# Sector-Antenna 1356.17.0011 NII Band Bandedge Test Result

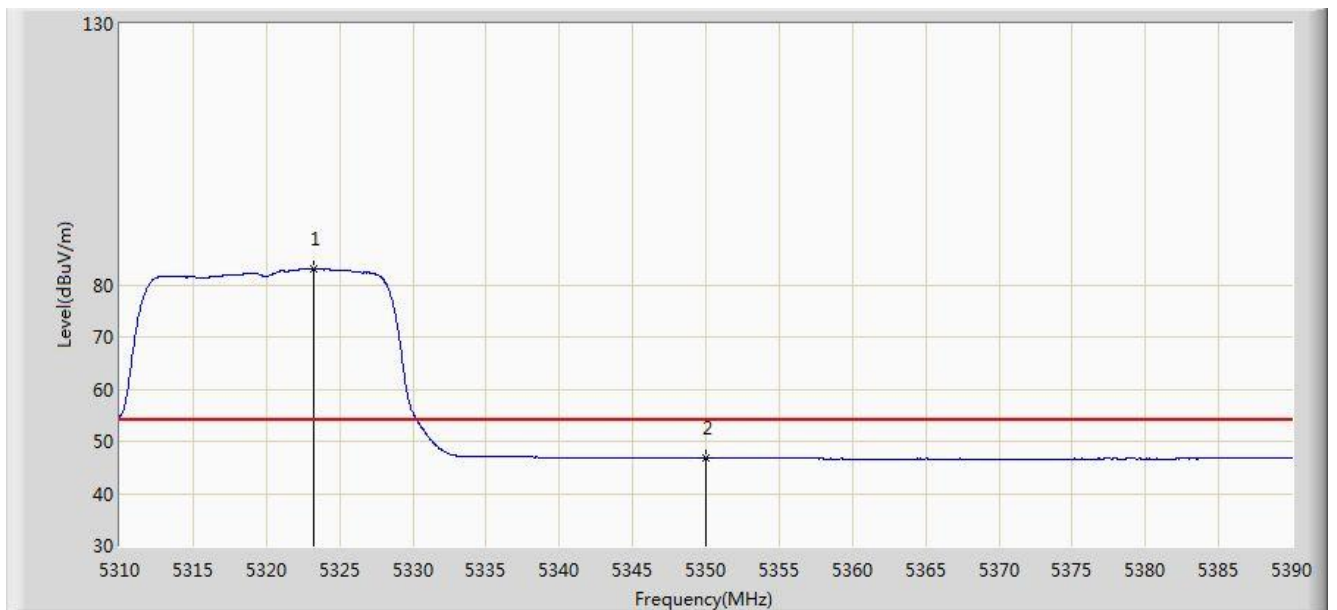| | |
|---|---|
| Site: AC1 | Time: 2016/11/14 - 19:56 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5323.440 | 95.509 | 91.654 | N/A | N/A | 3.855 | PK |
| 2 | | | 5350.000 | 59.812 | 55.907 | -14.188 | 74.000 | 3.904 | PK |
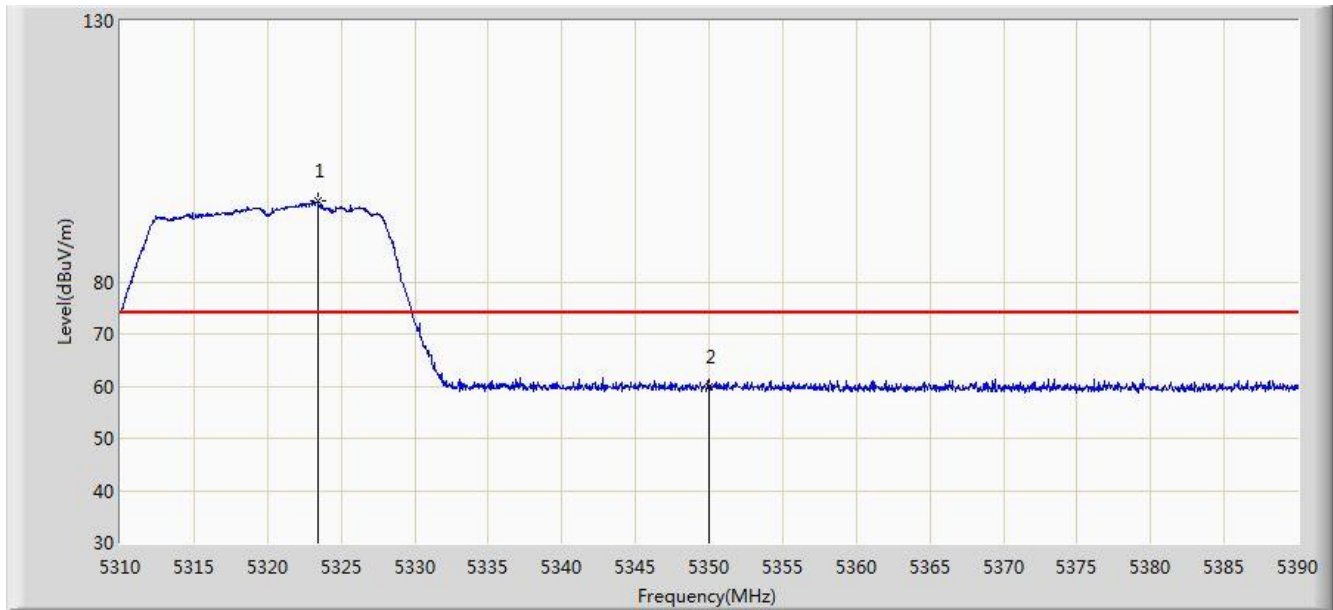
Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

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

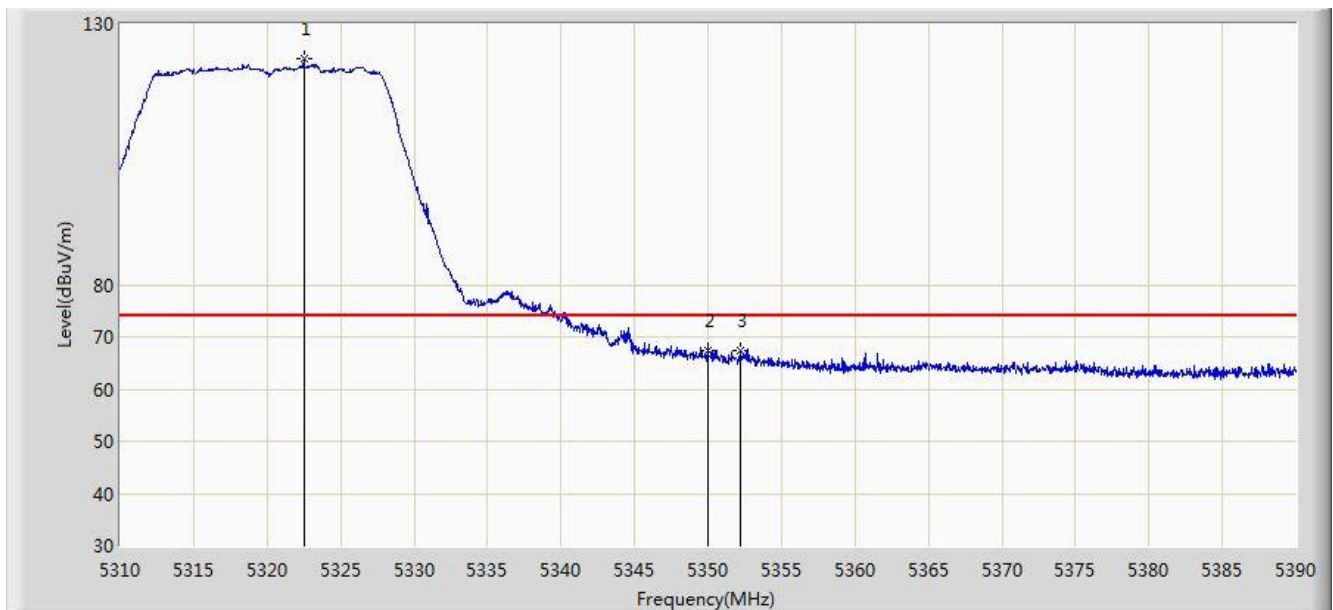| Site: AC1 | Time: 2016/11/14 - 19:58 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5323.280 | 83.077 | 79.222 | N/A | N/A | 3.855 | AV |
| 2 | | | 5350.000 | 46.759 | 42.854 | -7.241 | 54.000 | 3.904 | AV |

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

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

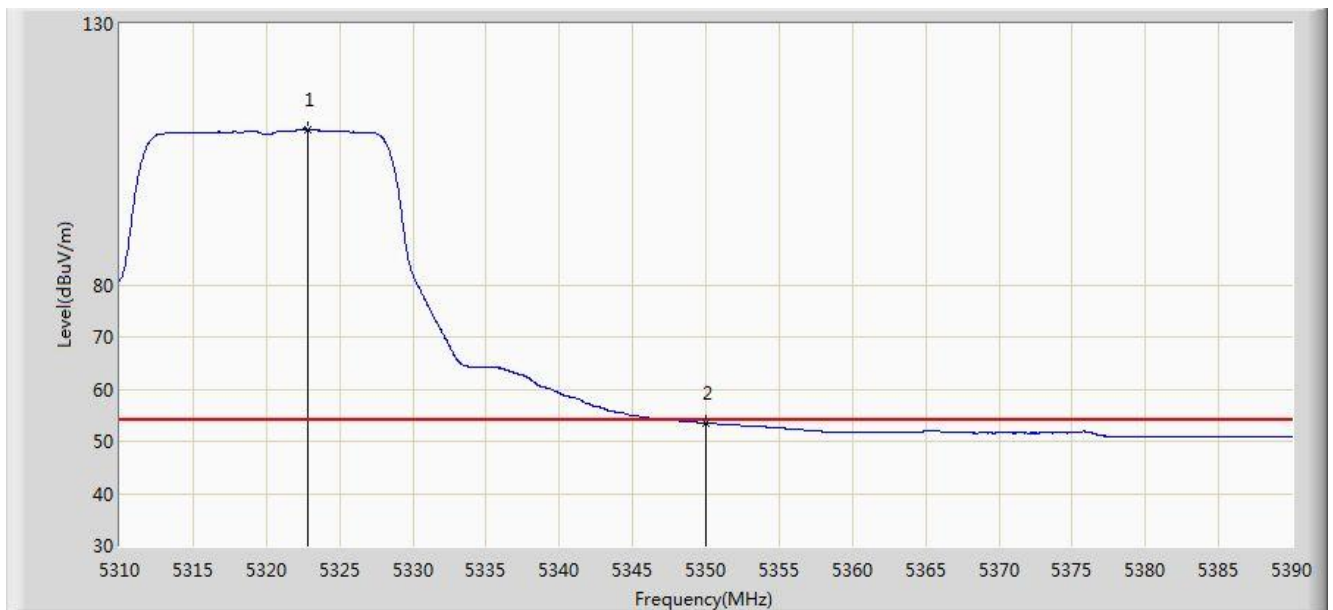| Site: AC1 | Time: 2016/11/14 - 19:54 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5322.520 | 123.449 | 119.596 | N/A | N/A | 3.853 | PK |
| 2 | | | 5350.000 | 67.273 | 63.368 | -6.727 | 74.000 | 3.904 | PK |
| 3 | | | 5352.200 | 67.506 | 63.597 | -6.494 | 74.000 | 3.908 | PK |

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

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

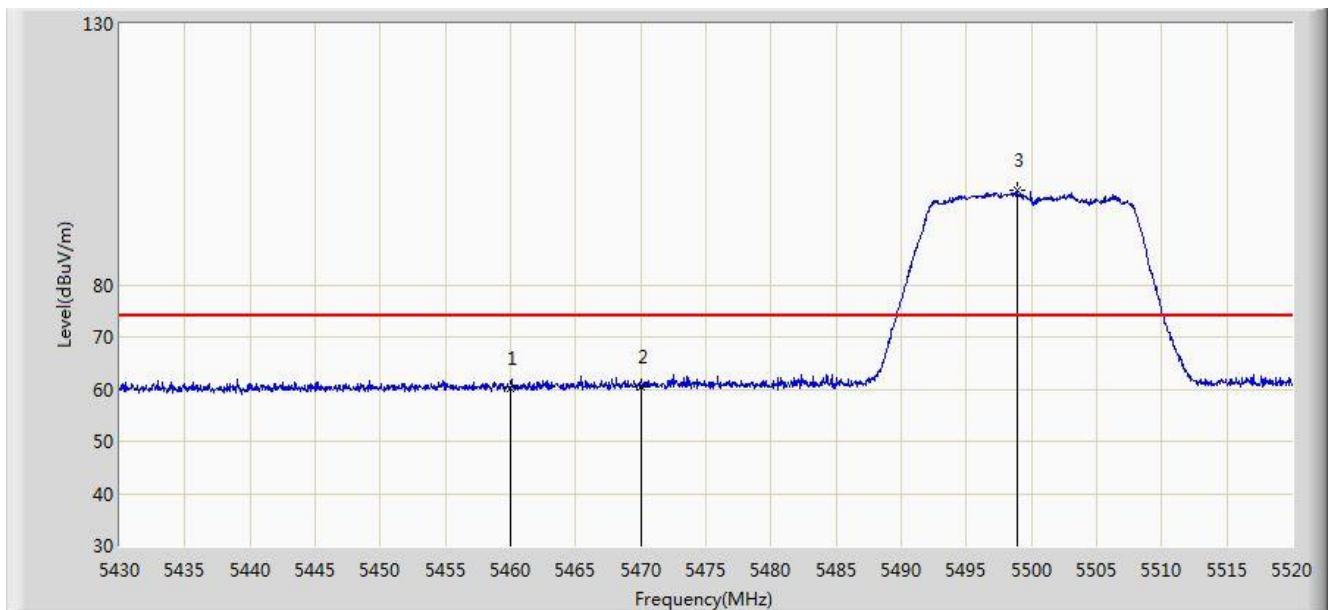| Site: AC1 | Time: 2016/11/14 - 19:47 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5322.880 | 109.777 | 105.923 | N/A | N/A | 3.854 | AV |
| 2 | | | 5350.000 | 53.498 | 49.593 | -0.502 | 54.000 | 3.904 | AV |

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

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

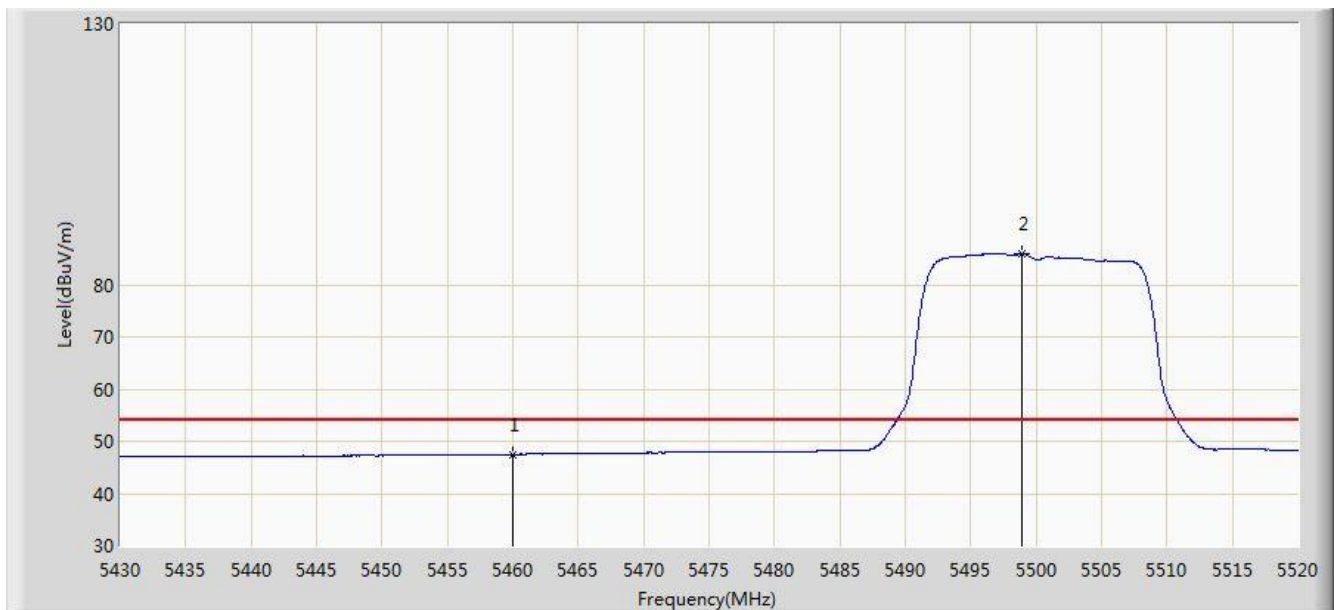| Site: AC1 | Time: 2016/11/14 - 20:15 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 60.242 | 56.062 | -13.758 | 74.000 | 4.180 | PK |
| 2 | | | 5470.000 | 60.479 | 56.277 | -13.521 | 74.000 | 4.202 | PK |
| 3 | | * | 5498.895 | 97.998 | 93.729 | N/A | N/A | 4.269 | PK |

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

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

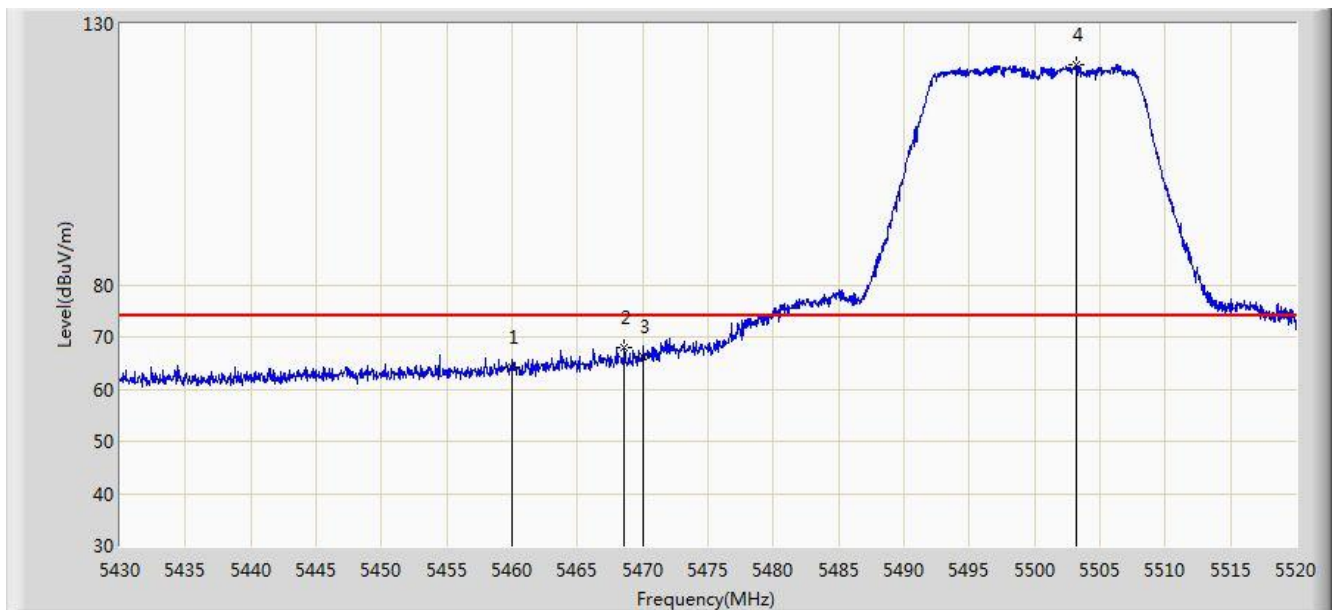| Site: AC1 | Time: 2016/11/14 - 20:21 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 47.468 | 43.288 | -6.532 | 54.000 | 4.180 | AV |
| 2 | | * | 5498.940 | 85.833 | 81.564 | N/A | N/A | 4.269 | AV |

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

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

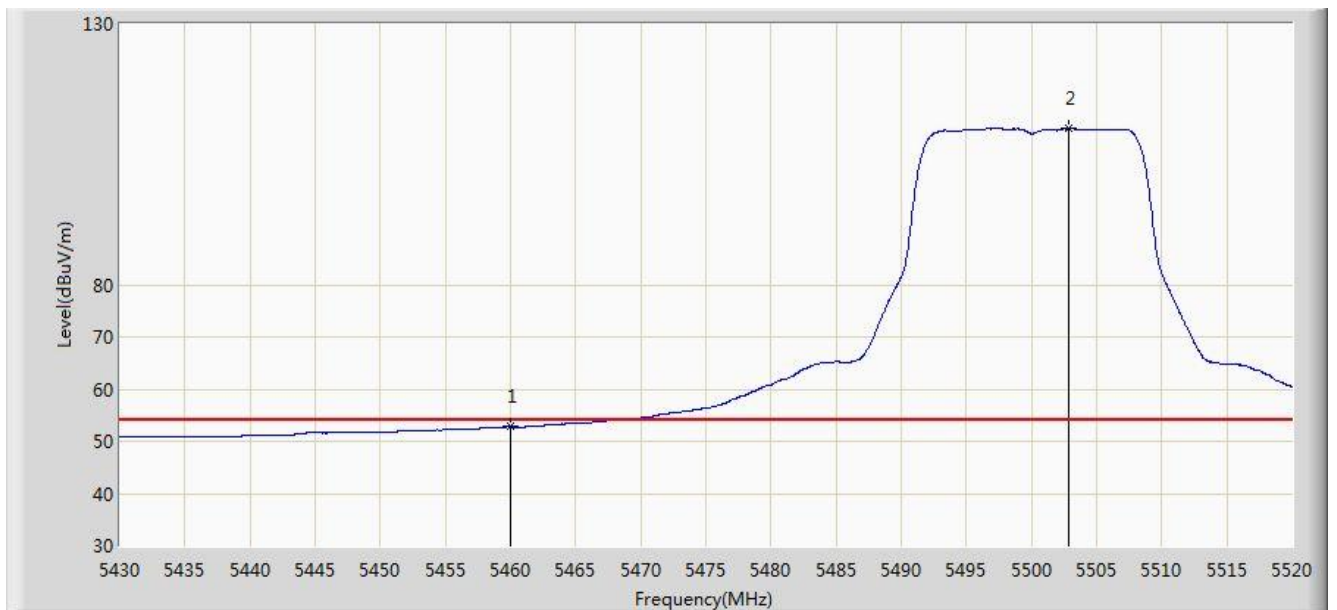| Site: AC1 | Time: 2016/11/14 - 20:13 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 64.197 | 60.017 | -9.803 | 74.000 | 4.180 | PK |
| 2 | | | 5468.610 | 68.054 | 63.855 | -5.946 | 74.000 | 4.199 | PK |
| 3 | | | 5470.000 | 66.249 | 62.047 | -7.751 | 74.000 | 4.202 | PK |
| 4 | | * | 5503.215 | 122.132 | 117.851 | N/A | N/A | 4.281 | PK |

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

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

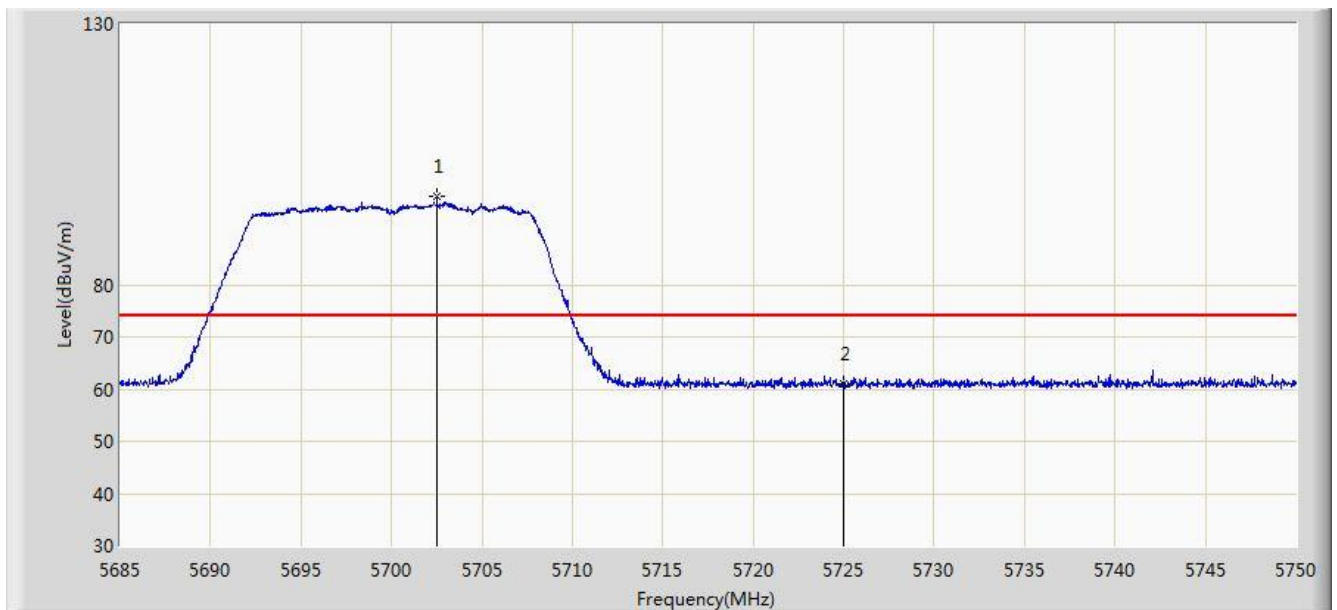| Site: AC1 | Time: 2016/11/14 - 19:59 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 52.765 | 48.585 | -1.235 | 54.000 | 4.180 | AV |
| 2 | | * | 5502.900 | 109.980 | 105.699 | N/A | N/A | 4.281 | AV |

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

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

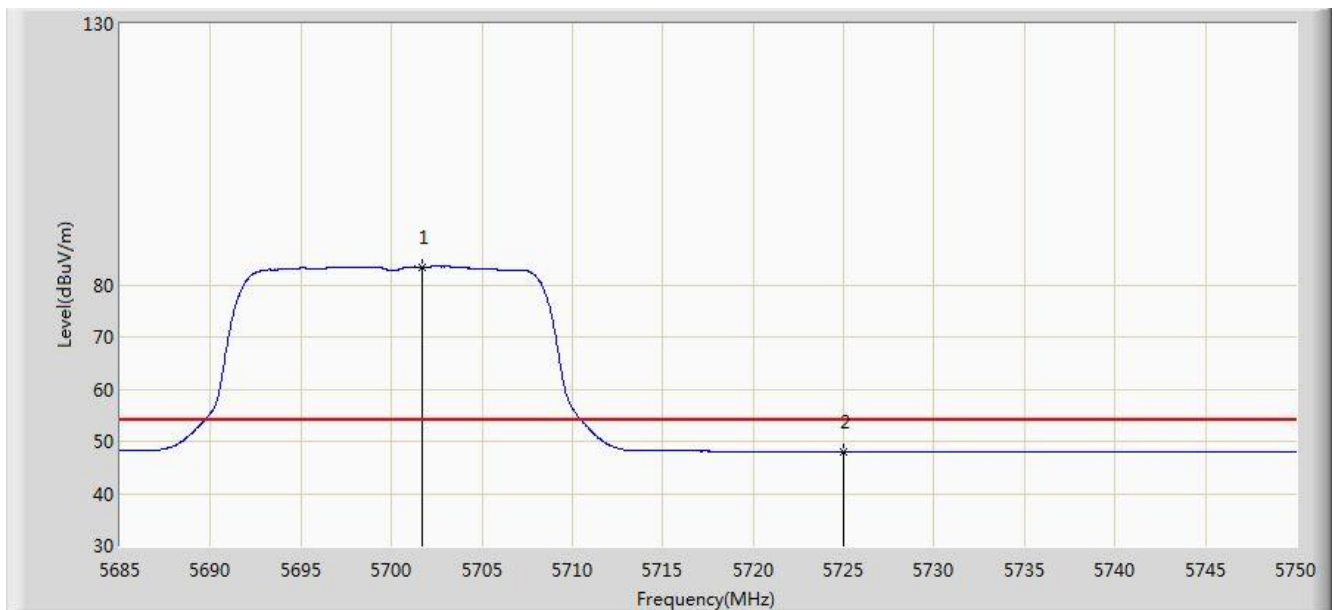| Site: AC1 | Time: 2016/11/14 - 20:28 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5700MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5702.518 | 96.984 | 92.092 | N/A | N/A | 4.891 | PK |
| 2 | | | 5725.000 | 61.100 | 56.071 | -12.900 | 74.000 | 5.029 | PK |

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

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

| Site: AC1 | Time: 2016/11/14 - 20:30 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5700MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5701.737 | 83.431 | 78.544 | N/A | N/A | 4.887 | AV |
| 2 | | | 5725.000 | 47.950 | 42.921 | -6.050 | 54.000 | 5.029 | AV |

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

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

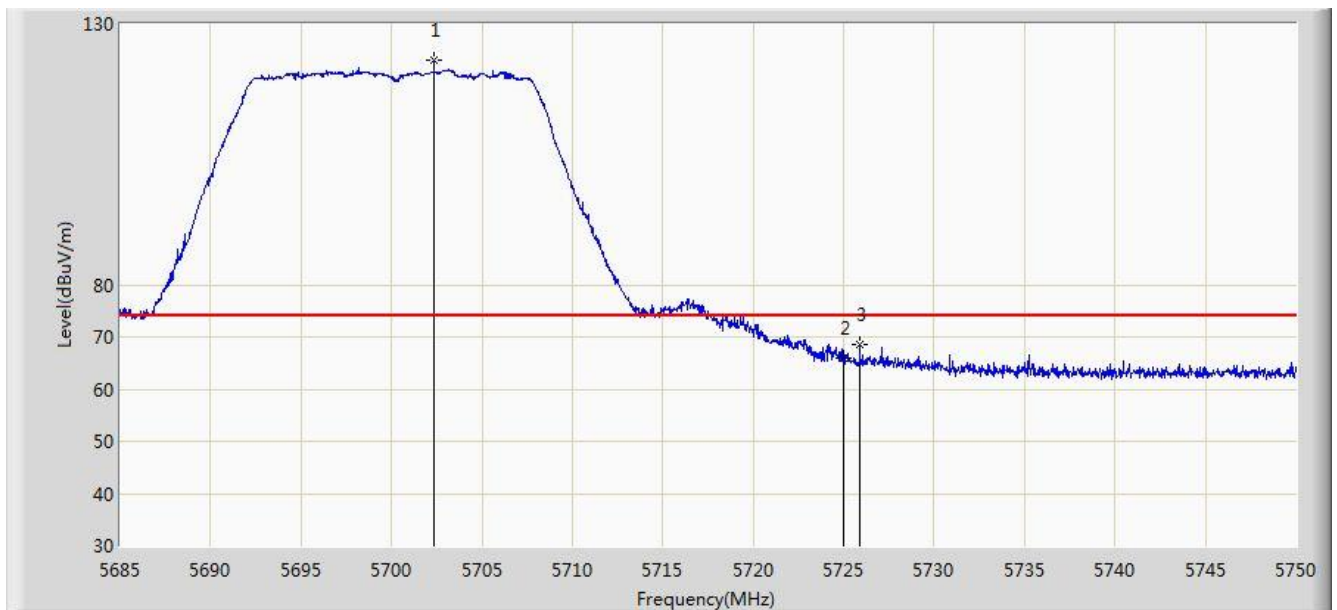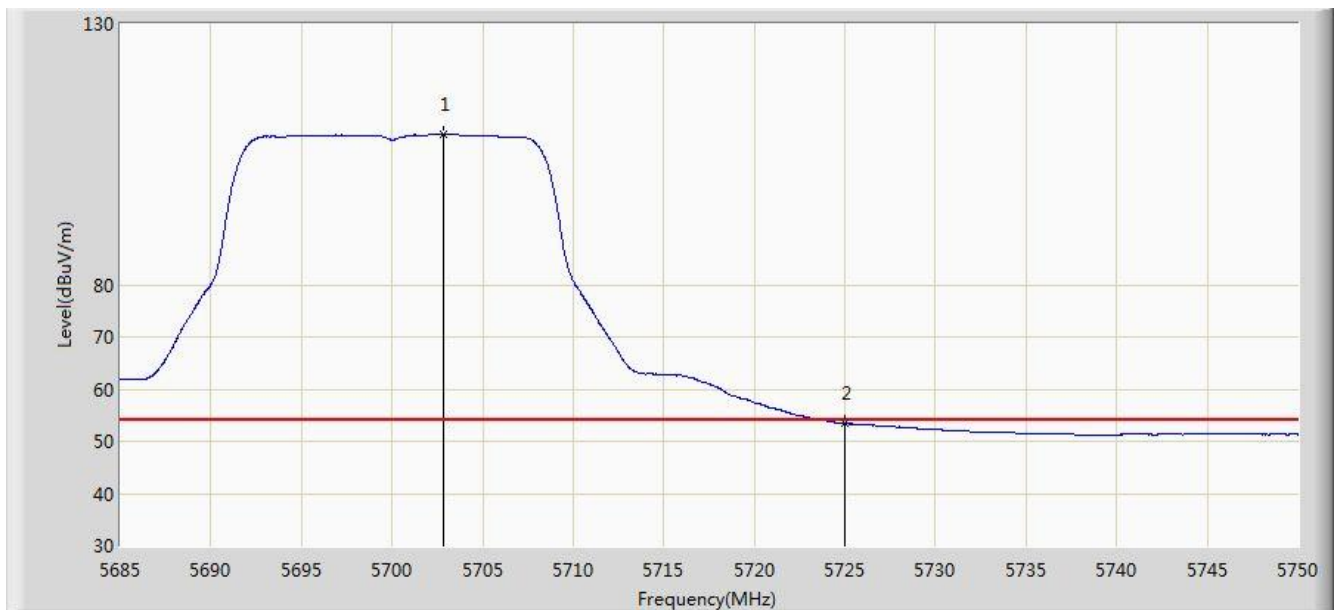| | |
|---|---|
| Site: AC1 | Time: 2016/11/14 - 20:27 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5700MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5702.355 | 123.027 | 118.136 | N/A | N/A | 4.891 | PK |
| 2 | | | 5725.000 | 65.846 | 60.817 | -8.154 | 74.000 | 5.029 | PK |
| 3 | | | 5725.885 | 68.666 | 63.631 | -5.334 | 74.000 | 5.036 | PK |

