Test Mode:	802.11a	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7653.4	36.1	8.0	44.1	74.0	-29.9	Peak	Horizontal
*	9263.7	34.8	10.3	45.1	88.2	-43.1	Peak	Horizontal
	11565.5	39.9	12.7	52.6	74.0	-21.4	Peak	Horizontal
*	17354.0	41.7	16.9	58.6	88.2	-29.6	Peak	Horizontal
	7359.7	36.0	8.0	44.0	74.0	-30.0	Peak	Vertical
*	9253.7	34.9	10.2	45.1	88.2	-43.1	Peak	Vertical
	11565.5	39.0	12.7	51.7	74.0	-22.3	Peak	Vertical
*	17354.0	41.0	16.9	57.9	88.2	-30.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7470.2	36.5	8.1	44.6	74.0	-29.4	Peak	Horizontal
*	8951.3	35.1	9.0	44.1	88.2	-44.1	Peak	Horizontal
	11662.2	40.8	12.3	53.1	74.0	-20.9	Peak	Horizontal
*	17490.5	42.5	17.2	59.7	88.2	-28.5	Peak	Horizontal
	7466.2	36.2	8.1	44.3	74.0	-29.7	Peak	Vertical
*	8634.4	35.1	8.8	43.9	88.2	-44.3	Peak	Vertical
	11653.6	40.2	12.4	52.6	74.0	-21.4	Peak	Vertical
*	17490.5	41.5	17.2	58.7	88.2	-29.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8451.2	36.1	8.2	44.3	74.0	-29.7	Peak	Horizontal
*	10358.5	39.0	12.2	51.2	88.2	-37.0	Peak	Horizontal
	15543.5	39.7	12.2	51.9	74.0	-22.1	Peak	Horizontal
*	16793.0	36.0	14.8	50.8	88.2	-37.4	Peak	Horizontal
	7649.4	36.2	8.0	44.2	74.0	-29.8	Peak	Vertical
*	10358.5	43.6	12.2	55.8	88.2	-32.4	Peak	Vertical
	11532.4	34.3	12.7	47.0	74.0	-27.0	Peak	Vertical
*	14263.6	35.1	15.5	50.6	88.2	-37.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8428.7	35.7	8.2	43.9	74.0	-30.1	Peak	Horizontal
*	10435.0	43.1	12.0	55.1	88.2	-33.1	Peak	Horizontal
	15660.4	27.8	12.0	39.8	54.0	-14.2	Average	Horizontal
	15662.5	44.4	12.0	56.4	74.0	-17.6	Peak	Horizontal
*	16793.0	35.1	14.8	49.9	88.2	-38.3	Peak	Horizontal
	8426.4	35.7	8.2	43.9	74.0	-30.1	Peak	Vertical
*	10443.5	47.3	12.0	59.3	88.2	-28.9	Peak	Vertical
	15662.5	43.0	12.0	55.0	74.0	-19.0	Peak	Vertical
	15667.9	25.8	12.0	37.8	54.0	-16.2	Average	Vertical
*	16699.5	36.0	14.5	50.5	88.2	-37.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8624.7	36.1	8.8	44.9	74.0	-29.1	Peak	Horizontal
*	10477.5	41.8	12.2	54.0	88.2	-34.2	Peak	Horizontal
	15713.5	43.3	11.8	55.1	74.0	-18.9	Peak	Horizontal
	15720.0	26.9	11.8	38.7	54.0	-15.3	Average	Horizontal
*	16733.5	36.8	14.6	51.4	88.2	-36.8	Peak	Horizontal
	8426.4	36.5	8.2	44.7	74.0	-29.3	Peak	Vertical
*	10486.0	47.2	12.3	59.5	88.2	-28.7	Peak	Vertical
	15722.0	41.6	11.8	53.4	74.0	-20.6	Peak	Vertical
*	16835.5	36.0	15.0	51.0	88.2	-37.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7333.9	36.2	8.0	44.2	74.0	-29.8	Peak	Horizontal
*	9252.6	35.2	10.2	45.4	88.2	-42.8	Peak	Horizontal
	11500.5	41.7	12.8	54.5	74.0	-19.5	Peak	Horizontal
	11505.3	28.2	12.8	41.0	54.0	-13.0	Average	Horizontal
*	17260.7	41.1	16.0	57.1	88.2	-31.1	Peak	Horizontal
	7260.8	36.0	7.9	43.9	74.0	-30.1	Peak	Vertical
*	9252.8	34.7	10.2	44.9	88.2	-43.3	Peak	Vertical
	11500.5	38.7	12.8	51.5	74.0	-22.5	Peak	Vertical
*	17269.3	41.3	16.1	57.4	88.2	-30.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7333.7	36.1	8.0	44.1	74.0	-29.9	Peak	Horizontal
*	9262.7	34.9	10.2	45.1	88.2	-43.1	Peak	Horizontal
	11581.5	28.2	12.6	40.8	54.0	-13.2	Average	Horizontal
	11585.6	41.6	12.6	54.2	74.0	-19.8	Peak	Horizontal
*	17379.9	40.8	16.9	57.7	88.2	-30.5	Peak	Horizontal
	7364.9	35.9	8.0	43.9	74.0	-30.1	Peak	Vertical
*	9254.3	35.0	10.2	45.2	88.2	-43.0	Peak	Vertical
	11585.6	39.1	12.6	51.7	74.0	-22.3	Peak	Vertical
*	17371.4	42.7	16.9	59.6	88.2	-28.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7354.9	36.2	8.0	44.2	74.0	-29.8	Peak	Horizontal
*	9533.9	35.5	10.7	46.2	88.2	-42.0	Peak	Horizontal
	11653.6	40.2	12.4	52.6	74.0	-21.4	Peak	Horizontal
*	17490.5	41.9	17.2	59.1	88.2	-29.1	Peak	Horizontal
	7392.0	36.2	7.9	44.1	74.0	-29.9	Peak	Vertical
*	9521.5	35.5	10.6	46.1	88.2	-42.1	Peak	Vertical
	11662.2	39.7	12.3	52.0	74.0	-22.0	Peak	Vertical
*	17482.0	41.1	17.2	58.3	88.2	-29.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	38	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7452.2	35.5	8.1	43.6	74.0	-30.4	Peak	Horizontal
*	9210.3	34.8	10.1	44.9	88.2	-43.3	Peak	Horizontal
	11253.0	34.3	12.4	46.7	74.0	-27.3	Peak	Horizontal
*	16342.7	34.4	12.9	47.3	88.2	-40.9	Peak	Horizontal
	7523.5	35.7	8.3	44.0	74.0	-30.0	Peak	Vertical
*	10384.0	39.5	12.3	51.8	88.2	-36.4	Peak	Vertical
	11425.8	34.3	12.6	46.9	74.0	-27.1	Peak	Vertical
*	14523.9	34.3	15.7	50.0	88.2	-38.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	46	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9145.3	34.8	9.8	44.6	74.0	-29.4	Peak	Horizontal
*	10460.5	39.6	12.1	51.7	88.2	-36.5	Peak	Horizontal
	15679.5	41.2	11.9	53.1	74.0	-20.9	Peak	Horizontal
*	16203.3	34.6	12.5	47.1	88.2	-41.1	Peak	Horizontal
	8653.4	35.1	8.8	43.9	74.0	-30.1	Peak	Vertical
*	10460.5	42.7	12.1	54.8	88.2	-33.4	Peak	Vertical
	11526.4	34.7	12.7	47.4	74.0	-26.6	Peak	Vertical
*	13426.9	34.1	13.6	47.7	88.2	-40.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	151	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7373.0	36.4	7.9	44.3	74.0	-29.7	Peak	Horizontal
*	9262.6	34.8	10.2	45.0	88.2	-43.2	Peak	Horizontal
	11517.5	38.8	12.8	51.6	74.0	-22.4	Peak	Horizontal
*	17303.3	39.4	16.4	55.8	88.2	-32.4	Peak	Horizontal
	7367.1	36.7	8.0	44.7	74.0	-29.3	Peak	Vertical
*	9262.9	35.4	10.2	45.6	88.2	-42.7	Peak	Vertical
	11521.5	36.5	12.8	49.3	74.0	-24.7	Peak	Vertical
*	17282.3	38.1	16.1	54.2	88.2	-34.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	159	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7532.0	36.8	8.3	45.1	74.0	-28.9	Peak	Horizontal
*	9252.8	35.6	10.2	45.8	88.2	-42.4	Peak	Horizontal
	11602.6	38.2	12.6	50.8	74.0	-23.2	Peak	Horizontal
*	17405.4	39.5	17.0	56.5	88.2	-31.7	Peak	Horizontal
	7660.2	36.9	8.0	44.9	74.0	-29.1	Peak	Vertical
*	9255.8	35.9	10.2	46.1	88.2	-42.1	Peak	Vertical
	11601.6	37.3	12.6	49.9	74.0	-24.1	Peak	Vertical
*	17402.4	37.8	17.0	54.8	88.2	-33.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8356.4	35.9	8.0	43.9	74.0	-30.1	Peak	Horizontal
*	10367.0	39.6	12.2	51.8	88.2	-36.4	Peak	Horizontal
	15543.5	39.1	12.2	51.3	74.0	-22.7	Peak	Horizontal
*	16232.0	36.0	12.6	48.6	88.2	-39.6	Peak	Horizontal
	8326.7	35.8	8.0	43.8	74.0	-30.2	Peak	Vertical
*	10367.0	42.3	12.2	54.5	88.2	-33.7	Peak	Vertical
	13260.4	35.0	12.8	47.8	74.0	-26.2	Peak	Vertical
*	14520.4	34.6	15.7	50.3	88.2	-37.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8625.5	35.1	8.8	43.9	74.0	-30.1	Peak	Horizontal
*	10435.0	40.7	12.0	52.7	88.2	-35.5	Peak	Horizontal
	15660.4	29.2	12.0	41.2	54.0	-12.8	Average	Horizontal
	15662.5	44.7	12.0	56.7	74.0	-17.3	Peak	Horizontal
*	16253.4	34.6	12.7	47.3	88.2	-40.9	Peak	Horizontal
	8263.8	35.9	8.1	44.0	74.0	-30.0	Peak	Vertical
*	10443.5	46.5	12.0	58.5	88.2	-29.7	Peak	Vertical
	15662.5	42.5	12.0	54.5	74.0	-19.5	Peak	Vertical
	15668.3	24.8	12.0	36.8	54.0	-17.2	Average	Vertical
*	16235.4	35.1	12.6	47.7	88.2	-40.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8653.7	34.8	8.8	43.6	74.0	-30.4	Peak	Horizontal
*	10477.5	41.6	12.2	53.8	88.2	-34.4	Peak	Horizontal
	15720.3	28.4	11.8	40.2	54.0	-13.8	Average	Horizontal
	15722.0	42.8	11.8	54.6	74.0	-19.4	Peak	Horizontal
*	16230.5	35.9	12.6	48.5	88.2	-39.7	Peak	Horizontal
	8651.4	35.9	8.8	44.7	74.0	-29.3	Peak	Vertical
*	10486.0	45.7	12.3	58.0	88.2	-30.2	Peak	Vertical
	15727.5	25.5	11.8	37.3	54.0	-16.7	Average	Vertical
	15730.5	41.9	11.8	53.7	74.0	-20.3	Peak	Vertical
*	17230.5	36.1	15.9	52.0	88.2	-36.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.8	35.9	7.9	43.8	74.0	-30.2	Peak	Horizontal
*	8666.3	35.8	8.8	44.6	88.2	-43.6	Peak	Horizontal
	11500.5	40.4	12.8	53.2	74.0	-20.8	Peak	Horizontal
*	17260.7	41.4	16.0	57.4	88.2	-30.8	Peak	Horizontal
	7556.2	35.9	8.3	44.2	74.0	-29.8	Peak	Vertical
*	9255.6	34.5	10.2	44.7	88.2	-43.5	Peak	Vertical
	11509.0	39.7	12.8	52.5	74.0	-21.5	Peak	Vertical
*	17260.7	41.0	16.0	57.0	88.2	-31.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7553.9	36.0	8.3	44.3	74.0	-29.7	Peak	Horizontal
*	9258.1	35.0	10.2	45.2	88.2	-43.0	Peak	Horizontal
	11577.1	40.2	12.7	52.9	74.0	-21.1	Peak	Horizontal
*	17371.4	41.7	16.9	58.6	88.2	-29.6	Peak	Horizontal
	7292.1	36.2	8.0	44.2	74.0	-29.8	Peak	Vertical
*	9255.6	35.1	10.2	45.3	88.2	-42.9	Peak	Vertical
	11585.6	39.8	12.6	52.4	74.0	-21.6	Peak	Vertical
*	17371.4	41.0	16.9	57.9	88.2	-30.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8332.9	36.2	8.0	44.2	74.0	-29.8	Peak	Horizontal
*	9262.7	35.7	10.2	45.9	88.2	-42.3	Peak	Horizontal
	11662.2	40.2	12.3	52.5	74.0	-21.5	Peak	Horizontal
*	17490.5	43.0	17.2	60.2	88.2	-28.0	Peak	Horizontal
	7437.1	36.2	8.0	44.2	74.0	-29.8	Peak	Vertical
*	9255.6	35.1	10.2	45.3	88.2	-42.9	Peak	Vertical
	11653.6	40.1	12.4	52.5	74.0	-21.5	Peak	Vertical
*	17490.5	41.8	17.2	59.0	88.2	-29.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	38	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8347.5	36.3	8.0	44.3	74.0	-29.7	Peak	Horizontal
*	10380.0	34.8	12.3	47.1	88.2	-41.1	Peak	Horizontal
	11683.7	34.6	12.1	46.7	74.0	-27.3	Peak	Horizontal
*	12763.4	34.2	11.7	45.9	88.2	-42.3	Peak	Horizontal
	7352.4	35.5	8.0	43.5	74.0	-30.5	Peak	Vertical
*	10384.0	38.7	12.3	51.0	88.2	-37.2	Peak	Vertical
	13352.4	34.2	13.5	47.7	74.0	-26.3	Peak	Vertical
*	16203.5	34.6	12.5	47.1	88.2	-41.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	46	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8653.7	34.8	8.8	43.6	74.0	-30.4	Peak	Horizontal
*	10460.5	39.2	12.1	51.3	88.2	-36.9	Peak	Horizontal
	15688.0	43.6	11.9	55.5	74.0	-18.5	Peak	Horizontal
	15690.2	27.5	11.9	39.4	54.0	-14.6	Average	Horizontal
*	16204.6	35.3	12.5	47.8	88.2	-40.4	Peak	Horizontal
	8246.5	35.6	8.1	43.7	74.0	-30.3	Peak	Vertical
*	10460.5	43.5	12.1	55.6	88.2	-32.6	Peak	Vertical
	13346.5	34.7	13.4	48.1	74.0	-25.9	Peak	Vertical
*	14683.0	35.3	15.7	51.0	88.2	-37.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	151	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7367.2	36.0	8.0	44.0	74.0	-30.0	Peak	Horizontal
*	8662.4	35.7	8.8	44.5	88.2	-43.7	Peak	Horizontal
	11526.0	38.7	12.8	51.5	74.0	-22.5	Peak	Horizontal
*	17286.3	39.4	16.1	55.5	88.2	-32.7	Peak	Horizontal
	7321.9	35.6	8.0	43.6	74.0	-30.4	Peak	Vertical
*	8658.2	35.7	8.8	44.5	88.2	-43.7	Peak	Vertical
	11526.0	37.1	12.8	49.9	74.0	-24.1	Peak	Vertical
*	17277.8	39.3	16.1	55.4	88.2	-32.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	159	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7365.9	36.0	8.0	44.0	74.0	-30.0	Peak	Horizontal
*	8638.1	36.3	8.8	45.1	88.2	-43.1	Peak	Horizontal
	11602.6	38.9	12.6	51.5	74.0	-22.5	Peak	Horizontal
*	17422.4	38.9	17.1	56.0	88.2	-32.2	Peak	Horizontal
	7357.2	35.7	8.0	43.7	74.0	-30.3	Peak	Vertical
*	8660.7	35.9	8.8	44.7	88.2	-43.5	Peak	Vertical
	11594.1	37.6	12.6	50.2	74.0	-23.8	Peak	Vertical
*	17396.9	37.8	17.0	54.8	88.2	-33.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80	Test Site:	AC1
Test Channel:	42	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7349.6	35.6	8.0	43.6	74.0	-30.4	Peak	Horizontal
*	8629.4	35.2	8.8	44.0	88.2	-44.2	Peak	Horizontal
	10420.0	34.4	12.2	46.6	74.0	-27.4	Peak	Horizontal
*	16827.0	37.6	15.0	52.6	88.2	-35.6	Peak	Horizontal
	7349.5	36.3	8.0	44.3	74.0	-29.7	Peak	Vertical
*	8626.8	35.2	8.8	44.0	88.2	-44.2	Peak	Vertical
	10420.0	34.3	12.2	46.5	74.0	-27.5	Peak	Vertical
*	13406.5	34.1	13.7	47.8	88.2	-40.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Mode:	802.11ac-VHT80	Test Site:	AC1
Test Channel:	155	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7322.0	37.1	8.0	45.1	74.0	-28.9	Peak	Horizontal
*	8618.3	35.5	8.8	44.3	88.2	-43.9	Peak	Horizontal
	11560.0	37.7	12.7	50.4	74.0	-23.6	Peak	Horizontal
*	12849.0	34.6	11.9	46.5	88.2	-41.7	Peak	Horizontal
	7314.8	36.5	8.0	44.5	74.0	-29.5	Peak	Vertical
*	8652.5	35.7	8.8	44.5	88.2	-43.7	Peak	Vertical
	11517.5	36.9	12.8	49.7	74.0	-24.3	Peak	Vertical
*	13436.9	35.8	13.6	49.4	88.2	-38.8	Peak	Vertical

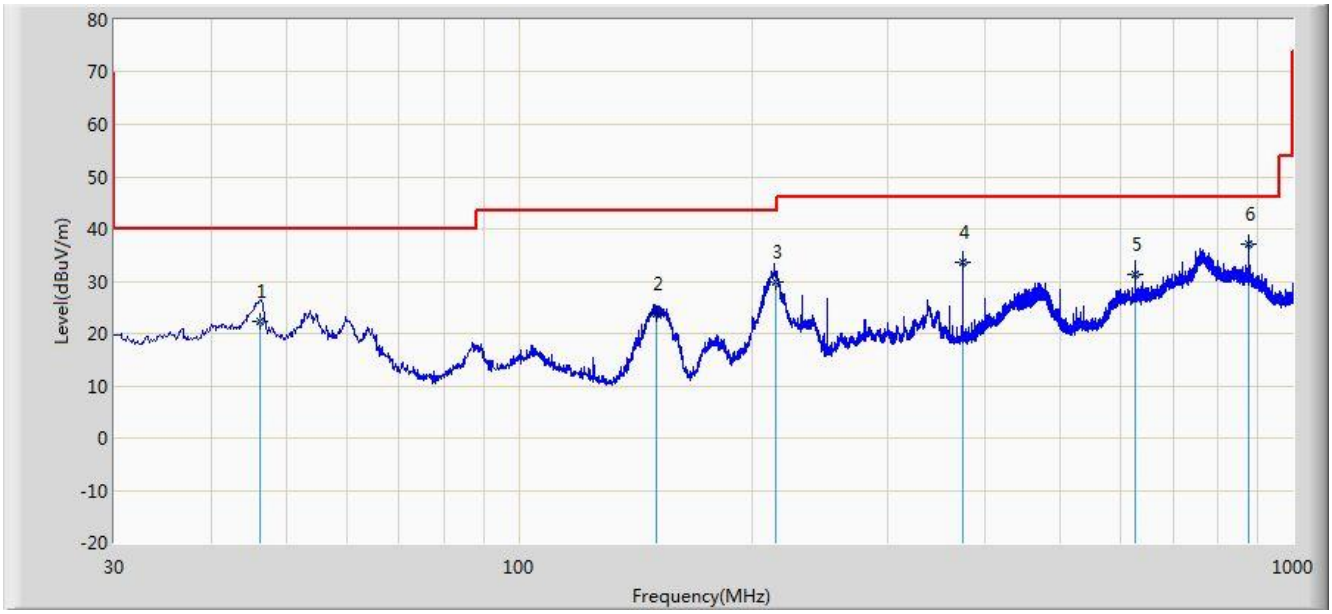
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The worst case of Radiated Emission below 1GHz:

Site: AC1	Time: 2015/02/05 - 09:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Note: There is the worst case within frequency range 30MHz~1GHz.	

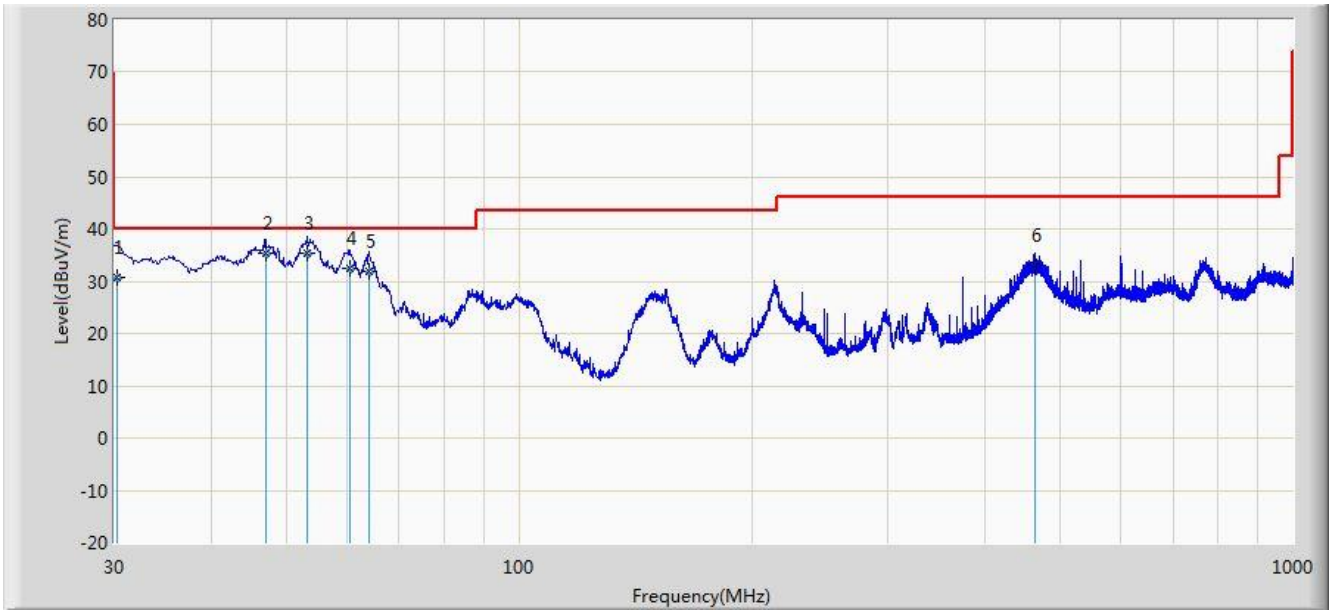


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			46.265	22.229	7.264	-17.771	40.000	14.966	QP
2			150.225	23.815	14.366	-19.685	43.500	9.449	QP
3			214.241	29.723	17.256	-13.777	43.500	12.467	QP
4			375.025	33.503	17.350	-12.497	46.000	16.152	QP
5			625.200	31.298	11.035	-14.702	46.000	20.263	QP
6		*	875.020	37.017	13.240	-8.983	46.000	23.777	QP

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

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

Site: AC1	Time: 2015/02/05 - 09:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Note: There is the worst case within frequency range 30MHz~1GHz.	

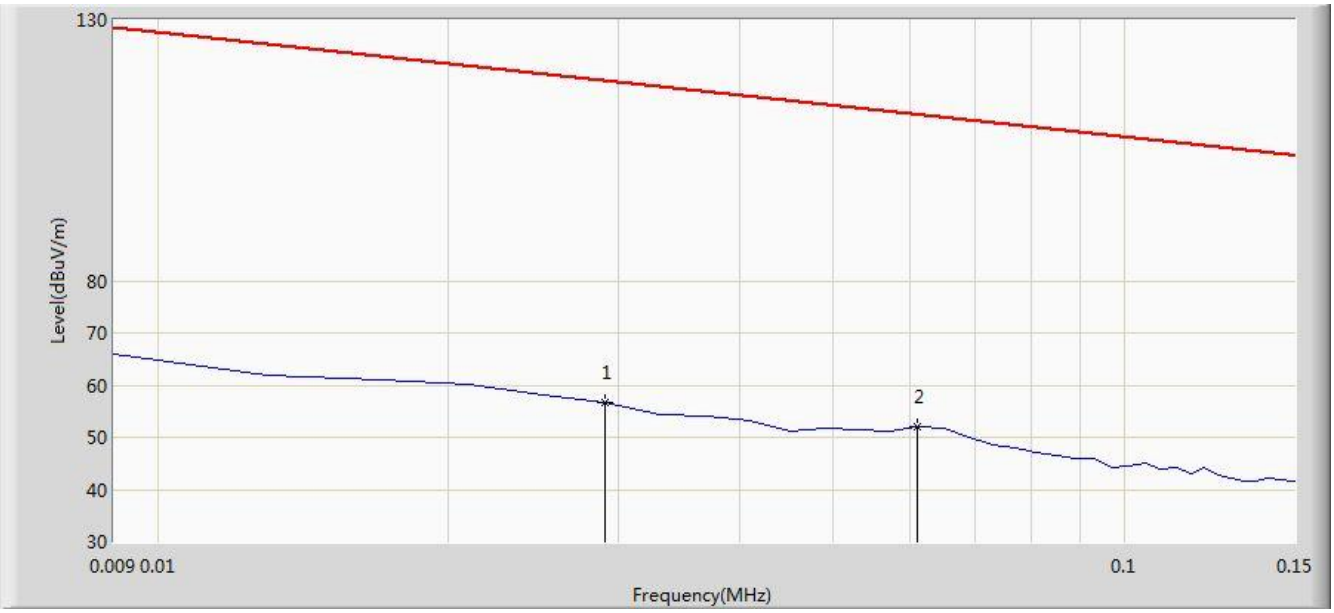


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			30.200	30.613	18.556	-9.387	40.000	12.057	QP
2		*	47.095	35.302	20.350	-4.698	40.000	14.952	QP
3			53.156	35.219	20.365	-4.781	40.000	14.854	QP
4			60.435	32.467	18.684	-7.533	40.000	13.784	QP
5			64.074	31.773	18.950	-8.227	40.000	12.823	QP
6			465.200	33.124	15.520	-12.876	46.000	17.604	QP

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

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

Site: AC1	Time: 2015/02/05 - 09:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

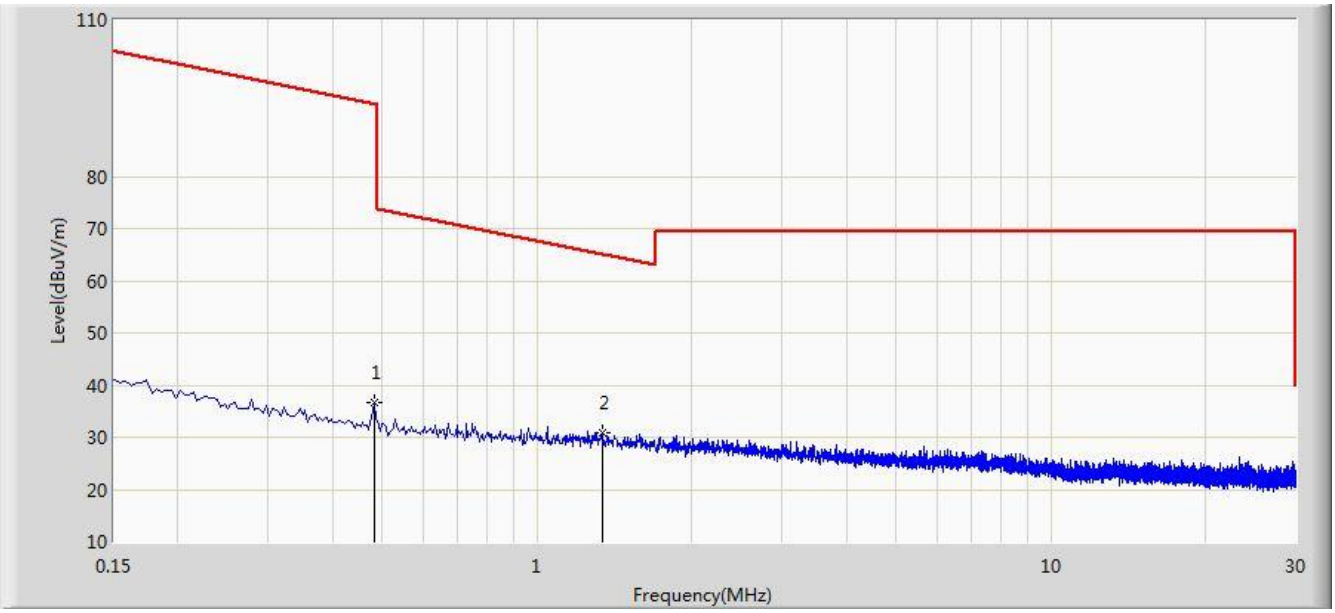


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.029	56.610	35.660	-61.732	118.342	21.049	QP
2		*	0.061	51.899	31.588	-59.988	111.887	20.311	QP

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

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

Site: AC1	Time: 2015/02/05 - 09:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

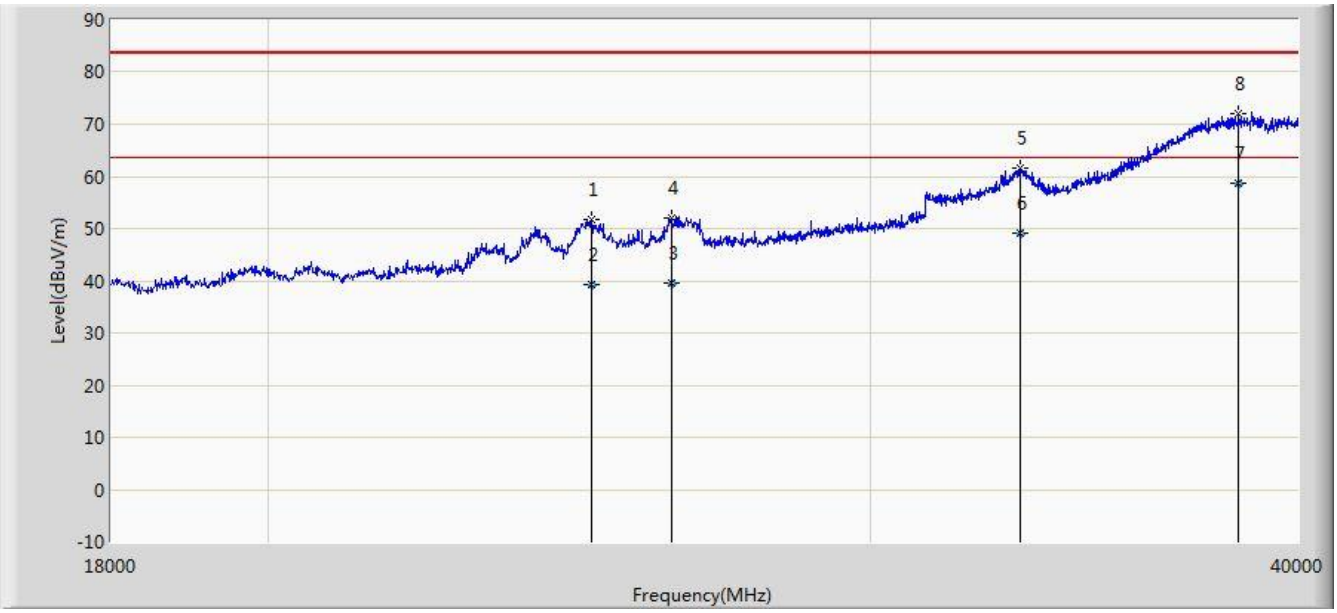


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.482	36.584	16.183	-57.359	93.943	20.401	QP
2		*	1.338	31.001	10.512	-34.098	65.099	20.489	QP

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

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

Site: AC1	Time: 2015/02/05 - 10:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~40GHz.	

