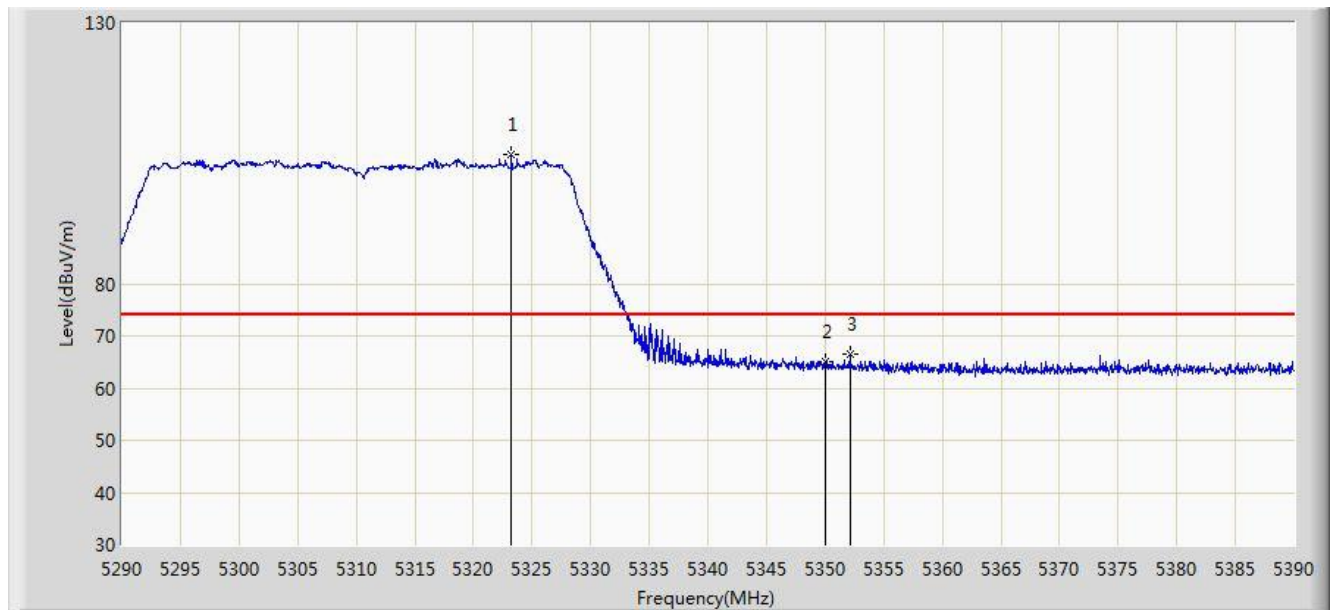


Site: AC2	Time: 2017/02/28 - 22:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz Ant 0 + 1 + 2 + 3	

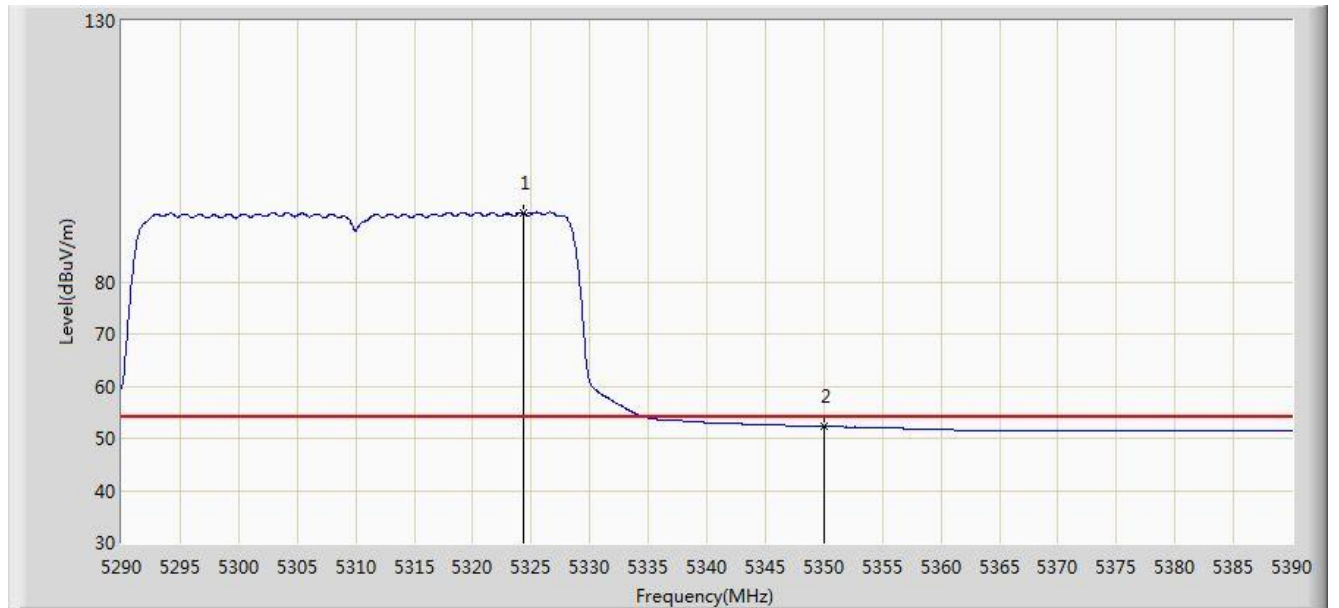


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5323.250	104.859	65.987	N/A	N/A	38.872	PK
2			5350.000	65.033	26.145	-8.967	74.000	38.888	PK
3			5352.100	66.427	27.535	-7.573	74.000	38.892	PK

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

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

Site: AC2	Time: 2017/02/28 - 22:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz Ant 0 + 1 + 2 + 3	

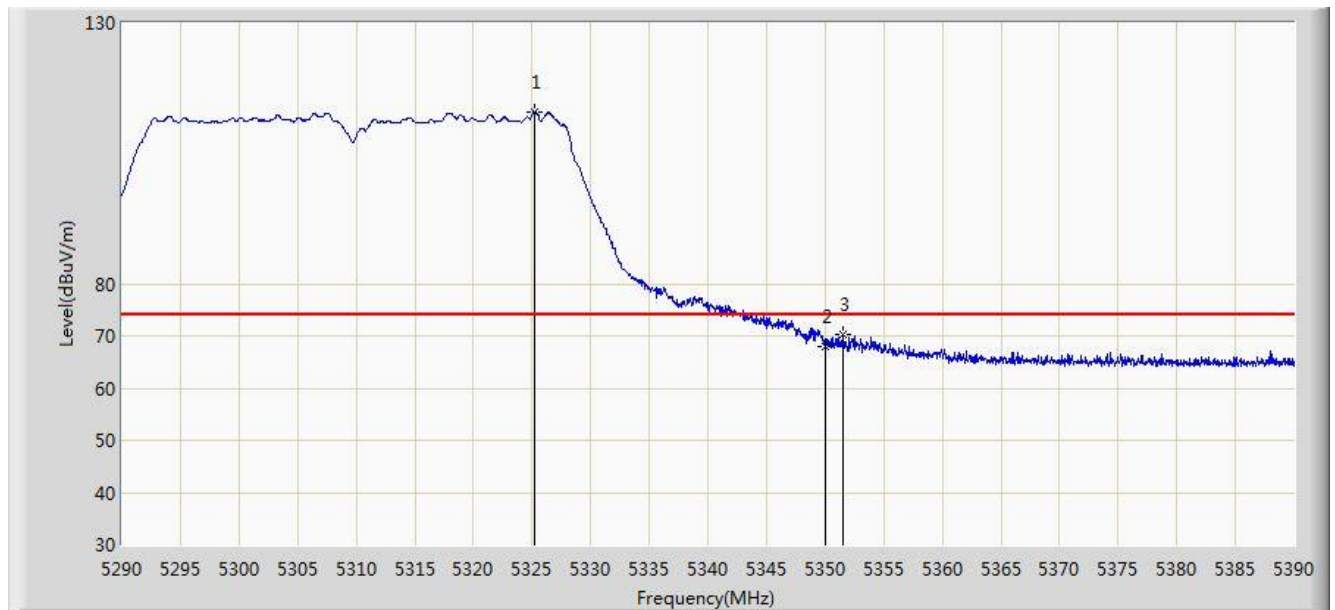


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5324.300	93.220	54.349	N/A	N/A	38.871	AV
2			5350.000	52.303	13.415	-1.697	54.000	38.888	AV

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

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

Site: AC2	Time: 2017/02/28 - 22:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz Ant 0 + 1 + 2 + 3	

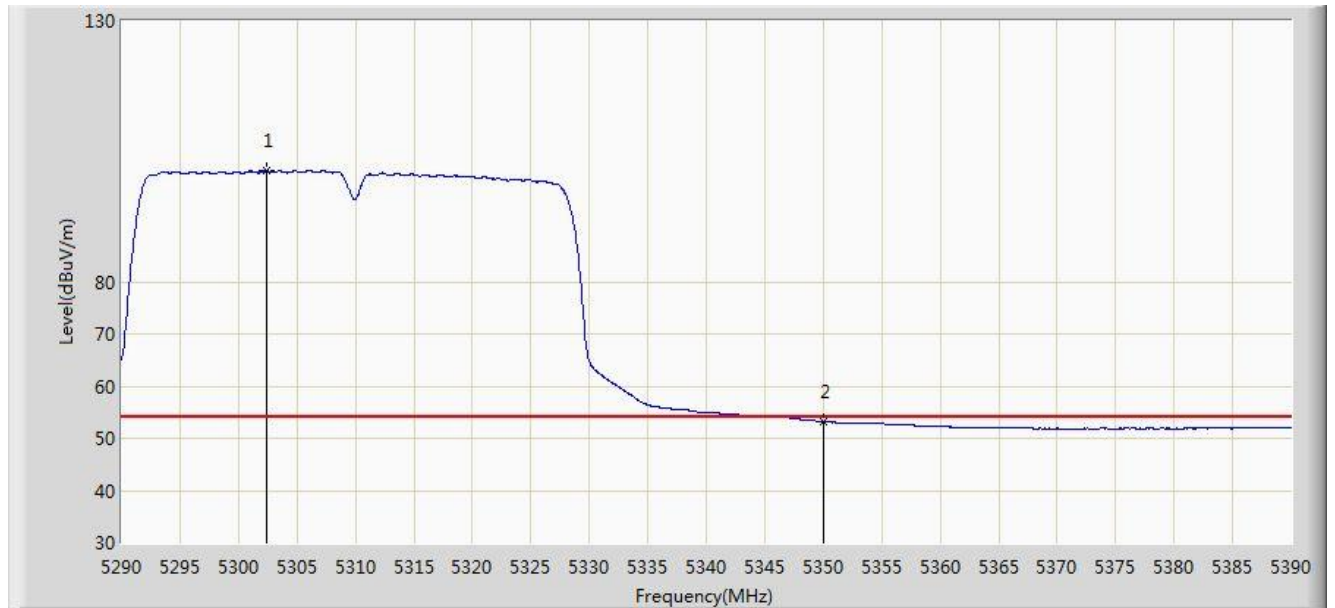


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5325.250	112.865	73.995	N/A	N/A	38.870	PK
2			5350.000	68.000	29.112	-6.000	74.000	38.888	PK
3			5351.550	70.274	31.383	-3.726	74.000	38.891	PK

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

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

Site: AC2	Time: 2017/02/28 - 22:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz Ant 0 + 1 + 2 + 3	