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

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

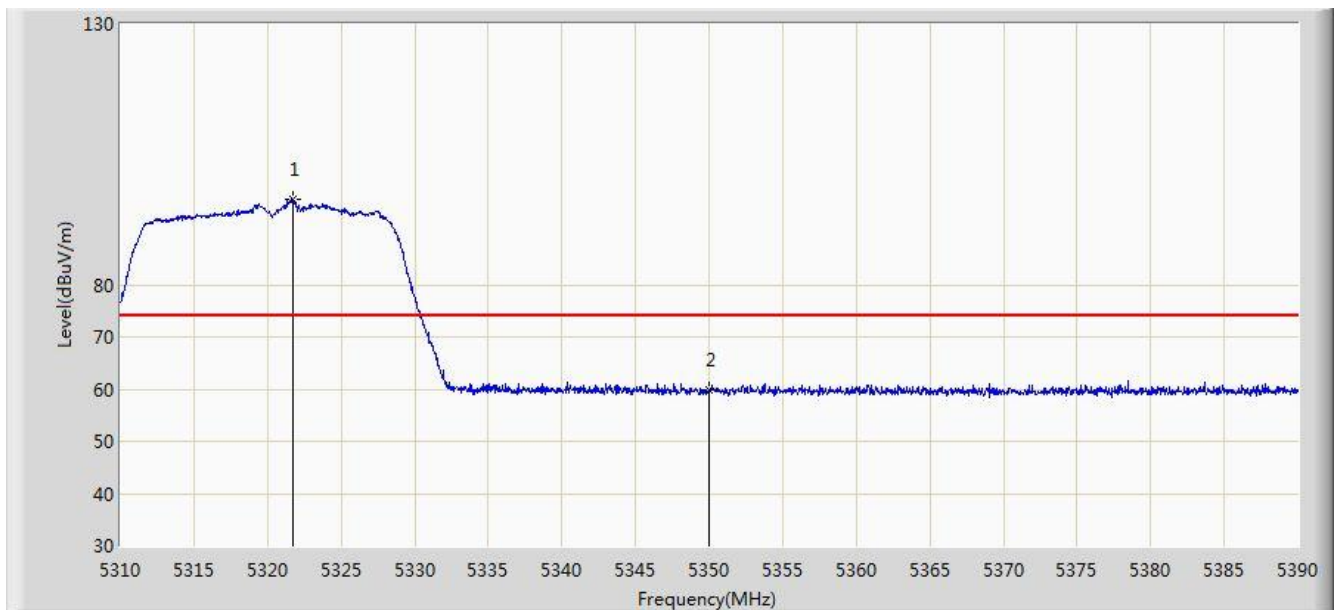| | |
|---|---|
| Site: AC1 | Time: 2016/11/14 - 20:27 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5700MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5702.842 | 108.926 | 104.033 | N/A | N/A | 4.893 | AV |
| 2 | | | 5725.000 | 53.412 | 48.383 | -0.588 | 54.000 | 5.029 | 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: 2016/11/14 - 21:03 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n20 at Channel 5320MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5321.680 | 96.342 | 92.490 | N/A | N/A | 3.852 | PK |
| 2 | | | 5350.000 | 59.839 | 55.934 | -14.161 | 74.000 | 3.904 | PK |

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

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

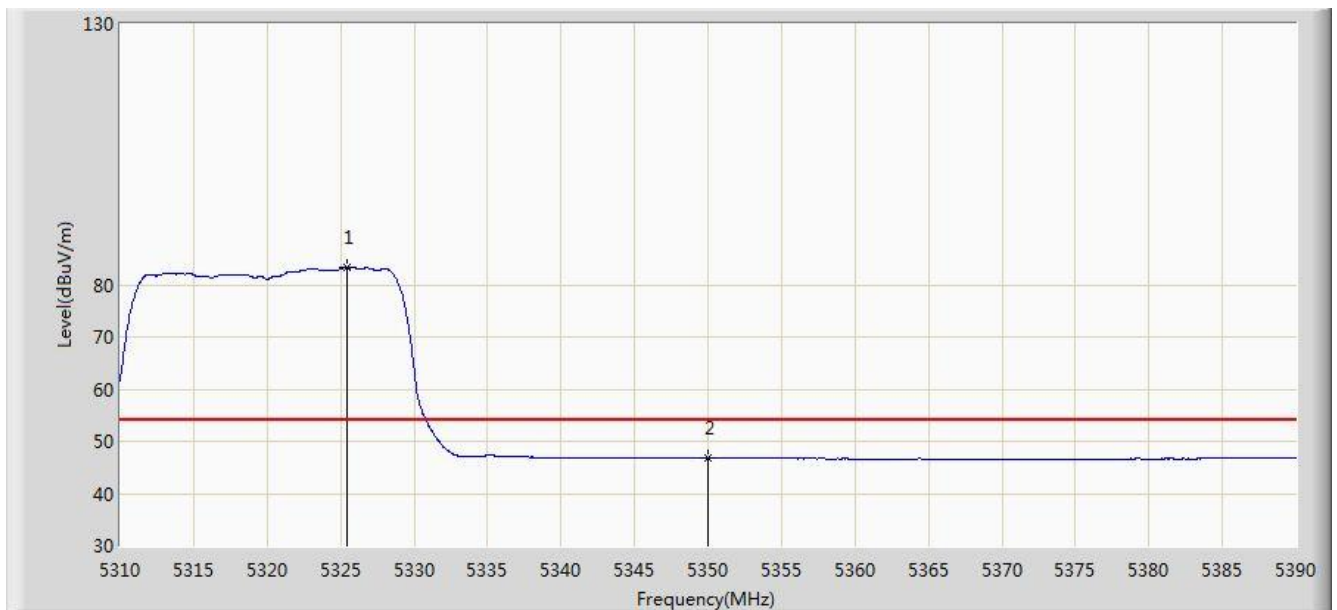| Site: AC1 | Time: 2016/11/14 - 21:05 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n20 at Channel 5320MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5325.440 | 83.274 | 79.415 | N/A | N/A | 3.860 | AV |
| 2 | | | 5350.000 | 46.740 | 42.835 | -7.260 | 54.000 | 3.904 | AV |

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

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

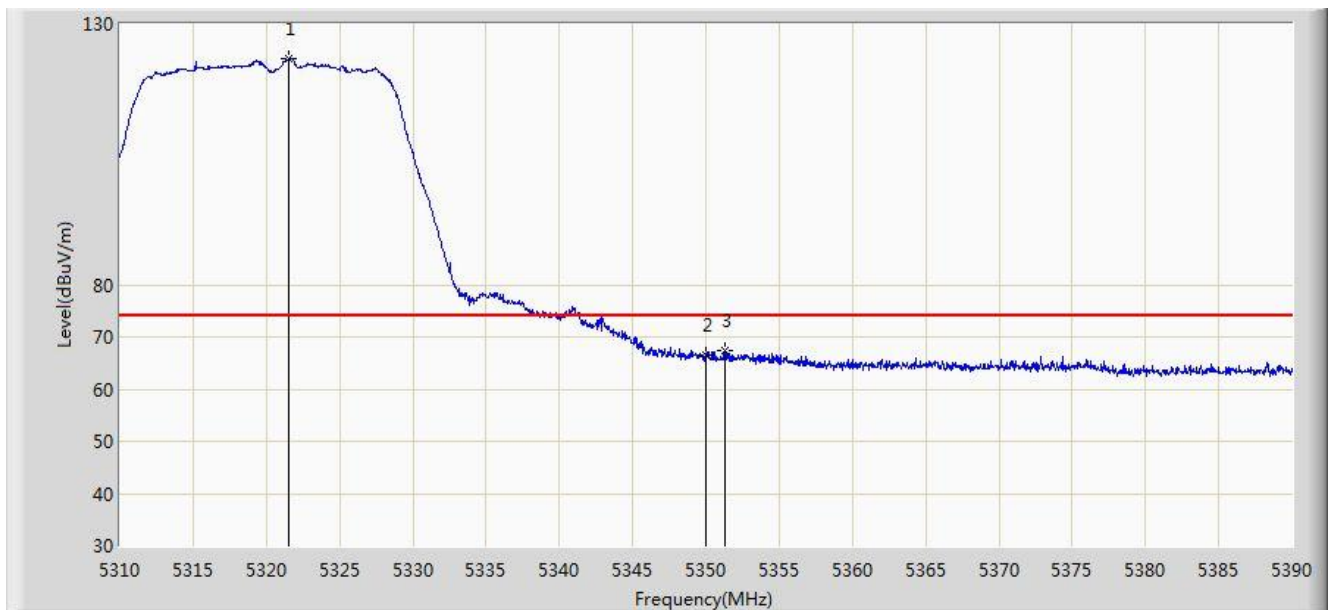| | |
|---|---|
| Site: AC1 | Time: 2016/11/14 - 21:02 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n20 at Channel 5320MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5321.520 | 123.473 | 119.622 | N/A | N/A | 3.851 | PK |
| 2 | | | 5350.000 | 66.442 | 62.537 | -7.558 | 74.000 | 3.904 | PK |
| 3 | | | 5351.280 | 67.443 | 63.536 | -6.557 | 74.000 | 3.907 | PK |

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

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

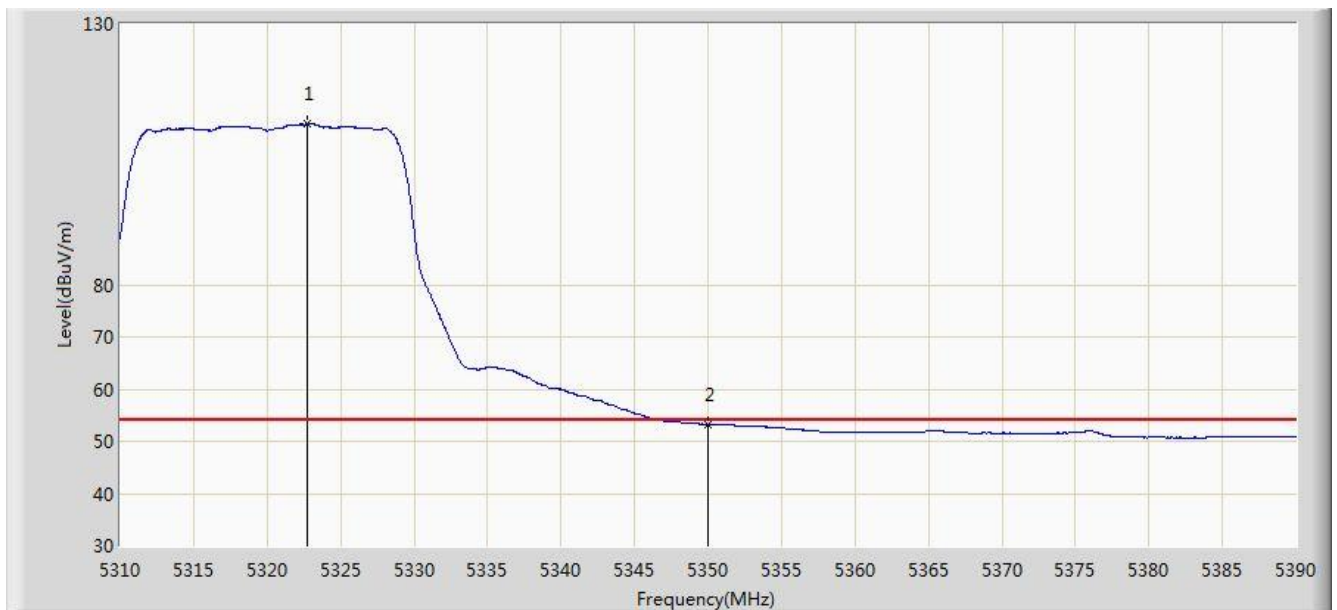| Site: AC1 | Time: 2016/11/14 - 20:58 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n20 at Channel 5320MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5322.760 | 110.735 | 106.881 | N/A | N/A | 3.854 | AV |
| 2 | | | 5350.000 | 53.304 | 49.399 | -0.696 | 54.000 | 3.904 | AV |

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

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

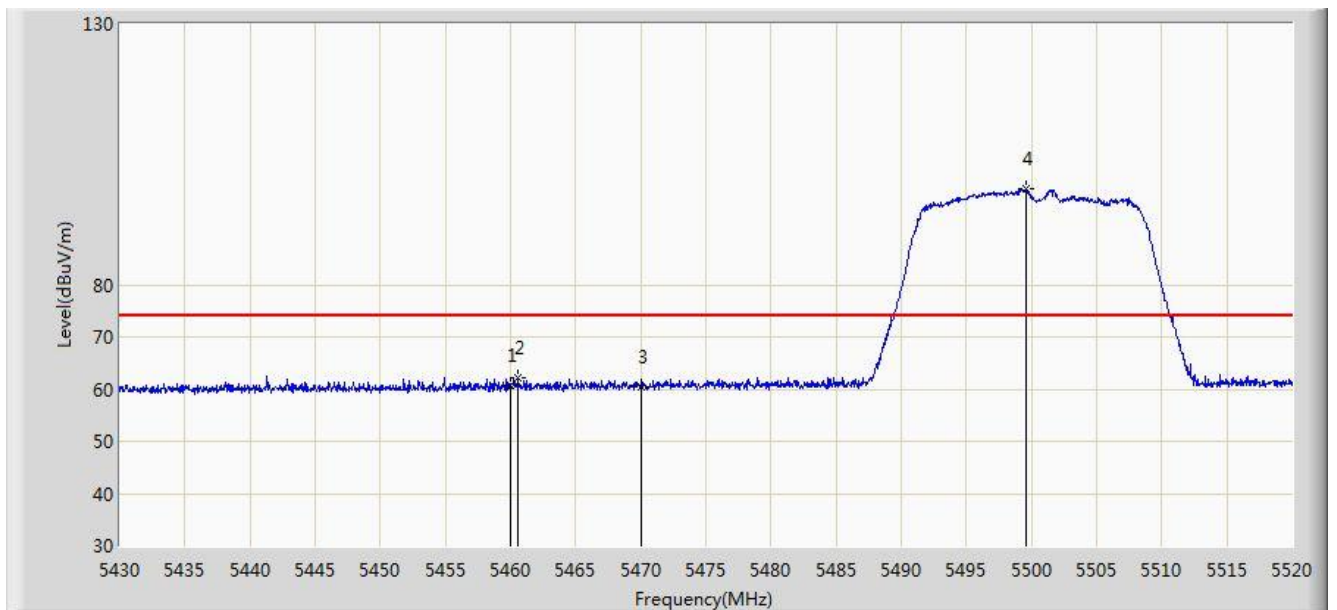| Site: AC1 | Time: 2016/11/14 - 21:11 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n20 at Channel 5500MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 60.740 | 56.560 | -13.260 | 74.000 | 4.180 | PK |
| 2 | | | 5460.600 | 62.231 | 58.049 | -11.769 | 74.000 | 4.181 | PK |
| 3 | | | 5470.000 | 60.522 | 56.320 | -13.478 | 74.000 | 4.202 | PK |
| 4 | | * | 5499.570 | 98.311 | 94.040 | N/A | N/A | 4.271 | PK |

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

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

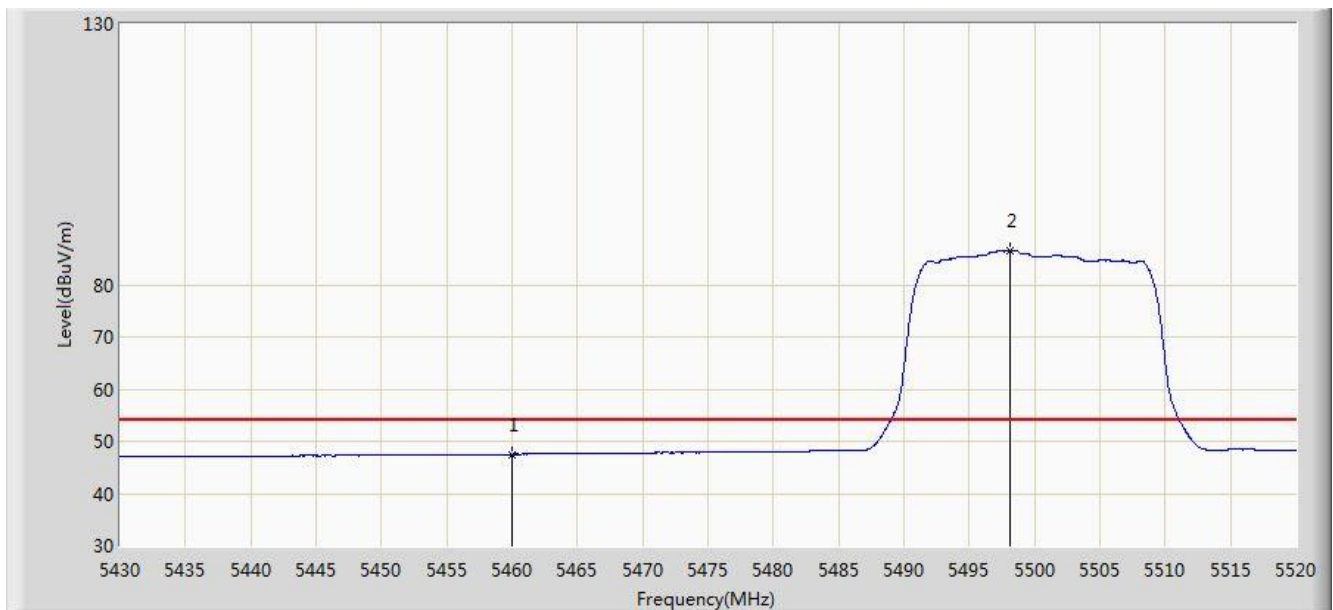| | |
|---|---|
| Site: AC1 | Time: 2016/11/14 - 21:13 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n20 at Channel 5500MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 47.523 | 43.343 | -6.477 | 54.000 | 4.180 | AV |
| 2 | | * | 5498.130 | 86.456 | 82.189 | N/A | N/A | 4.267 | AV |

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

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

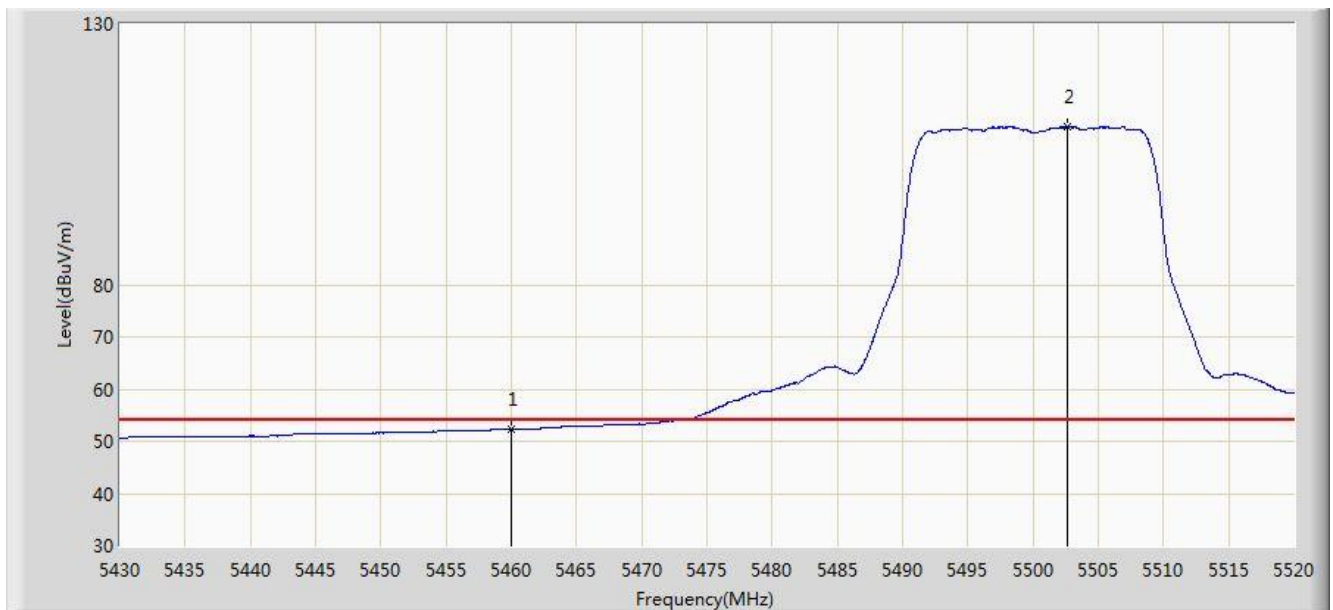| Site: AC1 | Time: 2016/11/14 - 21:10 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n20 at Channel 5500MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 52.380 | 48.200 | -1.620 | 54.000 | 4.180 | AV |
| 2 | | * | 5502.585 | 110.192 | 105.912 | N/A | N/A | 4.280 | AV |

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

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

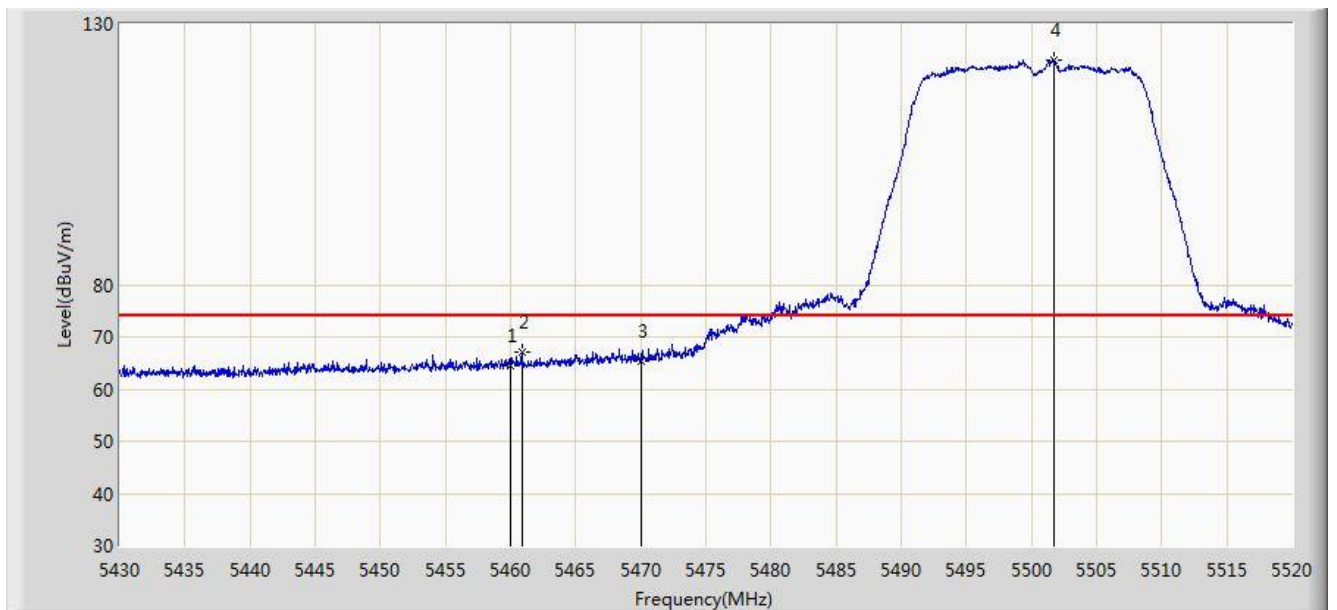| | |
|---|---|
| Site: AC1 | Time: 2016/11/14 - 21:07 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n20 at Channel 5500MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 64.562 | 60.382 | -9.438 | 74.000 | 4.180 | PK |
| 2 | | | 5460.870 | 67.117 | 62.935 | -6.883 | 74.000 | 4.183 | PK |
| 3 | | | 5470.000 | 65.310 | 61.108 | -8.690 | 74.000 | 4.202 | PK |
| 4 | | * | 5501.685 | 123.166 | 118.889 | N/A | N/A | 4.278 | PK |

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

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

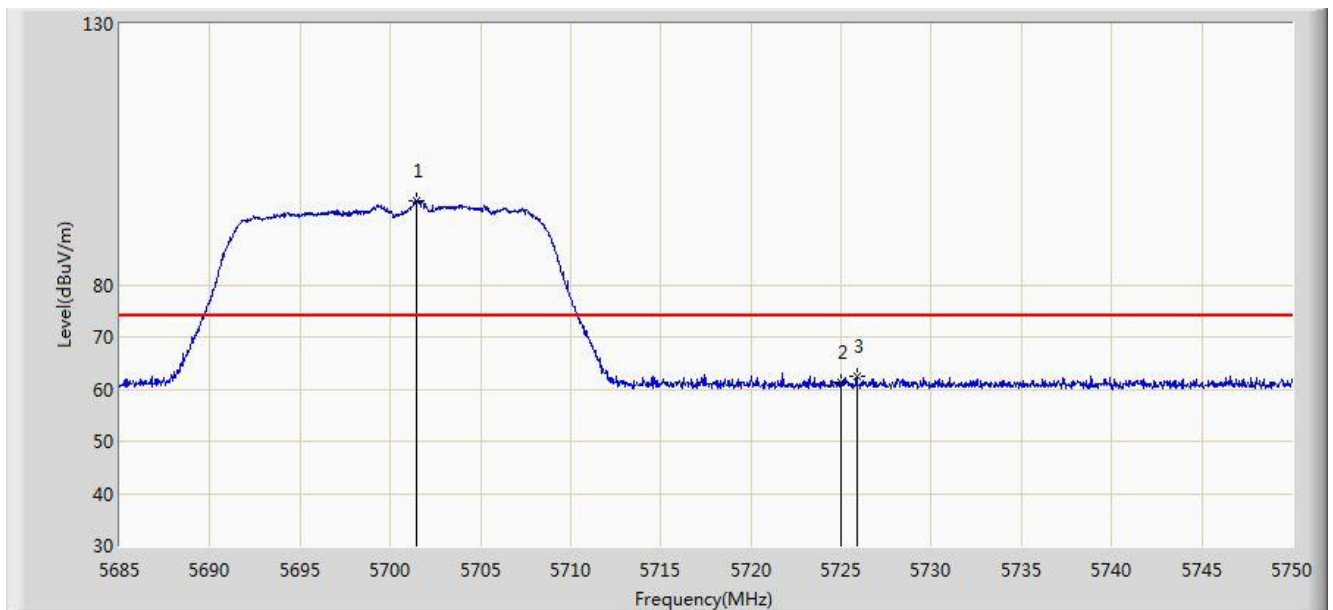| Site: AC1 | Time: 2016/11/14 - 21:19 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n20 at Channel 5700MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5701.413 | 96.027 | 91.141 | N/A | N/A | 4.886 | PK |
| 2 | | | 5725.000 | 61.248 | 56.219 | -12.752 | 74.000 | 5.029 | PK |
| 3 | | | 5725.853 | 62.442 | 57.408 | -11.558 | 74.000 | 5.035 | PK |

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

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

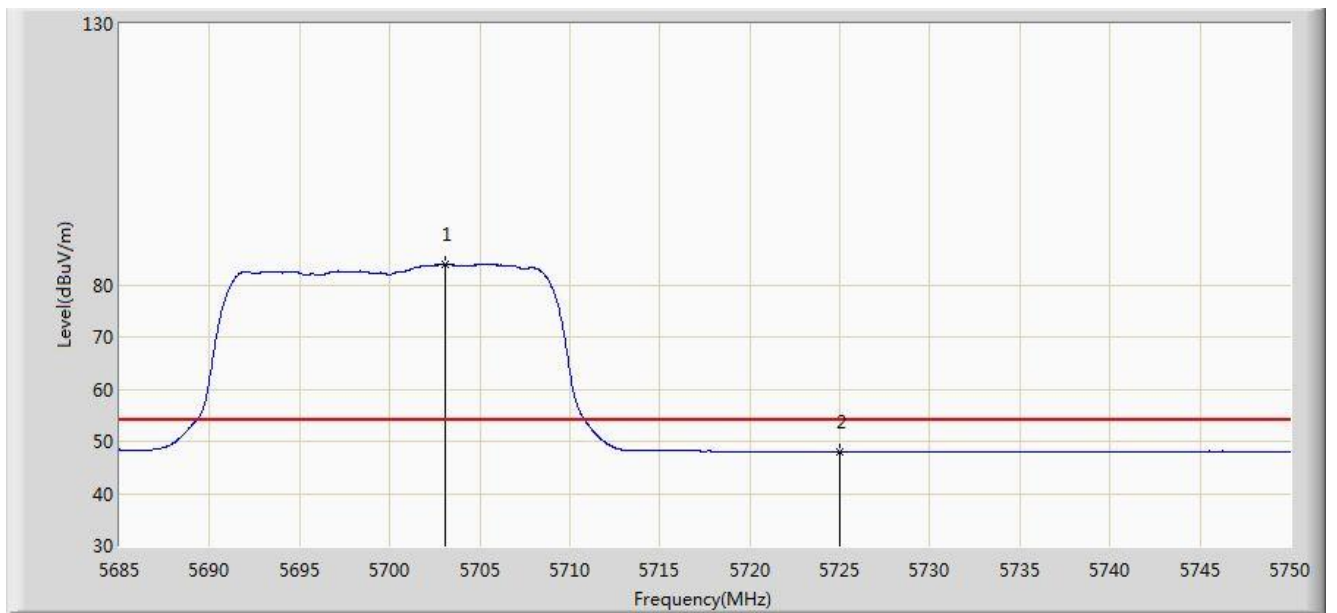| | |
|---|---|
| Site: AC1 | Time: 2016/11/14 - 21:20 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n20 at Channel 5700MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5703.070 | 83.928 | 79.033 | N/A | N/A | 4.895 | AV |
| 2 | | | 5725.000 | 48.025 | 42.996 | -5.975 | 54.000 | 5.029 | AV |

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

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

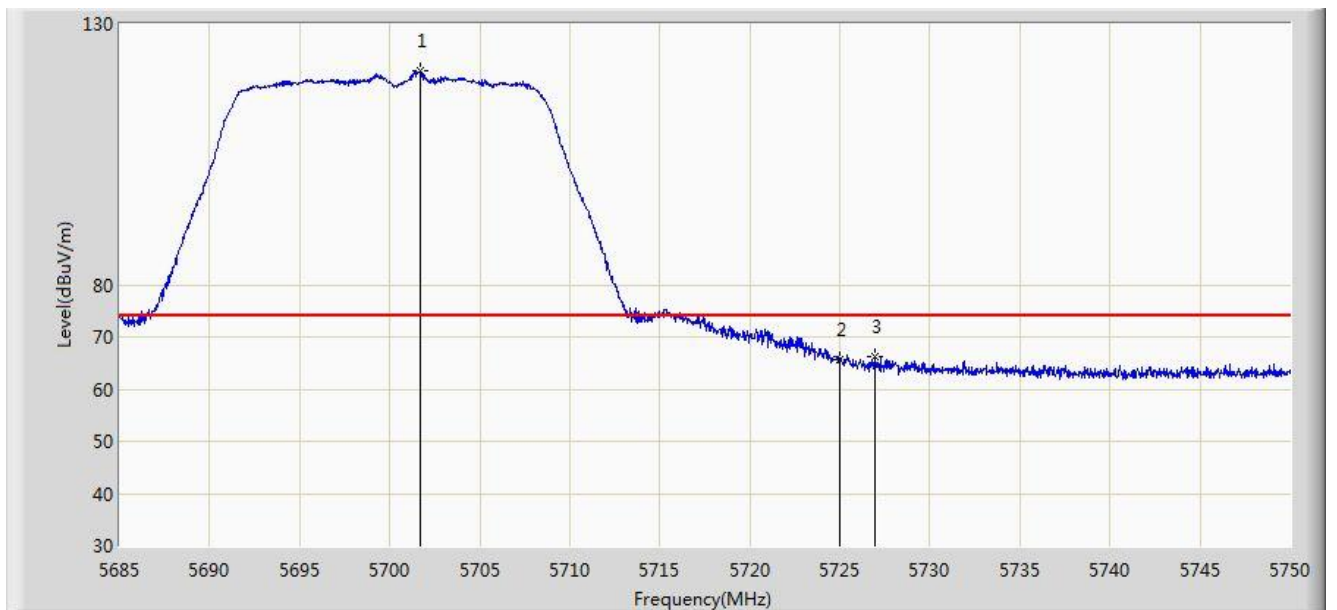| Site: AC1 | Time: 2016/11/14 - 21:18 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n20 at Channel 5700MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5701.672 | 120.908 | 116.021 | N/A | N/A | 4.887 | PK |
| 2 | | | 5725.000 | 65.792 | 60.763 | -8.208 | 74.000 | 5.029 | PK |
| 3 | | | 5726.925 | 66.366 | 61.325 | -7.634 | 74.000 | 5.040 | PK |