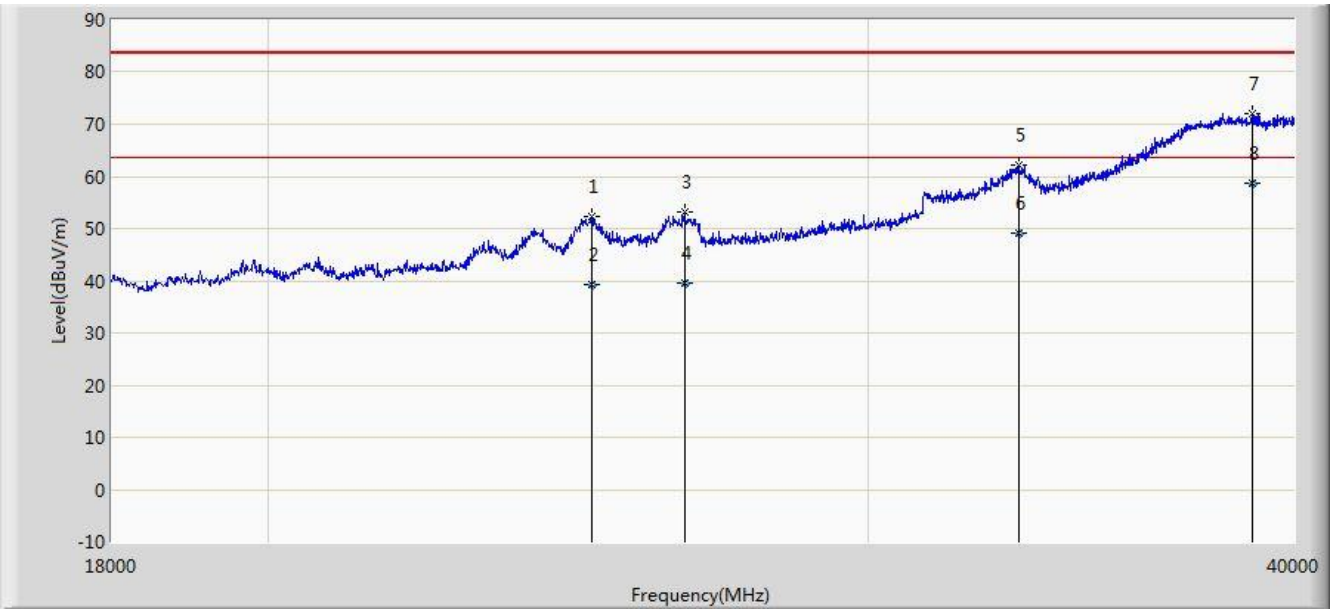


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			24864.000	51.836	37.061	-31.664	83.500	14.775	PK
2			24864.088	39.225	24.450	-24.275	63.500	14.775	AV
3			26260.988	39.469	24.050	-24.031	63.500	15.419	AV
4			26261.000	51.956	36.537	-31.544	83.500	15.419	PK
5			33180.000	61.461	39.940	-22.039	83.500	21.521	PK
6			33180.361	49.061	27.540	-14.439	63.500	21.521	AV
7		*	38437.980	58.523	31.190	-4.977	63.500	27.333	AV
8			38438.000	72.021	44.688	-11.479	83.500	27.333	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2015/02/05 - 10:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~40GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			24886.000	52.313	37.528	-31.187	83.500	14.785	PK
2			24886.970	39.234	24.449	-24.266	63.500	14.785	AV
3			26503.000	53.227	37.207	-30.273	83.500	16.020	PK
4			26503.872	39.572	23.550	-23.928	63.500	16.022	AV
5			33213.000	62.110	40.572	-21.390	83.500	21.538	PK
6			33213.984	49.098	27.560	-14.402	63.500	21.538	AV
7			38900.000	72.096	44.211	-11.404	83.500	27.885	PK
8		*	38900.755	58.705	30.820	-4.795	63.500	27.885	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

7.9. Radiated Restricted Band Edge Measurement

7.9.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1]0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])

For 15.407(b) requirement:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of −17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of −27 dBm/MHz.

Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBuV/m)
5150 - 5250	-27	68.2
5725 - 5850	-17	78.2
	-27	68.2

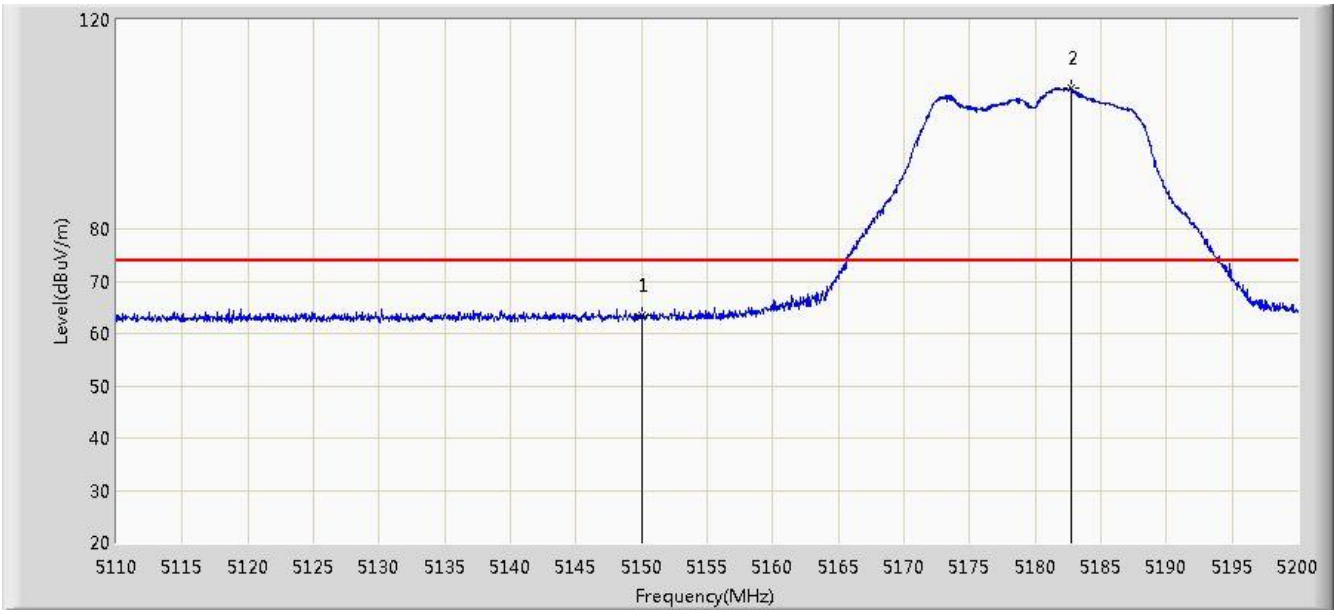
Note: Refer to ANSI C63.10-2013 section 12.7.2, as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [V/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.9.2. Test Result of Radiated Restricted Band Edge

Site: AC1	Time: 2015/01/11 - 10:15
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 5180MHz by 802.11a Ant 0+1+2+3	

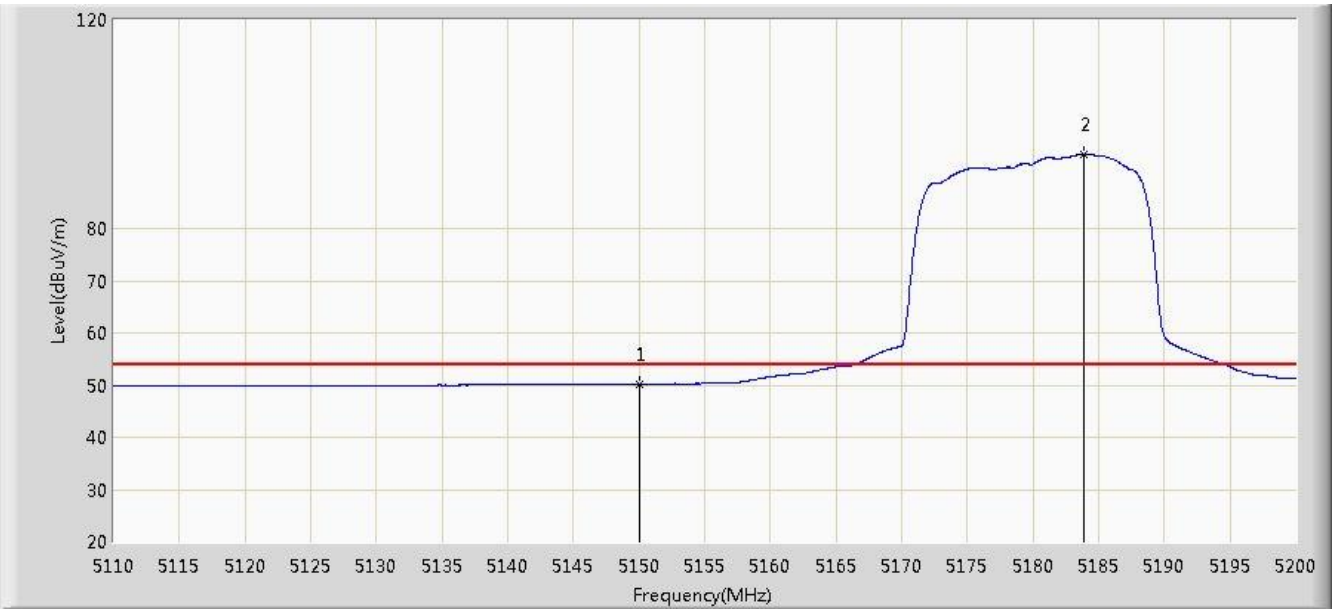


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	63.480	26.028	-10.520	74.000	37.452	PK
2		*	5182.765	106.825	69.458	N/A	N/A	37.368	PK

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

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

Site: AC1	Time: 2015/01/11 - 10:32
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 5180MHz by 802.11a Ant 0+1+2+3	

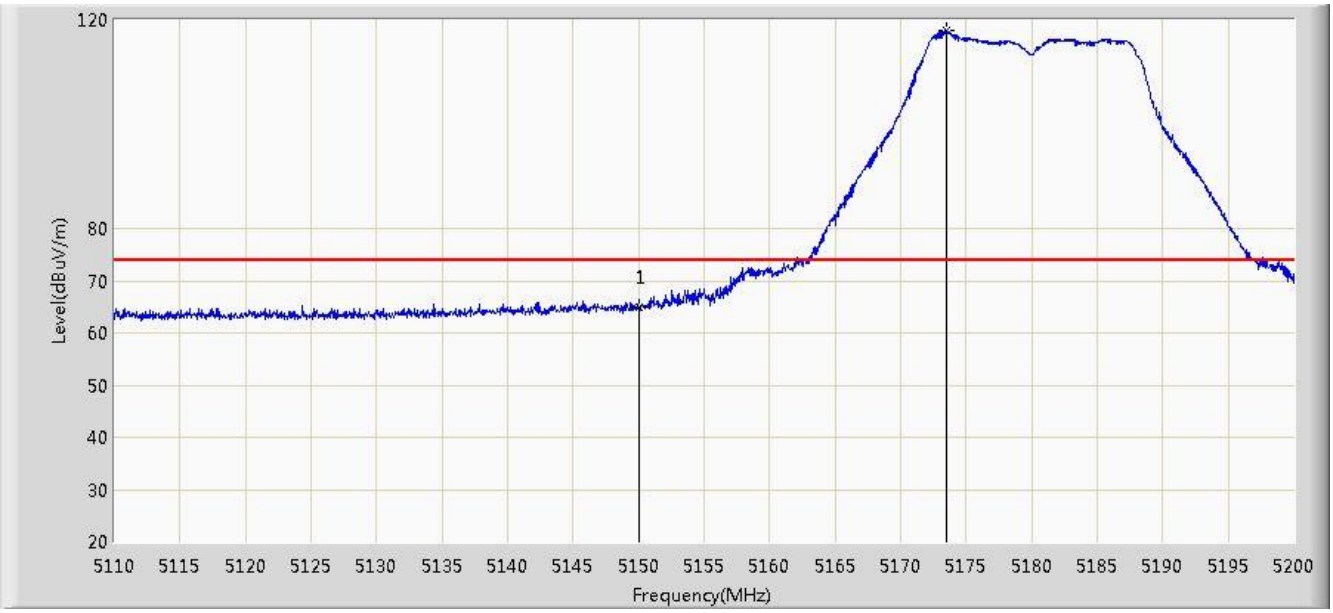


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.161	12.709	-3.839	54.000	37.452	AV
2		*	5183.845	94.336	56.972	N/A	N/A	37.365	AV

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

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

Site: AC1	Time: 2015/01/11 - 10:34
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 5180MHz by 802.11a Ant 0+1+2+3	

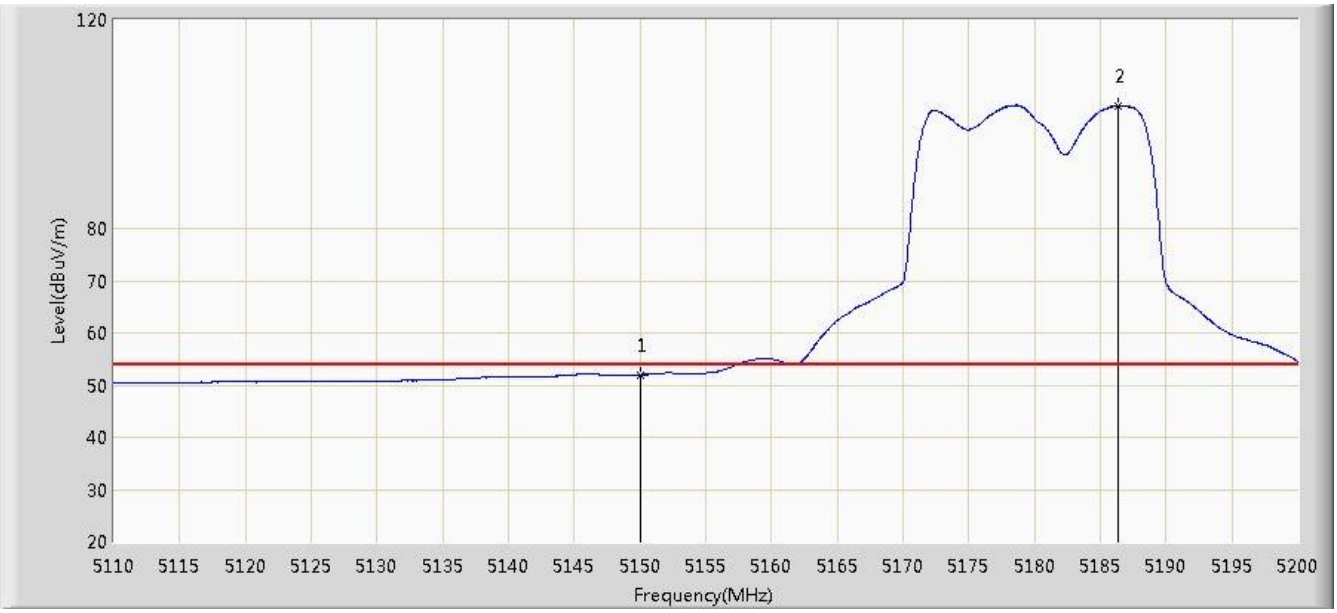


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	64.939	27.487	-9.061	74.000	37.452	PK
2		*	5173.540	117.931	80.543	N/A	N/A	37.388	PK

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

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

Site: AC1	Time: 2015/01/11 - 10:39
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 5180MHz by 802.11a Ant 0+1+2+3	

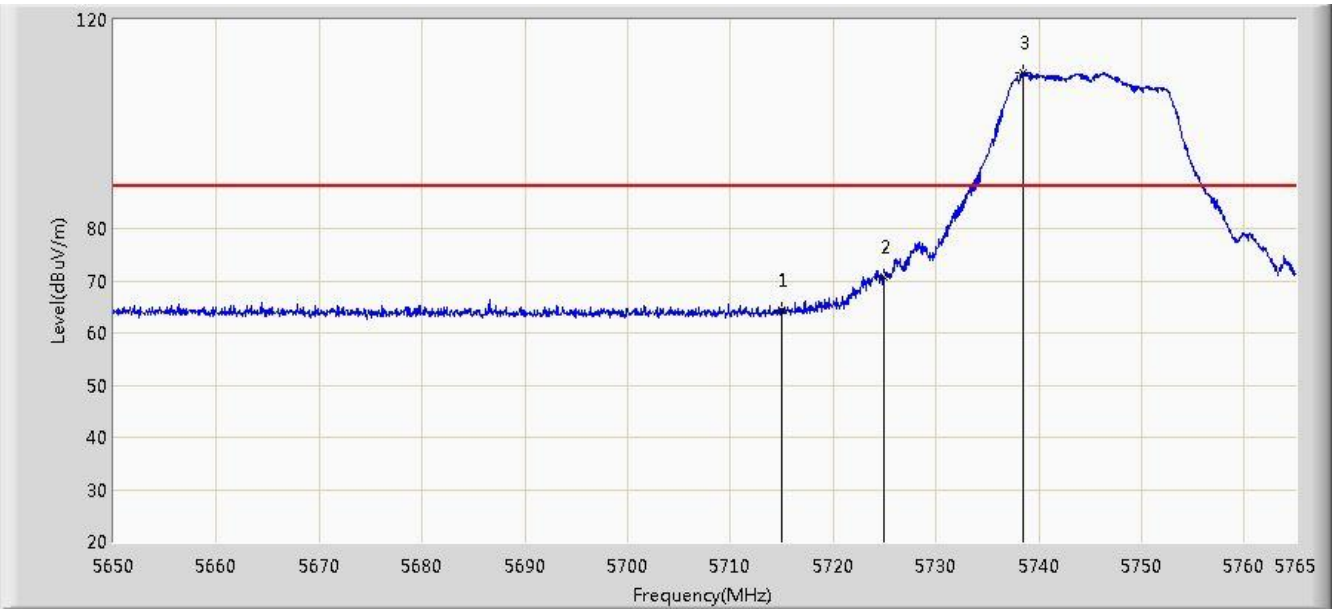


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.965	14.513	-2.035	54.000	37.452	AV
2		*	5186.365	103.528	66.170	N/A	N/A	37.358	AV

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

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

Site: AC1	Time: 2015/01/11 - 11:09
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11a Ant 0+1+2+3	

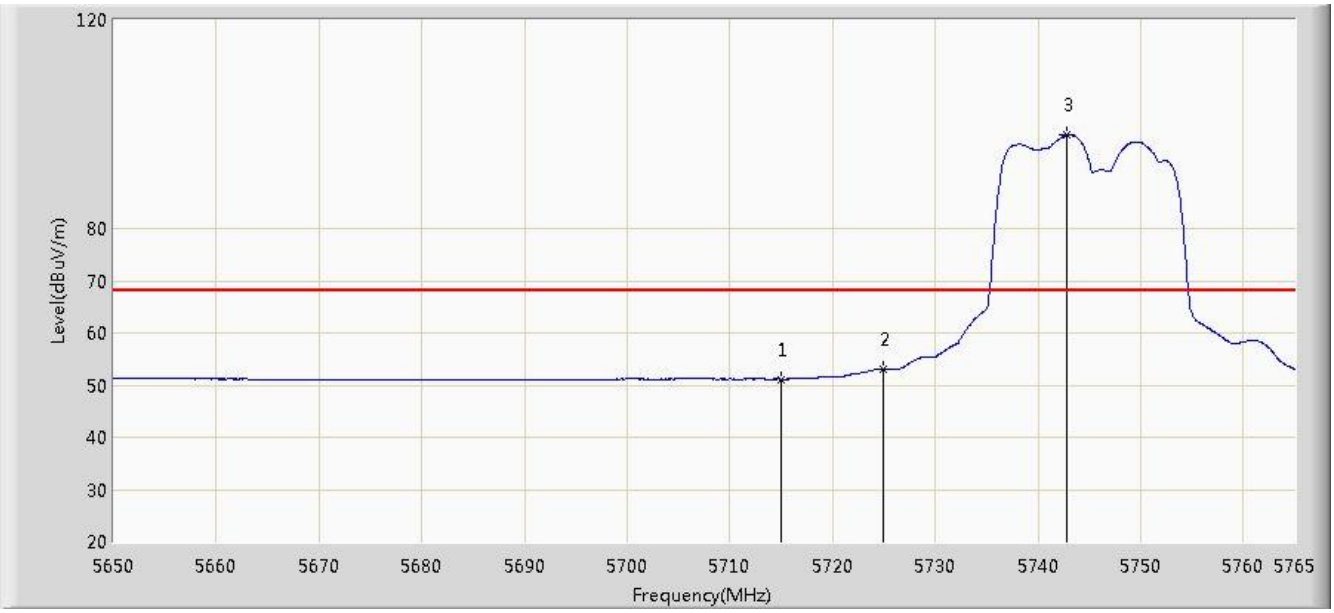


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	64.482	26.533	-23.718	88.200	37.949	PK
2			5725.000	70.600	32.610	-27.600	98.200	37.990	PK
3		*	5738.550	109.995	71.949	N/A	N/A	38.046	PK

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

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

Site: AC1	Time: 2015/01/11 - 11:12
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11a Ant 0+1+2+3	

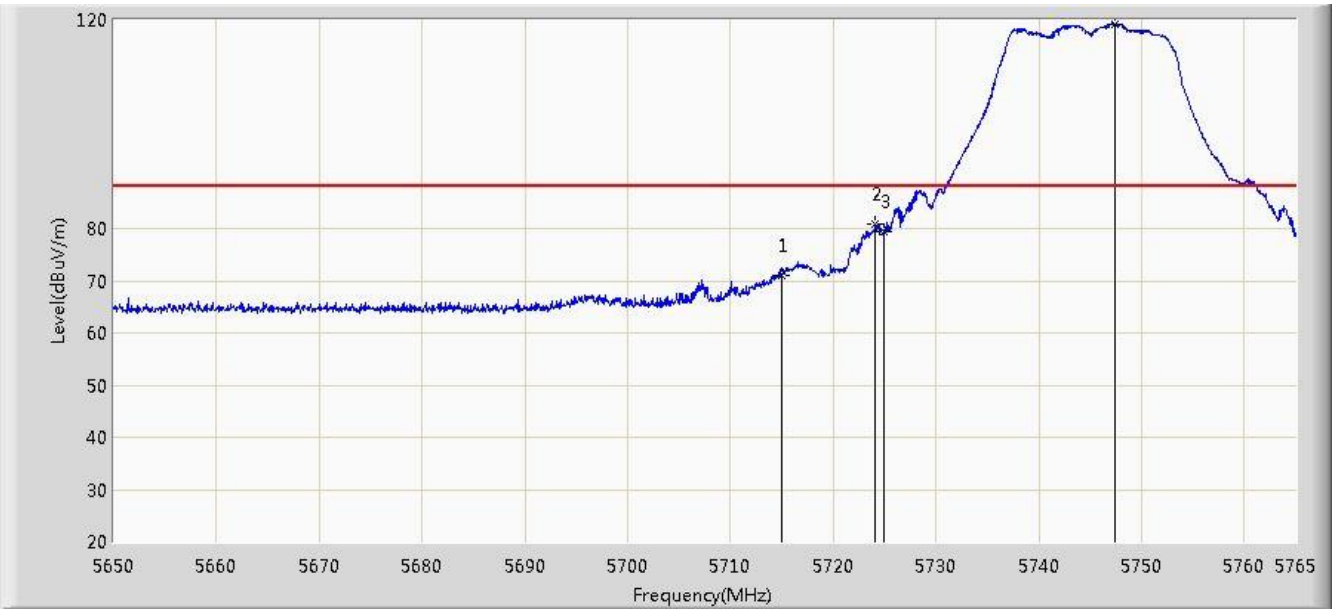


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.142	13.193	-17.058	68.200	37.949	AV
2			5725.000	53.035	15.045	-25.165	78.200	37.990	AV
3		*	5742.748	97.934	59.873	N/A	N/A	38.061	AV

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

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

Site: AC1	Time: 2015/01/11 - 11:14
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11a Ant 0+1+2+3	

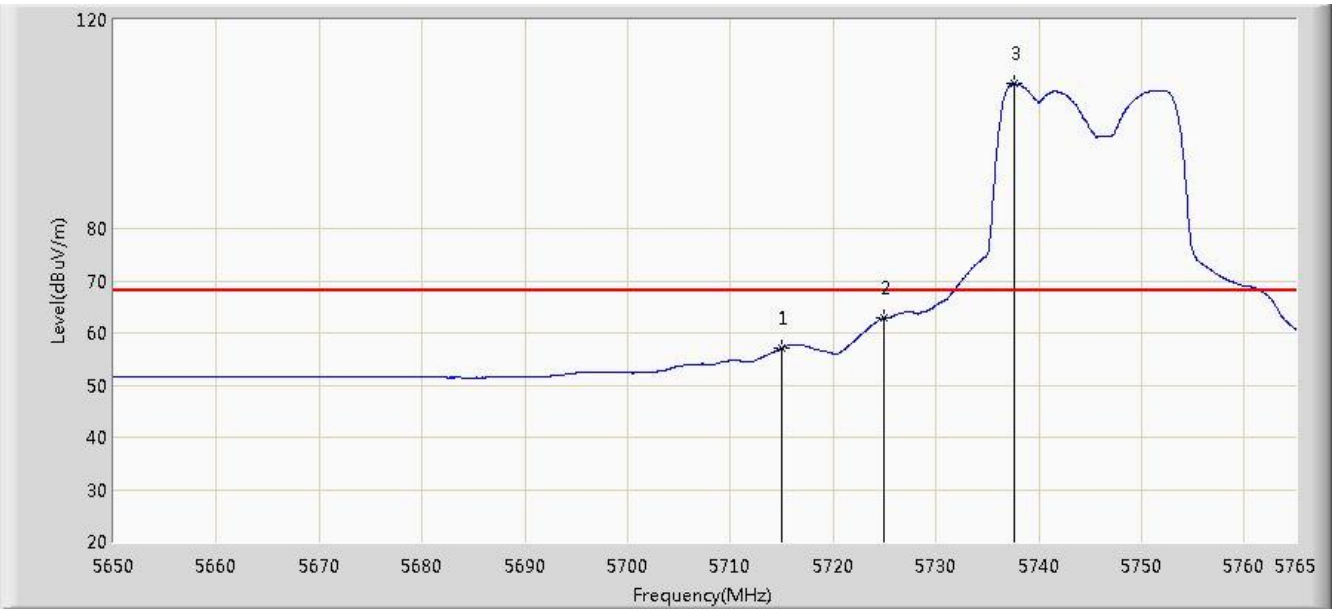


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	70.882	32.933	-17.318	88.200	37.949	PK
2			5724.118	80.876	42.890	-17.324	98.200	37.987	PK
3			5725.000	79.530	41.540	-18.670	98.200	37.990	PK
4		*	5747.348	119.232	81.149	N/A	N/A	38.083	PK

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

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

Site: AC1	Time: 2015/01/11 - 11:17
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11a Ant 0+1+2+3	

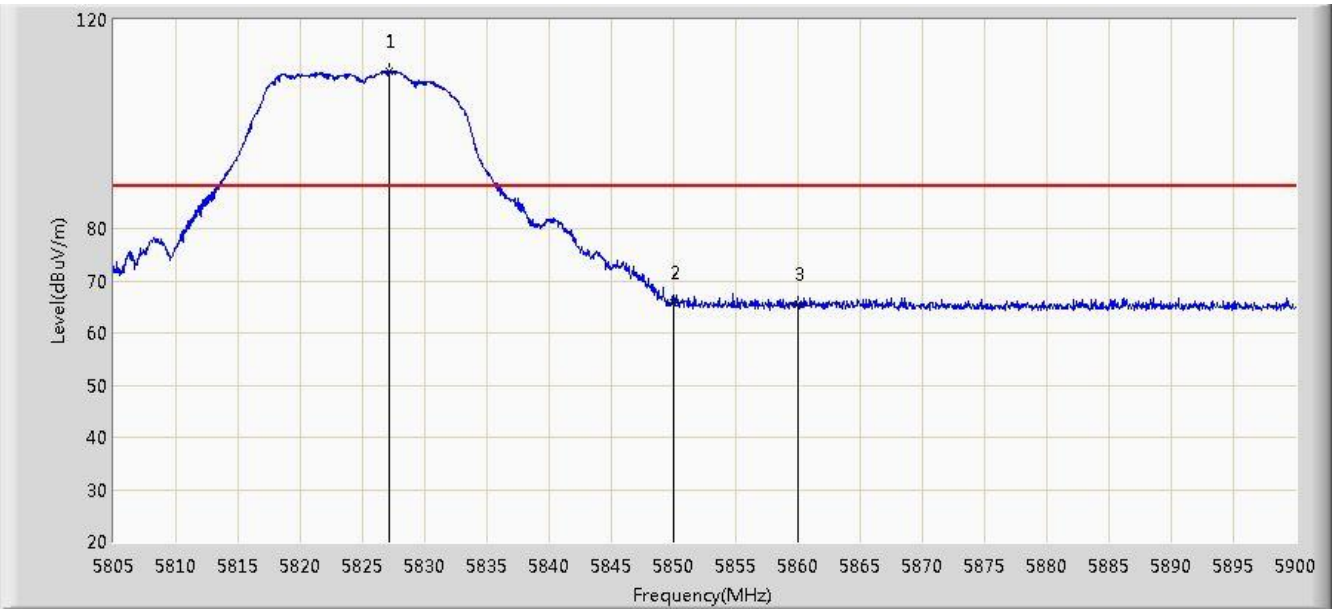


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	57.119	19.170	-11.081	68.200	37.949	AV
2			5725.000	62.887	24.897	-15.313	78.200	37.990	AV
3		*	5737.572	107.798	69.756	N/A	N/A	38.041	AV

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

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

Site: AC1	Time: 2015/01/11 - 11:23
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11a Ant 0+1+2+3	

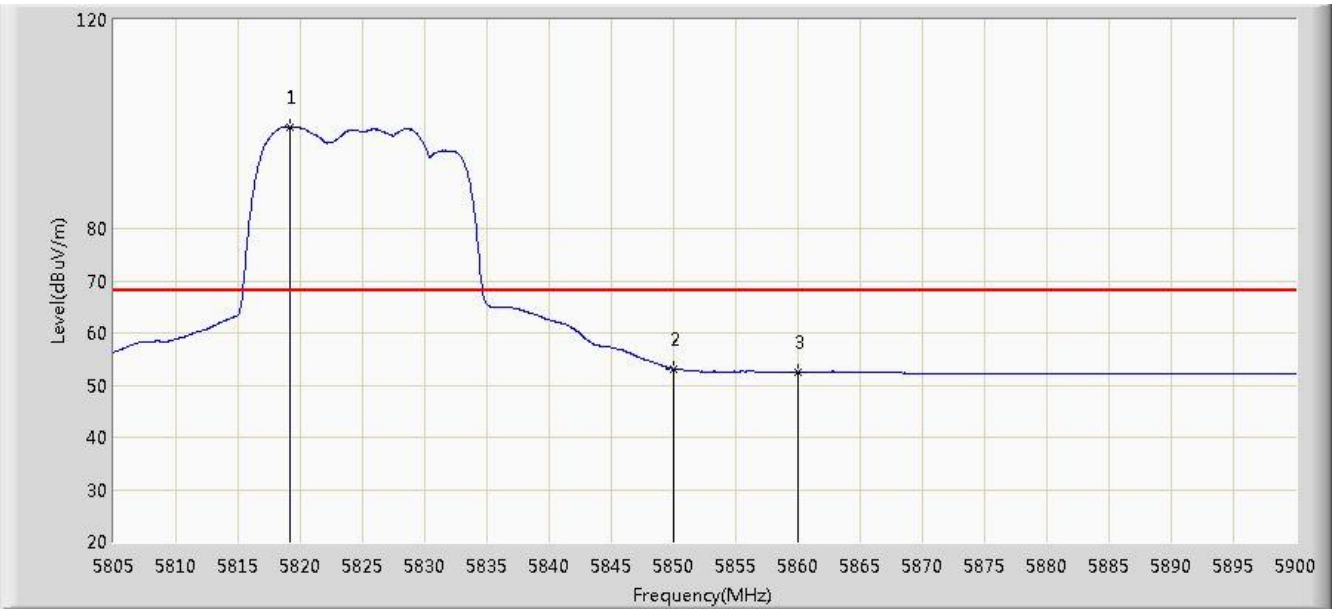


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5827.135	110.184	71.820	N/A	N/A	38.364	PK
2			5850.000	65.692	27.239	-32.508	98.200	38.454	PK
3			5860.000	65.553	27.075	-22.647	88.200	38.478	PK

