

|               |                                                                                                                                                                                   |                |           |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|
| Test Mode:    | 802.11ac-VHT40                                                                                                                                                                    | Test Site:     | AC1       |
| Test Channel: | 142                                                                                                                                                                               | Test Engineer: | Roy Cheng |
| Remark:       | 1. Average measurement was not performed if peak level lower than average limit.<br>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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
| *    | 7183.9          | 33.9                 | 13.6        | 47.5                   | 88.2           | -40.7       | Peak     | Horizontal   |
| *    | 8516.5          | 34.2                 | 14.6        | 48.8                   | 88.2           | -39.4       | Peak     | Horizontal   |
|      | 9471.5          | 35.7                 | 15.4        | 51.1                   | 74.0           | -22.9       | Peak     | Horizontal   |
|      | 11803.5         | 32.9                 | 19.3        | 52.2                   | 74.0           | -21.8       | Peak     | Horizontal   |
| *    | 7210.7          | 34.6                 | 13.7        | 48.3                   | 88.2           | -39.9       | Peak     | Vertical     |
| *    | 7865.5          | 34.2                 | 15.0        | 49.2                   | 88.2           | -39.0       | Peak     | Vertical     |
|      | 9437.6          | 35.3                 | 15.5        | 50.8                   | 74.0           | -23.2       | Peak     | Vertical     |
|      | 11803.5         | 33.0                 | 19.3        | 52.3                   | 74.0           | -21.7       | 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.

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.<br>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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
|      | 7359.4          | 35.1                 | 8.0         | 43.1                   | 74.0           | -30.9       | Peak     | Horizontal   |
| *    | 9207.5          | 34.7                 | 10.1        | 44.8                   | 88.2           | -43.4       | Peak     | Horizontal   |
|      | 11506.0         | 39.7                 | 12.8        | 52.5                   | 74.0           | -21.5       | Peak     | Horizontal   |
| *    | 17269.0         | 39.8                 | 16.1        | 55.9                   | 88.2           | -32.3       | Peak     | Horizontal   |
|      | 7330.0          | 35.4                 | 8.0         | 43.4                   | 74.0           | -30.6       | Peak     | Vertical     |
| *    | 9246.2          | 35.1                 | 10.2        | 45.3                   | 88.2           | -42.9       | Peak     | Vertical     |
|      | 11514.5         | 37.5                 | 12.8        | 50.3                   | 74.0           | -23.7       | Peak     | Vertical     |
| *    | 13416.0         | 33.9                 | 13.6        | 47.5                   | 88.2           | -40.7       | 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.

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.<br>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          | 35.5                 | 8.0         | 43.5                   | 74.0           | -30.5       | Peak     | Horizontal   |
| *    | 9648.3          | 34.8                 | 11.0        | 45.8                   | 88.2           | -42.4       | Peak     | Horizontal   |
|      | 11452.8         | 33.7                 | 12.7        | 46.4                   | 74.0           | -27.6       | Peak     | Horizontal   |
| *    | 13486.3         | 35.1                 | 13.7        | 48.8                   | 88.2           | -39.4       | Peak     | Horizontal   |
|      | 7306.3          | 35.3                 | 8.0         | 43.3                   | 74.0           | -30.7       | Peak     | Vertical     |
| *    | 8651.2          | 35.2                 | 8.8         | 44.0                   | 88.2           | -44.2       | Peak     | Vertical     |
|      | 11450.3         | 34.5                 | 12.7        | 47.2                   | 74.0           | -26.8       | Peak     | Vertical     |
| *    | 13402.6         | 34.2                 | 13.7        | 47.9                   | 88.2           | -40.3       | 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.

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.<br>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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
|      | 7305.2          | 35.8                 | 8.0         | 43.8                   | 74.0           | -30.2       | Peak     | Horizontal   |
| *    | 9253.3          | 34.7                 | 10.2        | 44.9                   | 88.2           | -43.3       | Peak     | Horizontal   |
|      | 11623.3         | 36.0                 | 12.5        | 48.5                   | 74.0           | -25.5       | Peak     | Horizontal   |
| *    | 13472.9         | 34.1                 | 13.7        | 47.8                   | 88.2           | -40.4       | Peak     | Horizontal   |
|      | 7314.3          | 35.7                 | 8.0         | 43.7                   | 74.0           | -30.3       | Peak     | Vertical     |
| *    | 9263.6          | 34.4                 | 10.3        | 44.7                   | 88.2           | -43.5       | Peak     | Vertical     |
|      | 11591.0         | 38.8                 | 12.6        | 51.4                   | 74.0           | -22.6       | Peak     | Vertical     |
| *    | 12742.1         | 34.8                 | 11.7        | 46.5                   | 88.2           | -41.7       | 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.

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: | 58                                                                                                                                                                                | Test Engineer: | Roy Cheng |
| Remark:       | 1. Average measurement was not performed if peak level lower than average limit.<br>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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
|      | 7359.7          | 36.1                 | 8.0         | 44.1                   | 74.0           | -29.9       | Peak     | Horizontal   |
| *    | 9254.3          | 34.5                 | 10.2        | 44.7                   | 88.2           | -43.5       | Peak     | Horizontal   |
|      | 11495.9         | 34.9                 | 12.8        | 47.7                   | 74.0           | -26.3       | Peak     | Horizontal   |
| *    | 12747.0         | 34.9                 | 11.7        | 46.6                   | 88.2           | -41.6       | Peak     | Horizontal   |
|      | 7346.3          | 35.5                 | 8.0         | 43.5                   | 74.0           | -30.5       | Peak     | Vertical     |
| *    | 9625.7          | 34.0                 | 10.9        | 44.9                   | 88.2           | -43.3       | Peak     | Vertical     |
|      | 11495.8         | 34.6                 | 12.8        | 47.4                   | 74.0           | -26.6       | Peak     | Vertical     |
| *    | 12763.0         | 35.0                 | 11.7        | 46.7                   | 88.2           | -41.5       | 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.

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: | 106                                                                                                                                                                               | Test Engineer: | Roy Cheng |
| Remark:       | 1. Average measurement was not performed if peak level lower than average limit.<br>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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
| *    | 7053.7          | 35.1                 | 13.1        | 48.2                   | 88.2           | -40.0       | Peak     | Horizontal   |
| *    | 7983.5          | 34.3                 | 15.0        | 49.3                   | 88.2           | -38.9       | Peak     | Horizontal   |
|      | 9483.5          | 35.2                 | 15.4        | 50.6                   | 74.0           | -23.4       | Peak     | Horizontal   |
|      | 11803.5         | 33.0                 | 19.3        | 52.3                   | 74.0           | -21.7       | Peak     | Horizontal   |
| *    | 7159.9          | 34.5                 | 13.6        | 48.1                   | 88.2           | -40.1       | Peak     | Vertical     |
| *    | 8573.6          | 35.3                 | 14.5        | 49.8                   | 88.2           | -38.4       | Peak     | Vertical     |
|      | 9405.5          | 35.3                 | 15.4        | 50.7                   | 74.0           | -23.3       | Peak     | Vertical     |
|      | 12653.5         | 33.3                 | 19.8        | 53.1                   | 74.0           | -20.9       | 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.

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: | 122                                                                                                                                                                               | Test Engineer: | Roy Cheng |
| Remark:       | 1. Average measurement was not performed if peak level lower than average limit.<br>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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
| *    | 7022.3          | 36.1                 | 13.1        | 49.2                   | 88.2           | -39.0       | Peak     | Horizontal   |
| *    | 7963.2          | 33.3                 | 15.0        | 48.3                   | 88.2           | -39.9       | Peak     | Horizontal   |
|      | 9483.5          | 35.2                 | 15.4        | 50.6                   | 74.0           | -23.4       | Peak     | Horizontal   |
|      | 11803.5         | 33.0                 | 19.3        | 52.3                   | 74.0           | -21.7       | Peak     | Horizontal   |
| *    | 7161.2          | 34.5                 | 13.6        | 48.1                   | 88.2           | -40.1       | Peak     | Vertical     |
| *    | 8581.6          | 35.3                 | 14.5        | 49.8                   | 88.2           | -38.4       | Peak     | Vertical     |
|      | 9405.5          | 35.3                 | 15.4        | 50.7                   | 74.0           | -23.3       | Peak     | Vertical     |
|      | 12653.5         | 33.3                 | 19.8        | 53.1                   | 74.0           | -20.9       | 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.

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: | 138                                                                                                                                                                               | Test Engineer: | Roy Cheng |
| Remark:       | 1. Average measurement was not performed if peak level lower than average limit.<br>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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
| *    | 7243.7          | 34.0                 | 13.8        | 47.8                   | 88.2           | -40.4       | Peak     | Horizontal   |
| *    | 8006.5          | 33.9                 | 15.1        | 49.0                   | 88.2           | -39.2       | Peak     | Horizontal   |
|      | 9373.6          | 34.6                 | 15.3        | 49.9                   | 74.0           | -24.1       | Peak     | Horizontal   |
|      | 11803.5         | 33.1                 | 19.3        | 52.4                   | 74.0           | -21.6       | Peak     | Horizontal   |
| *    | 7195.5          | 35.4                 | 13.6        | 49.0                   | 88.2           | -39.2       | Peak     | Vertical     |
| *    | 8507.5          | 34.7                 | 14.6        | 49.3                   | 88.2           | -38.9       | Peak     | Vertical     |
|      | 9365.5          | 36.0                 | 15.3        | 51.3                   | 74.0           | -22.7       | Peak     | Vertical     |
|      | 11735.5         | 34.3                 | 19.2        | 53.5                   | 74.0           | -20.5       | 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.

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.<br>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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
|      | 7348.2          | 35.0                 | 8.0         | 43.0                   | 74.0           | -31.0       | Peak     | Horizontal   |
| *    | 9647.9          | 34.1                 | 11.0        | 45.1                   | 88.2           | -43.1       | Peak     | Horizontal   |
|      | 11462.3         | 34.6                 | 12.7        | 47.3                   | 74.0           | -26.7       | Peak     | Horizontal   |
| *    | 12756.6         | 35.6                 | 11.7        | 47.3                   | 88.2           | -40.9       | Peak     | Horizontal   |
|      | 7352.7          | 36.4                 | 8.0         | 44.4                   | 74.0           | -29.6       | Peak     | Vertical     |
| *    | 9263.6          | 34.4                 | 10.3        | 44.7                   | 88.2           | -43.5       | Peak     | Vertical     |
|      | 11485.3         | 34.6                 | 12.7        | 47.3                   | 74.0           | -26.7       | Peak     | Vertical     |
| *    | 13475.3         | 34.3                 | 13.7        | 48.0                   | 88.2           | -40.2       | Peak     | Vertical     |

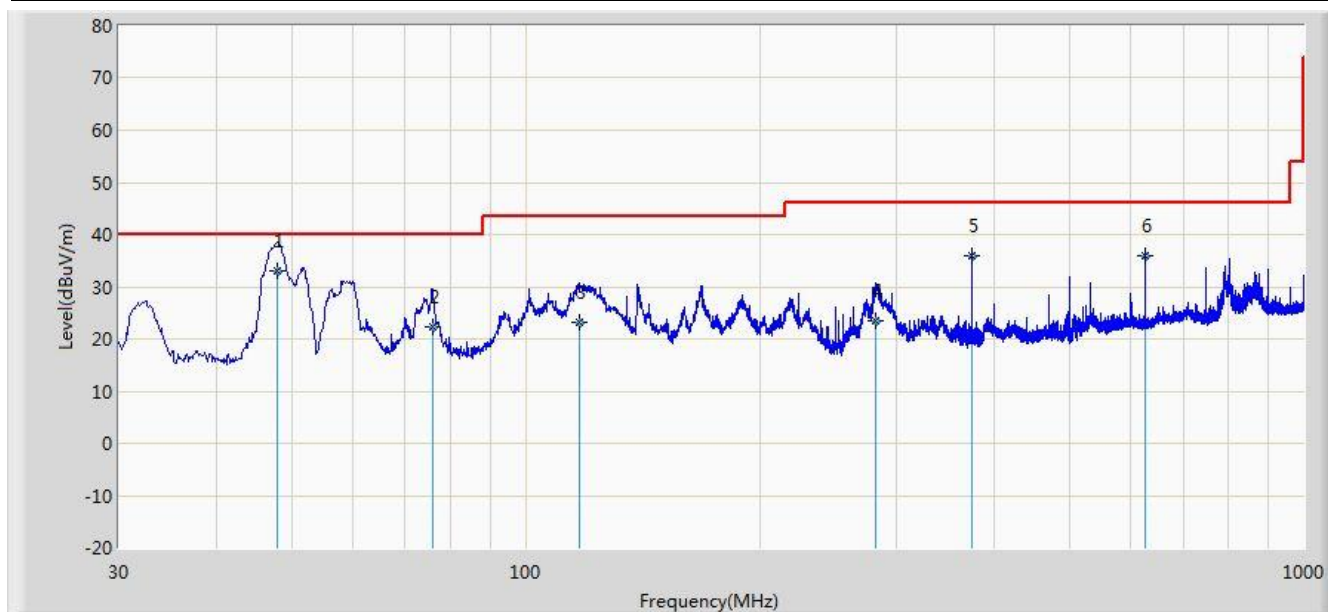
Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: 2014/07/27 - 14:11 |
| Limit: FCC_Part15.209_RE(3m)                    | Engineer: Sunny Sun      |
| Probe: VULB9162_0.03-8GHz                       | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU           | Power: AC 120V/60Hz      |
| <b>Worst Case Mode: 802.11a Channel 5180MHz</b> |                          |

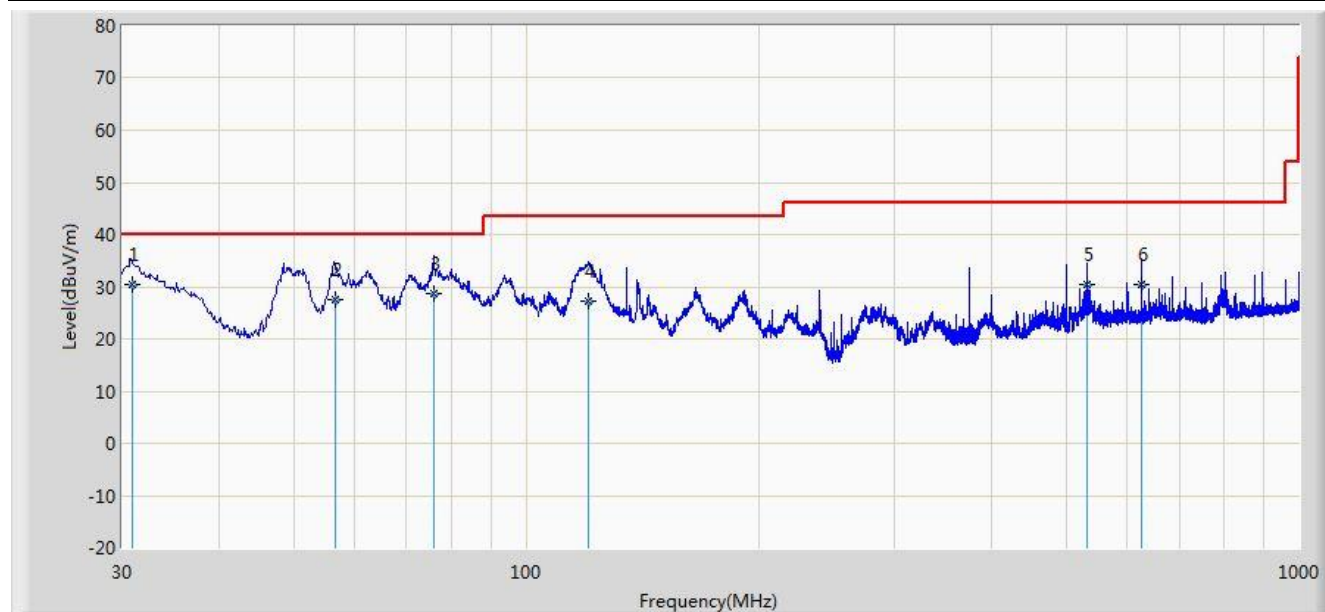


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 47.945          | 33.151                 | 18.360               | -6.849          | 40.000         | 14.792      | QP   |
| 2  |      |      | 75.833          | 22.228                 | 12.900               | -17.772         | 40.000         | 9.328       | QP   |
| 3  |      |      | 117.201         | 23.141                 | 11.700               | -20.359         | 43.500         | 11.441      | QP   |
| 4  |      |      | 281.959         | 23.394                 | 9.600                | -22.606         | 46.000         | 13.794      | QP   |
| 5  |      | *    | 374.992         | 35.832                 | 20.100               | -10.168         | 46.000         | 15.732      | QP   |
| 6  |      |      | 625.003         | 35.922                 | 16.200               | -10.078         | 46.000         | 19.722      | QP   |

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

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

|                                                 |                          |
|-------------------------------------------------|--------------------------|
| Site: AC1                                       | Time: 2014/07/27 - 13:39 |
| Limit: FCC_Part15.209_RE(3m)                    | Engineer: Sunny Sun      |
| Probe: VULB9162_0.03-8GHz                       | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU           | Power: AC 120V/60Hz      |
| <b>Worst Case Mode: 802.11a Channel 5180MHz</b> |                          |

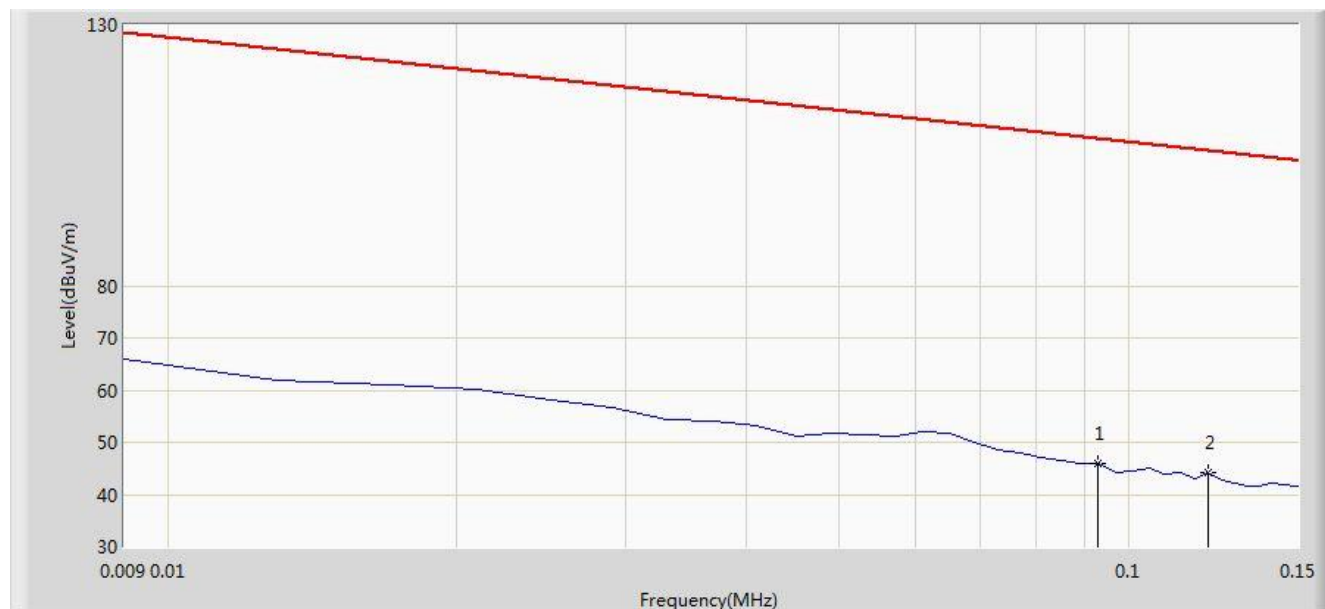


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 30.937          | 30.372                 | 18.300               | -9.628          | 40.000         | 12.072      | QP   |
| 2  |      |      | 56.581          | 27.646                 | 13.400               | -12.354         | 40.000         | 14.246      | QP   |
| 3  |      |      | 75.965          | 28.796                 | 19.500               | -11.204         | 40.000         | 9.296       | QP   |
| 4  |      |      | 120.238         | 27.373                 | 16.400               | -16.127         | 43.500         | 10.973      | QP   |
| 5  |      |      | 531.260         | 30.387                 | 12.200               | -15.613         | 46.000         | 18.187      | QP   |
| 6  |      |      | 624.999         | 30.522                 | 10.800               | -15.478         | 46.000         | 19.722      | QP   |

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

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

|                                                                            |                          |
|----------------------------------------------------------------------------|--------------------------|
| Site: AC1                                                                  | Time: 2014/07/27 - 13:42 |
| Limit: FCC_Part15.209_RE(3m)                                               | Engineer: Roy Cheng      |
| Probe: FMZB1519_0.009-30MHz                                                | Polarity: Face On        |
| EUT: WIFI dual band 4 GE LAN GPON HGU                                      | Power: AC 120V/60Hz      |
| <b>Note: There is the ambient noise within frequency range 9kHz~30MHz.</b> |                          |

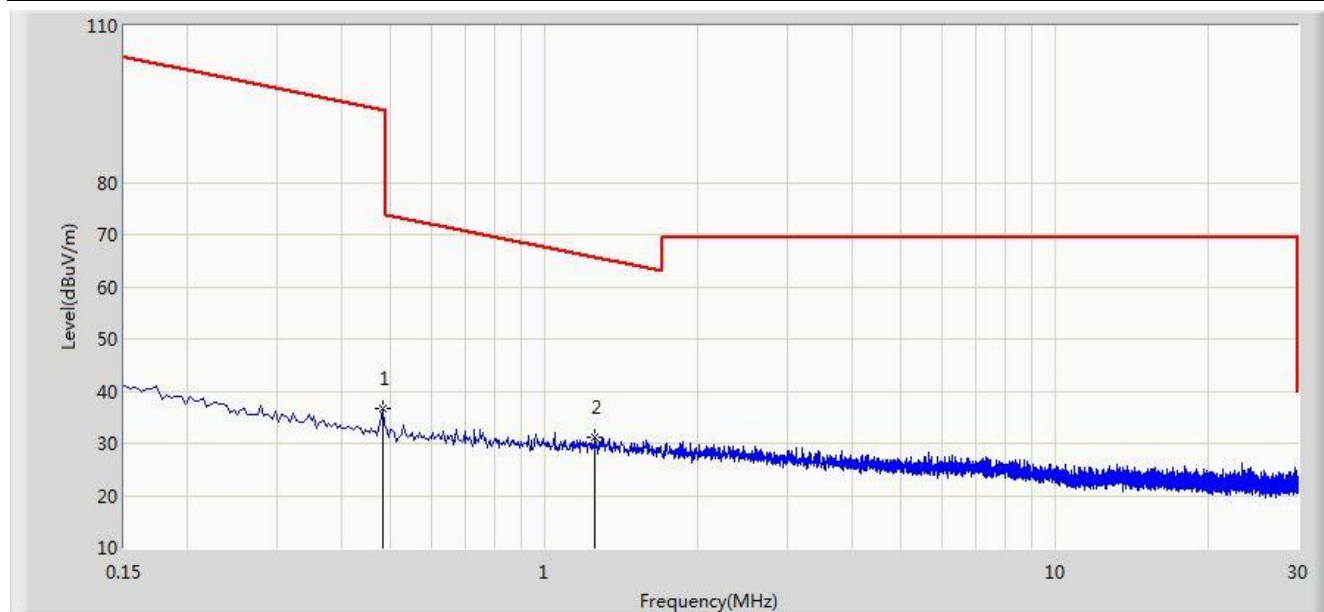


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 0.093           | 46.049                 | 25.820               | -62.178         | 108.226        | 20.229      | QP   |
| 2  |      | *    | 0.121           | 44.063                 | 23.875               | -61.879         | 105.942        | 20.188      | QP   |