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

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

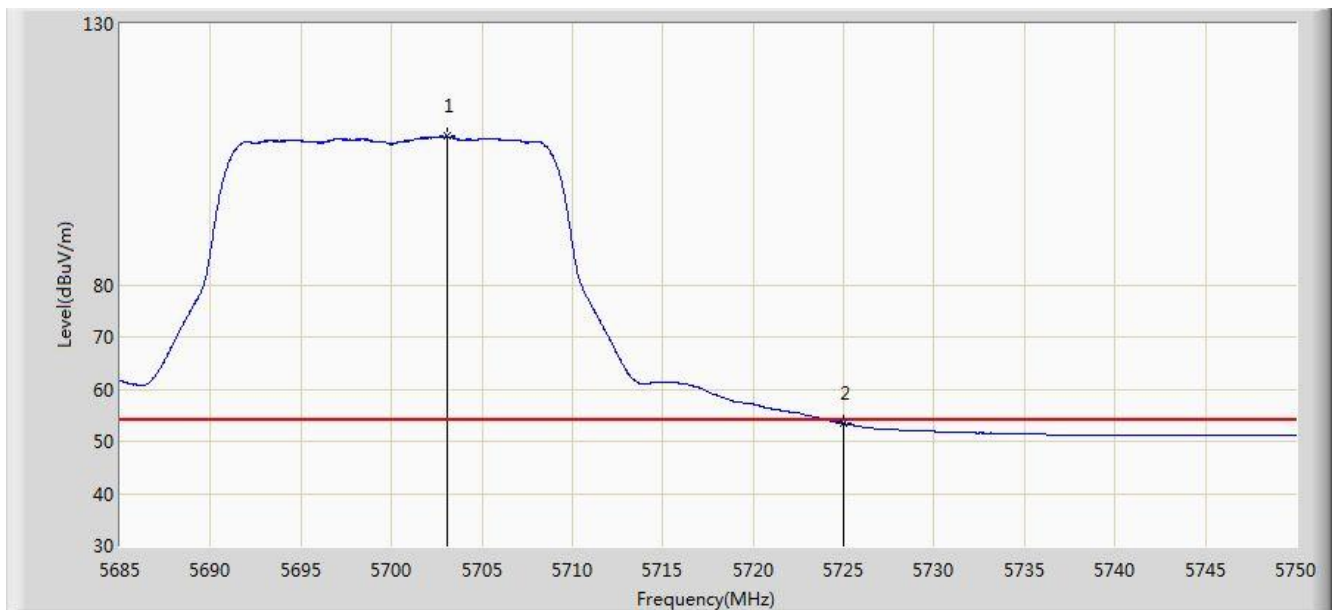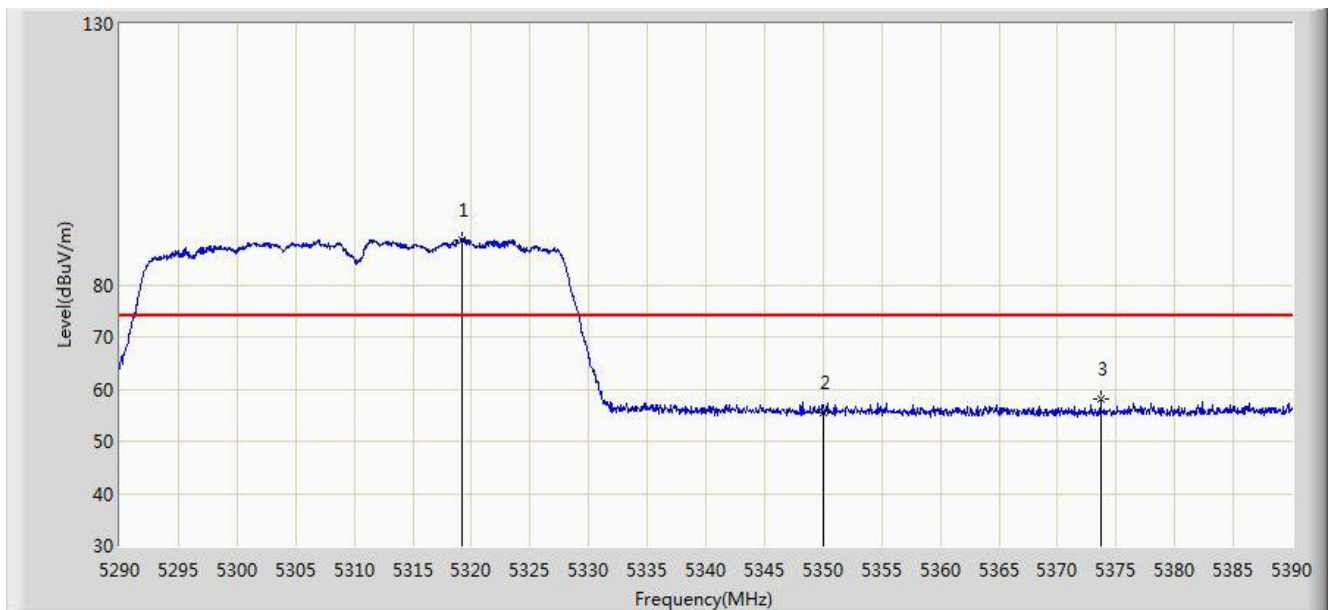| Site: AC1 | Time: 2016/11/14 - 21:17 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n20 at Channel 5700MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5703.070 | 108.418 | 103.523 | N/A | N/A | 4.895 | AV |
| 2 | | | 5725.000 | 53.442 | 48.413 | -0.558 | 54.000 | 5.029 | 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: 2016/11/14 - 22:13 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n40 at Channel 5310MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5319.250 | 88.671 | 84.824 | N/A | N/A | 3.847 | PK |
| 2 | | | 5350.000 | 55.483 | 51.578 | -18.517 | 74.000 | 3.904 | PK |
| 3 | | | 5373.700 | 58.189 | 54.241 | -15.811 | 74.000 | 3.948 | PK |

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

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

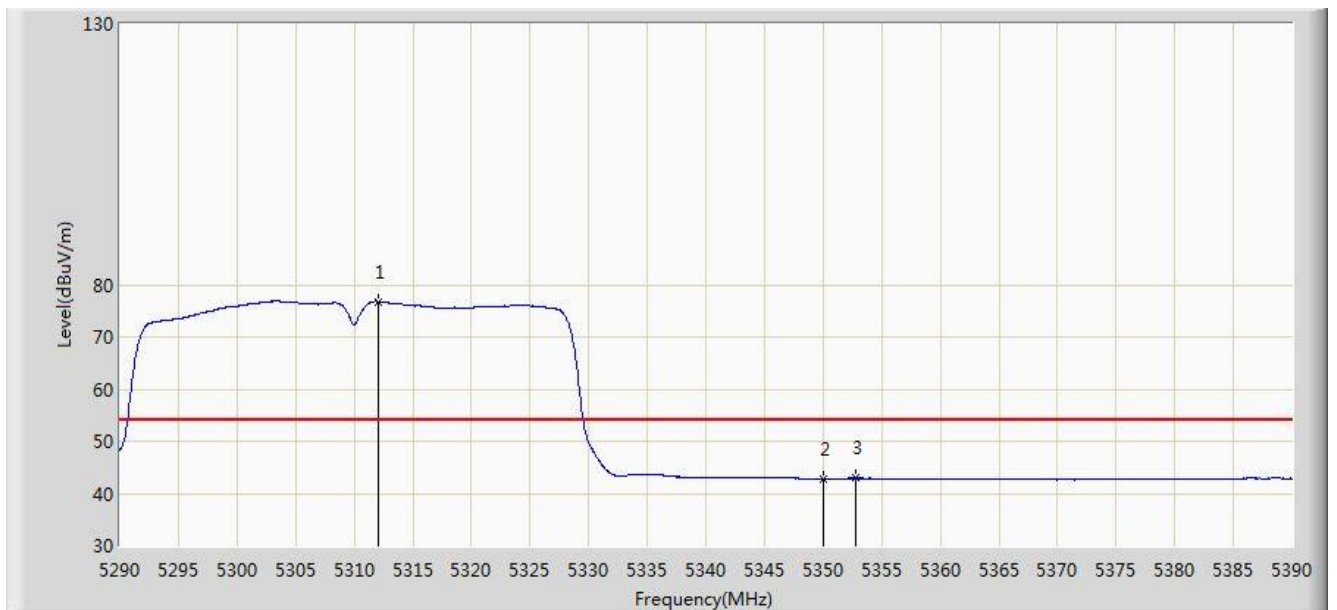| Site: AC1 | Time: 2016/11/14 - 22:16 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n40 at Channel 5310MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5312.050 | 76.764 | 72.930 | N/A | N/A | 3.834 | AV |
| 2 | | | 5350.000 | 42.839 | 38.934 | -11.161 | 54.000 | 3.904 | AV |
| 3 | | | 5352.800 | 42.901 | 38.991 | -11.099 | 54.000 | 3.910 | AV |

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

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

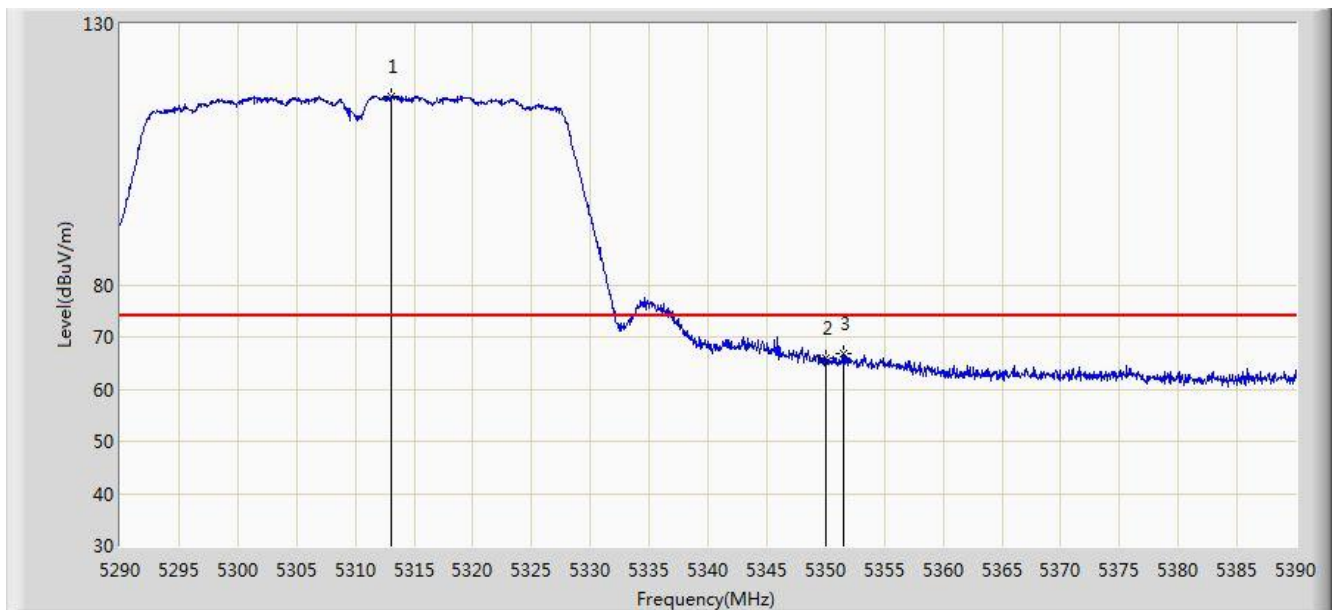| | |
|---|---|
| Site: AC1 | Time: 2016/11/14 - 22:12 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n40 at Channel 5310MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5313.100 | 116.210 | 112.374 | N/A | N/A | 3.836 | PK |
| 2 | | | 5350.000 | 65.932 | 62.027 | -8.068 | 74.000 | 3.904 | PK |
| 3 | | | 5351.500 | 66.863 | 62.956 | -7.137 | 74.000 | 3.908 | PK |

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

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

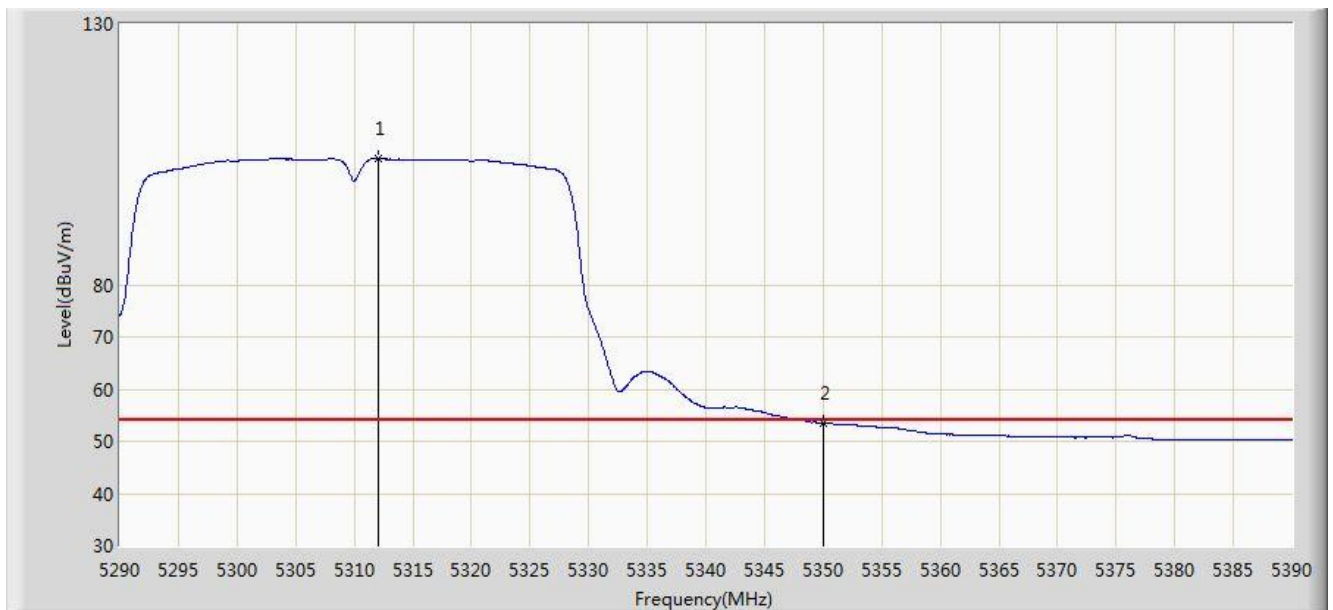| Site: AC1 | Time: 2016/11/14 - 22:09 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n40 at Channel 5310MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5312.050 | 104.198 | 100.364 | N/A | N/A | 3.834 | AV |
| 2 | | | 5350.000 | 53.491 | 49.586 | -0.509 | 54.000 | 3.904 | AV |

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

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

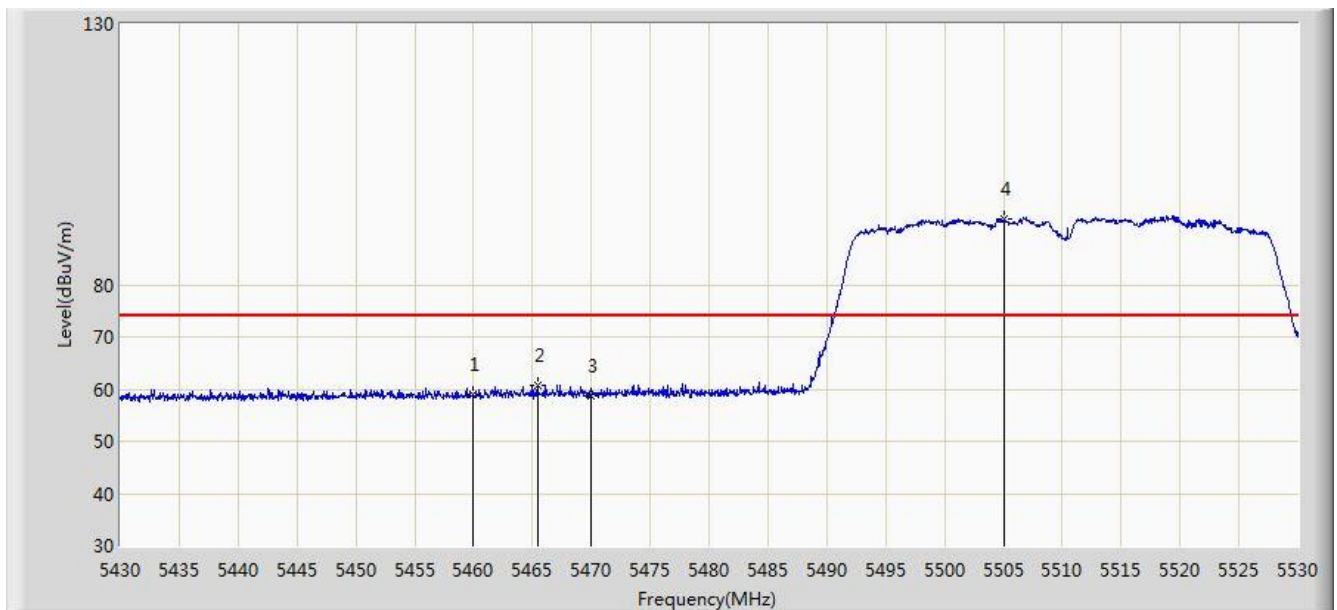| Site: AC1 | Time: 2016/11/14 - 22:29 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n40 at Channel 5510MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 58.868 | 54.688 | -15.132 | 74.000 | 4.180 | PK |
| 2 | | | 5465.450 | 60.594 | 56.402 | -13.406 | 74.000 | 4.192 | PK |
| 3 | | | 5470.000 | 58.801 | 54.599 | -15.199 | 74.000 | 4.202 | PK |
| 4 | | * | 5505.000 | 92.626 | 88.339 | N/A | N/A | 4.286 | PK |

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

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

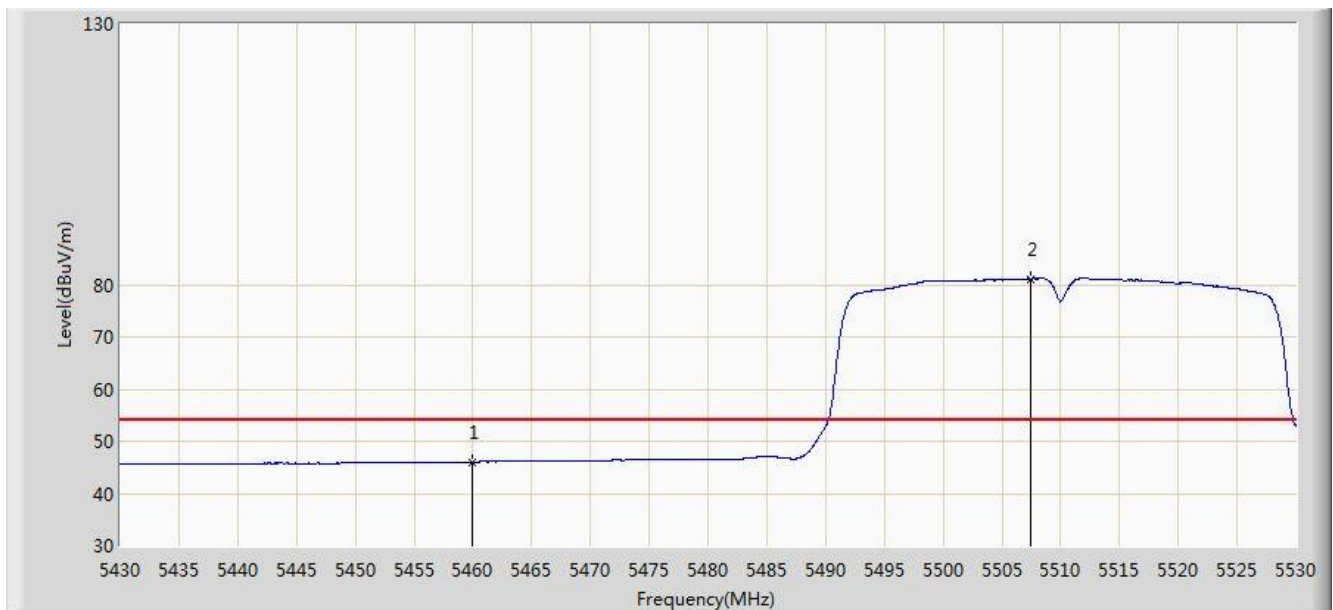| Site: AC1 | Time: 2016/11/14 - 22:31 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n40 at Channel 5510MHz Ant 0 ||



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 46.039 | 41.859 | -7.961 | 54.000 | 4.180 | AV |
| 2 | | * | 5507.400 | 81.150 | 76.856 | N/A | N/A | 4.293 | AV |

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

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

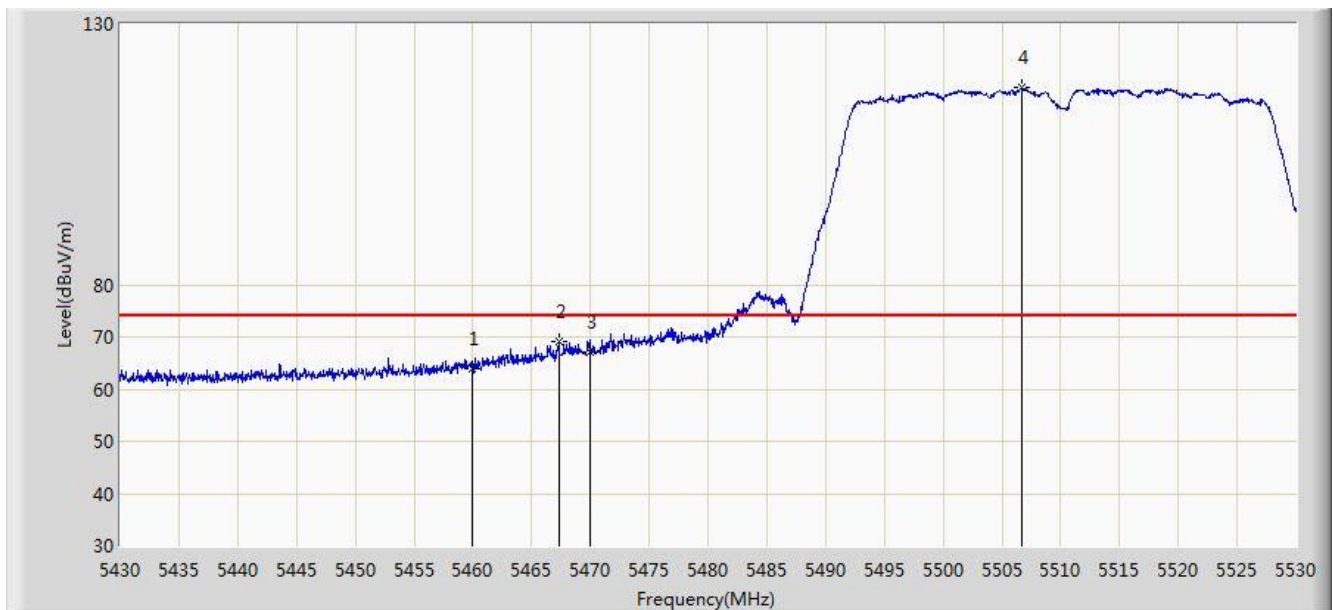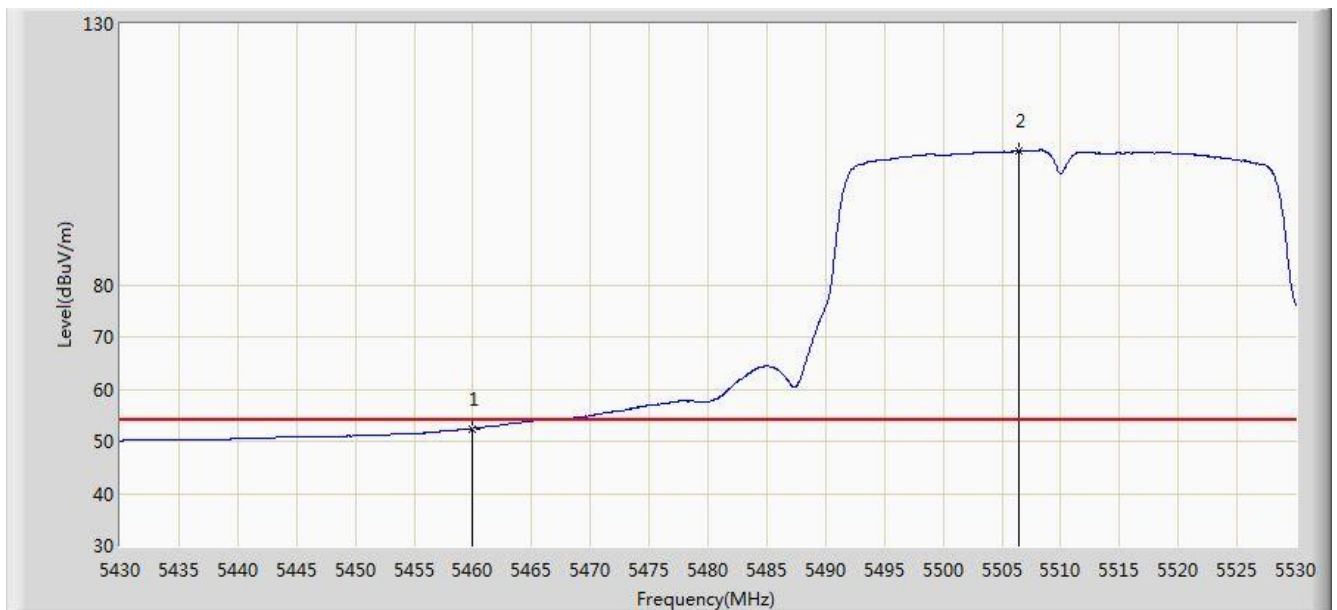| Site: AC1 | Time: 2016/11/14 - 22:27 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n40 at Channel 5510MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 63.814 | 59.634 | -10.186 | 74.000 | 4.180 | PK |
| 2 | | | 5467.350 | 69.089 | 64.893 | -4.911 | 74.000 | 4.196 | PK |
| 3 | | | 5470.000 | 67.140 | 62.938 | -6.860 | 74.000 | 4.202 | PK |
| 4 | | * | 5506.750 | 117.717 | 113.425 | N/A | N/A | 4.292 | PK |

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

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

| Site: AC1 | Time: 2016/11/14 - 22:28 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n40 at Channel 5510MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 52.456 | 48.276 | -1.544 | 54.000 | 4.180 | AV |
| 2 | | * | 5506.450 | 105.639 | 101.348 | N/A | N/A | 4.291 | AV |

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

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

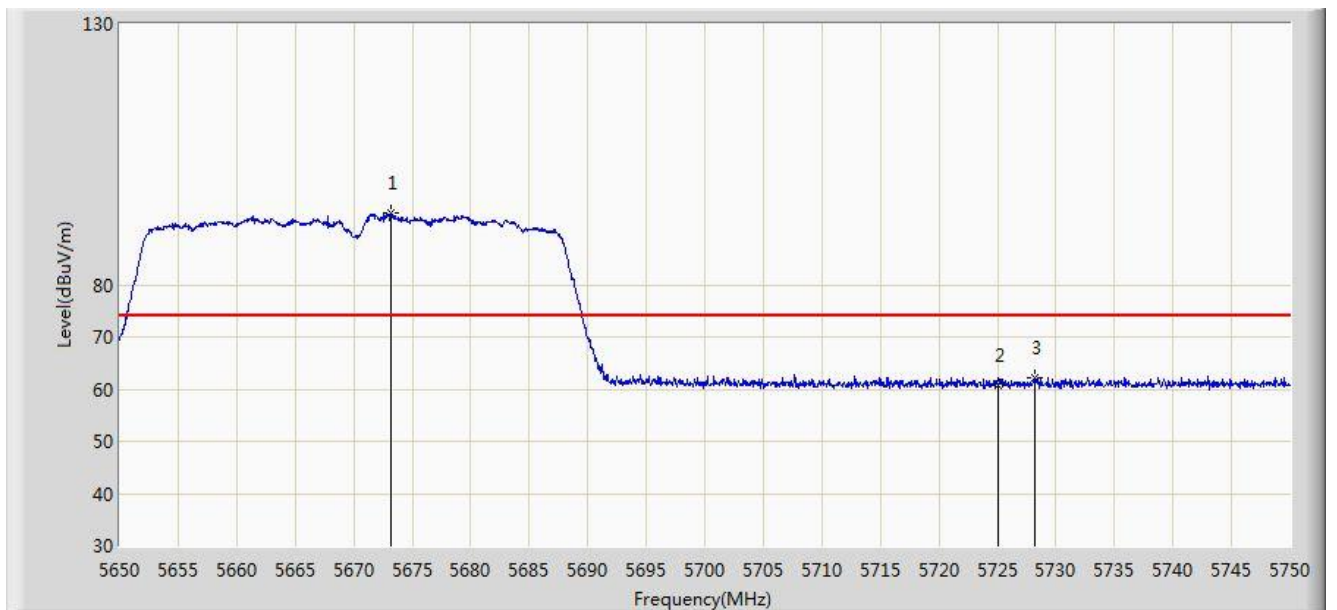| Site: AC1 | Time: 2016/11/14 - 22:40 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n40 at Channel 5670MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5673.200 | 93.652 | 88.892 | N/A | N/A | 4.760 | PK |
| 2 | | | 5725.000 | 60.647 | 55.618 | -13.353 | 74.000 | 5.029 | PK |
| 3 | | | 5728.150 | 62.253 | 57.204 | -11.747 | 74.000 | 5.049 | PK |

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

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

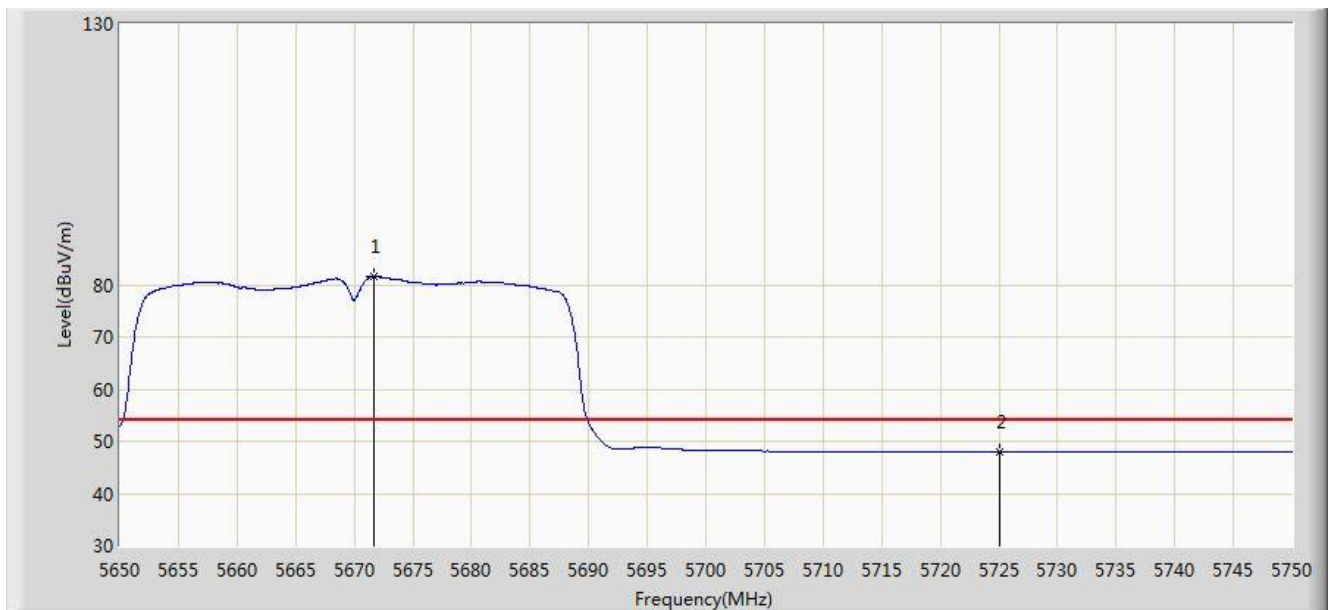| Site: AC1 | Time: 2016/11/14 - 22:42 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n40 at Channel 5670MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5671.700 | 81.502 | 76.748 | N/A | N/A | 4.754 | AV |
| 2 | | | 5725.000 | 48.008 | 42.979 | -5.992 | 54.000 | 5.029 | AV |

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

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

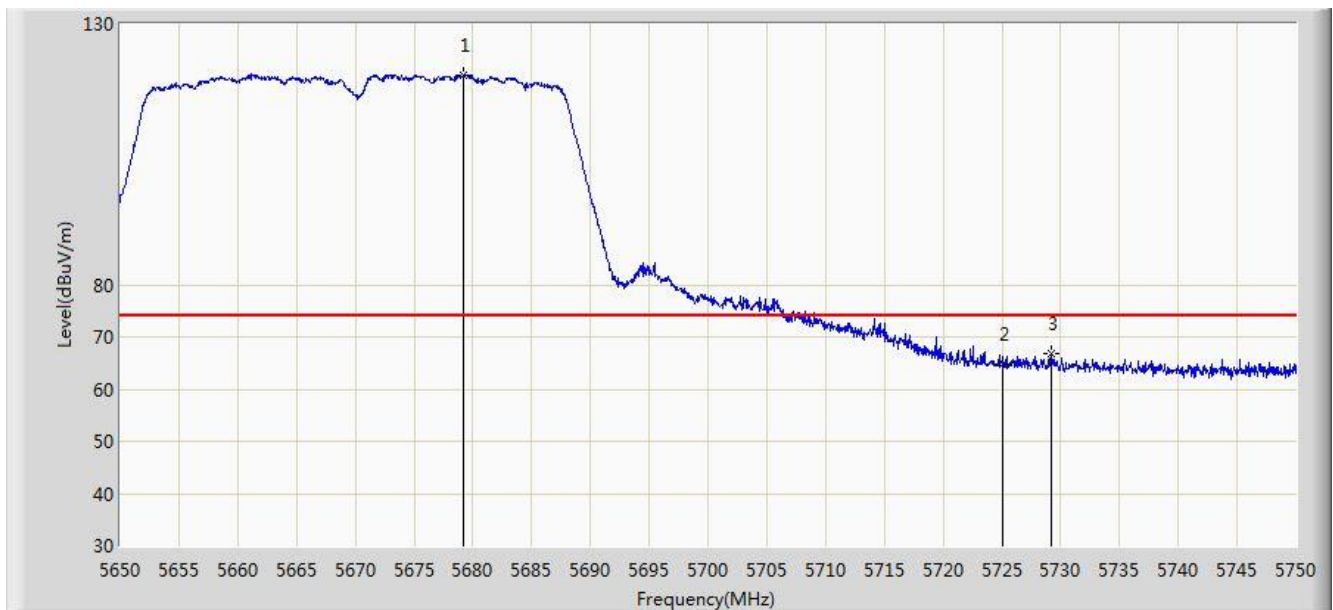| Site: AC1 | Time: 2016/11/14 - 22:40 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n40 at Channel 5670MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5679.200 | 120.007 | 115.223 | N/A | N/A | 4.785 | PK |
| 2 | | | 5725.000 | 64.673 | 59.644 | -9.327 | 74.000 | 5.029 | PK |
| 3 | | | 5729.150 | 66.815 | 61.760 | -7.185 | 74.000 | 5.055 | PK |

