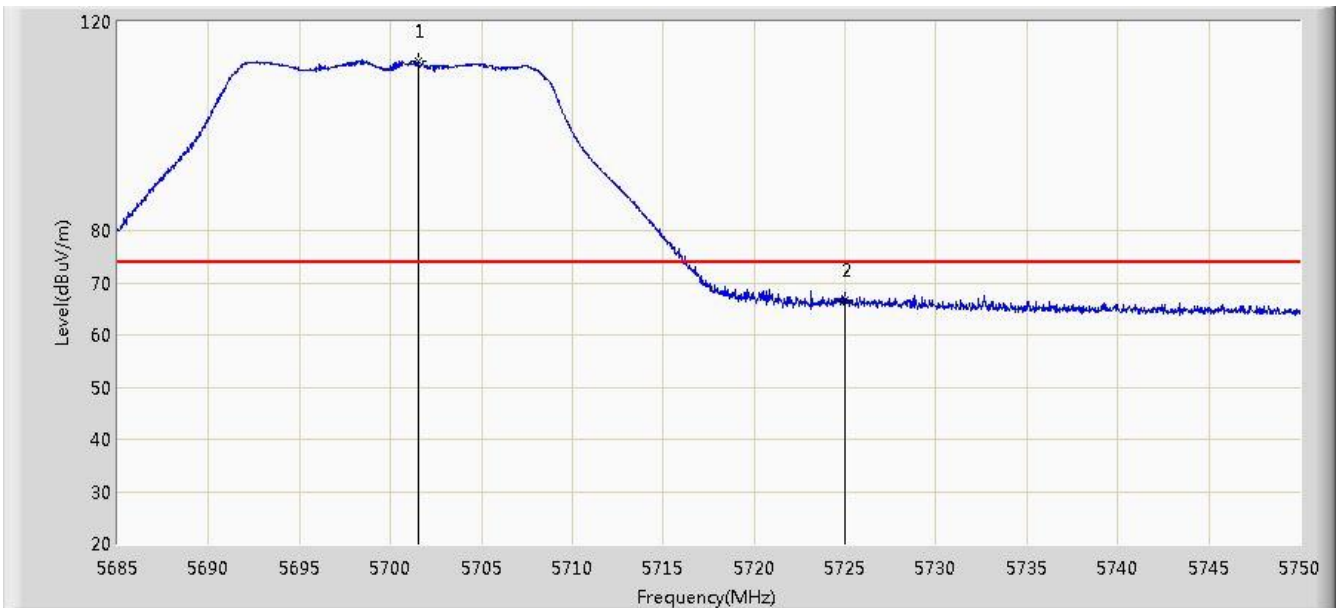


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5695.270	91.059	53.179	N/A	N/A	37.881	AV
2			5725.000	51.283	13.293	-2.717	54.000	37.990	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 14:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5700MHz by 802.11ac-VHT20 Ant 0+1+2+3	

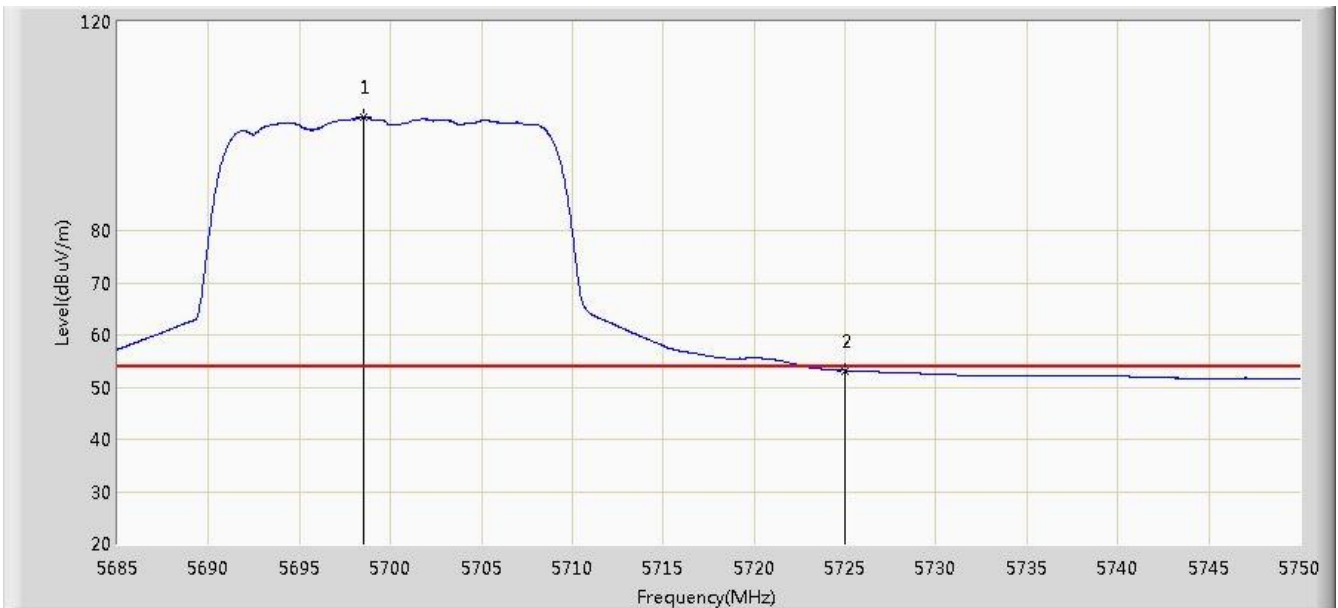


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5701.510	112.537	74.641	N/A	N/A	37.895	PK
2			5725.000	66.700	28.710	-7.300	74.000	37.990	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 14:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5700MHz by 802.11ac-VHT20 Ant 0+1+2+3	

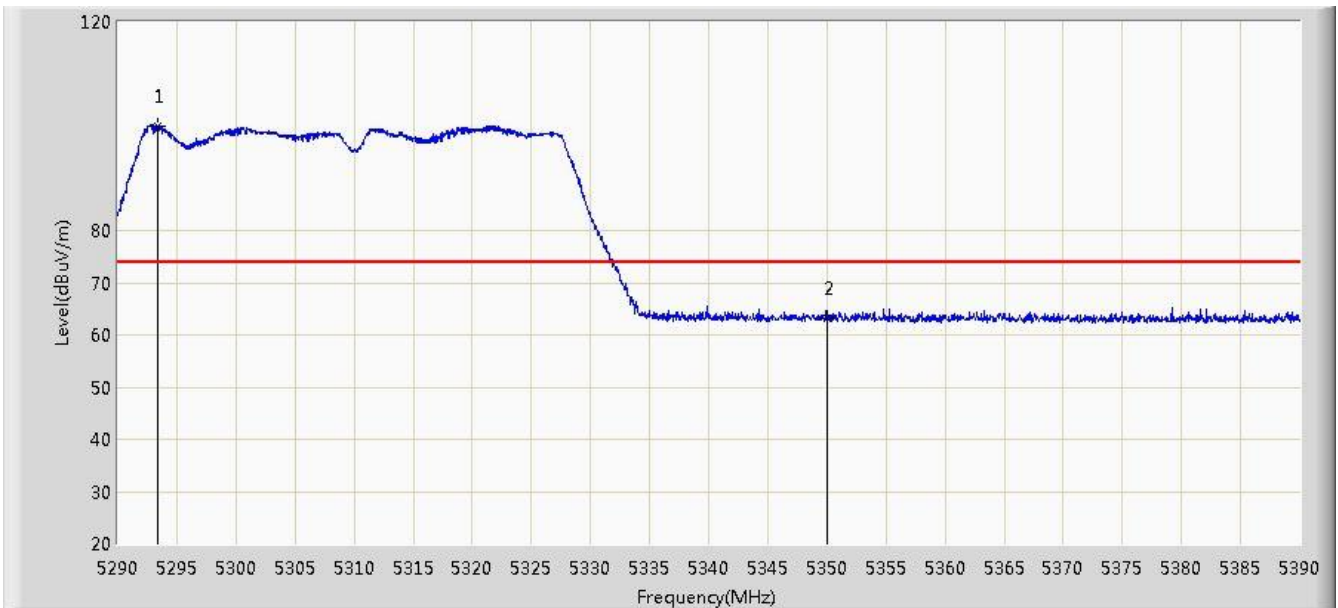


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5698.520	101.745	63.857	N/A	N/A	37.888	AV
2			5725.000	53.188	15.198	-0.812	54.000	37.990	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 15:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5310MHz by 802.11ac-VHT40 Ant 0+1+2+3	