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

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

|                                                                            |                          |
|----------------------------------------------------------------------------|--------------------------|
| Site: AC1                                                                  | Time: 2014/07/27 - 13:42 |
| Limit: FCC_Part15.209_RE(3m)                                               | Engineer: Roy Cheng      |
| Probe: FMZB1519_0.009-30MHz                                                | Polarity: Face On        |
| EUT: WIFI dual band 4 GE LAN GPON HGU                                      | Power: AC 120V/60Hz      |
| <b>Note: There is the ambient noise within frequency range 9kHz~30MHz.</b> |                          |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 0.482           | 36.594                 | 16.194               | -57.348         | 93.943         | 20.401      | QP   |
| 2  |      | *    | 1.258           | 31.288                 | 10.788               | -34.345         | 65.633         | 20.500      | QP   |

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

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

|                                                                             |                          |
|-----------------------------------------------------------------------------|--------------------------|
| Site: AC1                                                                   | Time: 2014/07/27 - 12:31 |
| Limit: FCC_Part15.209_RE(1m)                                                | Engineer: Roy Cheng      |
| Probe: BBHA9170_18-40GHz                                                    | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                                       | Power: AC 120V/60Hz      |
| <b>Note: There is the ambient noise within frequency range 18GHz~40GHz.</b> |                          |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 33179.678       | 48.619                 | 27.098               | -14.881         | 63.500         | 21.521      | AV   |
| 2  |      |      | 33180.000       | 61.501                 | 39.980               | -21.999         | 83.500         | 21.521      | PK   |
| 3  |      |      | 38790.000       | 72.332                 | 44.416               | -11.168         | 83.500         | 27.916      | PK   |
| 4  |      |      | 38790.560       | 59.594                 | 31.678               | -3.906          | 63.500         | 27.916      | AV   |

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: 2014/07/27 - 12:31 |
| Limit: FCC_Part15.209_RE(1m)                                                | Engineer: Roy Cheng      |
| Probe: BBHA9170_18-40GHz                                                    | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                                       | Power: AC 120V/60Hz      |
| <b>Note: There is the ambient noise within frequency range 18GHz~40GHz.</b> |                          |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 33212.889       | 49.517                 | 27.980               | -13.983         | 63.500         | 21.537      | AV   |
| 2  |      |      | 33213.000       | 62.169                 | 40.632               | -21.331         | 83.500         | 21.538      | PK   |
| 3  |      |      | 38118.567       | 58.968                 | 32.567               | -4.532          | 63.500         | 26.402      | AV   |
| 4  |      |      | 38119.000       | 71.963                 | 45.561               | -11.537         | 83.500         | 26.403      | PK   |

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       |
| <sup>1</sup> 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     | ( <sup>2</sup> ) |

#### **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                                     |

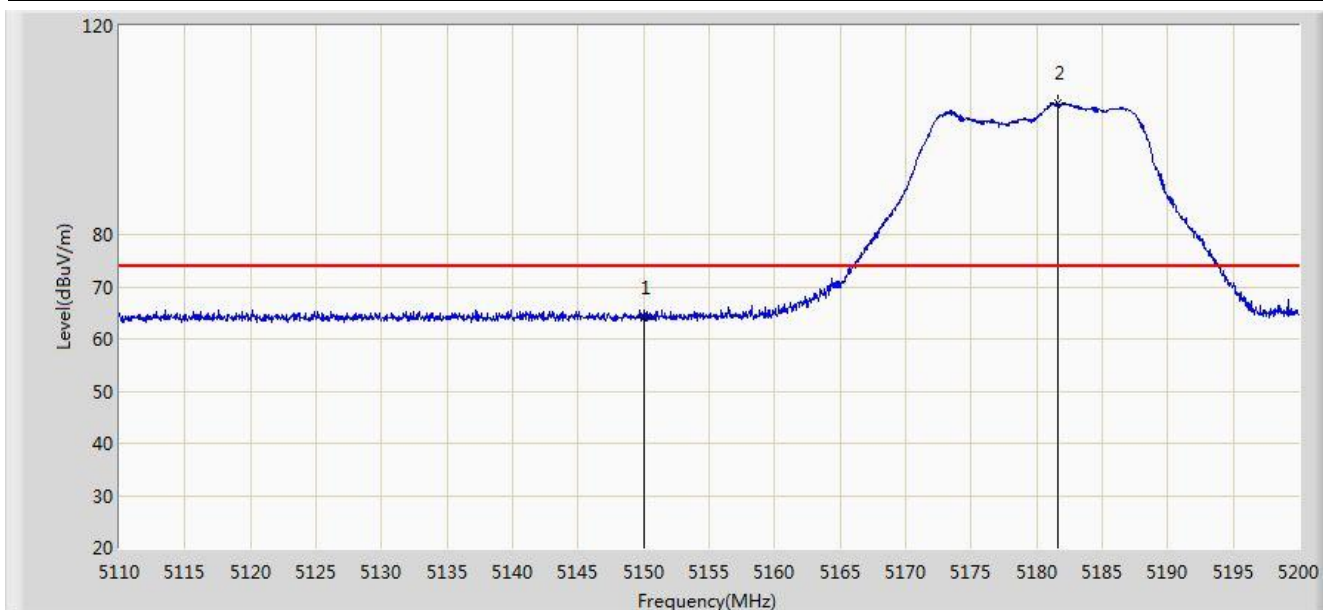
Note: Refer to KDB 789033 D02v01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the 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: 2015/02/11 - 15:02 |
| Limit: FCC_Part15.209_RE(3m)                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5180MHz by 802.11a Ant 0+1+2+3 |                          |

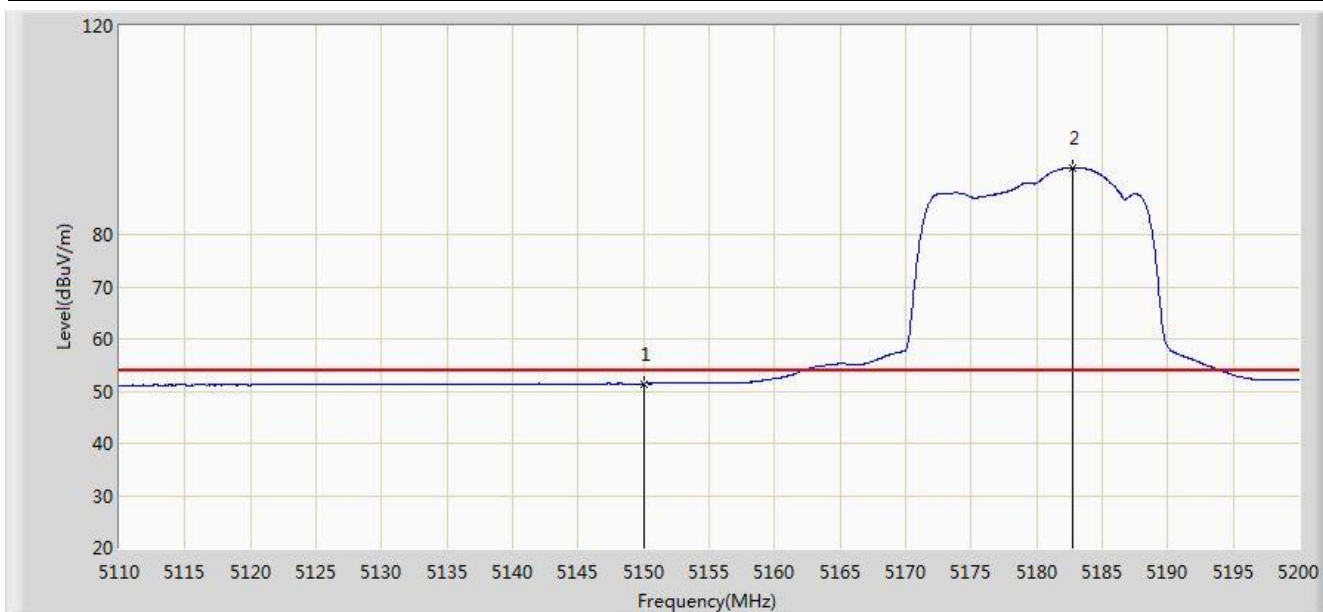


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5150.000        | 64.035                 | 26.583               | -9.965          | 74.000         | 37.452      | PK   |
| 2  |      | *    | 5181.640        | 105.104                | 67.734               | N/A             | N/A            | 37.370      | PK   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2015/02/11 - 15:07 |
| Limit: FCC_Part15.209_RE(3m)                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5180MHz by 802.11a Ant 0+1+2+3 |                          |

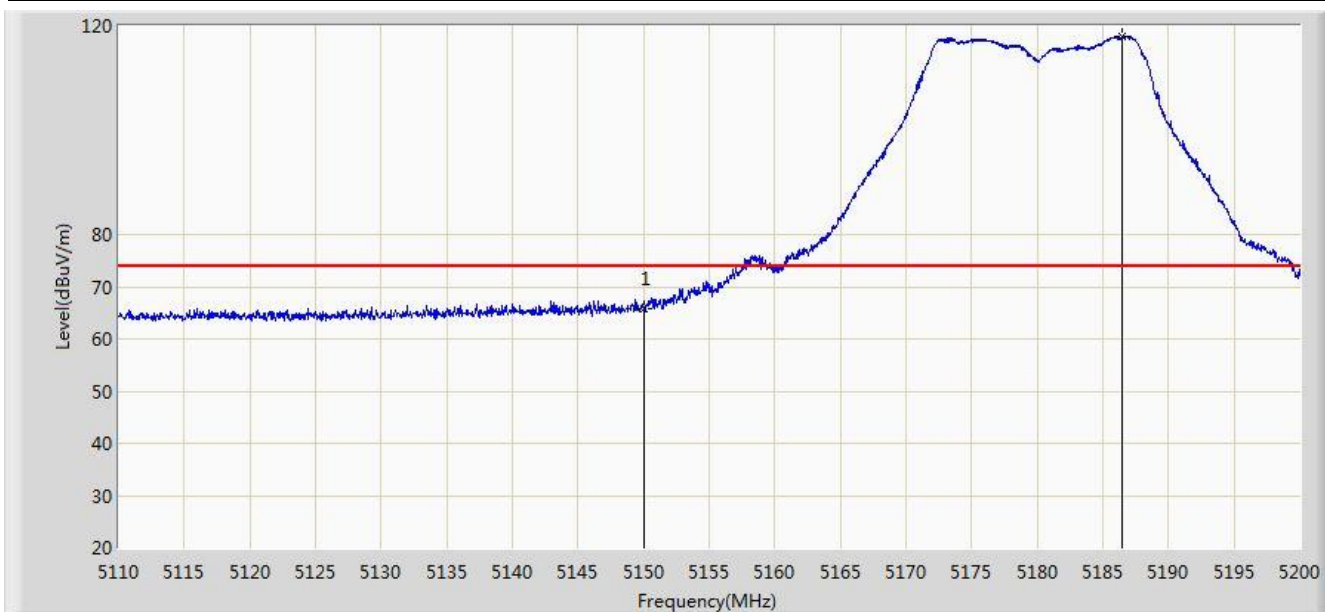


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5150.000        | 51.411                 | 13.959               | -2.589          | 54.000         | 37.452      | AV   |
| 2  |      | *    | 5182.720        | 92.775                 | 55.408               | N/A             | N/A            | 37.368      | AV   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2015/02/11 - 15:09 |
| Limit: FCC_Part15.209_RE(3m)                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5180MHz by 802.11a Ant 0+1+2+3 |                          |

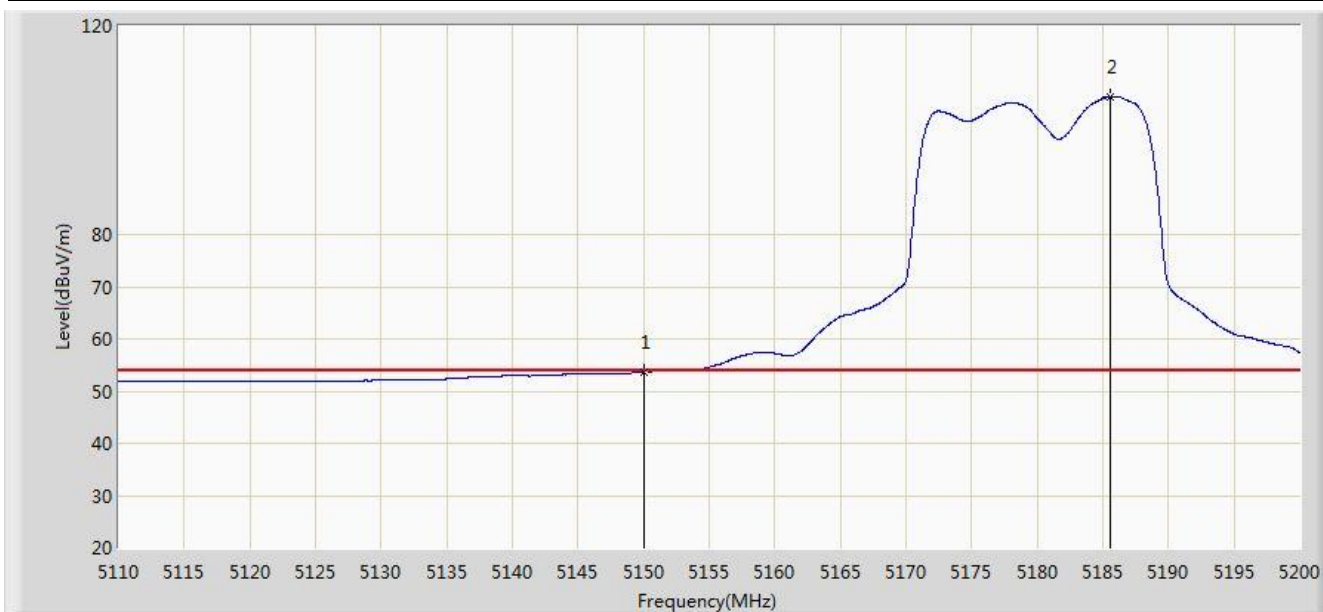


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5150.000        | 65.725                 | 28.273               | -8.275          | 74.000         | 37.452      | PK   |
| 2  |      | *    | 5186.455        | 118.101                | 80.743               | N/A             | N/A            | 37.358      | PK   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2015/02/11 - 15:10 |
| Limit: FCC_Part15.209_RE(3m)                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5180MHz by 802.11a Ant 0+1+2+3 |                          |

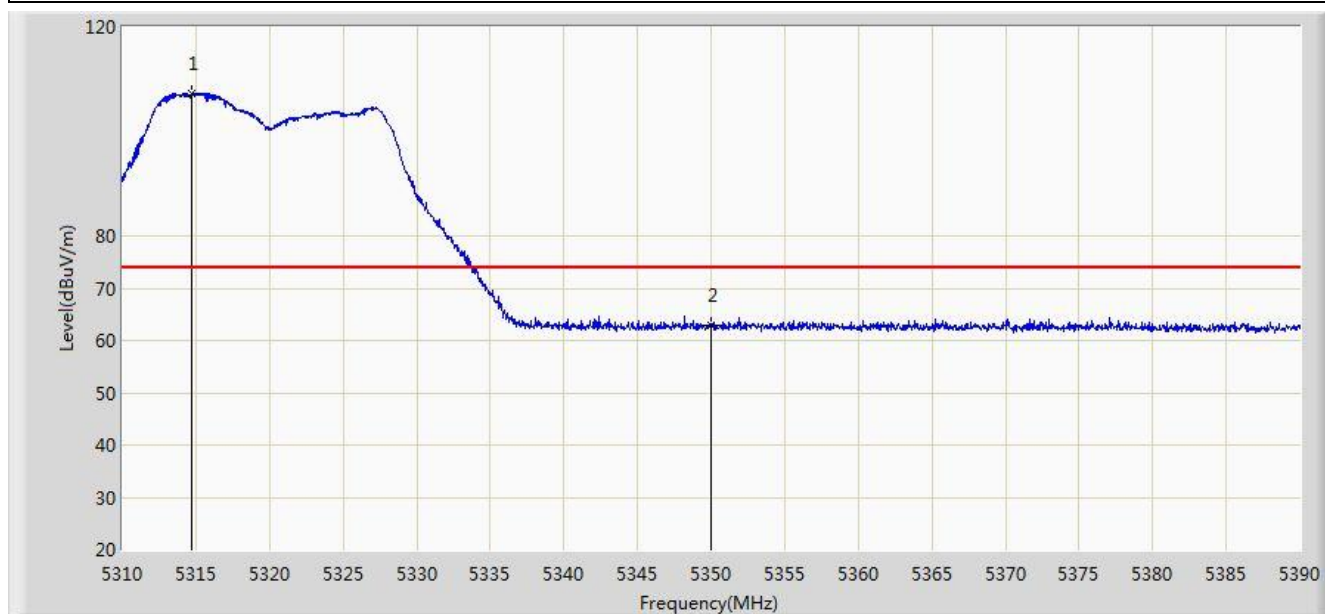


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5150.000        | 53.746                 | 16.294               | -0.254          | 54.000         | 37.452      | AV   |
| 2  |      | *    | 5185.555        | 106.352                | 68.992               | N/A             | N/A            | 37.360      | AV   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2014/07/15 - 19:39 |
| Limit: FCC_Part15.209_RE(3m)                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11a at channel 5320MHz Ant 0+1+2+3 |                          |

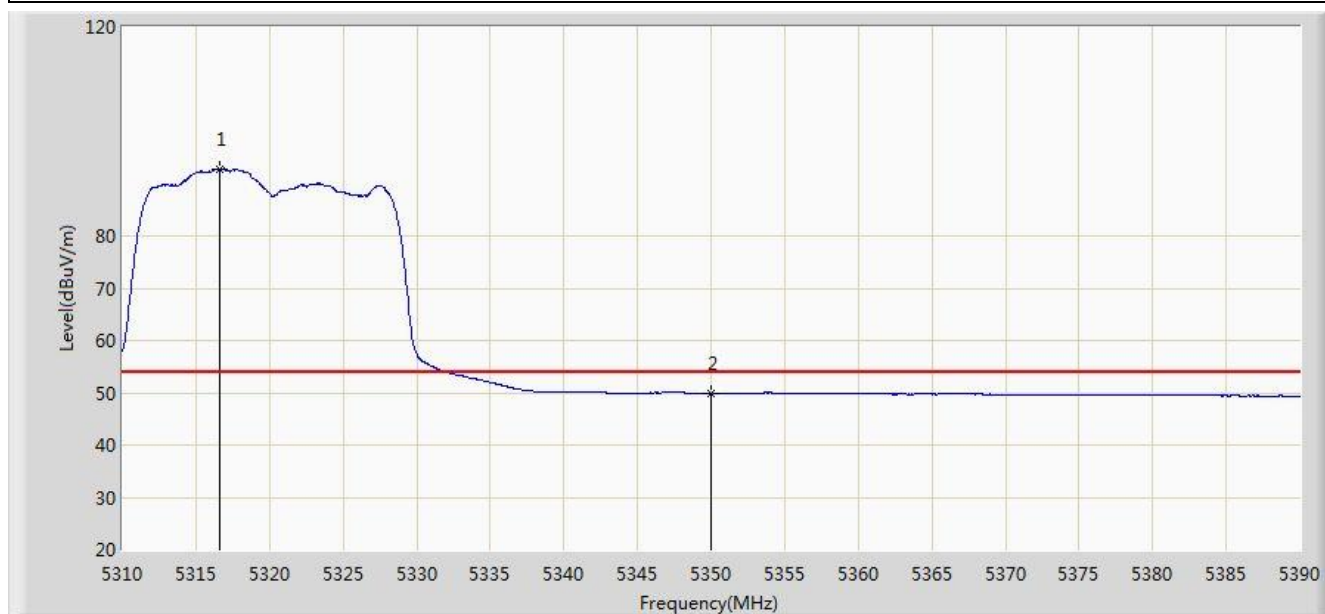


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5314.720        | 107.229                | 70.770               | N/A             | N/A            | 36.459      | PK   |
| 2  |      |      | 5350.000        | 62.807                 | 26.271               | -11.193         | 74.000         | 36.536      | PK   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2014/07/15 - 19:42 |
| Limit: FCC_Part15.209_RE(3m)                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11a at channel 5320MHz Ant 0+1+2+3 |                          |

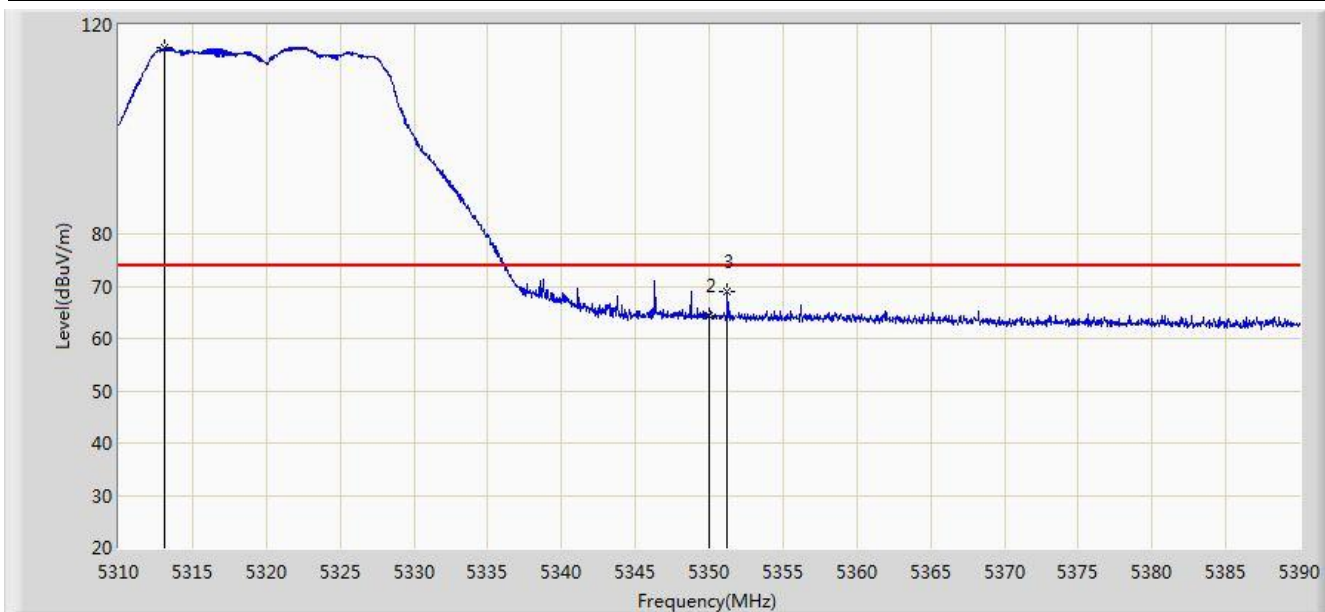


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5316.600        | 92.862                 | 56.398               | N/A             | N/A            | 36.464      | AV   |
| 2  |      |      | 5350.000        | 49.906                 | 13.370               | -4.094          | 54.000         | 36.536      | AV   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2014/07/15 - 19:44 |
| Limit: FCC_Part15.209_RE(3m)                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11a at channel 5320MHz Ant 0+1+2+3 |                          |