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

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

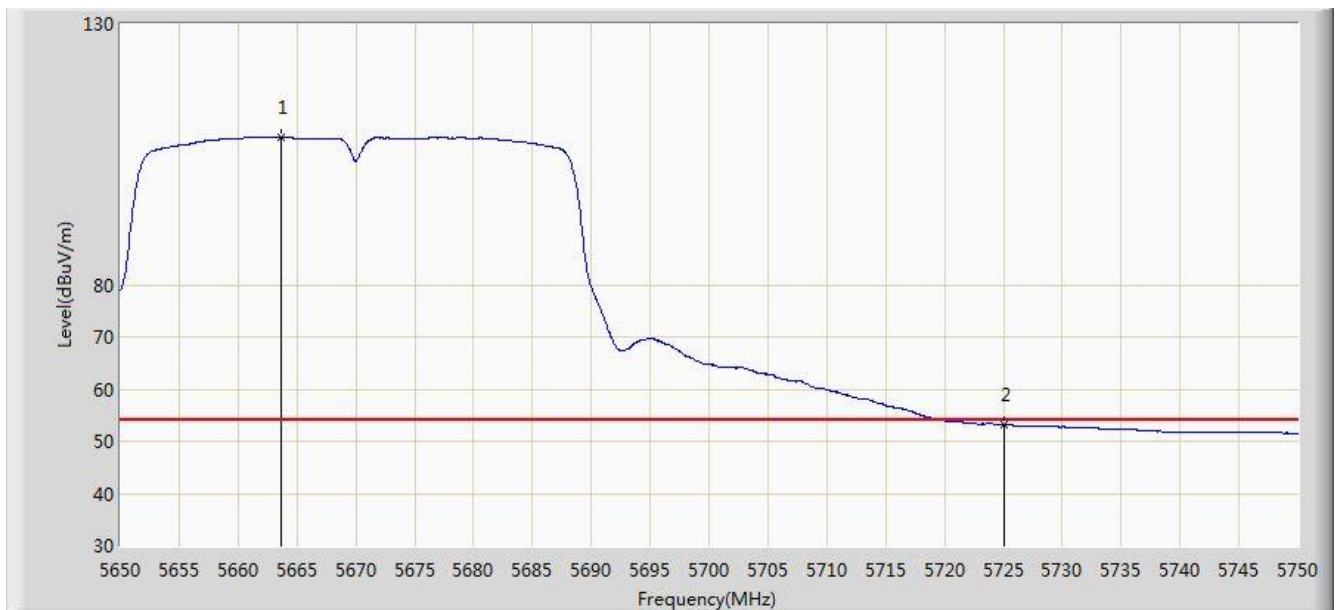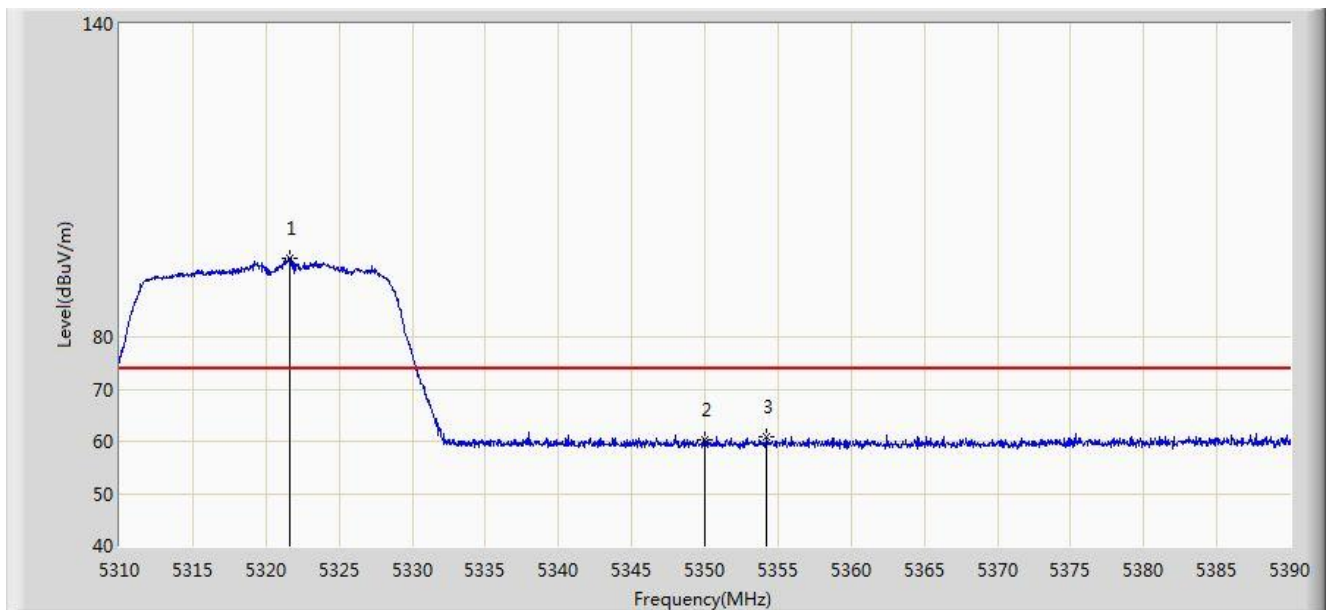| Site: AC1 | Time: 2016/11/14 - 22:35 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n40 at Channel 5670MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5663.650 | 108.326 | 103.604 | N/A | N/A | 4.722 | AV |
| 2 | | | 5725.000 | 53.213 | 48.184 | -0.787 | 54.000 | 5.029 | 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: 2016/11/14 - 23:20 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5321.640 | 95.012 | 91.160 | N/A | N/A | 3.852 | PK |
| 2 | | | 5350.000 | 60.150 | 56.245 | -13.850 | 74.000 | 3.904 | PK |
| 3 | | | 5354.200 | 60.966 | 57.054 | -13.034 | 74.000 | 3.913 | PK |

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

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

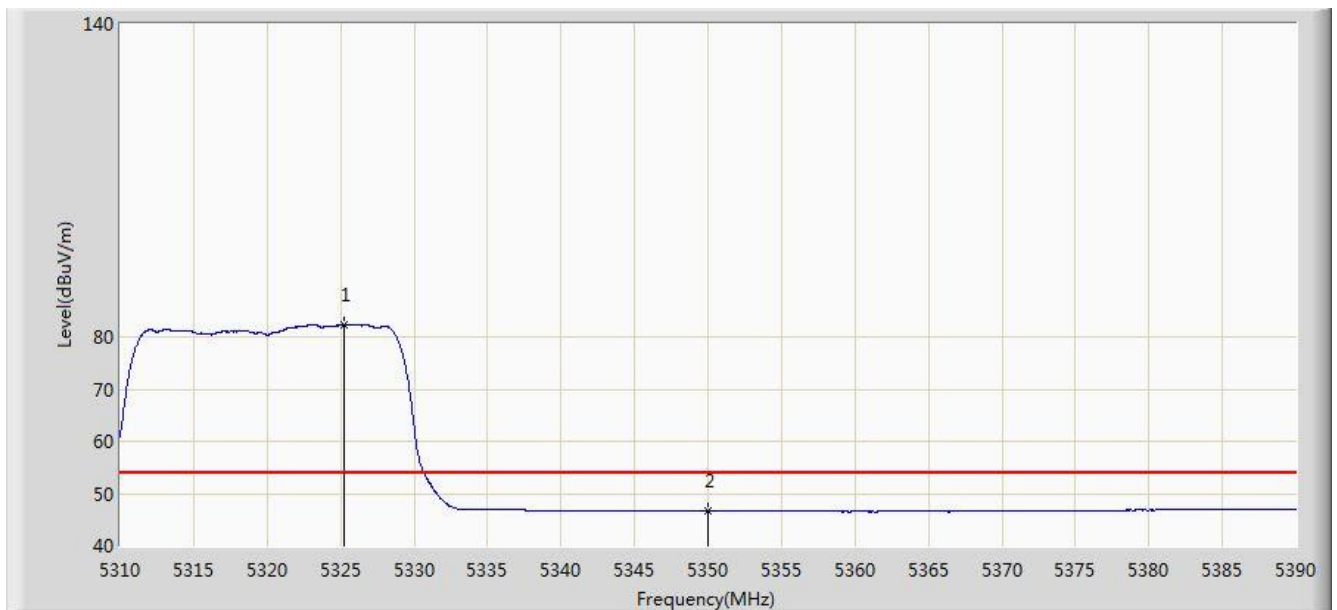| Site: AC1 | Time: 2016/11/14 - 23:22 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5325.200 | 82.413 | 78.555 | N/A | N/A | 3.859 | AV |
| 2 | | | 5350.000 | 46.602 | 42.697 | -7.398 | 54.000 | 3.904 | AV |

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

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

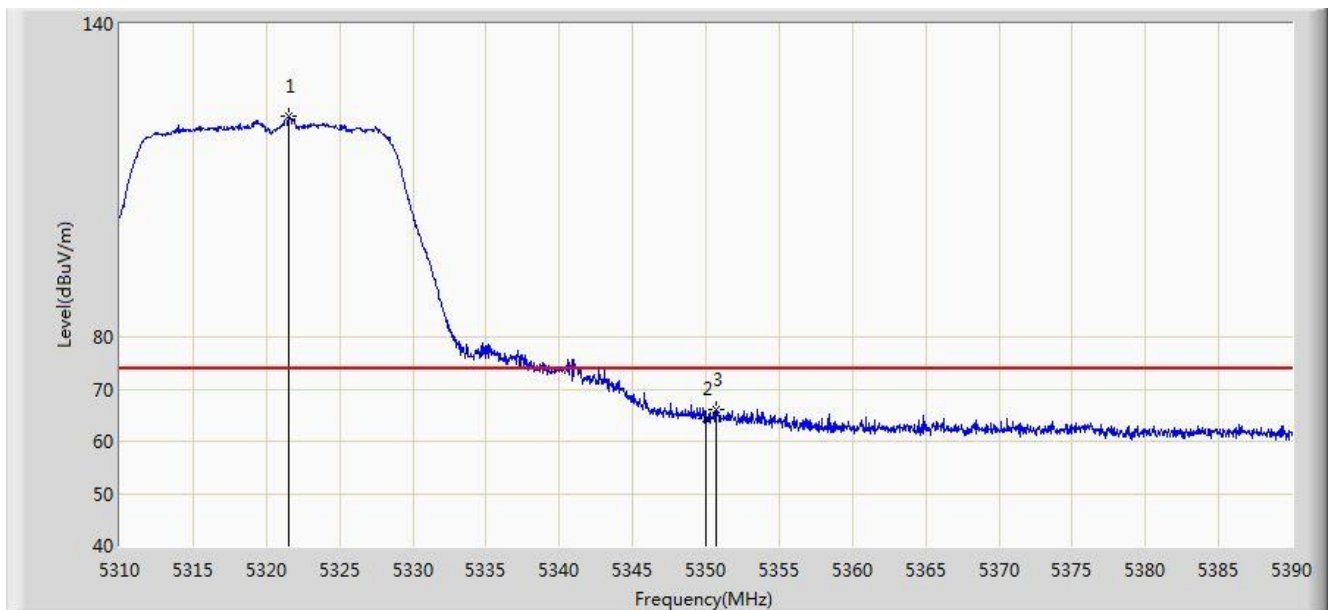| Site: AC1 | Time: 2016/11/14 - 23:20 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5321.560 | 122.181 | 118.329 | N/A | N/A | 3.851 | PK |
| 2 | | | 5350.000 | 64.423 | 60.518 | -9.577 | 74.000 | 3.904 | PK |
| 3 | | | 5350.720 | 65.943 | 62.037 | -8.057 | 74.000 | 3.906 | PK |

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

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

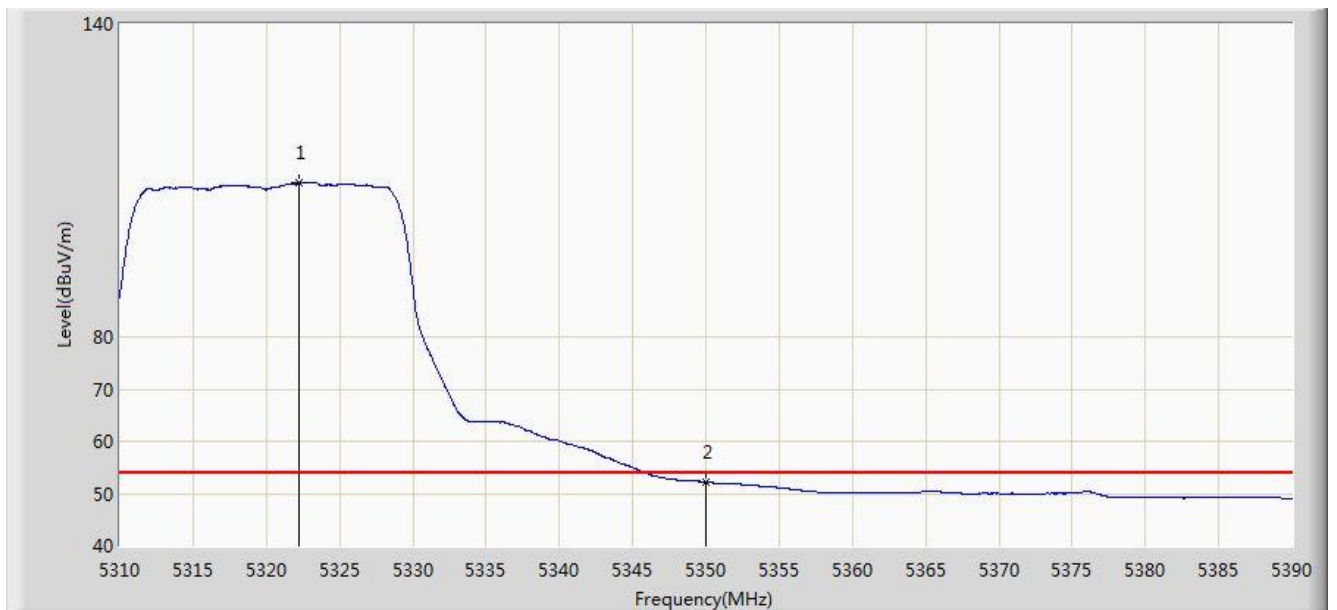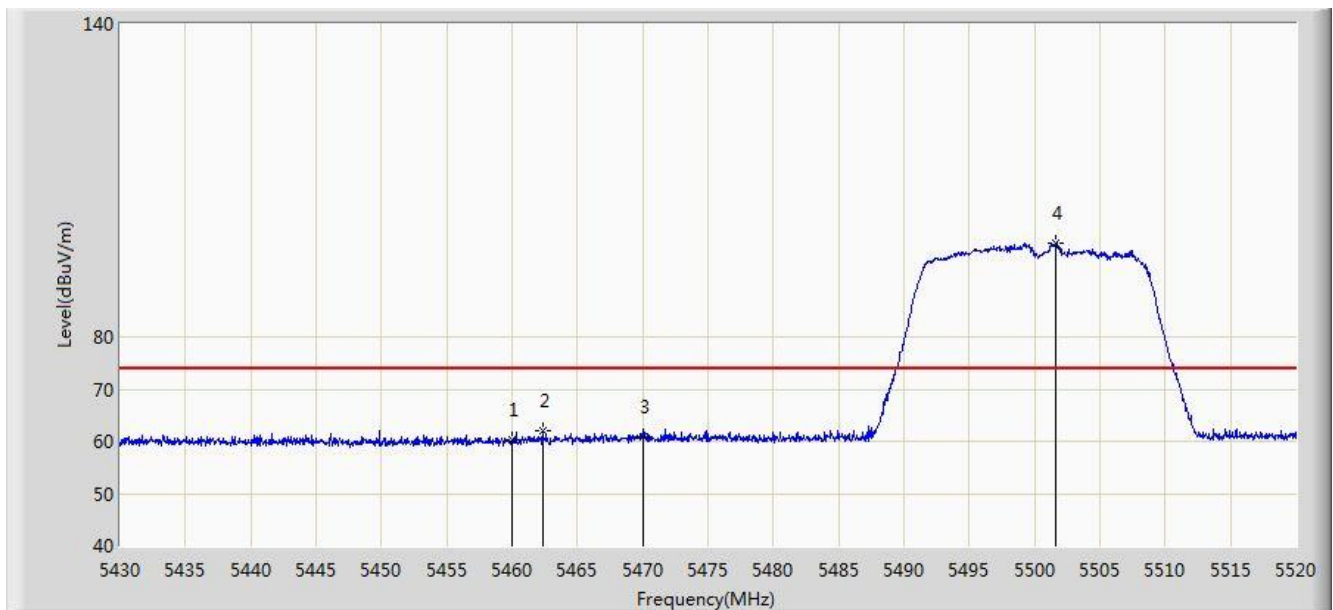| Site: AC1 | Time: 2016/11/14 - 23:16 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5322.280 | 109.516 | 105.663 | N/A | N/A | 3.853 | AV |
| 2 | | | 5350.000 | 52.179 | 48.274 | -1.821 | 54.000 | 3.904 | 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: 2016/11/14 - 23:29 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 60.303 | 56.123 | -13.697 | 74.000 | 4.180 | PK |
| 2 | | | 5462.355 | 62.038 | 57.853 | -11.962 | 74.000 | 4.185 | PK |
| 3 | | | 5470.000 | 60.750 | 56.548 | -13.250 | 74.000 | 4.202 | PK |
| 4 | | * | 5501.595 | 98.034 | 93.757 | N/A | N/A | 4.277 | PK |

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

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

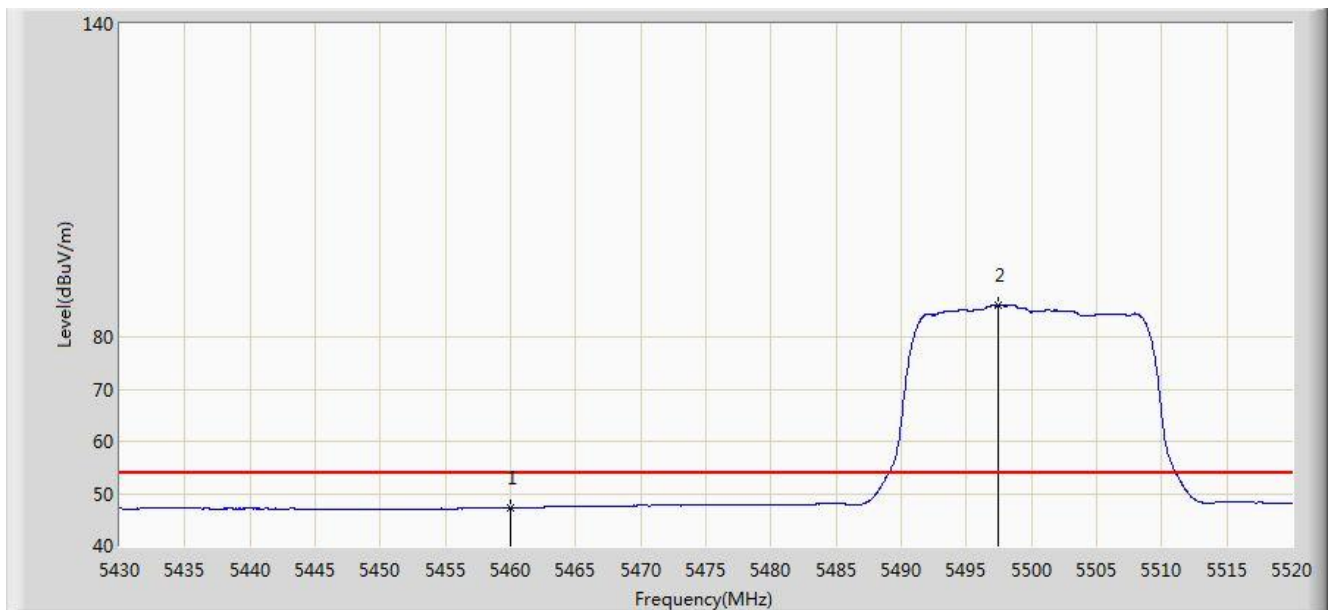| Site: AC1 | Time: 2016/11/14 - 23:31 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 47.228 | 43.048 | -6.772 | 54.000 | 4.180 | AV |
| 2 | | * | 5497.410 | 85.972 | 81.707 | N/A | N/A | 4.264 | AV |

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

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

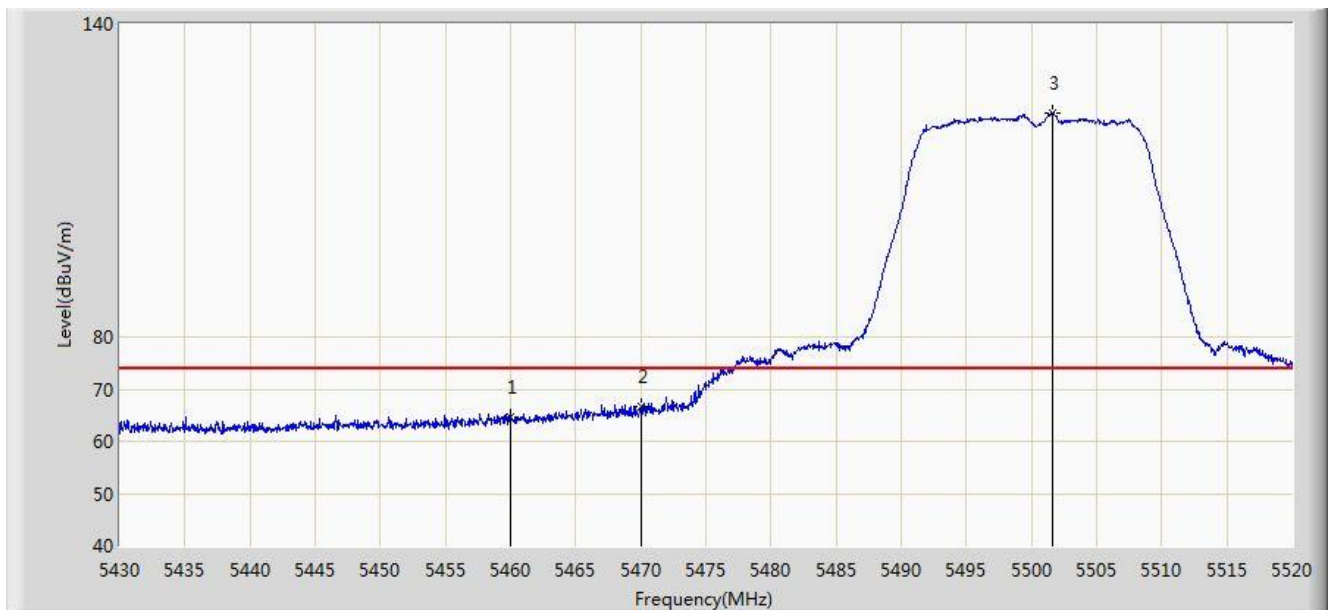| Site: AC1 | Time: 2016/11/14 - 23:28 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 64.671 | 60.491 | -9.329 | 74.000 | 4.180 | PK |
| 2 | | | 5470.000 | 66.554 | 62.352 | -7.446 | 74.000 | 4.202 | PK |
| 3 | | * | 5501.595 | 122.881 | 118.604 | N/A | N/A | 4.277 | PK |

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

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

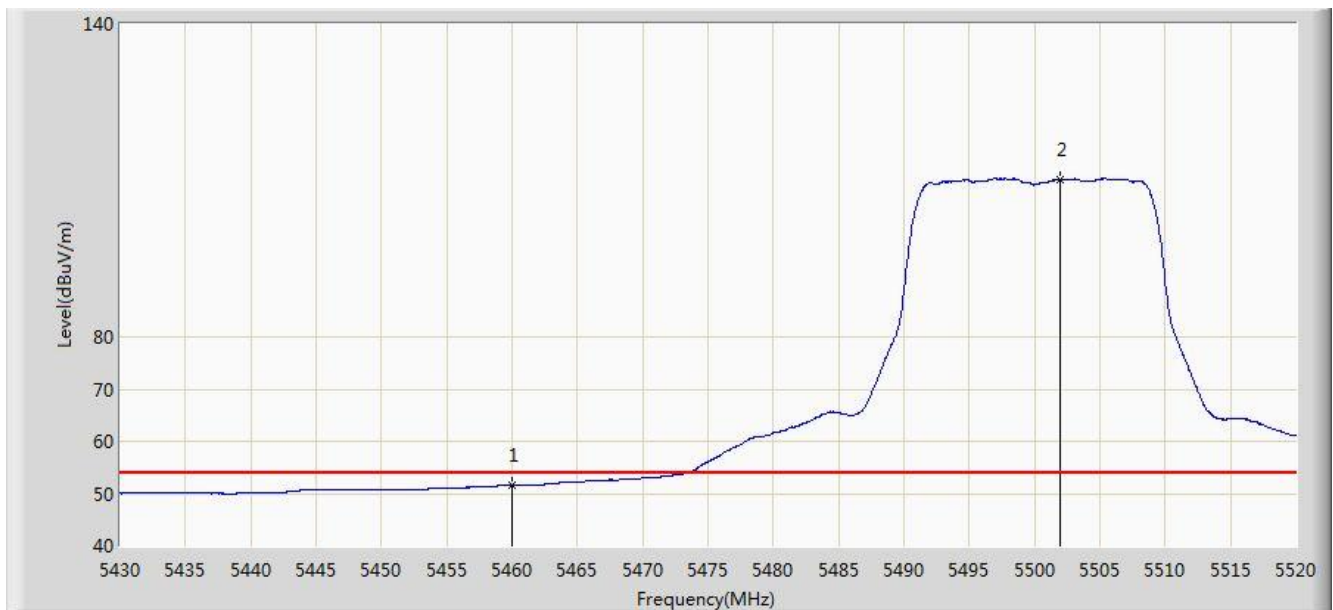| | |
|---|---|
| Site: AC1 | Time: 2016/11/14 - 23:29 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 51.661 | 47.481 | -2.339 | 54.000 | 4.180 | AV |
| 2 | | * | 5501.910 | 110.135 | 105.857 | N/A | N/A | 4.278 | AV |

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

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

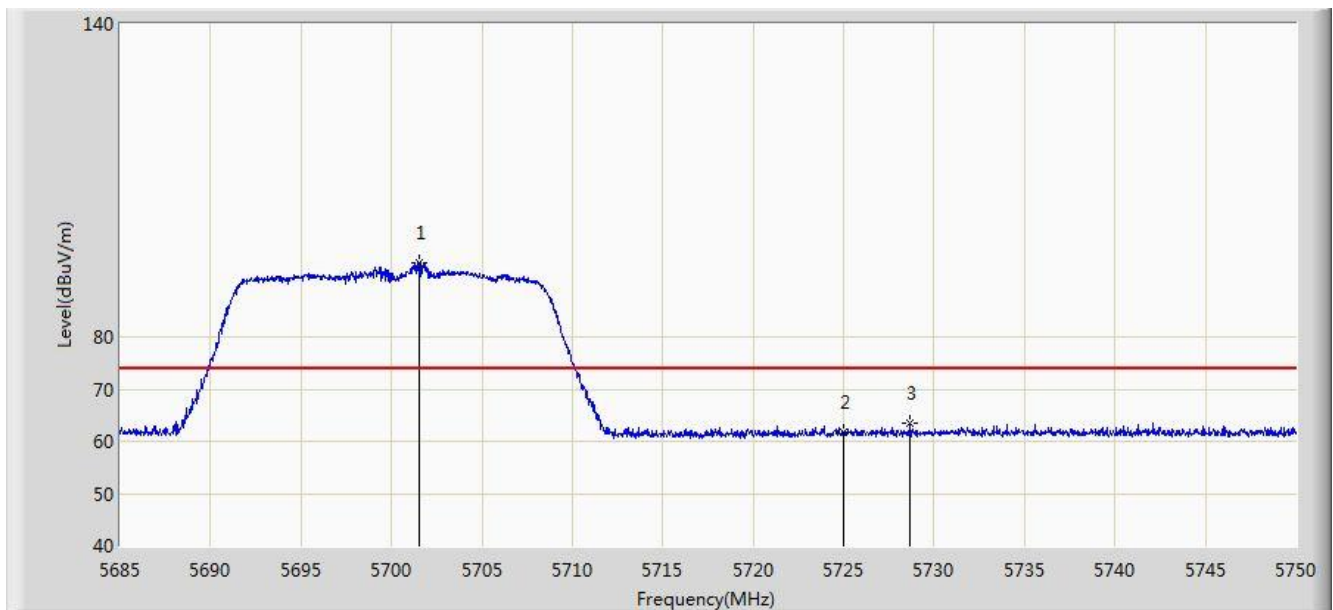| | |
|---|---|
| Site: AC1 | Time: 2016/11/14 - 23:36 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5701.542 | 94.299 | 89.413 | N/A | N/A | 4.886 | PK |
| 2 | | | 5725.000 | 61.866 | 56.837 | -12.134 | 74.000 | 5.029 | PK |
| 3 | | | 5728.680 | 63.364 | 58.311 | -10.636 | 74.000 | 5.053 | PK |

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

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

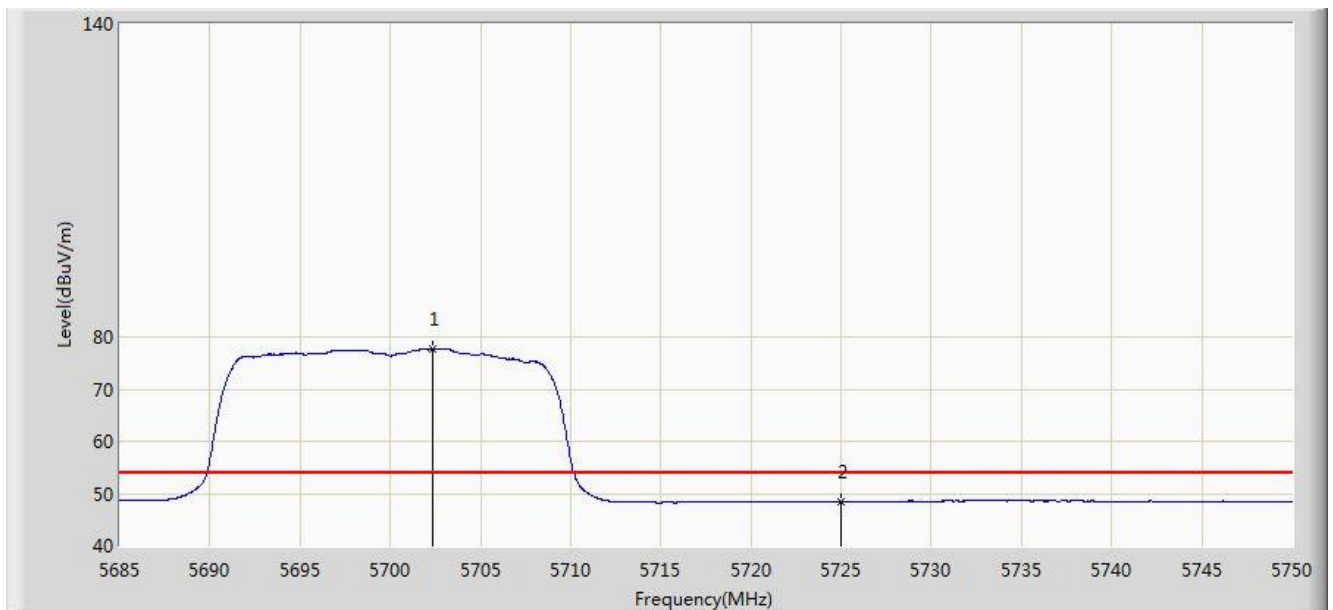| | |
|---|---|
| Site: AC1 | Time: 2016/11/14 - 23:40 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------|---------------|---------------|----------|-----------|----------|------|
| 1 | | * | 5702.355 | 77.607 | 72.716 | N/A | N/A | 4.891 | AV |
| 2 | | | 5725.000 | 48.490 | 43.461 | -5.510 | 54.000 | 5.029 | AV |

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

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

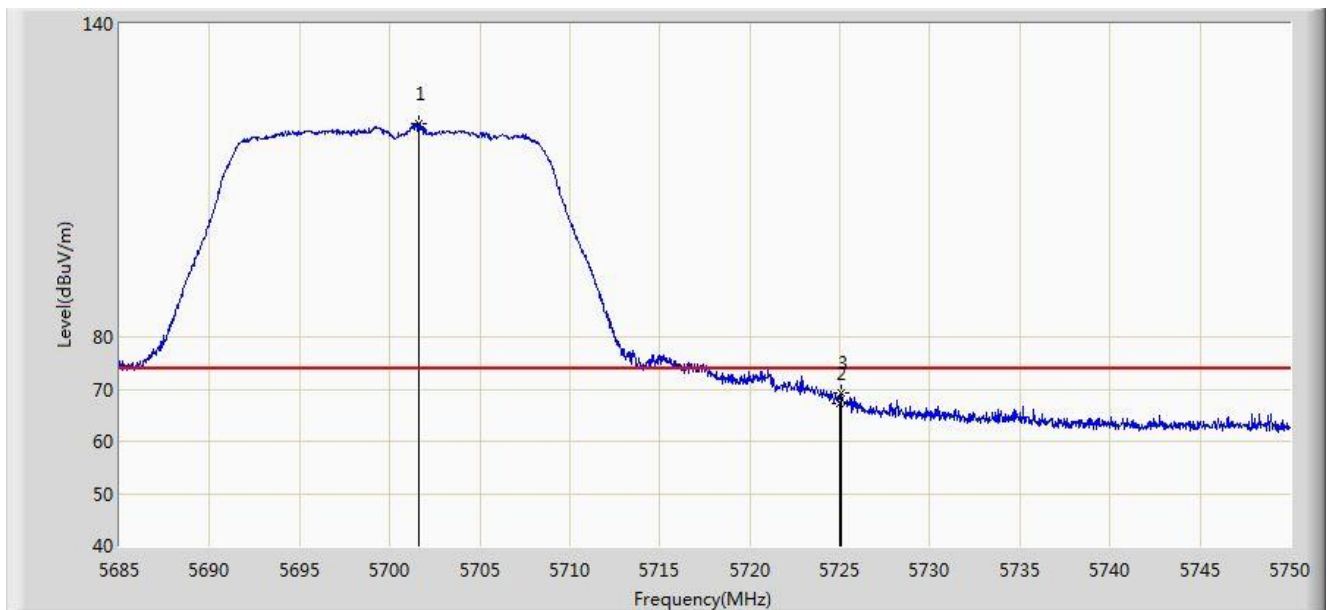| Site: AC1 | Time: 2016/11/14 - 23:36 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5701.640 | 120.943 | 116.056 | N/A | N/A | 4.887 | PK |
| 2 | | | 5725.000 | 67.256 | 62.227 | -6.744 | 74.000 | 5.029 | PK |
| 3 | | | 5725.105 | 69.270 | 64.240 | -4.730 | 74.000 | 5.030 | PK |