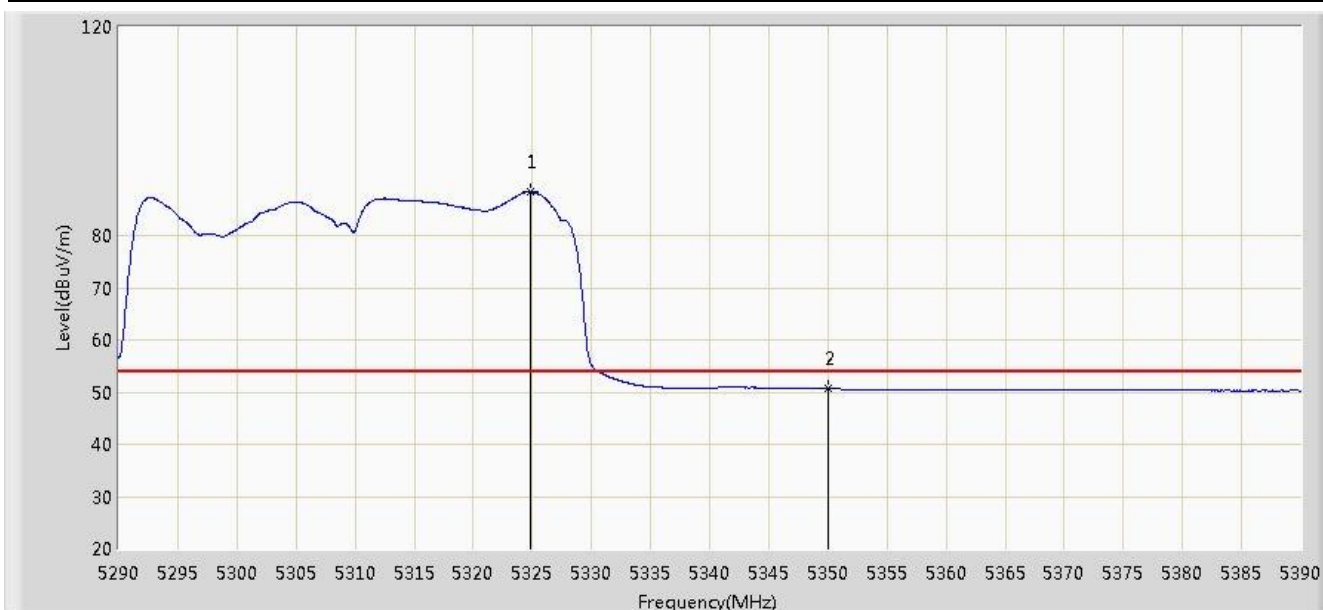


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5293.400	100.002	62.823	N/A	N/A	37.179	PK
2			5350.000	63.260	25.974	-10.740	74.000	37.286	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 15:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5310MHz by 802.11ac-VHT40 Ant 0+1+2+3	

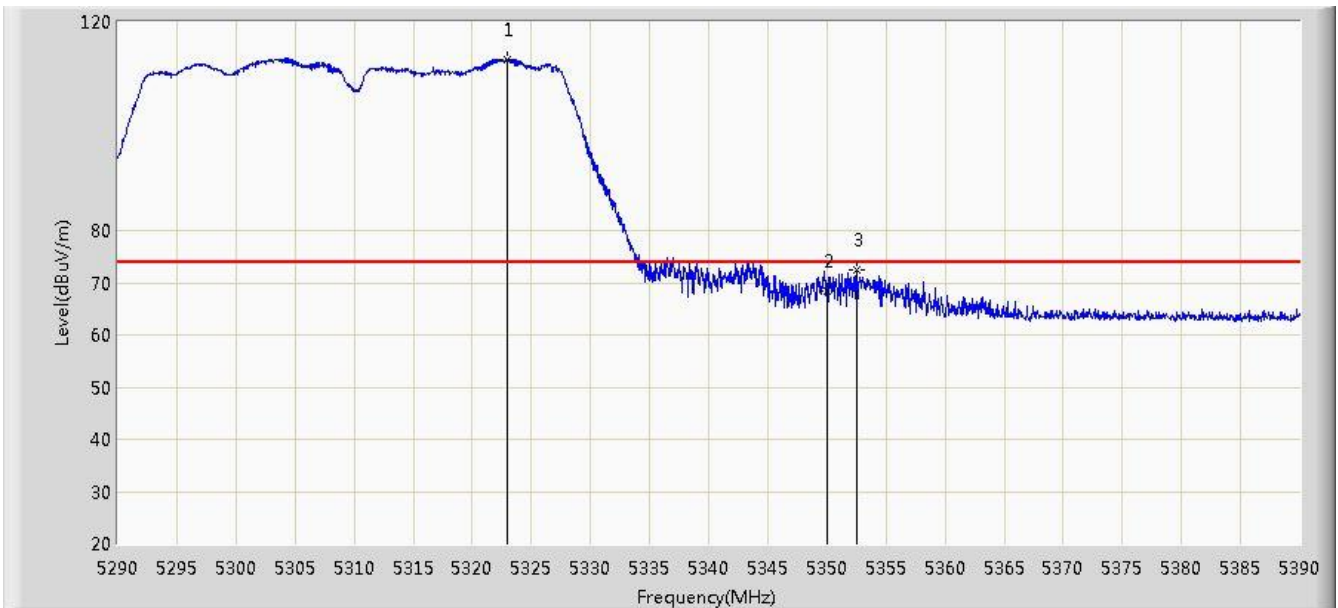


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5324.800	88.390	51.168	N/A	N/A	37.222	AV
2			5350.000	50.620	13.334	-3.380	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 15:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5310MHz by 802.11ac-VHT40 Ant 0+1+2+3	

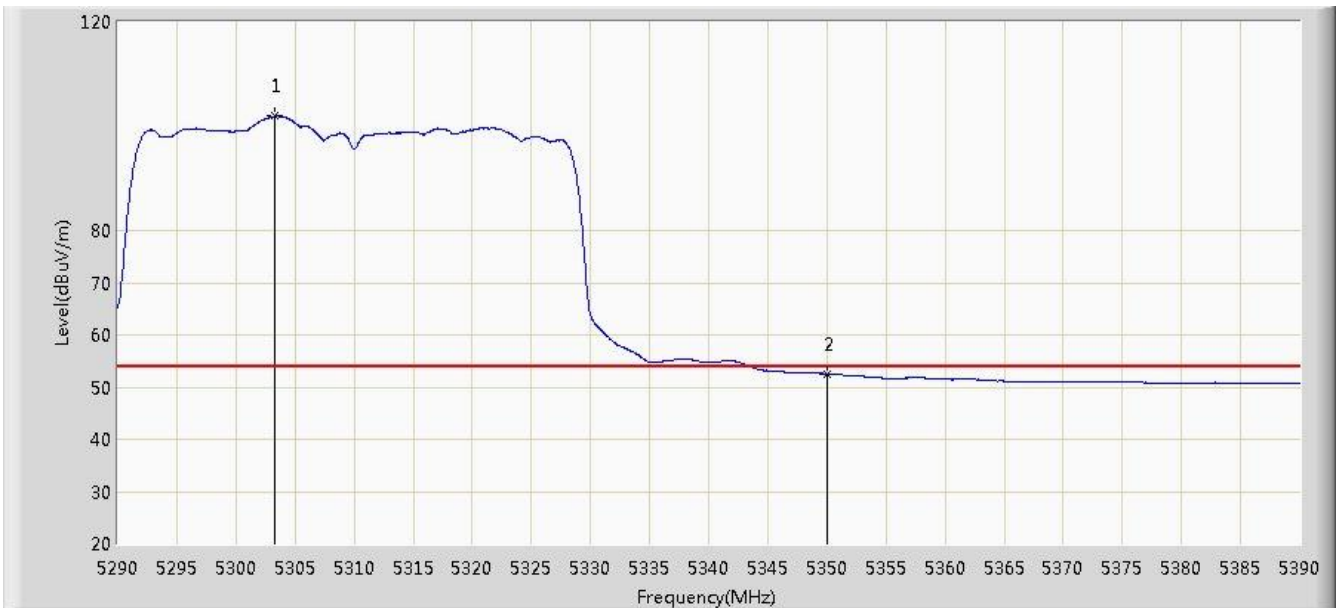


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.950	112.747	75.528	N/A	N/A	37.219	PK
2			5350.000	68.478	31.192	-5.522	74.000	37.286	PK
3			5352.500	72.556	35.262	-1.444	74.000	37.294	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 15:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5310MHz by 802.11ac-VHT40 Ant 0+1+2+3	