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

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

Site: AC1	Time: 2015/01/11 - 11:25
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11a Ant 0+1+2+3	

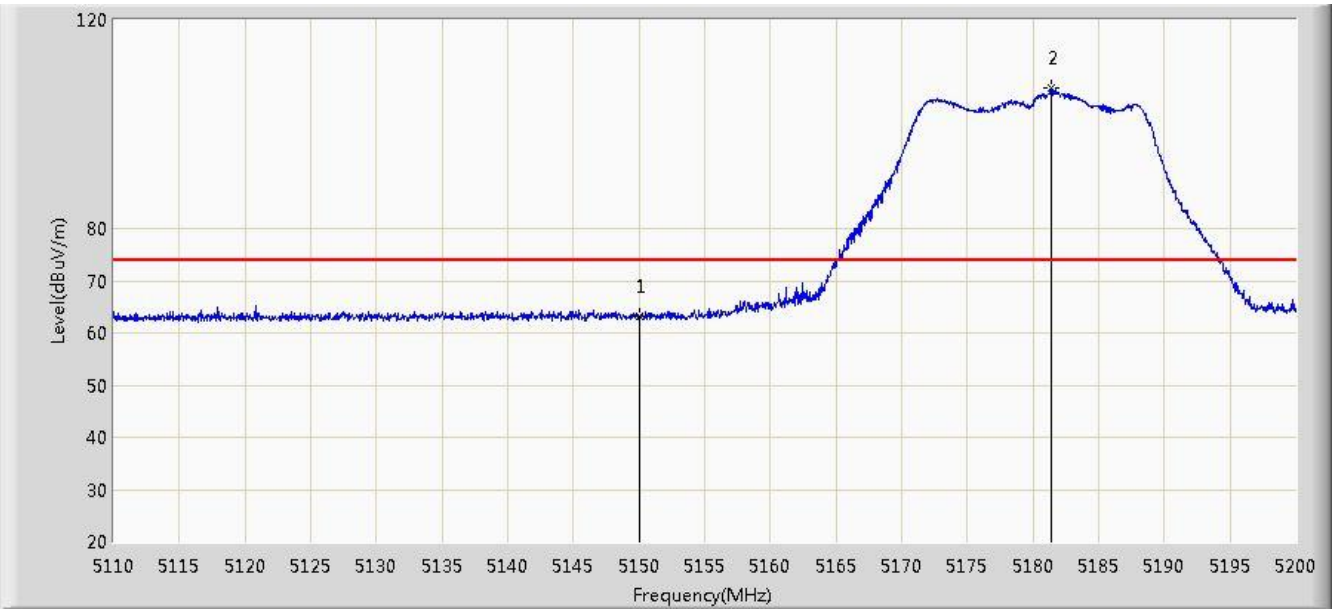


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.155	99.538	61.207	N/A	N/A	38.331	AV
2			5850.000	53.112	14.659	-25.088	78.200	38.454	AV
3			5860.000	52.530	14.052	-15.670	68.200	38.478	AV

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

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

Site: AC1	Time: 2015/01/11 - 11:34
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 5180MHz by 802.11n-HT20 Ant 0+1+2+3	

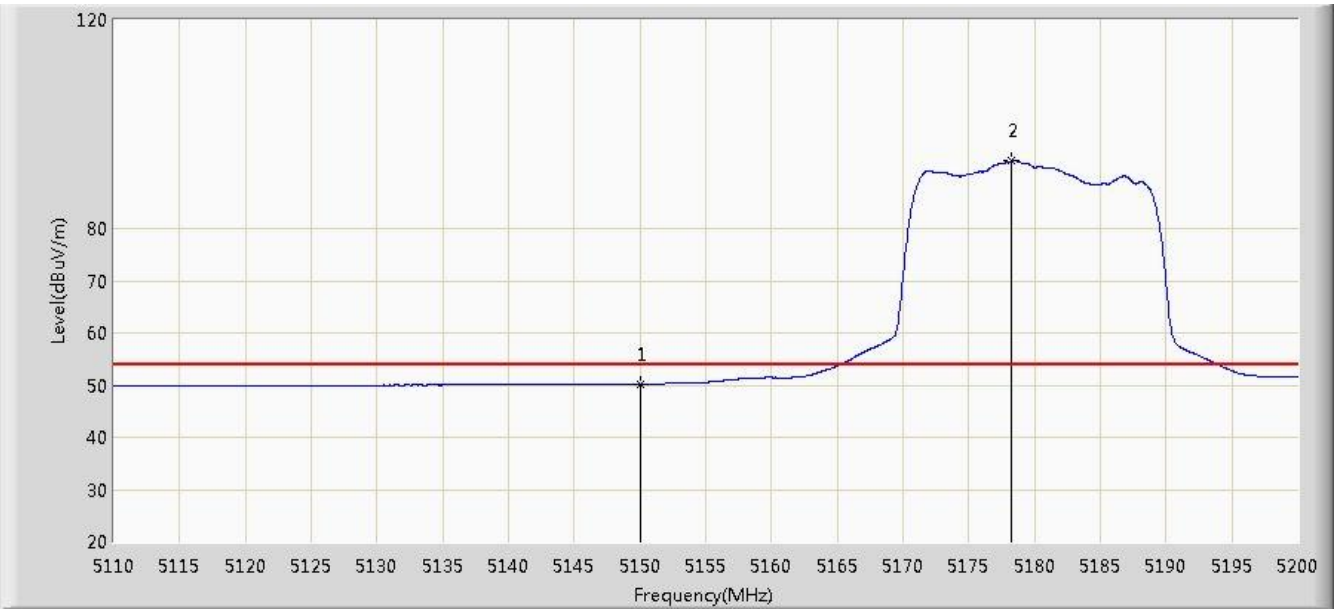


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	63.113	25.661	-10.887	74.000	37.452	PK
2		*	5181.370	106.851	69.480	N/A	N/A	37.370	PK

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

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

Site: AC1	Time: 2015/01/11 - 11:37
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 5180MHz by 802.11n-HT20 Ant 0+1+2+3	

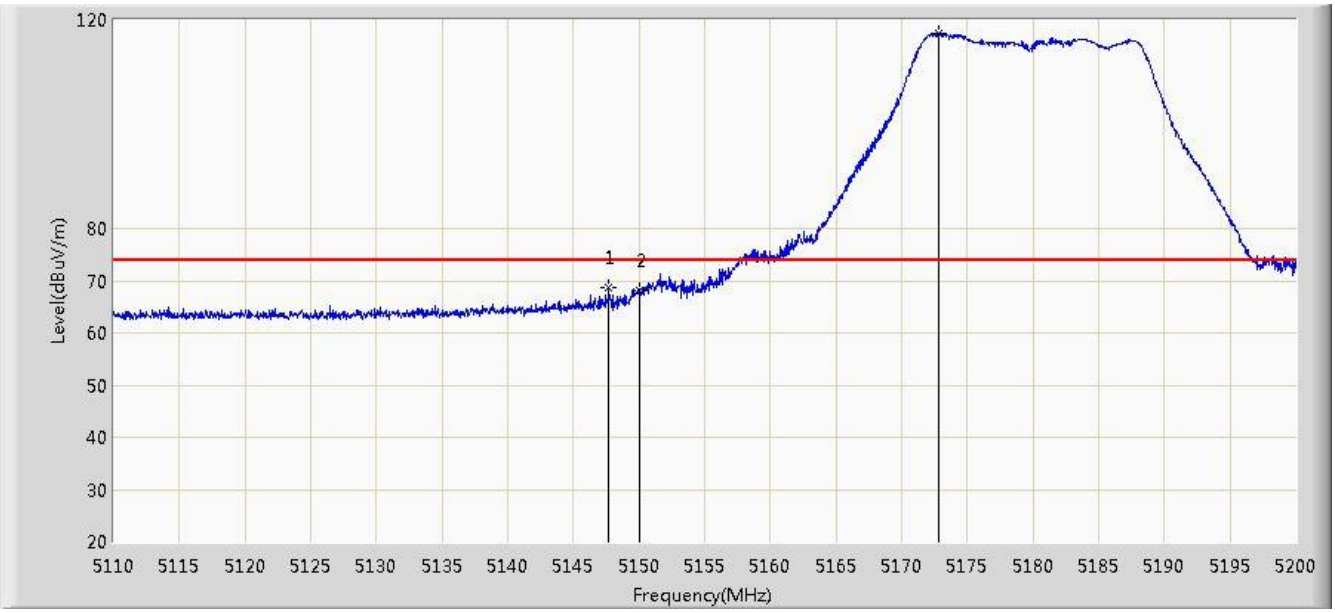


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.243	12.791	-3.757	54.000	37.452	AV
2		*	5178.265	92.924	55.546	N/A	N/A	37.378	AV

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

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

Site: AC1	Time: 2015/01/11 - 11:38
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 5180MHz by 802.11n-HT20 Ant 0+1+2+3	

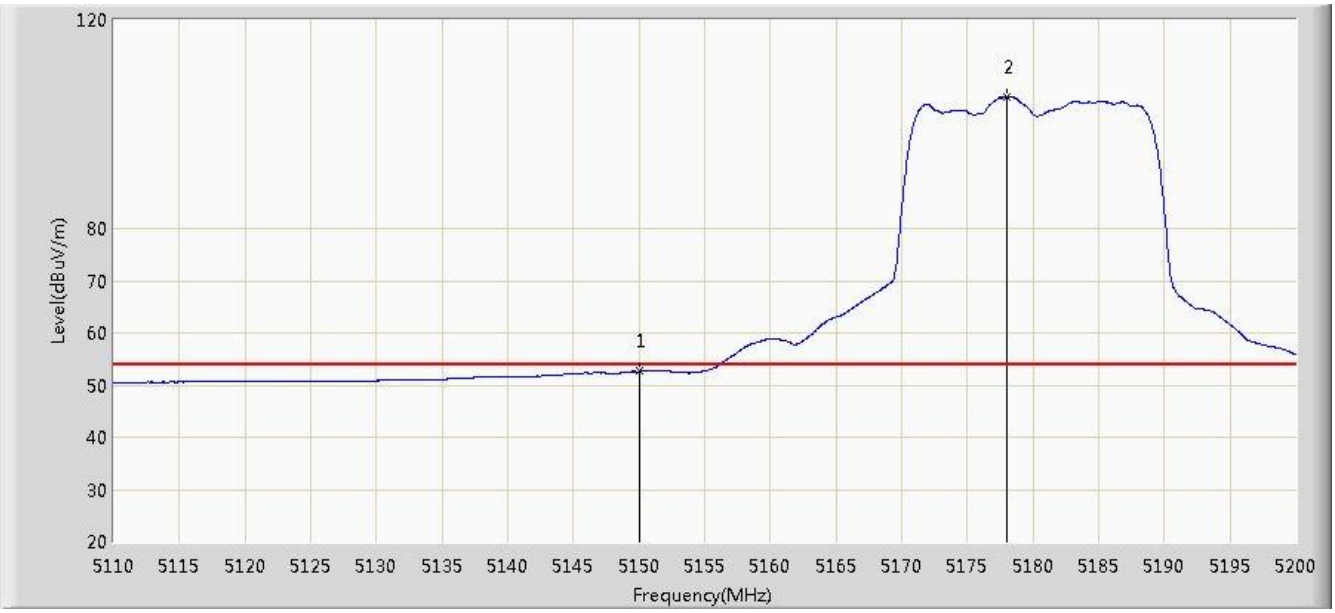


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.665	68.567	31.112	-5.433	74.000	37.455	PK
2			5150.000	68.220	30.768	-5.780	74.000	37.452	PK
3		*	5172.775	117.408	80.018	N/A	N/A	37.390	PK

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

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

Site: AC1	Time: 2015/01/11 - 11:39
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 5180MHz by 802.11n-HT20 Ant 0+1+2+3	

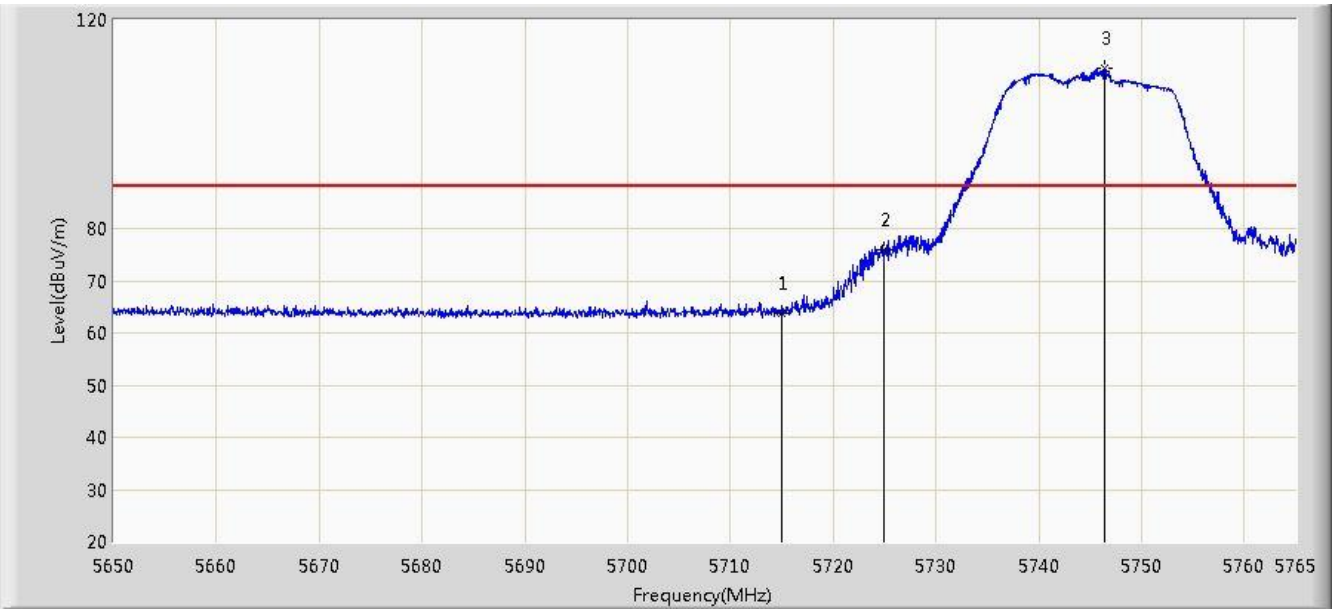


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.609	15.157	-1.391	54.000	37.452	AV
2		*	5177.995	105.161	67.783	N/A	N/A	37.378	AV

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

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

Site: AC1	Time: 2015/01/11 - 12:21
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11n-HT20 Ant 0+1+2+3	

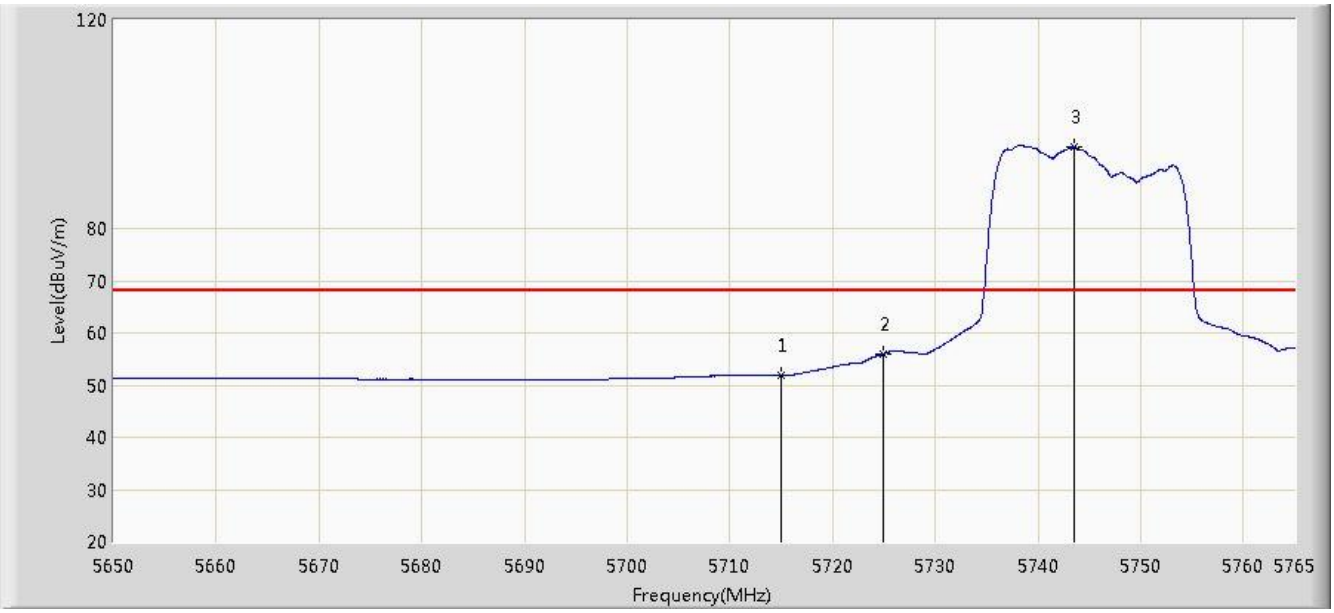


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	63.902	25.953	-24.298	88.200	37.949	PK
2			5725.000	75.894	37.904	-22.306	98.200	37.990	PK
3		*	5746.428	110.743	72.664	N/A	N/A	38.079	PK

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

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

Site: AC1	Time: 2015/01/11 - 12:22
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11n-HT20 Ant 0+1+2+3	

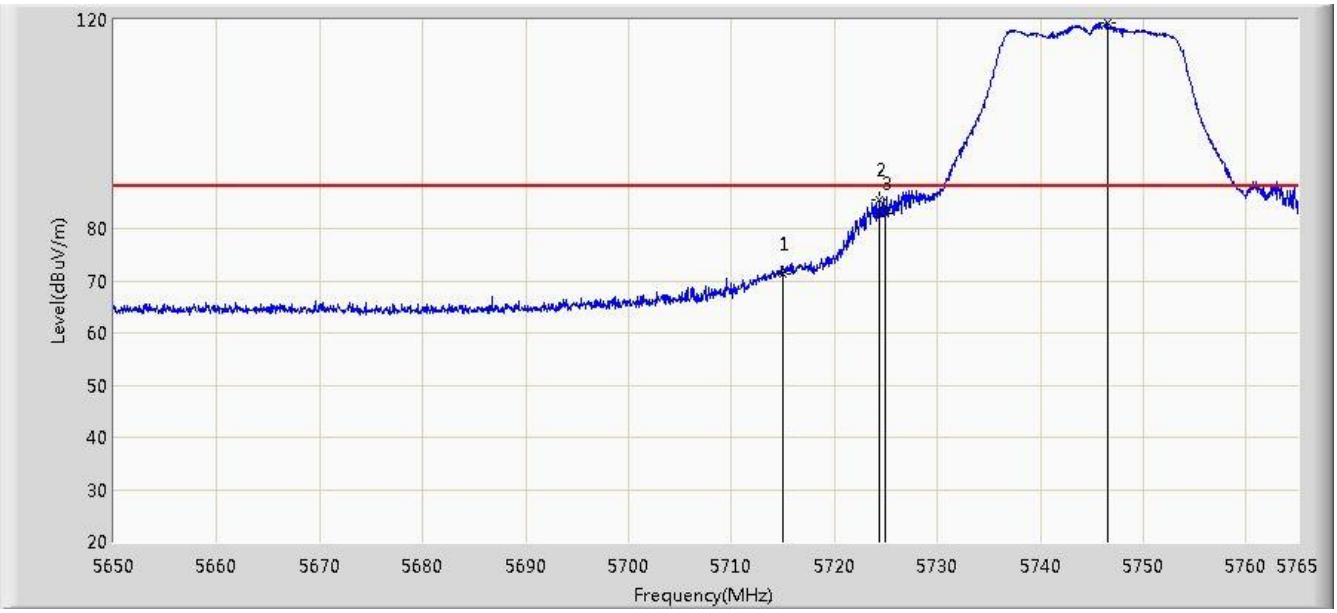


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.938	13.989	-16.262	68.200	37.949	AV
2			5725.000	56.029	18.039	-22.171	78.200	37.990	AV
3		*	5743.495	95.622	57.557	N/A	N/A	38.065	AV

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

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

Site: AC1	Time: 2015/01/11 - 12:24
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11n-HT20 Ant 0+1+2+3	

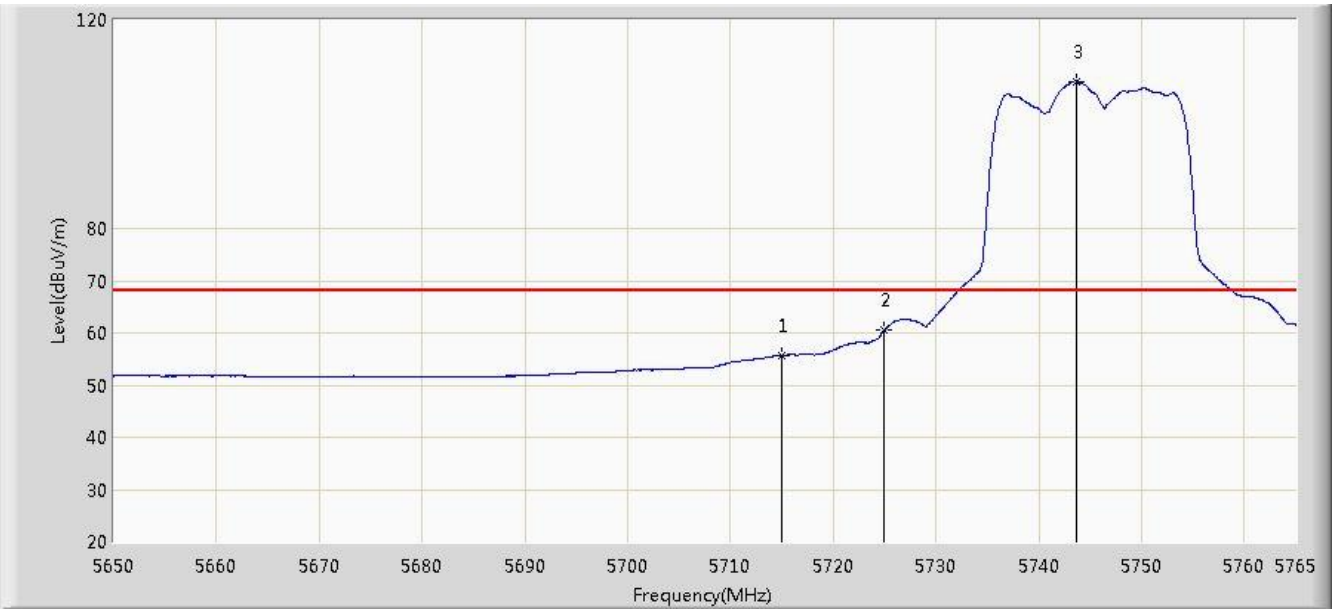


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	71.411	33.462	-16.789	88.200	37.949	PK
2			5724.290	85.570	47.583	-12.630	98.200	37.987	PK
3			5725.000	82.944	44.954	-15.256	98.200	37.990	PK
4		*	5746.600	119.543	81.464	N/A	N/A	38.080	PK

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

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

Site: AC1	Time: 2015/01/11 - 12:26
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz 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			5715.000	55.654	17.705	-12.546	68.200	37.949	AV
2			5725.000	60.465	22.475	-17.735	78.200	37.990	AV
3		*	5743.667	108.179	70.114	N/A	N/A	38.065	AV

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

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

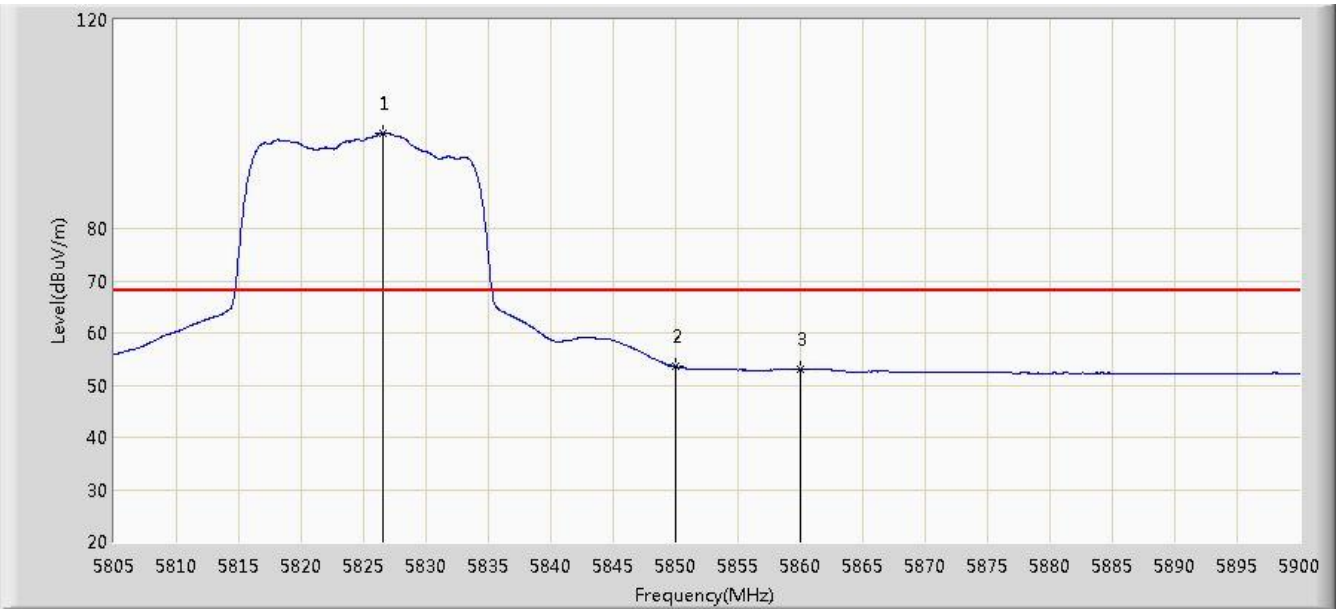
Site: AC1	Time: 2015/01/11 - 12:28
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11n-HT20 Ant 0+1+2+3	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.470	110.764	72.402	N/A	N/A	38.362	PK
2			5850.000	67.982	29.529	-30.218	98.200	38.454	PK
3			5860.000	65.108	26.630	-23.092	88.200	38.478	PK

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

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

Site: AC1	Time: 2015/01/11 - 12:30
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11n-HT20 Ant 0+1+2+3	

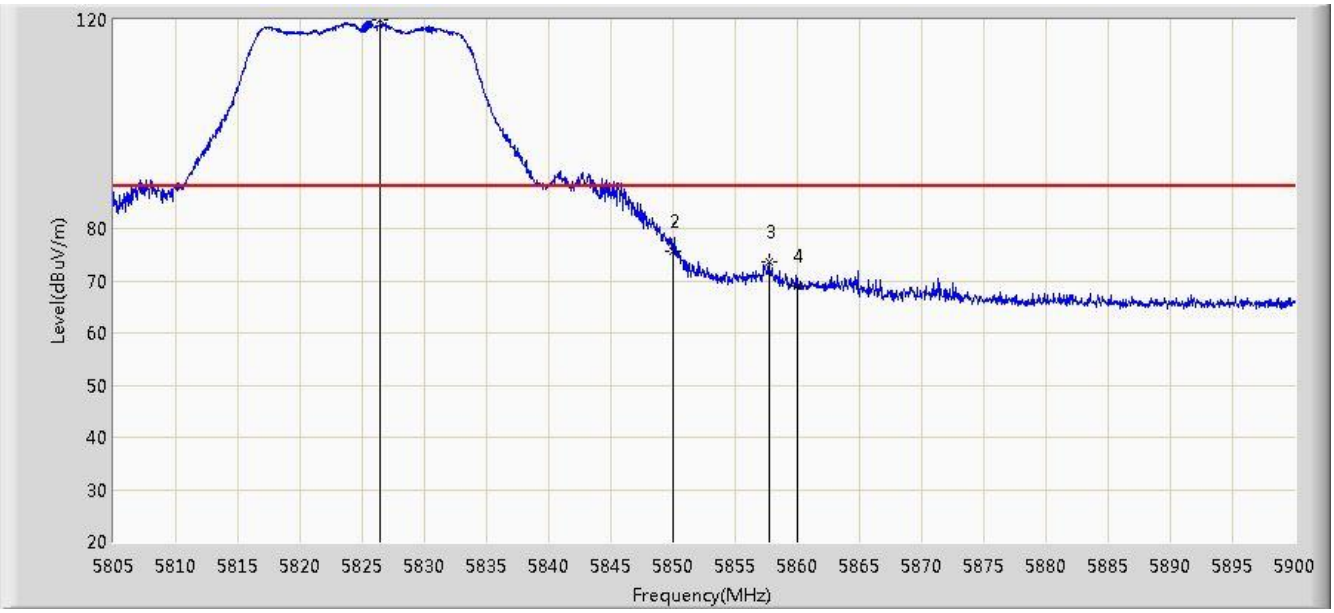


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.518	98.336	59.974	N/A	N/A	38.362	AV
2			5850.000	53.568	15.115	-24.632	78.200	38.454	AV
3			5860.000	53.021	14.543	-15.179	68.200	38.478	AV

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

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

Site: AC1	Time: 2015/01/11 - 12:31
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11n-HT20 Ant 0+1+2+3	