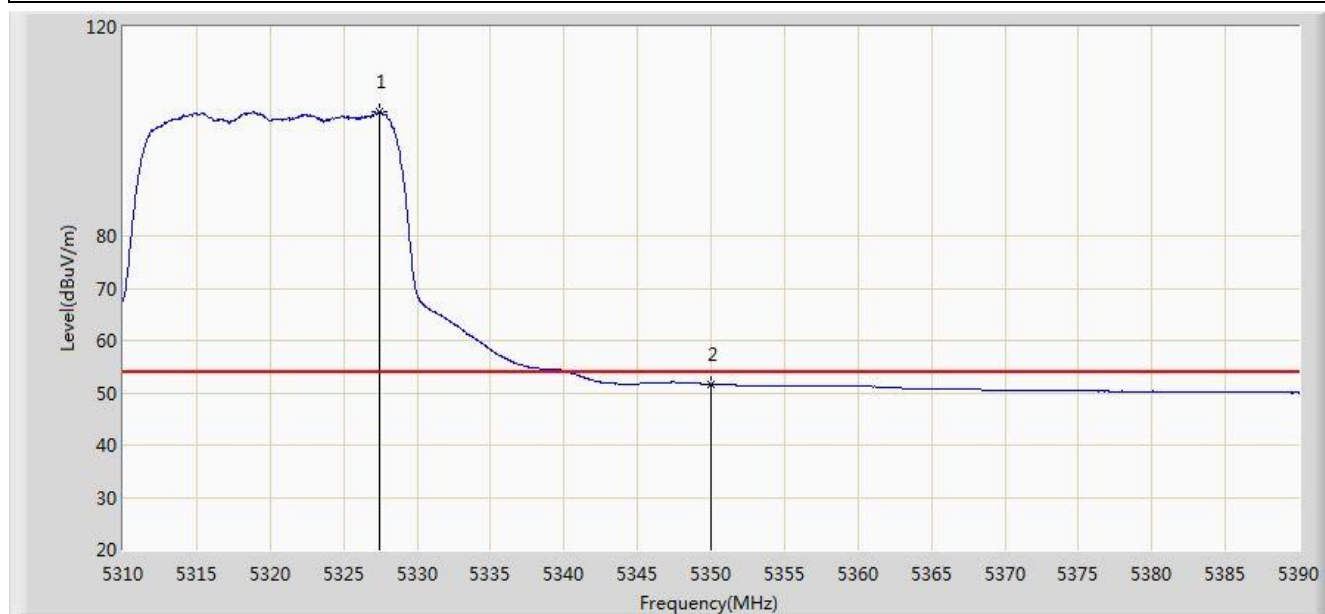


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5313.120        | 115.575                | 79.119               | N/A             | N/A            | 36.456      | PK   |
| 2  |      |      | 5350.000        | 64.432                 | 27.896               | -9.568          | 74.000         | 36.536      | PK   |
| 3  |      |      | 5351.240        | 68.933                 | 32.394               | -5.067          | 74.000         | 36.539      | PK   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2014/07/15 - 19:45 |
| Limit: FCC_Part15.209_RE(3m)                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11a at channel 5320MHz Ant 0+1+2+3 |                          |

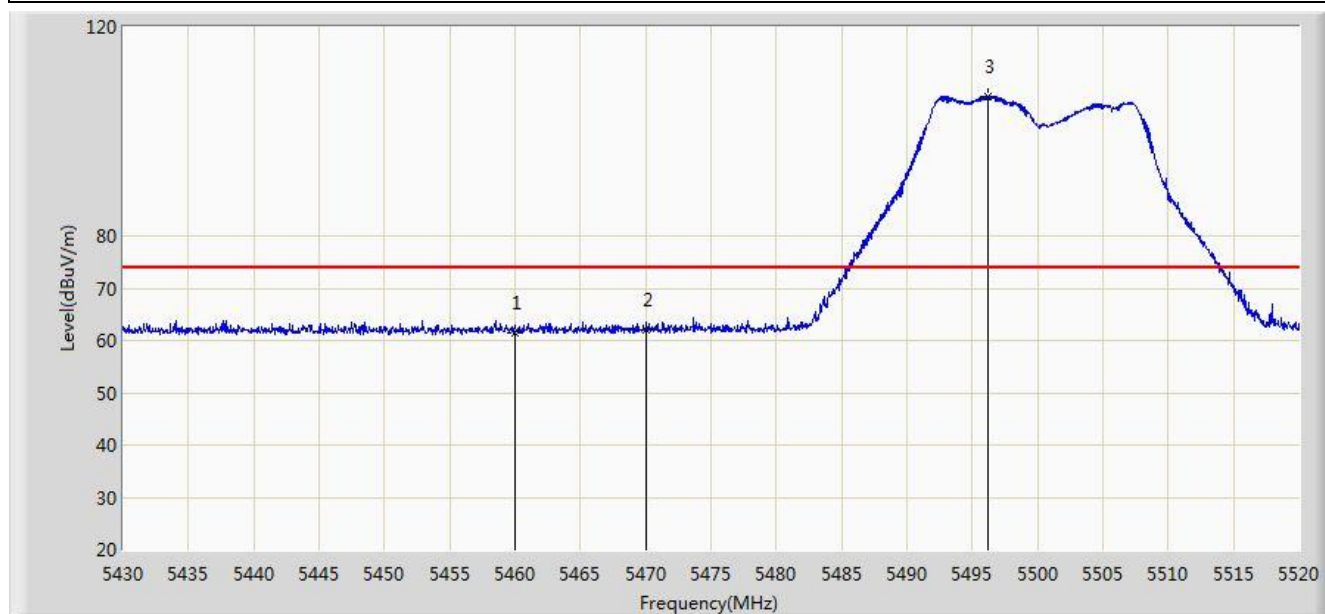


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5327.400        | 103.784                | 67.296               | N/A             | N/A            | 36.488      | AV   |
| 2  |      |      | 5350.000        | 51.674                 | 15.138               | -2.326          | 54.000         | 36.536      | AV   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2014/07/15 - 19:47 |
| Limit: FCC_Part15.209_RE(3m)                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11a at channel 5500MHz Ant 0+1+2+3 |                          |

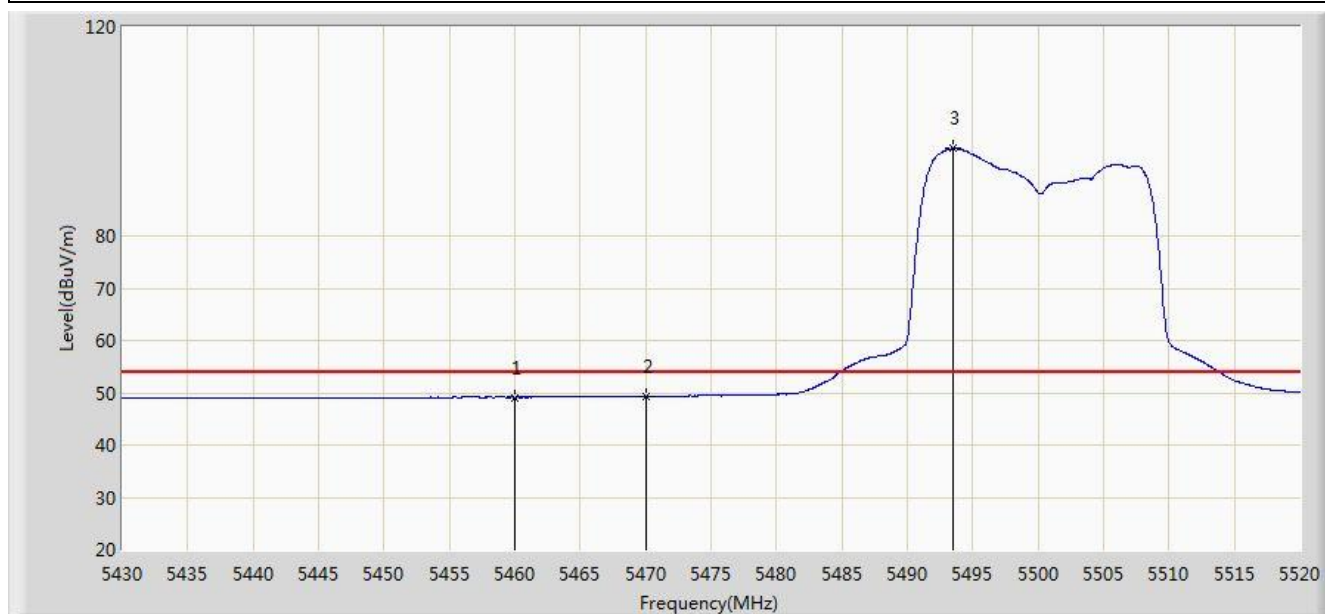


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5460.000        | 61.584                 | 24.774               | -12.416         | 74.000         | 36.810      | PK   |
| 2  |      |      | 5470.000        | 61.947                 | 25.122               | -12.053         | 74.000         | 36.825      | PK   |
| 3  |      | *    | 5496.150        | 106.802                | 69.935               | N/A             | N/A            | 36.868      | PK   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2014/07/15 - 19:49 |
| Limit: FCC_Part15.209_RE(3m)                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11a at channel 5500MHz Ant 0+1+2+3 |                          |

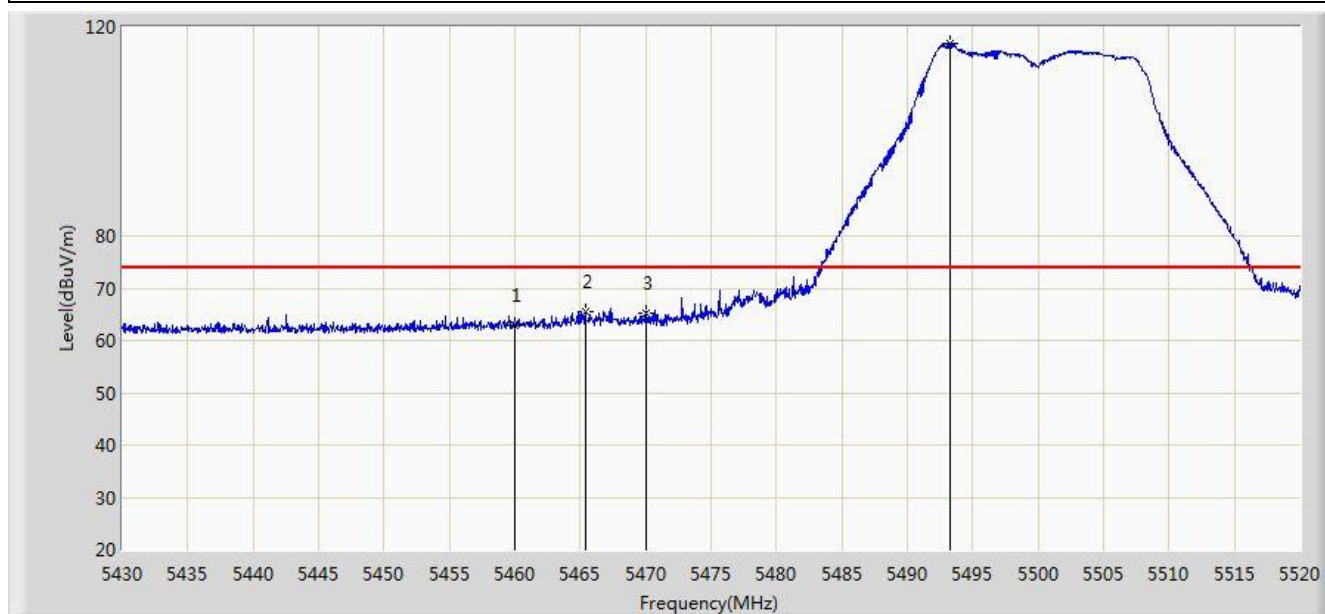


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5460.000        | 49.101                 | 12.291               | -4.899          | 54.000         | 36.810      | AV   |
| 2  |      |      | 5470.000        | 49.331                 | 12.506               | -4.669          | 54.000         | 36.825      | AV   |
| 3  |      | *    | 5493.495        | 96.756                 | 59.893               | N/A             | N/A            | 36.863      | AV   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2014/07/15 - 19:52 |
| Limit: FCC_Part15.209_RE(3m)                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11a at channel 5500MHz Ant 0+1+2+3 |                          |

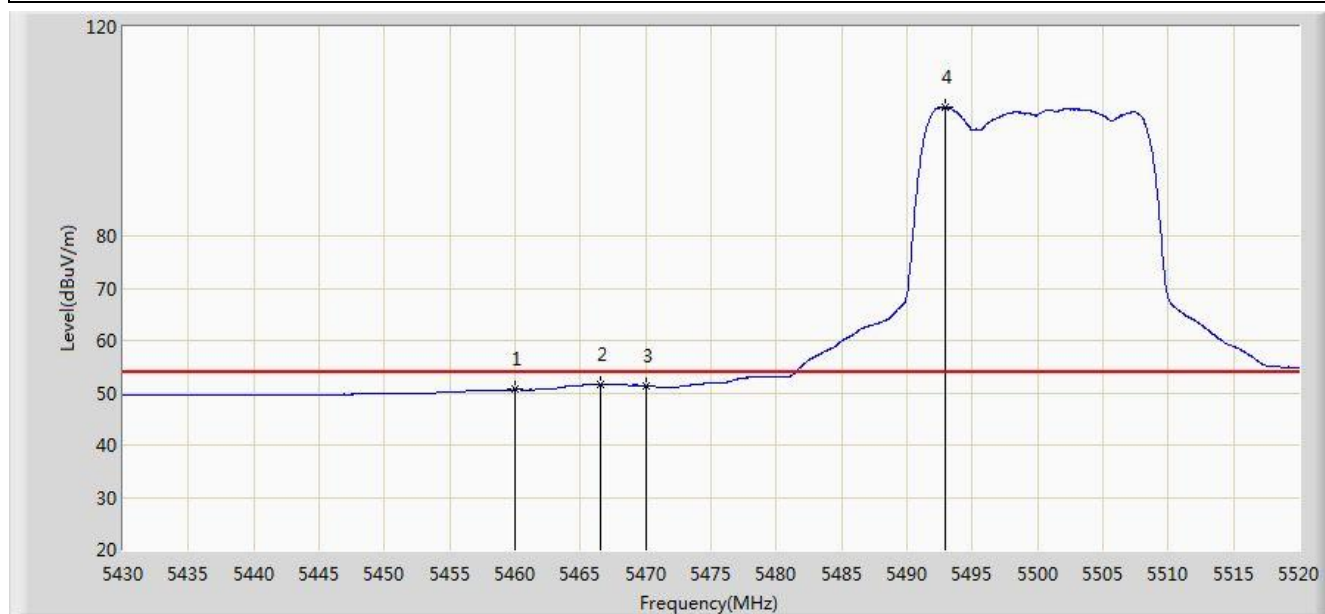


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5460.000        | 63.037                 | 26.227               | -10.963         | 74.000         | 36.810      | PK   |
| 2  |      |      | 5465.370        | 65.642                 | 28.824               | -8.358          | 74.000         | 36.817      | PK   |
| 3  |      |      | 5470.000        | 65.337                 | 28.512               | -8.663          | 74.000         | 36.825      | PK   |
| 4  |      | *    | 5493.225        | 116.741                | 79.879               | N/A             | N/A            | 36.862      | PK   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2014/07/15 - 19:53 |
| Limit: FCC_Part15.209_RE(3m)                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11a at channel 5500MHz Ant 0+1+2+3 |                          |

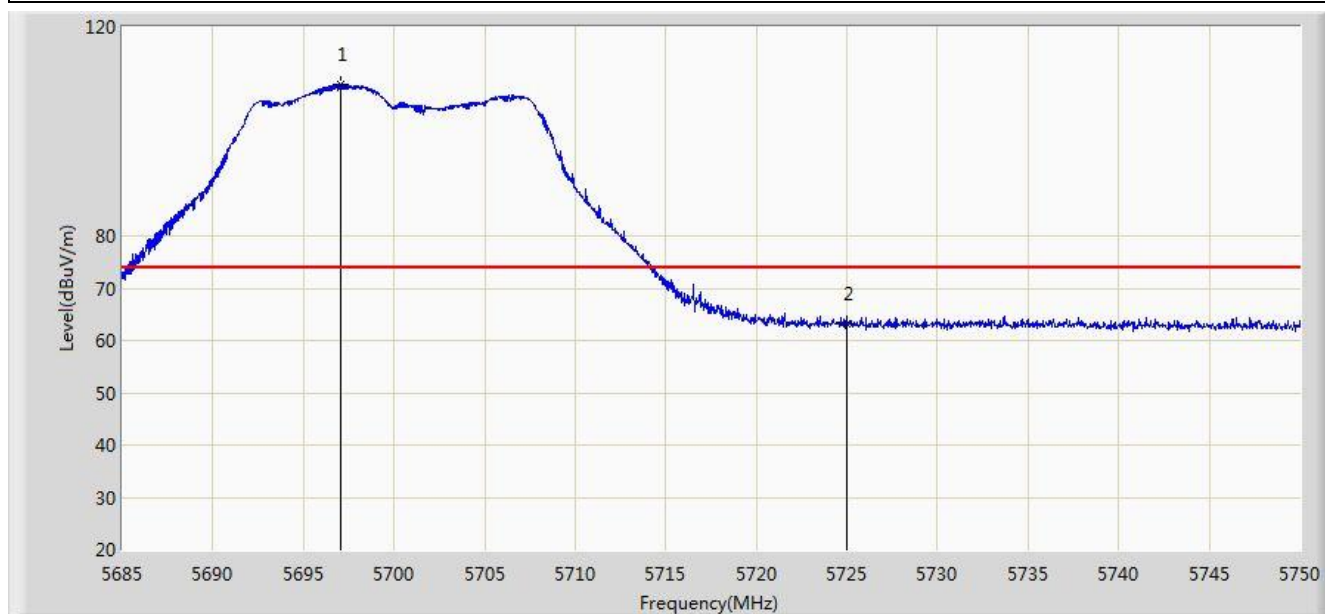


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5460.000        | 50.636                 | 13.826               | -3.364          | 54.000         | 36.810      | AV   |
| 2  |      |      | 5466.495        | 51.563                 | 14.744               | -2.437          | 54.000         | 36.820      | AV   |
| 3  |      |      | 5470.000        | 51.411                 | 14.586               | -2.589          | 54.000         | 36.825      | AV   |
| 4  |      | *    | 5492.955        | 104.567                | 67.705               | N/A             | N/A            | 36.861      | AV   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2014/07/15 - 19:55 |
| Limit: FCC_Part15.209_RE(3m)                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11a at channel 5700MHz Ant 0+1+2+3 |                          |

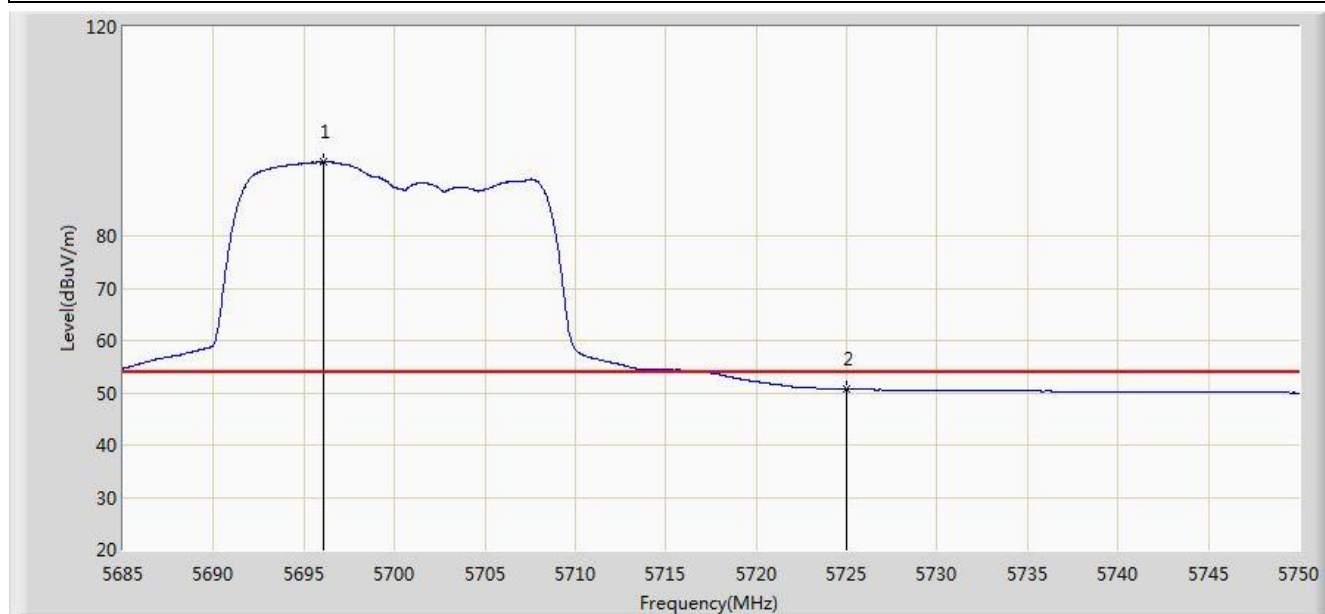


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5697.090        | 108.876                | 71.684               | N/A             | N/A            | 37.192      | PK   |
| 2  |      |      | 5725.000        | 63.162                 | 25.857               | -10.838         | 74.000         | 37.305      | PK   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2014/07/15 - 20:00 |
| Limit: FCC_Part15.209_RE(3m)                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11a at channel 5700MHz Ant 0+1+2+3 |                          |

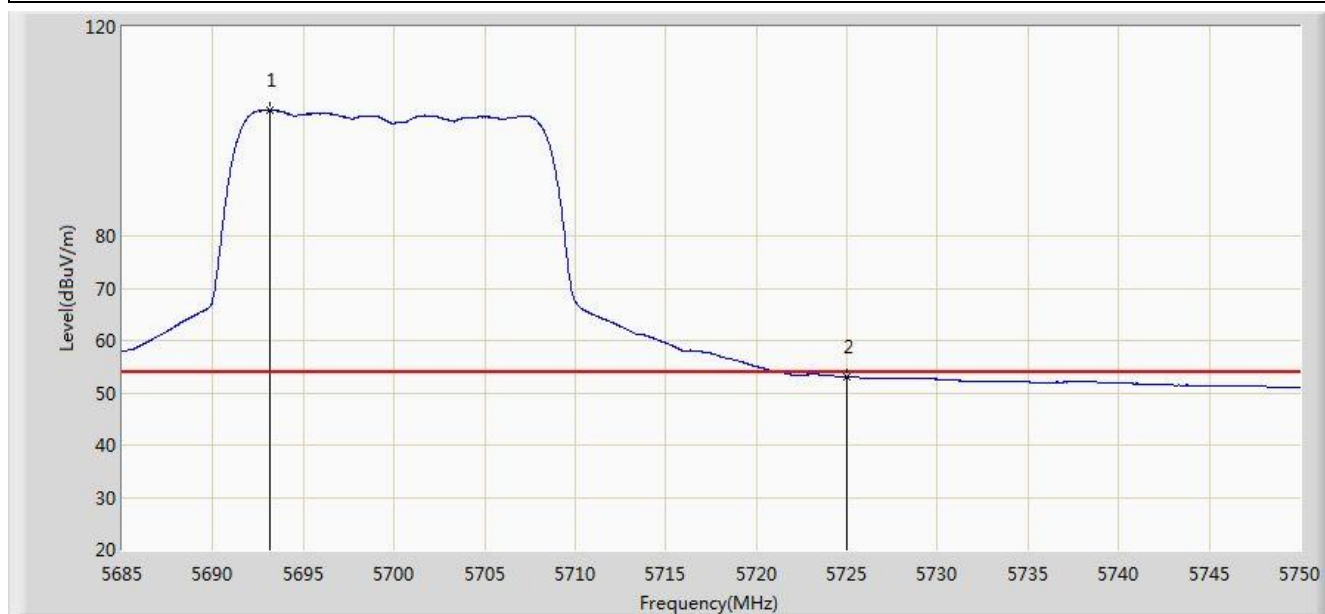


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5696.083        | 94.132                 | 56.943               | N/A             | N/A            | 37.189      | AV   |
| 2  |      |      | 5725.000        | 50.690                 | 13.385               | -3.310          | 54.000         | 37.305      | AV   |

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

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

|                                                                        |                          |
|------------------------------------------------------------------------|--------------------------|
| Site: AC1                                                              | Time: 2014/07/15 - 20:06 |
| Limit: FCC_Part15.209_RE(3m)                                           | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                               | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                                  | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11a at channel 5700MHz Ant 0+1+2+3 Power=13 |                          |