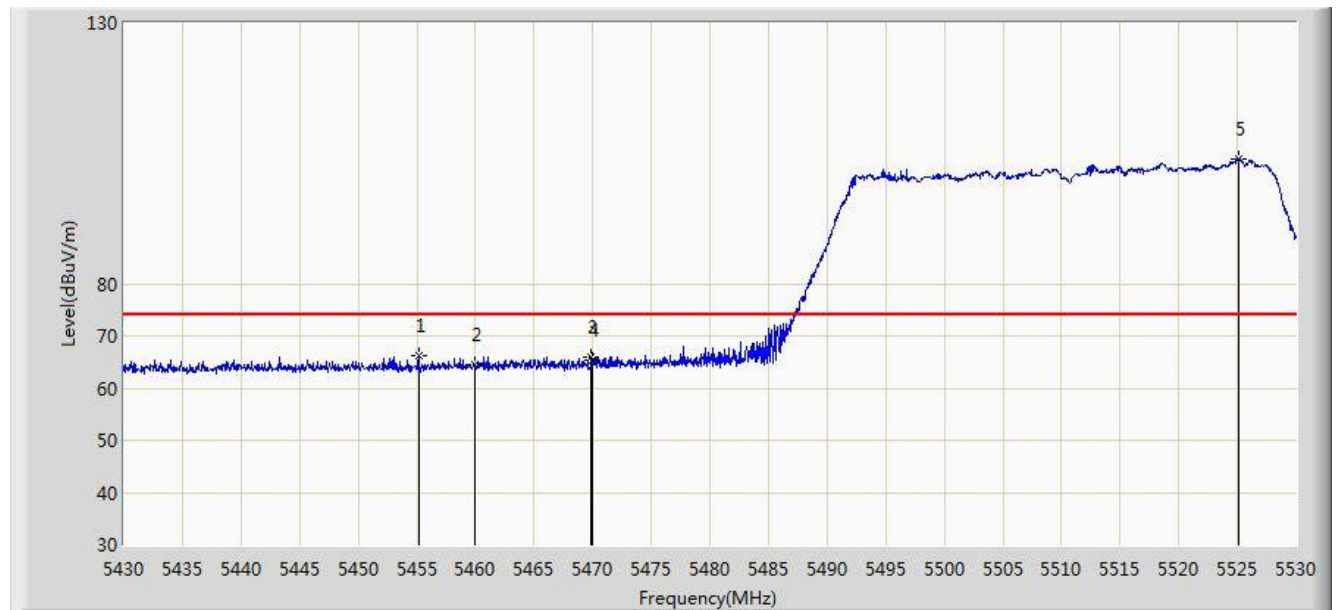


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5302.400	101.345	62.519	N/A	N/A	38.826	AV
2			5350.000	53.144	14.256	-0.856	54.000	38.888	AV

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

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

Site: AC2	Time: 2017/02/28 - 22:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz Ant 0 + 1 + 2 + 3	

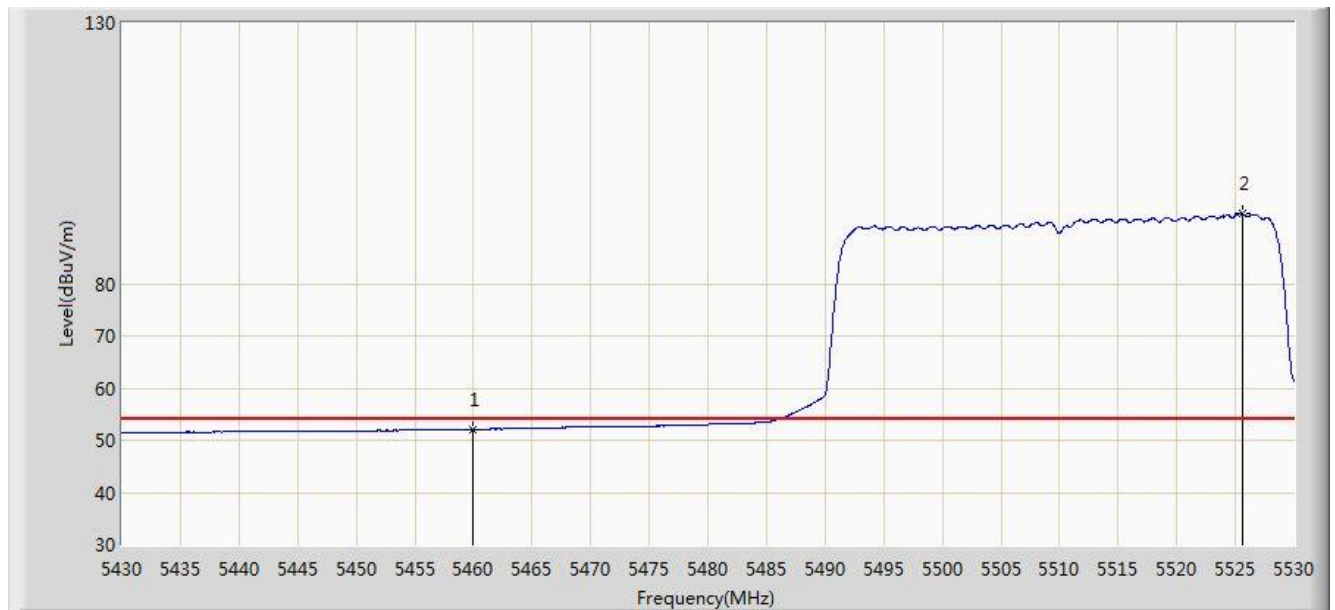


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5455.150	66.305	27.070	-7.695	74.000	39.235	PK
2			5460.000	64.468	25.182	-9.532	74.000	39.286	PK
3			5469.850	66.033	26.645	-7.967	74.000	39.388	PK
4			5470.000	65.286	25.896	-8.714	74.000	39.390	PK
5		*	5525.150	103.795	64.338	N/A	N/A	39.457	PK

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

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

Site: AC2	Time: 2017/02/28 - 23:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz Ant 0 + 1 + 2 + 3	

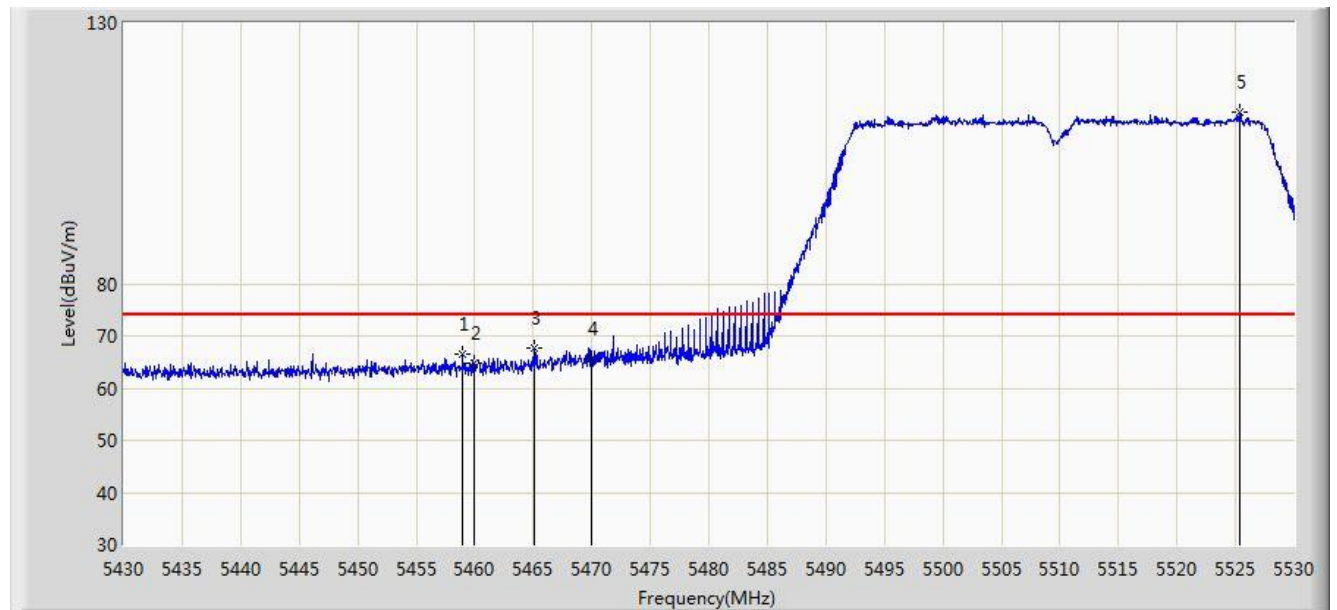


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	52.107	12.821	-1.893	54.000	39.286	AV
2		*	5525.600	93.454	53.997	N/A	N/A	39.457	AV

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

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

Site: AC2	Time: 2017/02/28 - 22:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz Ant 0 + 1 + 2 + 3	

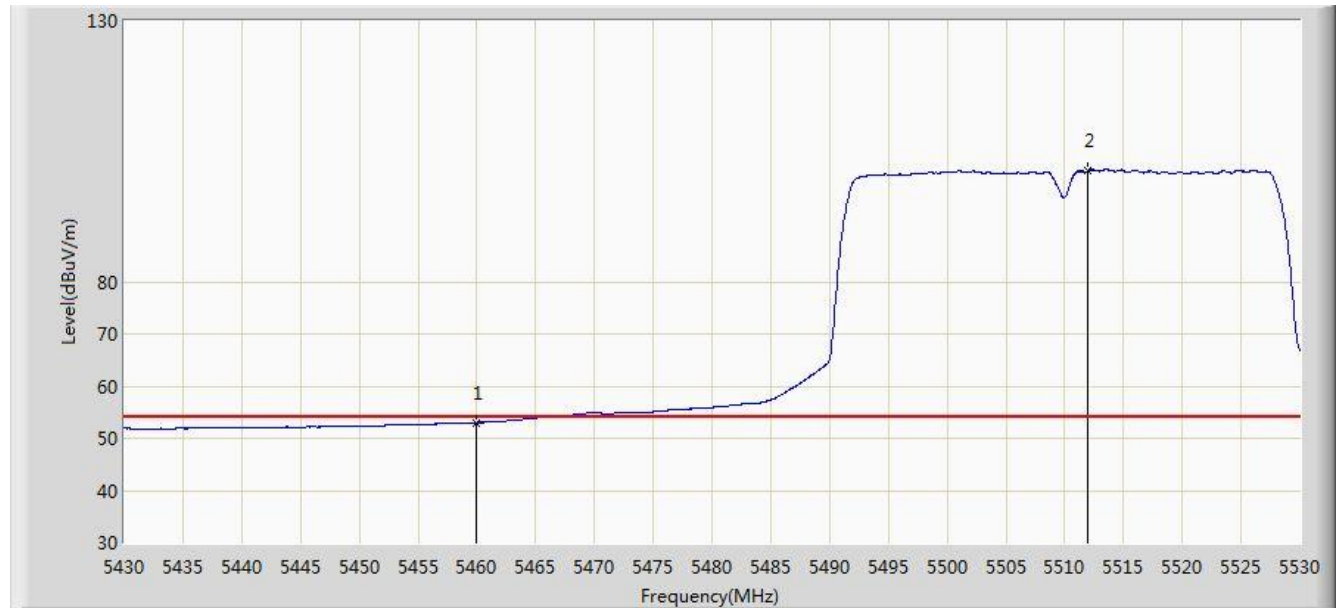


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5459.000	66.519	27.244	-7.481	74.000	39.275	PK
2			5460.000	64.749	25.463	-9.251	74.000	39.286	PK
3			5465.050	67.586	28.248	-6.414	74.000	39.338	PK
4			5470.000	65.601	26.211	-8.399	74.000	39.390	PK
5		*	5525.350	112.780	73.323	N/A	N/A	39.456	PK

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

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

Site: AC2	Time: 2017/02/28 - 22:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz Ant 0 + 1 + 2 + 3	

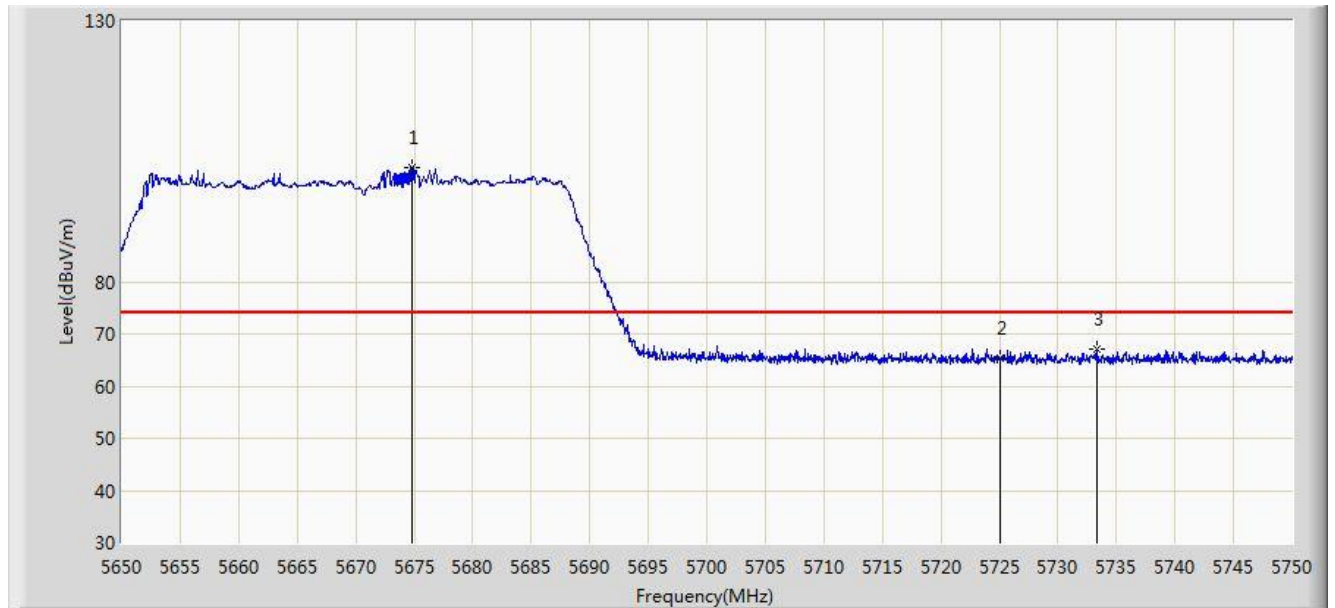


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	53.022	13.736	-0.978	54.000	39.286	AV
2		*	5512.000	101.338	61.995	N/A	N/A	39.343	AV