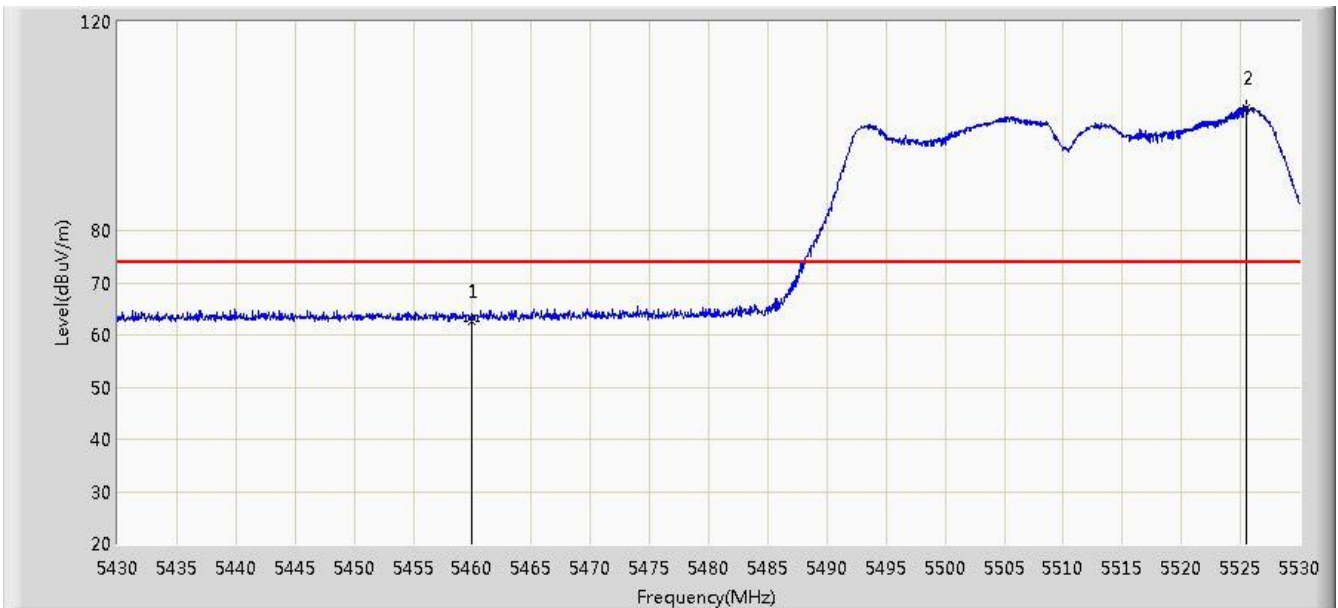


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5303.300	101.888	64.698	N/A	N/A	37.190	AV
2			5350.000	52.570	15.284	-1.430	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 15:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5510MHz by 802.11ac-VHT40 Ant 0+1+2+3	

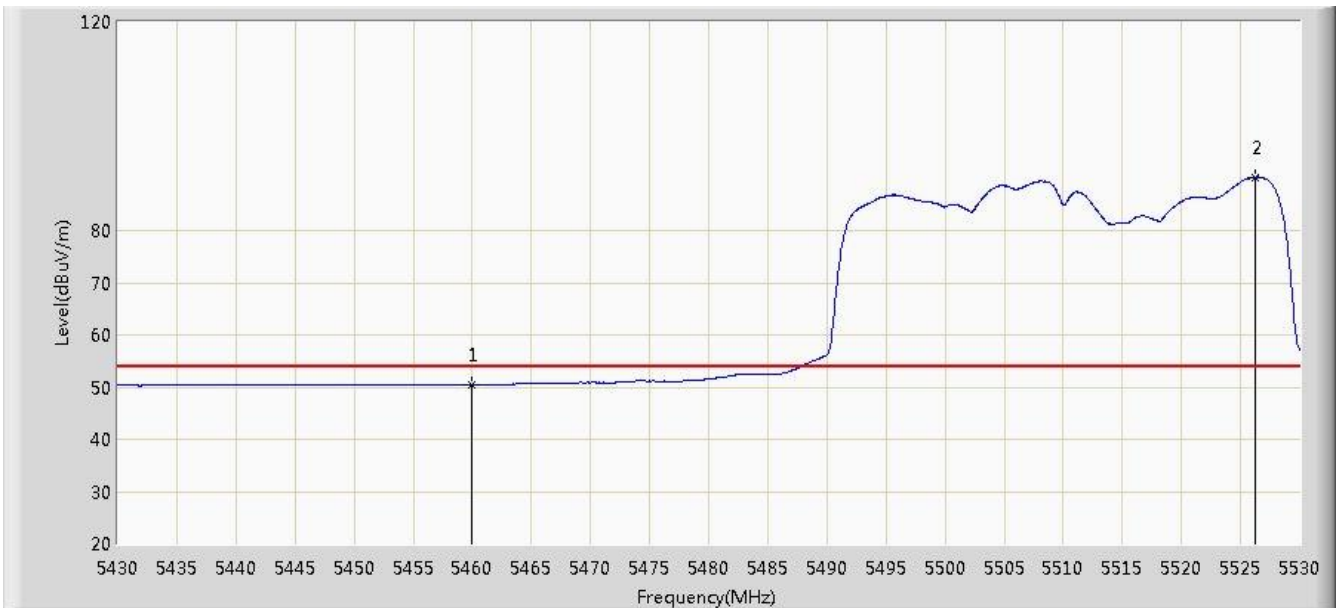


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	62.667	25.104	-11.333	74.000	37.563	PK
2		*	5525.450	103.523	65.867	N/A	N/A	37.657	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 15:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5510MHz by 802.11ac-VHT40 Ant 0+1+2+3	

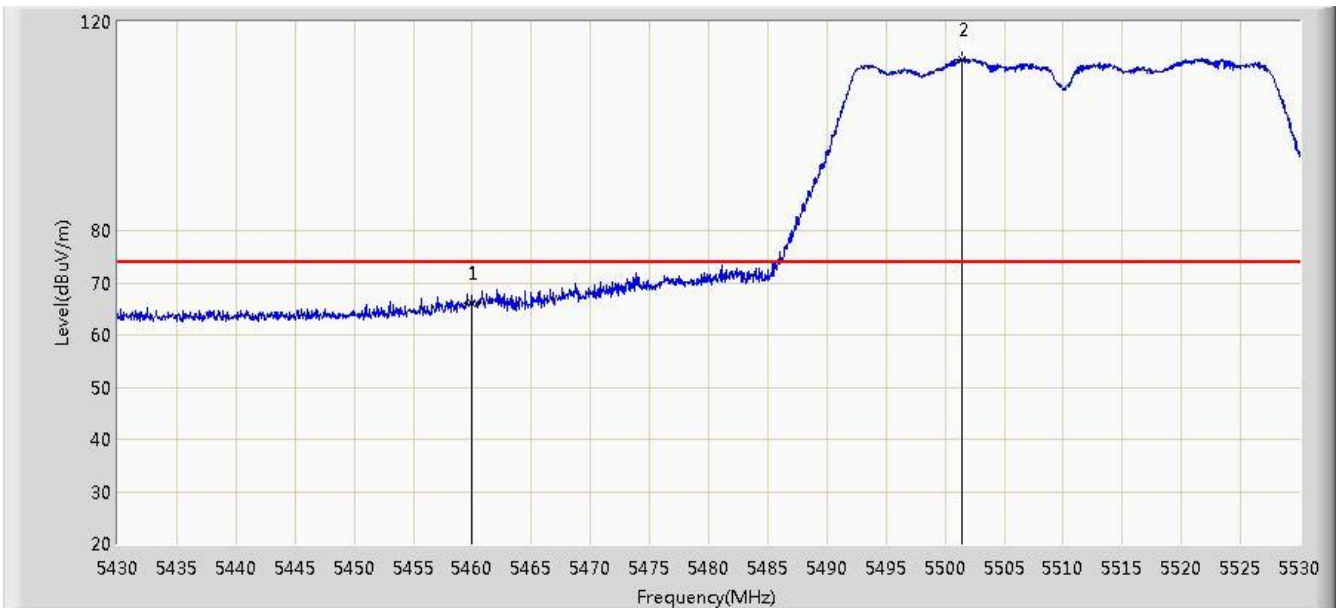


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.514	12.951	-3.486	54.000	37.563	AV
2		*	5526.200	90.181	52.523	N/A	N/A	37.657	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 15:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5510MHz by 802.11ac-VHT40 Ant 0+1+2+3	