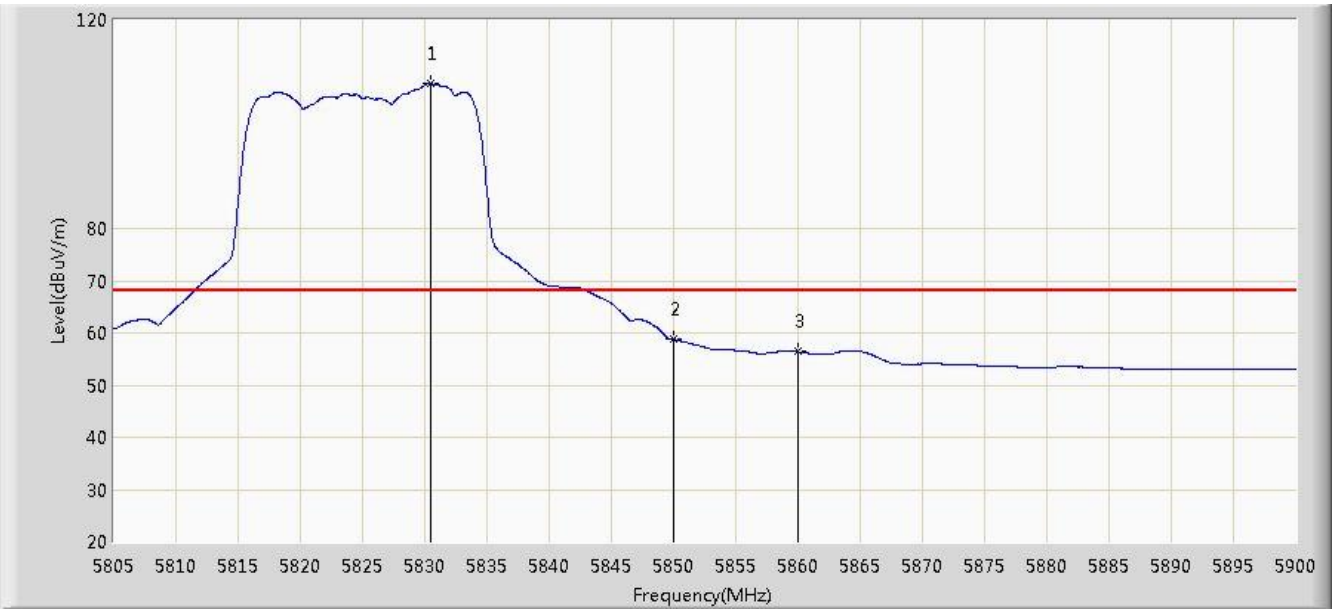


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.470	119.961	81.599	N/A	N/A	38.362	PK
2			5850.000	75.677	37.224	-22.523	98.200	38.454	PK
3			5857.725	73.521	35.049	-24.679	98.200	38.472	PK
4			5860.000	68.912	30.434	-19.288	88.200	38.478	PK

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

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

Site: AC1	Time: 2015/01/11 - 12:32
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11n-HT20 Ant 0+1+2+3	

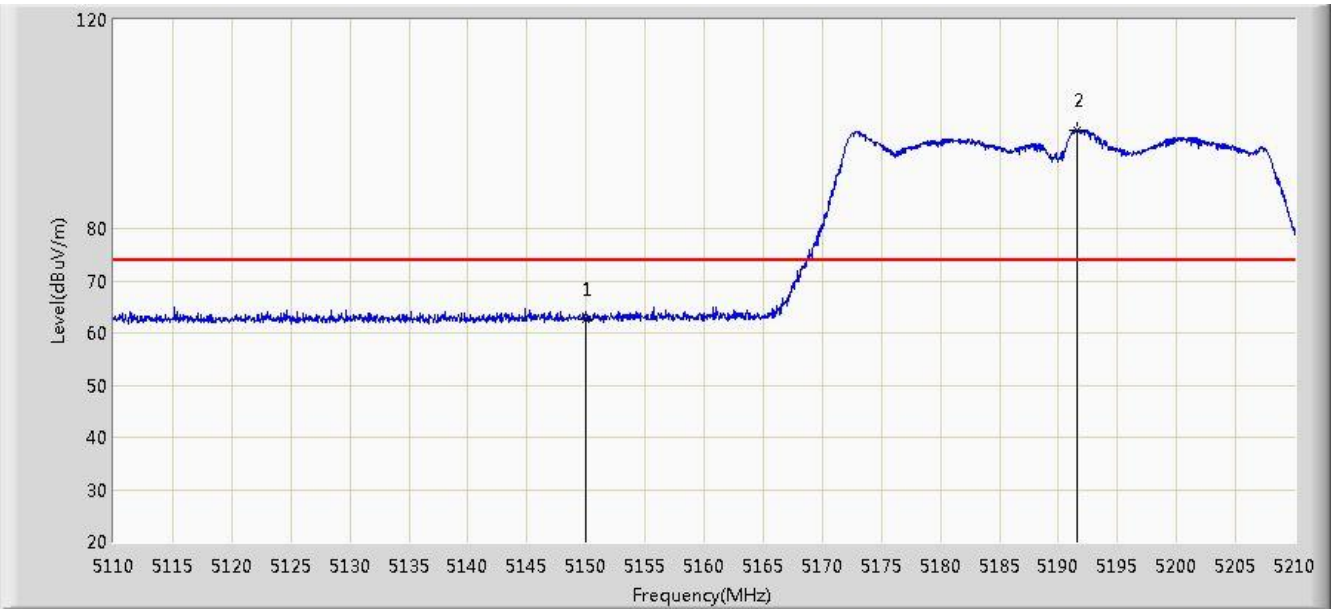


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5830.460	107.735	69.356	N/A	N/A	38.378	AV
2			5850.000	58.767	20.314	-19.433	78.200	38.454	AV
3			5860.000	56.415	17.937	-11.785	68.200	38.478	AV

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

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

Site: AC1	Time: 2015/01/11 - 13:33
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 5190MHz by 802.11n-HT40 Ant 0+1+2+3	

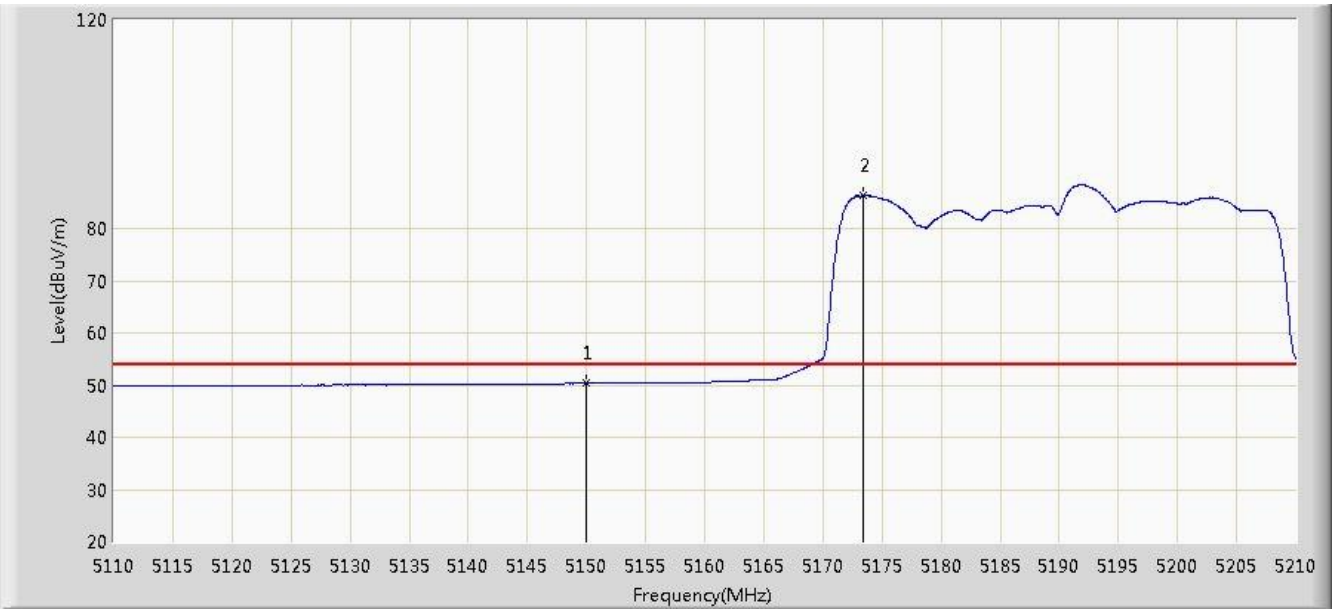


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	62.716	25.264	-11.284	74.000	37.452	PK
2		*	5191.600	98.961	61.616	N/A	N/A	37.345	PK

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

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

Site: AC1	Time: 2015/01/11 - 13:36
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 5190MHz by 802.11n-HT40 Ant 0+1+2+3	

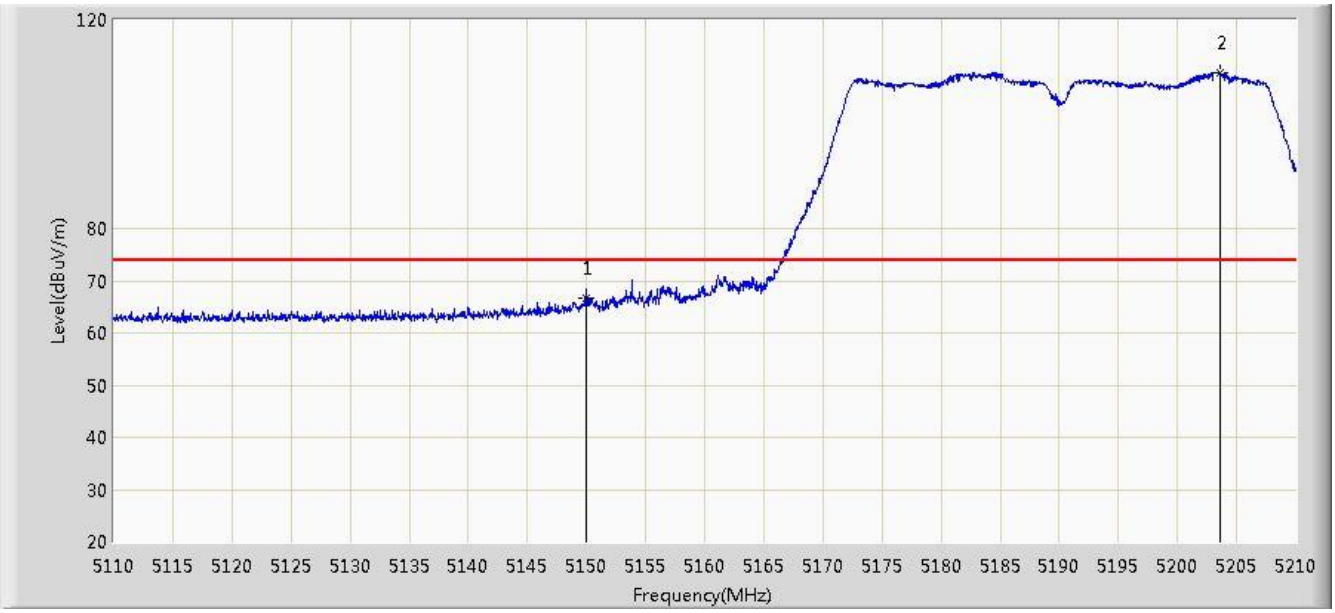


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.371	12.919	-3.629	54.000	37.452	AV
2		*	5173.350	86.329	48.940	N/A	N/A	37.389	AV

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

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

Site: AC1	Time: 2015/01/11 - 13:32
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 5190MHz by 802.11n-HT40 Ant 0+1+2+3	

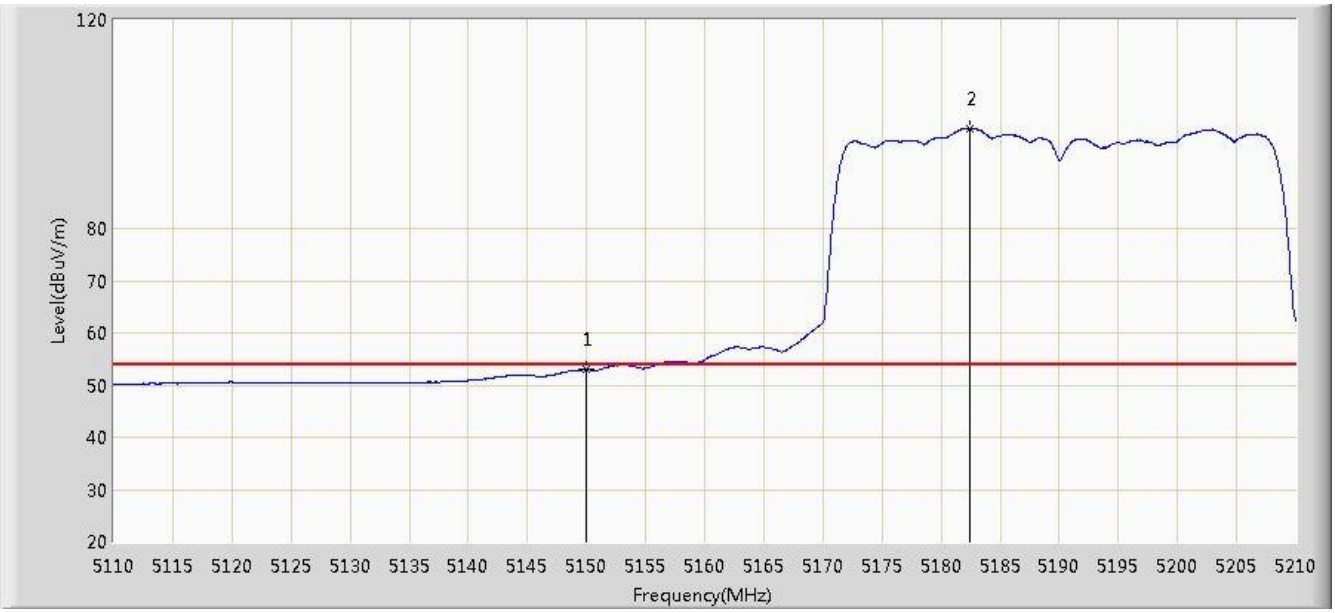


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	66.729	29.277	-7.271	74.000	37.452	PK
2		*	5203.550	109.921	72.609	N/A	N/A	37.312	PK

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

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

Site: AC1	Time: 2015/01/11 - 13:27
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 5190MHz by 802.11n-HT40 Ant 0+1+2+3	

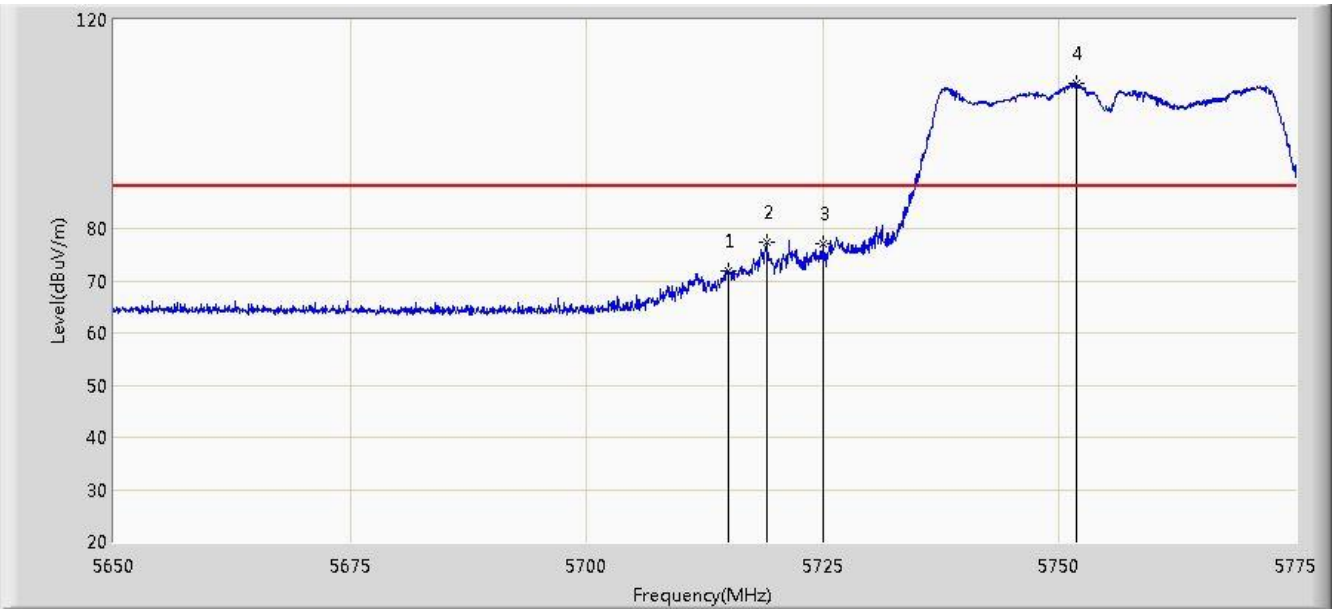


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.907	15.455	-1.093	54.000	37.452	AV
2		*	5182.400	99.128	61.760	N/A	N/A	37.368	AV

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

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

Site: AC1	Time: 2015/01/11 - 14:04
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5755MHz by 802.11n-HT40 Ant 0+1+2+3	

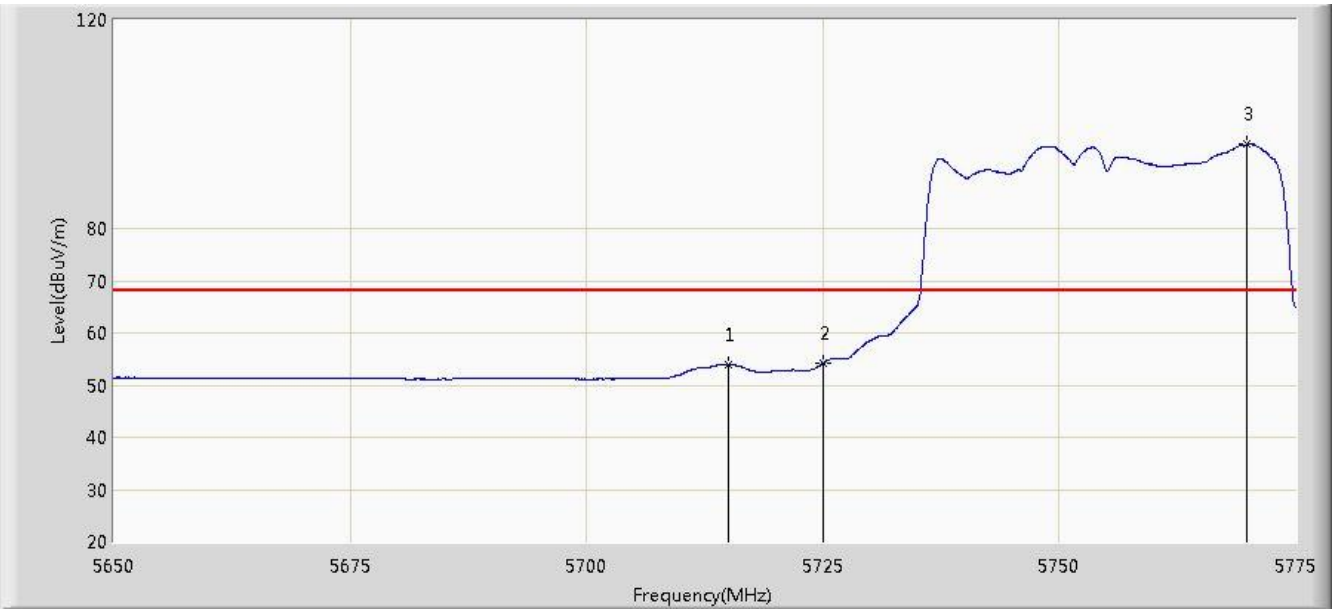


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	71.783	33.834	-16.417	88.200	37.949	PK
2			5719.062	77.311	39.345	-20.889	98.200	37.965	PK
3			5725.000	77.148	39.158	-21.052	98.200	37.990	PK
4		*	5751.812	107.762	69.658	N/A	N/A	38.105	PK

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

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

Site: AC1	Time: 2015/01/11 - 14:07
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5755MHz by 802.11n-HT40 Ant 0+1+2+3	

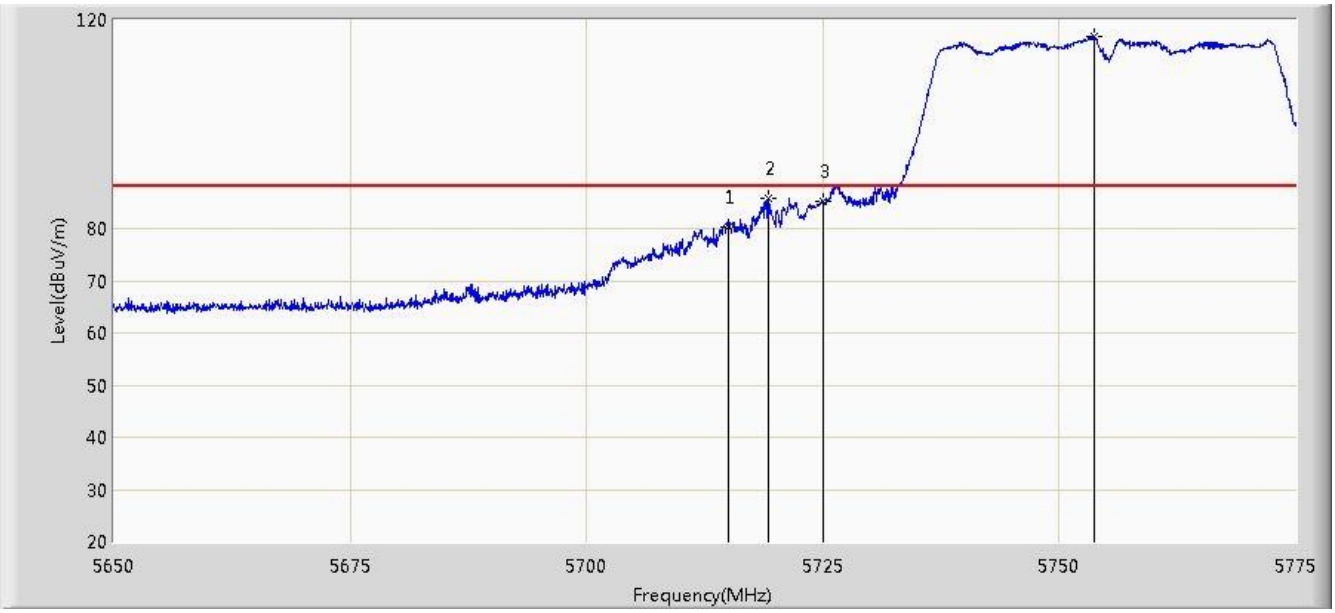


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	53.872	15.923	-14.328	68.200	37.949	AV
2			5725.000	54.155	16.165	-24.045	78.200	37.990	AV
3		*	5769.875	96.151	57.985	N/A	N/A	38.165	AV

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

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

Site: AC1	Time: 2015/01/11 - 14:09
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5755MHz by 802.11n-HT40 Ant 0+1+2+3	

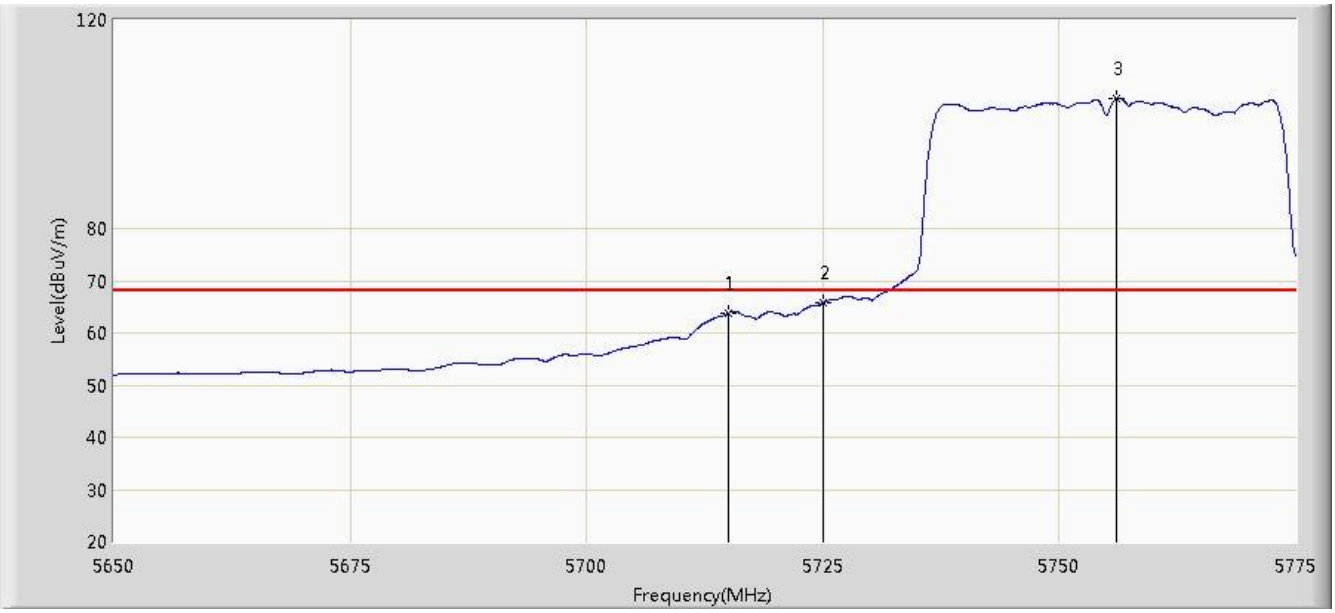


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	80.305	42.356	-7.895	88.200	37.949	PK
2			5719.187	85.861	47.895	-12.339	98.200	37.966	PK
3			5725.000	85.105	47.115	-13.095	98.200	37.990	PK
4		*	5753.750	116.667	78.553	N/A	N/A	38.114	PK

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

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

Site: AC1	Time: 2015/01/11 - 14:11
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5755MHz by 802.11n-HT40 Ant 0+1+2+3	

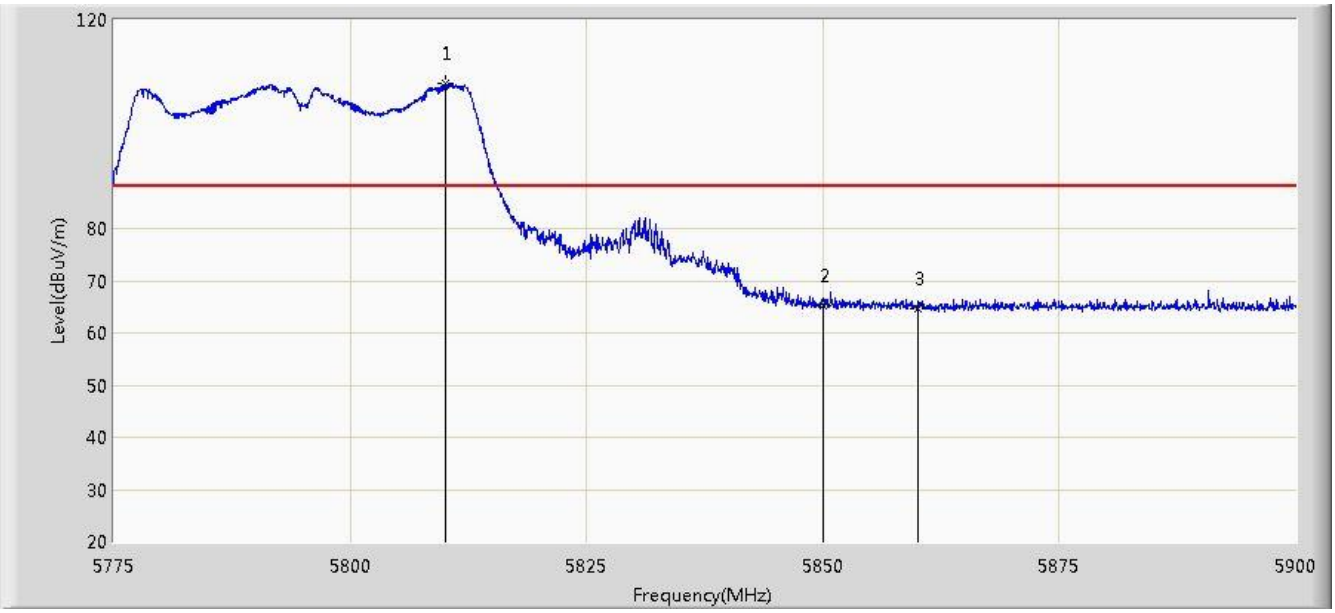


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	63.831	25.882	-4.369	68.200	37.949	AV
2			5725.000	65.774	27.784	-12.426	78.200	37.990	AV
3		*	5756.062	104.946	66.821	N/A	N/A	38.125	AV

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

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

Site: AC1	Time: 2015/01/11 - 14:16
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5795MHz by 802.11n-HT40 Ant 0+1+2+3	

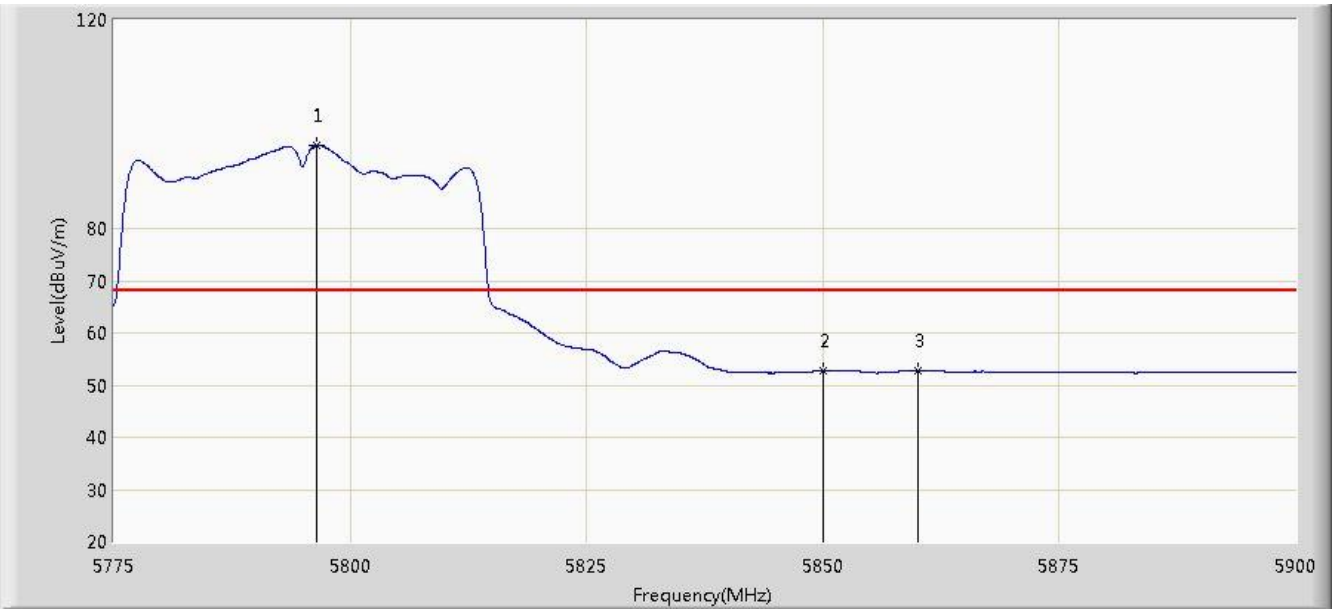


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5810.062	107.808	69.514	N/A	N/A	38.294	PK
2			5850.000	65.197	26.744	-33.003	98.200	38.454	PK
3			5860.000	64.676	26.198	-23.524	88.200	38.478	PK

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

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

Site: AC1	Time: 2015/01/11 - 14:18
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5795MHz by 802.11n-HT40 Ant 0+1+2+3	