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

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

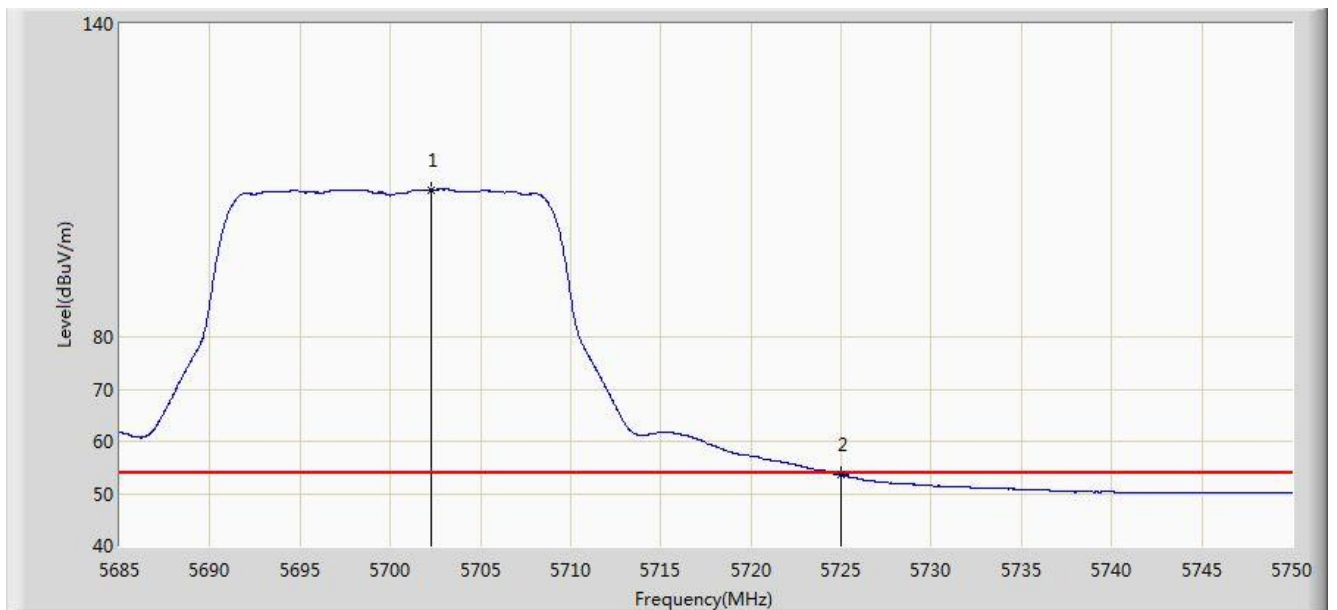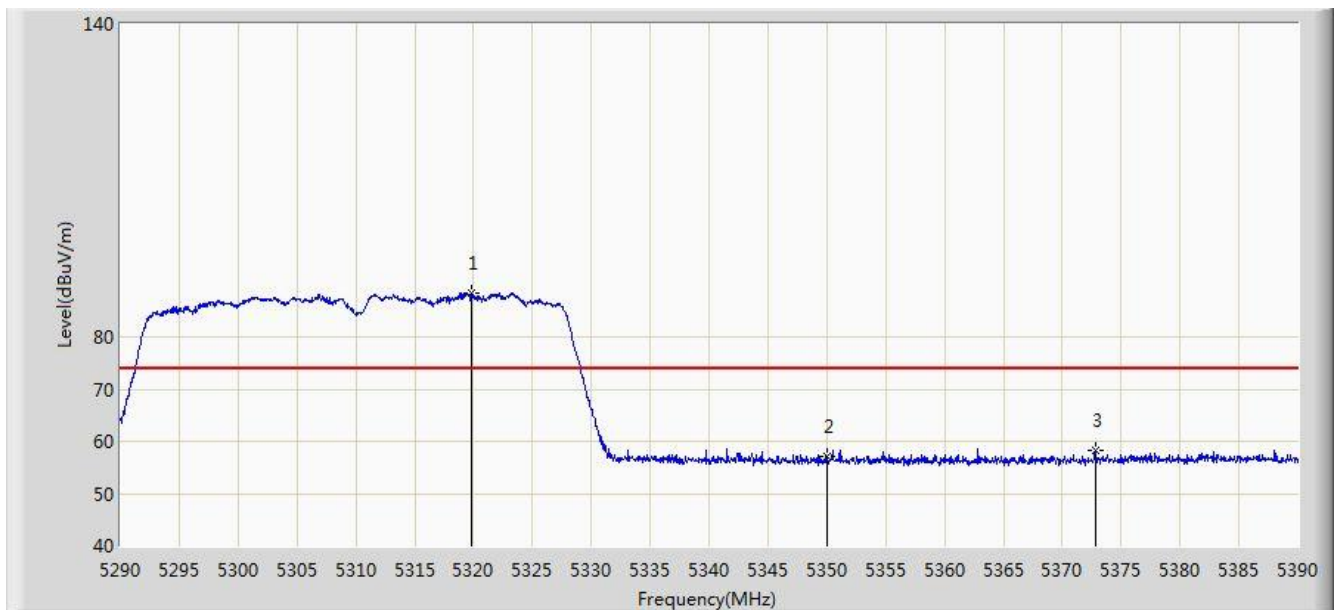| Site: AC1 | Time: 2016/11/14 - 23:35 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5702.257 | 108.228 | 103.338 | N/A | N/A | 4.890 | AV |
| 2 | | | 5725.000 | 53.557 | 48.528 | -0.443 | 54.000 | 5.029 | 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: 2016/11/15 - 00:02 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5319.800 | 88.382 | 85.721 | N/A | N/A | 2.660 | PK |
| 2 | | | 5350.000 | 57.094 | 54.397 | -16.906 | 74.000 | 2.697 | PK |
| 3 | | | 5372.800 | 58.314 | 55.413 | -15.686 | 74.000 | 2.901 | PK |

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

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

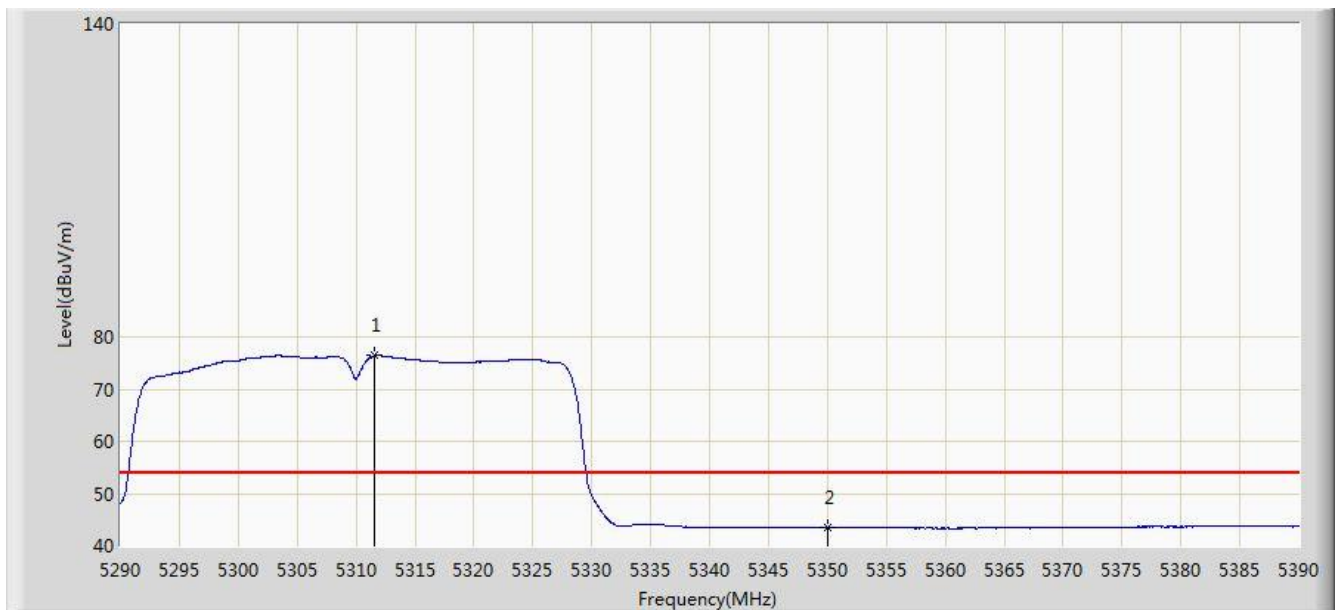| Site: AC1 | Time: 2016/11/15 - 00:05 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5311.600 | 76.505 | 73.900 | N/A | N/A | 2.605 | AV |
| 2 | | | 5350.000 | 43.367 | 40.670 | -10.633 | 54.000 | 2.697 | AV |

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

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

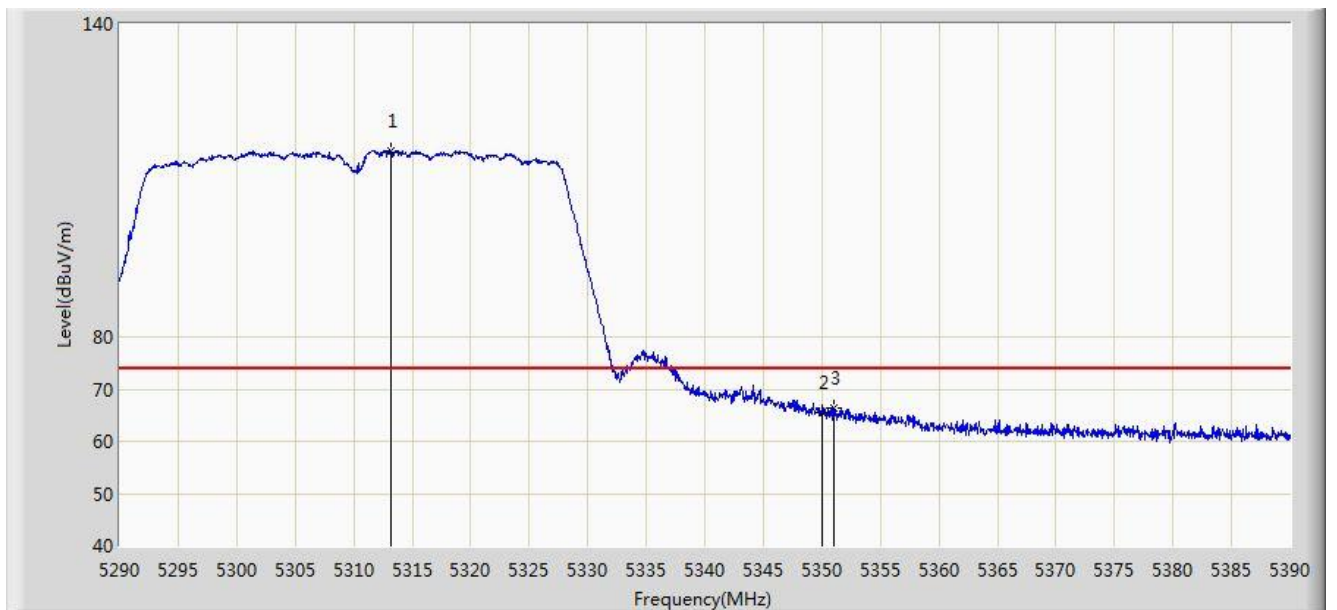| Site: AC1 | Time: 2016/11/15 - 00:02 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5313.200 | 115.722 | 113.113 | N/A | N/A | 2.610 | PK |
| 2 | | | 5350.000 | 65.469 | 62.772 | -8.531 | 74.000 | 2.697 | PK |
| 3 | | | 5351.000 | 66.485 | 63.784 | -7.515 | 74.000 | 2.701 | PK |

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

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

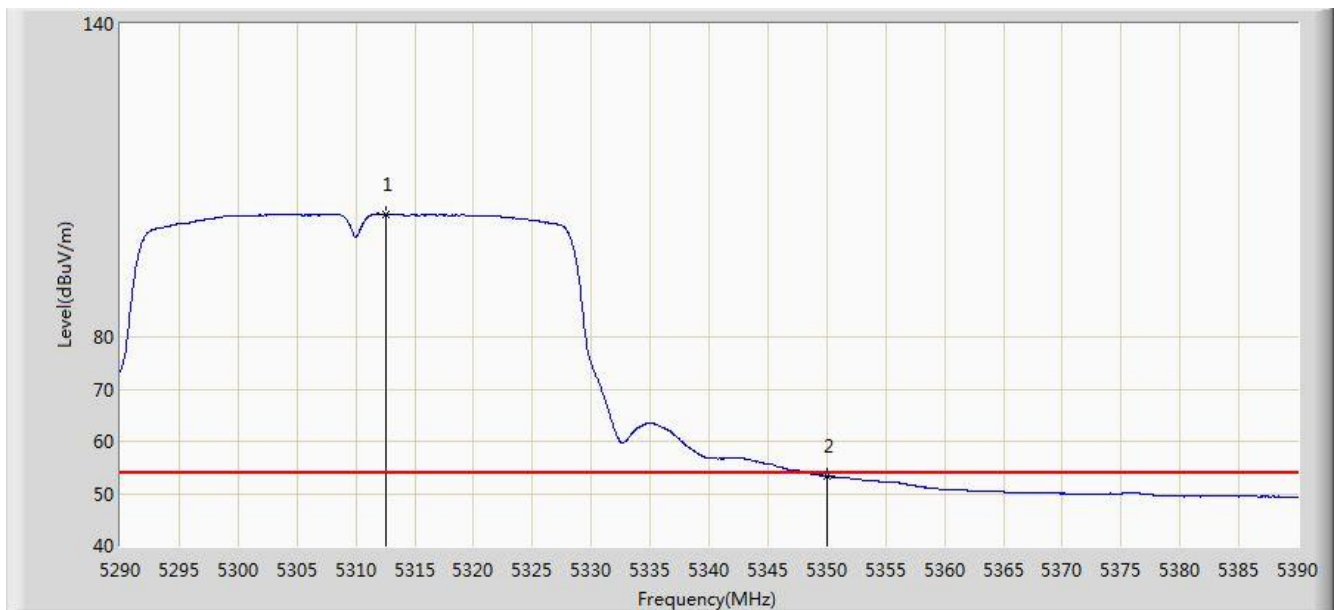| Site: AC1 | Time: 2016/11/15 - 00:01 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5312.500 | 103.517 | 100.914 | N/A | N/A | 2.603 | AV |
| 2 | | | 5350.000 | 53.356 | 50.659 | -0.644 | 54.000 | 2.697 | AV |

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

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

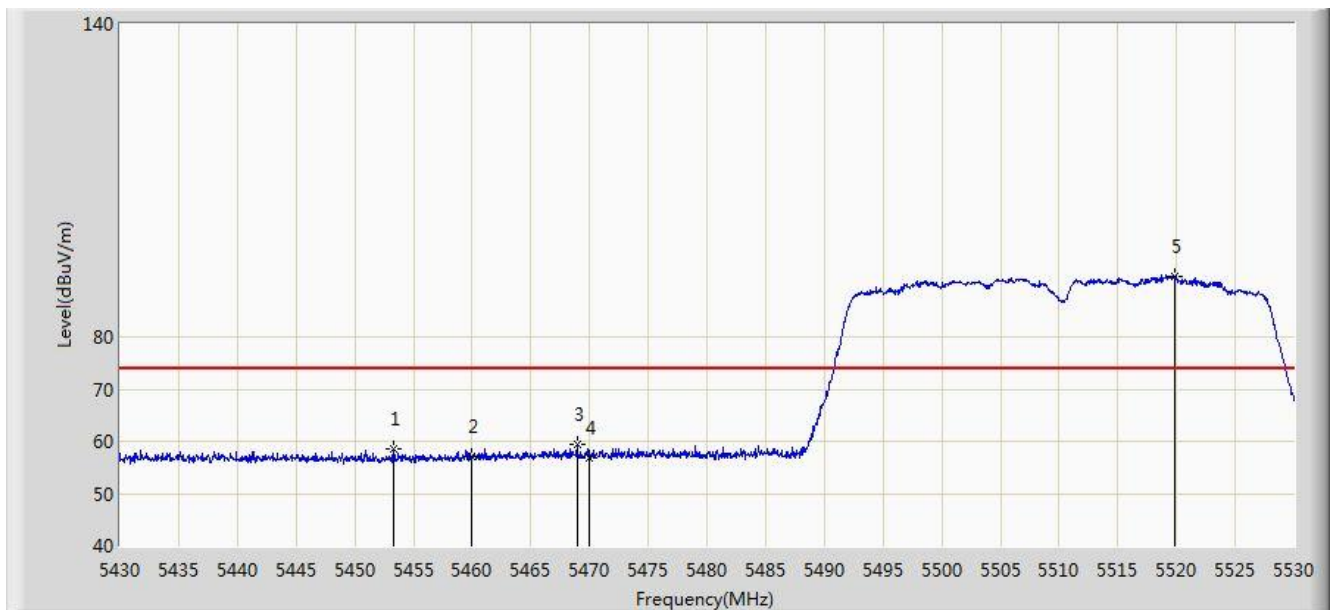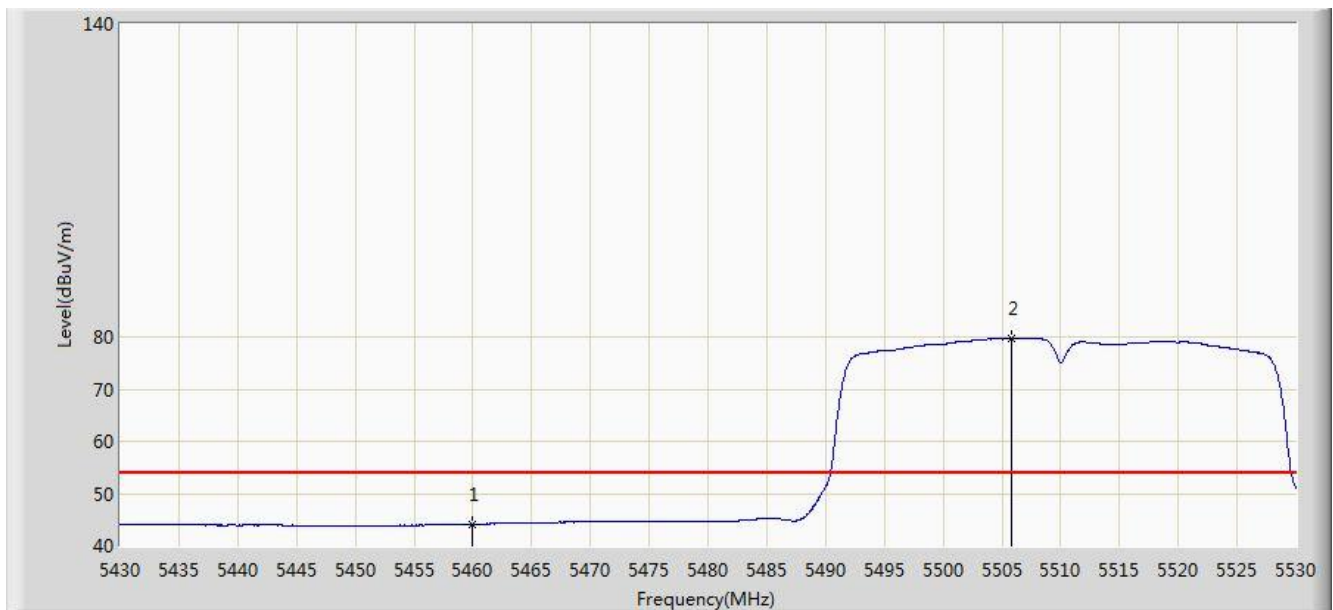| Site: AC1 | Time: 2016/11/15 - 00:10 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5453.350 | 58.542 | 54.376 | -15.458 | 74.000 | 4.165 | PK |
| 2 | | | 5460.000 | 57.140 | 52.960 | -16.860 | 74.000 | 4.180 | PK |
| 3 | | | 5468.950 | 59.473 | 55.273 | -14.527 | 74.000 | 4.200 | PK |
| 4 | | | 5470.000 | 56.882 | 52.680 | -17.118 | 74.000 | 4.202 | PK |
| 5 | | * | 5519.850 | 91.726 | 87.395 | N/A | N/A | 4.331 | PK |

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

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

| Site: AC1 | Time: 2016/11/15 - 00:12 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 44.116 | 39.936 | -9.884 | 54.000 | 4.180 | AV |
| 2 | | * | 5505.850 | 79.651 | 75.362 | N/A | N/A | 4.289 | AV |

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

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

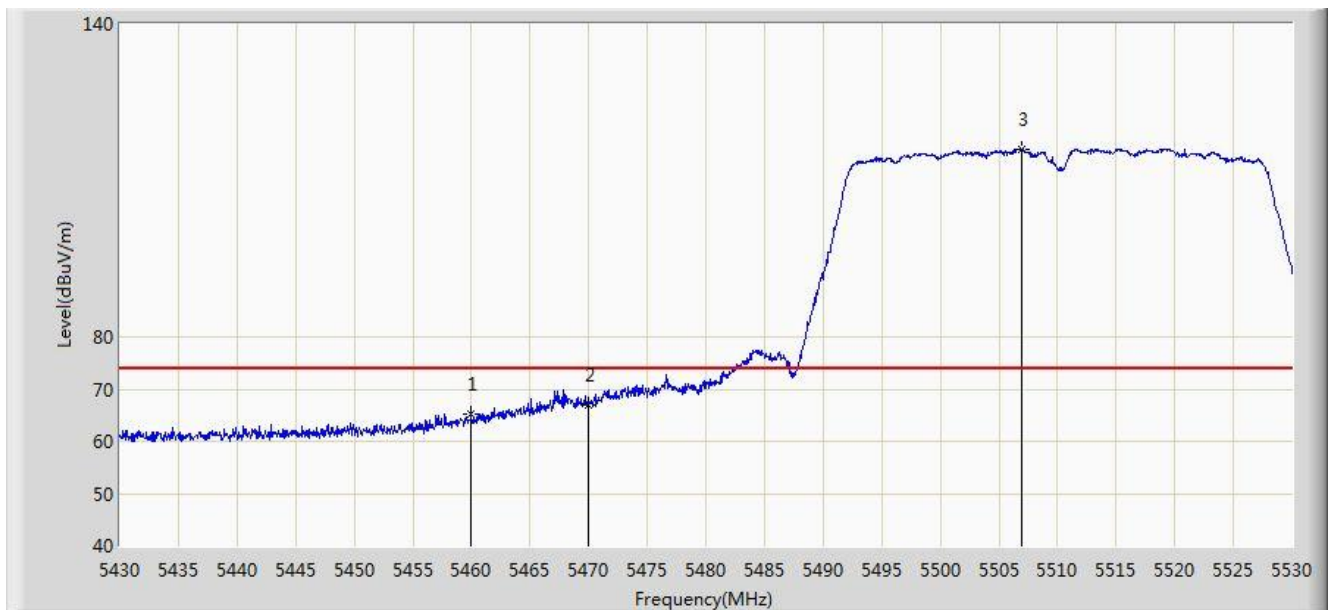| Site: AC1 | Time: 2016/11/15 - 00:09 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 65.073 | 60.893 | -8.927 | 74.000 | 4.180 | PK |
| 2 | | | 5470.000 | 66.955 | 62.753 | -7.045 | 74.000 | 4.202 | PK |
| 3 | | * | 5506.950 | 115.994 | 111.702 | N/A | N/A | 4.292 | PK |

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

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

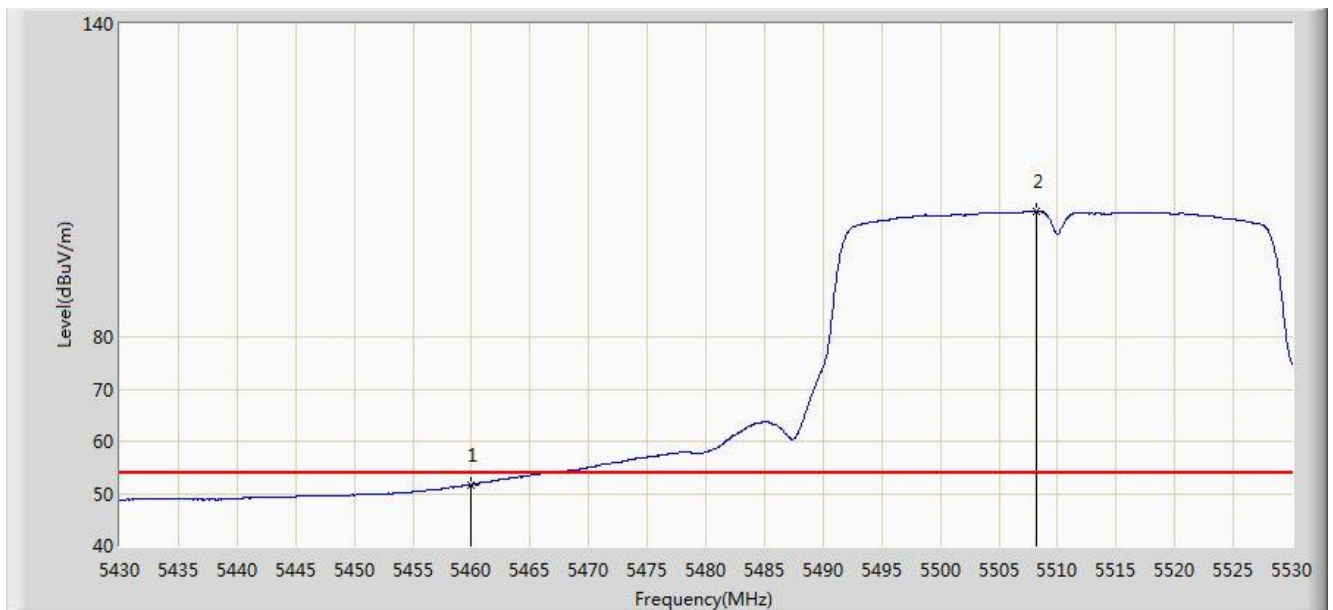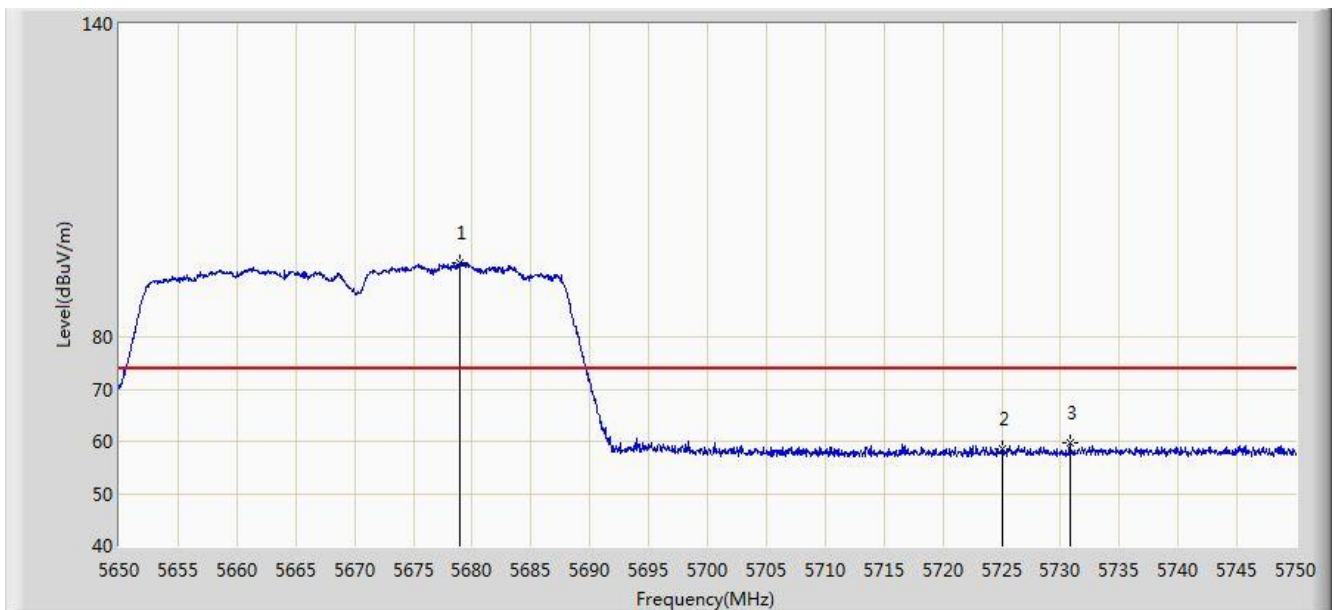| Site: AC1 | Time: 2016/11/15 - 00:09 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 51.714 | 47.534 | -2.286 | 54.000 | 4.180 | AV |
| 2 | | * | 5508.150 | 104.178 | 99.882 | N/A | N/A | 4.296 | 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: 2016/11/15 - 00:40 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5678.950 | 94.327 | 89.544 | N/A | N/A | 4.782 | PK |
| 2 | | | 5725.000 | 58.498 | 53.469 | -15.502 | 74.000 | 5.029 | PK |
| 3 | | | 5730.800 | 59.745 | 54.679 | -14.255 | 74.000 | 5.066 | PK |

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

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

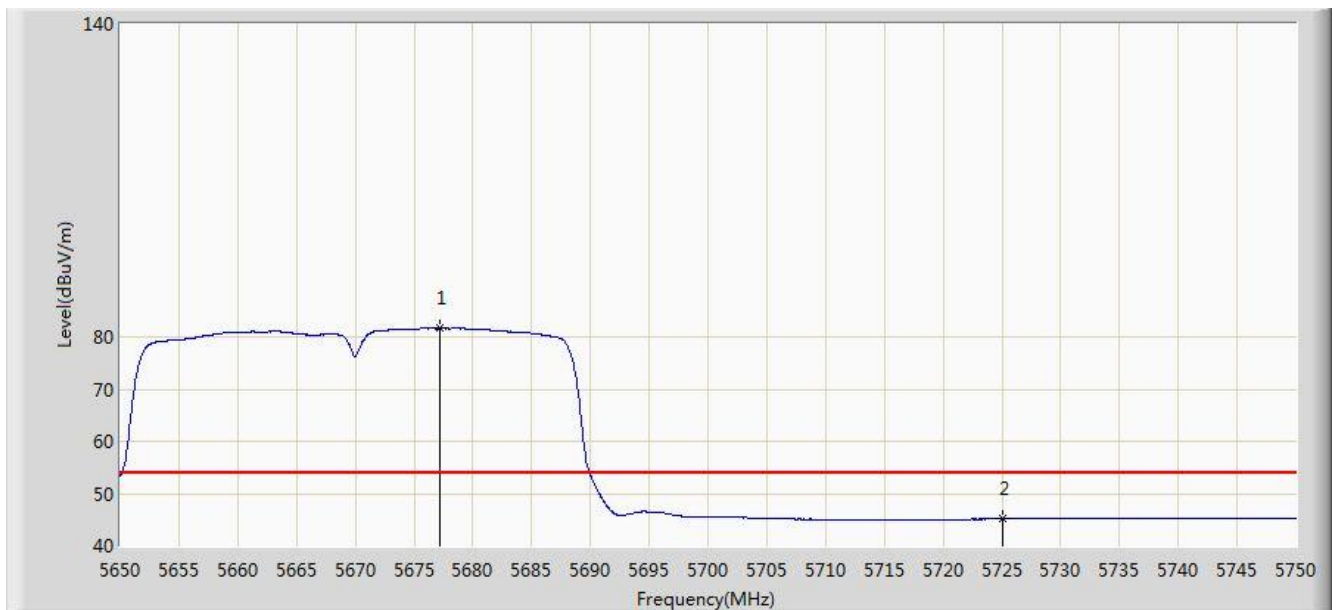| Site: AC1 | Time: 2016/11/15 - 00:20 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5677.150 | 81.650 | 76.874 | N/A | N/A | 4.775 | AV |
| 2 | | | 5725.000 | 45.094 | 40.065 | -8.906 | 54.000 | 5.029 | AV |

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

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

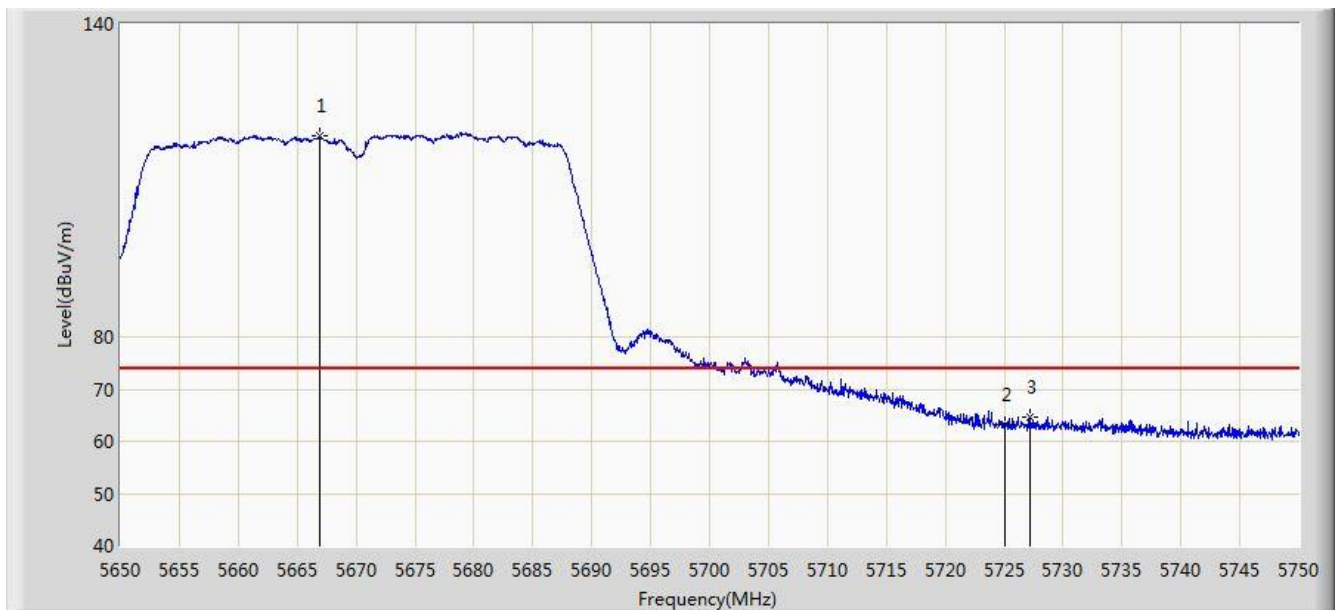| Site: AC1 | Time: 2016/11/15 - 00:18 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5666.900 | 118.420 | 113.685 | N/A | N/A | 4.734 | PK |
| 2 | | | 5725.000 | 63.187 | 58.158 | -10.813 | 74.000 | 5.029 | PK |
| 3 | | | 5727.150 | 64.633 | 59.590 | -9.367 | 74.000 | 5.043 | PK |