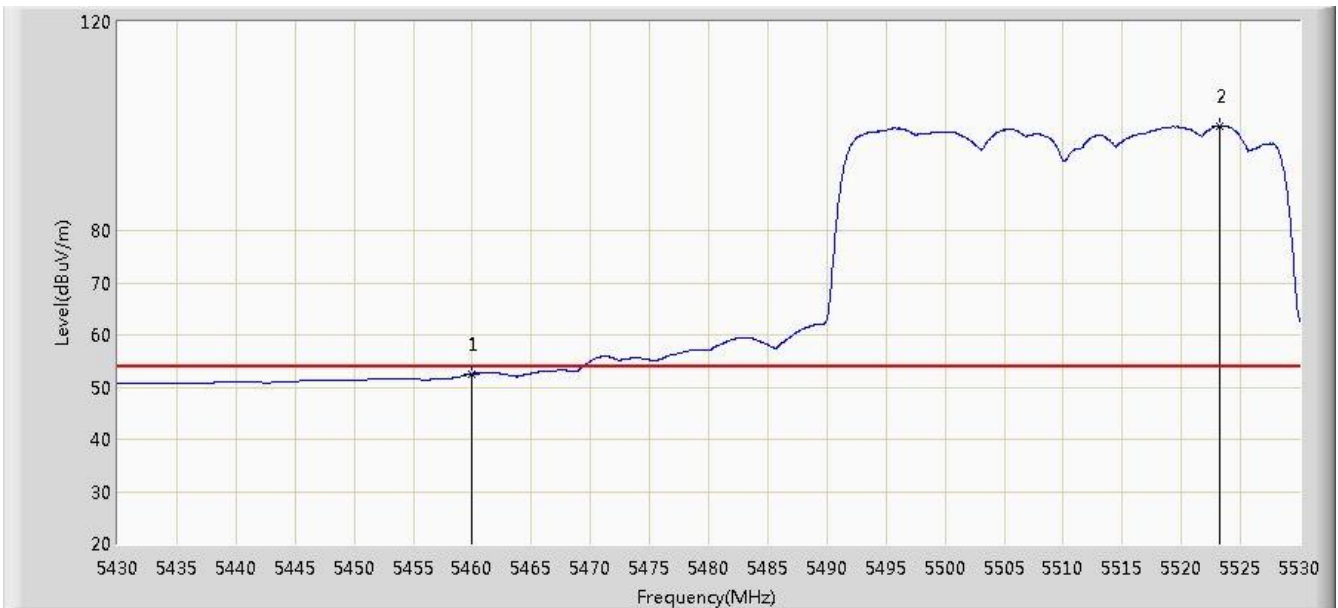


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	66.000	28.437	-8.000	74.000	37.563	PK
2		*	5501.400	112.772	75.146	N/A	N/A	37.626	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 15:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5510MHz by 802.11ac-VHT40 Ant 0+1+2+3	

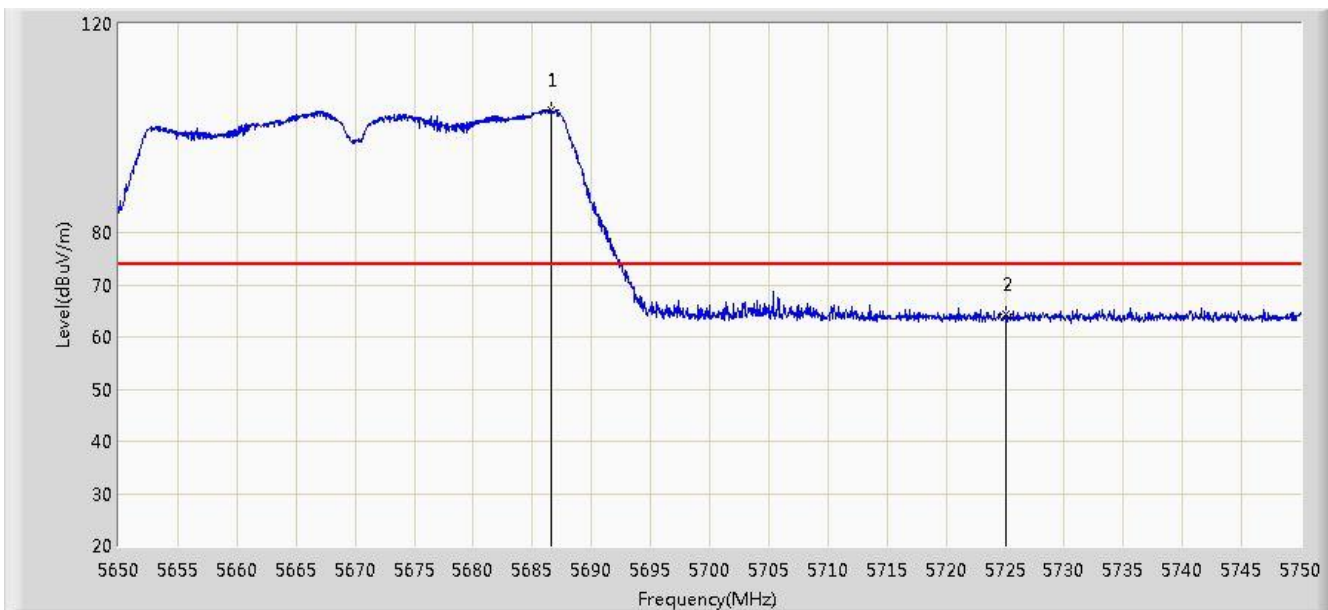


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	52.550	14.987	-1.450	54.000	37.563	AV
2		*	5523.250	100.134	62.482	N/A	N/A	37.651	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 15:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5670MHz by 802.11ac-VHT40 Ant 0+1+2+3	

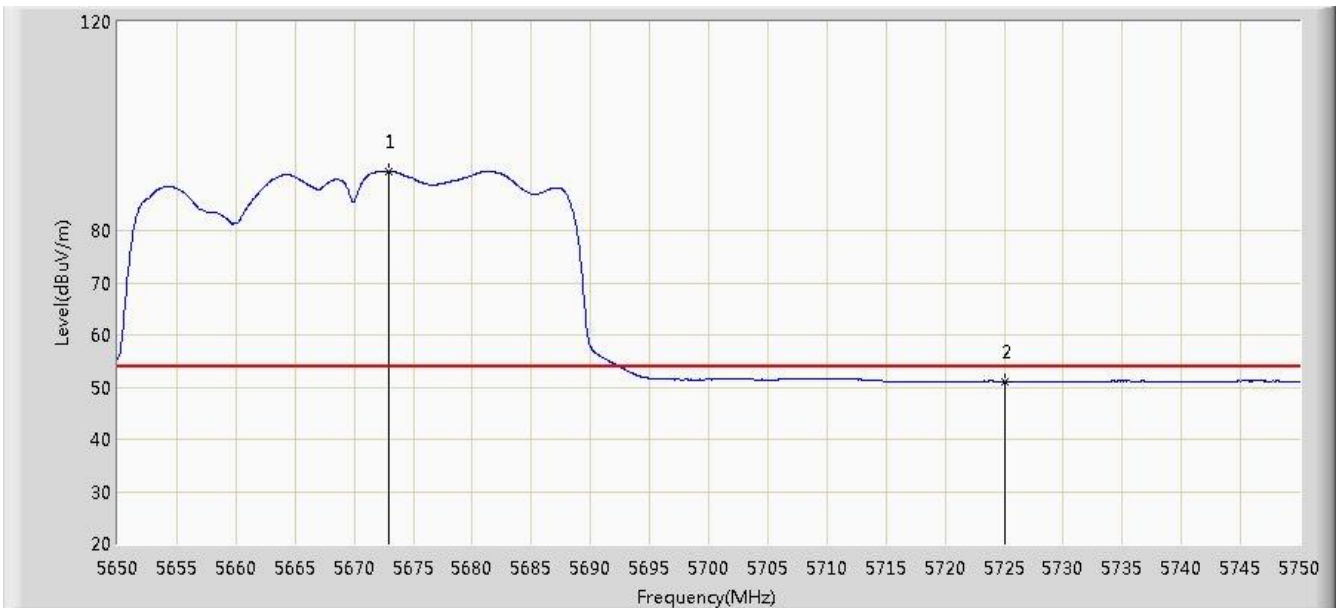


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5686.650	103.604	65.751	N/A	N/A	37.854	PK
2			5725.000	64.277	26.287	-9.723	74.000	37.990	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 15:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5670MHz by 802.11ac-VHT40 Ant 0+1+2+3	