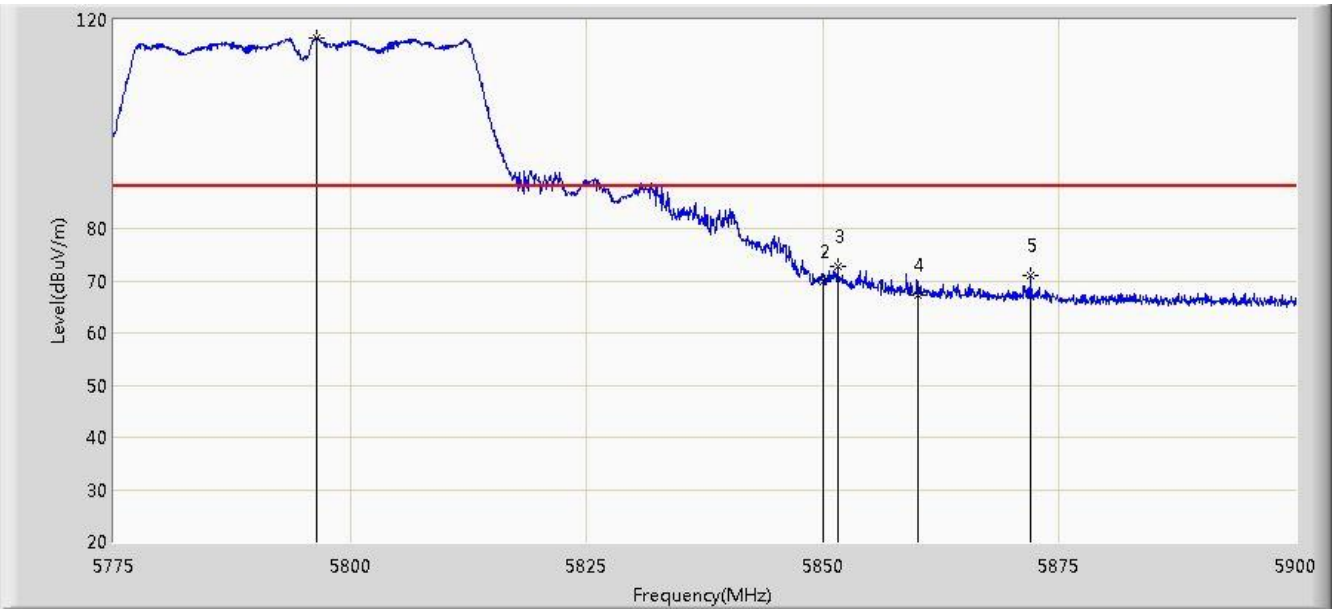


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5796.500	95.891	57.637	N/A	N/A	38.254	AV
2			5850.000	52.748	14.295	-25.452	78.200	38.454	AV
3			5860.000	52.829	14.351	-15.371	68.200	38.478	AV

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

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

Site: AC1	Time: 2015/01/11 - 14:19
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5795MHz by 802.11n-HT40 Ant 0+1+2+3	

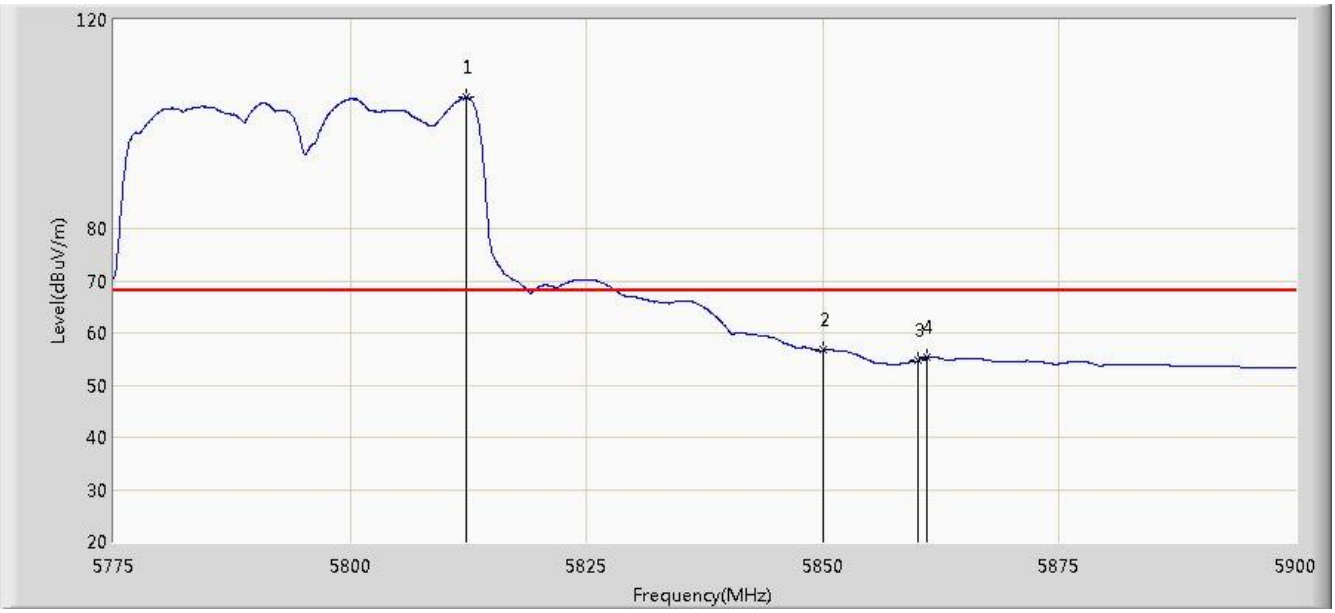


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5796.500	116.449	78.195	N/A	N/A	38.254	PK
2			5850.000	69.840	31.387	-28.360	98.200	38.454	PK
3			5851.562	72.623	34.166	-25.577	98.200	38.457	PK
4			5860.000	67.332	28.854	-20.868	88.200	38.478	PK
5			5871.937	70.897	32.404	-17.303	88.200	38.494	PK

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

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

Site: AC1	Time: 2015/01/11 - 14:20
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5795MHz by 802.11n-HT40 Ant 0+1+2+3	

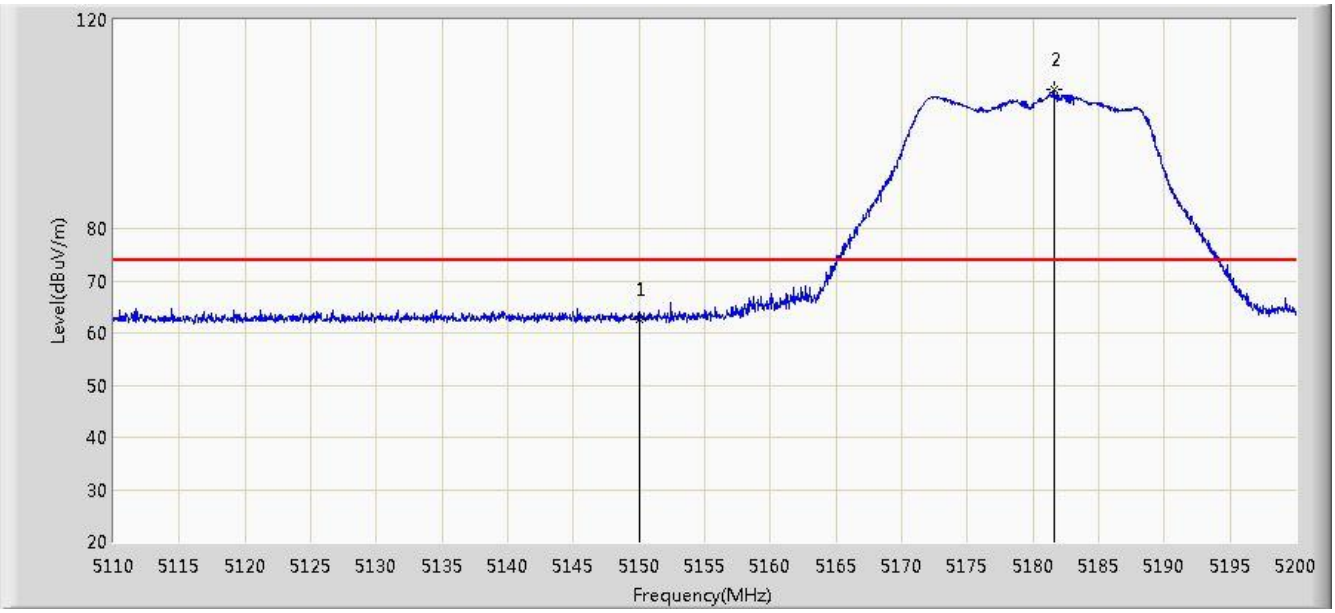


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5812.250	105.134	66.831	N/A	N/A	38.303	AV
2			5850.000	56.674	18.221	-21.526	78.200	38.454	AV
3			5860.000	54.699	16.221	-13.501	68.200	38.478	AV
4			5861.062	55.346	16.866	-12.854	68.200	38.480	AV

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

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

Site: AC1	Time: 2015/01/11 - 14:22
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 5180MHz by 802.11ac-VHT20 Ant 0+1+2+3	

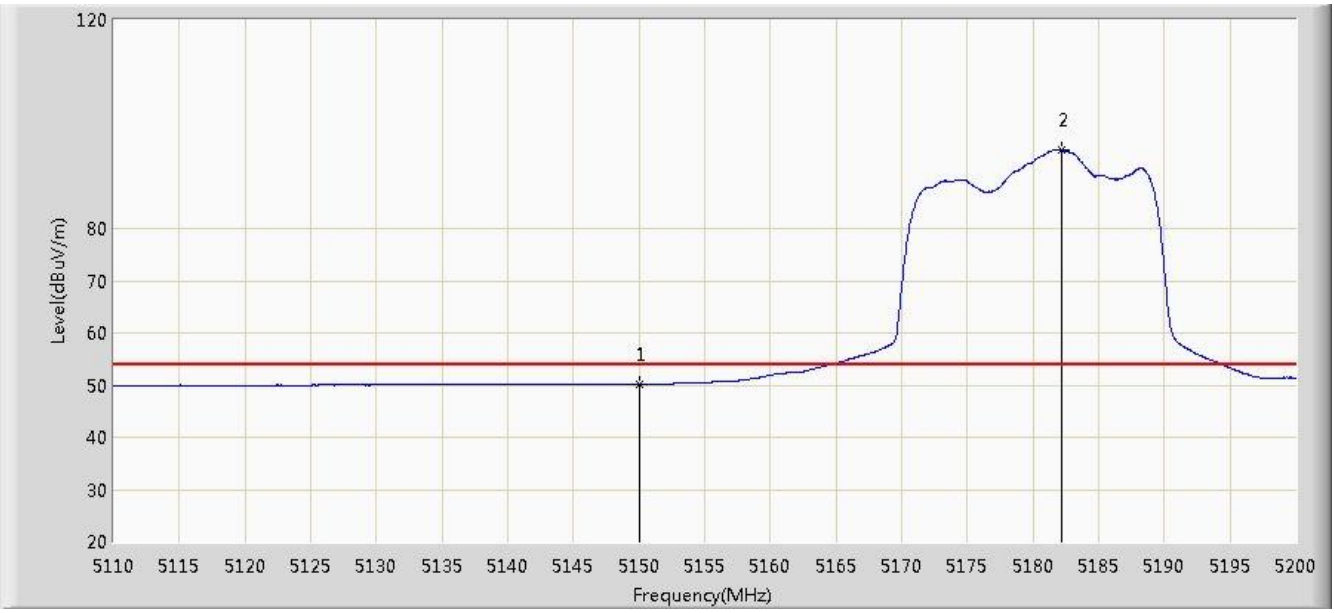


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	62.589	25.137	-11.411	74.000	37.452	PK
2		*	5181.595	106.671	69.301	N/A	N/A	37.371	PK

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

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

Site: AC1	Time: 2015/01/11 - 14:24
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 5180MHz by 802.11ac-VHT20 Ant 0+1+2+3	

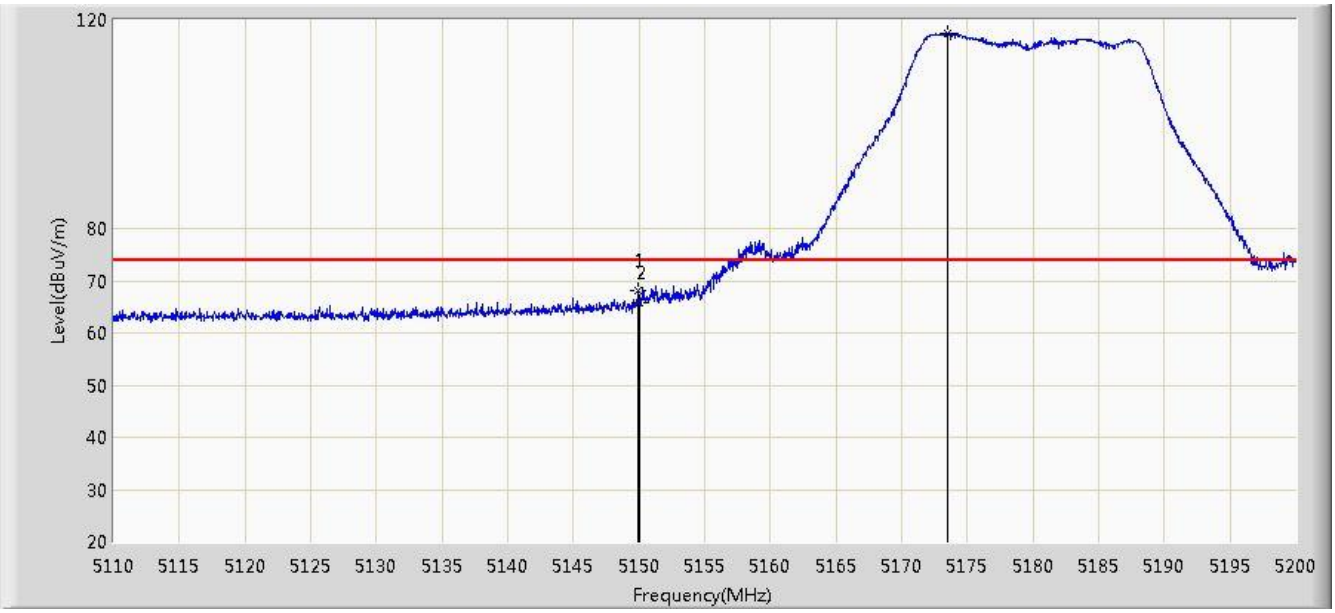


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.213	12.761	-3.787	54.000	37.452	AV
2		*	5182.180	95.100	57.731	N/A	N/A	37.369	AV

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

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

Site: AC1	Time: 2015/01/11 - 14:25
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 5180MHz by 802.11ac-VHT20 Ant 0+1+2+3	

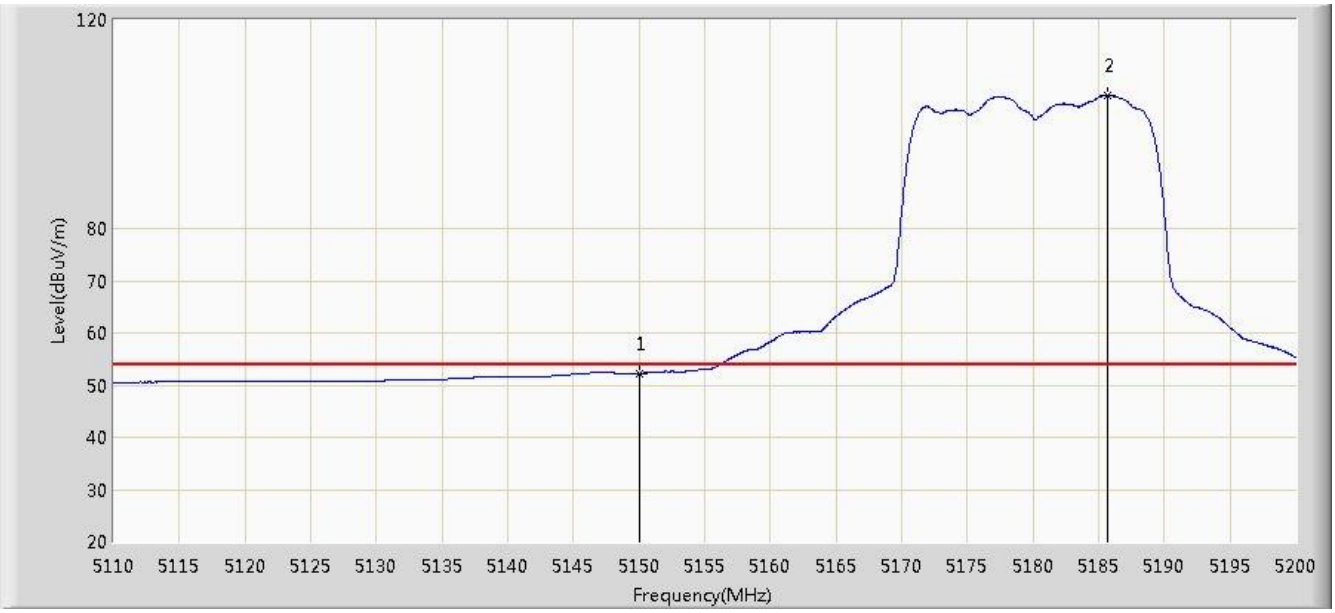


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.960	67.998	30.546	-6.002	74.000	37.452	PK
2			5150.000	65.874	28.422	-8.126	74.000	37.452	PK
3		*	5173.450	117.446	80.057	N/A	N/A	37.389	PK

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

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

Site: AC1	Time: 2015/01/11 - 14:26
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 5180MHz by 802.11ac-VHT20 Ant 0+1+2+3	

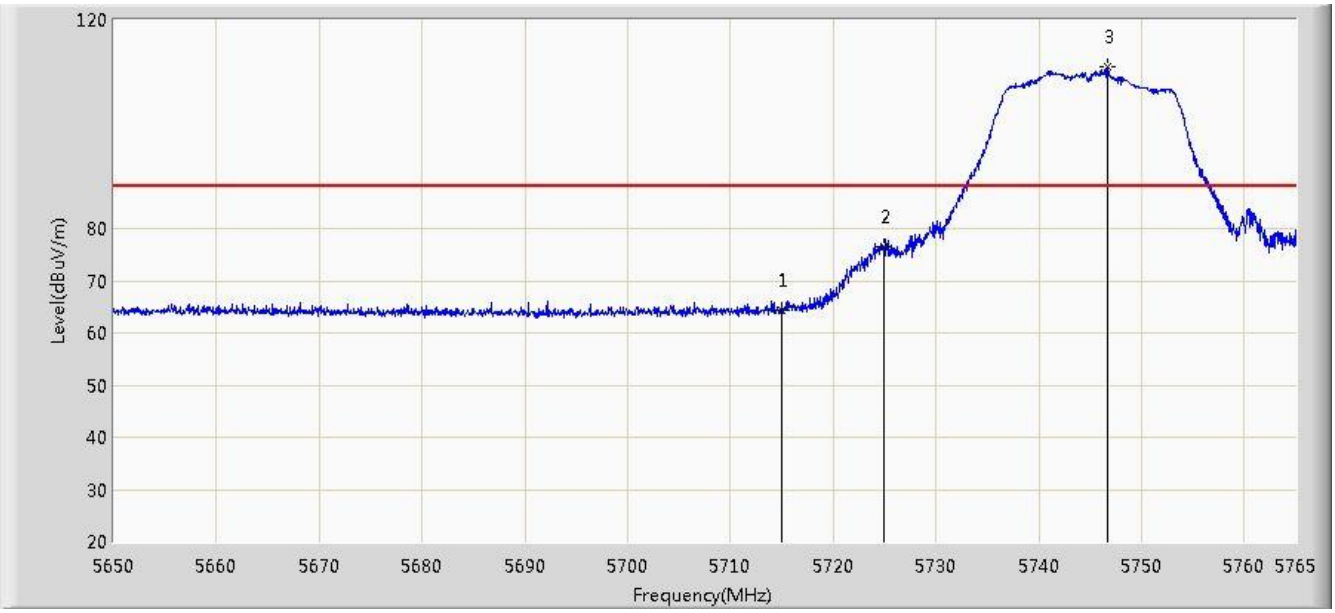


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.255	14.803	-1.745	54.000	37.452	AV
2		*	5185.690	105.480	68.120	N/A	N/A	37.359	AV

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

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

Site: AC1	Time: 2015/01/11 - 15:03
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11ac-VHT20 Ant 0+1+2+3	

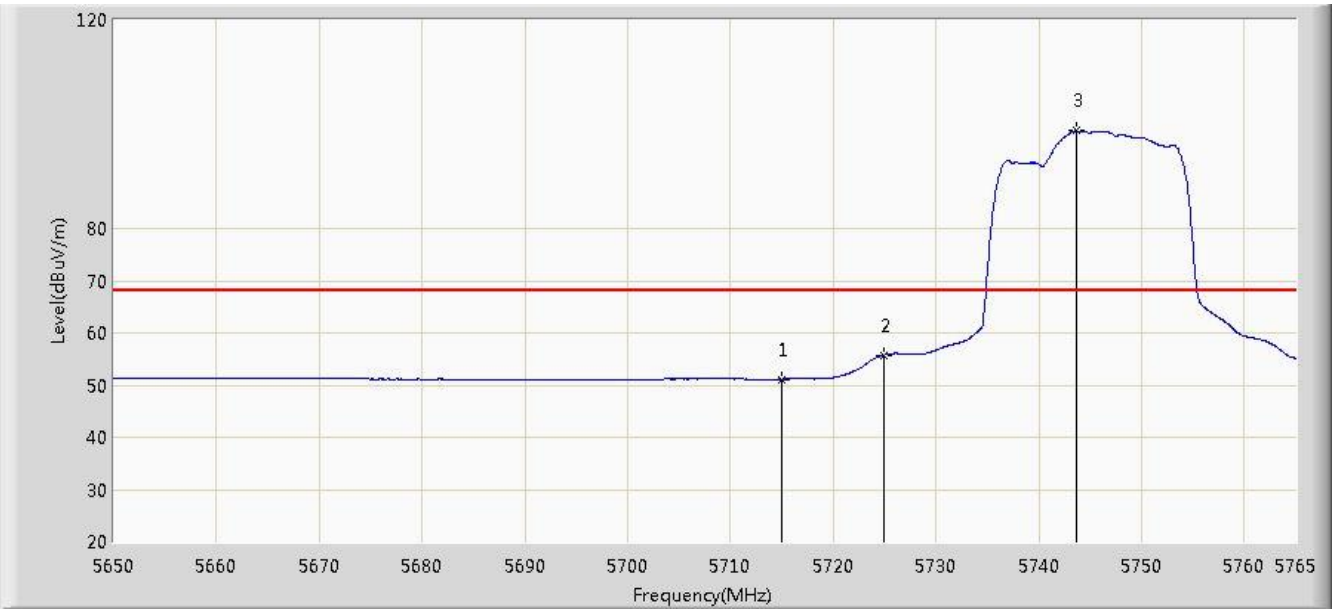


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	64.469	26.520	-23.731	88.200	37.949	PK
2			5725.000	76.427	38.437	-21.773	98.200	37.990	PK
3		*	5746.658	110.889	72.809	N/A	N/A	38.080	PK

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

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

Site: AC1	Time: 2015/01/11 - 15:03
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11ac-VHT20 Ant 0+1+2+3	

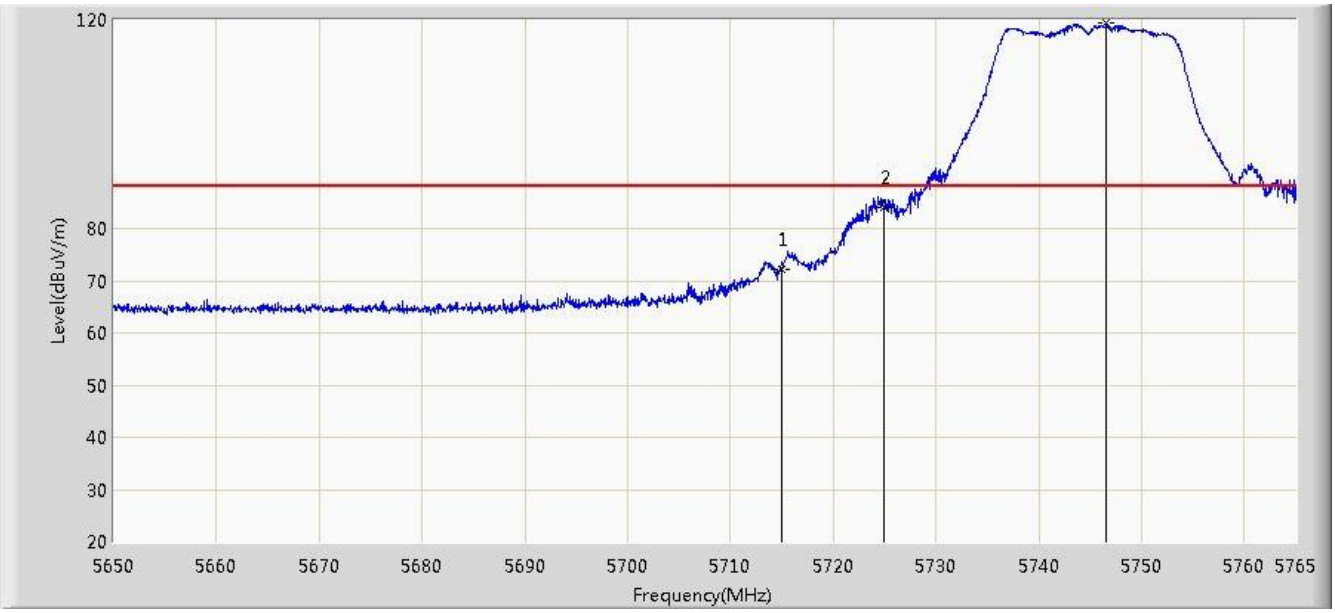


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.139	13.190	-17.061	68.200	37.949	AV
2			5725.000	55.797	17.807	-22.403	78.200	37.990	AV
3		*	5743.610	98.729	60.664	N/A	N/A	38.065	AV

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

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

Site: AC1	Time: 2015/01/11 - 15:04
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11ac-VHT20 Ant 0+1+2+3	

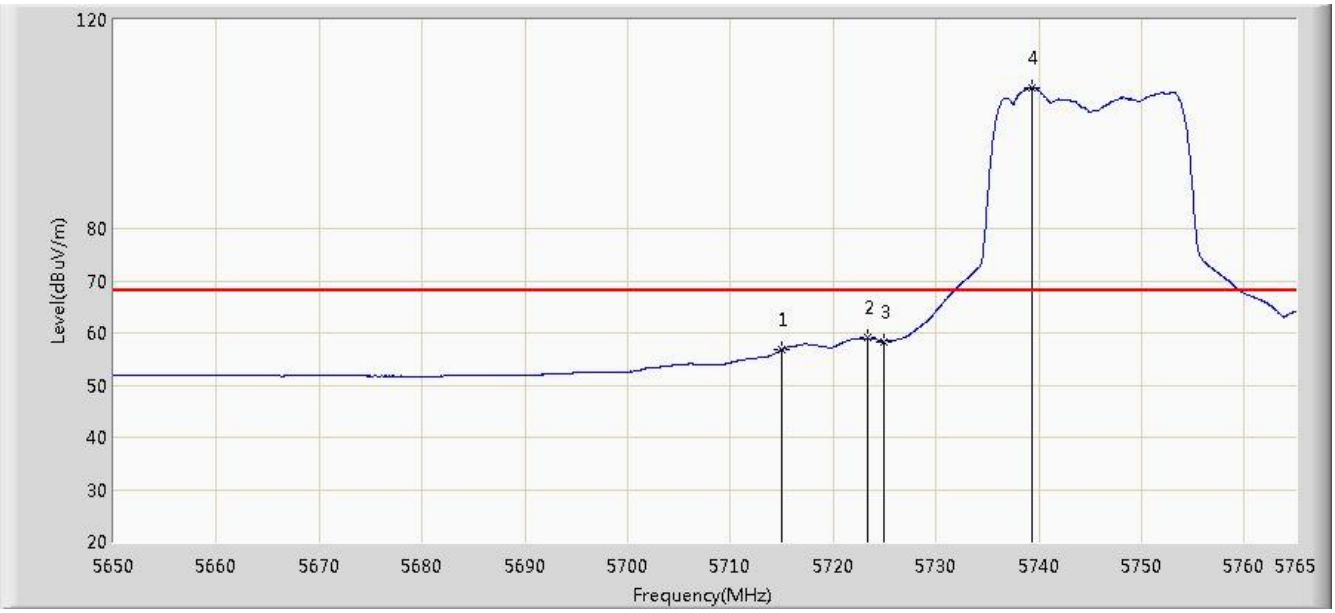


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	72.211	34.262	-15.989	88.200	37.949	PK
2			5725.000	83.952	45.962	-14.248	98.200	37.990	PK
3		*	5746.542	119.560	81.481	N/A	N/A	38.079	PK

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

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

Site: AC1	Time: 2015/01/11 - 15:06
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11ac-VHT20 Ant 0+1+2+3	

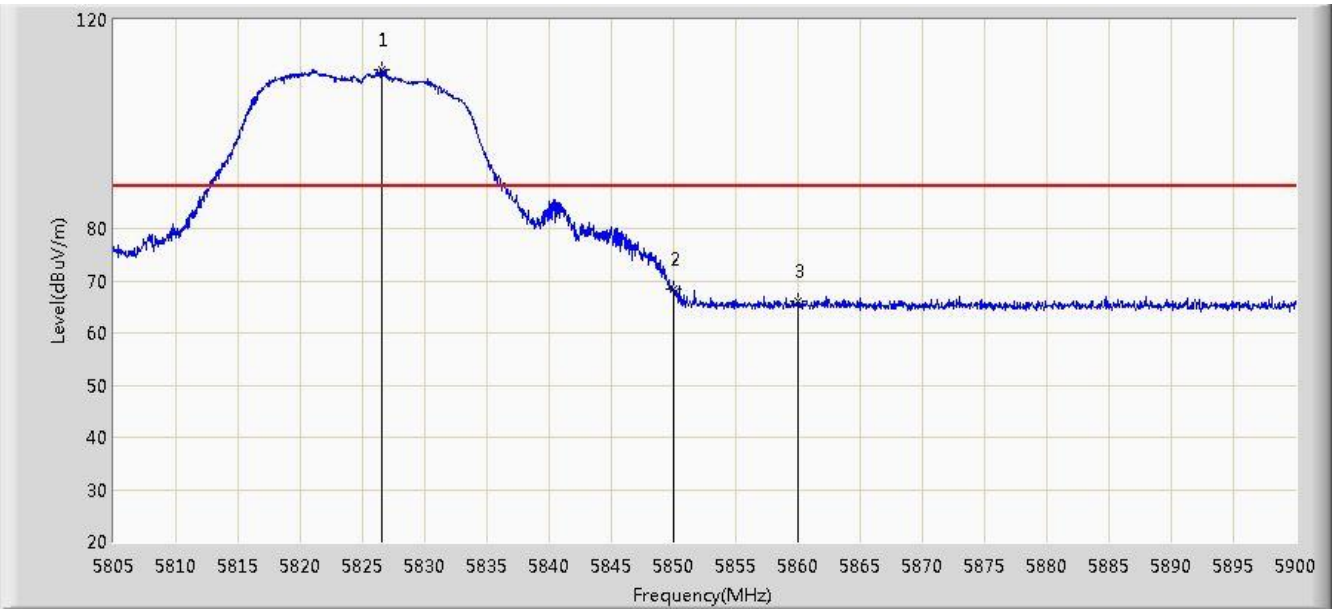


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	56.747	18.798	-11.453	68.200	37.949	AV
2			5723.370	58.997	21.014	-19.203	78.200	37.983	AV
3			5725.000	58.387	20.397	-19.813	78.200	37.990	AV
4		*	5739.355	106.997	68.948	N/A	N/A	38.049	AV

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

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

Site: AC1	Time: 2015/01/11 - 15:08
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11ac-VHT20 Ant 0+1+2+3	