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

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

Site: AC2	Time: 2017/02/28 - 23:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz Ant 0 + 1 + 2 + 3	

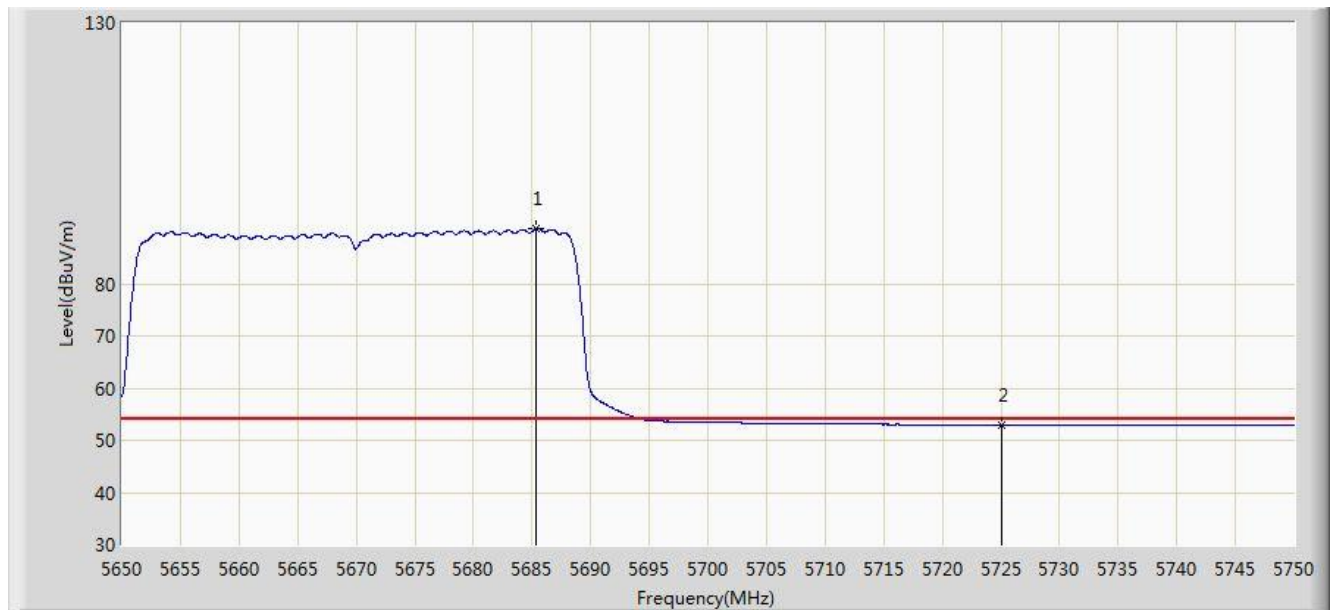


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5674.850	101.916	62.391	N/A	N/A	39.526	PK
2			5725.000	65.415	25.752	-8.585	74.000	39.663	PK
3			5733.300	67.046	27.318	-6.954	74.000	39.728	PK

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

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

aSite: AC2	Time: 2017/02/28 - 23:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz Ant 0 + 1 + 2 + 3	

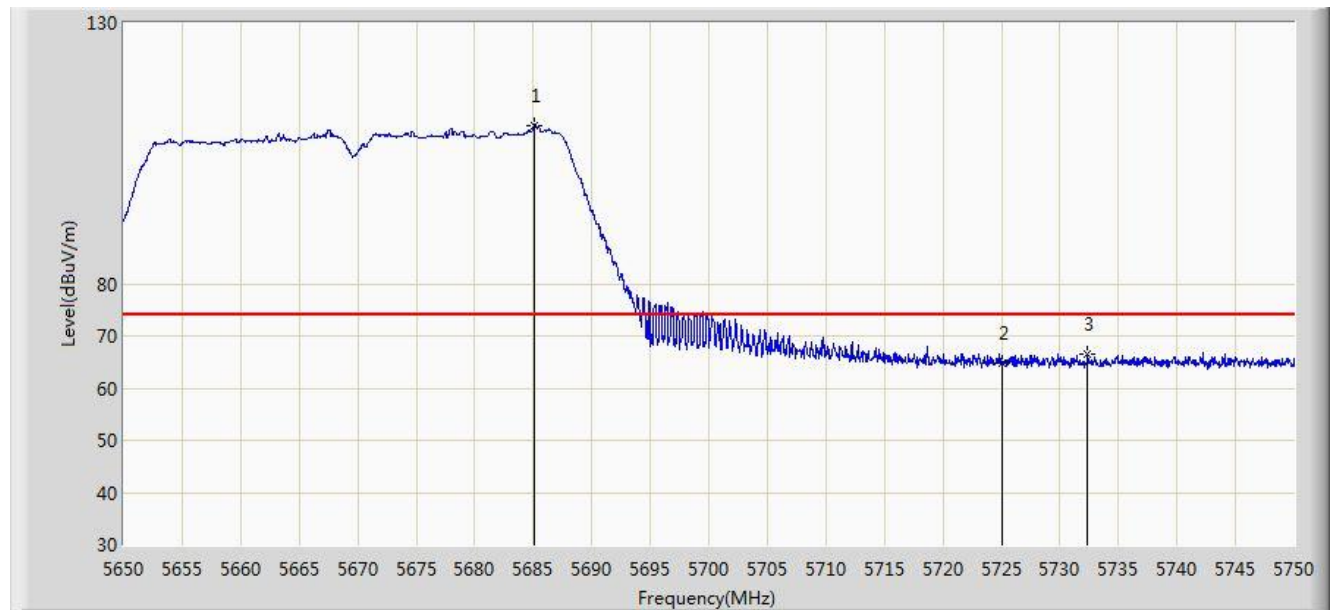


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5685.400	90.486	50.906	N/A	N/A	39.579	AV
2			5725.000	52.953	13.290	-1.047	54.000	39.663	AV

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

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

aSite: AC2	Time: 2017/02/28 - 23:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz Ant 0 + 1 + 2 + 3	

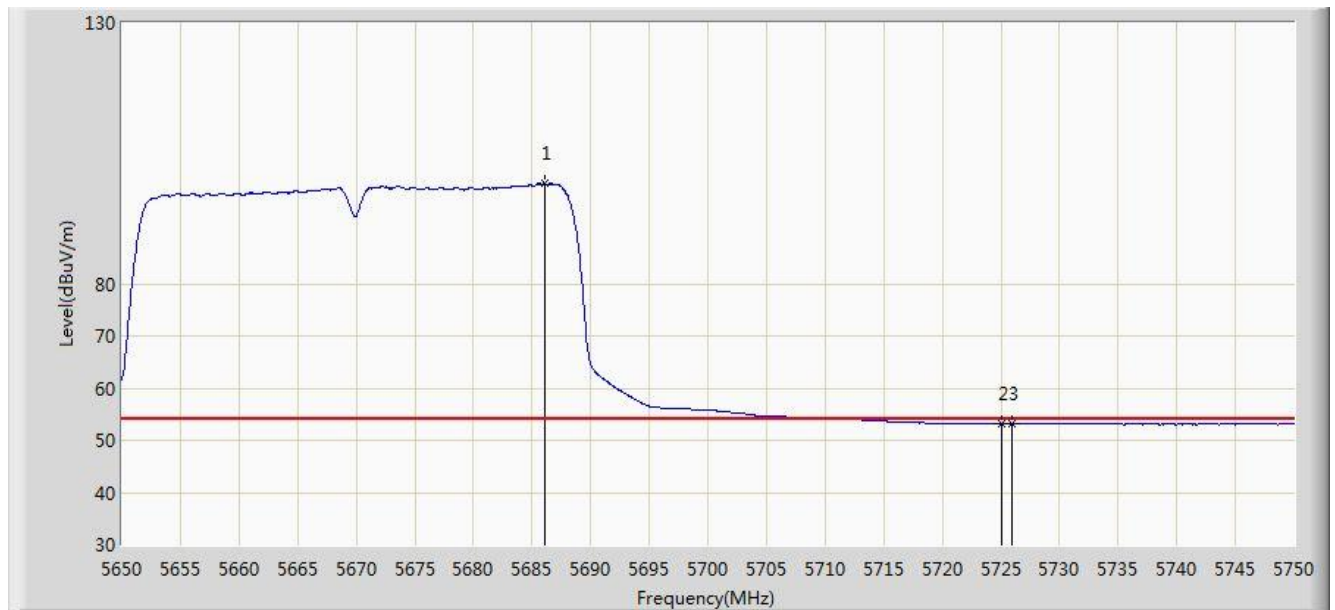


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5685.100	110.334	70.756	N/A	N/A	39.578	PK
2			5725.000	64.918	25.255	-9.082	74.000	39.663	PK
3			5732.350	66.515	26.795	-7.485	74.000	39.720	PK

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

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

Site: AC2	Time: 2017/02/28 - 23:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz Ant 0 + 1 + 2 + 3	

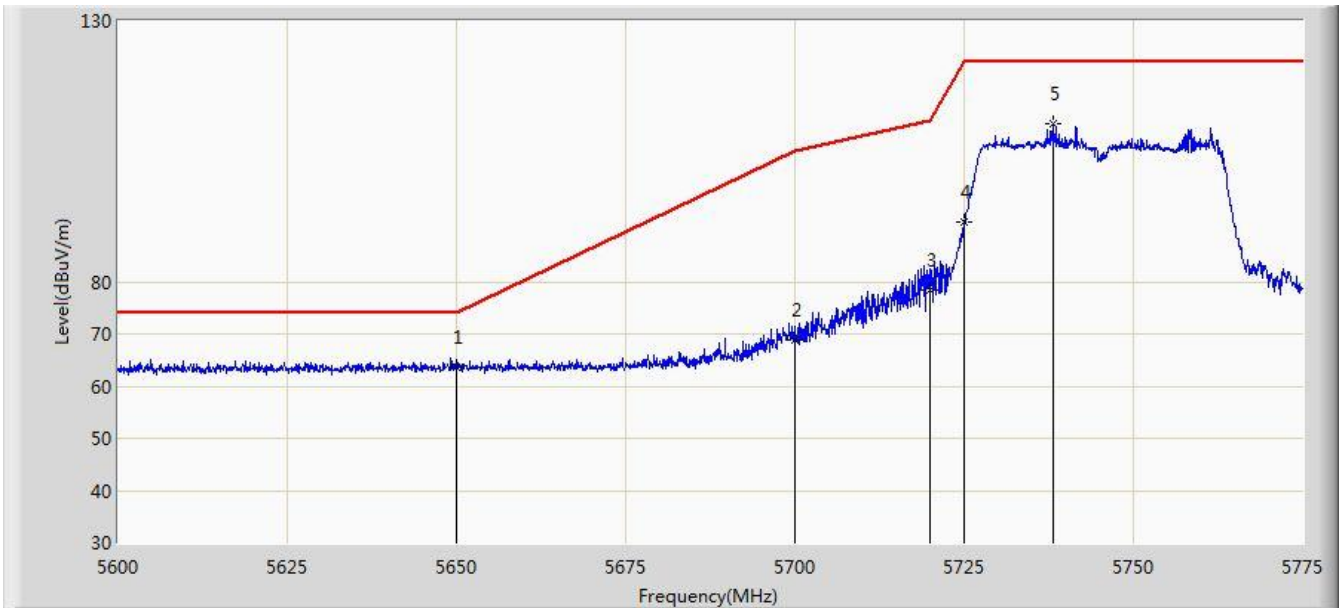


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5686.050	99.147	59.564	N/A	N/A	39.584	AV
2			5725.000	53.111	13.448	-0.889	54.000	39.663	AV
3			5726.000	53.169	13.499	-0.831	54.000	39.671	AV