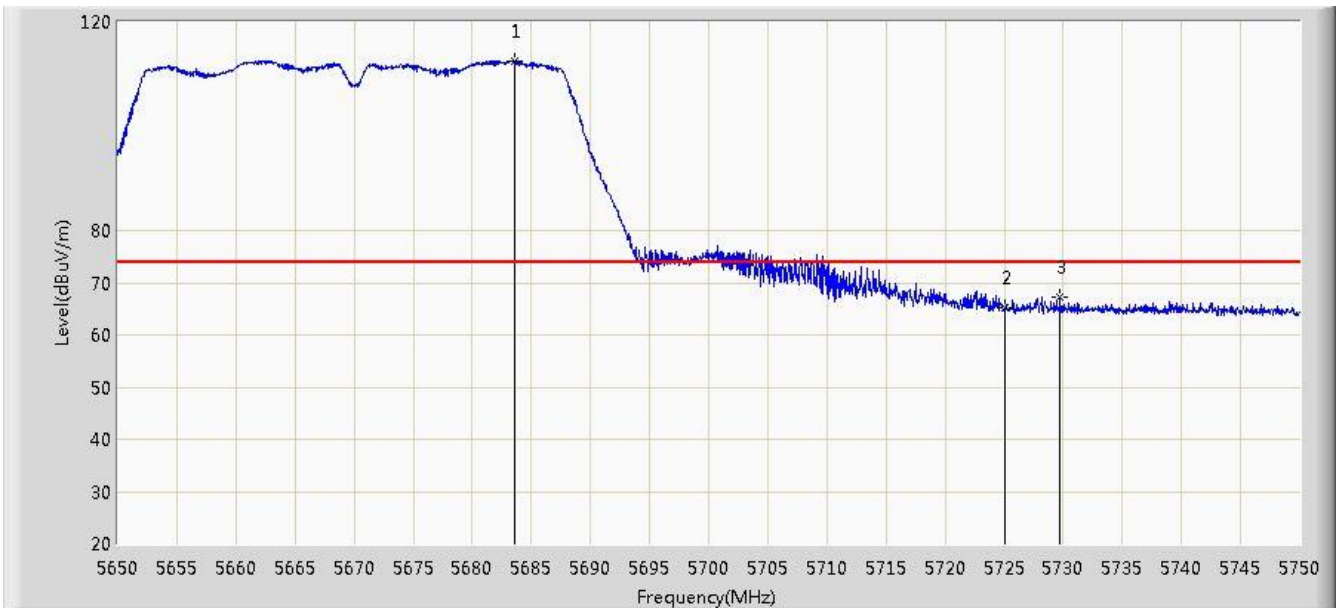


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5672.950	91.310	53.497	N/A	N/A	37.814	AV
2			5725.000	51.121	13.131	-2.879	54.000	37.990	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 15:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5670MHz by 802.11ac-VHT40 Ant 0+1+2+3	

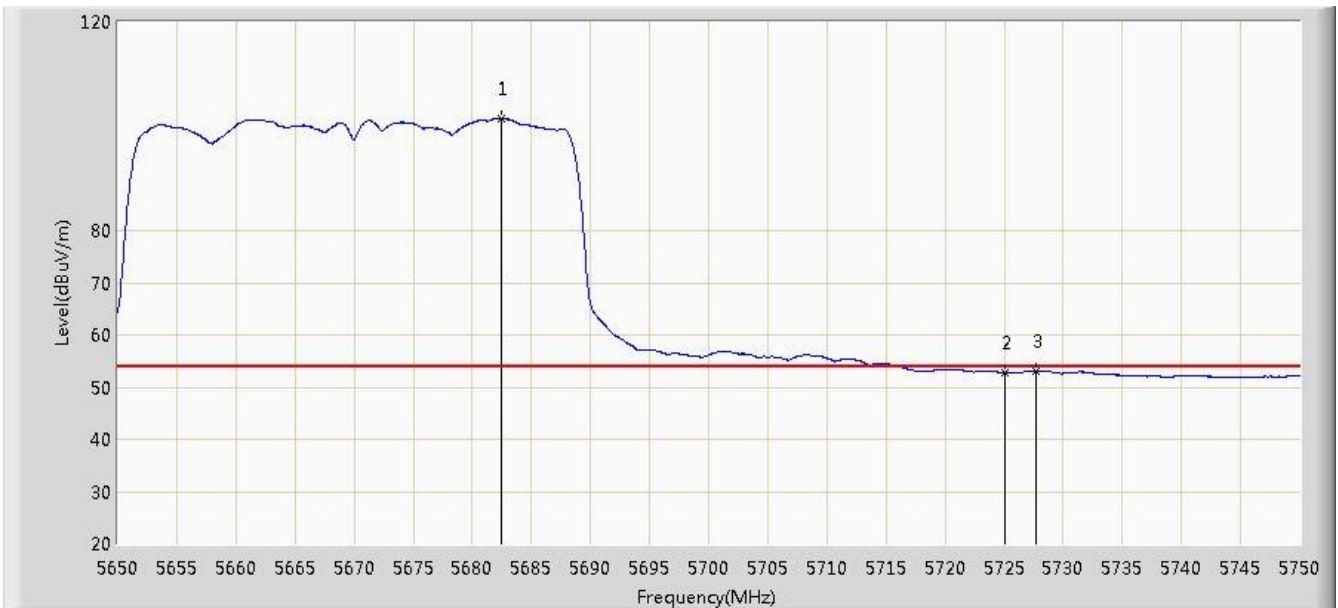


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5683.550	112.579	74.736	N/A	N/A	37.843	PK
2			5725.000	65.314	27.324	-8.686	74.000	37.990	PK
3			5729.750	67.264	29.255	-6.736	74.000	38.009	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 15:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5670MHz by 802.11ac-VHT40 Ant 0+1+2+3	

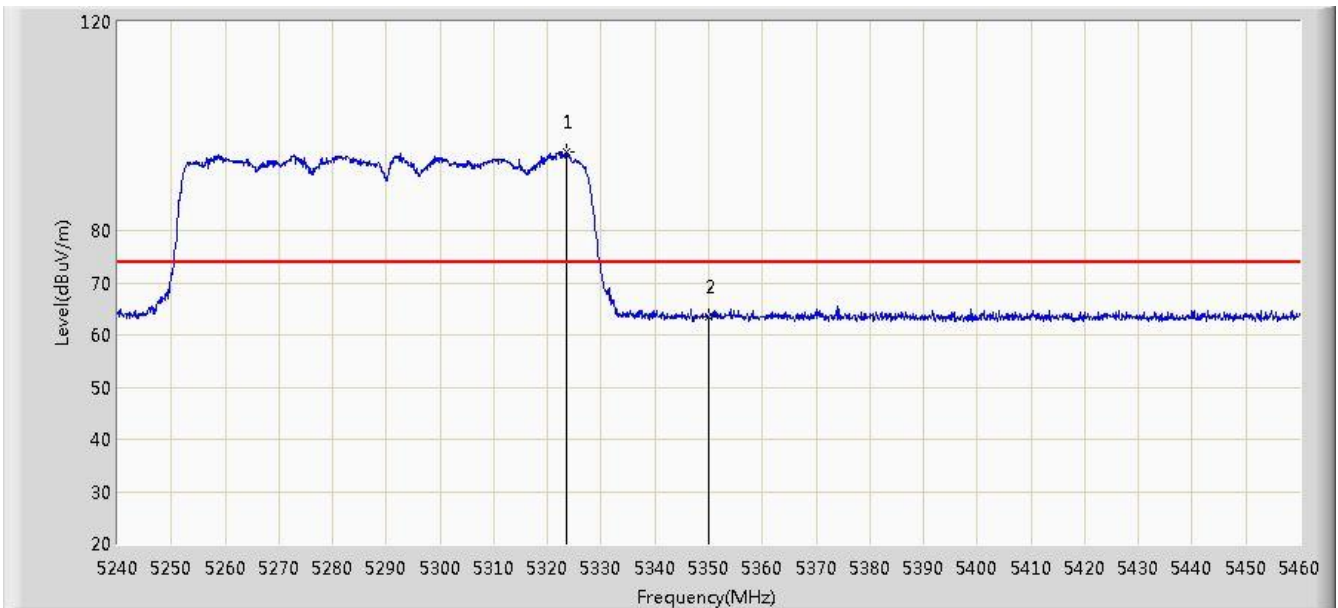


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5682.450	101.534	63.695	N/A	N/A	37.840	AV
2			5725.000	52.709	14.719	-1.291	54.000	37.990	AV
3			5727.700	52.929	14.928	-1.071	54.000	38.000	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 16:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5290MHz by 802.11ac-VHT80 Ant 0+1+2+3	

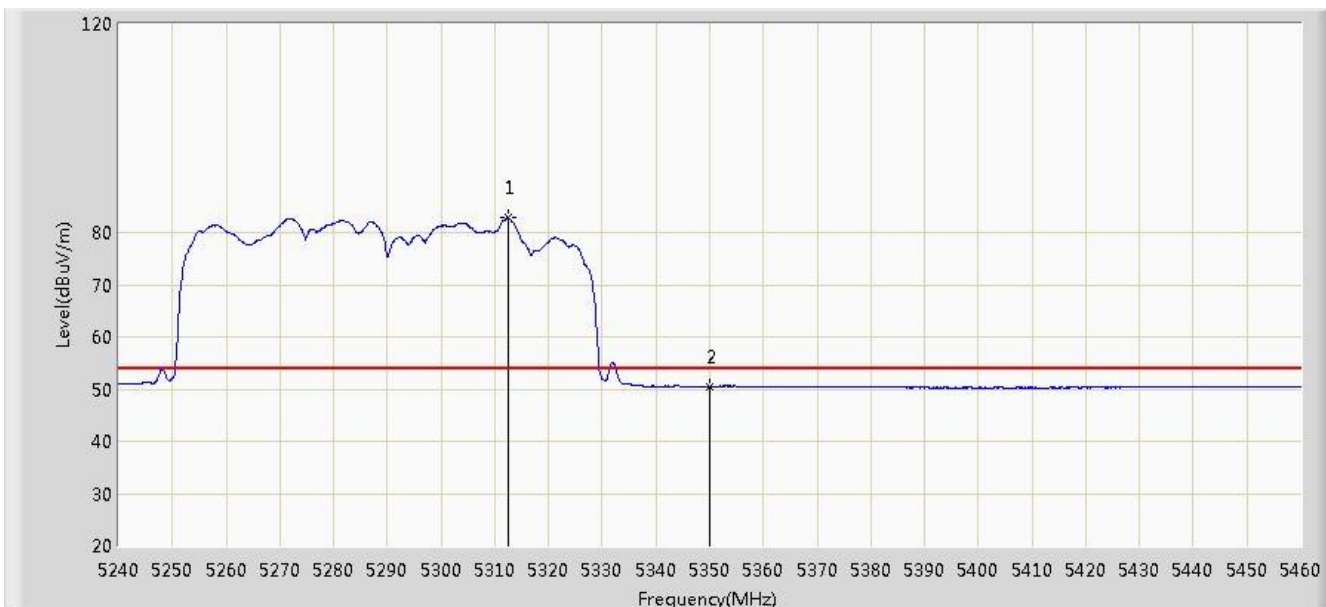


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5323.600	94.956	57.736	N/A	N/A	37.220	PK
2			5350.000	63.517	26.231	-10.483	74.000	37.286	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 16:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5290MHz by 802.11ac-VHT80 Ant 0+1+2+3	