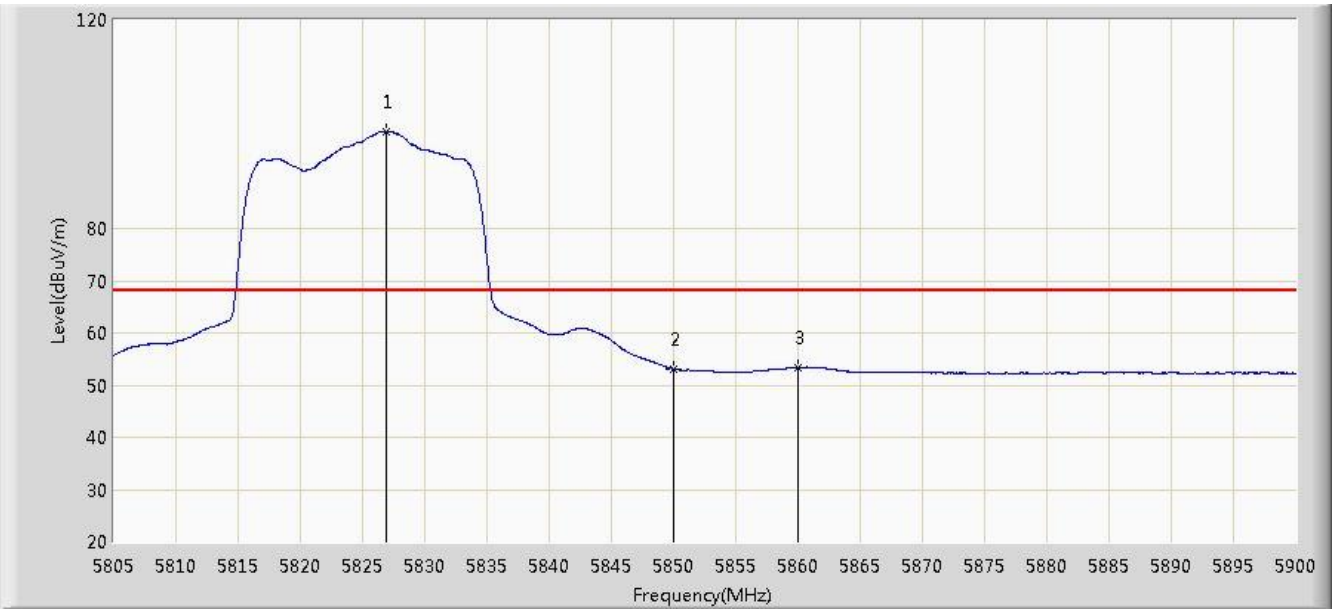


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.518	110.562	72.200	N/A	N/A	38.362	PK
2			5850.000	68.310	29.857	-29.890	98.200	38.454	PK
3			5860.000	65.957	27.479	-22.243	88.200	38.478	PK

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

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

Site: AC1	Time: 2015/01/11 - 15:10
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11ac-VHT20 Ant 0+1+2+3	

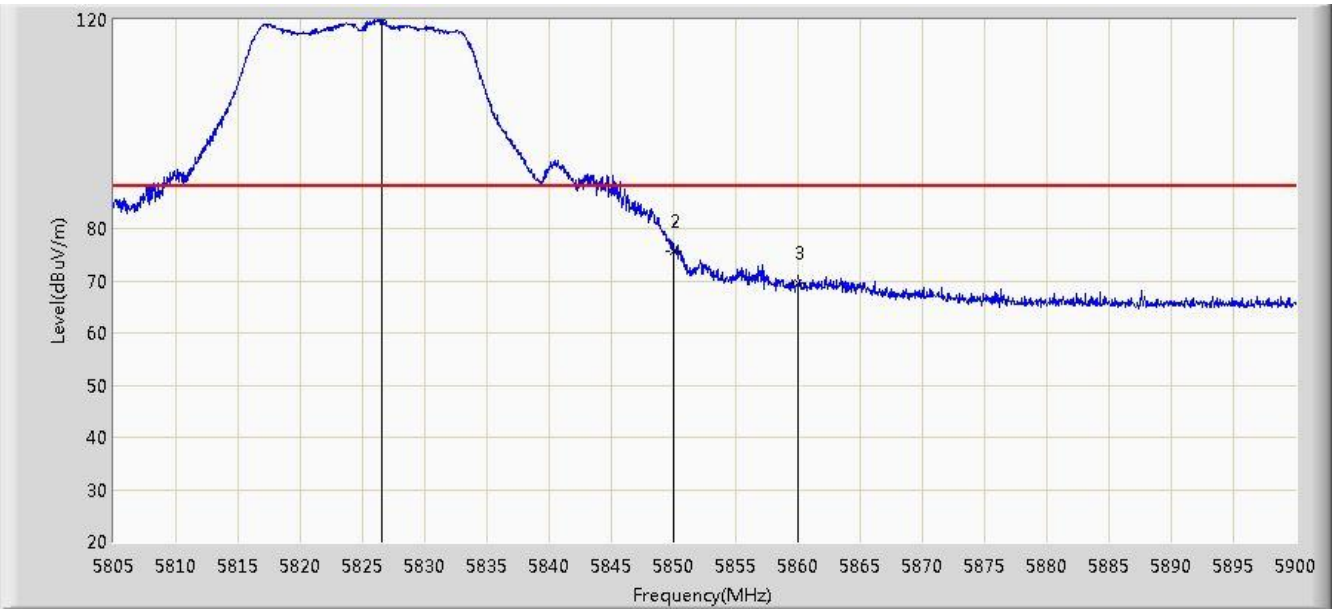


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.945	98.649	60.285	N/A	N/A	38.363	AV
2			5850.000	53.150	14.697	-25.050	78.200	38.454	AV
3			5860.000	53.404	14.926	-14.796	68.200	38.478	AV

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

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

Site: AC1	Time: 2015/01/11 - 15:11
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11ac-VHT20 Ant 0+1+2+3	

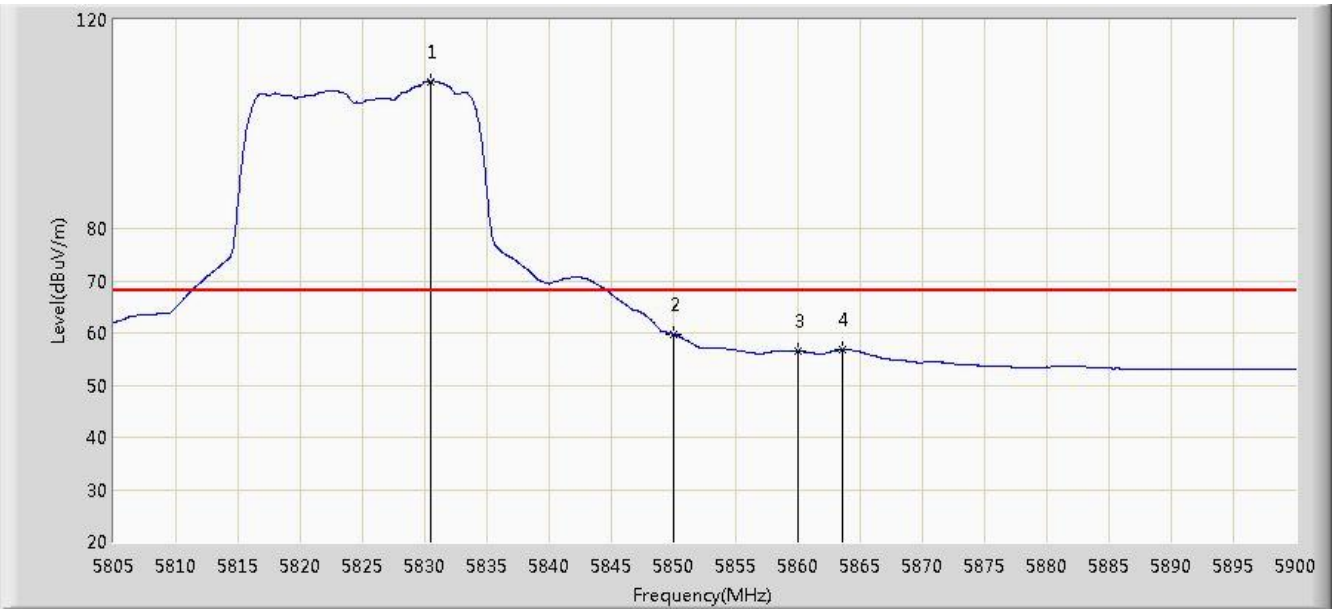


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.518	120.658	82.296	N/A	N/A	38.362	PK
2			5850.000	75.612	37.159	-22.588	98.200	38.454	PK
3			5860.000	69.616	31.138	-18.584	88.200	38.478	PK

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

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

Site: AC1	Time: 2015/01/11 - 15:12
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11ac-VHT20 Ant 0+1+2+3	

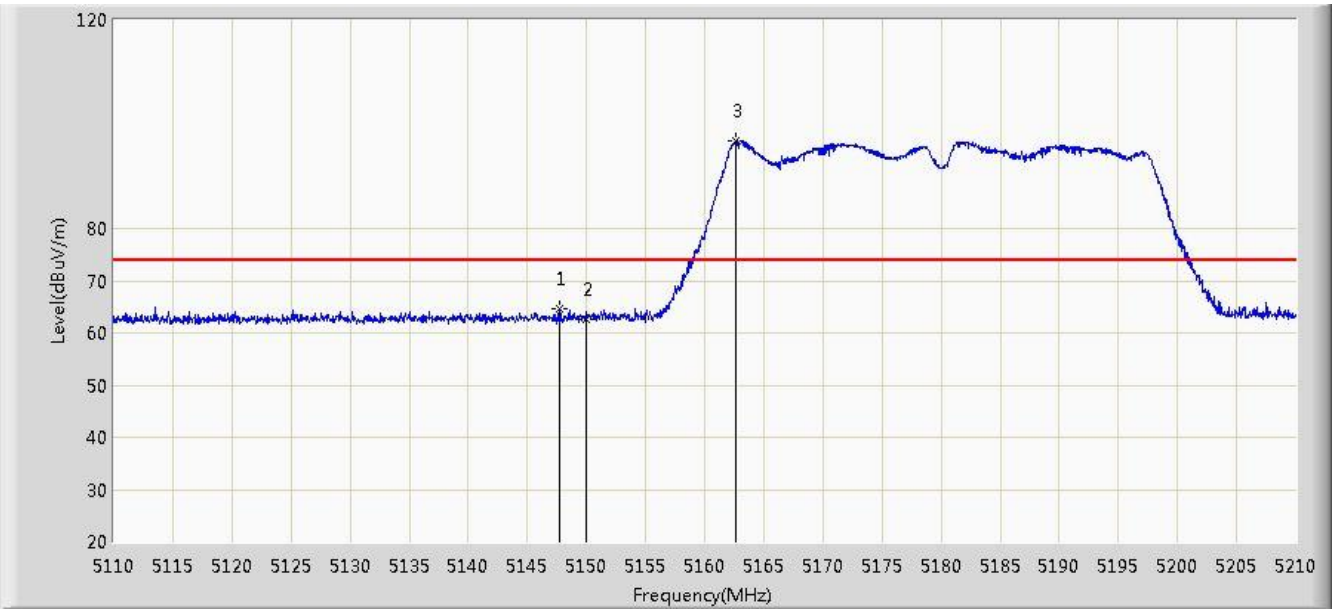


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5830.507	108.257	69.878	N/A	N/A	38.379	AV
2			5850.000	59.771	21.318	-18.429	78.200	38.454	AV
3			5860.000	56.542	18.064	-11.658	68.200	38.478	AV
4			5863.615	56.766	18.281	-11.434	68.200	38.484	AV

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

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

Site: AC1	Time: 2015/01/11 - 15:36
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 5190MHz by 802.11ac-VHT40 Ant 0+1+2+3	

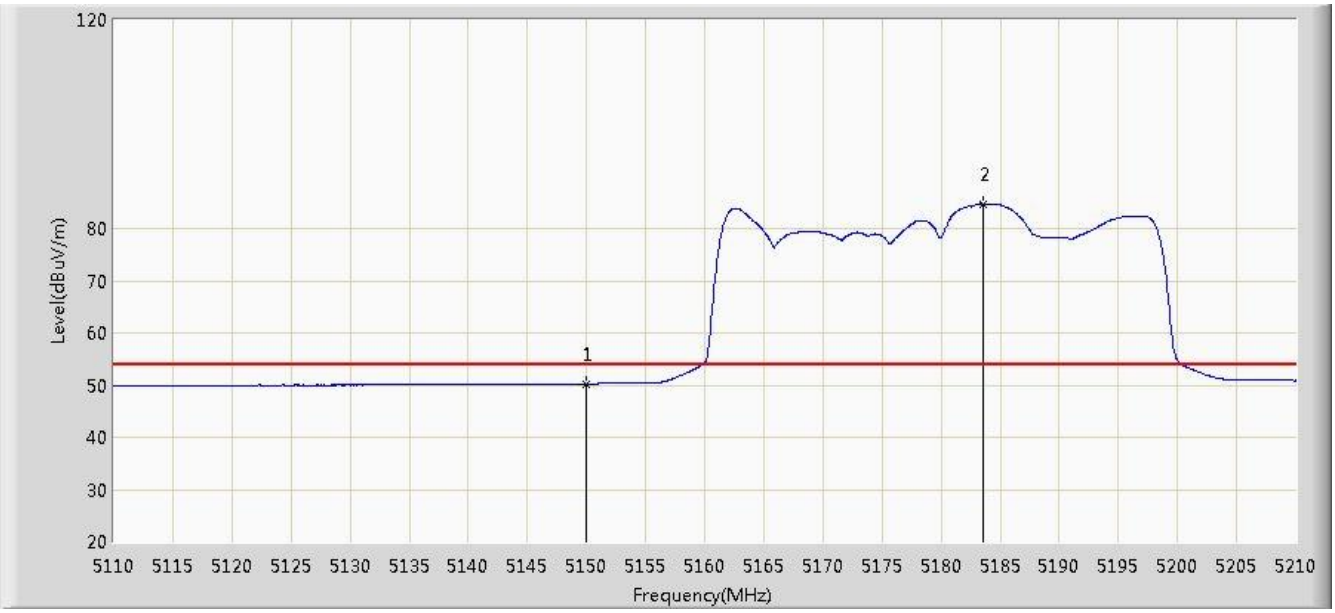


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.700	64.672	27.217	-9.328	74.000	37.455	PK
2			5150.000	62.579	25.127	-11.421	74.000	37.452	PK
3		*	5162.650	96.866	59.450	N/A	N/A	37.415	PK

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

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

Site: AC1	Time: 2015/01/11 - 15:37
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 5190MHz by 802.11ac-VHT40 Ant 0+1+2+3	

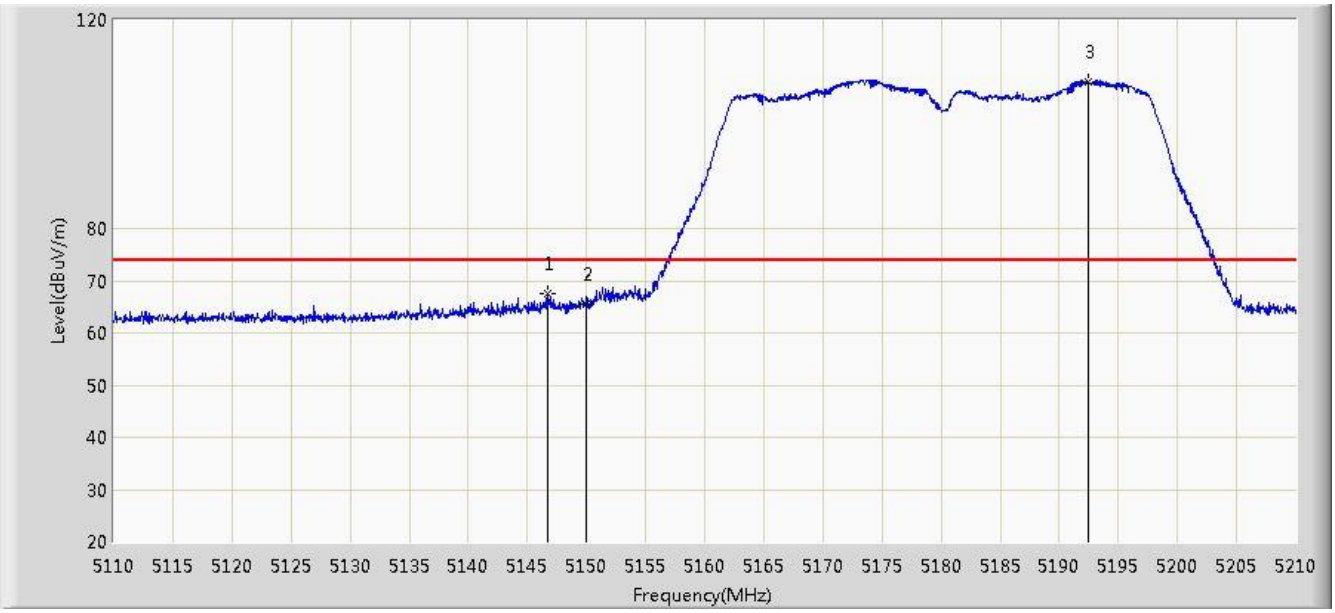


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.178	12.726	-3.822	54.000	37.452	AV
2		*	5183.500	84.771	47.406	N/A	N/A	37.365	AV

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

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

Site: AC1	Time: 2015/01/11 - 15:33
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 5190MHz by 802.11ac-VHT40 Ant 0+1+2+3	

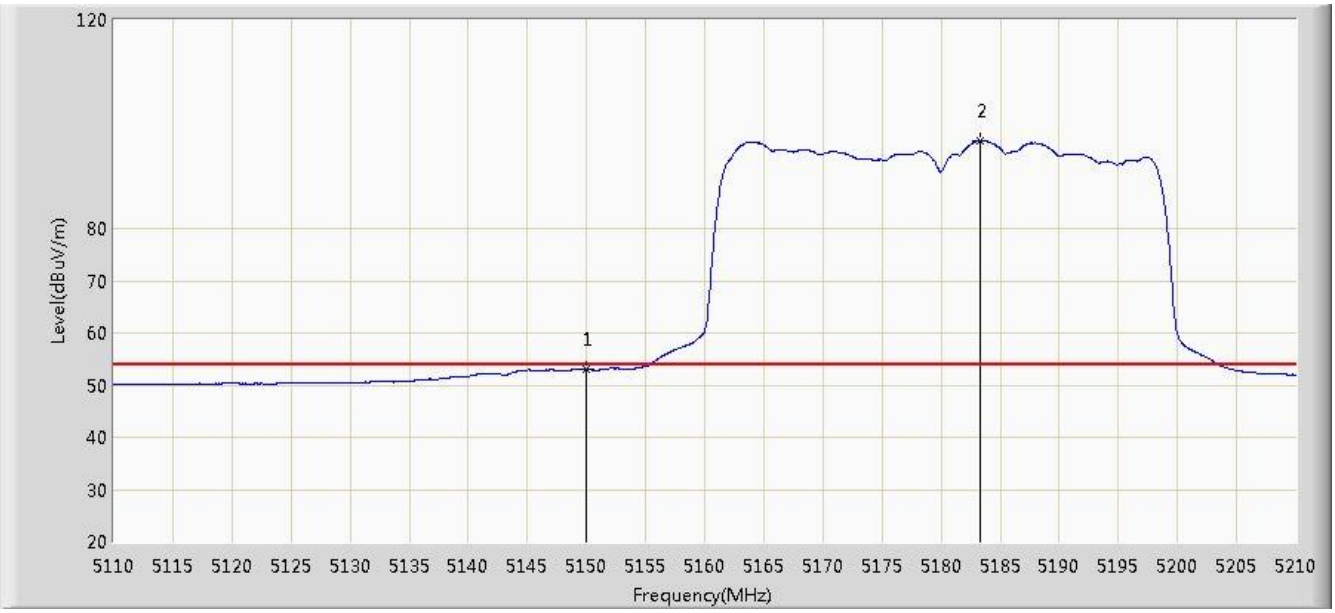


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.700	67.443	29.986	-6.557	74.000	37.457	PK
2			5150.000	65.444	27.992	-8.556	74.000	37.452	PK
3		*	5192.400	108.064	70.721	N/A	N/A	37.343	PK

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

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

Site: AC1	Time: 2015/01/11 - 15:28
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 5190MHz by 802.11ac-VHT40 Ant 0+1+2+3	

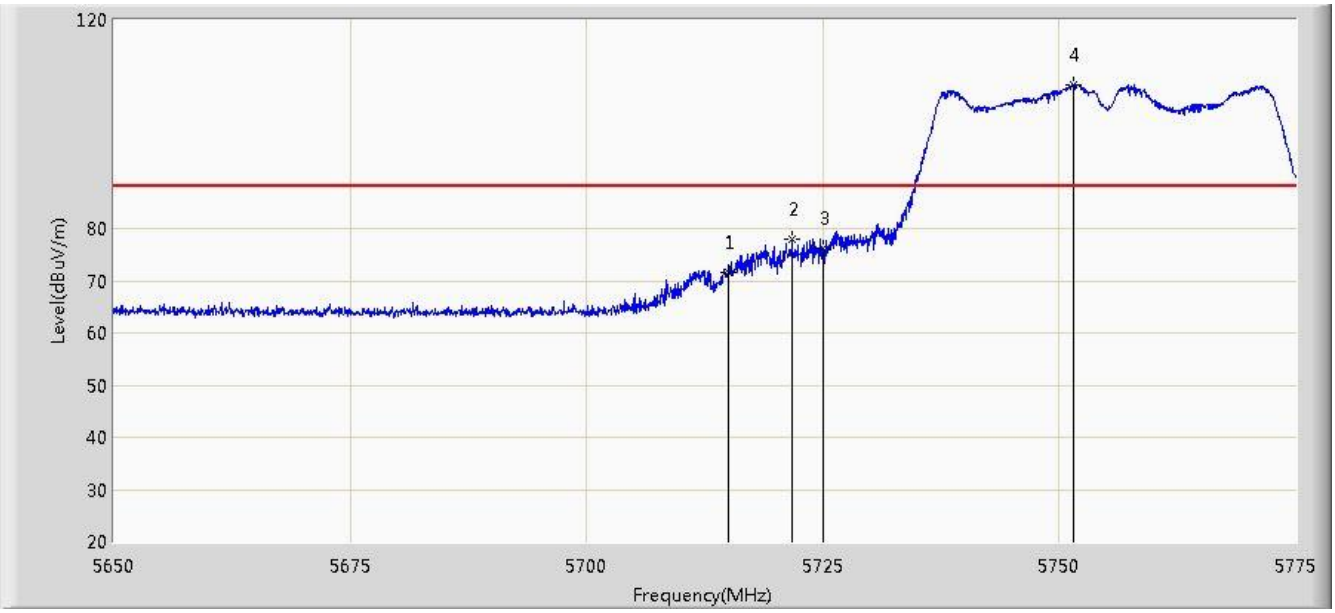


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.928	15.476	-1.072	54.000	37.452	AV
2		*	5183.350	96.911	59.545	N/A	N/A	37.366	AV

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

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

Site: AC1	Time: 2015/01/11 - 16:03
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5755MHz by 802.11ac-VHT40 Ant 0+1+2+3	

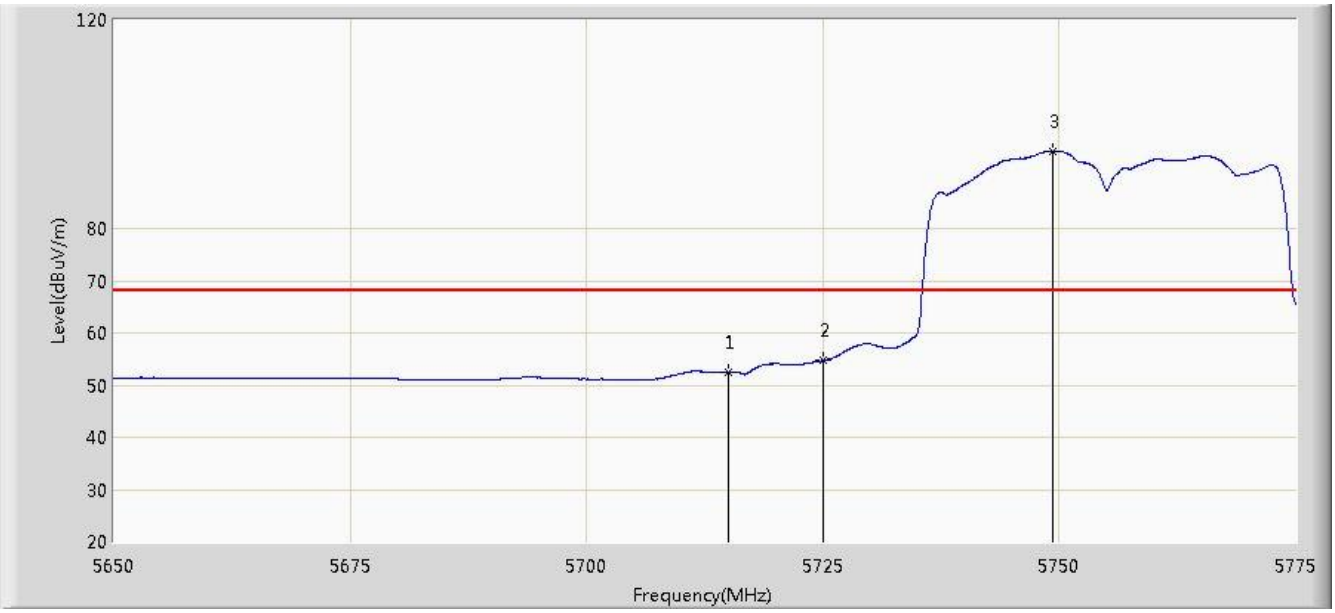


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	71.631	33.682	-16.569	88.200	37.949	PK
2			5721.750	77.910	39.934	-20.290	98.200	37.976	PK
3			5725.000	76.280	38.290	-21.920	98.200	37.990	PK
4		*	5751.437	107.559	69.456	N/A	N/A	38.102	PK

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

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

Site: AC1	Time: 2015/01/11 - 16:05
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5755MHz by 802.11ac-VHT40 Ant 0+1+2+3	

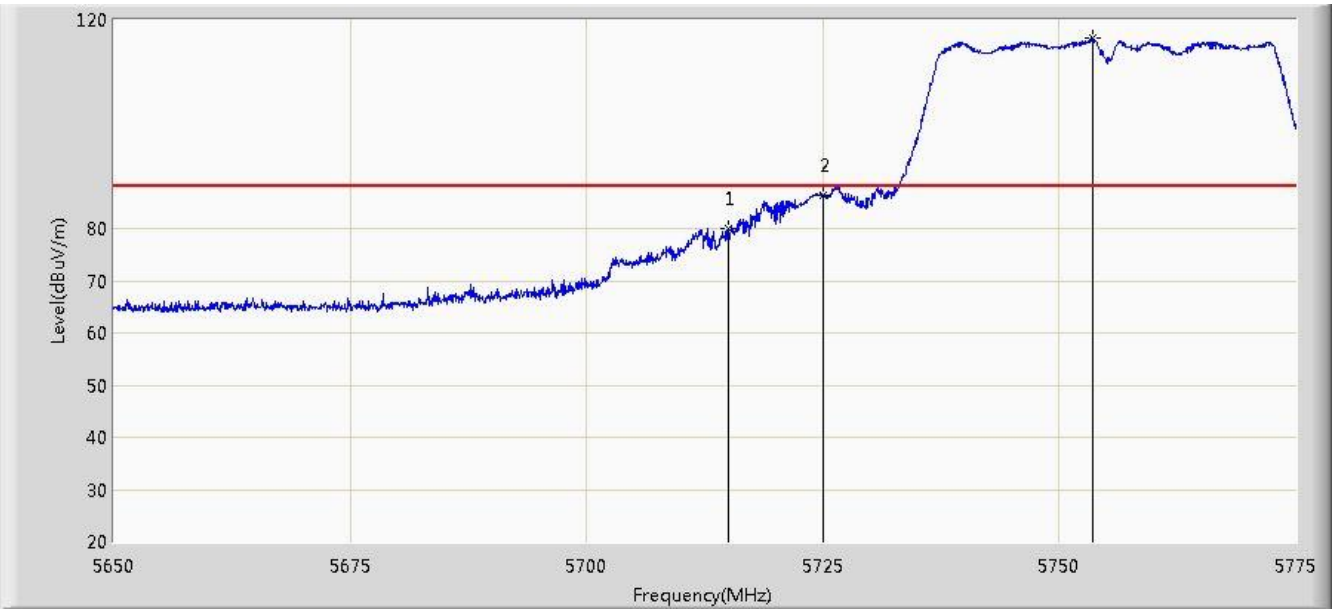


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	52.550	14.601	-15.650	68.200	37.949	AV
2			5725.000	54.688	16.698	-23.512	78.200	37.990	AV
3		*	5749.250	94.827	56.735	N/A	N/A	38.092	AV

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

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

Site: AC1	Time: 2015/01/11 - 16:07
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5755MHz by 802.11ac-VHT40 Ant 0+1+2+3	

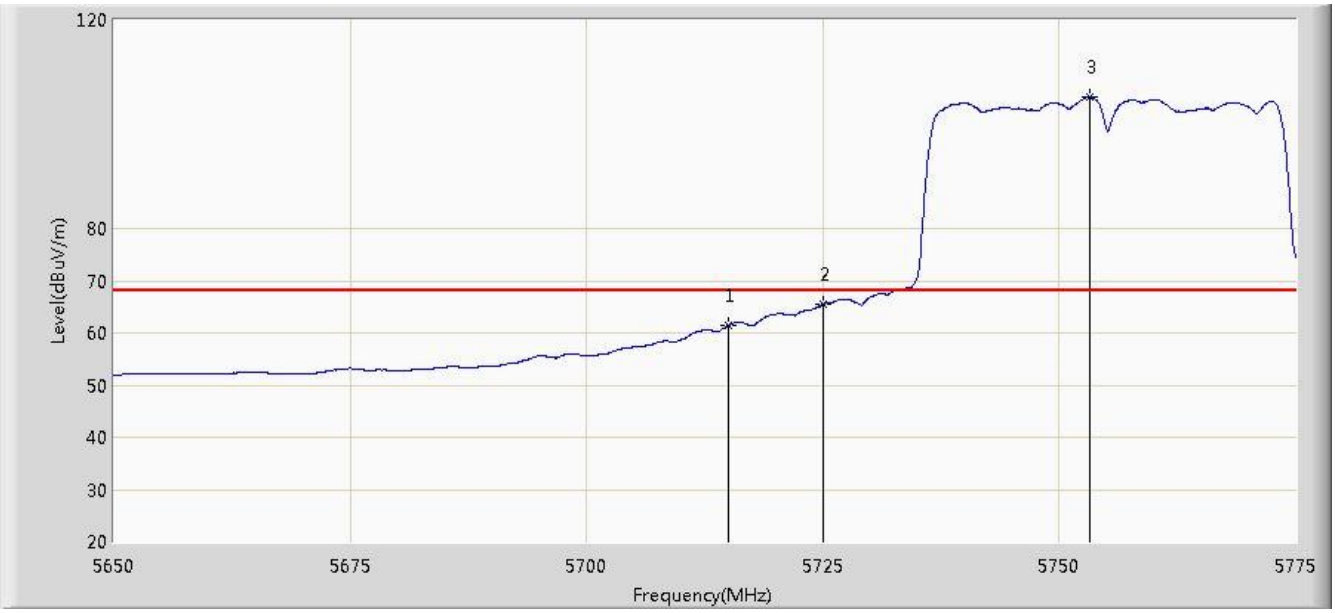


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	80.027	42.078	-8.173	88.200	37.949	PK
2			5725.000	86.262	48.272	-11.938	98.200	37.990	PK
3		*	5753.562	116.433	78.320	N/A	N/A	38.113	PK

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

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

Site: AC1	Time: 2015/01/11 - 16:08
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5755MHz by 802.11ac-VHT40 Ant 0+1+2+3	