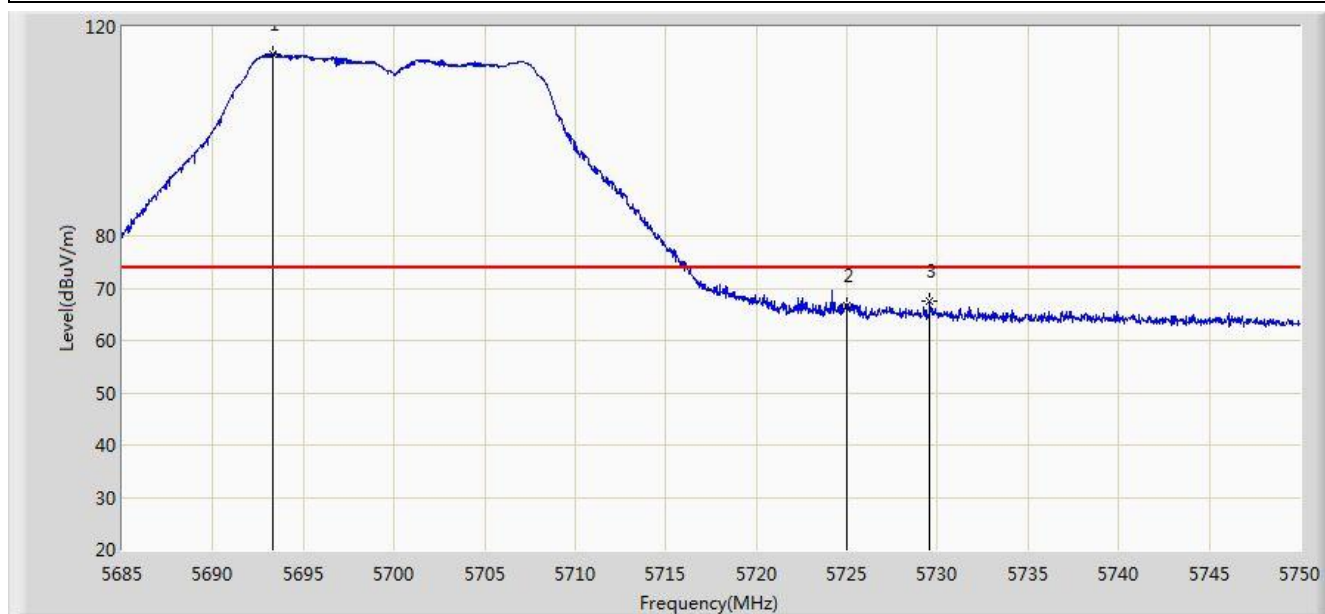


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5693.158        | 104.085                | 66.907               | N/A             | N/A            | 37.179      | AV   |
| 2  |      |      | 5725.000        | 53.024                 | 15.719               | -0.976          | 54.000         | 37.305      | AV   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2014/07/15 - 20:14 |
| Limit: FCC_Part15.209_RE(3m)                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11a at channel 5700MHz Ant 0+1+2+3 |                          |

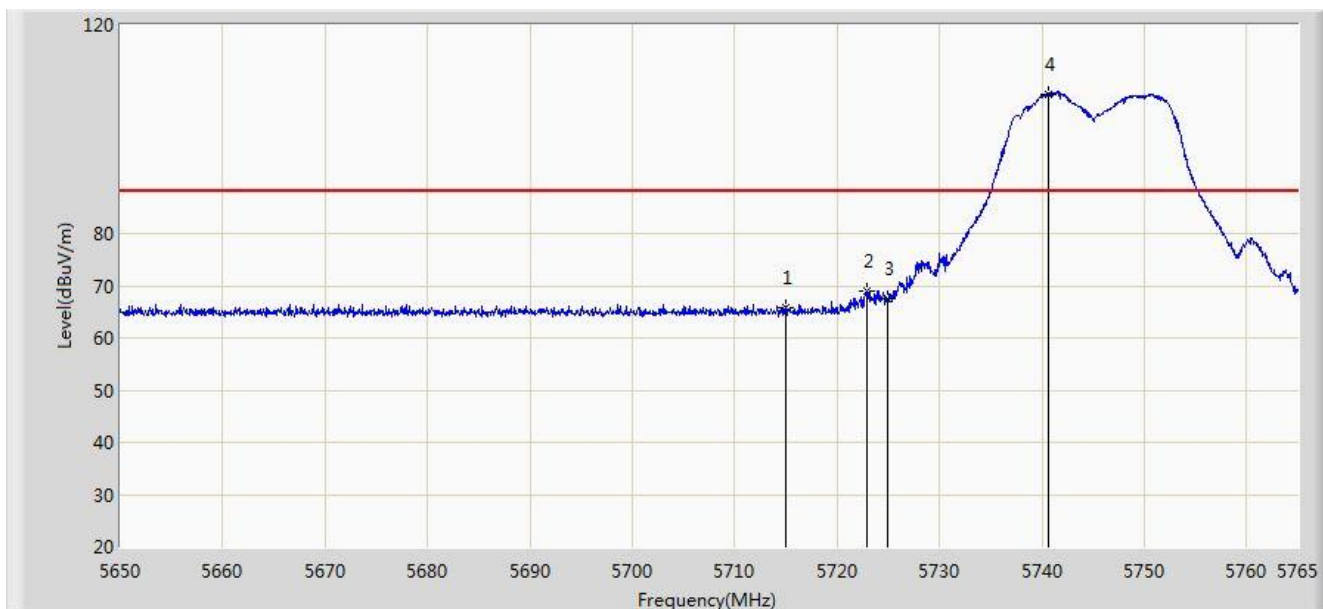


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5693.320        | 114.877                | 77.698               | N/A             | N/A            | 37.179      | PK   |
| 2  |      |      | 5725.000        | 66.693                 | 29.388               | -7.307          | 74.000         | 37.305      | PK   |
| 3  |      |      | 5729.590        | 67.564                 | 30.241               | -6.436          | 74.000         | 37.324      | PK   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2015/02/11 - 15:15 |
| Limit: FCC 15.407                                             | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5745MHz by 802.11a Ant 0+1+2+3 |                          |

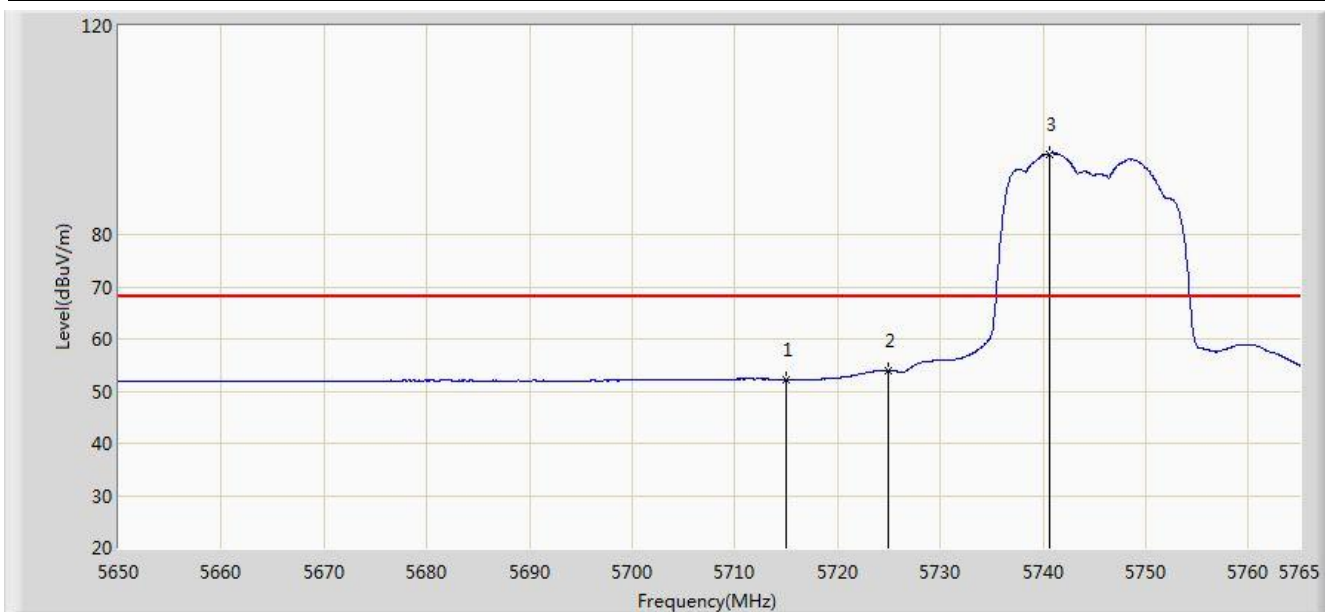


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5715.000        | 65.748                 | 27.799               | -22.452         | 88.200         | 37.949      | PK   |
| 2  |      |      | 5722.910        | 69.106                 | 31.125               | -29.094         | 98.200         | 37.981      | PK   |
| 3  |      |      | 5725.000        | 67.495                 | 29.505               | -30.705         | 98.200         | 37.990      | PK   |
| 4  |      | *    | 5740.620        | 106.804                | 68.751               | N/A             | N/A            | 38.053      | PK   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2015/02/11 - 15:18 |
| Limit: FCC 15.407                                             | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5745MHz by 802.11a Ant 0+1+2+3 |                          |

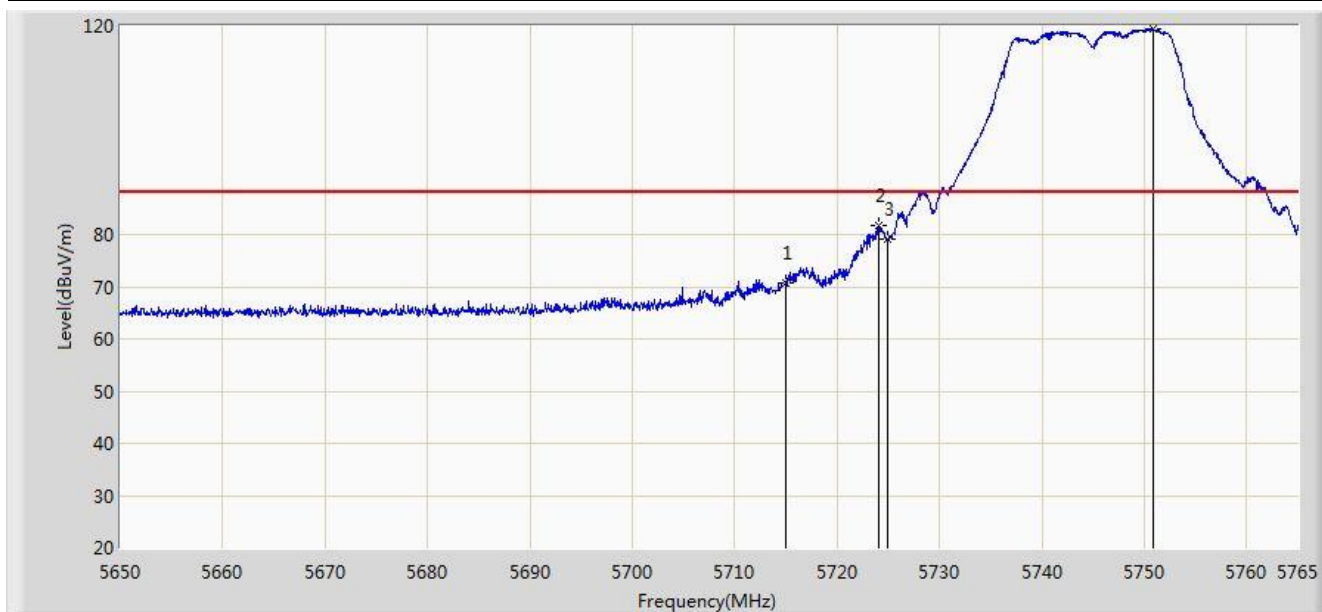


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5715.000        | 52.189                 | 14.240               | -16.011         | 68.200         | 37.949      | AV   |
| 2  |      |      | 5725.000        | 53.979                 | 15.989               | -24.221         | 78.200         | 37.990      | AV   |
| 3  |      | *    | 5740.620        | 95.501                 | 57.448               | N/A             | N/A            | 38.053      | AV   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2015/02/11 - 15:19 |
| Limit: FCC 15.407                                             | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5745MHz by 802.11a Ant 0+1+2+3 |                          |

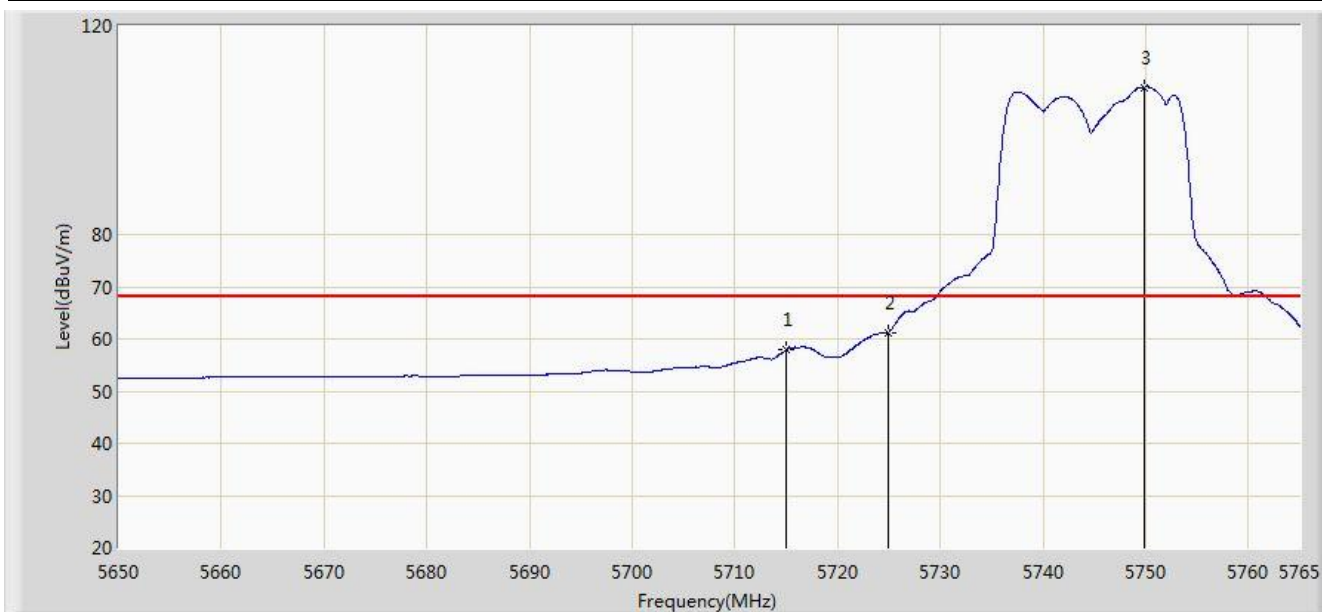


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5715.000        | 70.626                 | 32.677               | -17.574         | 88.200         | 37.949      | PK   |
| 2  |      |      | 5724.002        | 81.738                 | 43.752               | -16.462         | 98.200         | 37.986      | PK   |
| 3  |      |      | 5725.000        | 79.253                 | 41.263               | -18.947         | 98.200         | 37.990      | PK   |
| 4  |      | *    | 5750.855        | 119.322                | 81.222               | N/A             | N/A            | 38.100      | PK   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2015/02/11 - 15:21 |
| Limit: FCC 15.407                                             | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5745MHz by 802.11a Ant 0+1+2+3 |                          |

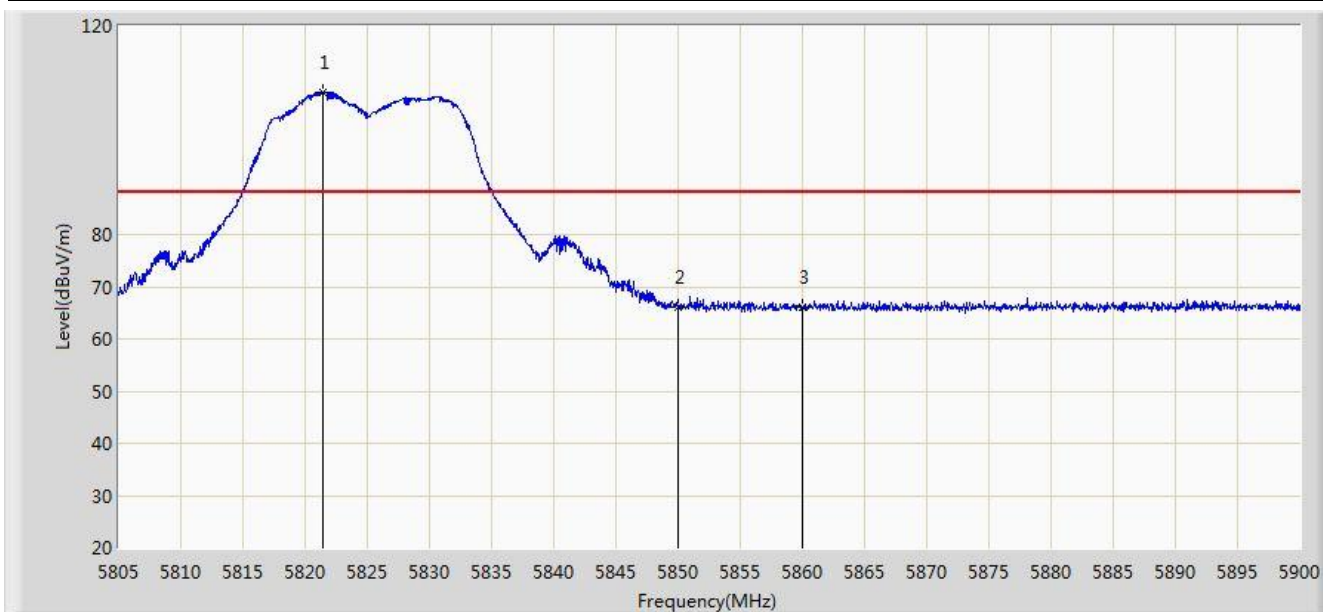


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5715.000        | 57.880                 | 19.931               | -10.320         | 68.200         | 37.949      | AV   |
| 2  |      |      | 5725.000        | 61.217                 | 23.227               | -16.983         | 78.200         | 37.990      | AV   |
| 3  |      | *    | 5749.935        | 108.244                | 70.149               | N/A             | N/A            | 38.095      | AV   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2015/02/11 - 15:29 |
| Limit: FCC 15.407                                             | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5825MHz by 802.11a Ant 0+1+2+3 |                          |

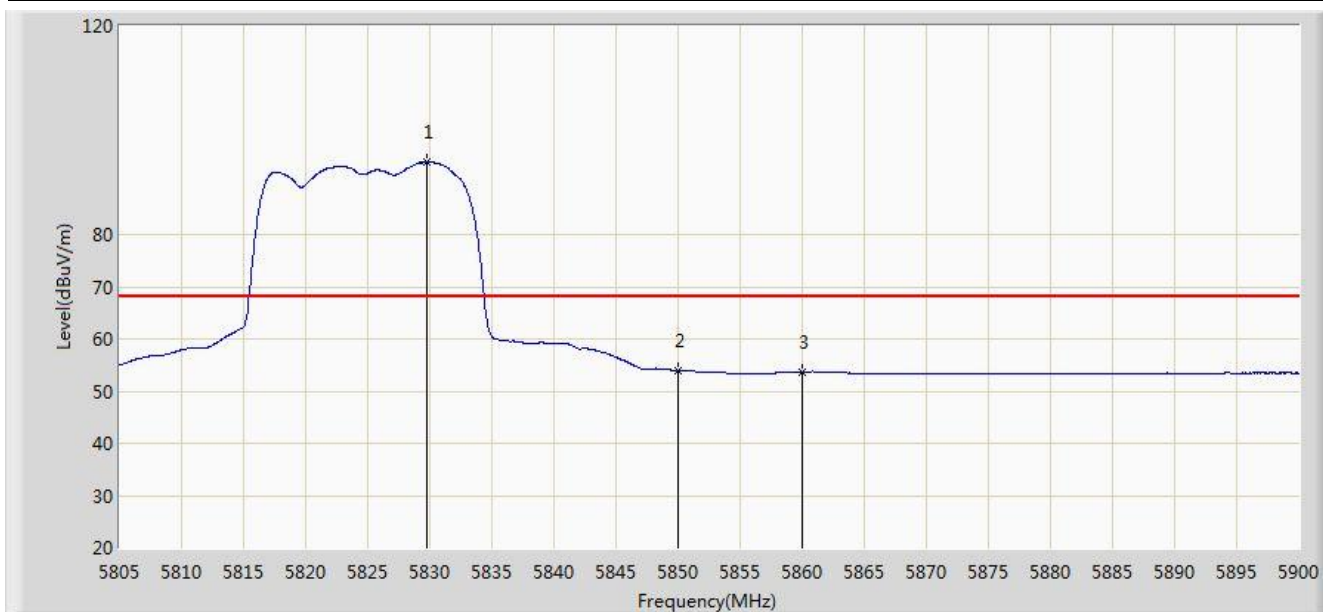


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5821.482        | 107.290                | 68.949               | N/A             | N/A            | 38.341      | PK   |
| 2  |      |      | 5850.000        | 66.025                 | 27.572               | -32.175         | 98.200         | 38.454      | PK   |
| 3  |      |      | 5860.000        | 66.032                 | 27.554               | -22.168         | 88.200         | 38.478      | PK   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2015/02/11 - 15:31 |
| Limit: FCC 15.407                                             | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5825MHz by 802.11a Ant 0+1+2+3 |                          |

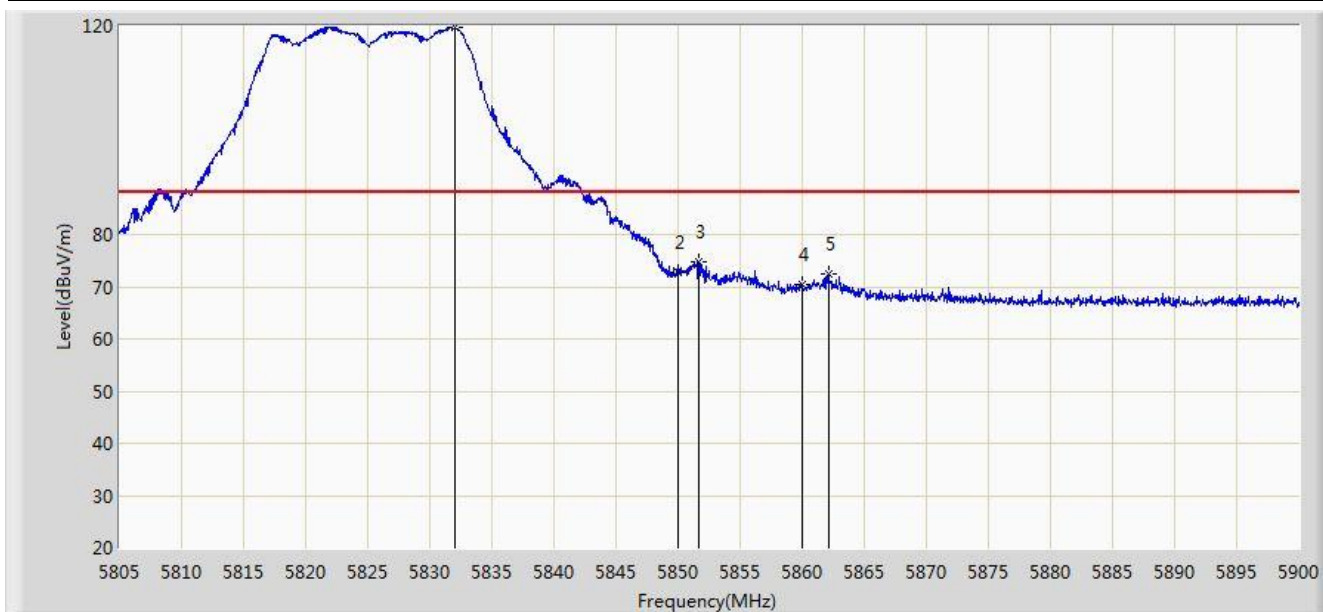


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5829.748        | 93.834                 | 55.458               | N/A             | N/A            | 38.376      | AV   |
| 2  |      |      | 5850.000        | 53.972                 | 15.519               | -24.228         | 78.200         | 38.454      | AV   |
| 3  |      |      | 5860.000        | 53.706                 | 15.228               | -14.494         | 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: 2015/02/11 - 15:32 |
| Limit: FCC 15.407                                             | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5825MHz by 802.11a Ant 0+1+2+3 |                          |