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

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

Site: AC1	Time: 2016/11/30 - 14:41
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5755MHz, Ant 0+1+2+3	

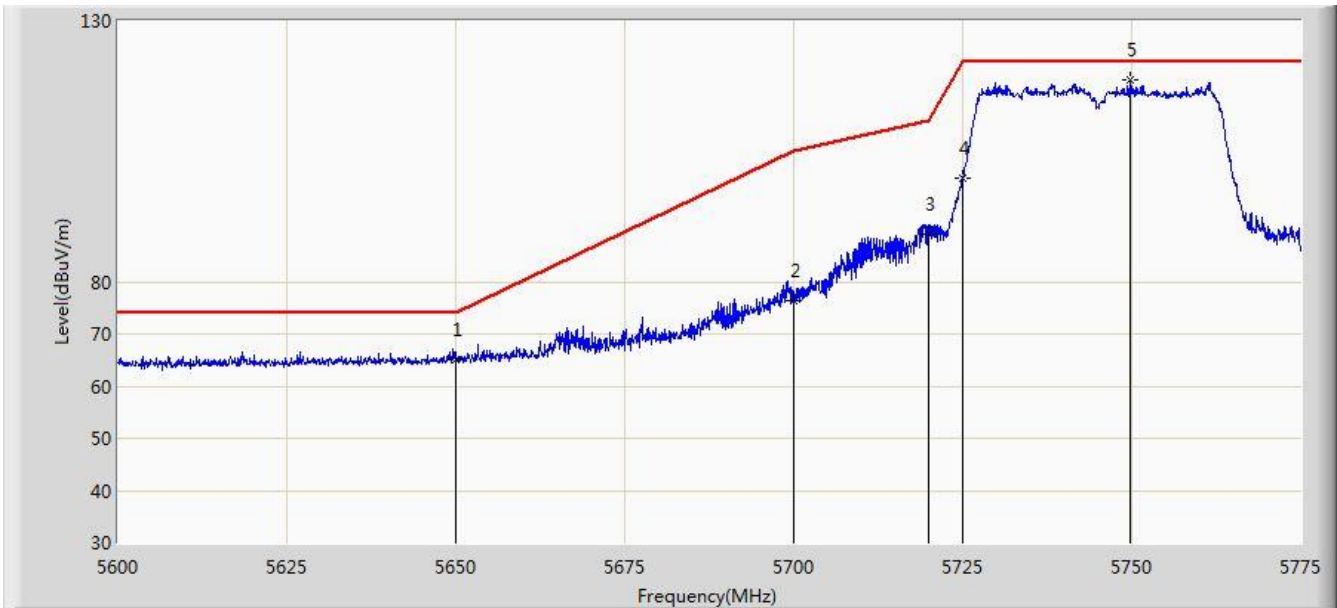


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5650.000	63.544	25.757	-10.456	74.000	37.787	PK
2			5700.000	68.968	31.076	-36.232	105.200	37.892	PK
3			5720.000	78.274	40.305	-32.526	110.800	37.970	PK
4			5725.000	91.467	53.477	-30.733	122.200	37.990	PK
5			5738.075	110.393	72.349	N/A	N/A	38.044	PK

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

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

Site: AC1	Time: 2016/11/30 - 14:39
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5755MHz, Ant 0+1+2+3	

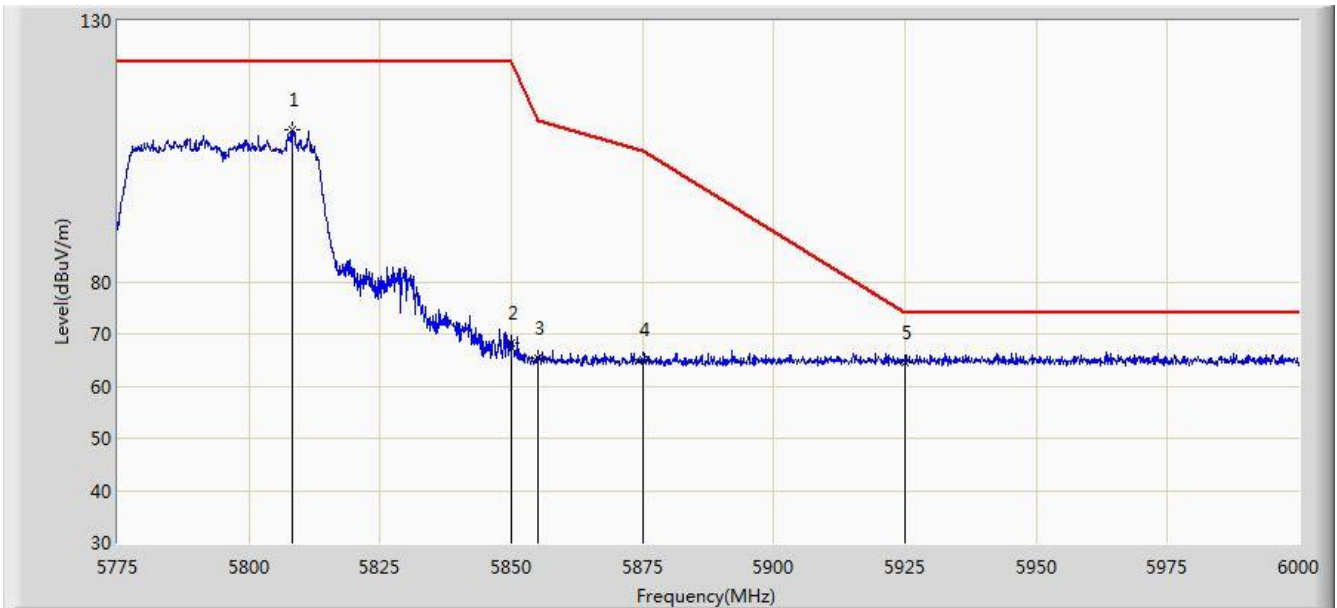


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	65.053	27.266	-8.947	74.000	37.787	PK
2			5700.000	76.234	38.342	-28.966	105.200	37.892	PK
3			5720.000	89.130	51.161	-21.670	110.800	37.970	PK
4			5725.000	99.739	61.749	-22.461	122.200	37.990	PK
5		*	5749.712	118.807	80.713	N/A	N/A	38.094	PK

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

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

Site: AC1	Time: 2016/11/30 - 14:44
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5795MHz, Ant 0+1+2+3	

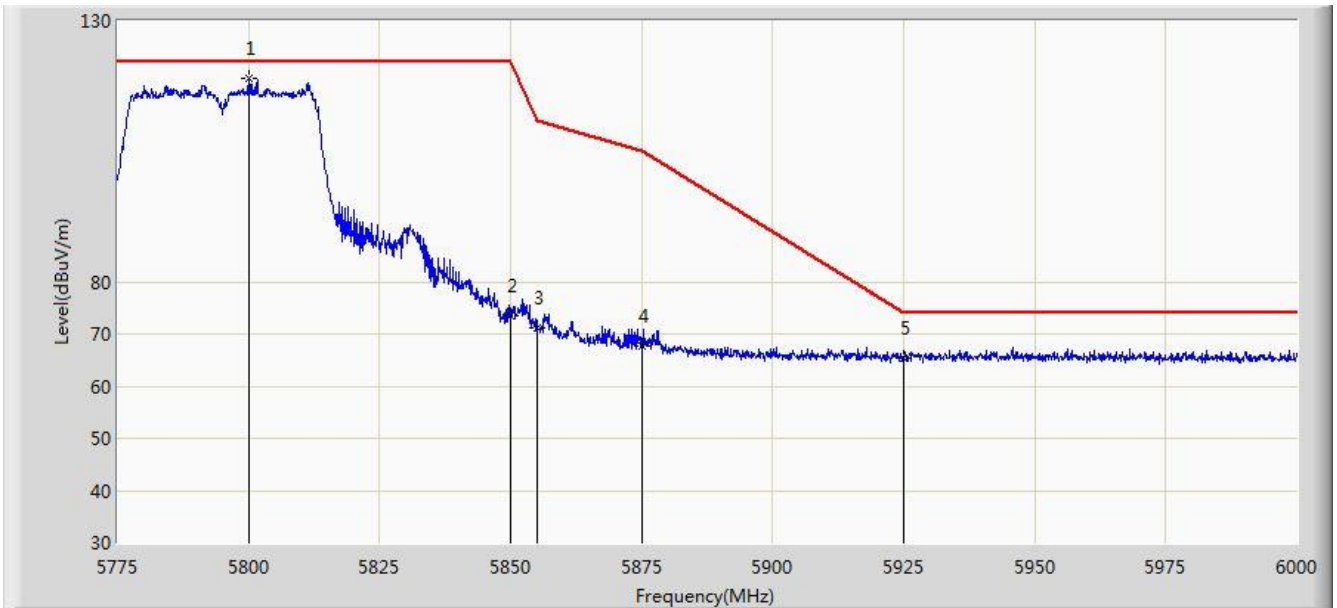


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5808.300	109.072	70.783	N/A	N/A	38.289	PK
2			5850.000	68.243	29.790	-53.957	122.200	38.454	PK
3			5855.000	65.437	26.972	-45.363	110.800	38.465	PK
4			5875.000	65.179	26.682	-40.021	105.200	38.497	PK
5		*	5925.000	64.356	25.823	-9.644	74.000	38.533	PK

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

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

Site: AC1	Time: 2016/11/30 - 14:43
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5795MHz, Ant 0+1+2+3	

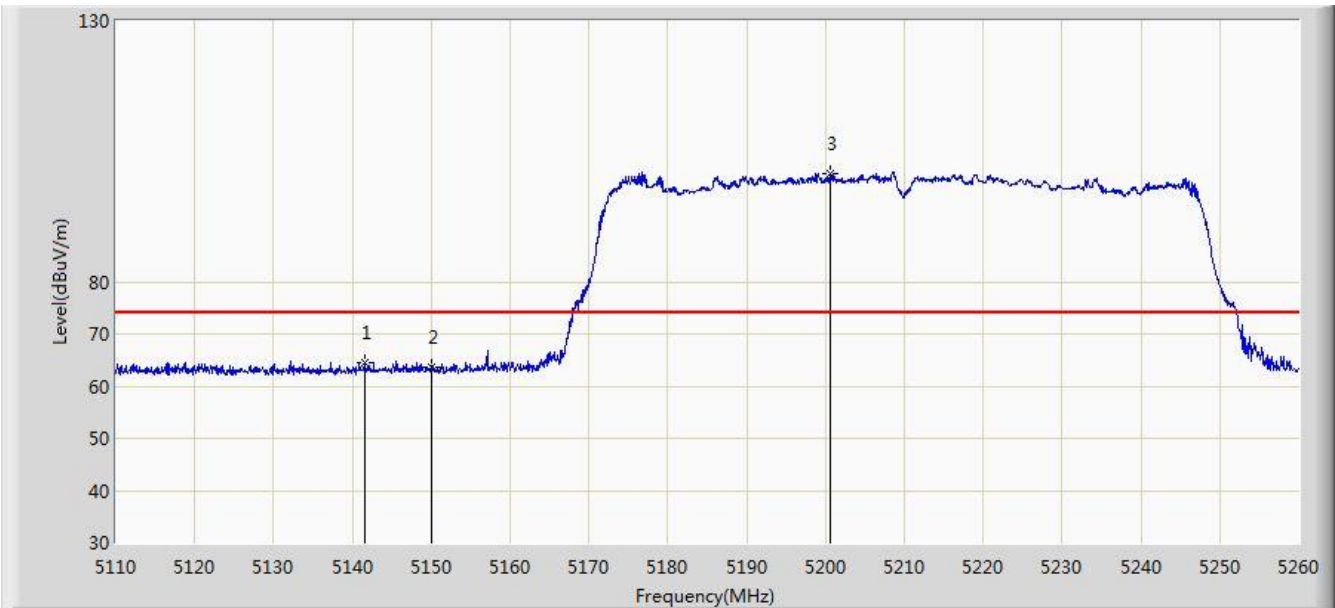


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5799.975	119.029	80.765	N/A	N/A	38.264	PK
2			5850.000	73.587	35.134	-48.613	122.200	38.454	PK
3			5855.000	71.185	32.720	-39.615	110.800	38.465	PK
4			5875.000	67.727	29.230	-37.473	105.200	38.497	PK
5			5925.000	65.454	26.921	-8.546	74.000	38.533	PK