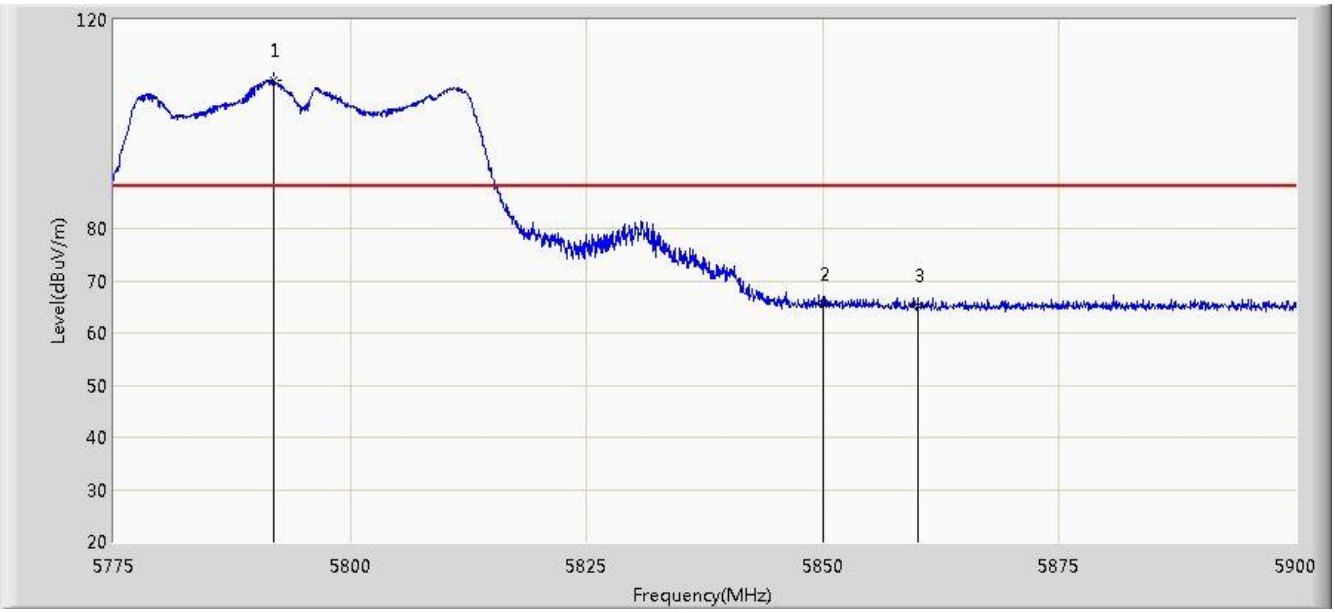


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	61.441	23.492	-6.759	68.200	37.949	AV
2			5725.000	65.484	27.494	-12.716	78.200	37.990	AV
3		*	5753.187	105.250	67.139	N/A	N/A	38.111	AV

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

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

Site: AC1	Time: 2015/01/11 - 16:12
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5795MHz by 802.11ac-VHT40 Ant 0+1+2+3	

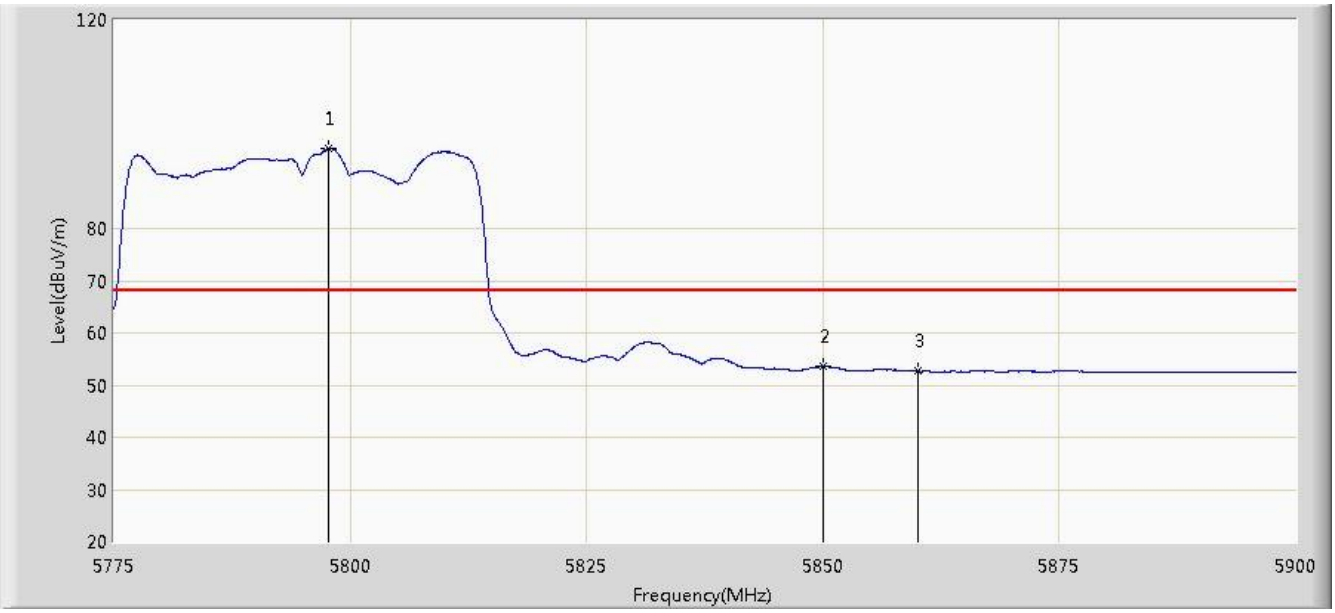


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5791.875	108.368	70.130	N/A	N/A	38.237	PK
2			5850.000	65.627	27.174	-32.573	98.200	38.454	PK
3			5860.000	65.224	26.746	-22.976	88.200	38.478	PK

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

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

Site: AC1	Time: 2015/01/11 - 16:14
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5795MHz by 802.11ac-VHT40 Ant 0+1+2+3	

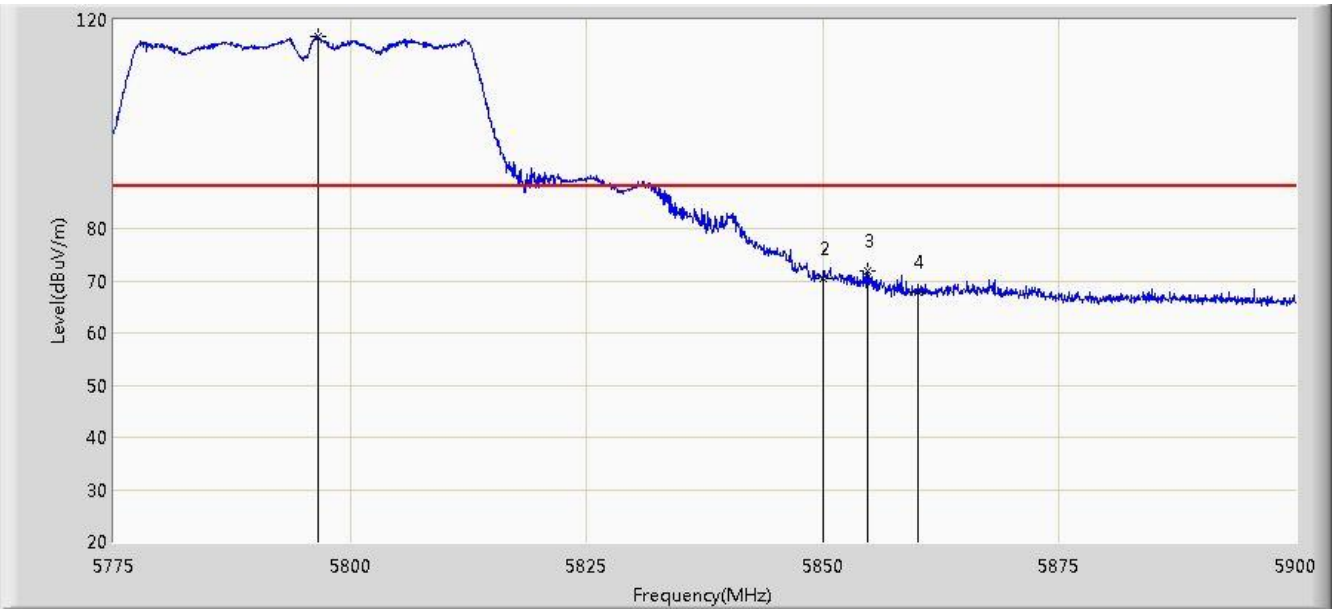


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5797.750	95.326	57.069	N/A	N/A	38.258	AV
2			5850.000	53.570	15.117	-24.630	78.200	38.454	AV
3			5860.000	52.634	14.156	-15.566	68.200	38.478	AV

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

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

Site: AC1	Time: 2015/01/11 - 16:16
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5795MHz by 802.11ac-VHT40 Ant 0+1+2+3	

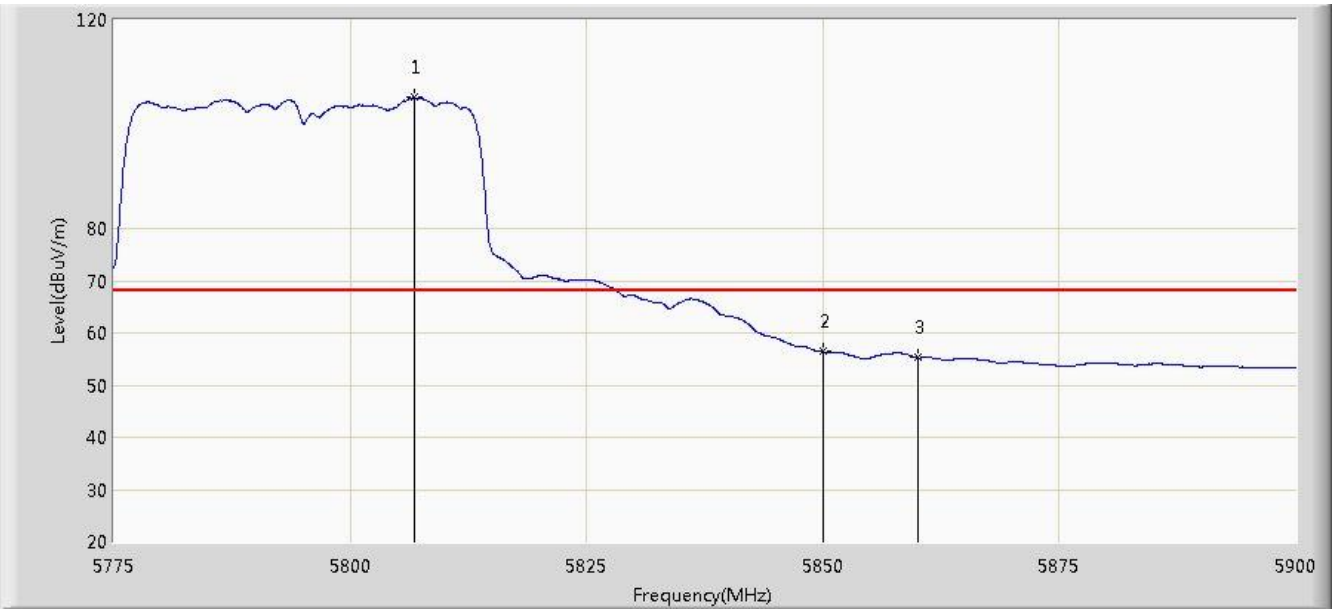


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5796.687	116.761	78.507	N/A	N/A	38.254	PK
2			5850.000	70.322	31.869	-27.878	98.200	38.454	PK
3			5854.750	71.795	33.330	-26.405	98.200	38.465	PK
4			5860.000	67.953	29.475	-20.247	88.200	38.478	PK

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

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

Site: AC1	Time: 2015/01/11 - 16:18
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5795MHz by 802.11ac-VHT40 Ant 0+1+2+3	

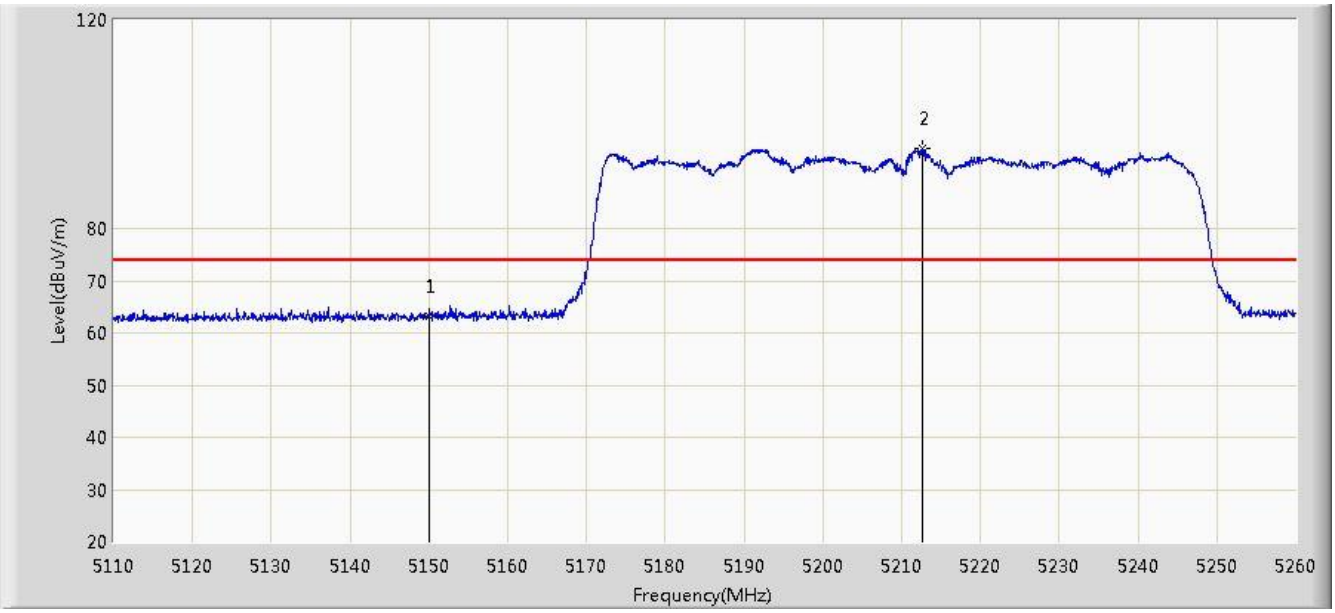


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5806.812	105.074	66.790	N/A	N/A	38.284	AV
2			5850.000	56.401	17.948	-21.799	78.200	38.454	AV
3			5860.000	55.232	16.754	-12.968	68.200	38.478	AV

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

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

Site: AC1	Time: 2015/01/11 - 16:23
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 5210MHz 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			5150.000	63.237	25.785	-10.763	74.000	37.452	PK
2		*	5212.600	95.363	58.081	N/A	N/A	37.282	PK

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

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

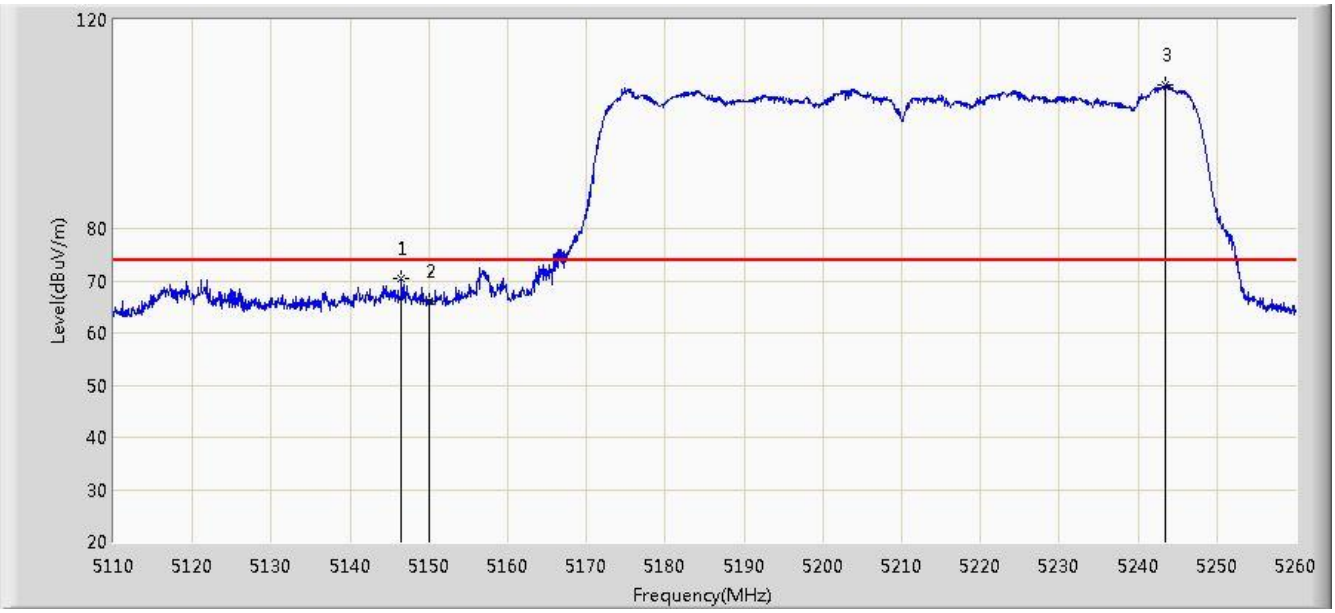
Site: AC1	Time: 2015/01/11 - 16:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5210MHz by 802.11ac-VHT80 Ant 0+1+2+3	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.446	12.994	-3.554	54.000	37.452	AV
2		*	5239.600	81.554	44.337	N/A	N/A	37.217	AV

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

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

Site: AC1	Time: 2015/01/11 - 16:26
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 5210MHz by 802.11ac-VHT80 Ant 0+1+2+3	

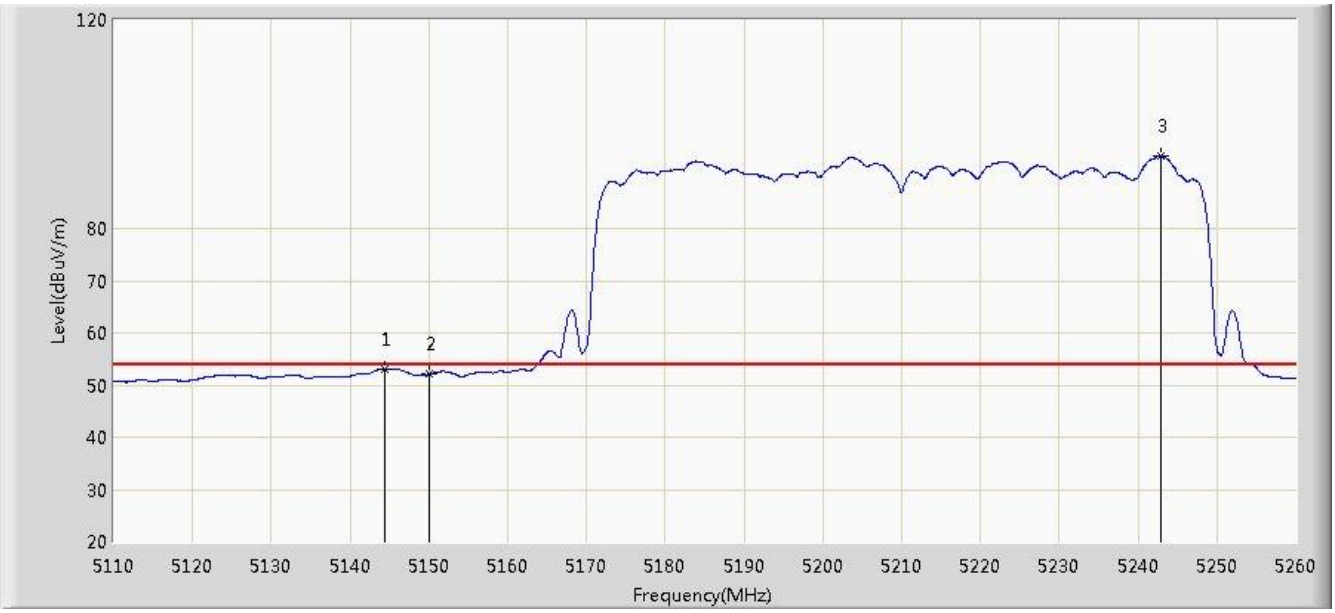


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.525	70.487	33.030	-3.513	74.000	37.457	PK
2			5150.000	66.202	28.750	-7.798	74.000	37.452	PK
3		*	5243.425	107.602	70.393	N/A	N/A	37.209	PK

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

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

Site: AC1	Time: 2015/01/11 - 16:30
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 5210MHz by 802.11ac-VHT80 Ant 0+1+2+3	

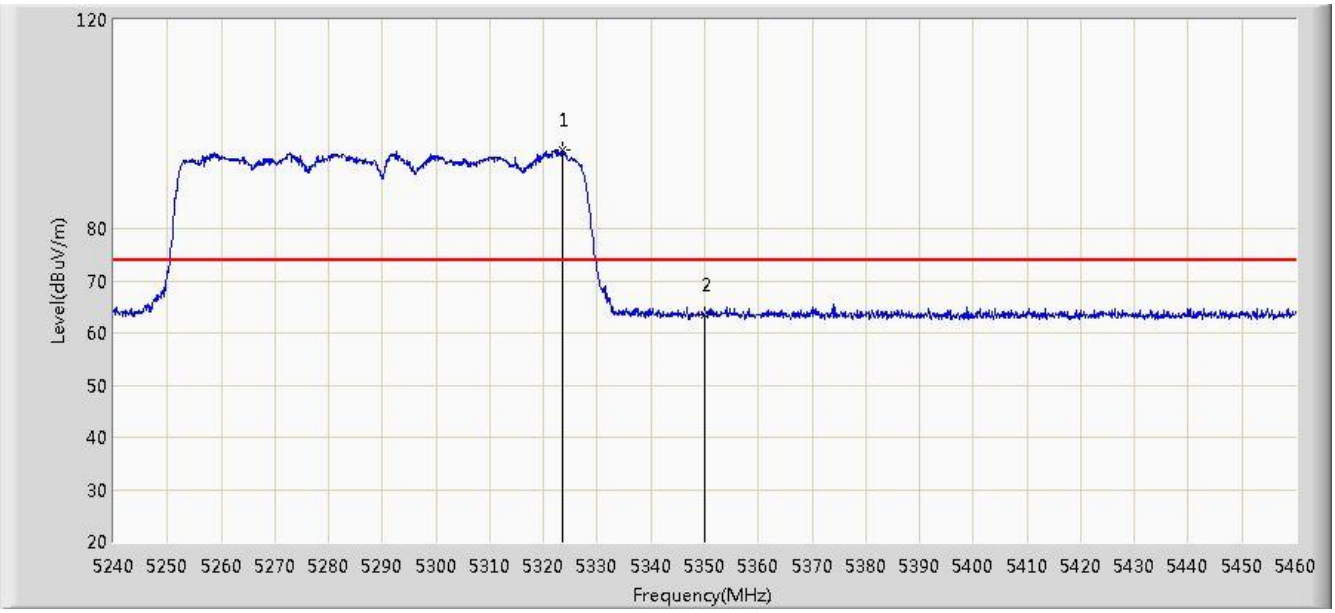


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.425	53.132	15.672	-0.868	54.000	37.461	AV
2			5150.000	52.109	14.657	-1.891	54.000	37.452	AV
3		*	5242.900	93.909	56.700	N/A	N/A	37.210	AV

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

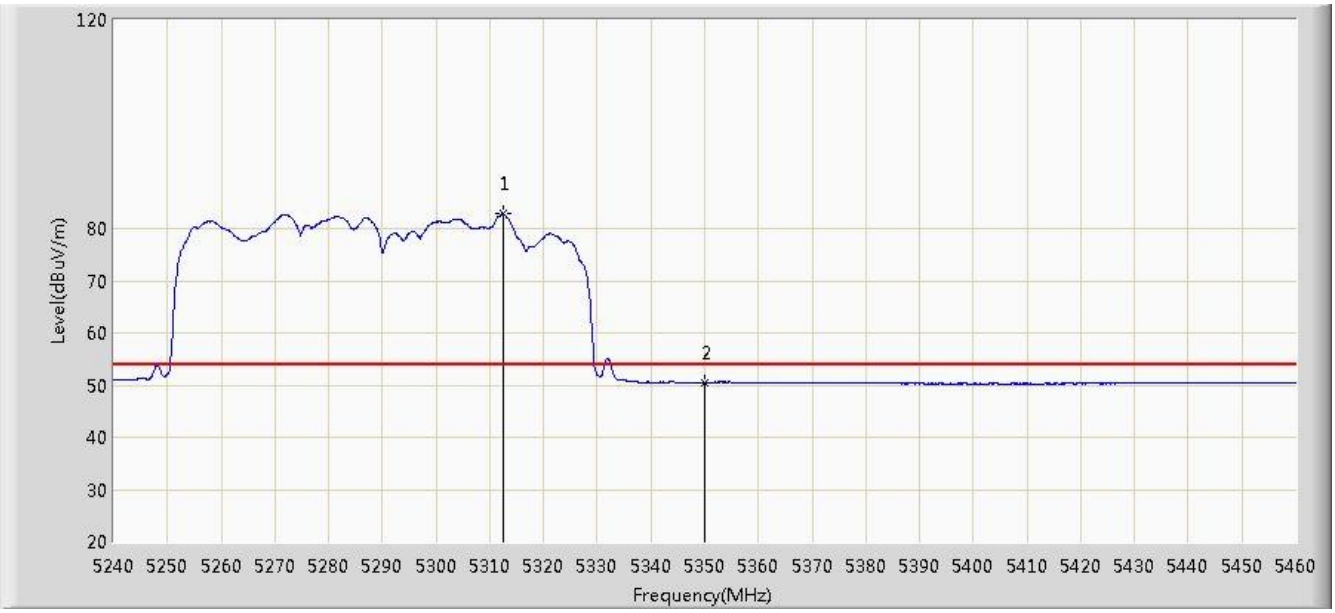


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5323.600	94.956	57.736	N/A	N/A	37.220	PK
2			5350.000	63.517	26.231	-10.483	74.000	37.286	PK

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

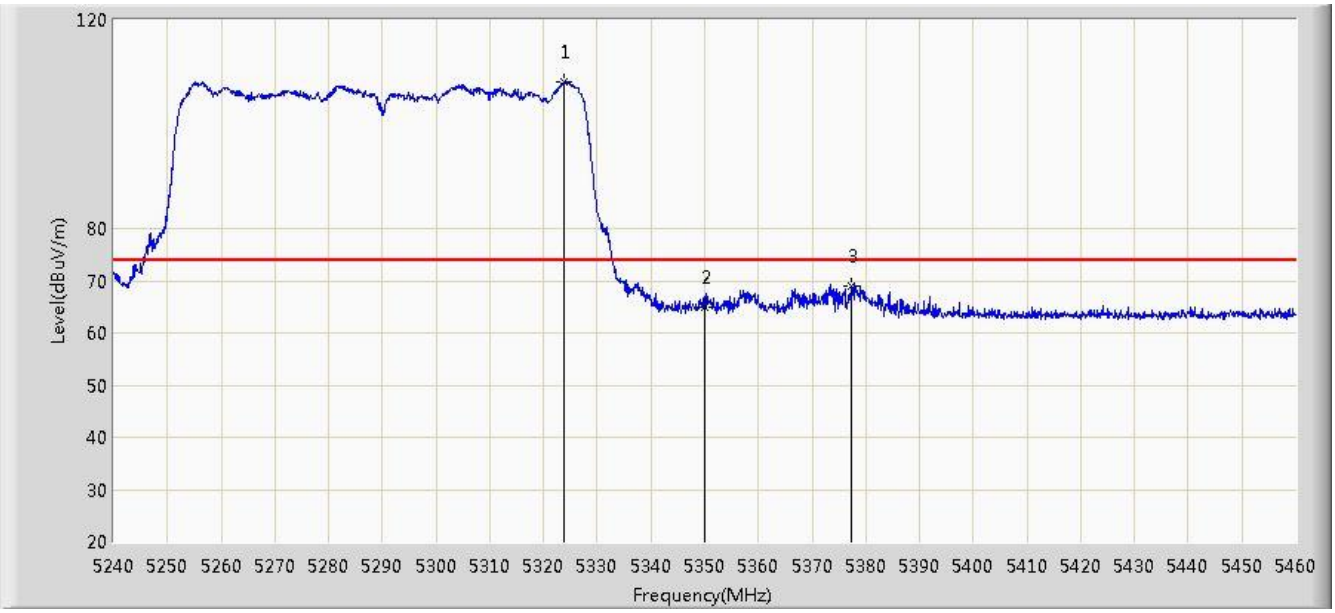


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5312.380	82.820	45.620	N/A	N/A	37.201	AV
2			5350.000	50.511	13.225	-3.489	54.000	37.286	AV

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

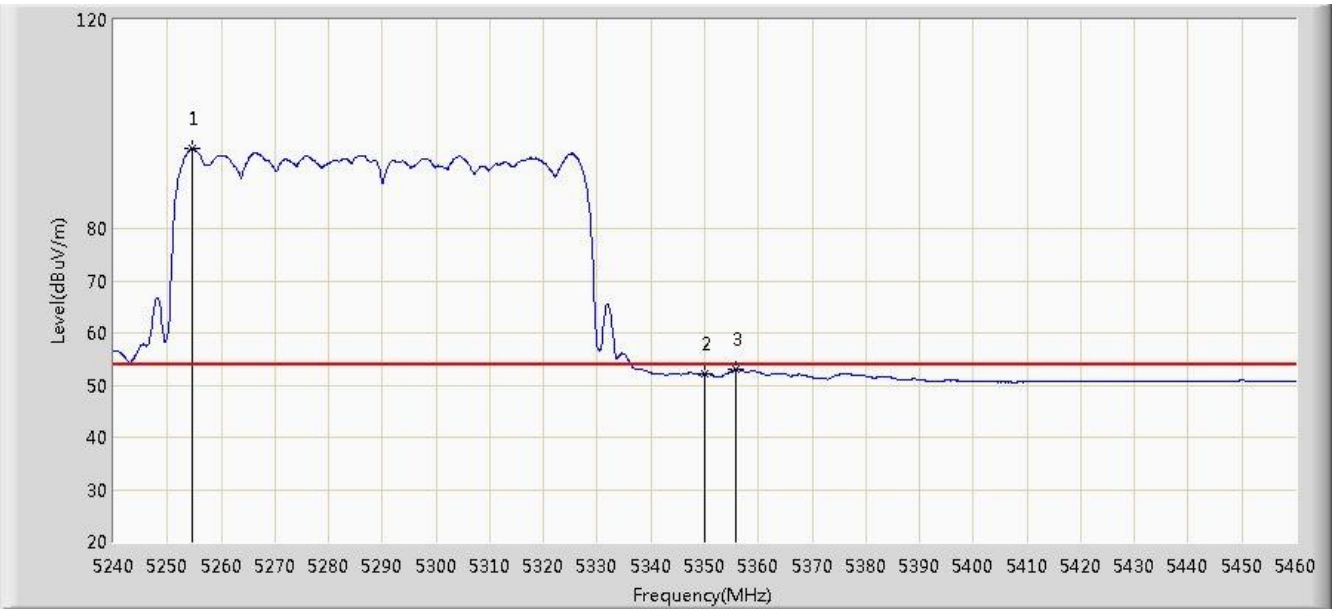


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5323.820	108.169	70.949	N/A	N/A	37.221	PK
2			5350.000	64.920	27.634	-9.080	74.000	37.286	PK
3			5377.280	69.014	31.667	-4.986	74.000	37.347	PK