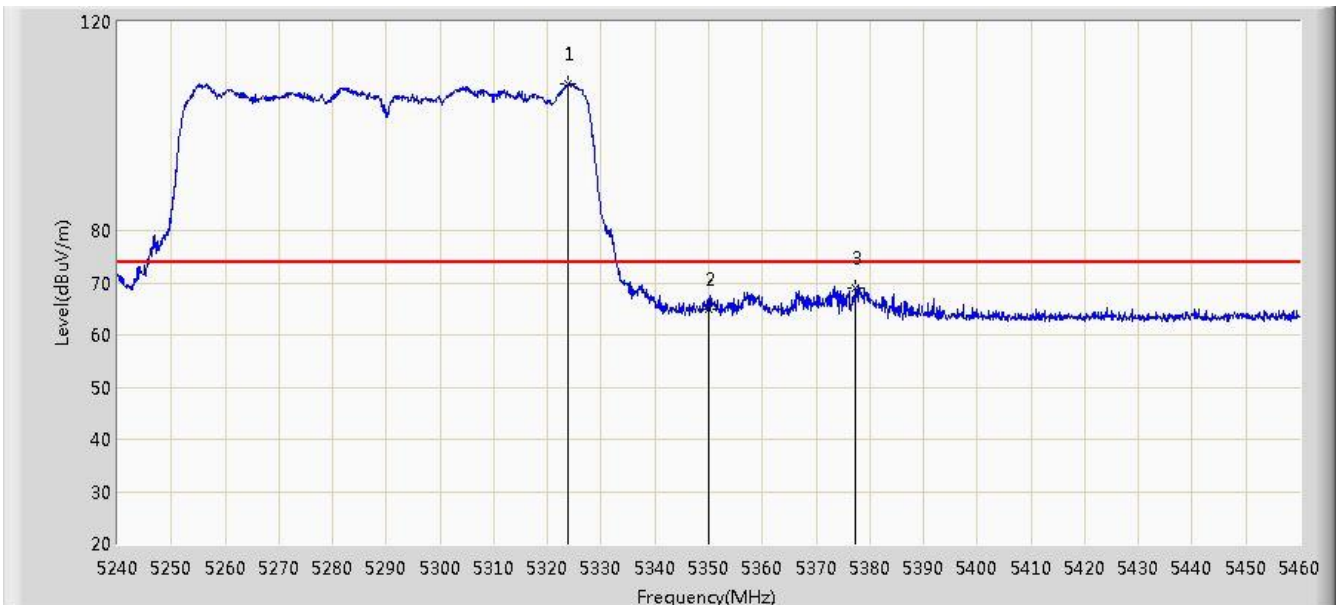


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5312.380	82.820	45.620	N/A	N/A	37.201	AV
2			5350.000	50.511	13.225	-3.489	54.000	37.286	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 16:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5290MHz by 802.11ac-VHT80 Ant 0+1+2+3	

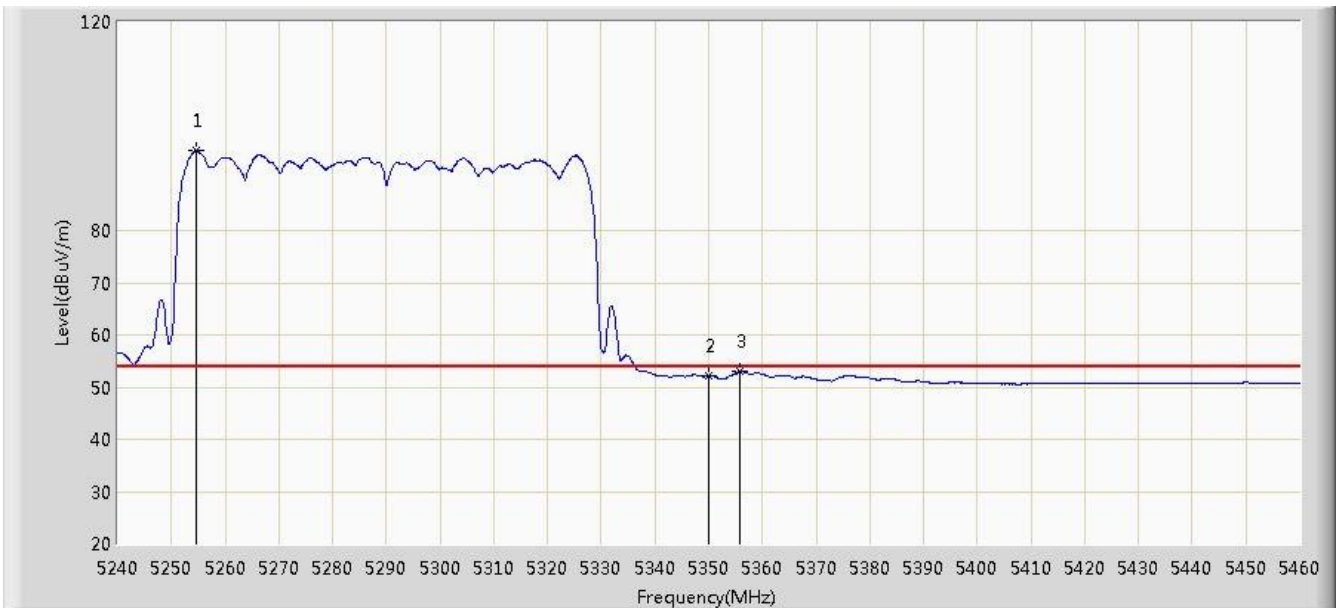


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5323.820	108.169	70.949	N/A	N/A	37.221	PK
2			5350.000	64.920	27.634	-9.080	74.000	37.286	PK
3			5377.280	69.014	31.667	-4.986	74.000	37.347	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 16:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5290MHz by 802.11ac-VHT80 Ant 0+1+2+3	

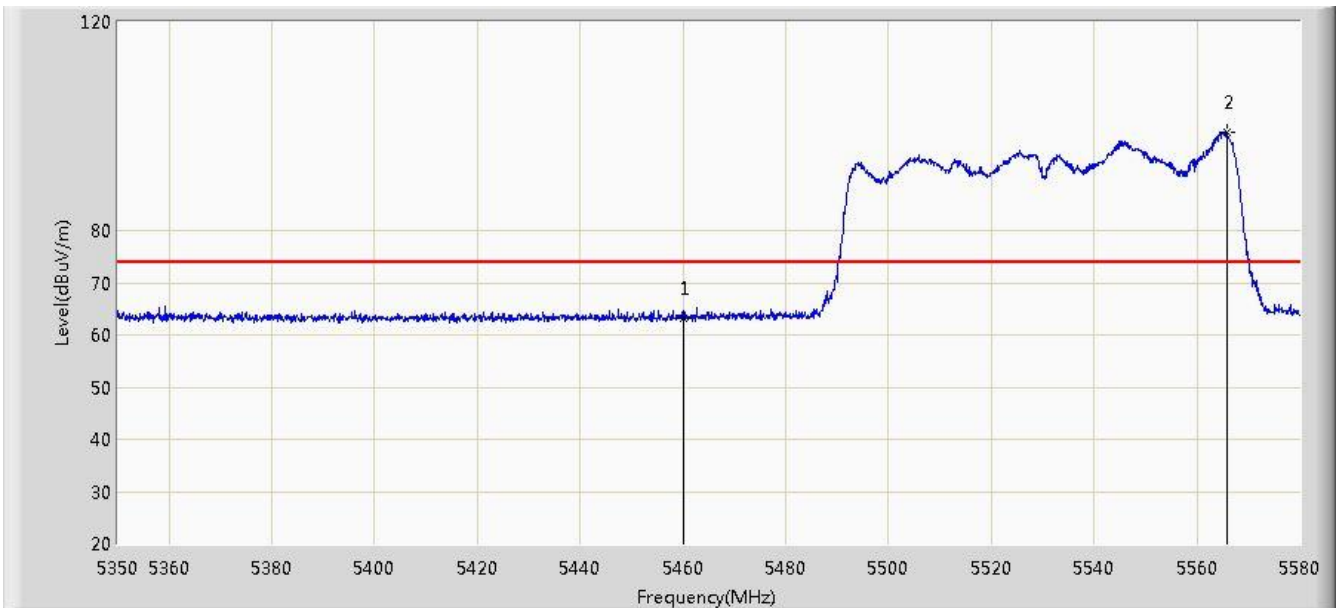


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5254.630	95.337	58.143	N/A	N/A	37.194	AV
2			5350.000	52.166	14.880	-1.834	54.000	37.286	AV
3			5355.830	52.991	15.688	-1.009	54.000	37.303	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 16:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5530MHz by 802.11ac-VHT80 Ant 0+1+2+3	