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

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

Site: AC1	Time: 2016/11/30 - 14:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz, Ant 0+1+2+3	

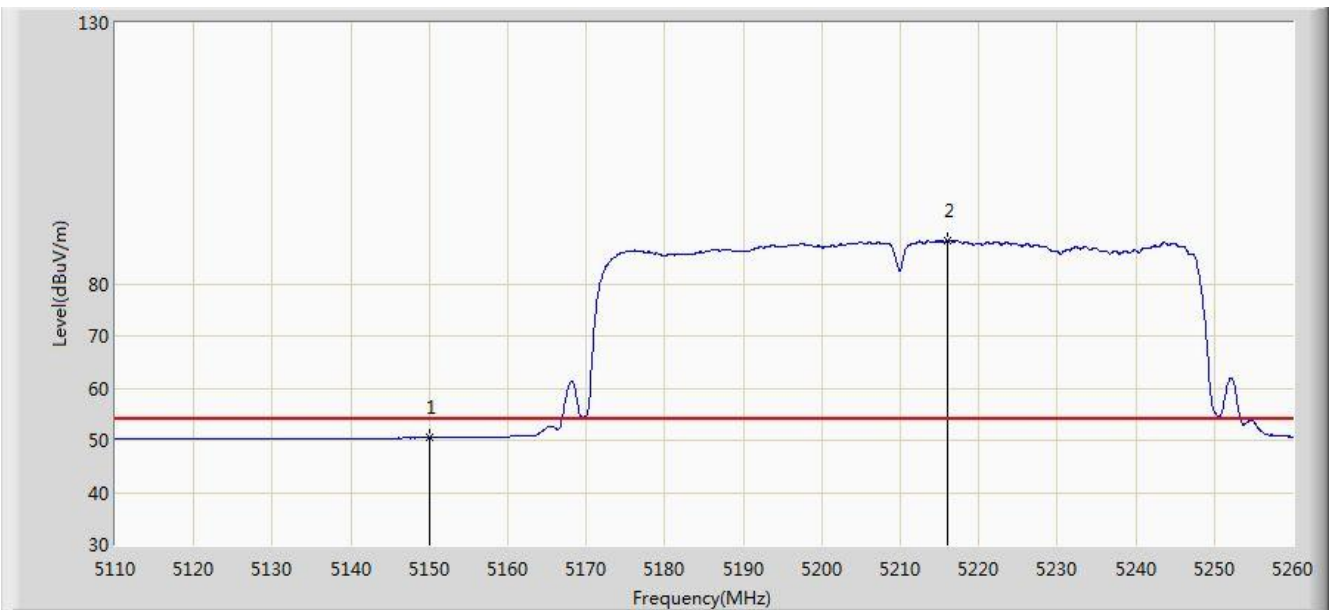


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5141.500	64.391	26.926	-9.609	74.000	37.465	PK
2			5150.000	63.538	26.086	-10.462	74.000	37.452	PK
3		*	5200.600	100.670	63.348	N/A	N/A	37.323	PK

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

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

Site: AC1	Time: 2016/11/30 - 14:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz, Ant 0+1+2+3	

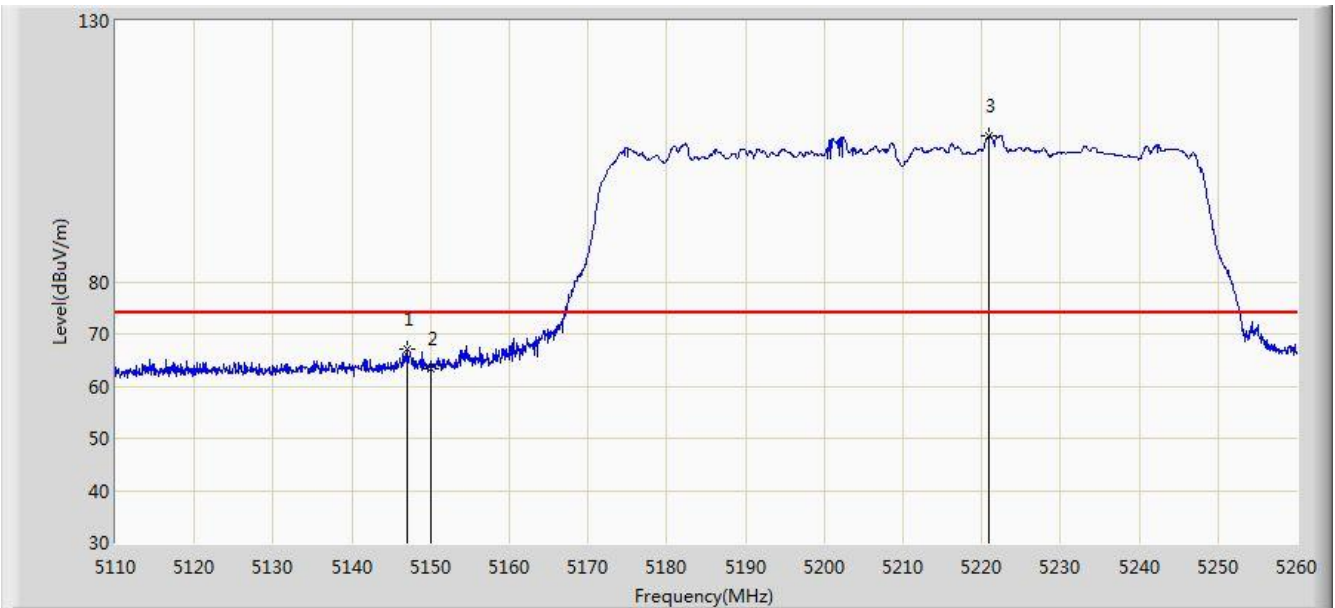


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.517	13.065	-3.483	54.000	37.452	AV
2		*	5216.050	88.243	50.972	N/A	N/A	37.271	AV

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

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

Site: AC1	Time: 2016/11/30 - 14:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz, Ant 0+1+2+3	

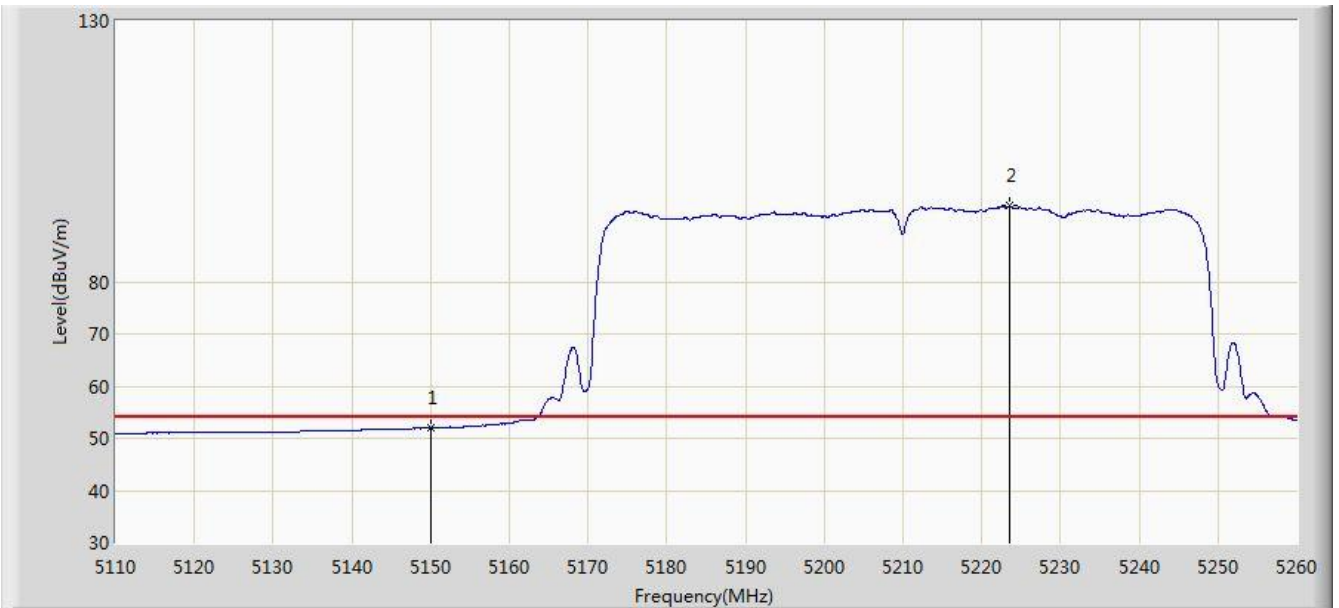


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.050	67.162	29.706	-6.838	74.000	37.456	PK
2			5150.000	63.320	25.868	-10.680	74.000	37.452	PK
3		*	5220.850	107.844	70.584	N/A	N/A	37.260	PK

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

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

Site: AC1	Time: 2016/11/30 - 14:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz, Ant 0+1+2+3	

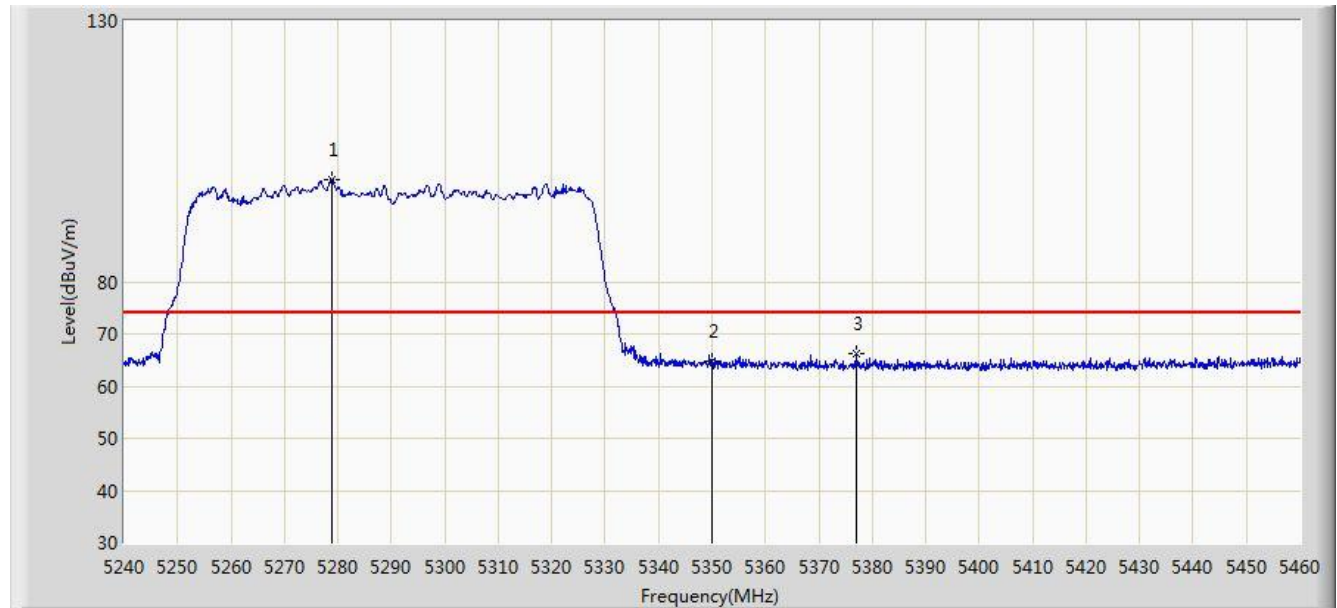


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.003	14.551	-1.997	54.000	37.452	AV
2		*	5223.475	94.571	57.316	N/A	N/A	37.255	AV

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

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

Site: AC2	Time: 2017/03/01 - 00:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz Ant 0 + 1 + 2 + 3	