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

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

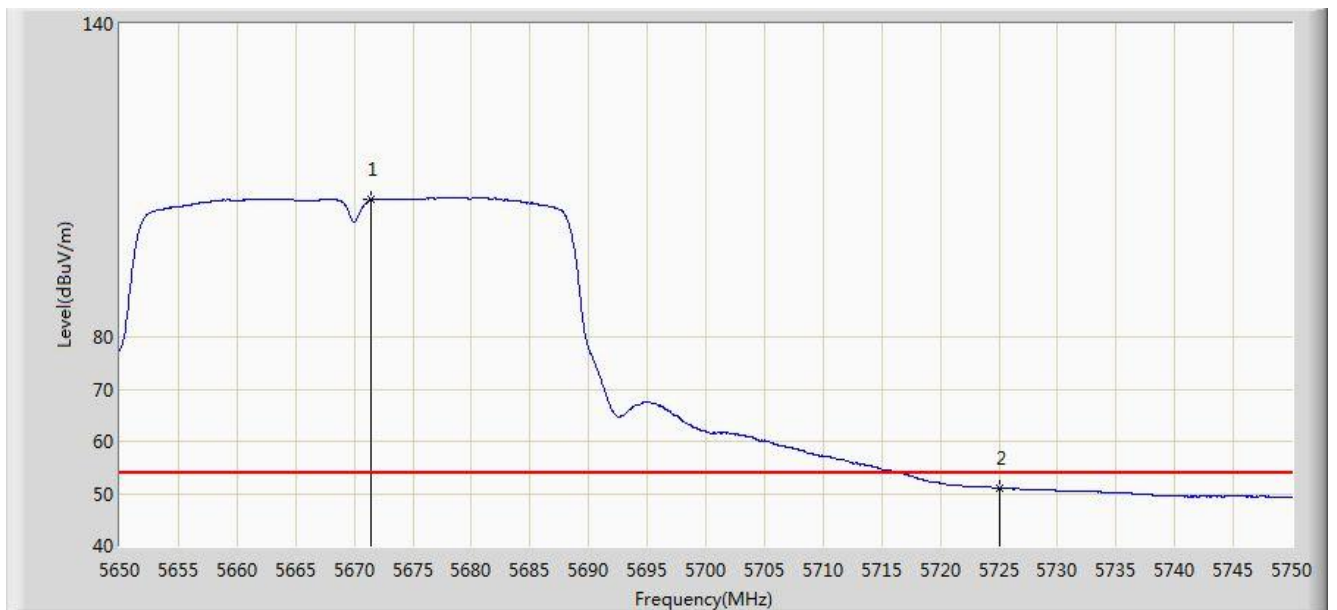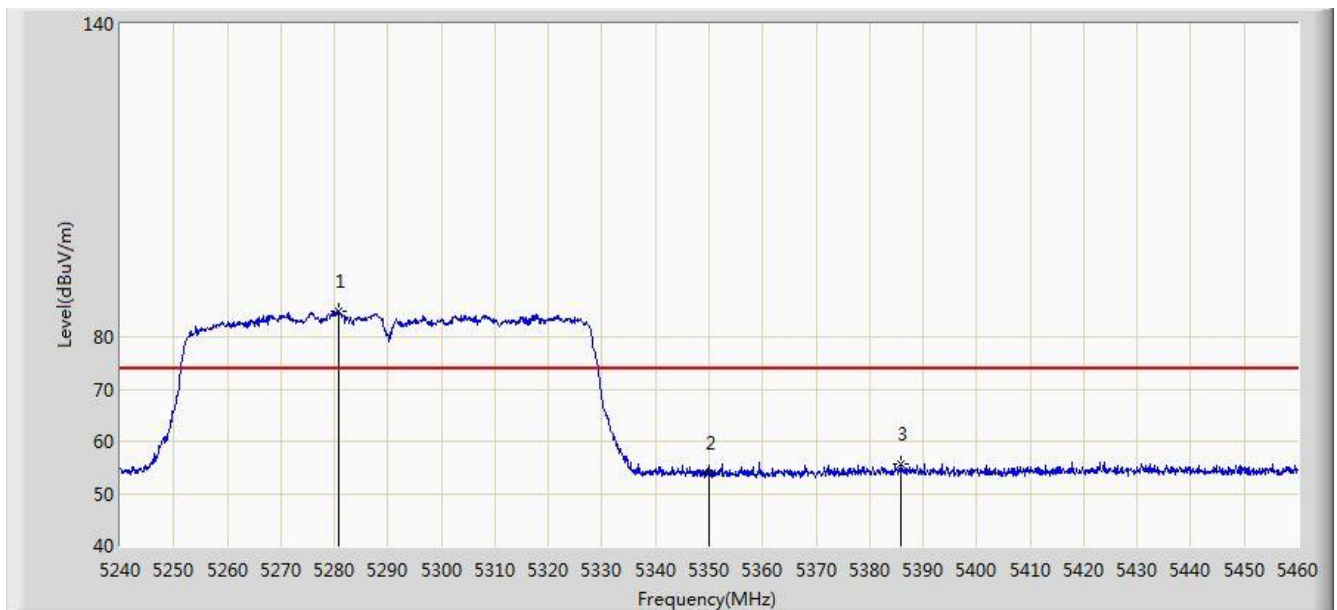| Site: AC1 | Time: 2016/11/15 - 00:16 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5671.450 | 106.314 | 101.561 | N/A | N/A | 4.752 | AV |
| 2 | | | 5725.000 | 51.043 | 46.014 | -2.957 | 54.000 | 5.029 | 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: 2016/11/15 - 00:48 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5280.920 | 84.808 | 80.982 | N/A | N/A | 3.827 | PK |
| 2 | | | 5350.000 | 54.014 | 50.109 | -19.986 | 74.000 | 3.904 | PK |
| 3 | | | 5385.750 | 55.761 | 51.791 | -18.239 | 74.000 | 3.970 | PK |

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

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

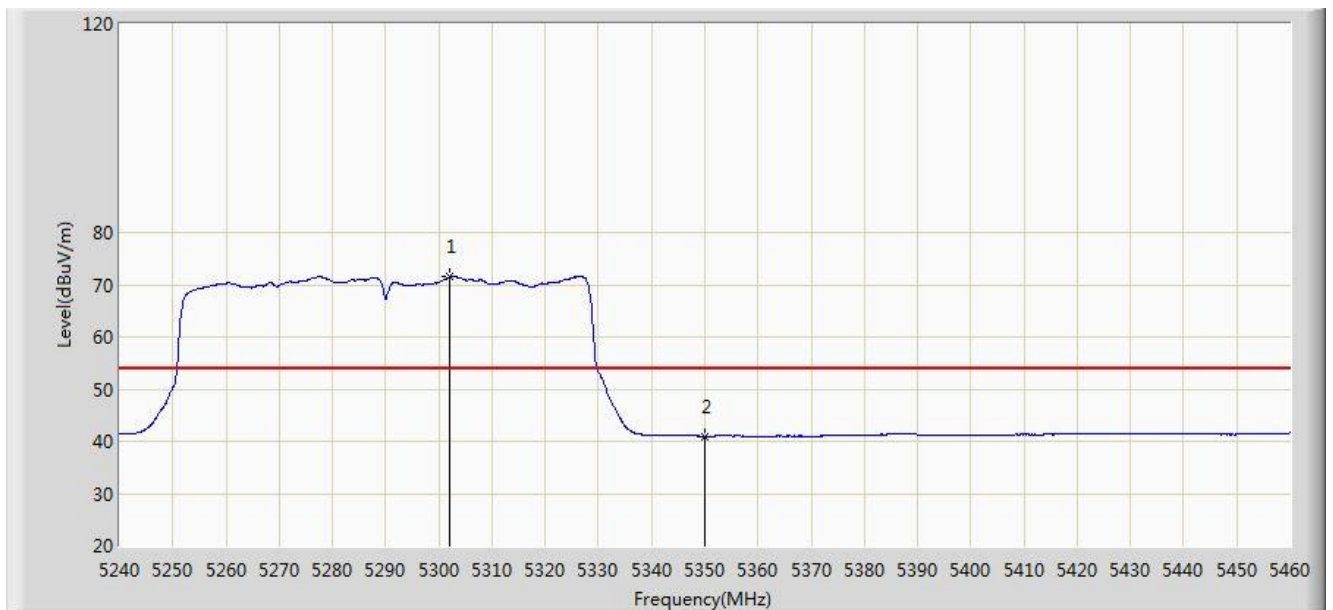| Site: AC1 | Time: 2016/11/15 - 00:50 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5302.150 | 71.558 | 67.743 | N/A | N/A | 3.814 | AV |
| 2 | | | 5350.000 | 40.967 | 37.062 | -13.033 | 54.000 | 3.904 | AV |

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

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

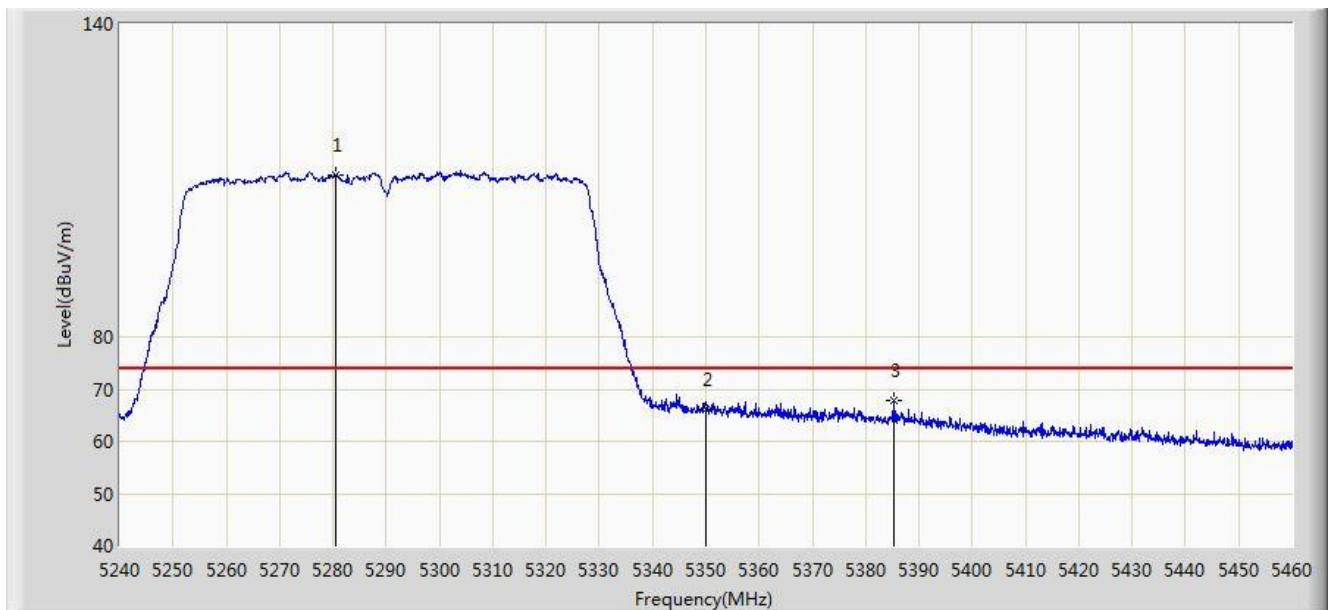| | |
|---|---|
| Site: AC1 | Time: 2016/11/15 - 00:47 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5280.590 | 111.140 | 107.314 | N/A | N/A | 3.826 | PK |
| 2 | | | 5350.000 | 66.183 | 62.278 | -7.817 | 74.000 | 3.904 | PK |
| 3 | | | 5385.200 | 67.791 | 63.822 | -6.209 | 74.000 | 3.970 | PK |

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

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

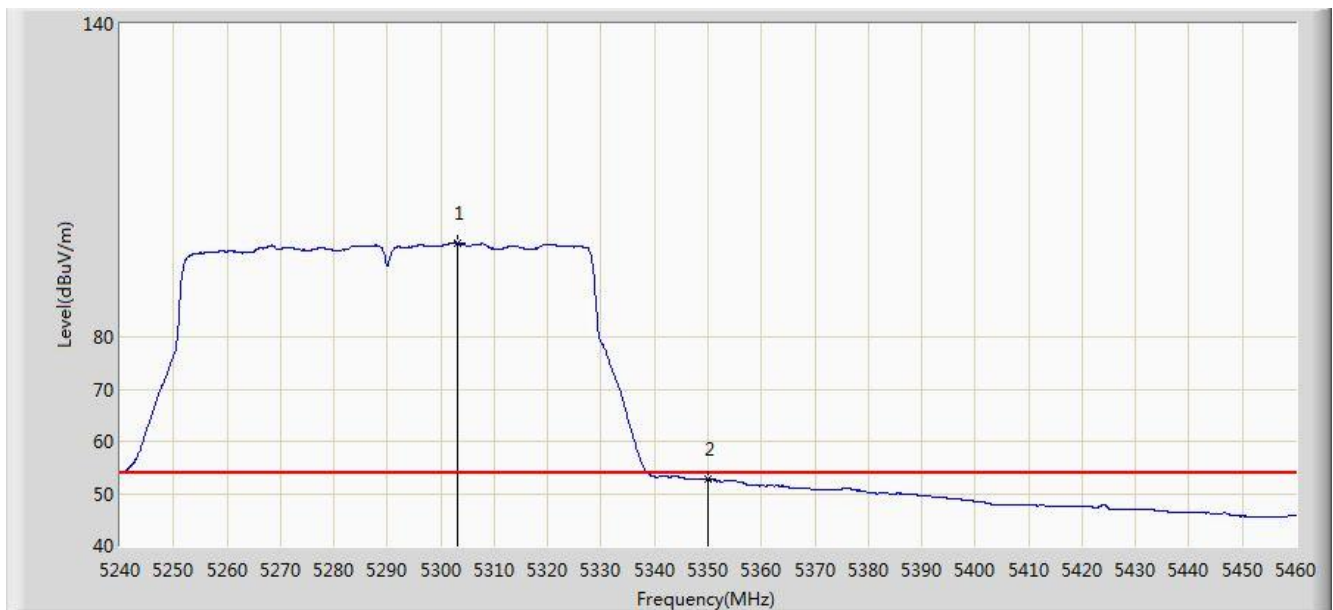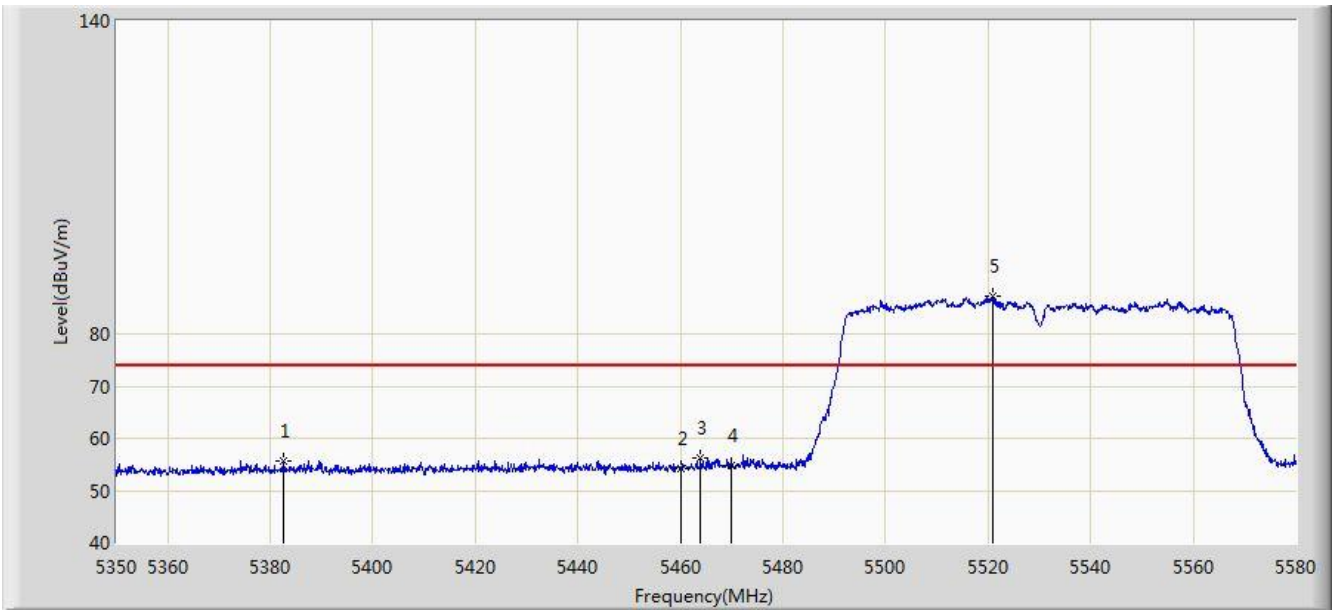| Site: AC1 | Time: 2016/11/15 - 00:46 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5303.140 | 97.943 | 94.126 | N/A | N/A | 3.817 | AV |
| 2 | | | 5350.000 | 52.729 | 48.824 | -1.271 | 54.000 | 3.904 | 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: 2016/11/15 - 00:59 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5382.430 | 55.720 | 51.756 | -18.280 | 74.000 | 3.963 | PK |
| 2 | | | 5460.000 | 54.182 | 50.002 | -19.818 | 74.000 | 4.180 | PK |
| 3 | | | 5463.850 | 56.133 | 51.944 | -17.867 | 74.000 | 4.189 | PK |
| 4 | | | 5470.000 | 54.738 | 50.536 | -19.262 | 74.000 | 4.202 | PK |
| 5 | | * | 5520.890 | 87.138 | 82.804 | N/A | N/A | 4.334 | PK |

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

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

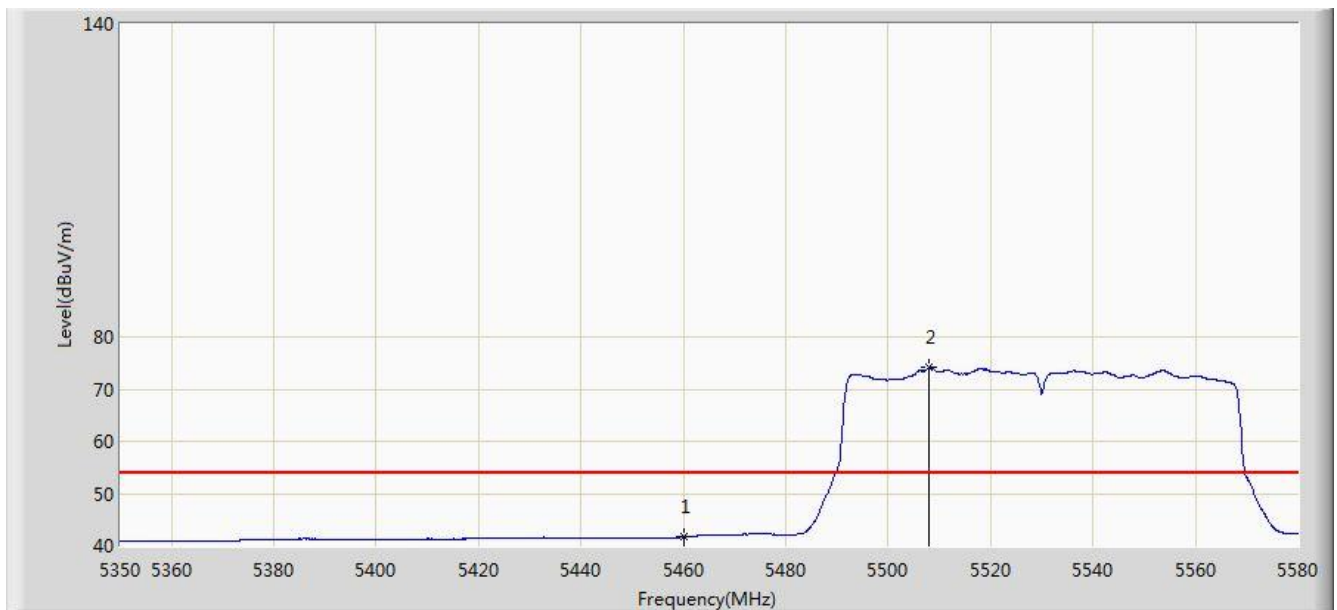| | |
|---|---|
| Site: AC1 | Time: 2016/11/15 - 01:00 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 41.642 | 37.462 | -12.358 | 54.000 | 4.180 | AV |
| 2 | | * | 5508.010 | 74.101 | 69.806 | N/A | N/A | 4.295 | AV |

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

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

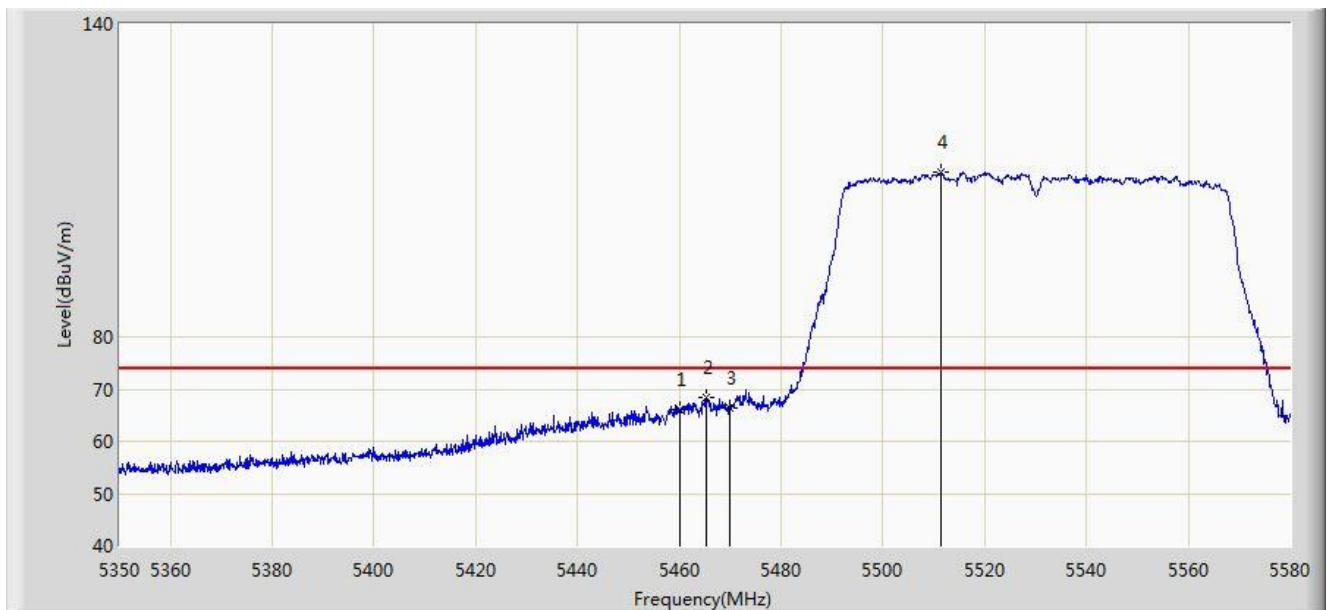| | |
|---|---|
| Site: AC1 | Time: 2016/11/15 - 00:57 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 66.113 | 61.933 | -7.887 | 74.000 | 4.180 | PK |
| 2 | | | 5465.230 | 68.546 | 64.354 | -5.454 | 74.000 | 4.191 | PK |
| 3 | | | 5470.000 | 66.363 | 62.161 | -7.637 | 74.000 | 4.202 | PK |
| 4 | | * | 5511.345 | 111.604 | 107.299 | N/A | N/A | 4.305 | PK |

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

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

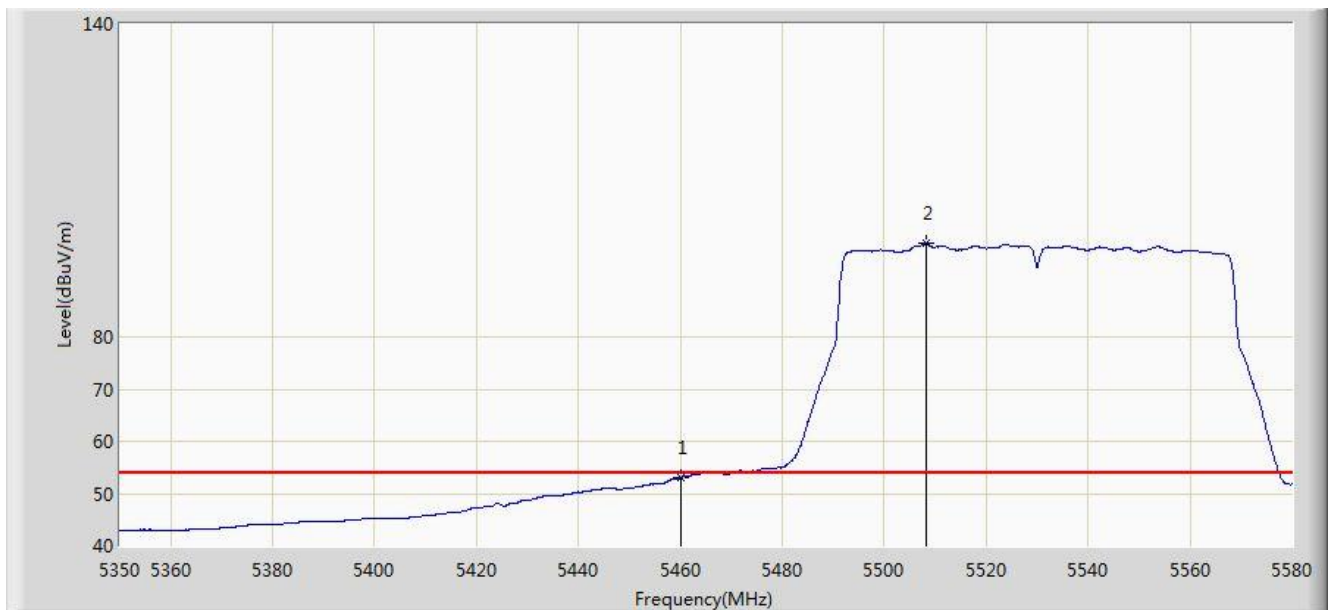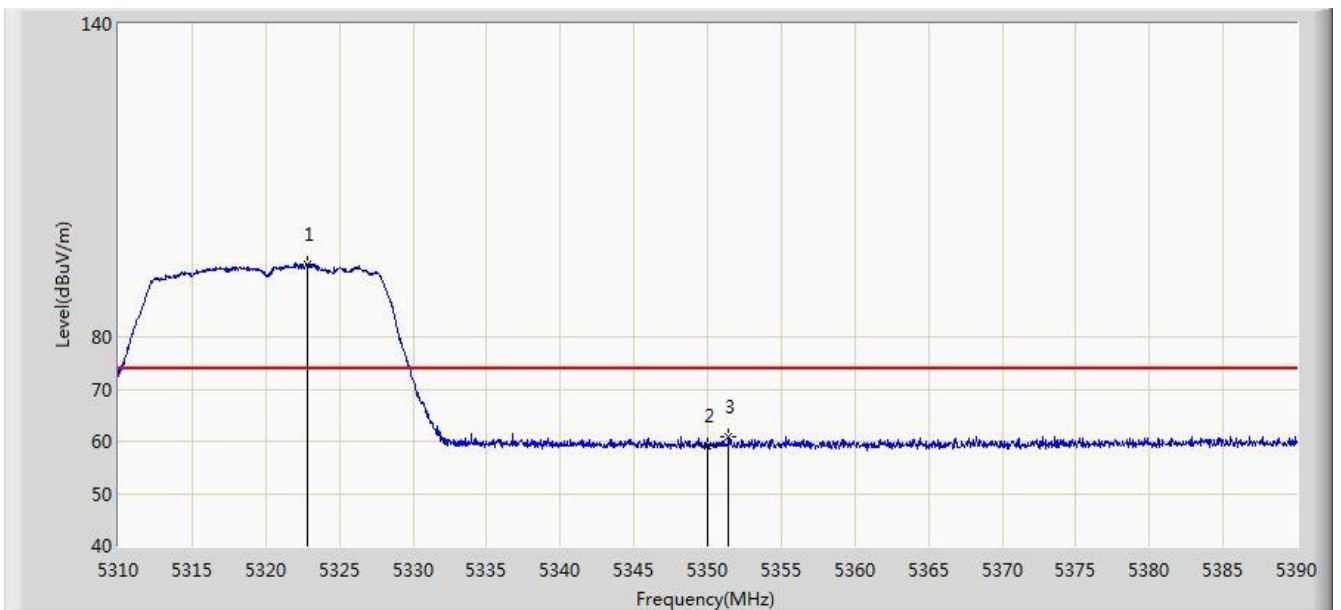| Site: AC1 | Time: 2016/11/15 - 00:58 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz Ant 0 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 53.065 | 48.885 | -0.935 | 54.000 | 4.180 | AV |
| 2 | | * | 5508.355 | 97.971 | 93.675 | N/A | N/A | 4.296 | 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: 2016/11/17 - 10:14 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5322.880 | 94.037 | 90.183 | N/A | N/A | 3.854 | PK |
| 2 | | | 5350.000 | 59.250 | 55.345 | -14.750 | 74.000 | 3.904 | PK |
| 3 | | | 5351.440 | 60.910 | 57.003 | -13.090 | 74.000 | 3.908 | PK |

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

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

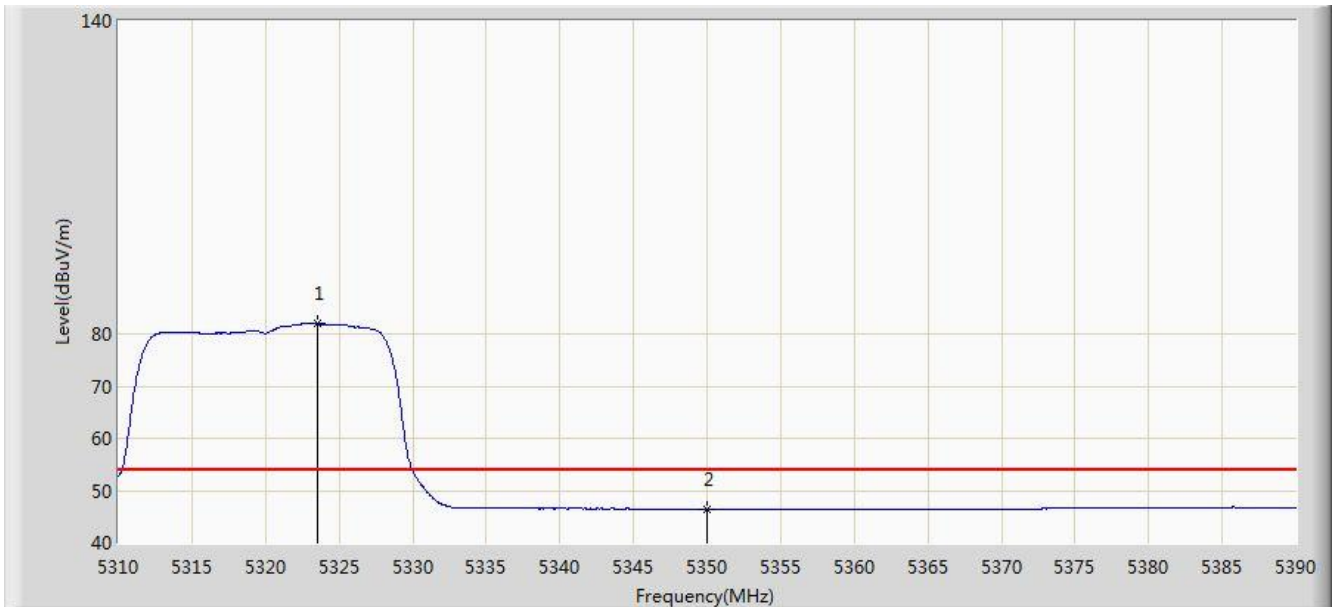| | |
|---|---|
| Site: AC1 | Time: 2016/11/17 - 10:16 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5323.520 | 81.925 | 78.070 | N/A | N/A | 3.855 | AV |
| 2 | | | 5350.000 | 46.440 | 42.535 | -7.560 | 54.000 | 3.904 | AV |

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

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

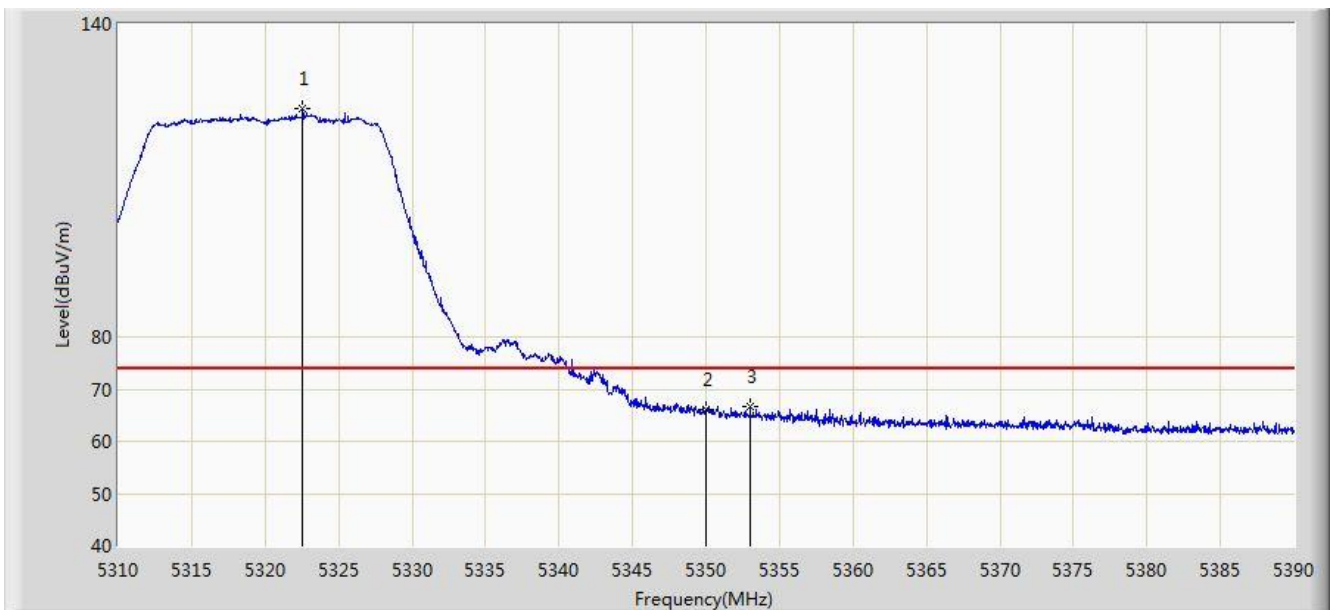| Site: AC1 | Time: 2016/11/17 - 10:13 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5322.560 | 123.790 | 119.937 | N/A | N/A | 3.853 | PK |
| 2 | | | 5350.000 | 66.197 | 62.292 | -7.803 | 74.000 | 3.904 | PK |
| 3 | | | 5353.000 | 66.566 | 62.656 | -7.434 | 74.000 | 3.911 | PK |