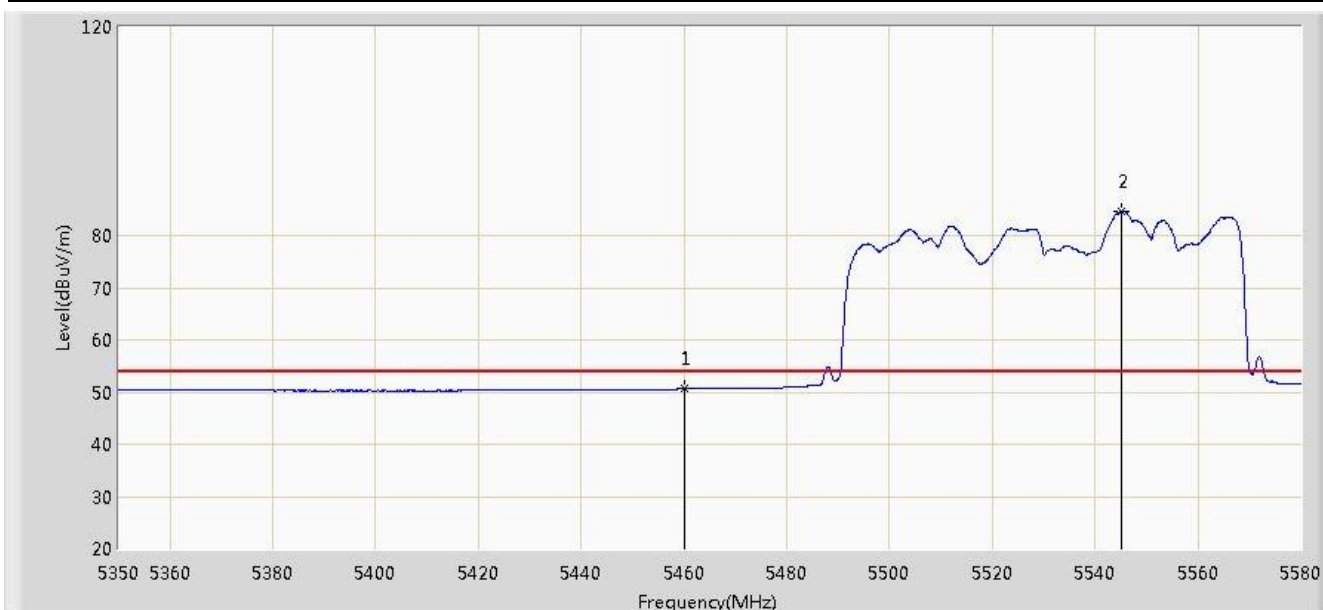


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	63.278	25.715	-10.722	74.000	37.563	PK
2		*	5565.740	98.869	61.162	N/A	N/A	37.707	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 16:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5530MHz by 802.11ac-VHT80 Ant 0+1+2+3	

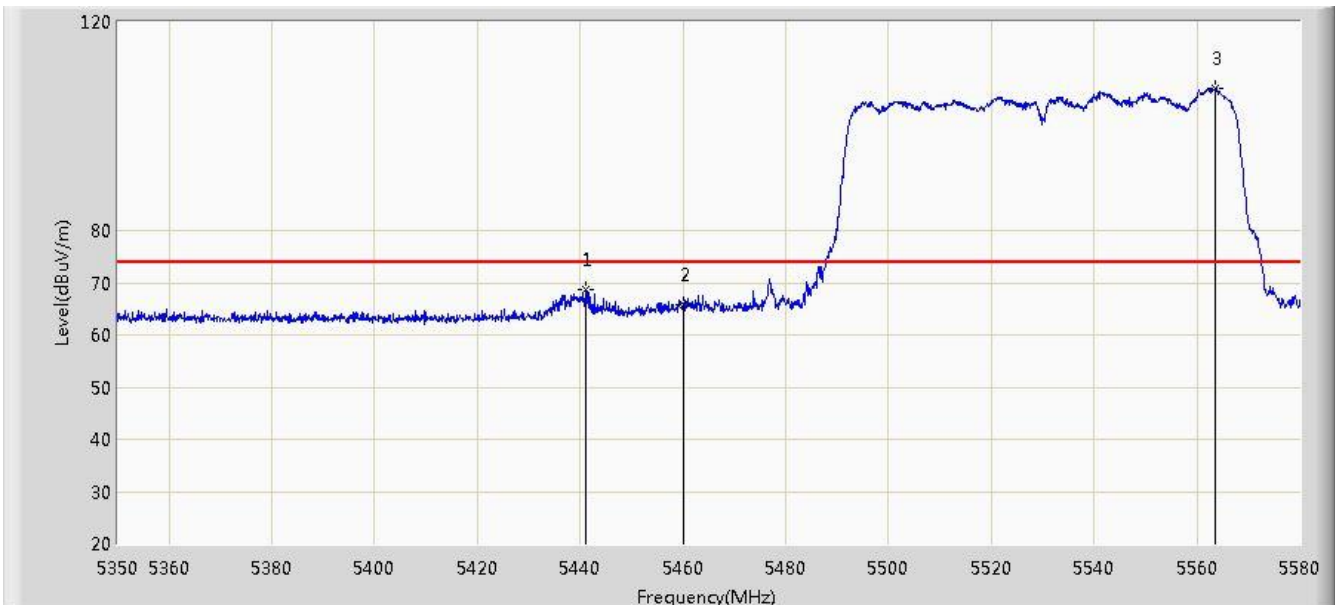


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.610	13.047	-3.390	54.000	37.563	AV
2		*	5545.155	84.686	46.992	N/A	N/A	37.694	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 16:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5530MHz by 802.11ac-VHT80 Ant 0+1+2+3	

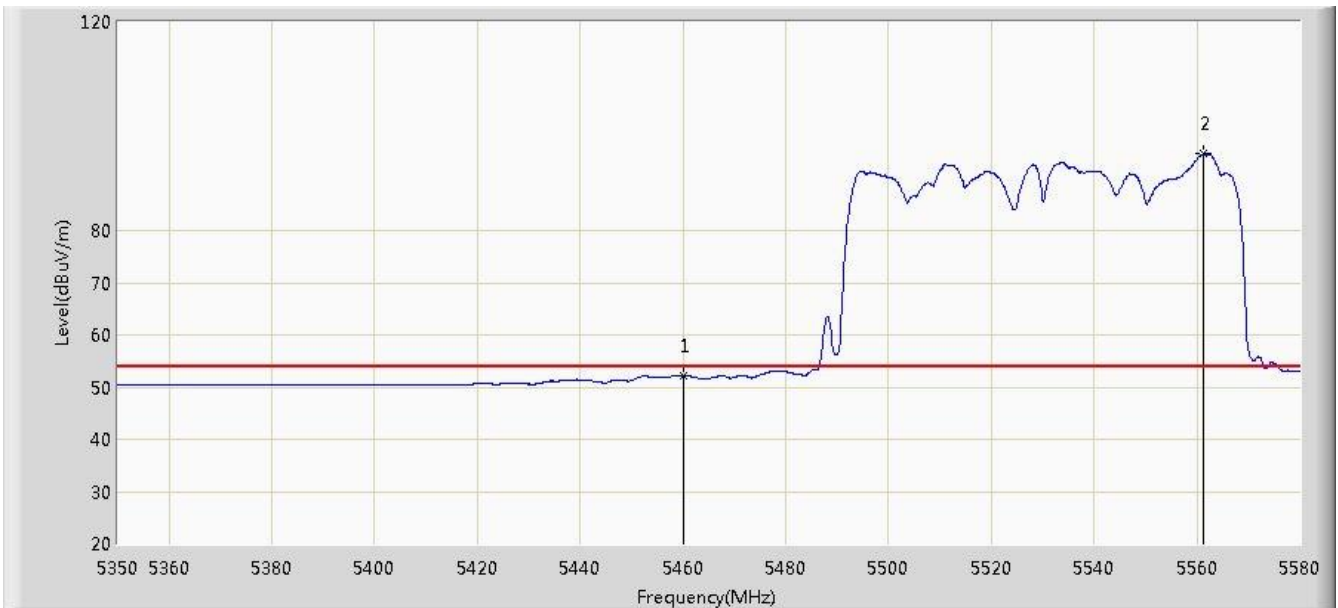


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5440.965	68.819	31.291	-5.181	74.000	37.528	PK
2			5460.000	65.720	28.157	-8.280	74.000	37.563	PK
3		*	5563.555	107.168	69.461	N/A	N/A	37.706	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2015/01/11 - 16:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5530MHz by 802.11ac-VHT80 Ant 0+1+2+3	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	52.211	14.648	-1.789	54.000	37.563	AV
2		*	5561.255	94.736	57.029	N/A	N/A	37.707	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