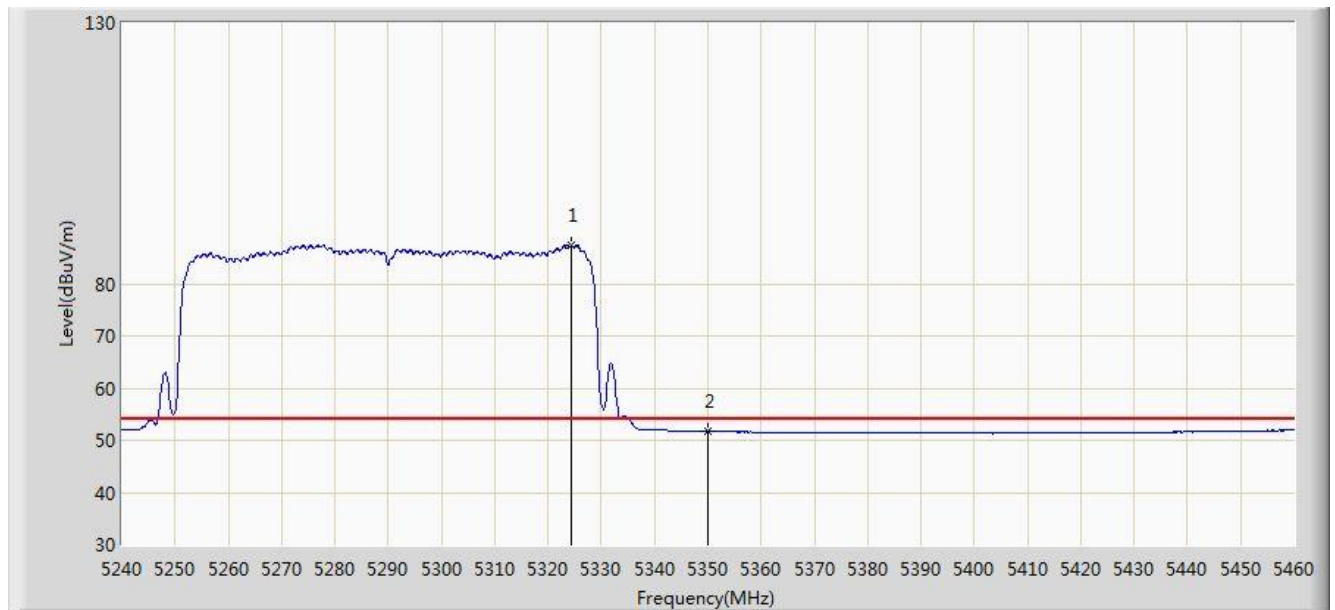


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5278.940	99.633	60.771	N/A	N/A	38.862	PK
2			5350.000	64.756	25.868	-9.244	74.000	38.888	PK
3			5376.950	66.358	27.377	-7.642	74.000	38.982	PK

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

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

Site: AC2	Time: 2017/03/01 - 00:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz Ant 0 + 1 + 2 + 3	

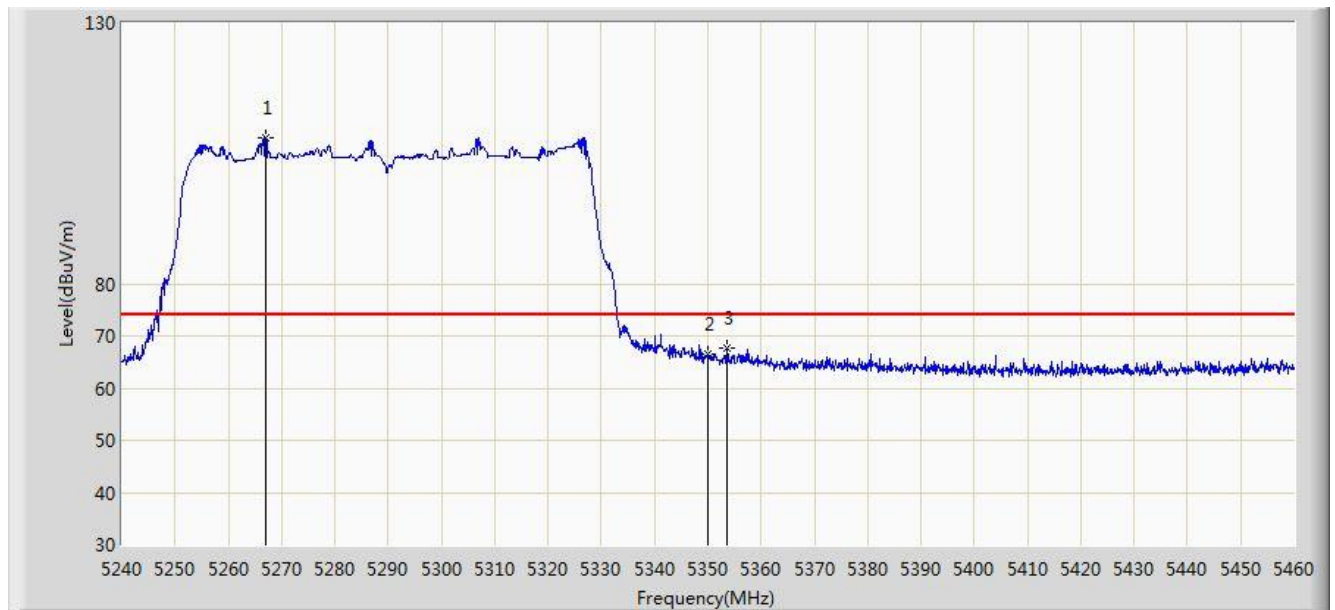


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5324.370	87.485	48.614	N/A	N/A	38.871	AV
2			5350.000	51.724	12.836	-2.276	54.000	38.888	AV

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

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

Site: AC2	Time: 2017/03/01 - 00:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz Ant 0 + 1 + 2 + 3	

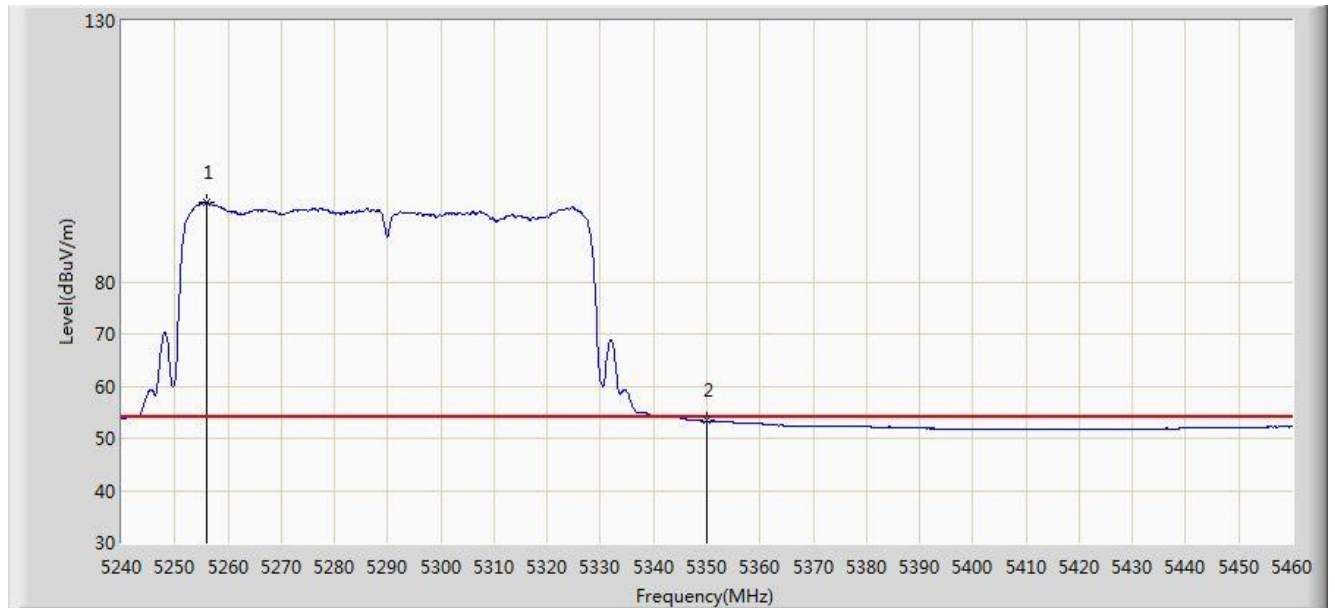


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5266.950	107.909	69.062	N/A	N/A	38.847	PK
2			5350.000	66.425	27.537	-7.575	74.000	38.888	PK
3			5353.630	67.741	28.849	-6.259	74.000	38.892	PK

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

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

Site: AC2	Time: 2017/03/01 - 00:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz Ant 0 + 1 + 2 + 3	

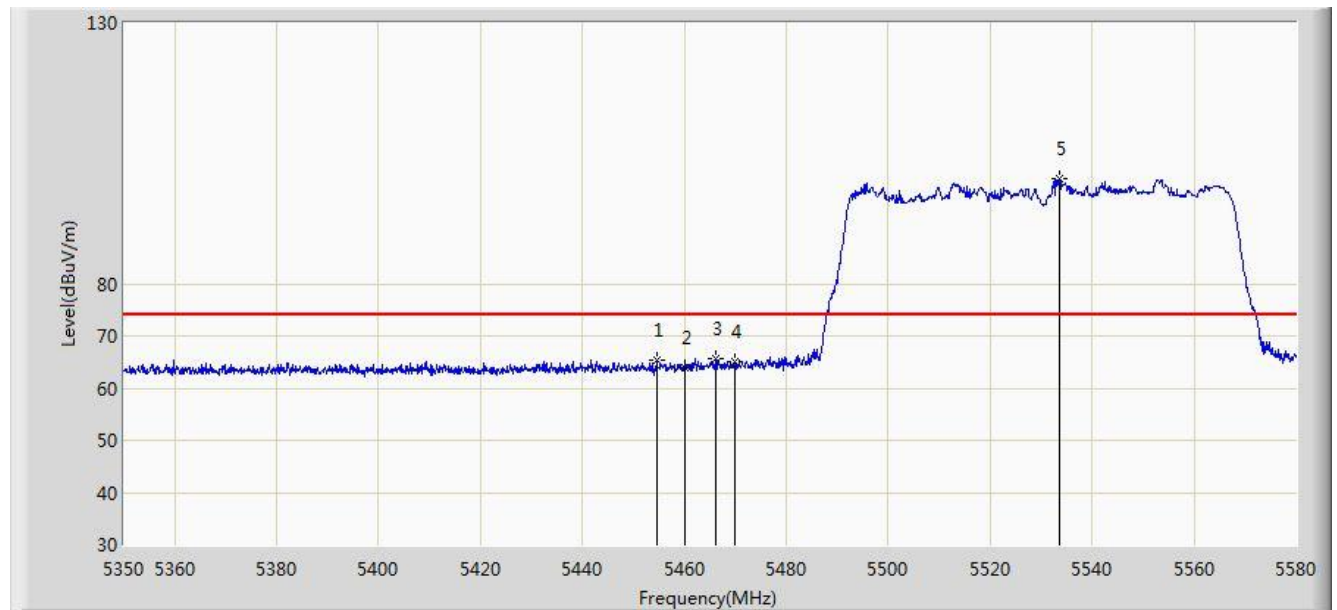


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5255.950	95.181	56.322	N/A	N/A	38.860	AV
2			5350.000	53.349	14.461	-0.651	54.000	38.888	AV

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

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

Site: AC2	Time: 2017/03/01 - 00:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz Ant 0 + 1 + 2 + 3	