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

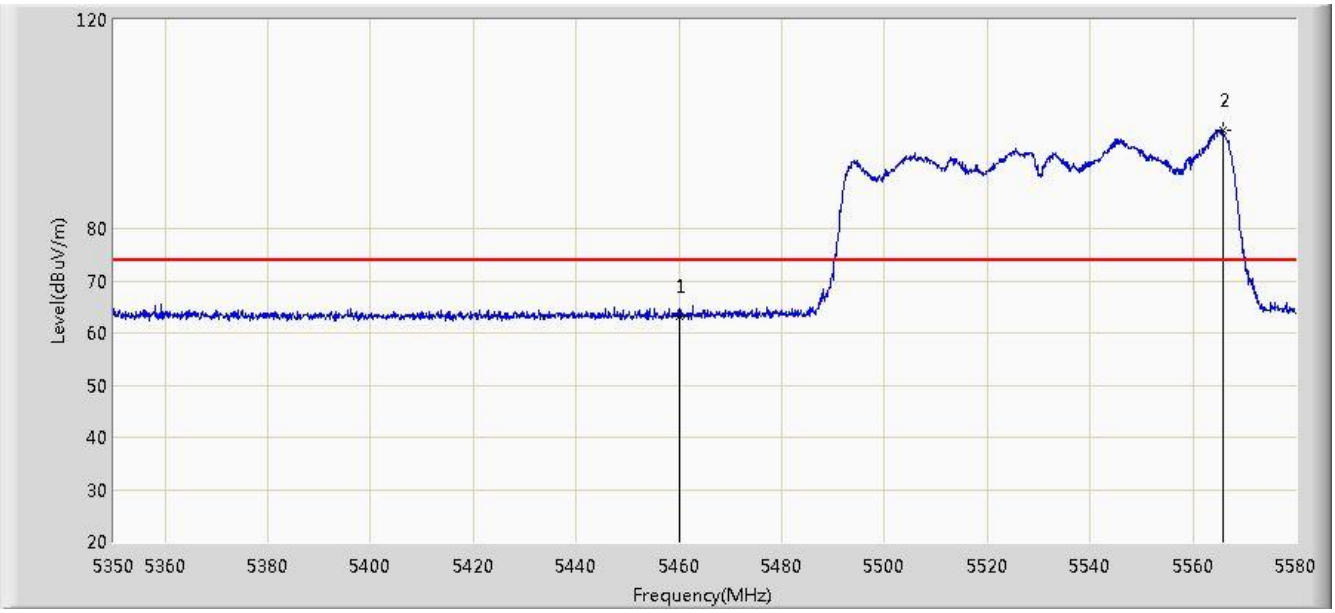


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5254.630	95.337	58.143	N/A	N/A	37.194	AV
2			5350.000	52.166	14.880	-1.834	54.000	37.286	AV
3			5355.830	52.991	15.688	-1.009	54.000	37.303	AV

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

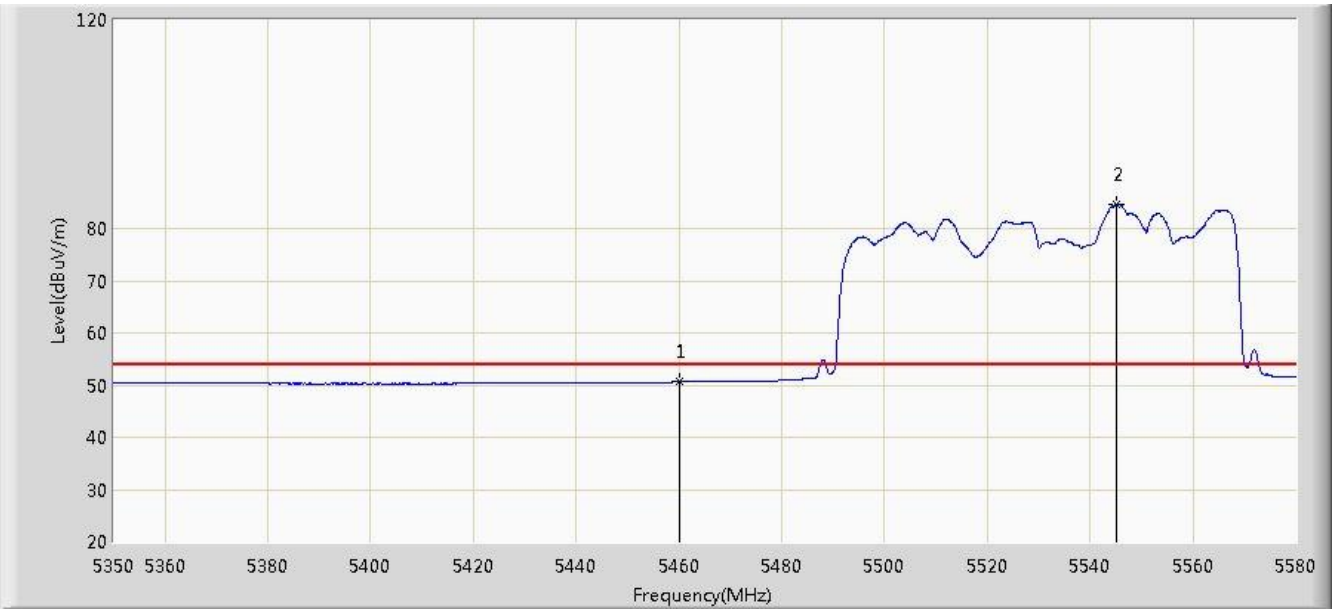


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	63.278	25.715	-10.722	74.000	37.563	PK
2		*	5565.740	98.869	61.162	N/A	N/A	37.707	PK

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

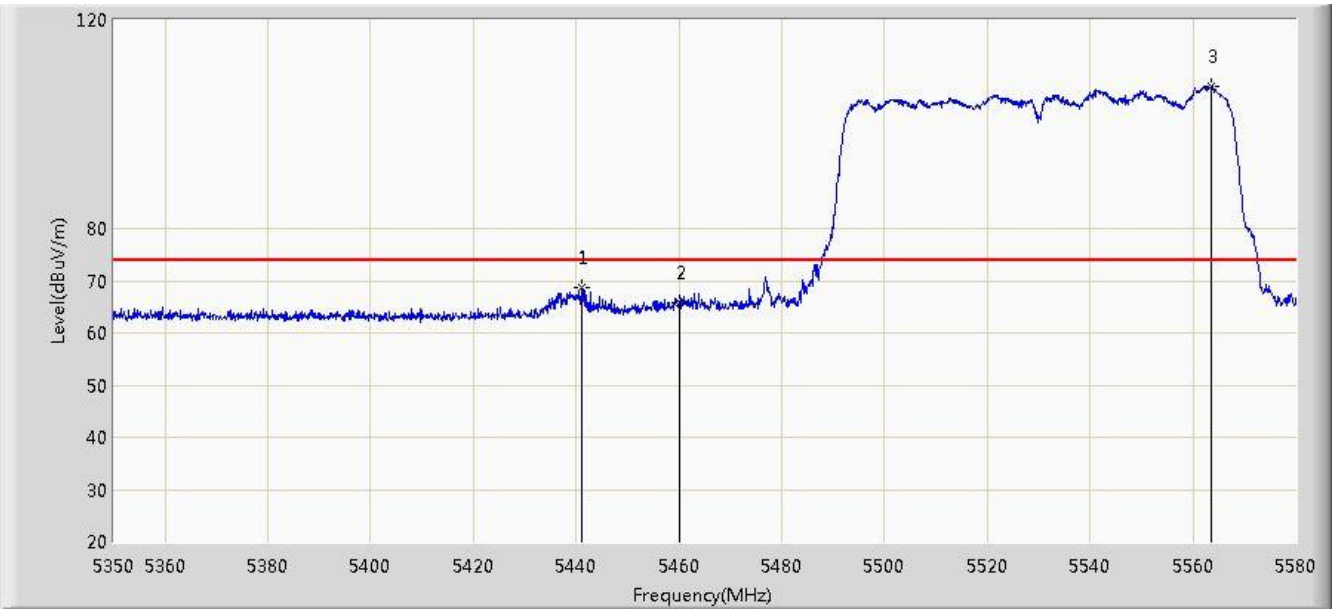


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.610	13.047	-3.390	54.000	37.563	AV
2		*	5545.155	84.686	46.992	N/A	N/A	37.694	AV

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

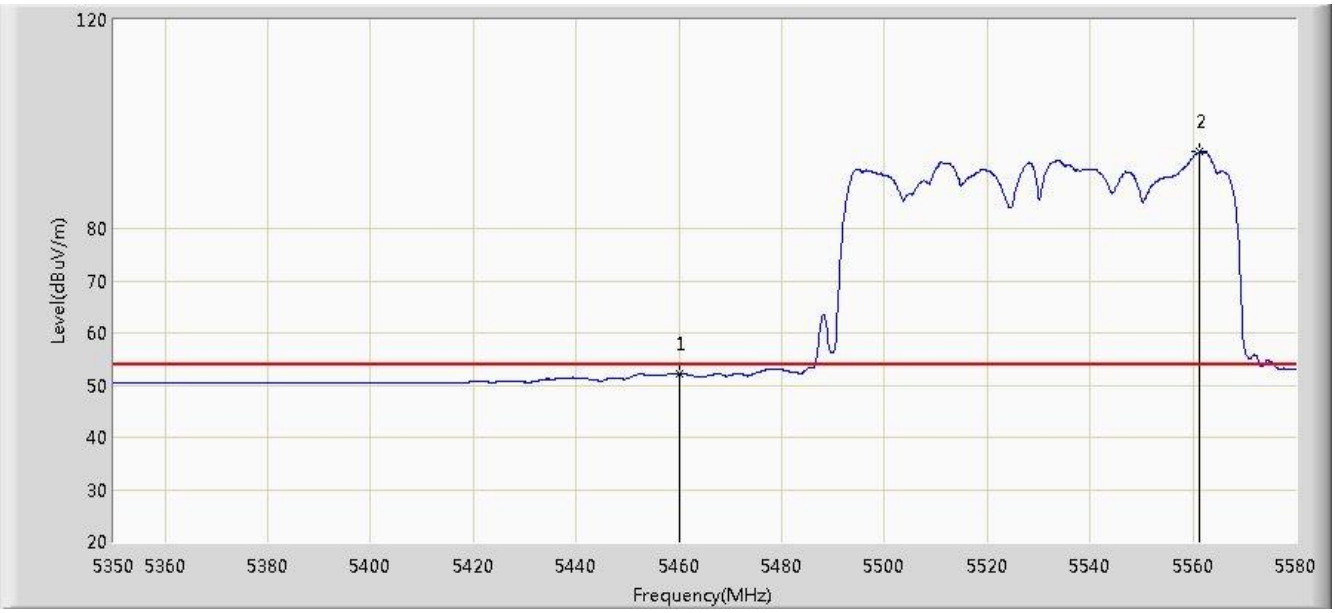


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5440.965	68.819	31.291	-5.181	74.000	37.528	PK
2			5460.000	65.720	28.157	-8.280	74.000	37.563	PK
3		*	5563.555	107.168	69.461	N/A	N/A	37.706	PK

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

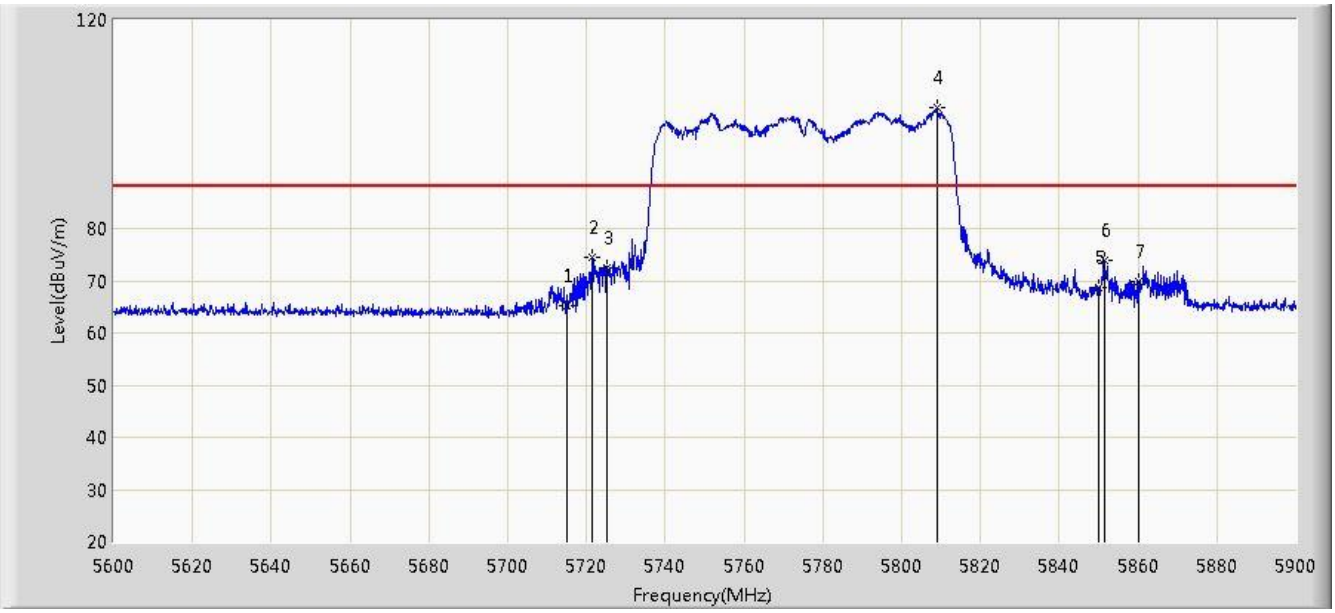


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	52.211	14.648	-1.789	54.000	37.563	AV
2		*	5561.255	94.736	57.029	N/A	N/A	37.707	AV

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

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

Site: AC1	Time: 2015/01/11 - 16:56
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5775MHz by 802.11ac-VHT80 Ant 0+1+2+3	

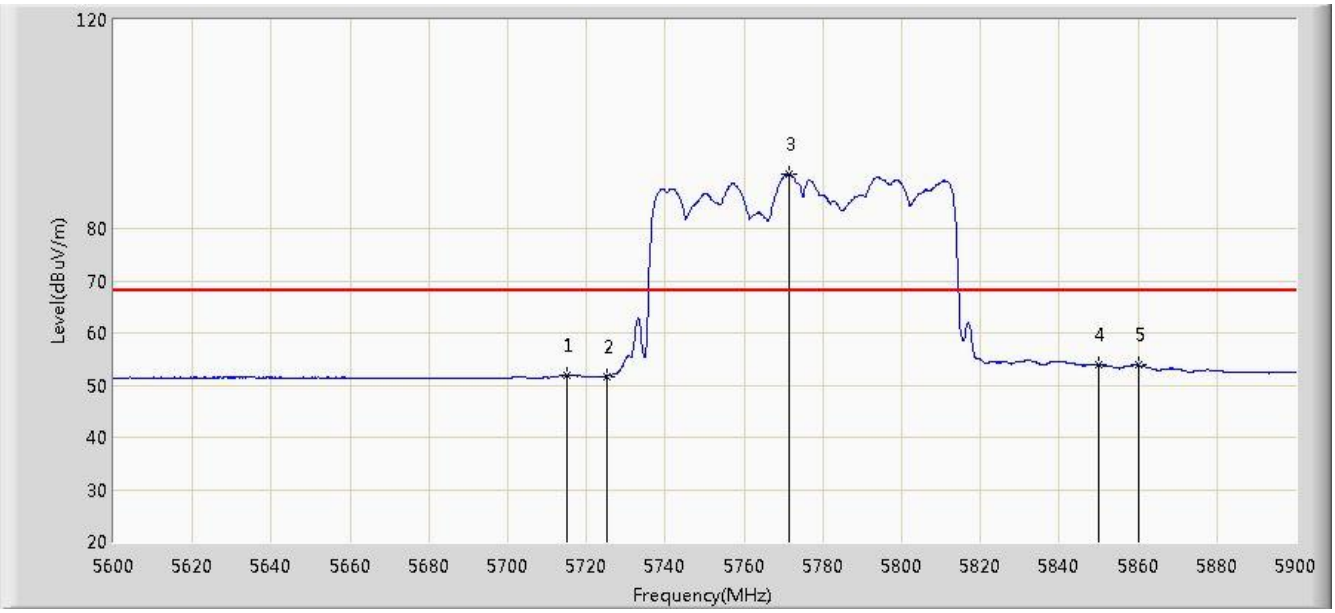


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	65.218	27.269	-22.982	88.200	37.949	PK
2			5721.350	74.452	36.477	-23.748	98.200	37.975	PK
3			5725.000	72.469	34.479	-25.731	98.200	37.990	PK
4		*	5808.950	103.094	64.803	N/A	N/A	38.291	PK
5			5850.000	68.644	30.191	-29.556	98.200	38.454	PK
6			5851.400	73.975	35.518	-24.225	98.200	38.457	PK
7			5860.000	69.789	31.311	-18.411	88.200	38.478	PK

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

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

Site: AC1	Time: 2015/01/11 - 16:57
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5775MHz by 802.11ac-VHT80 Ant 0+1+2+3	

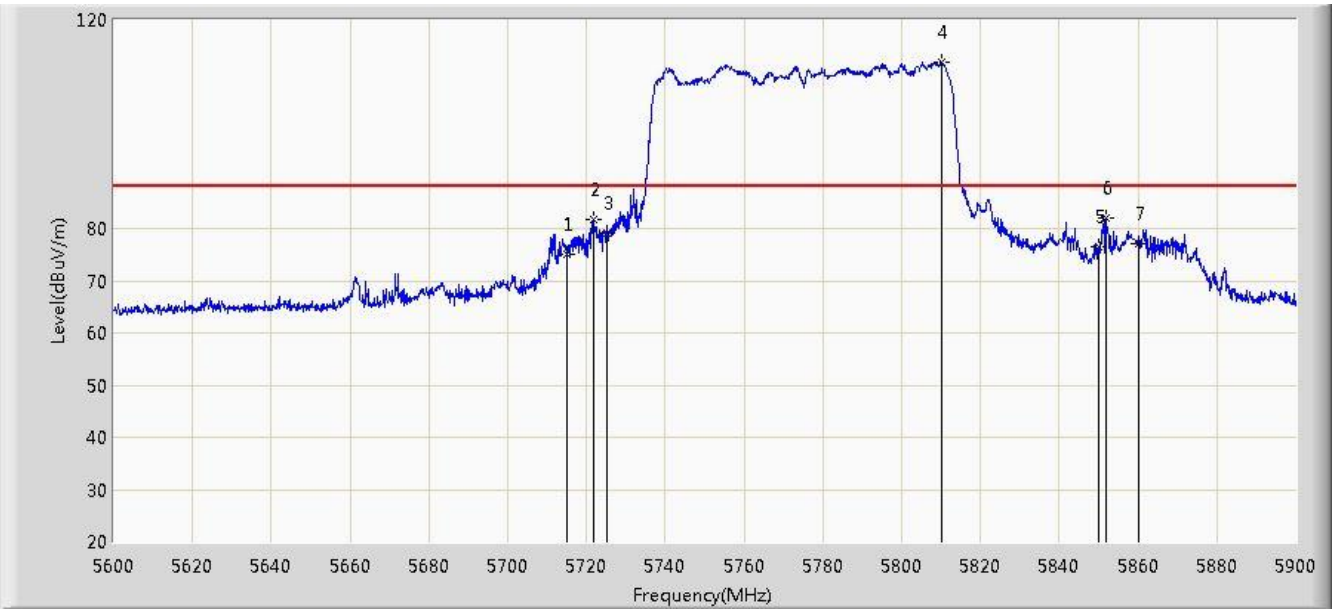


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.877	13.928	-16.323	68.200	37.949	AV
2			5725.000	51.735	13.745	-26.465	78.200	37.990	AV
3		*	5771.600	90.422	52.252	N/A	N/A	38.170	AV
4			5850.000	53.942	15.489	-24.258	78.200	38.454	AV
5			5860.000	53.791	15.313	-14.409	68.200	38.478	AV

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

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

Site: AC1	Time: 2015/01/11 - 17:01
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5775MHz by 802.11ac-VHT80 Ant 0+1+2+3	

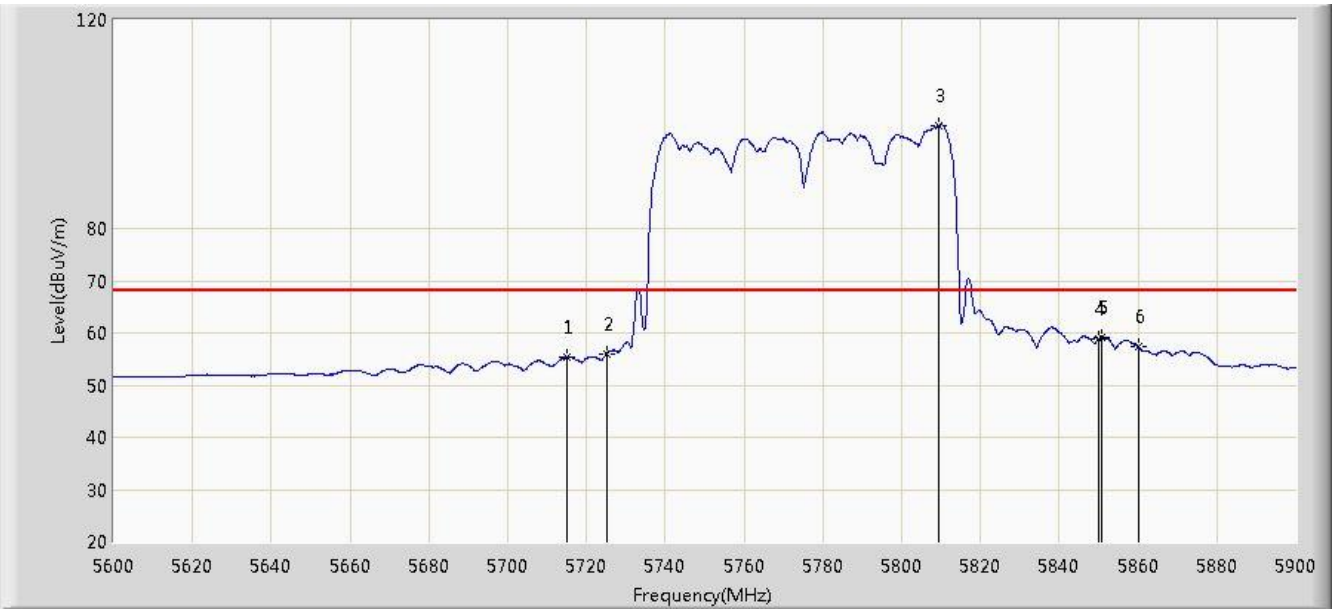


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	75.143	37.194	-13.057	88.200	37.949	PK
2			5721.650	81.704	43.728	-16.496	98.200	37.976	PK
3			5725.000	79.260	41.270	-18.940	98.200	37.990	PK
4		*	5810.300	111.828	73.533	N/A	N/A	38.295	PK
5			5850.000	76.482	38.029	-21.718	98.200	38.454	PK
6			5851.700	81.936	43.479	-16.264	98.200	38.458	PK
7			5860.000	77.233	38.755	-10.967	88.200	38.478	PK

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

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

Site: AC1	Time: 2015/01/11 - 17:02
Limit: FCC_PART15.407_RE(3M)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Indoor GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5775MHz 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			5715.000	55.432	17.483	-12.768	68.200	37.949	AV
2			5725.000	55.973	17.983	-22.227	78.200	37.990	AV
3		*	5809.400	99.756	61.464	N/A	N/A	38.292	AV
4			5850.000	58.850	20.397	-19.350	78.200	38.454	AV
5			5850.800	59.074	20.619	-19.126	78.200	38.455	AV
6			5860.000	57.305	18.827	-10.895	68.200	38.478	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + 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 Subpart C Paragraph 15.207		
Frequency (MHz)	QP (dBμV)	AV (dBμV)
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.

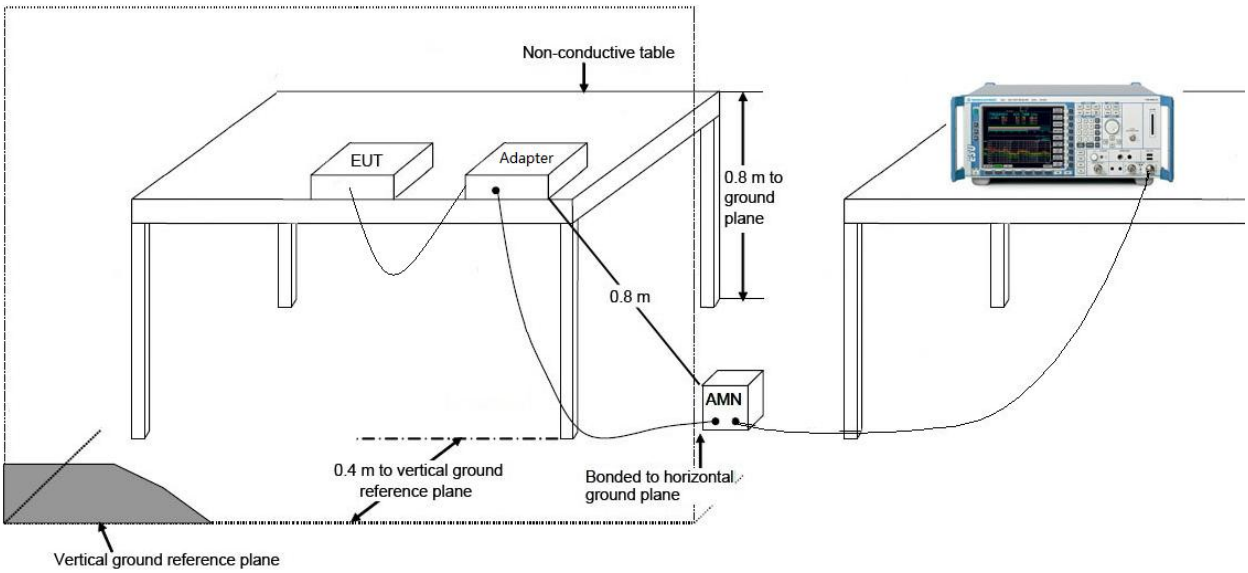
7.10.2. Test Procedure

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.

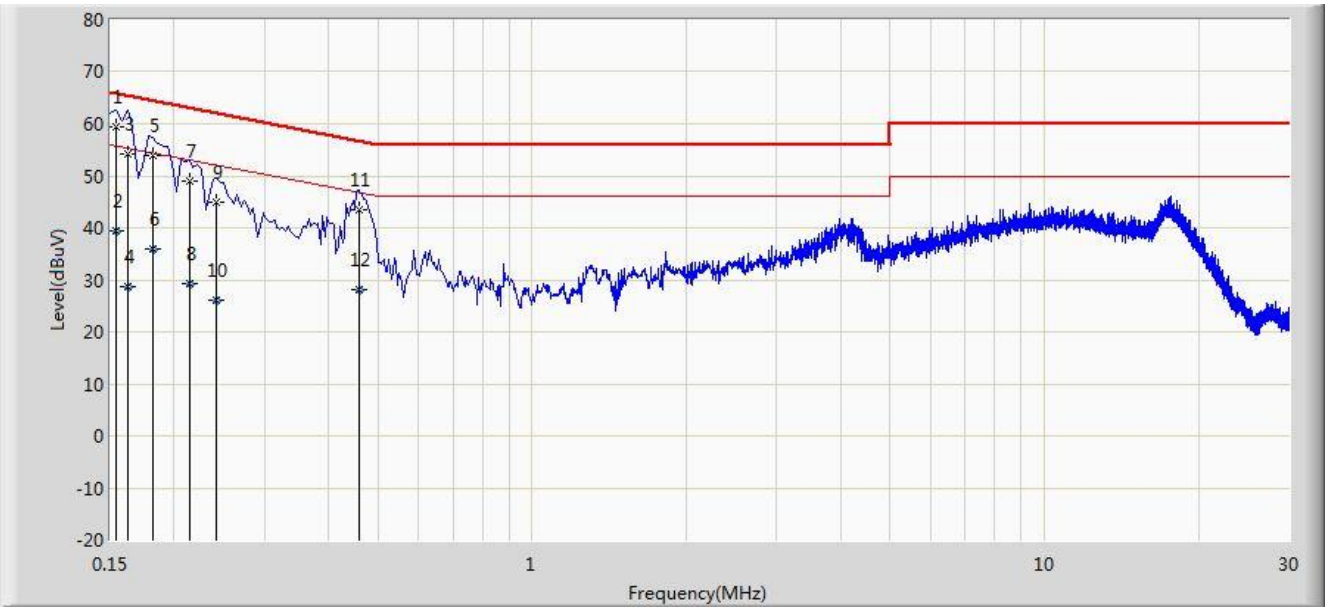
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

7.10.3. Test Setup



7.10.4. Test Result

Site: SR2	Time: 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	

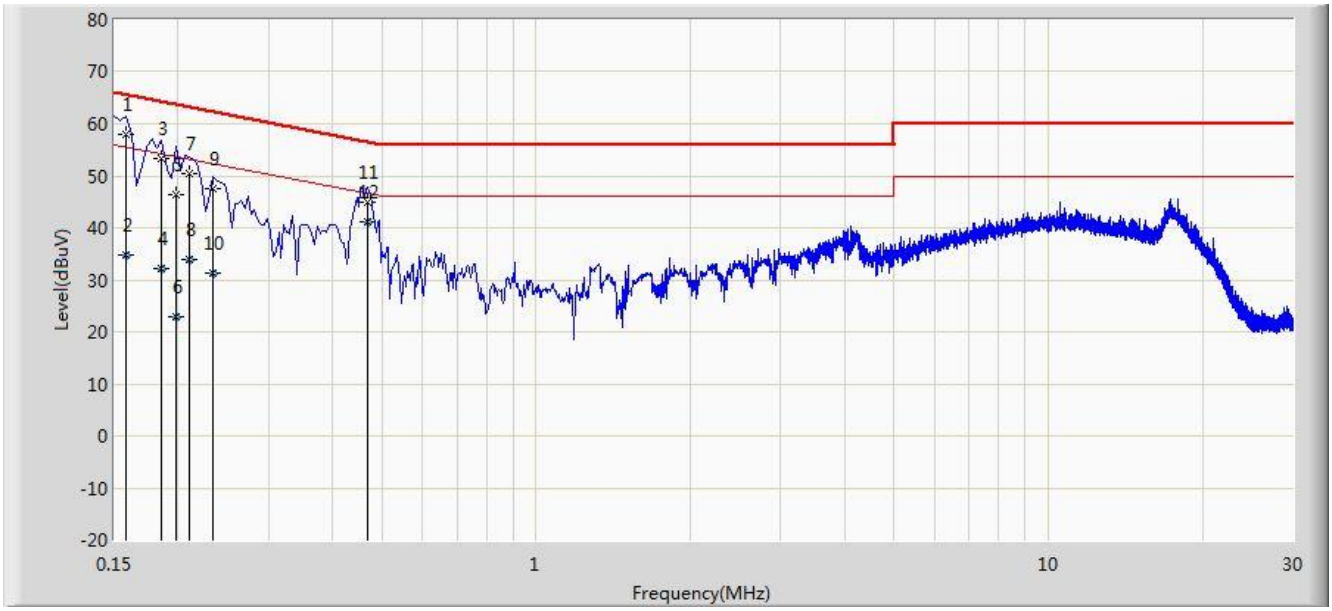


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.154	59.501	48.761	-6.281	65.781	10.740	QP
2			0.154	39.344	28.605	-16.437	55.781	10.740	AV
3			0.162	54.060	43.963	-11.301	65.361	10.097	QP
4			0.162	28.607	18.510	-26.754	55.361	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.

The End