7.9. AC Conducted Emissions Measurement

7.9.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207		
Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.9.2. Test Procedure

The EUT was setup according to ANSI C63.4, 2009 and tested according to KDB 789033 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

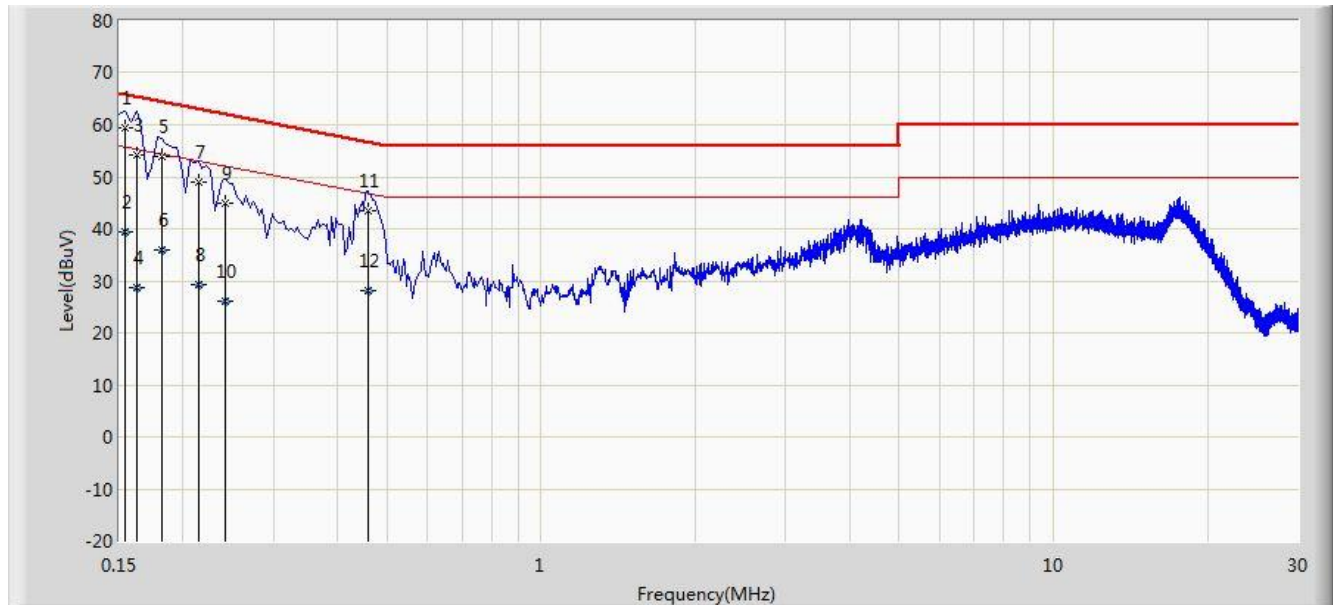
The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

The diagram illustrates the measurement setup. A Non-conductive table is positioned at a height of 0.8 m from the ground plane. On the table, the EUT and Adapter are placed. The AMN is positioned 0.4 m from the vertical ground reference plane and is bonded to the horizontal ground plane. The antenna is connected to the EUT and the Adapter. The antenna is connected to the AMN, which is connected to the antenna. The antenna is connected to the antenna.

7.9.4. Test Result

Site: SR2	Time: 2015/02/07 - 11:39
Limit: FCC_Part15.207_CE_AC Power	Engineer: Milo Li
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Note: Mode 1	

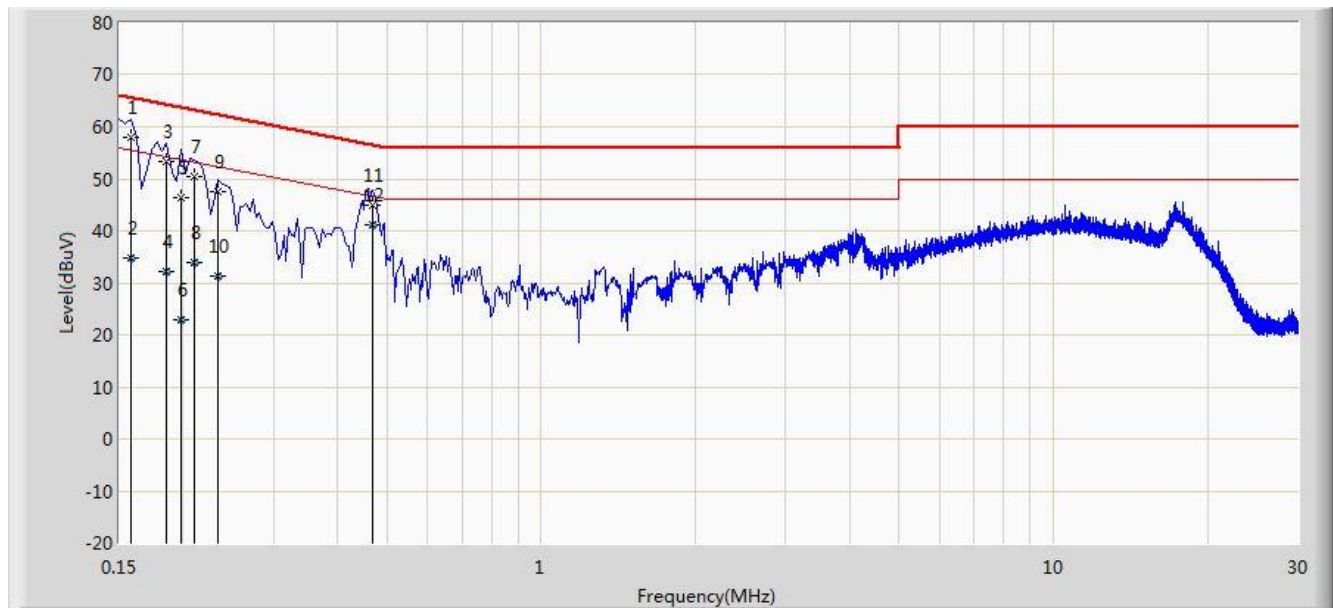


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.154	59.501	48.761	-6.281	65.781	10.740	QP
2			0.154	39.344	28.605	-16.437	55.781	10.740	AV
3			0.162	54.060	43.963	-11.301	65.361	10.097	QP
4			0.162	28.607	18.510	-26.754	55.361	10.097	AV
5			0.182	53.959	43.911	-10.435	64.394	10.048	QP
6			0.182	36.019	25.970	-18.375	54.394	10.048	AV
7			0.214	49.068	39.111	-13.981	63.049	9.957	QP
8			0.214	29.237	19.280	-23.812	53.049	9.957	AV
9			0.242	45.040	35.082	-16.988	62.027	9.958	QP
10			0.242	26.045	16.087	-25.982	52.027	9.958	AV
11			0.458	43.360	33.228	-13.368	56.729	10.133	QP
12			0.458	28.034	17.902	-18.694	46.729	10.133	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Site: SR2	Time: 2015/02/07 - 11:45
Limit: FCC_Part15.207_CE_AC Power	Engineer: Milo Li
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Note: Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.158	57.983	47.693	-7.585	65.568	10.290	QP
2			0.158	34.836	24.547	-20.732	55.568	10.290	AV
3			0.186	53.294	43.259	-10.920	64.213	10.035	QP
4			0.186	32.311	22.276	-21.903	54.213	10.035	AV
5			0.198	46.513	36.498	-17.181	63.694	10.015	QP
6			0.198	22.767	12.753	-30.927	53.694	10.015	AV
7			0.210	50.573	40.579	-12.632	63.205	9.995	QP
8			0.210	33.786	23.791	-19.419	53.205	9.995	AV
9			0.234	47.617	37.628	-14.690	62.307	9.989	QP
10			0.234	31.230	21.241	-21.076	52.307	9.989	AV
11			0.470	45.012	34.847	-11.502	56.514	10.164	QP
12		*	0.470	41.065	30.900	-5.449	46.514	10.164	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **Indoor GPON HGU FCC ID: 2AC9MADTRAN424RG** is in compliance with Part 15E of the FCC Rules.