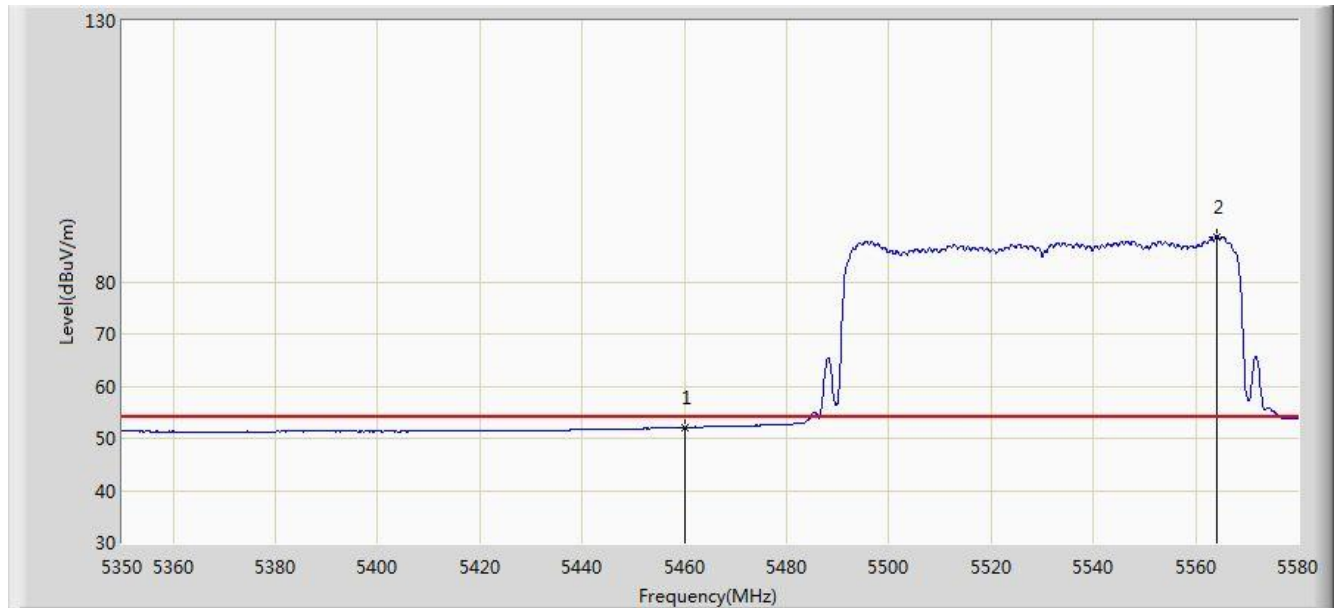


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5454.535	65.496	26.268	-8.504	74.000	39.228	PK
2			5460.000	63.795	24.509	-10.205	74.000	39.286	PK
3			5466.150	65.693	26.343	-8.307	74.000	39.350	PK
4			5470.000	64.936	25.546	-9.064	74.000	39.390	PK
5		*	5533.655	100.050	60.601	N/A	N/A	39.450	PK

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

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

Site: AC2	Time: 2017/03/01 - 00:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz Ant 0 + 1 + 2 + 3	

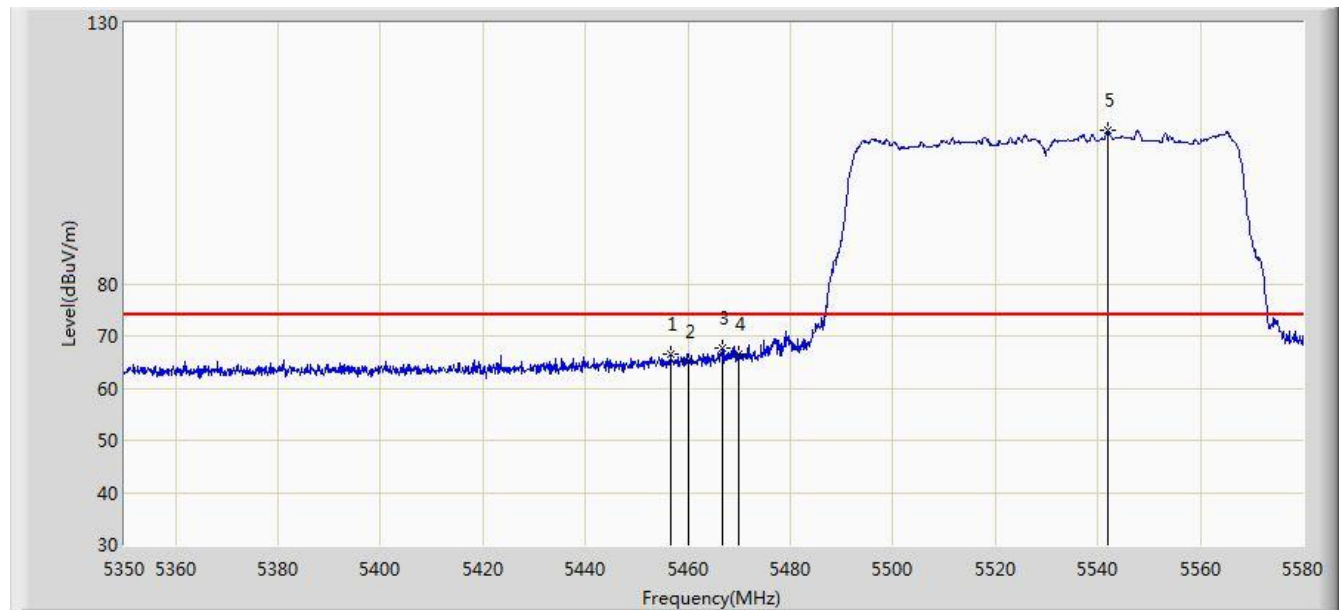


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	52.093	12.807	-1.907	54.000	39.286	AV
2		*	5564.015	88.586	49.182	N/A	N/A	39.404	AV

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

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

Site: AC2	Time: 2017/03/01 - 00:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz Ant 0 + 1 + 2 + 3	

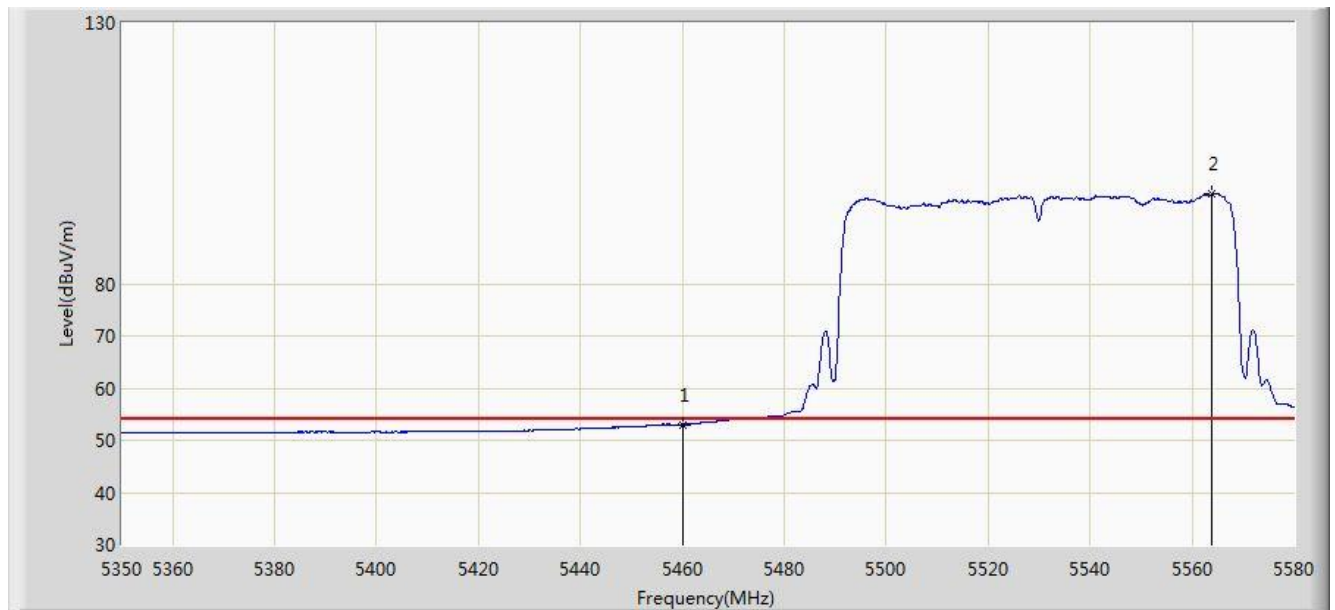


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5456.605	66.614	27.364	-7.386	74.000	39.251	PK
2			5460.000	65.027	25.741	-8.973	74.000	39.286	PK
3			5466.725	67.788	28.432	-6.212	74.000	39.356	PK
4			5470.000	66.568	27.178	-7.432	74.000	39.390	PK
5		*	5541.935	109.357	69.901	N/A	N/A	39.456	PK

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

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

Site: AC2	Time: 2017/03/01 - 00:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz Ant 0 + 1 + 2 + 3	

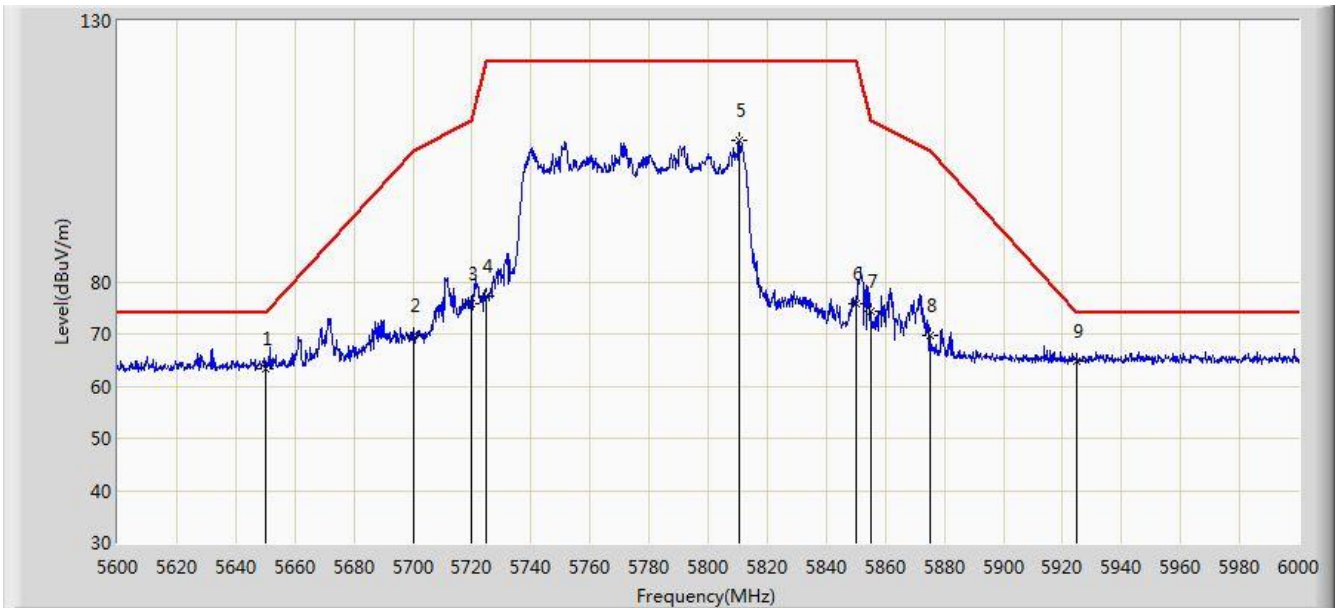


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	53.038	13.752	-0.962	54.000	39.286	AV
2		*	5563.785	97.303	57.896	N/A	N/A	39.406	AV

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

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

Site: AC1	Time: 2016/11/30 - 14:57
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz, Ant 0+1+2+3	