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

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

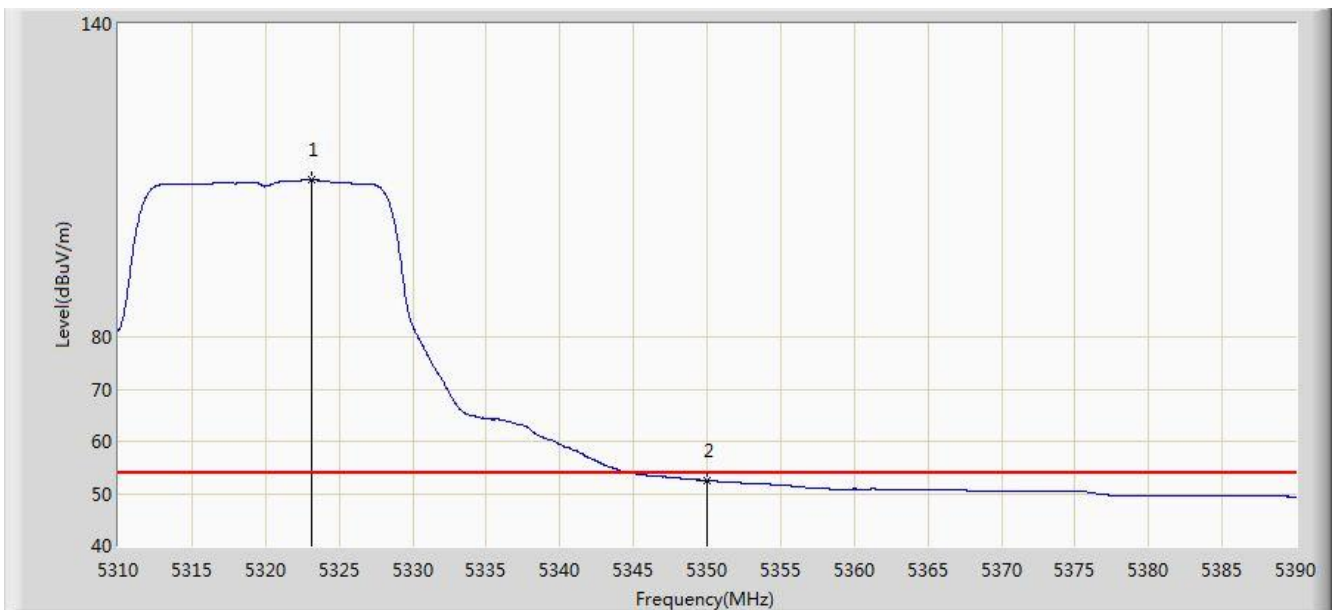| Site: AC1 | Time: 2016/11/17 - 10:10 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | X | * | 5323.160 | 110.046 | 106.191 | N/A | N/A | 3.854 | AV |
| 2 | | | 5350.000 | 52.583 | 48.678 | -1.417 | 54.000 | 3.904 | AV |

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

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

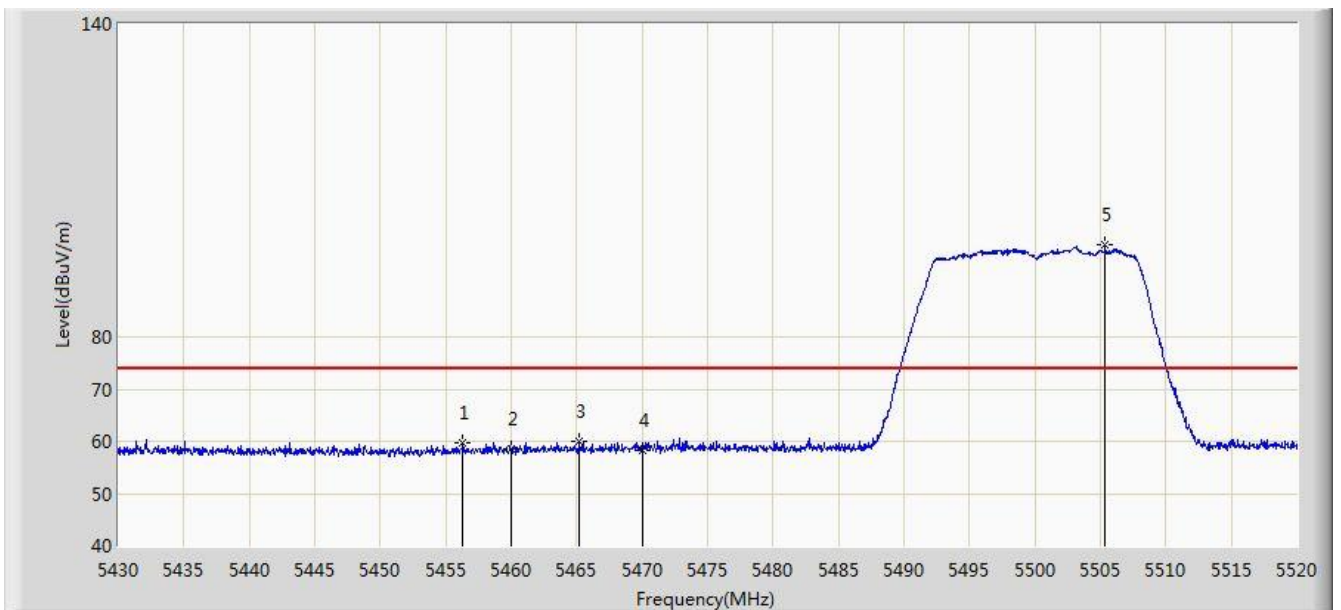| Site: AC1 | Time: 2016/11/17 - 10:23 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5456.325 | 59.781 | 55.609 | -14.219 | 74.000 | 4.172 | PK |
| 2 | | | 5460.000 | 58.484 | 54.304 | -15.516 | 74.000 | 4.180 | PK |
| 3 | | | 5465.235 | 59.891 | 55.699 | -14.109 | 74.000 | 4.191 | PK |
| 4 | | | 5470.000 | 58.315 | 54.113 | -15.685 | 74.000 | 4.202 | PK |
| 5 | | * | 5505.375 | 97.820 | 93.532 | N/A | N/A | 4.288 | PK |

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

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

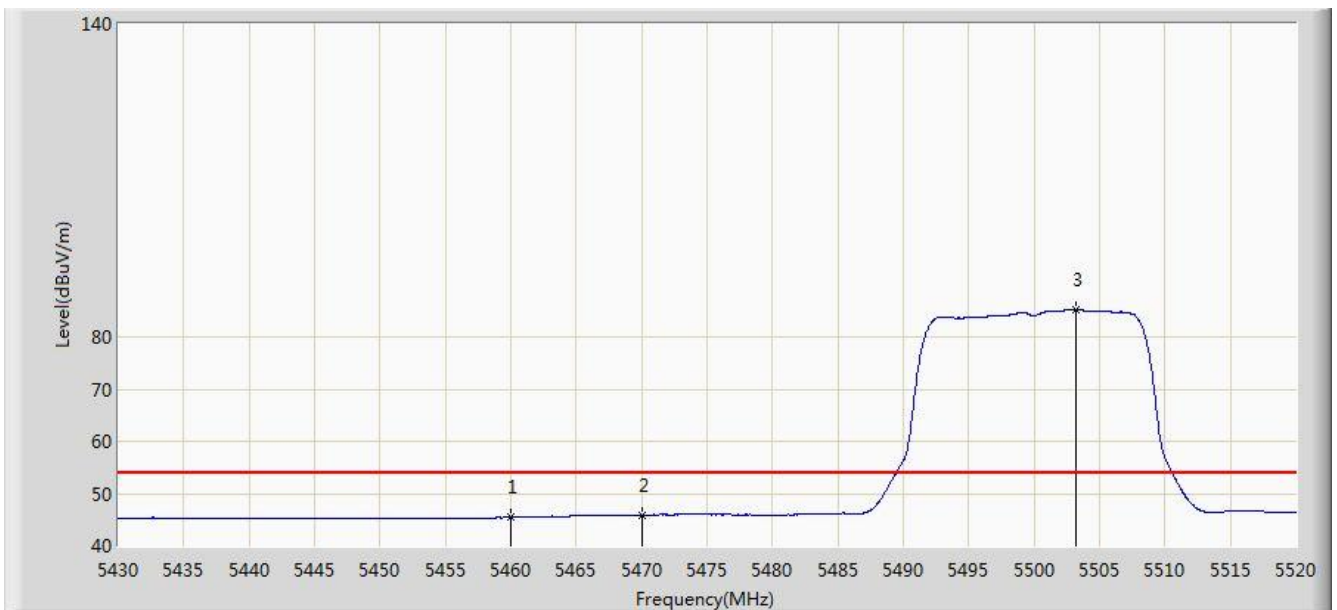| | |
|---|---|
| Site: AC1 | Time: 2016/11/17 - 10:25 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 45.452 | 41.272 | -8.548 | 54.000 | 4.180 | AV |
| 2 | | | 5470.000 | 45.933 | 41.731 | -8.067 | 54.000 | 4.202 | AV |
| 3 | | * | 5503.170 | 85.255 | 80.974 | N/A | N/A | 4.281 | AV |

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

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

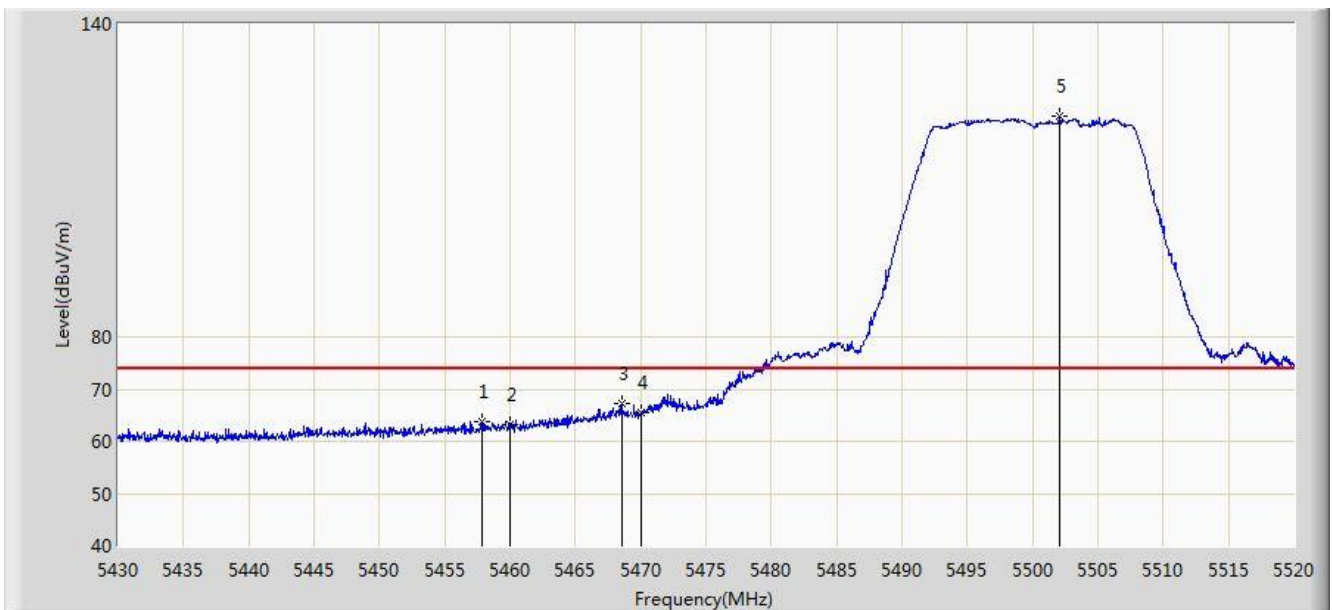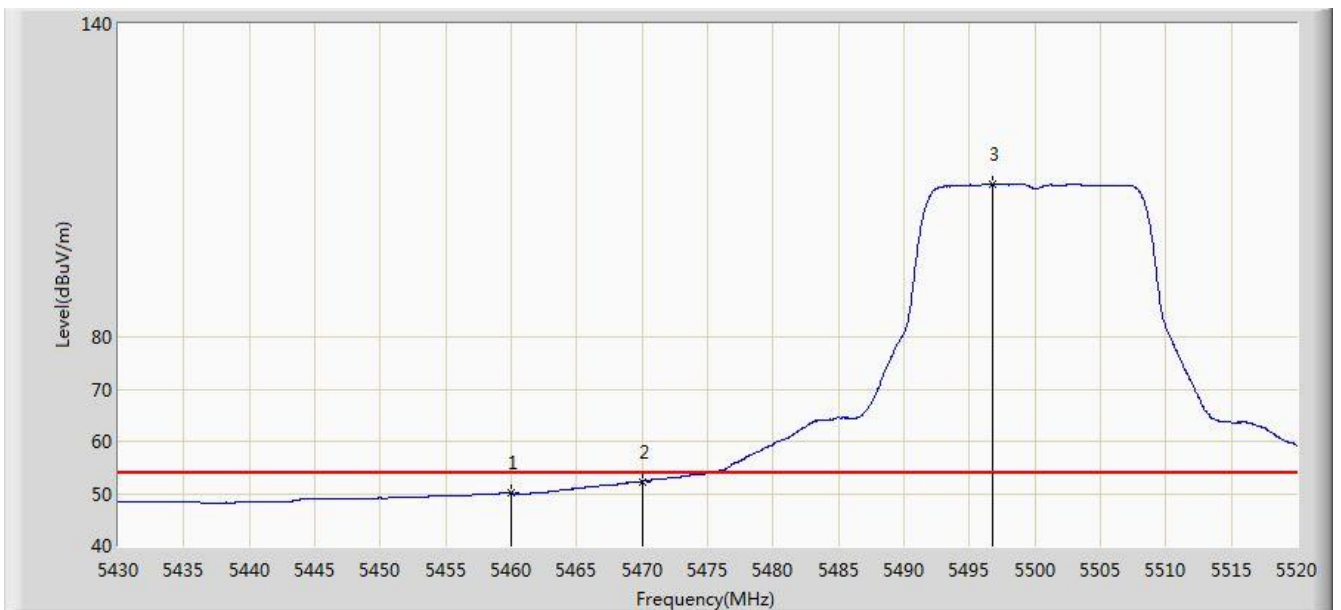| | |
|---|---|
| Site: AC1 | Time: 2016/11/17 - 10:18 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5457.810 | 63.757 | 59.581 | -10.243 | 74.000 | 4.176 | PK |
| 2 | | | 5460.000 | 63.247 | 59.067 | -10.753 | 74.000 | 4.180 | PK |
| 3 | | | 5468.520 | 67.205 | 63.006 | -6.795 | 74.000 | 4.199 | PK |
| 4 | | | 5470.000 | 65.432 | 61.230 | -8.568 | 74.000 | 4.202 | PK |
| 5 | | * | 5502.045 | 122.195 | 117.917 | N/A | N/A | 4.278 | PK |

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

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

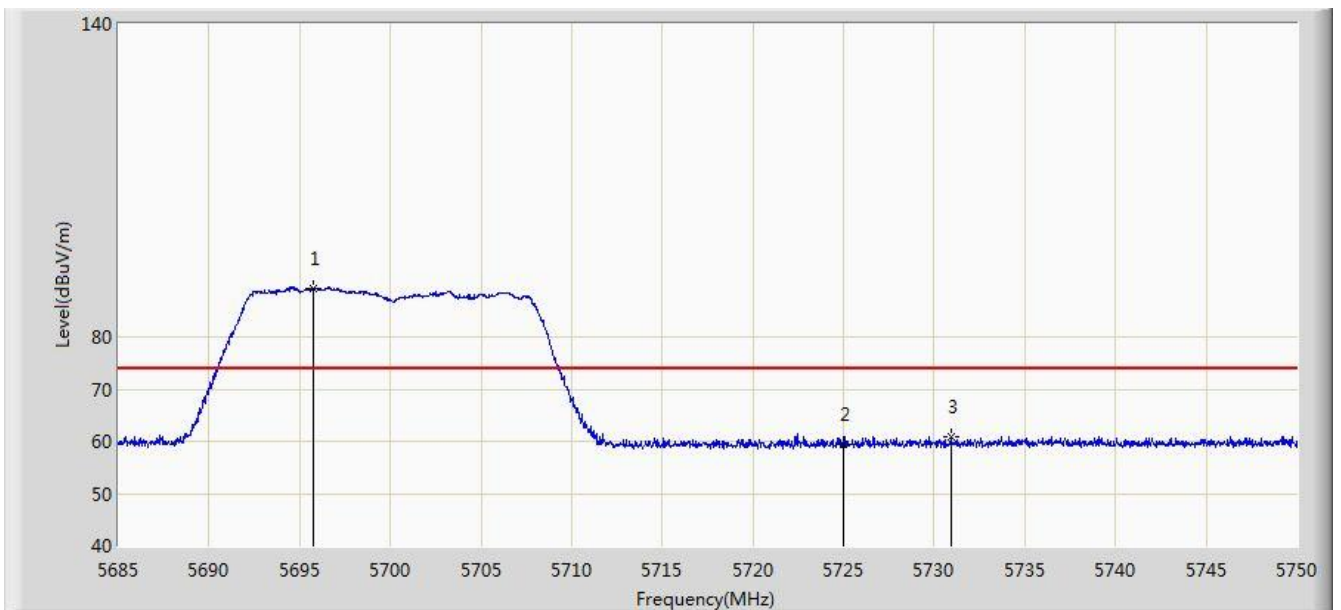| Site: AC1 | Time: 2016/11/17 - 10:20 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 50.020 | 45.840 | -3.980 | 54.000 | 4.180 | AV |
| 2 | | | 5470.000 | 52.316 | 48.114 | -1.684 | 54.000 | 4.202 | AV |
| 3 | X | * | 5496.735 | 109.368 | 105.105 | N/A | N/A | 4.264 | AV |

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

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

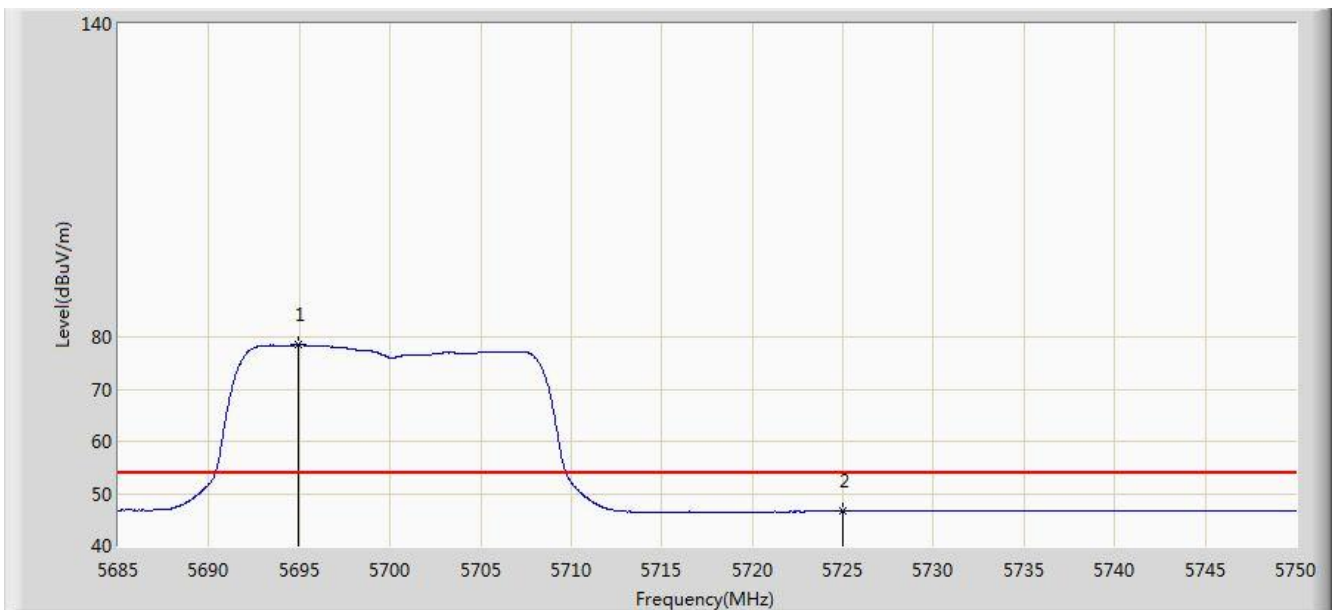| Site: AC1 | Time: 2016/11/17 - 10:32 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5700MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5695.790 | 89.382 | 84.526 | N/A | N/A | 4.855 | PK |
| 2 | | | 5725.000 | 59.418 | 54.389 | -14.582 | 74.000 | 5.029 | PK |
| 3 | | | 5730.922 | 60.823 | 55.756 | -13.177 | 74.000 | 5.067 | PK |

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

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

| Site: AC1 | Time: 2016/11/17 - 10:34 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5700MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5694.978 | 78.490 | 73.638 | N/A | N/A | 4.852 | AV |
| 2 | | | 5725.000 | 46.608 | 41.579 | -7.392 | 54.000 | 5.029 | AV |

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

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

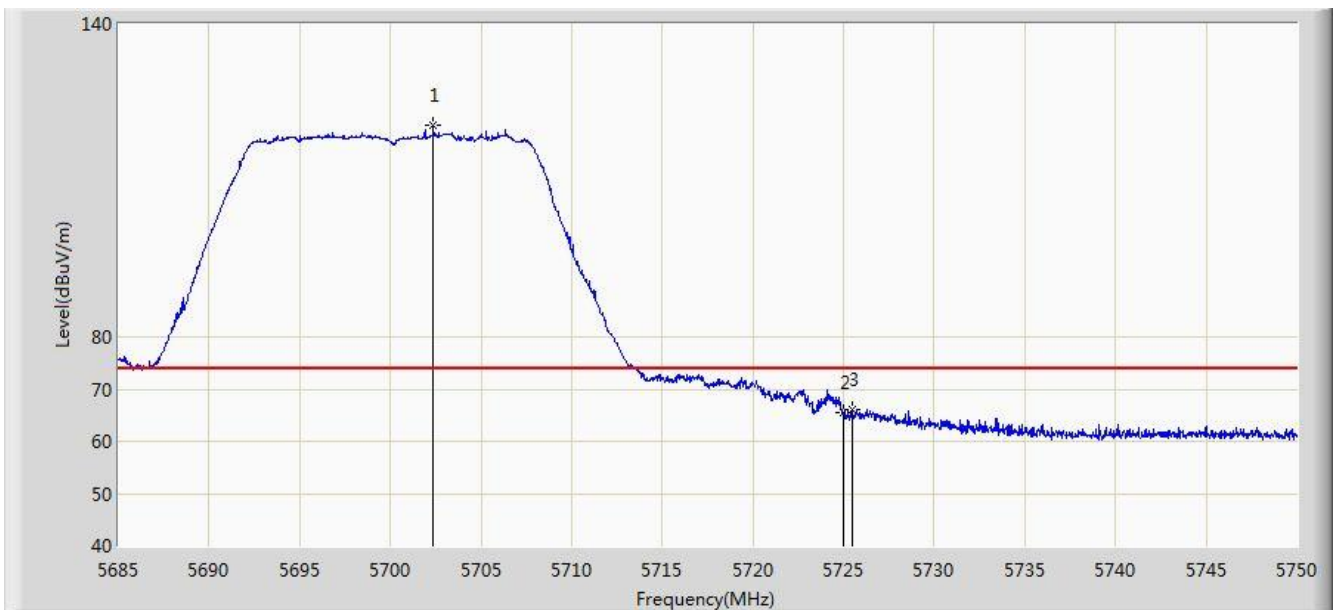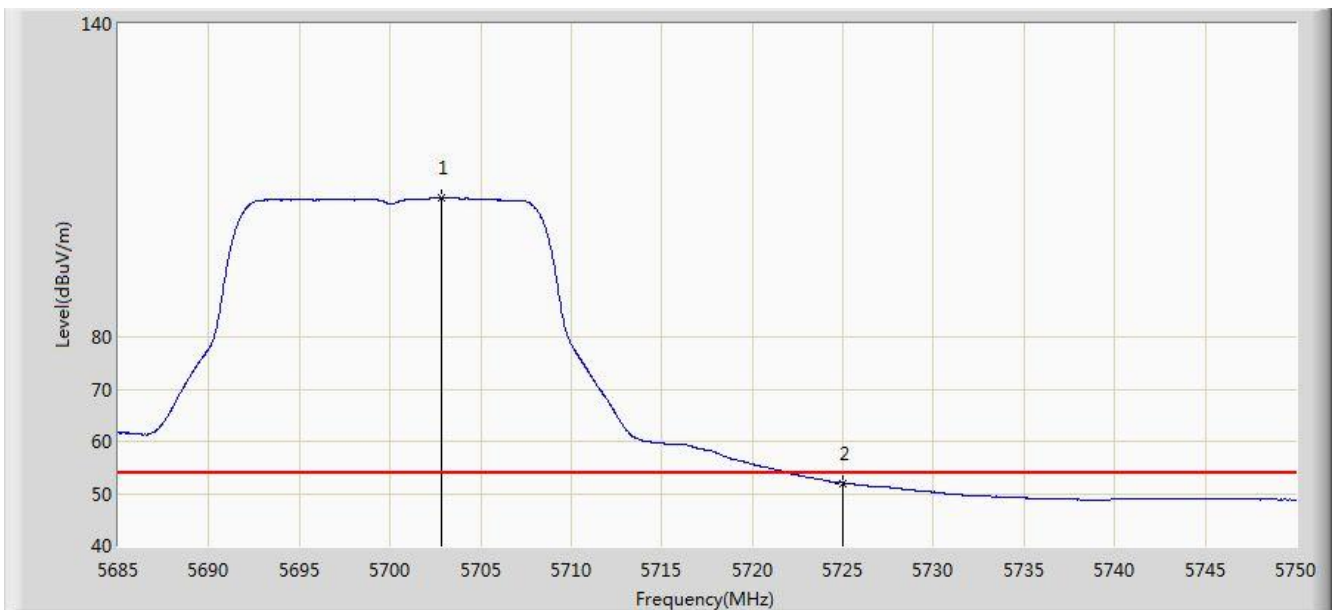| | |
|---|---|
| Site: AC1 | Time: 2016/11/17 - 10:31 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5700MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5702.355 | 120.594 | 115.703 | N/A | N/A | 4.891 | PK |
| 2 | | | 5725.000 | 65.519 | 60.490 | -8.481 | 74.000 | 5.029 | PK |
| 3 | | | 5725.495 | 66.060 | 61.028 | -7.940 | 74.000 | 5.032 | PK |

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

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

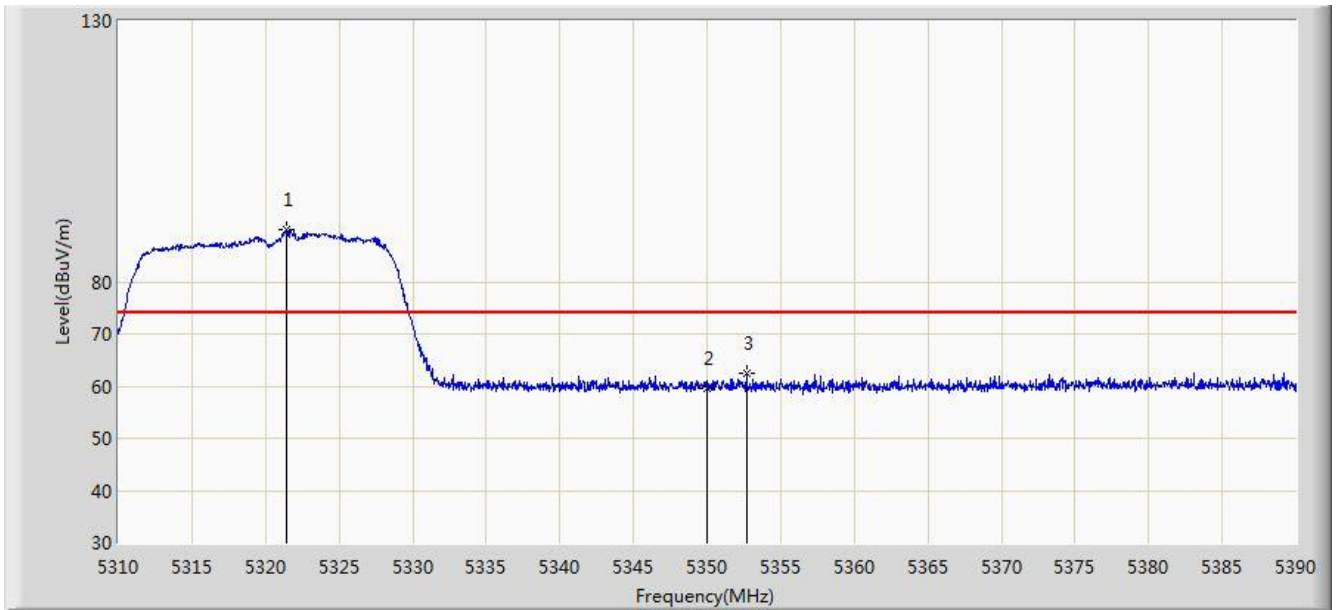| Site: AC1 | Time: 2016/11/17 - 10:29 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5700MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5702.842 | 106.708 | 101.815 | N/A | N/A | 4.893 | AV |
| 2 | | | 5725.000 | 52.018 | 46.989 | -1.982 | 54.000 | 5.029 | AV |

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

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

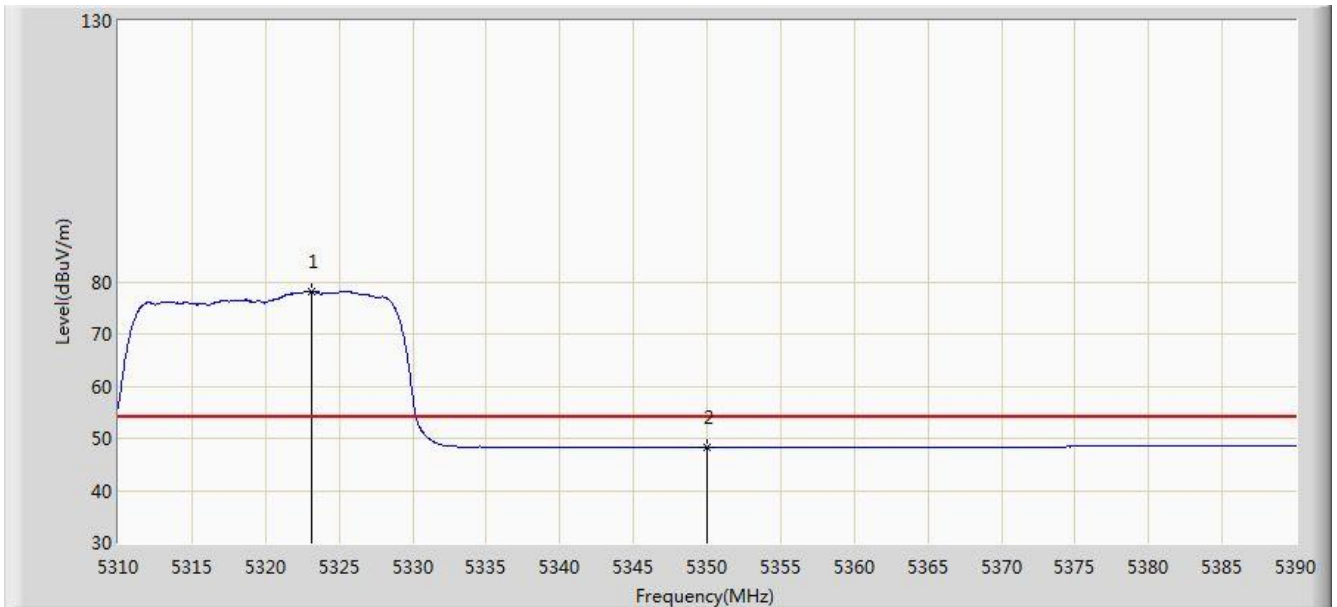| Site: AC1 | Time: 2016/11/05 - 15:58 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5321.400 | 89.937 | 86.086 | N/A | N/A | 3.851 | PK |
| 2 | | | 5350.000 | 59.446 | 55.541 | -14.554 | 74.000 | 3.904 | PK |
| 3 | | | 5352.680 | 62.532 | 58.622 | -11.468 | 74.000 | 3.910 | PK |

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

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

| Site: AC1 | Time: 2016/11/05 - 16:00 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5323.160 | 78.214 | 74.359 | N/A | N/A | 3.854 | AV |
| 2 | | | 5350.000 | 48.322 | 44.417 | -5.678 | 54.000 | 3.904 | AV |