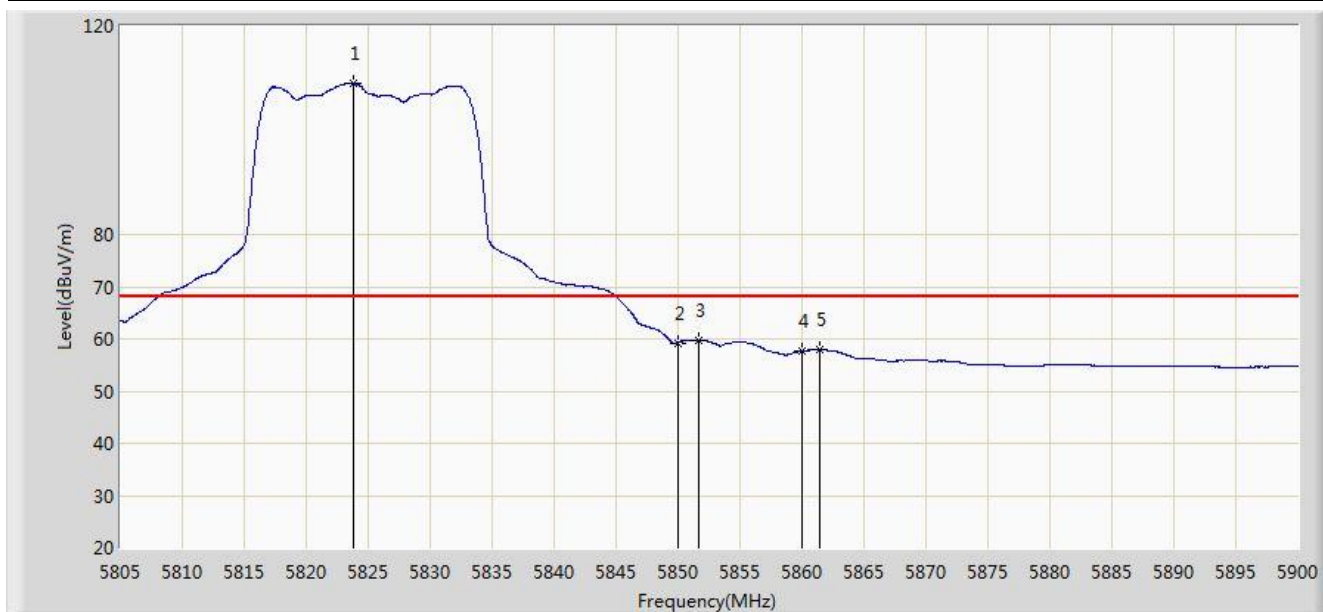


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5831.980        | 119.658                | 81.273               | N/A             | N/A            | 38.386      | PK   |
| 2  |      |      | 5850.000        | 72.725                 | 34.272               | -25.475         | 98.200         | 38.454      | PK   |
| 3  |      |      | 5851.692        | 74.805                 | 36.348               | -23.395         | 98.200         | 38.458      | PK   |
| 4  |      |      | 5860.000        | 70.313                 | 31.835               | -17.887         | 88.200         | 38.478      | PK   |
| 5  |      |      | 5862.143        | 72.588                 | 34.105               | -15.612         | 88.200         | 38.483      | PK   |

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

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

|                                                               |                          |
|---------------------------------------------------------------|--------------------------|
| Site: AC1                                                     | Time: 2015/02/11 - 15:33 |
| Limit: FCC 15.407                                             | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                      | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                         | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5825MHz by 802.11a Ant 0+1+2+3 |                          |

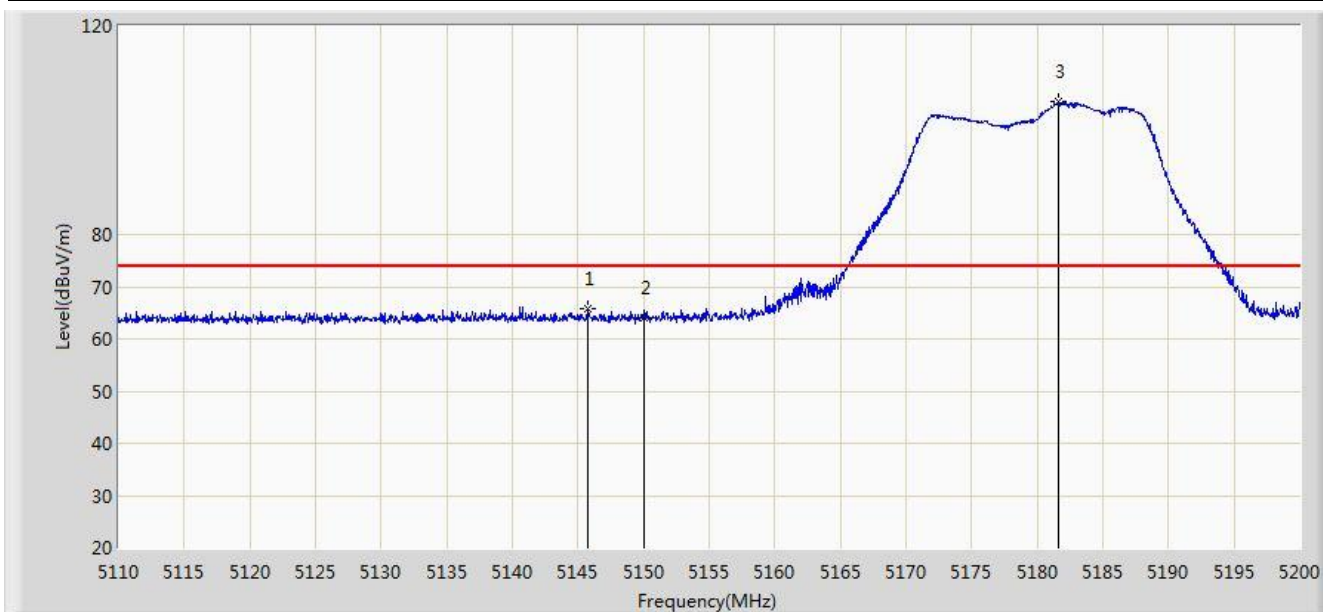


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5823.857        | 109.025                | 70.674               | N/A             | N/A            | 38.351      | AV   |
| 2  |      |      | 5850.000        | 59.251                 | 20.798               | -18.949         | 78.200         | 38.454      | AV   |
| 3  |      |      | 5851.645        | 59.777                 | 21.320               | -18.423         | 78.200         | 38.458      | AV   |
| 4  |      |      | 5860.000        | 57.691                 | 19.213               | -10.509         | 68.200         | 38.478      | AV   |
| 5  |      |      | 5861.382        | 57.982                 | 19.501               | -10.218         | 68.200         | 38.482      | AV   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2015/02/11 - 15:37 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5180MHz by 802.11n-HT20 Ant 0+1+2+3 |                          |

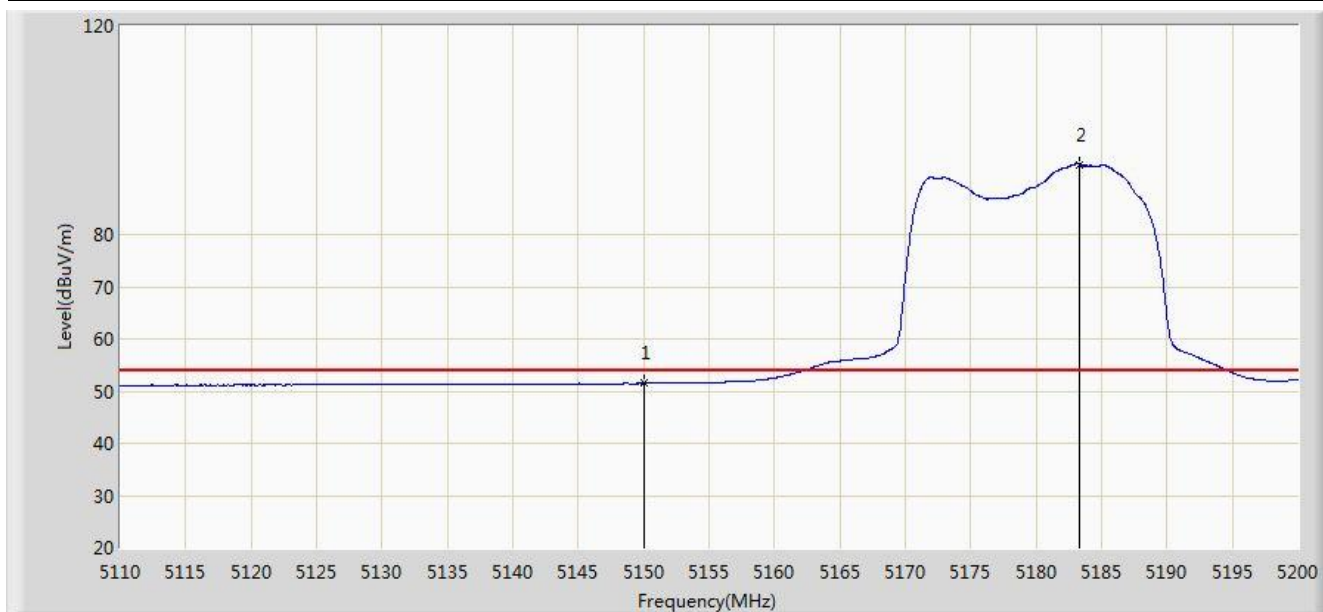


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5145.730        | 65.810                 | 28.352               | -8.190          | 74.000         | 37.458      | PK   |
| 2  |      |      | 5150.000        | 64.007                 | 26.555               | -9.993          | 74.000         | 37.452      | PK   |
| 3  |      | *    | 5181.640        | 105.409                | 68.039               | 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: 2015/02/11 - 15:39 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5180MHz by 802.11n-HT20 Ant 0+1+2+3 |                          |

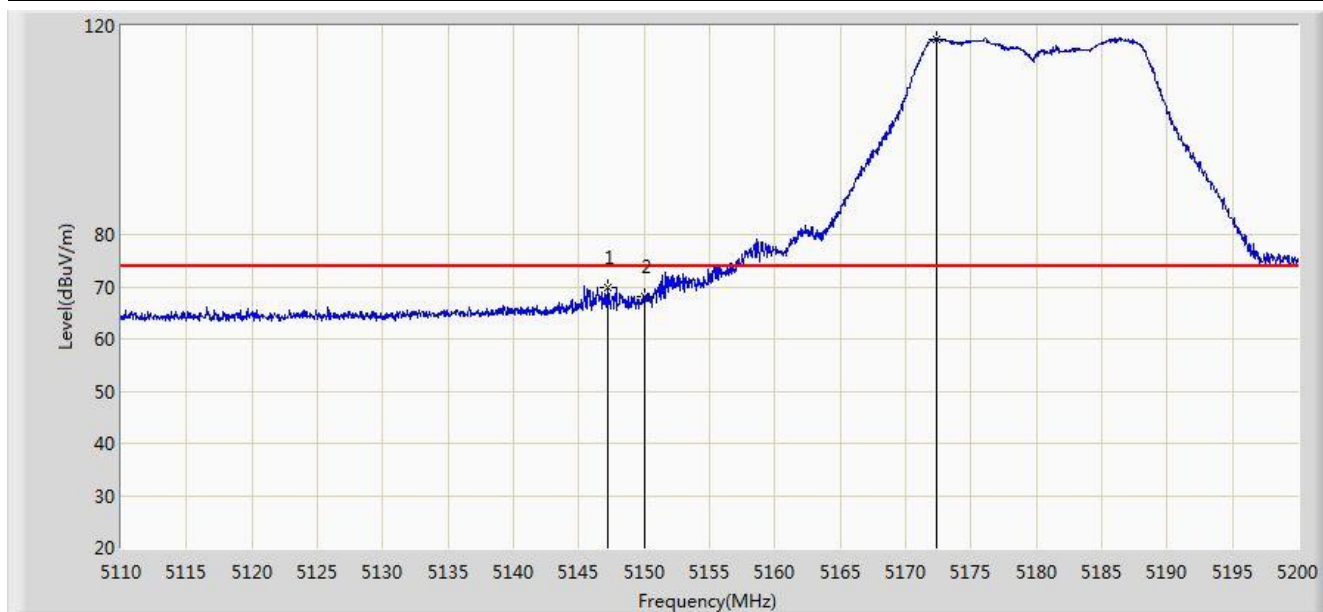


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5150.000        | 51.488                 | 14.036               | -2.512          | 54.000         | 37.452      | AV   |
| 2  |      | *    | 5183.305        | 93.466                 | 56.100               | N/A             | N/A            | 37.366      | AV   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2015/02/11 - 15:40 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5180MHz by 802.11n-HT20 Ant 0+1+2+3 |                          |

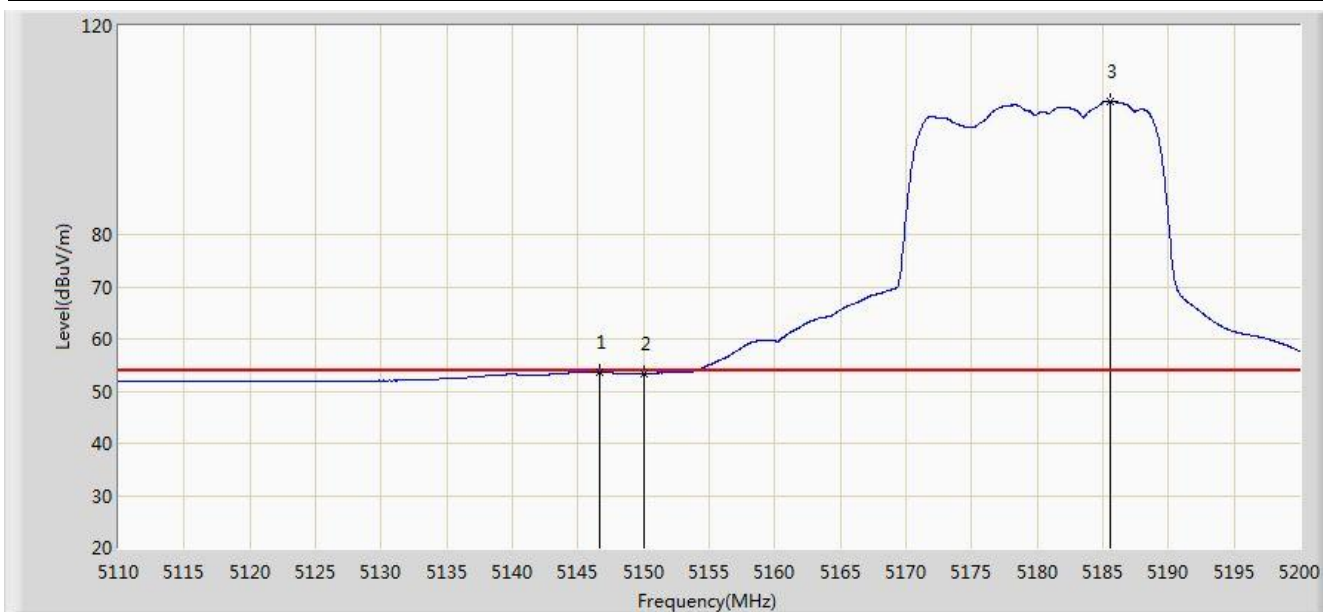


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5147.170        | 69.980                 | 32.524               | -4.020          | 74.000         | 37.456      | PK   |
| 2  |      |      | 5150.000        | 68.024                 | 30.572               | -5.976          | 74.000         | 37.452      | PK   |
| 3  |      | *    | 5172.370        | 117.533                | 80.142               | N/A             | N/A            | 37.391      | PK   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2015/02/11 - 15:42 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5180MHz by 802.11n-HT20 Ant 0+1+2+3 |                          |

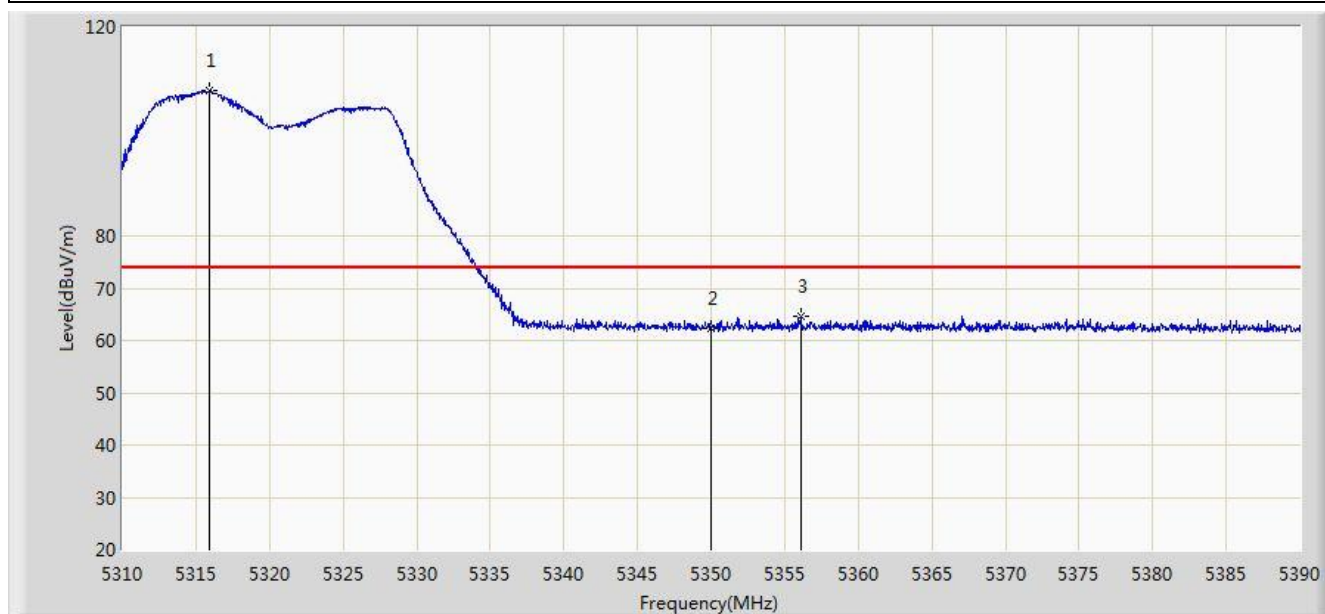


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5146.630        | 53.716                 | 16.259               | -0.284          | 54.000         | 37.457      | AV   |
| 2  |      |      | 5150.000        | 53.313                 | 15.861               | -0.687          | 54.000         | 37.452      | AV   |
| 3  |      | *    | 5185.555        | 105.516                | 68.156               | N/A             | N/A            | 37.360      | AV   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2014/07/15 - 20:27 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz Ant 0+1+2+3 |                          |

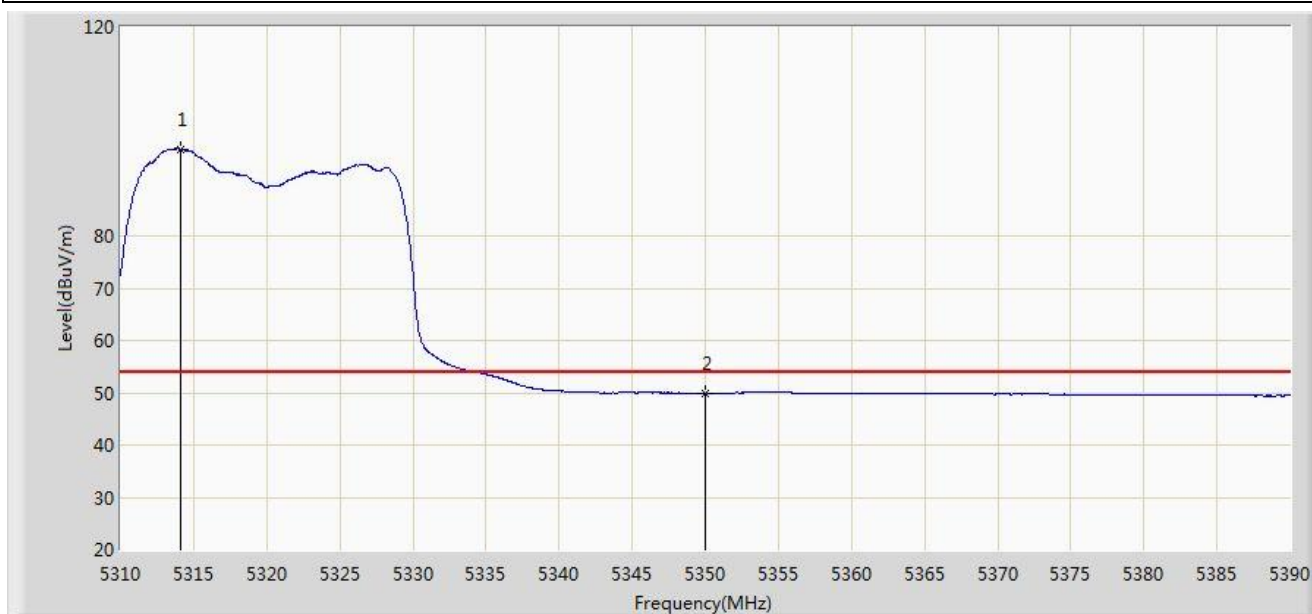


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5315.920        | 107.754                | 71.292               | N/A             | N/A            | 36.462      | PK   |
| 2  |      |      | 5350.000        | 62.299                 | 25.763               | -11.701         | 74.000         | 36.536      | PK   |
| 3  |      |      | 5356.120        | 64.528                 | 27.978               | -9.472          | 74.000         | 36.550      | PK   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2014/07/15 - 20:29 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz Ant 0+1+2+3 |                          |

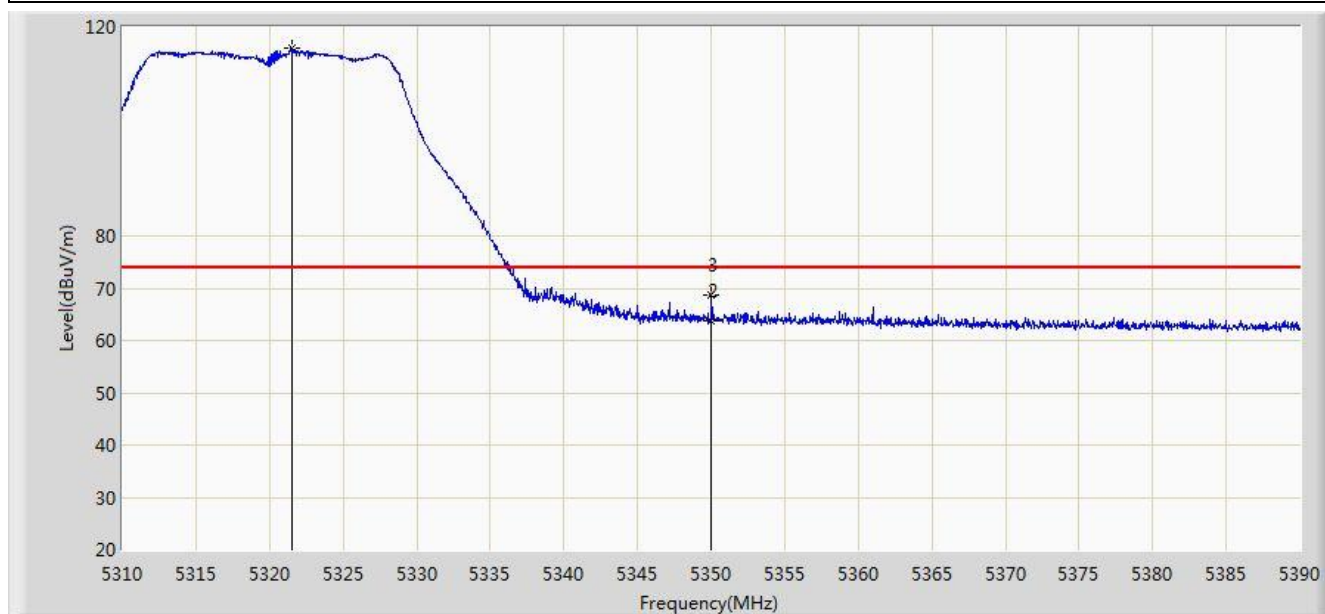


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5314.080        | 96.580                 | 60.122               | N/A             | N/A            | 36.458      | AV   |
| 2  |      |      | 5350.000        | 49.910                 | 13.374               | -4.090          | 54.000         | 36.536      | AV   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2014/07/15 - 20:32 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz Ant 0+1+2+3 |                          |