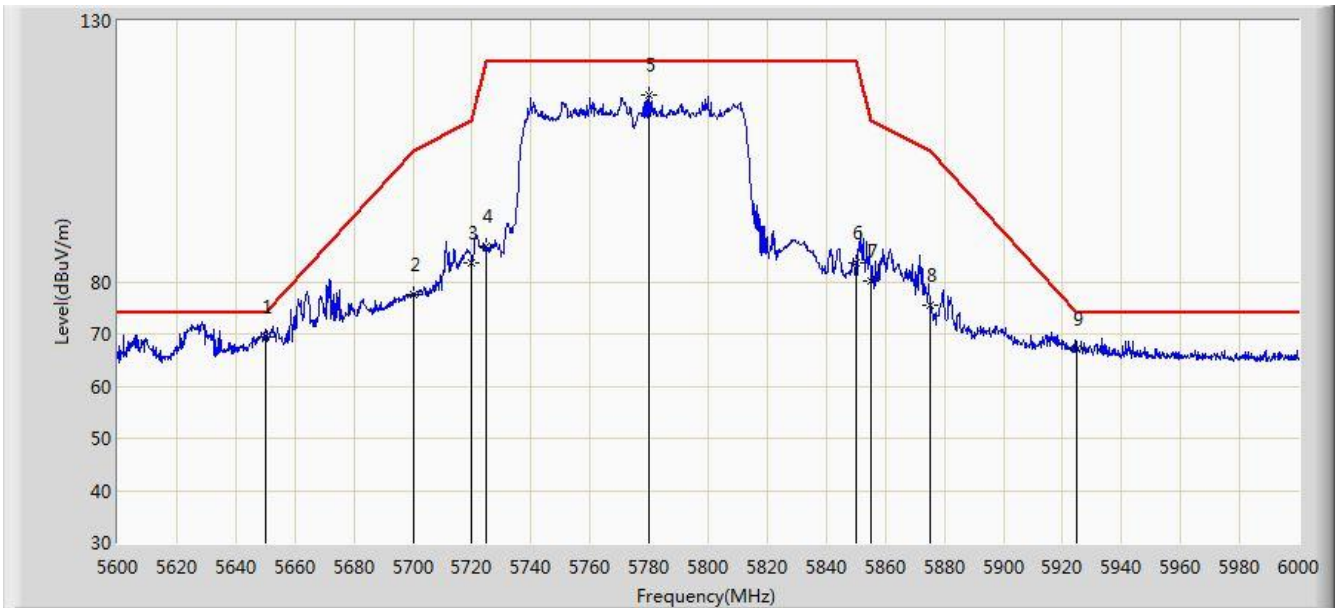


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	63.397	25.610	-10.603	74.000	37.787	PK
2			5700.000	69.832	31.940	-35.368	105.200	37.892	PK
3			5720.000	75.699	37.730	-35.101	110.800	37.970	PK
4			5725.000	77.167	39.177	-45.033	122.200	37.990	PK
5			5810.600	107.240	68.944	N/A	N/A	38.296	PK
6			5850.000	75.679	37.226	-46.521	122.200	38.454	PK
7			5855.000	74.363	35.898	-36.437	110.800	38.465	PK
8			5875.000	69.761	31.264	-35.439	105.200	38.497	PK
9		*	5925.000	64.851	26.318	-9.149	74.000	38.533	PK

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

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

Site: AC1	Time: 2016/11/30 - 14:55
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz, 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		*	5650.000	69.288	31.501	-4.712	74.000	37.787	PK
2			5700.000	77.502	39.610	-27.698	105.200	37.892	PK
3			5720.000	83.634	45.665	-27.166	110.800	37.970	PK
4			5725.000	86.817	48.827	-35.383	122.200	37.990	PK
5			5780.000	115.821	77.627	N/A	N/A	38.194	PK
6			5850.000	83.531	45.078	-38.669	122.200	38.454	PK
7			5855.000	80.240	41.775	-30.560	110.800	38.465	PK
8			5875.000	75.364	36.867	-29.836	105.200	38.497	PK
9			5925.000	67.082	28.549	-6.918	74.000	38.533	PK

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

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

7.10. AC Conducted Emissions Measurement

7.10.1. Test Limit

FCC Part 15.207 Limits		
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.

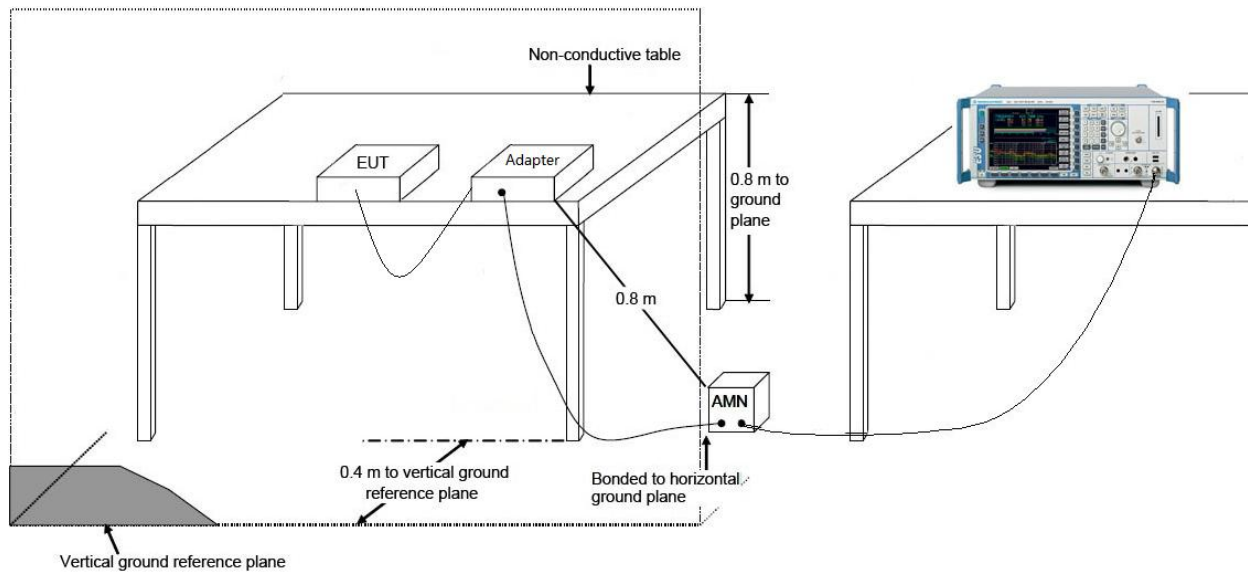
7.10.2. Test Procedure

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.

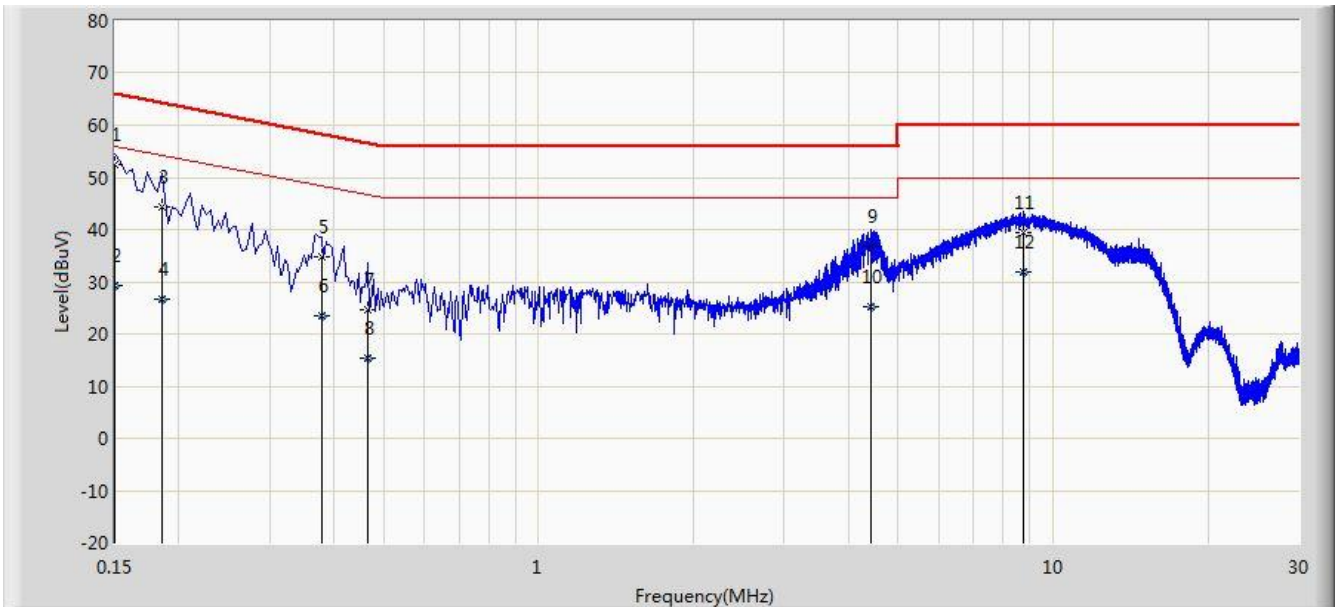
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

7.10.3. Test Setup



7.10.4. Test Result

Site: SR2	Time: 2016/12/12 - 21:00
Limit: FCC_Part15.207_CE_AC Power	Engineer: Bruce Wang
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode 1	

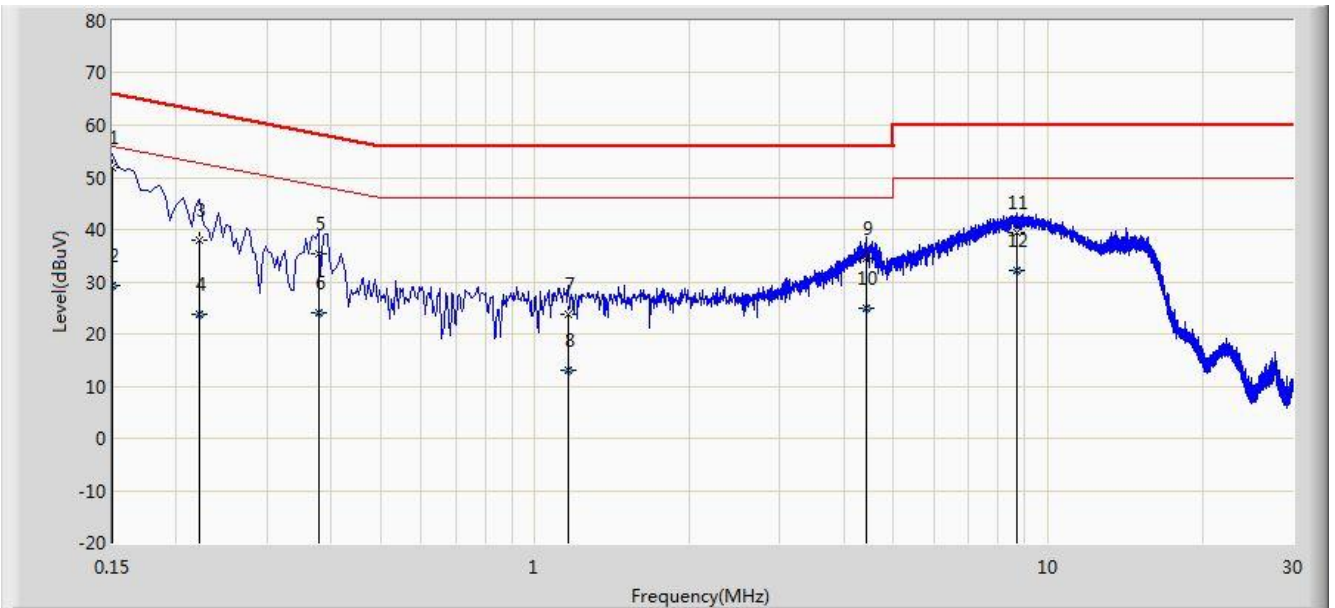


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.150	52.585	41.417	-13.415	66.000	11.168	QP
2			0.150	29.356	18.187	-26.644	56.000	11.168	AV
3			0.186	44.414	34.376	-19.799	64.213	10.039	QP
4			0.186	26.540	16.501	-27.673	54.213	10.039	AV
5			0.378	34.661	24.594	-23.662	58.323	10.067	QP
6			0.378	23.603	13.535	-24.721	48.323	10.067	AV
7			0.466	24.687	14.548	-31.898	56.585	10.139	QP
8			0.466	15.434	5.295	-31.151	46.585	10.139	AV
9			4.434	36.672	26.686	-19.328	56.000	9.986	QP
10			4.434	25.233	15.247	-20.767	46.000	9.986	AV
11			8.770	39.276	29.109	-20.724	60.000	10.167	QP
12			8.770	31.866	21.699	-18.134	50.000	10.167	AV

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

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

Site: SR2	Time: 2016/12/12 - 21:02
Limit: FCC_Part15.207_CE_AC Power	Engineer: Bruce Wang
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.150	52.008	40.866	-13.992	66.000	11.142	QP
2			0.150	29.138	17.996	-26.862	56.000	11.142	AV
3			0.222	37.895	27.915	-24.849	62.744	9.980	QP
4			0.222	23.745	13.766	-28.999	52.744	9.980	AV
5			0.378	35.460	25.364	-22.863	58.323	10.096	QP
6			0.378	24.110	14.014	-24.213	48.323	10.096	AV
7			1.162	23.910	14.006	-32.090	56.000	9.904	QP
8			1.162	12.984	3.080	-33.016	46.000	9.904	AV
9			4.434	34.588	24.594	-21.412	56.000	9.994	QP
10			4.434	24.800	14.806	-21.200	46.000	9.994	AV
11			8.702	39.387	29.193	-20.613	60.000	10.194	QP
12			8.702	32.070	21.876	-17.930	50.000	10.194	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 EUT: **Indoor GPON HGU FCC ID: I88C424G** is in compliance with Part 15E of the FCC Rules.

The End