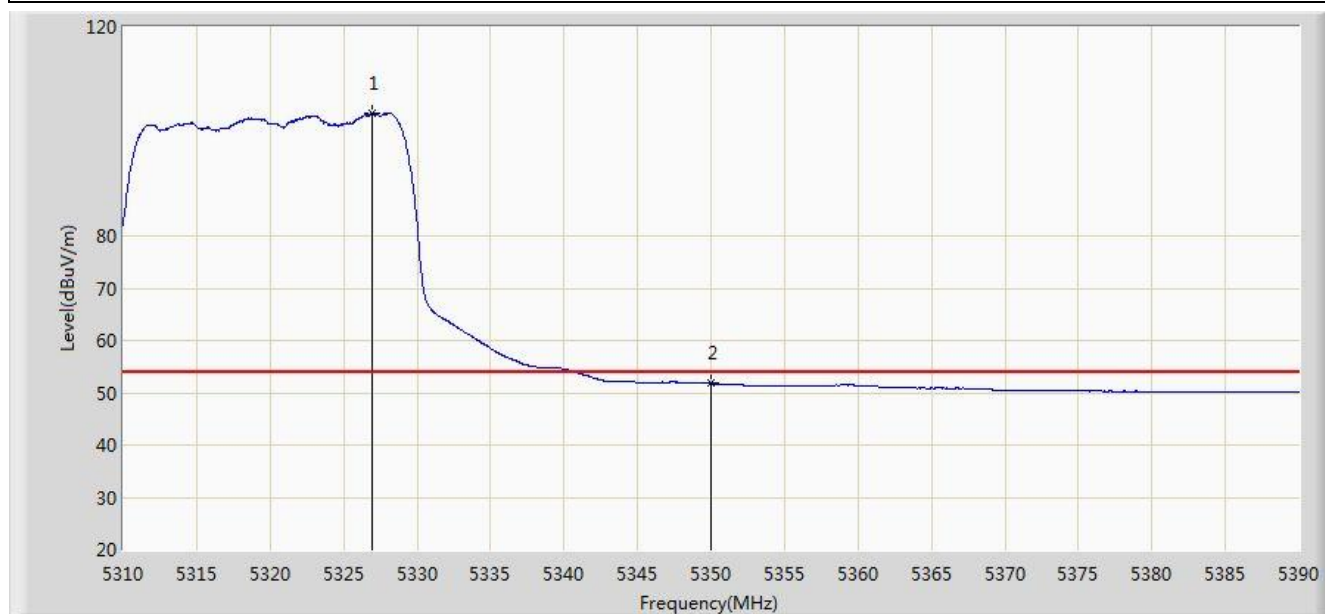


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5321.560        | 115.842                | 79.367               | N/A             | N/A            | 36.475      | PK   |
| 2  |      |      | 5350.000        | 63.677                 | 27.141               | -10.323         | 74.000         | 36.536      | PK   |
| 3  |      |      | 5350.040        | 68.667                 | 32.131               | -5.333          | 74.000         | 36.536      | PK   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2014/07/15 - 20:34 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz Ant 0+1+2+3 |                          |

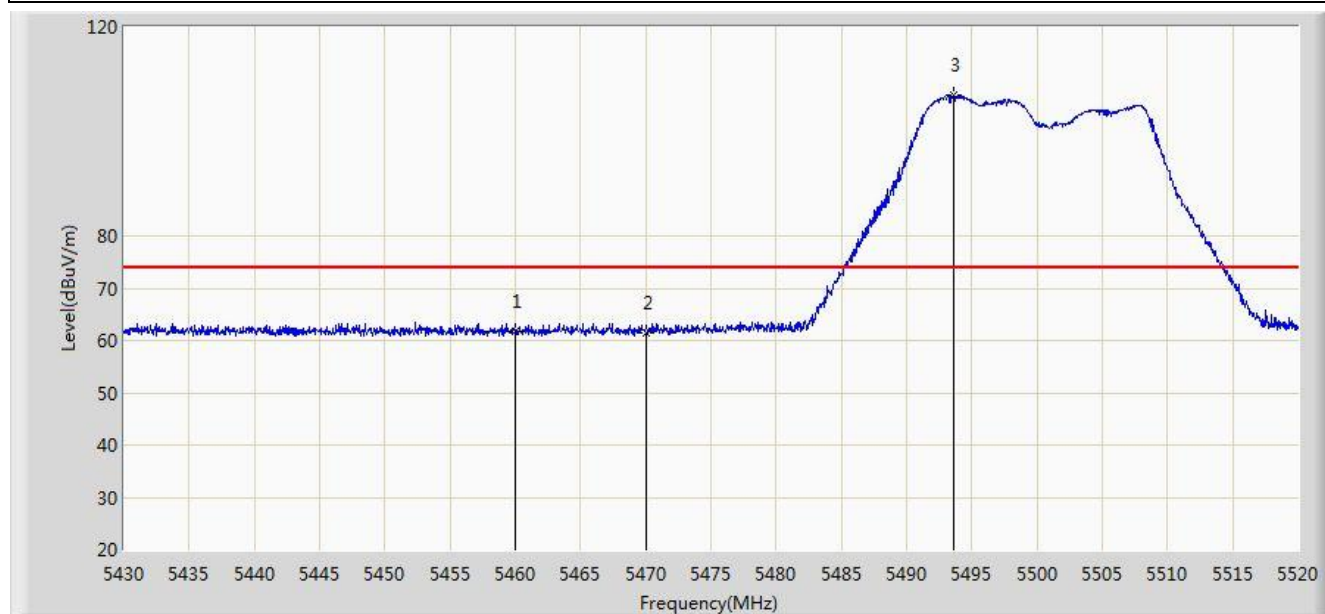


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5326.920        | 103.437                | 66.950               | N/A             | N/A            | 36.487      | AV   |
| 2  |      |      | 5350.000        | 51.755                 | 15.219               | -2.245          | 54.000         | 36.536      | AV   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2014/07/15 - 20:35 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz Ant 0+1+2+3 |                          |

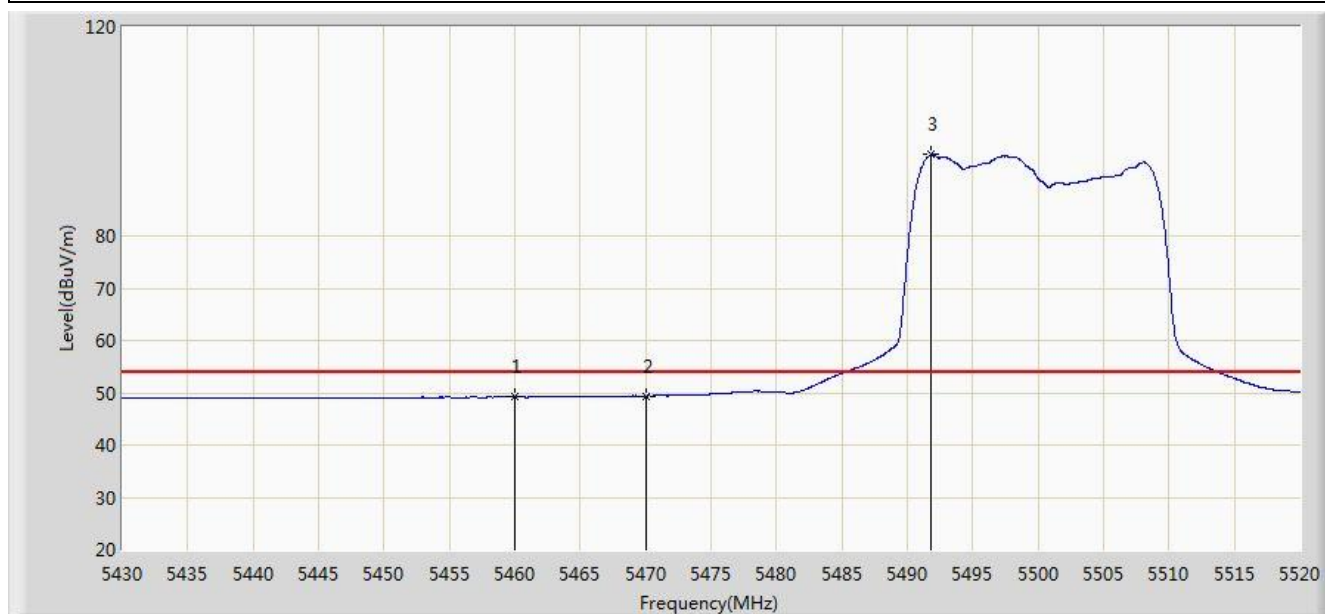


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5460.000        | 61.769                 | 24.959               | -12.231         | 74.000         | 36.810      | PK   |
| 2  |      |      | 5470.000        | 61.467                 | 24.642               | -12.533         | 74.000         | 36.825      | PK   |
| 3  |      | *    | 5493.585        | 106.819                | 69.956               | N/A             | N/A            | 36.863      | PK   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2014/07/15 - 20:37 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz Ant 0+1+2+3 |                          |

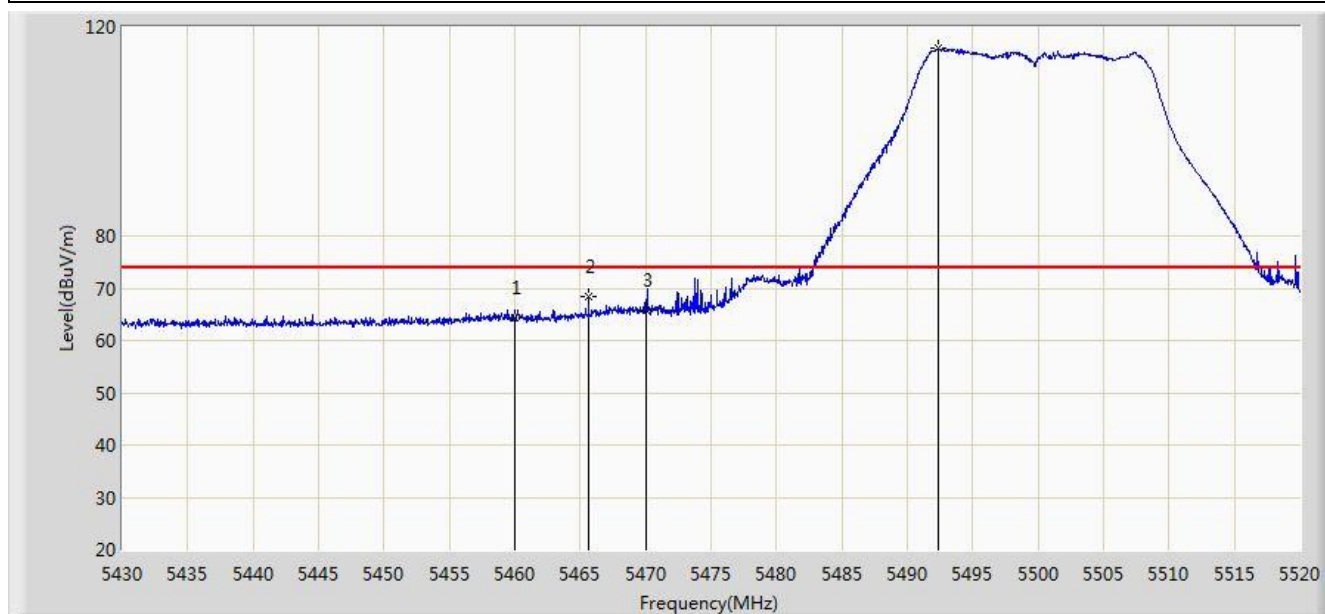


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5460.000        | 49.176                 | 12.366               | -4.824          | 54.000         | 36.810      | AV   |
| 2  |      |      | 5470.000        | 49.385                 | 12.560               | -4.615          | 54.000         | 36.825      | AV   |
| 3  |      | *    | 5491.830        | 95.516                 | 58.656               | N/A             | N/A            | 36.859      | AV   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2014/07/15 - 20:40 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz Ant 0+1+2+3 |                          |

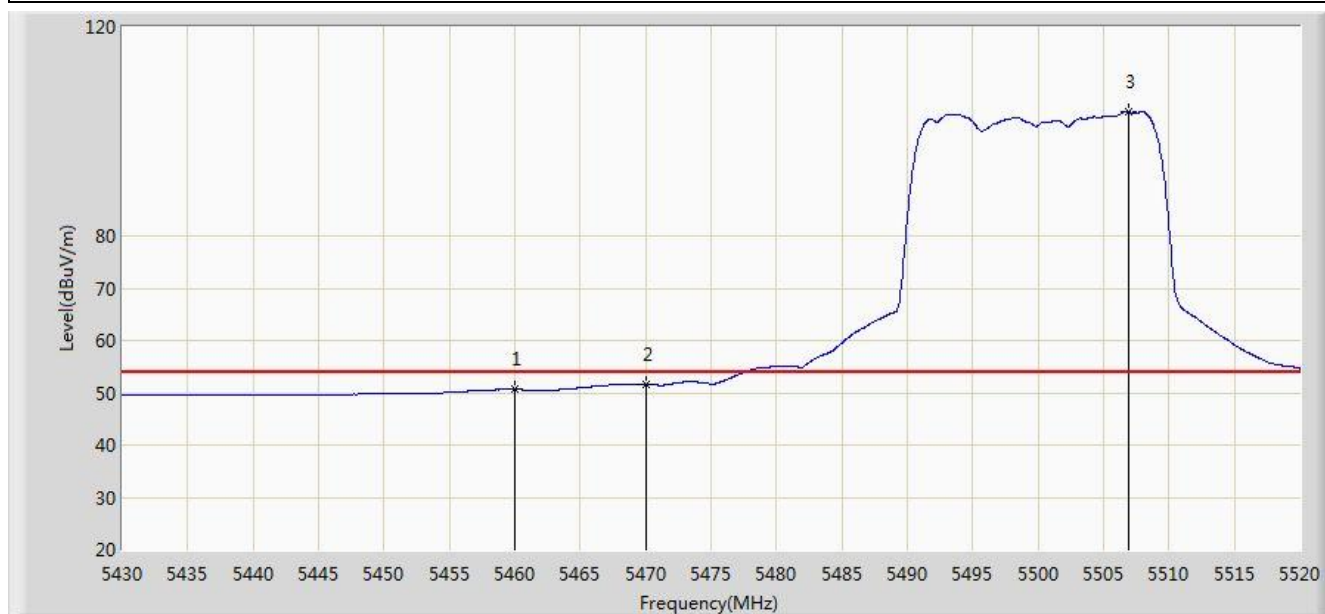


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5460.000        | 64.347                 | 27.537               | -9.653          | 74.000         | 36.810      | PK   |
| 2  |      |      | 5465.640        | 68.550                 | 31.732               | -5.450          | 74.000         | 36.818      | PK   |
| 3  |      |      | 5470.000        | 65.732                 | 28.907               | -8.268          | 74.000         | 36.825      | PK   |
| 4  |      | *    | 5492.370        | 115.843                | 78.982               | N/A             | N/A            | 36.861      | PK   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2014/07/15 - 20:54 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz Ant 0+1+2+3 |                          |

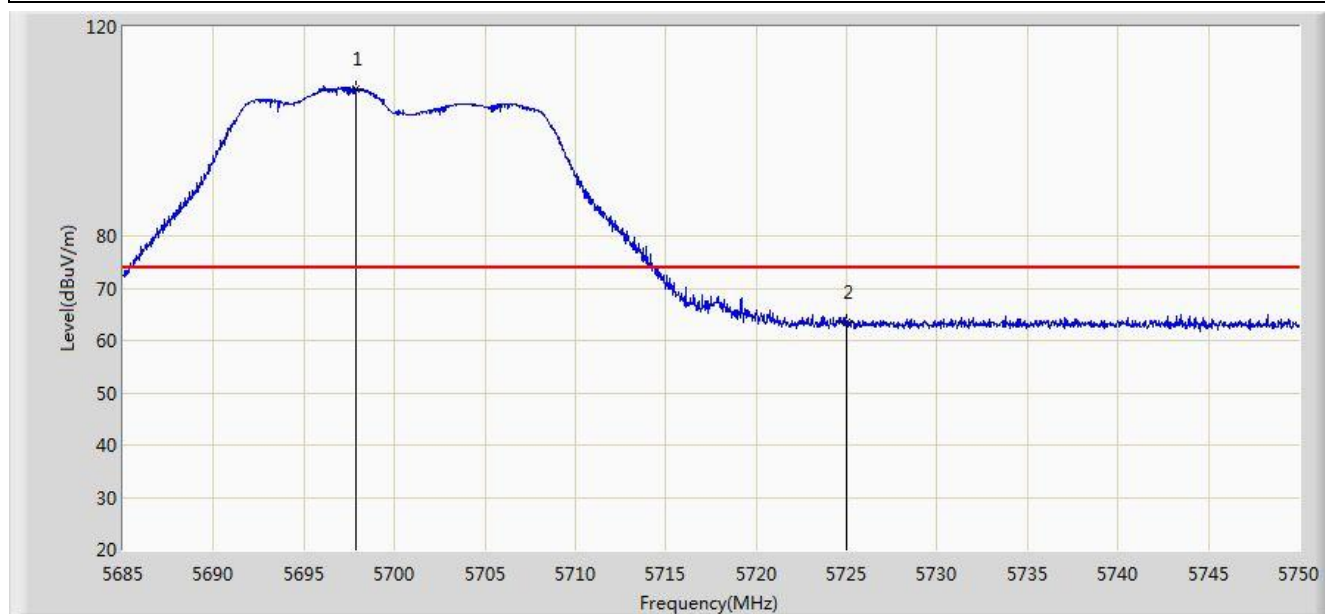


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5460.000        | 50.692                 | 13.882               | -3.308          | 54.000         | 36.810      | AV   |
| 2  |      |      | 5470.000        | 51.547                 | 14.722               | -2.453          | 54.000         | 36.825      | AV   |
| 3  |      | *    | 5506.950        | 103.809                | 66.921               | N/A             | N/A            | 36.888      | AV   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2014/07/15 - 21:31 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz Ant 0+1+2+3 |                          |

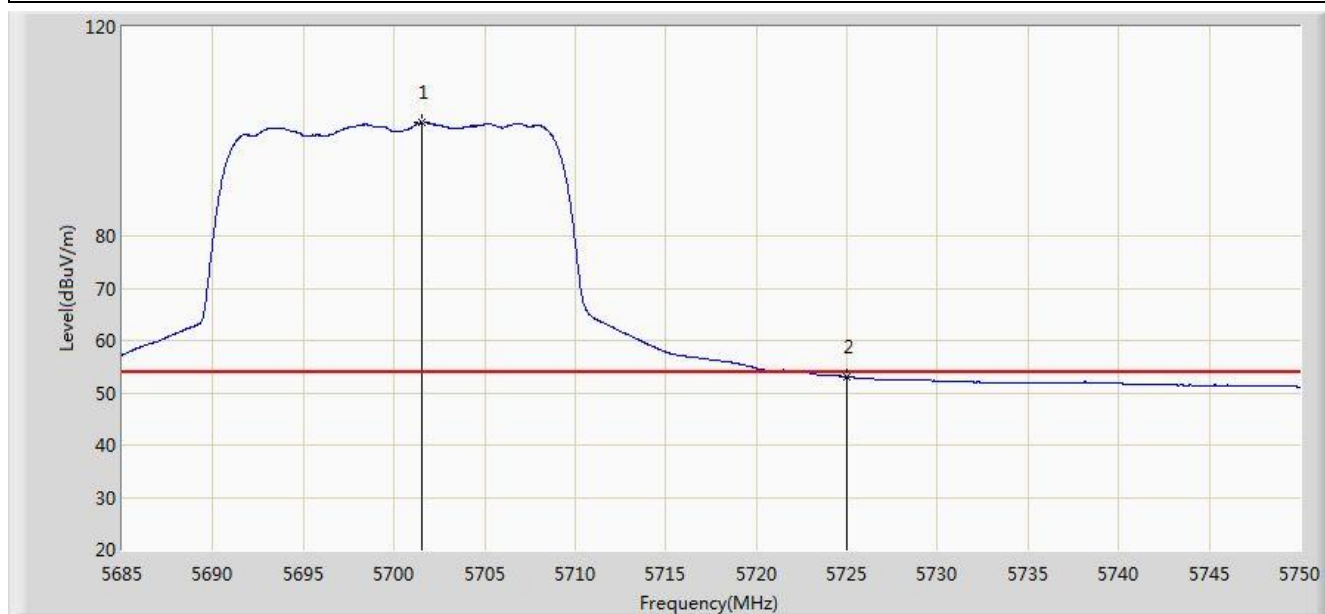


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5697.902        | 108.237                | 71.042               | N/A             | N/A            | 37.195      | PK   |
| 2  |      |      | 5725.000        | 63.580                 | 26.275               | -10.420         | 74.000         | 37.305      | PK   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2014/07/15 - 21:42 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz Ant 0+1+2+3 |                          |

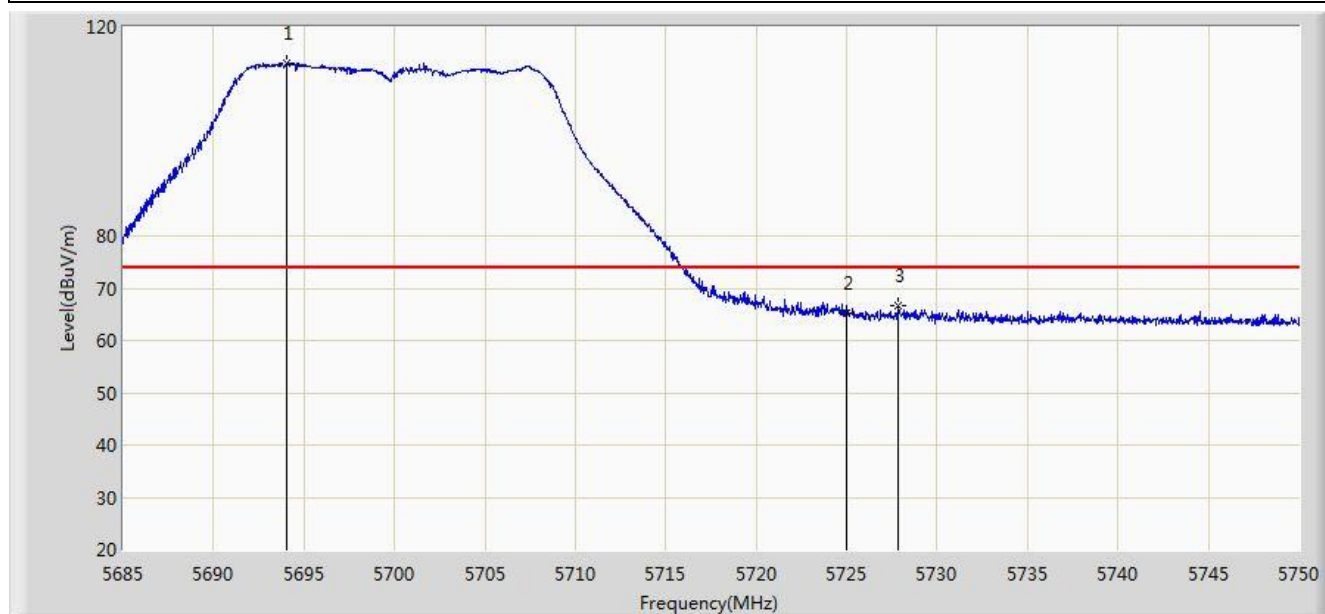


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5701.542        | 101.602                | 64.395               | N/A             | N/A            | 37.207      | AV   |
| 2  |      |      | 5725.000        | 53.091                 | 15.786               | -0.909          | 54.000         | 37.305      | AV   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2014/07/15 - 21:45 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz Ant 0+1+2+3 |                          |

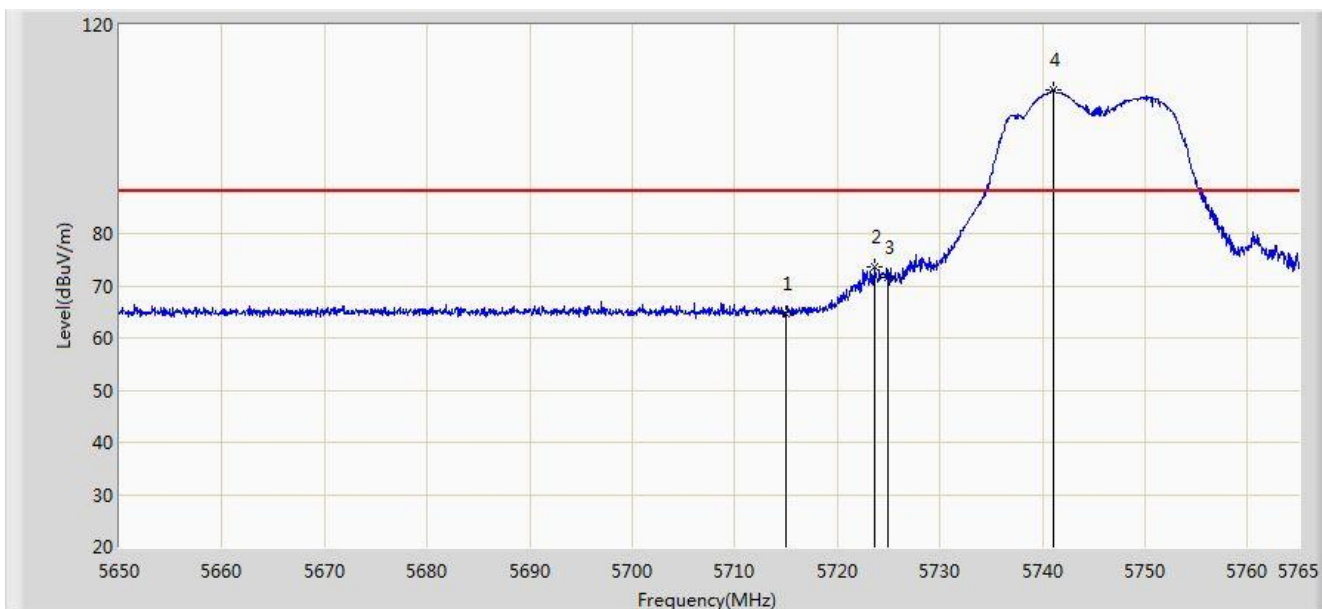


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5694.067        | 113.001                | 75.819               | N/A             | N/A            | 37.182      | PK   |
| 2  |      |      | 5725.000        | 65.247                 | 27.942               | -8.753          | 74.000         | 37.305      | PK   |
| 3  |      |      | 5727.868        | 66.653                 | 29.337               | -7.347          | 74.000         | 37.316      | PK   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2015/02/11 - 15:44 |
| Limit: FCC 15.407                                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5745MHz by 802.11n-HT20 Ant 0+1+2+3 |                          |

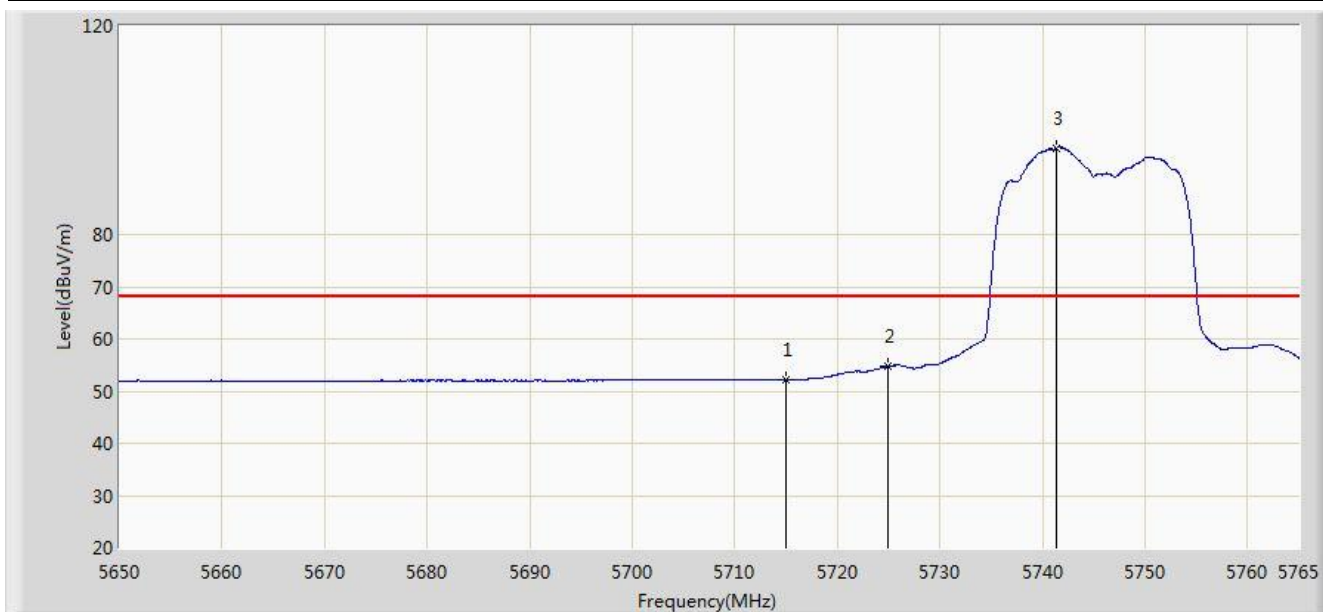


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5715.000        | 64.754                 | 26.805               | -23.446         | 88.200         | 37.949      | PK   |
| 2  |      |      | 5723.658        | 73.626                 | 35.642               | -24.574         | 98.200         | 37.984      | PK   |
| 3  |      |      | 5725.000        | 71.544                 | 33.554               | -26.656         | 98.200         | 37.990      | PK   |
| 4  |      | *    | 5741.138        | 107.575                | 69.520               | N/A             | N/A            | 38.055      | PK   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2015/02/11 - 15:47 |
| Limit: FCC 15.407                                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5745MHz by 802.11n-HT20 Ant 0+1+2+3 |                          |

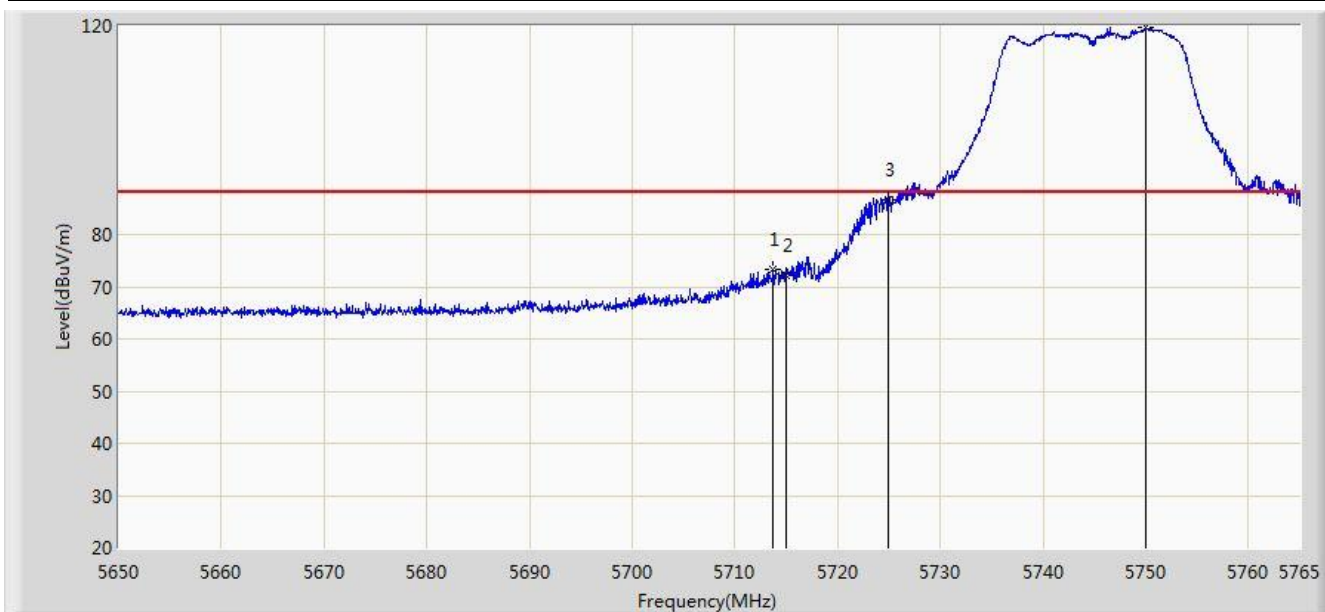


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5715.000        | 52.174                 | 14.225               | -16.026         | 68.200         | 37.949      | AV   |
| 2  |      |      | 5725.000        | 54.763                 | 16.773               | -23.437         | 78.200         | 37.990      | AV   |
| 3  |      | *    | 5741.310        | 96.567                 | 58.511               | N/A             | N/A            | 38.056      | AV   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2015/02/11 - 15:49 |
| Limit: FCC 15.407                                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5745MHz by 802.11n-HT20 Ant 0+1+2+3 |                          |

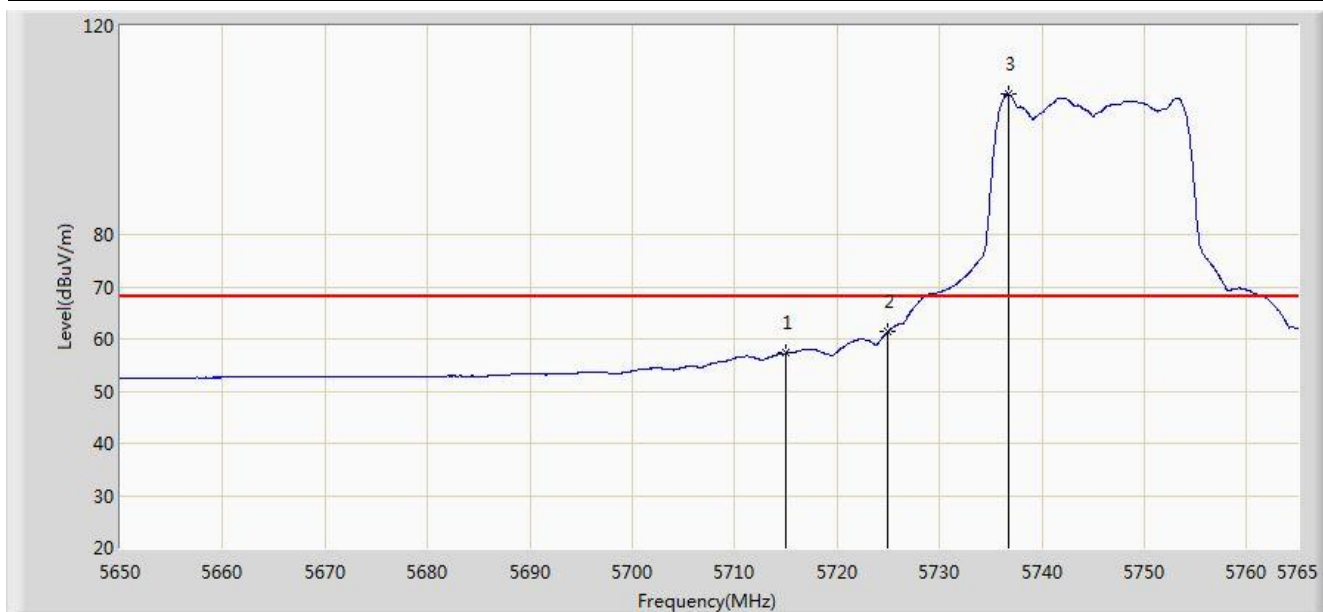


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5713.710        | 73.434                 | 35.490               | -14.766         | 88.200         | 37.944      | PK   |
| 2  |      |      | 5715.000        | 72.144                 | 34.195               | -16.056         | 88.200         | 37.949      | PK   |
| 3  |      |      | 5725.000        | 86.763                 | 48.773               | -11.437         | 98.200         | 37.990      | PK   |
| 4  |      | *    | 5750.050        | 119.609                | 81.513               | N/A             | N/A            | 38.096      | PK   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2015/02/11 - 15:51 |
| Limit: FCC 15.407                                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5745MHz by 802.11n-HT20 Ant 0+1+2+3 |                          |

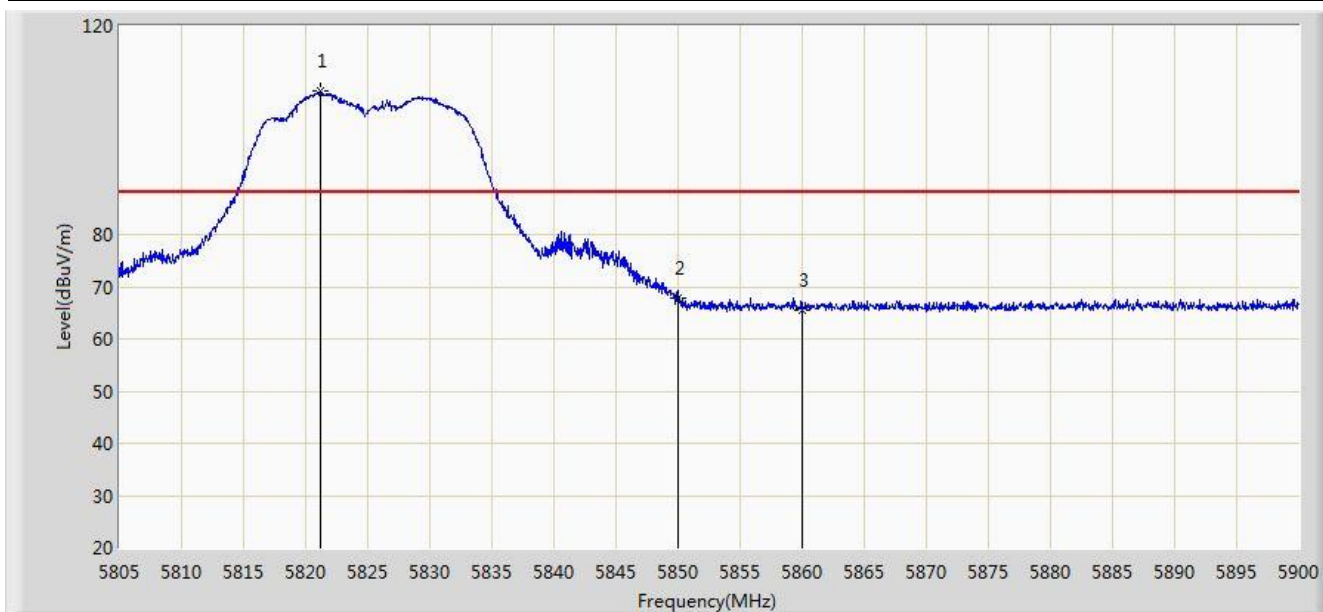


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5715.000        | 57.247                 | 19.298               | -10.953         | 68.200         | 37.949      | AV   |
| 2  |      |      | 5725.000        | 61.379                 | 23.389               | -16.821         | 78.200         | 37.990      | AV   |
| 3  |      | *    | 5736.710        | 106.966                | 68.928               | N/A             | N/A            | 38.038      | AV   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2015/02/11 - 15:53 |
| Limit: FCC 15.407                                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5825MHz by 802.11n-HT20 Ant 0+1+2+3 |                          |

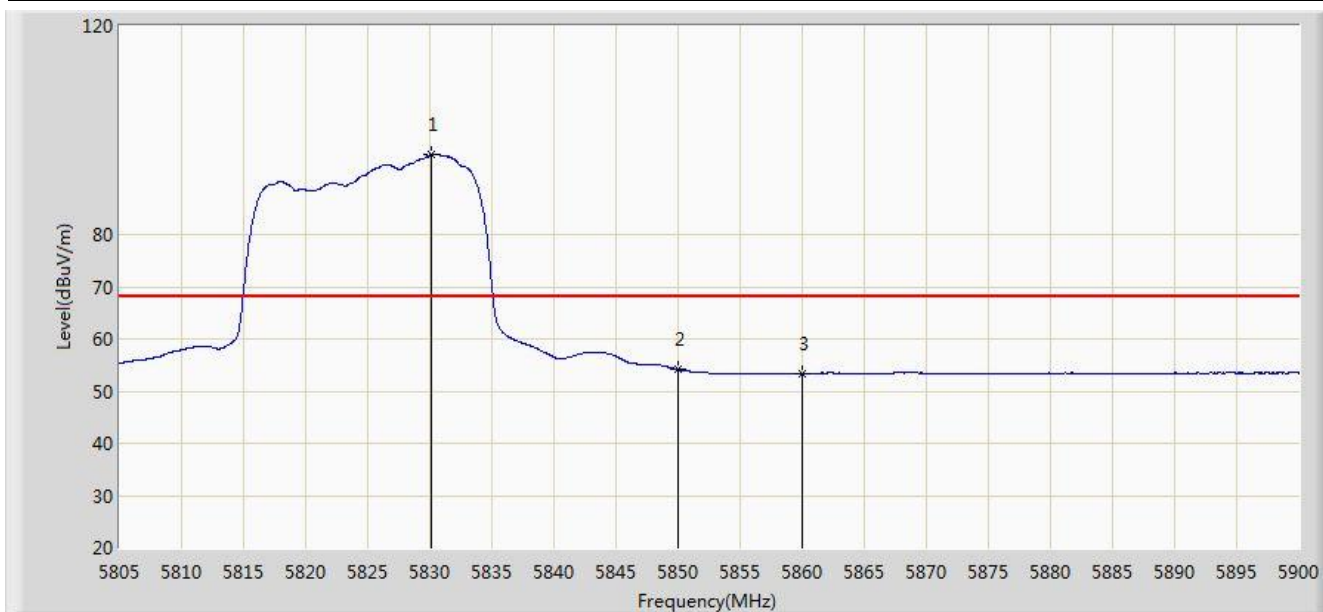


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5821.150        | 107.563                | 69.223               | N/A             | N/A            | 38.340      | PK   |
| 2  |      |      | 5850.000        | 67.921                 | 29.468               | -30.279         | 98.200         | 38.454      | PK   |
| 3  |      |      | 5860.000        | 65.383                 | 26.905               | -22.817         | 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: 2015/02/11 - 15:54 |
| Limit: FCC 15.407                                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5825MHz by 802.11n-HT20 Ant 0+1+2+3 |                          |

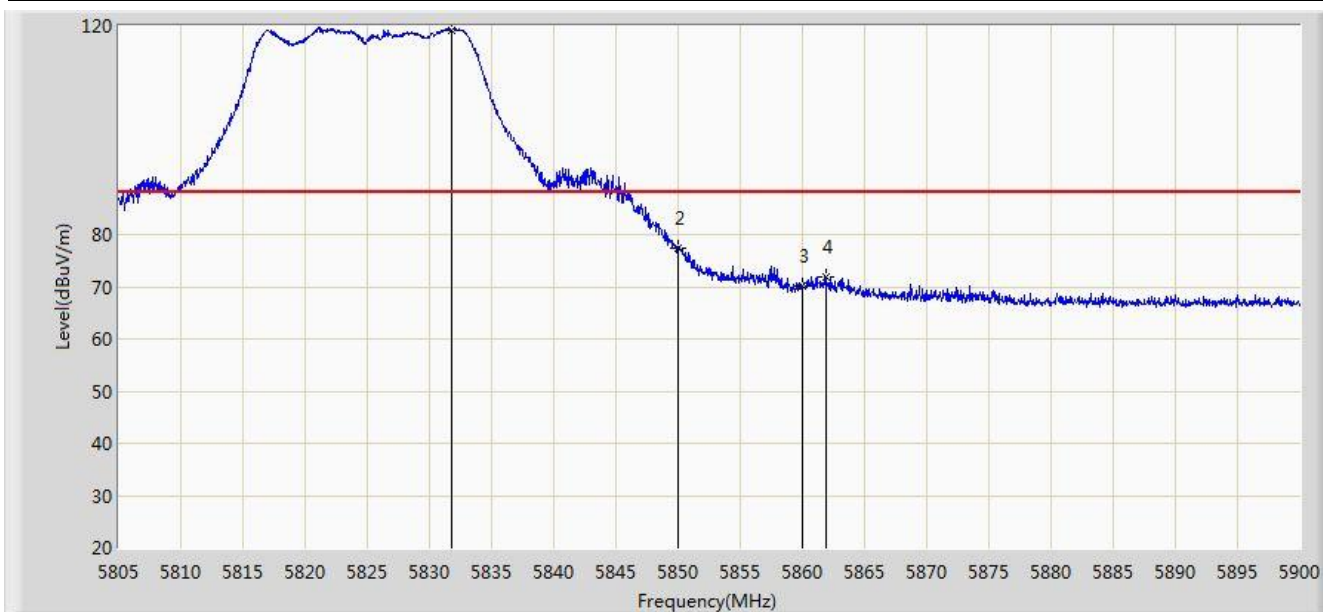


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5830.080        | 95.319                 | 56.942               | N/A             | N/A            | 38.377      | AV   |
| 2  |      |      | 5850.000        | 54.205                 | 15.752               | -23.995         | 78.200         | 38.454      | AV   |
| 3  |      |      | 5860.000        | 53.457                 | 14.979               | -14.743         | 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: 2015/02/11 - 15:56 |
| Limit: FCC 15.407                                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5825MHz by 802.11n-HT20 Ant 0+1+2+3 |                          |

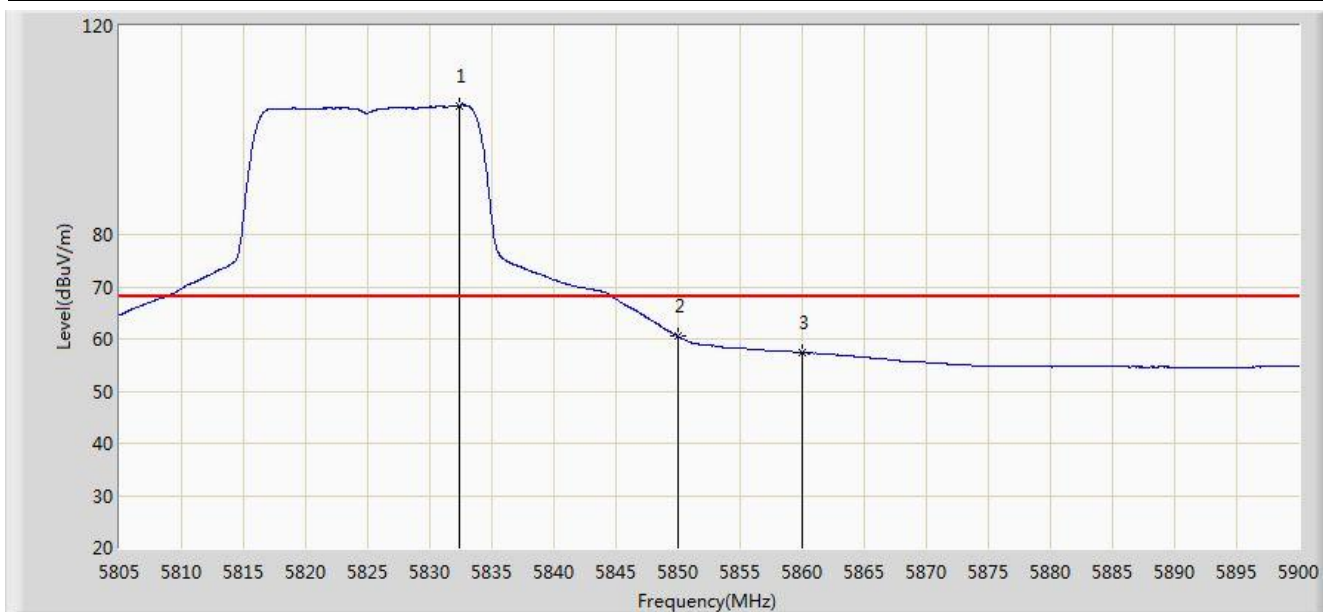


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5831.790        | 119.248                | 80.864               | N/A             | N/A            | 38.385      | PK   |
| 2  |      |      | 5850.000        | 77.483                 | 39.030               | -20.717         | 98.200         | 38.454      | PK   |
| 3  |      |      | 5860.000        | 70.179                 | 31.701               | -18.021         | 88.200         | 38.478      | PK   |
| 4  |      |      | 5861.857        | 71.877                 | 33.395               | -16.323         | 88.200         | 38.482      | PK   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2015/02/11 - 15:57 |
| Limit: FCC 15.407                                                  | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5825MHz by 802.11n-HT20 Ant 0+1+2+3 |                          |

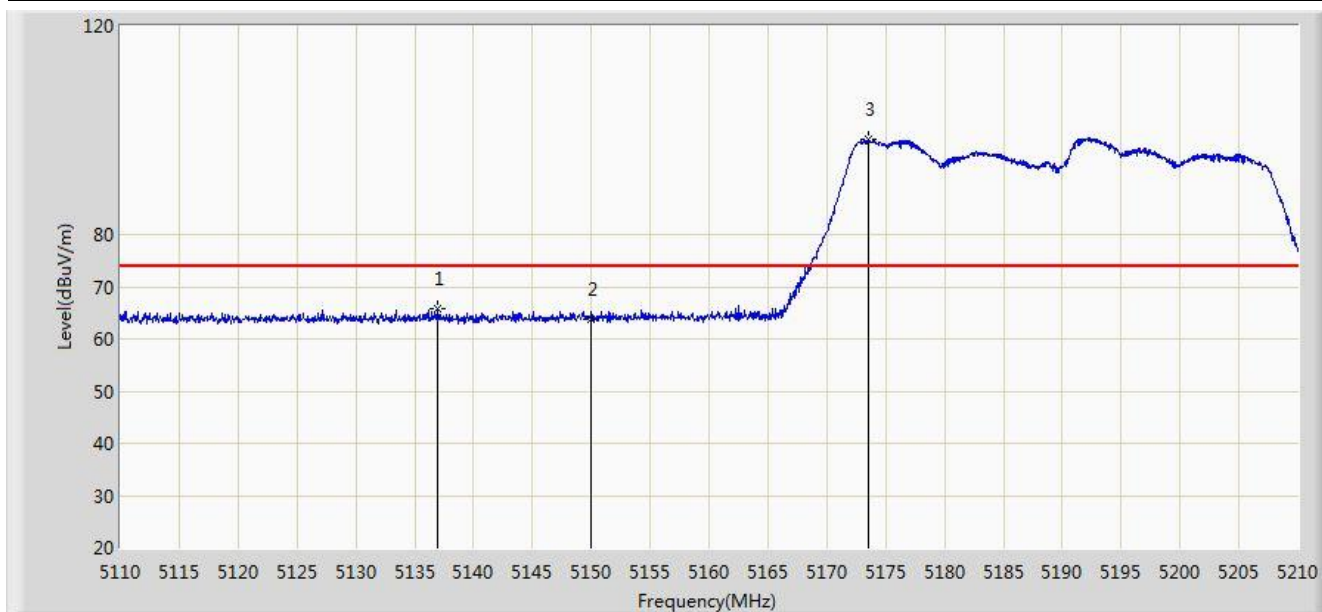


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5832.408        | 104.740                | 66.353               | N/A             | N/A            | 38.387      | AV   |
| 2  |      |      | 5850.000        | 60.459                 | 22.006               | -17.741         | 78.200         | 38.454      | AV   |
| 3  |      |      | 5860.000        | 57.350                 | 18.872               | -10.850         | 68.200         | 38.478      | AV   |

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2015/02/11 - 16:00 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5190MHz by 802.11n-HT40 Ant 0+1+2+3 |                          |

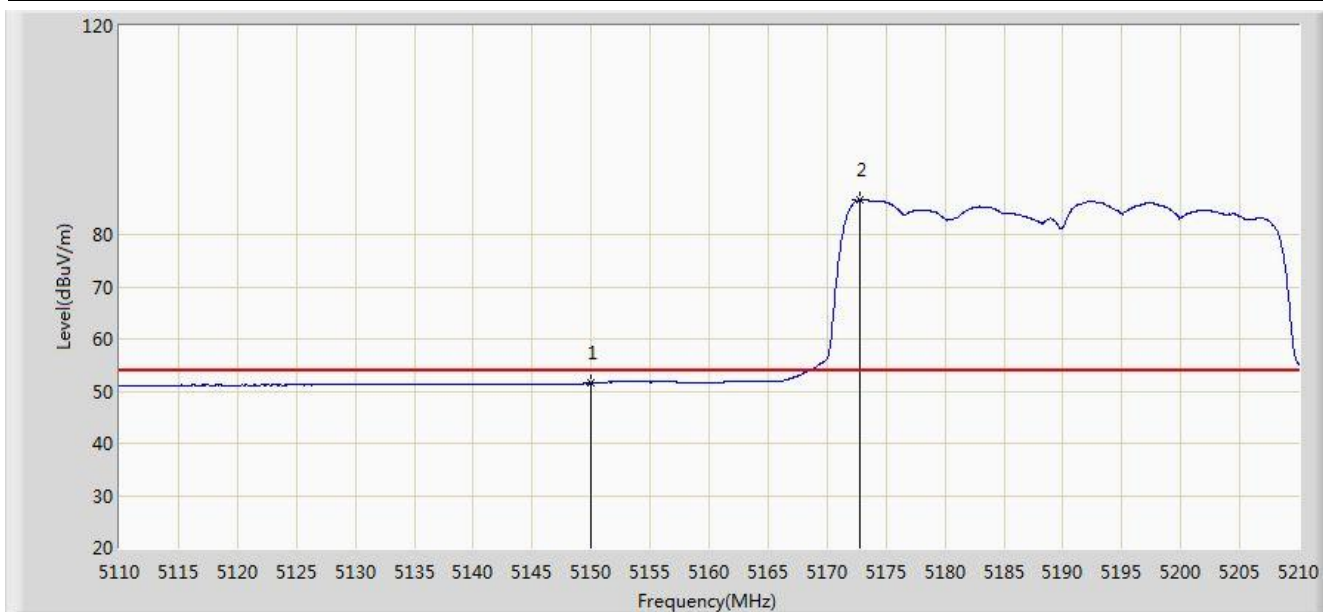


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5137.000        | 65.873                 | 28.401               | -8.127          | 74.000         | 37.472      | PK   |
| 2  |      |      | 5150.000        | 63.848                 | 26.396               | -10.152         | 74.000         | 37.452      | PK   |
| 3  |      | *    | 5173.550        | 98.141                 | 60.753               | 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: 2015/02/11 - 16:02 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5190MHz by 802.11n-HT40 Ant 0+1+2+3 |                          |

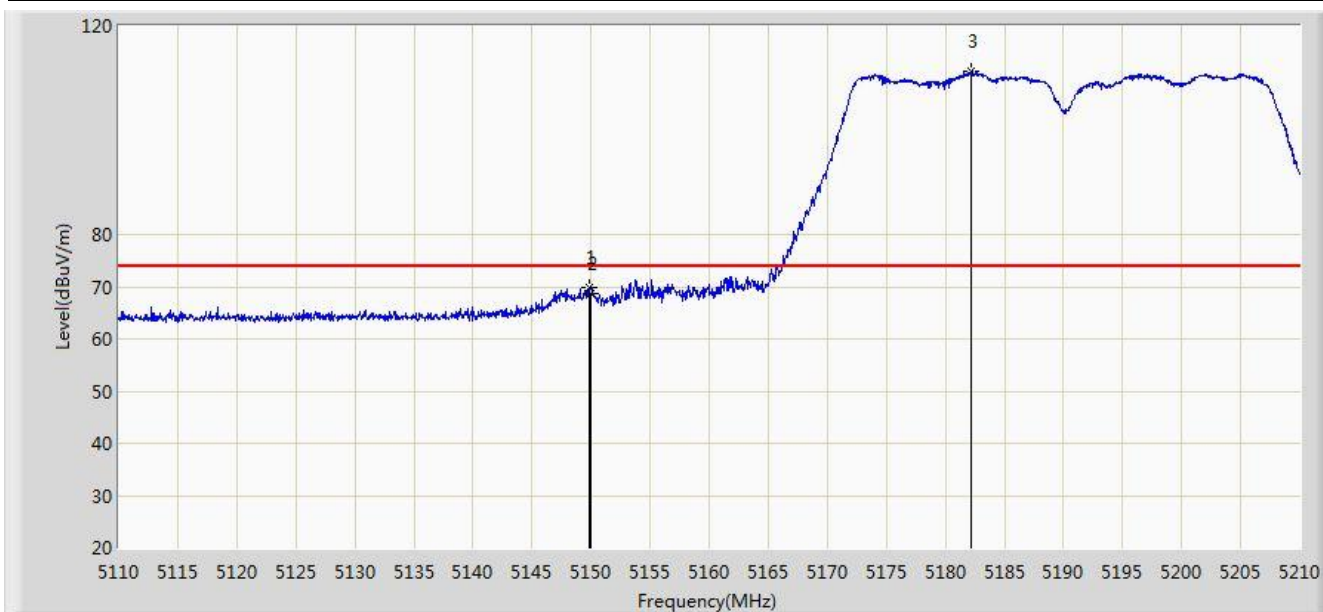


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5150.000        | 51.545                 | 14.093               | -2.455          | 54.000         | 37.452      | AV   |
| 2  |      | *    | 5172.800        | 86.672                 | 49.282               | N/A             | N/A            | 37.390      | AV   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2015/02/11 - 16:12 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5190MHz by 802.11n-HT40 Ant 0+1+2+3 |                          |

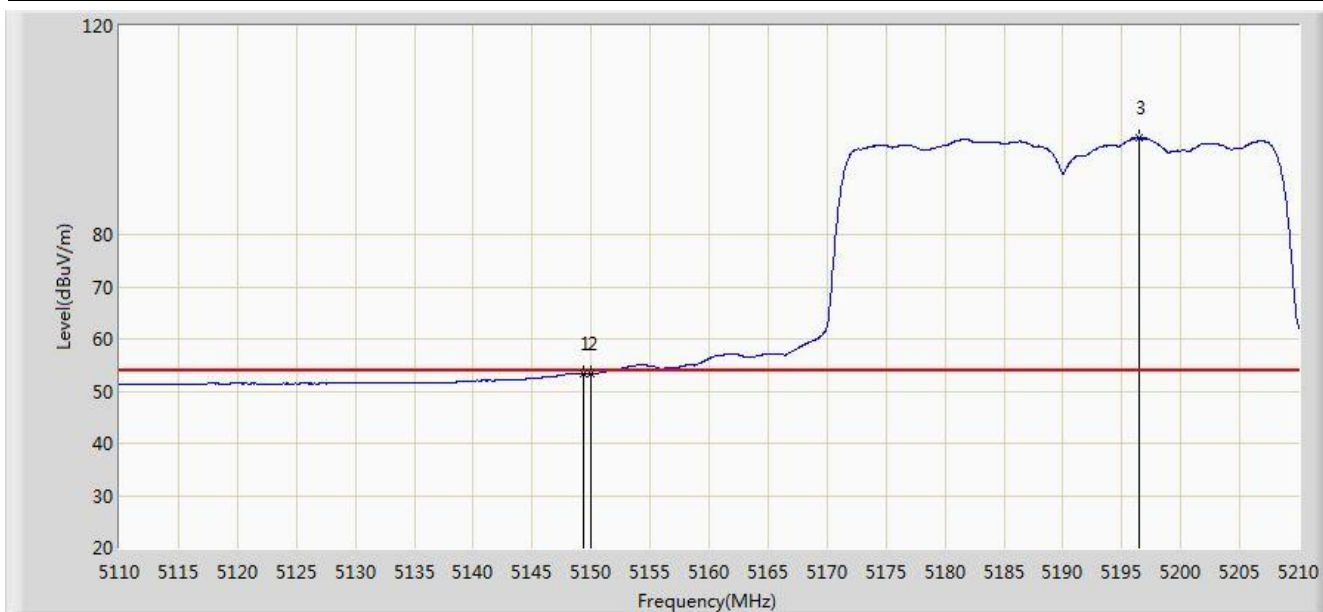


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5149.850        | 69.991                 | 32.539               | -4.009          | 74.000         | 37.452      | PK   |
| 2  |      |      | 5150.000        | 68.683                 | 31.231               | -5.317          | 74.000         | 37.452      | PK   |
| 3  |      | *    | 5182.200        | 111.177                | 73.808               | N/A             | N/A            | 37.369      | PK   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2015/02/11 - 16:18 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit at channel 5190MHz by 802.11n-HT40 Ant 0+1+2+3 |                          |

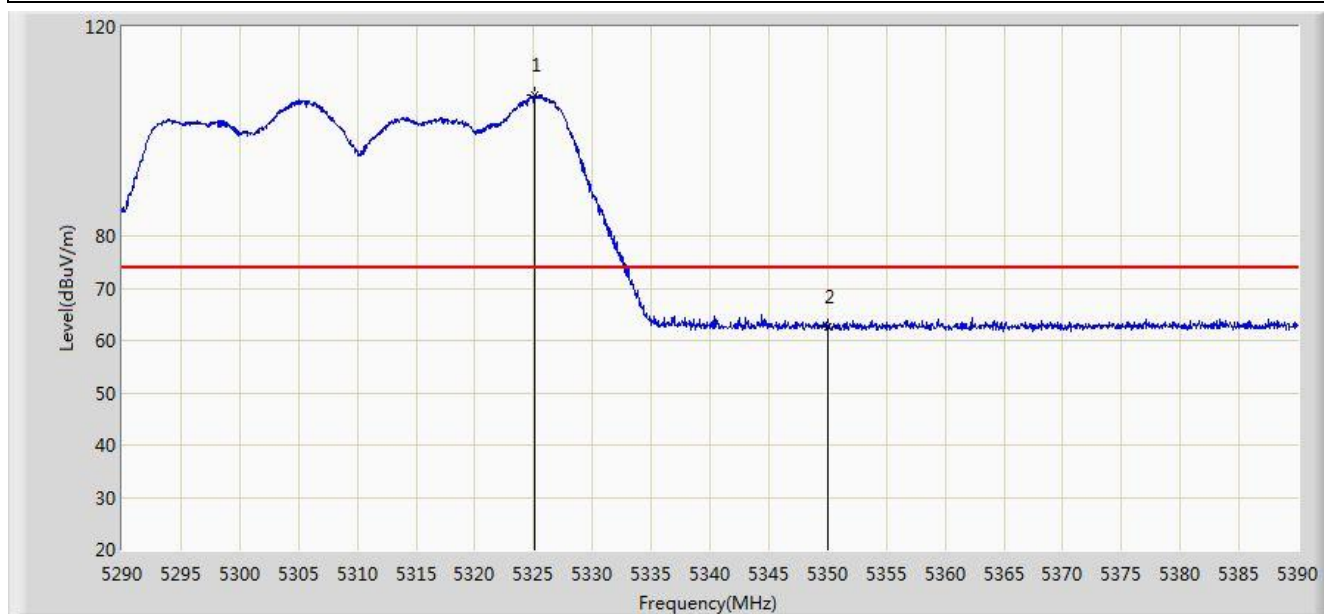


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 5149.300        | 53.410                 | 15.957               | -0.590          | 54.000         | 37.453      | AV   |
| 2  |      |      | 5150.000        | 53.333                 | 15.881               | -0.667          | 54.000         | 37.452      | AV   |
| 3  |      | *    | 5196.500        | 98.443                 | 61.109               | N/A             | N/A            | 37.334      | AV   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2014/07/16 - 09:12 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11n-HT40 at channel 5310MHz Ant 0+1+2+3 |                          |

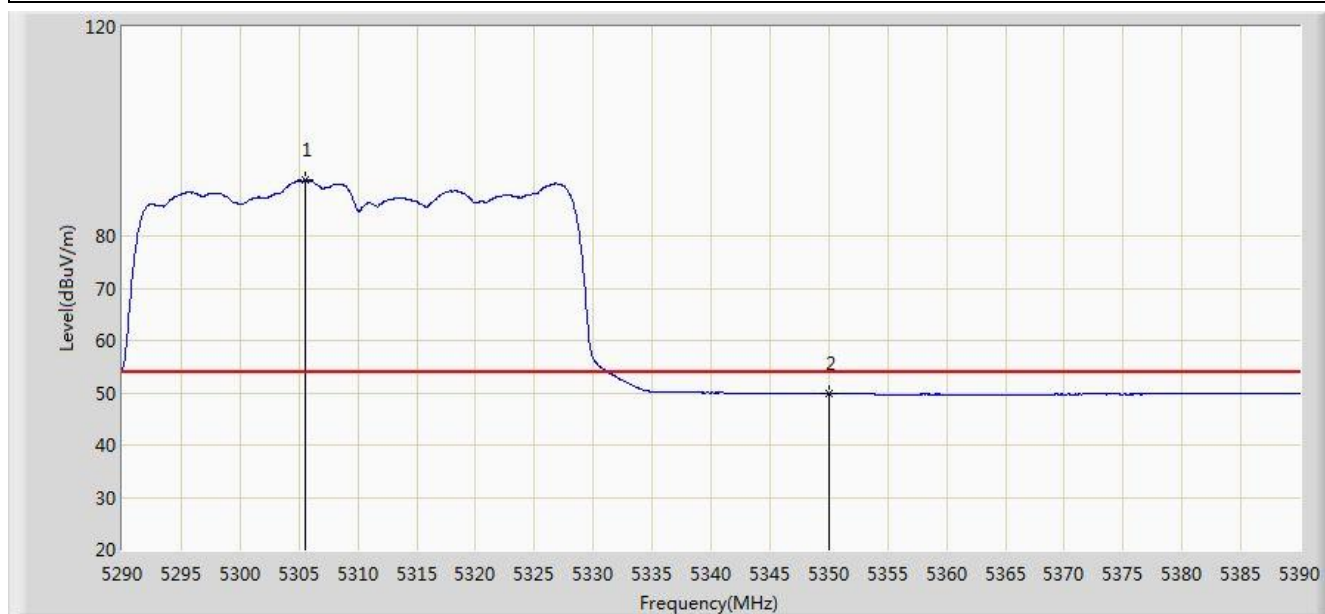


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5325.100        | 106.880                | 70.397               | N/A             | N/A            | 36.483      | PK   |
| 2  |      |      | 5350.000        | 62.692                 | 26.156               | -11.308         | 74.000         | 36.536      | PK   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2014/07/16 - 09:16 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Horizontal     |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11n-HT40 at channel 5310MHz Ant 0+1+2+3 |                          |

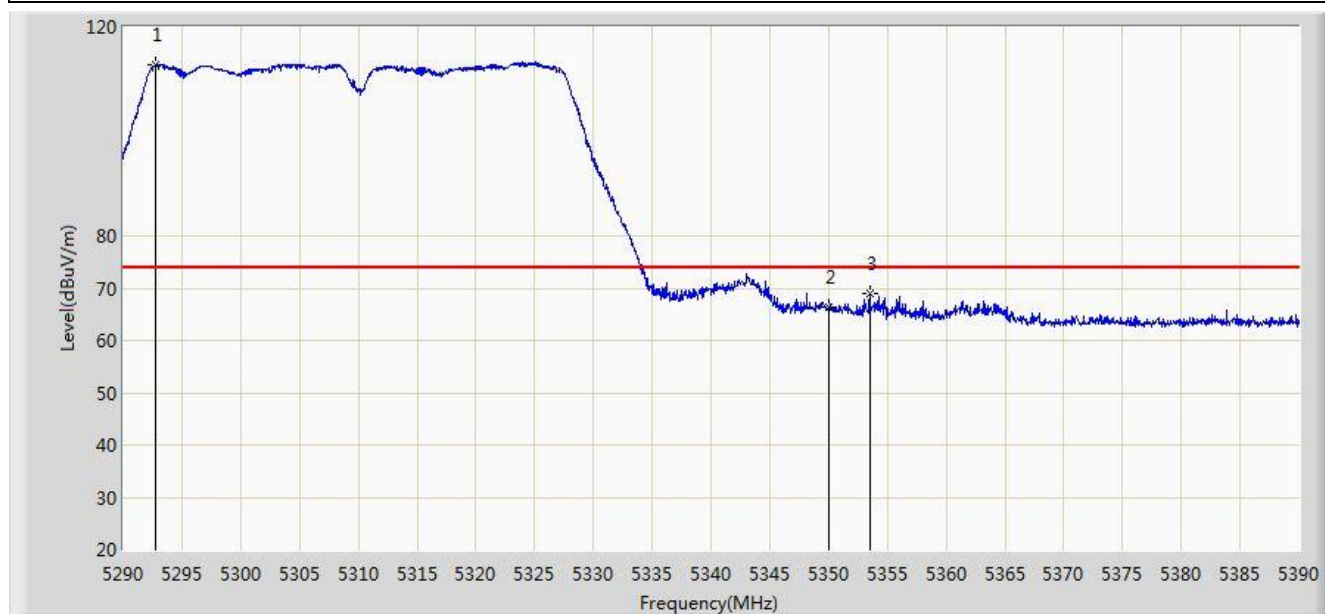


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5305.550        | 90.686                 | 54.243               | N/A             | N/A            | 36.443      | AV   |
| 2  |      |      | 5350.000        | 49.790                 | 13.254               | -4.210          | 54.000         | 36.536      | AV   |

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

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

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| Site: AC1                                                          | Time: 2014/07/16 - 09:19 |
| Limit: FCC_Part15.209_RE(3m)                                       | Engineer: Roy Cheng      |
| Probe: BBHA9120D_1-18GHz                                           | Polarity: Vertical       |
| EUT: WIFI dual band 4 GE LAN GPON HGU                              | Power: AC 120V/60Hz      |
| Test Mode: Transmit by 802.11n-HT40 at channel 5310MHz Ant 0+1+2+3 |                          |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 5292.800        | 112.755                | 76.326               | N/A             | N/A            | 36.429      | PK   |
| 2  |      |      | 5350.000        | 66.478                 | 29.942               | -7.522          | 74.000         | 36.536      | PK   |
| 3  |      |      | 5353.500        | 68.926                 | 32.382               | -5.074          | 74.000         | 36.544      | PK   |

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

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