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

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

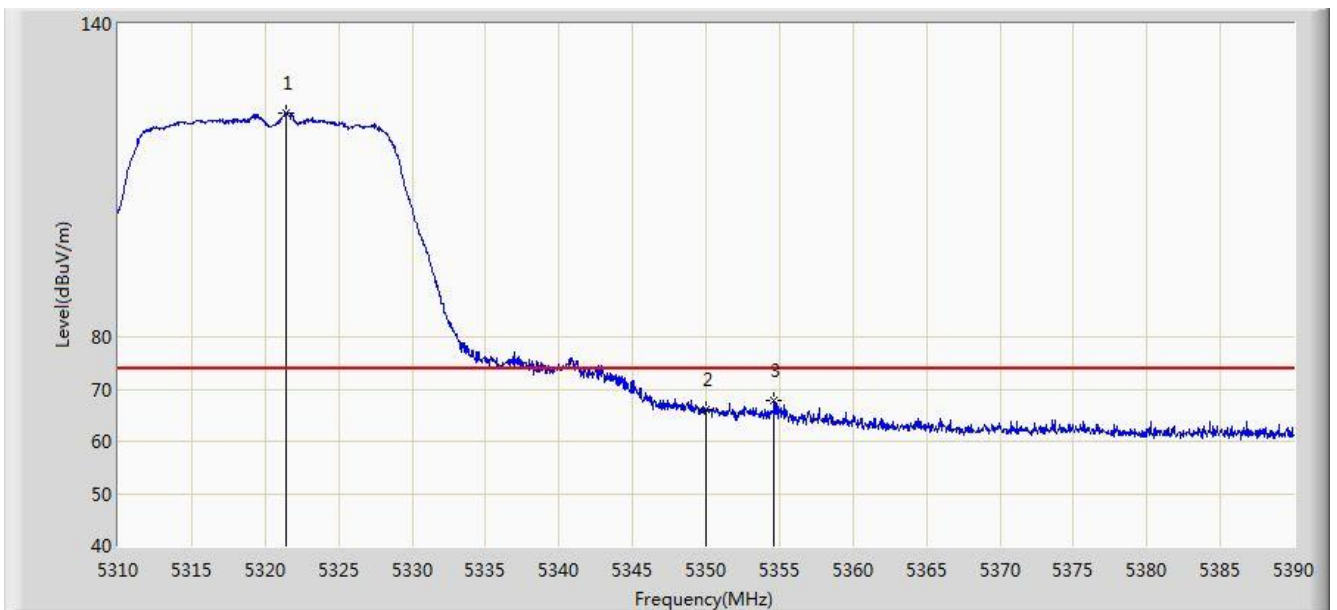| | |
|---|---|
| Site: AC1 | Time: 2016/11/05 - 15:56 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5321.400 | 122.770 | 118.919 | N/A | N/A | 3.851 | PK |
| 2 | | | 5350.000 | 66.046 | 62.141 | -7.954 | 74.000 | 3.904 | PK |
| 3 | | | 5354.640 | 67.756 | 63.843 | -6.244 | 74.000 | 3.913 | PK |

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

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

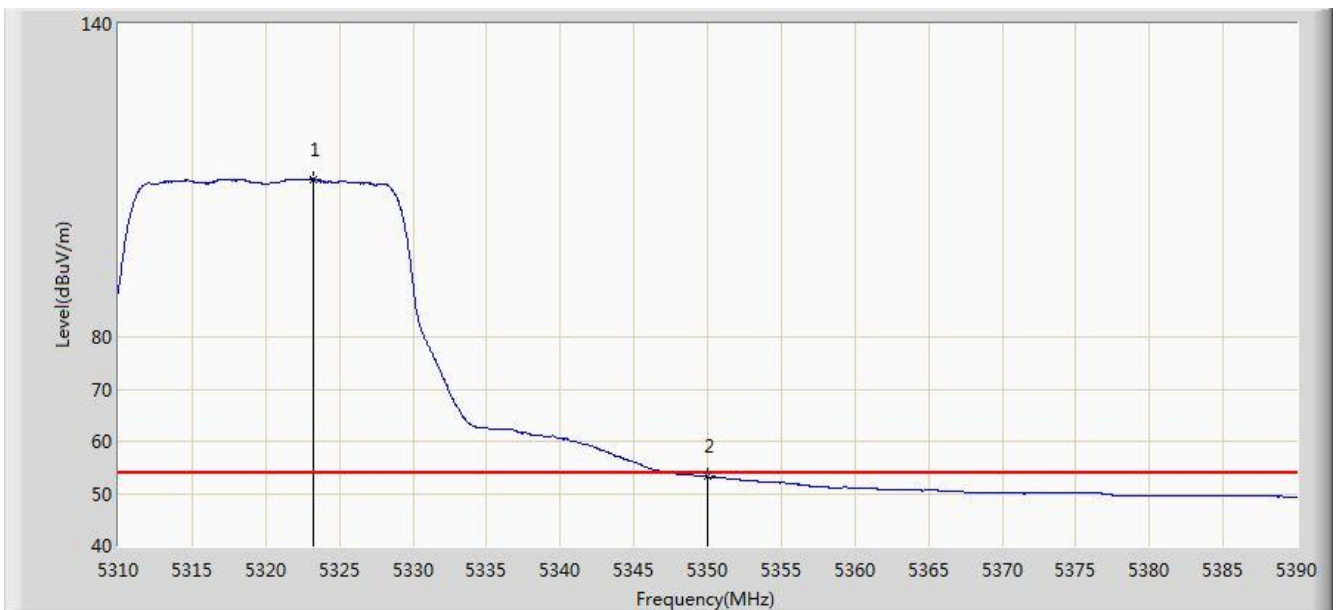| Site: AC1 | Time: 2016/11/05 - 15:57 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | X | * | 5323.280 | 110.256 | 106.401 | N/A | N/A | 3.855 | AV |
| 2 | | | 5350.000 | 53.214 | 49.309 | -0.786 | 54.000 | 3.904 | AV |

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

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

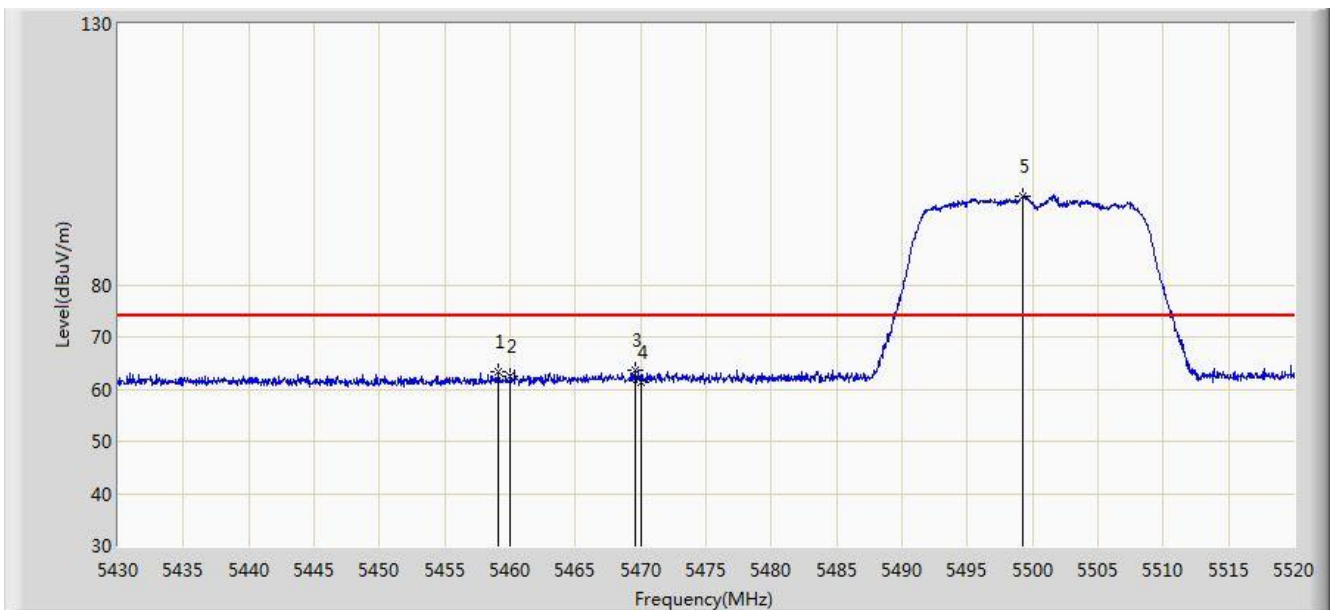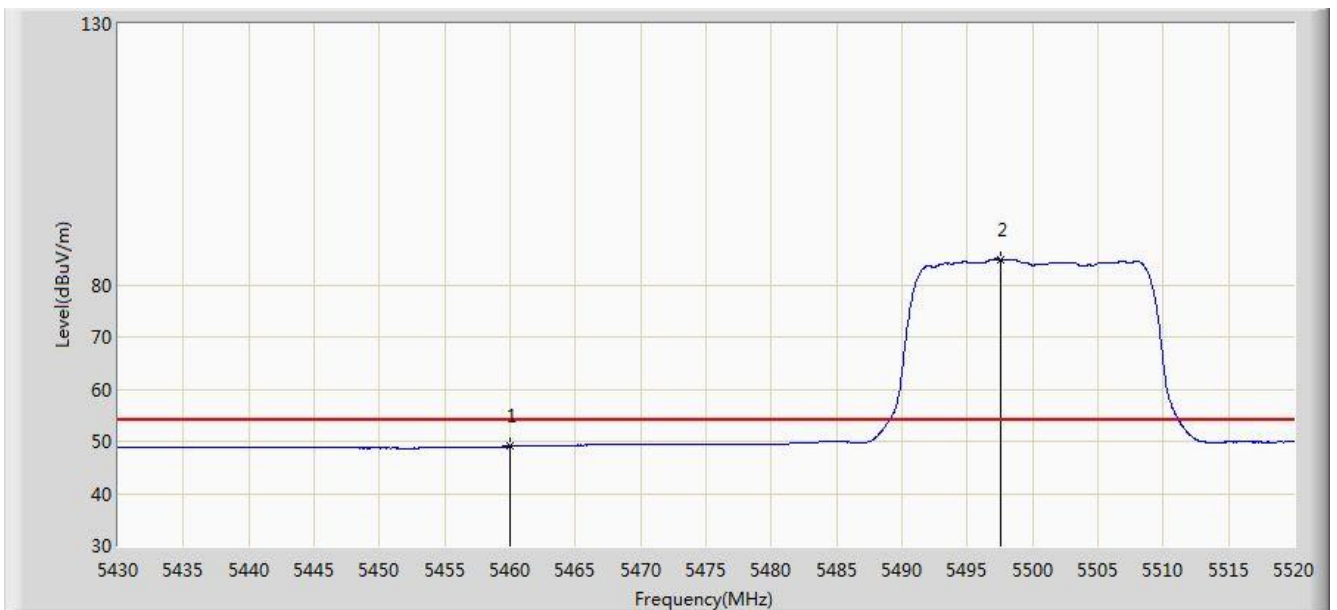| Site: AC1 | Time: 2016/11/05 - 16:06 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5459.115 | 63.233 | 59.055 | -10.767 | 74.000 | 4.178 | PK |
| 2 | | | 5460.000 | 62.328 | 58.148 | -11.672 | 74.000 | 4.180 | PK |
| 3 | | | 5469.600 | 63.676 | 59.475 | -10.324 | 74.000 | 4.202 | PK |
| 4 | | | 5470.000 | 61.351 | 57.149 | -12.649 | 74.000 | 4.202 | PK |
| 5 | | * | 5499.255 | 96.962 | 92.692 | N/A | N/A | 4.270 | PK |

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

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

| Site: AC1 | Time: 2016/11/05 - 16:07 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 48.996 | 44.816 | -5.004 | 54.000 | 4.180 | AV |
| 2 | | * | 5497.545 | 84.883 | 80.618 | N/A | N/A | 4.265 | AV |

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

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

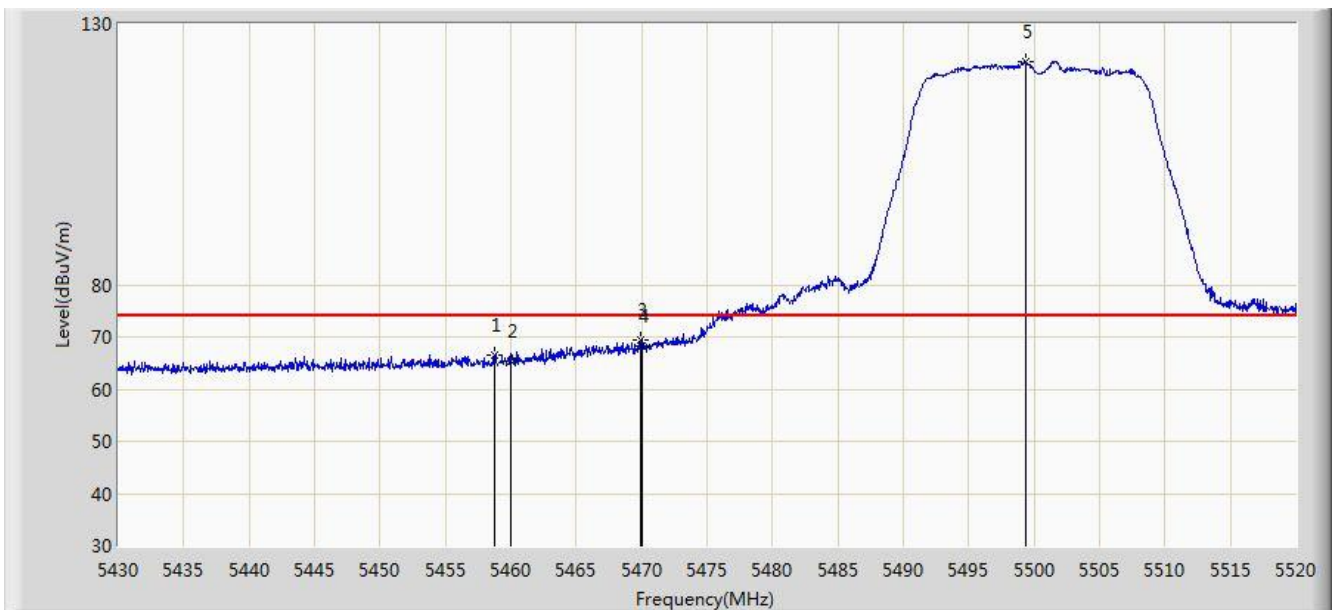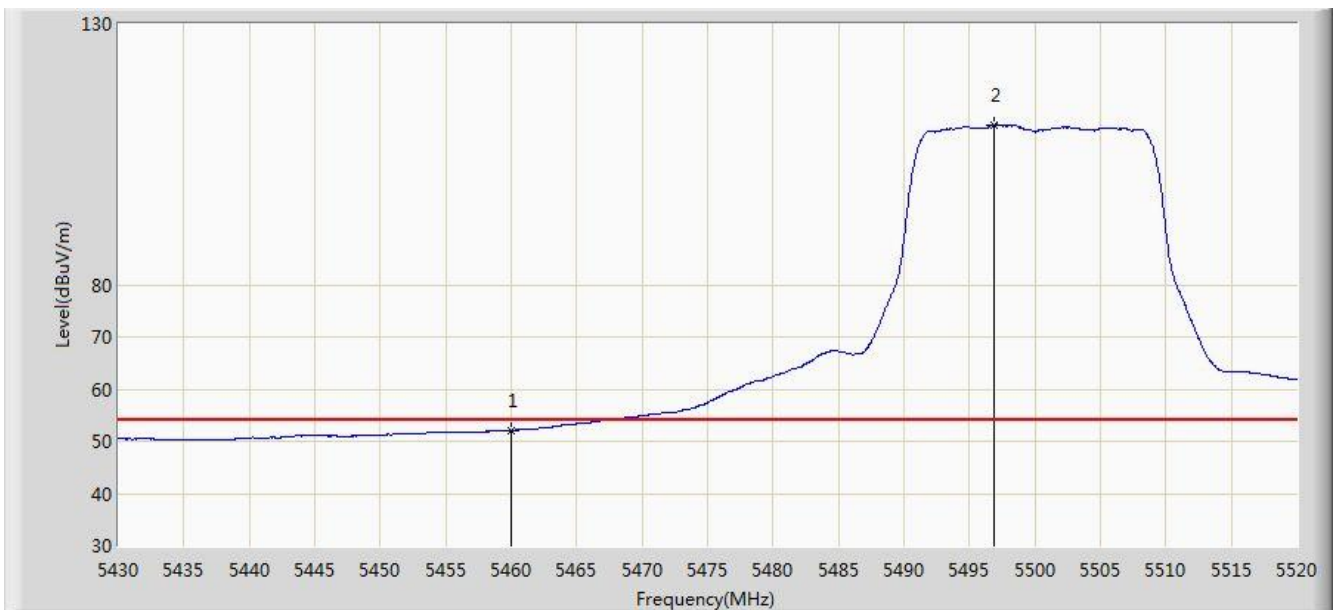| Site: AC1 | Time: 2016/11/05 - 16:03 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5458.710 | 66.559 | 62.381 | -7.441 | 74.000 | 4.178 | PK |
| 2 | | | 5460.000 | 65.401 | 61.221 | -8.599 | 74.000 | 4.180 | PK |
| 3 | | | 5469.915 | 69.388 | 65.186 | -4.612 | 74.000 | 4.202 | PK |
| 4 | | | 5470.000 | 68.127 | 63.925 | -5.873 | 74.000 | 4.202 | PK |
| 5 | | * | 5499.390 | 122.770 | 118.500 | N/A | N/A | 4.270 | PK |

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

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

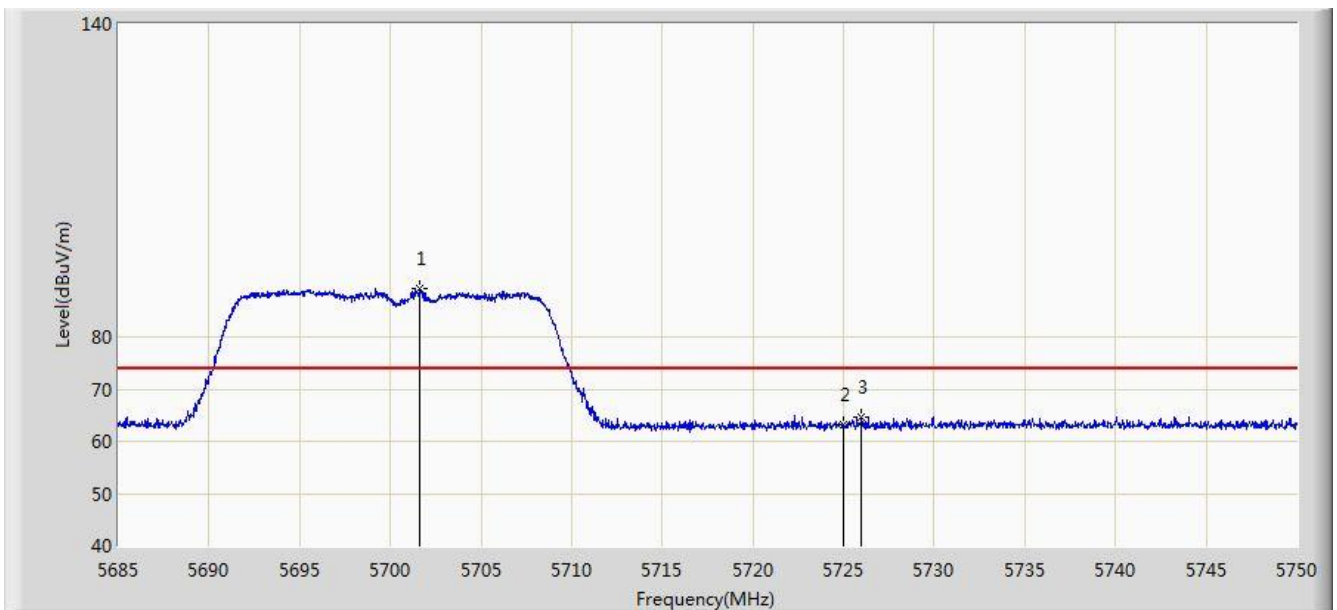| Site: AC1 | Time: 2016/11/05 - 16:05 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 5500MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 52.154 | 47.974 | -1.846 | 54.000 | 4.180 | AV |
| 2 | X | * | 5496.870 | 110.656 | 106.393 | N/A | N/A | 4.264 | AV |

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

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

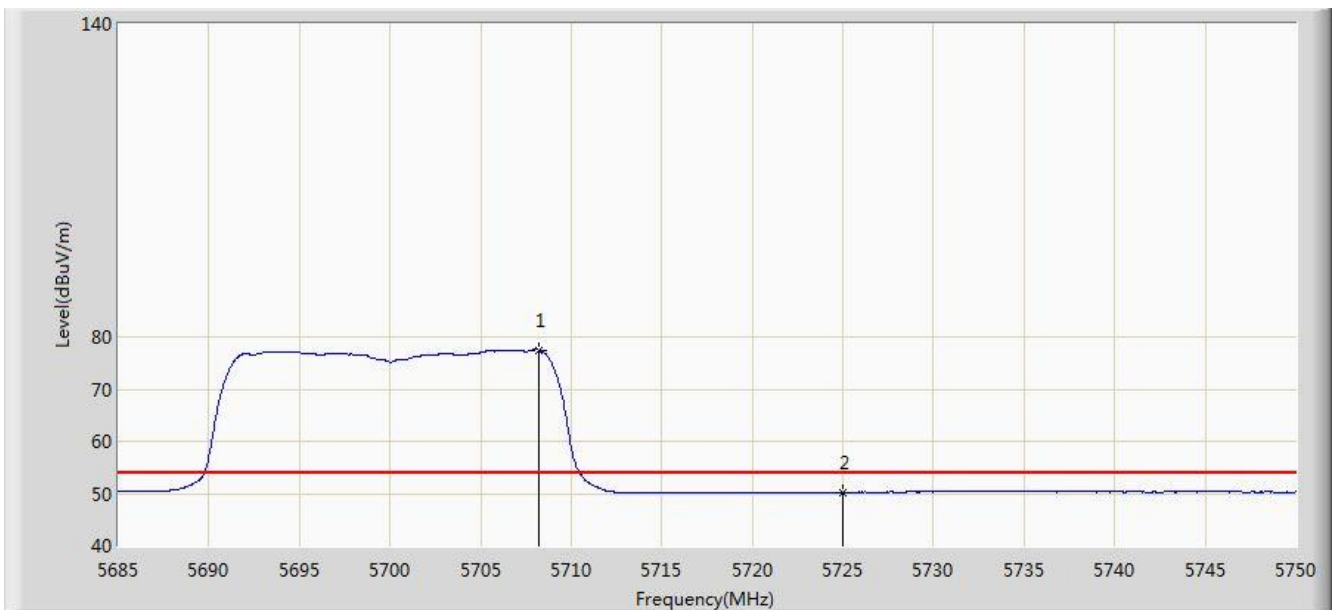| Site: AC1 | Time: 2016/11/05 - 16:13 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 5700MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5701.640 | 89.218 | 84.331 | N/A | N/A | 4.887 | PK |
| 2 | | | 5725.000 | 63.062 | 58.033 | -10.938 | 74.000 | 5.029 | PK |
| 3 | | | 5725.982 | 64.709 | 59.674 | -9.291 | 74.000 | 5.036 | PK |

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

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

| Site: AC1 | Time: 2016/11/05 - 16:15 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 5700MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5708.205 | 77.535 | 72.613 | N/A | N/A | 4.922 | AV |
| 2 | | | 5725.000 | 50.241 | 45.212 | -3.759 | 54.000 | 5.029 | AV |

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

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

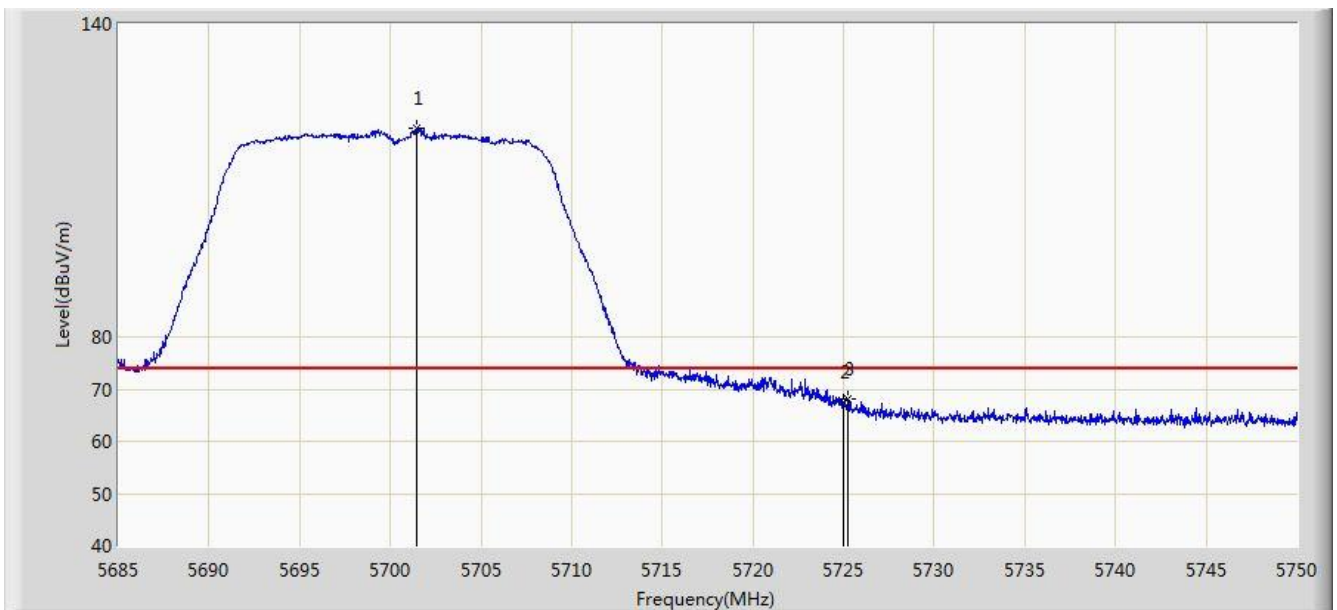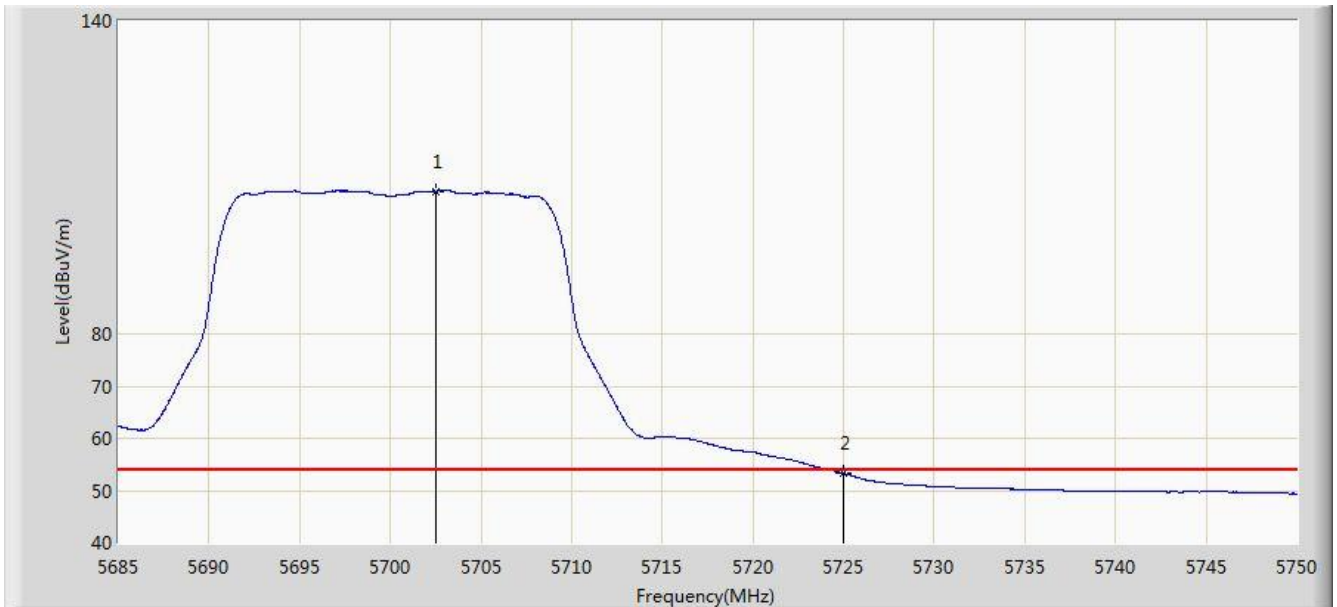| Site: AC1 | Time: 2016/11/05 - 16:13 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 5700MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5701.478 | 120.069 | 115.183 | N/A | N/A | 4.886 | PK |
| 2 | | | 5725.000 | 67.403 | 62.374 | -6.597 | 74.000 | 5.029 | PK |
| 3 | | | 5725.268 | 68.221 | 63.190 | -5.779 | 74.000 | 5.030 | PK |

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

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

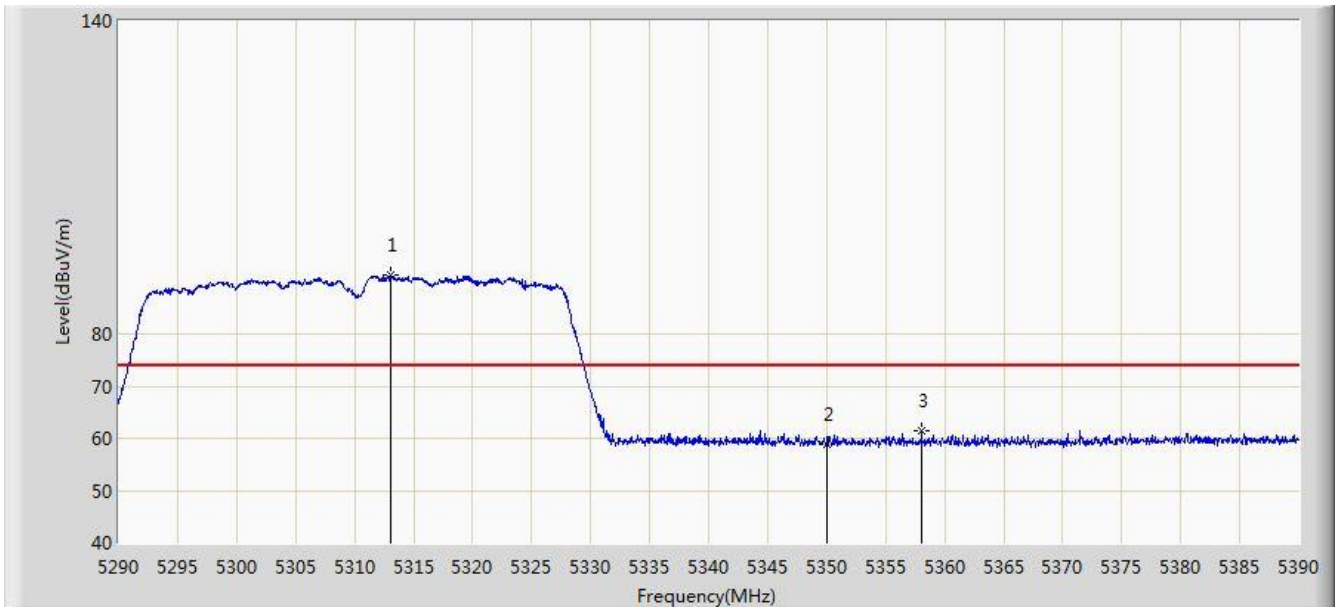| Site: AC1 | Time: 2016/11/05 - 16:12 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 5700MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5702.550 | 107.354 | 102.462 | N/A | N/A | 4.892 | AV |
| 2 | | | 5725.000 | 53.280 | 48.251 | -0.720 | 54.000 | 5.029 | AV |

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

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

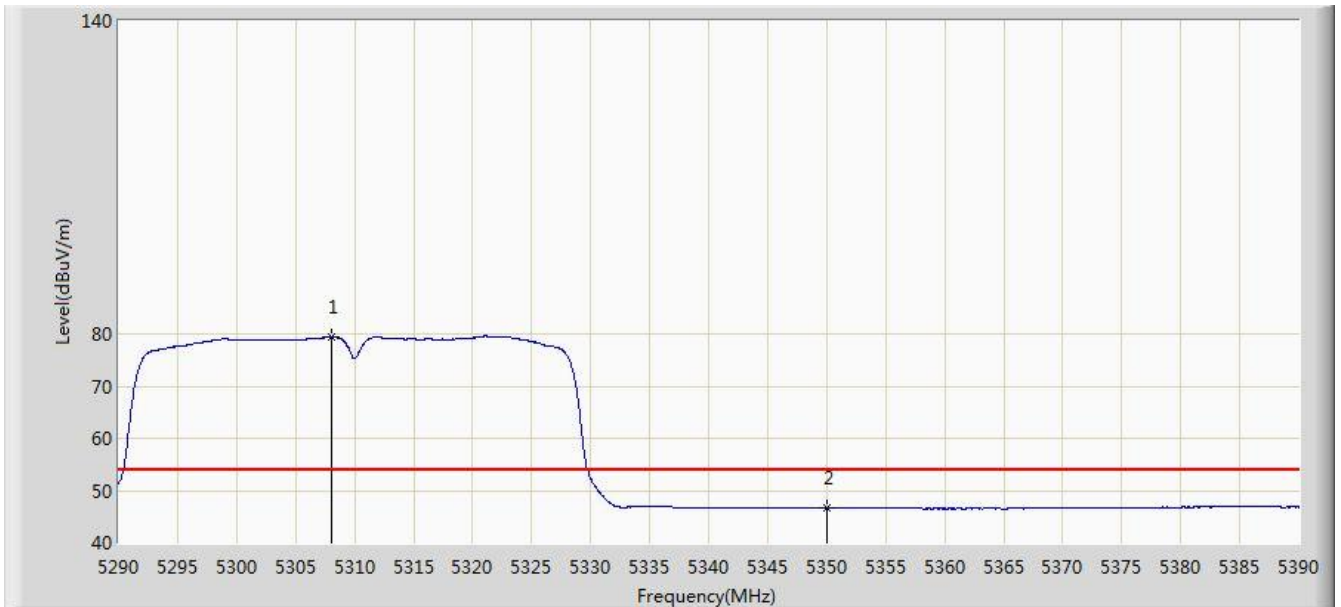| Site: AC1 | Time: 2016/11/05 - 16:34 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 5310MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5313.000 | 91.326 | 87.491 | N/A | N/A | 3.836 | PK |
| 2 | | | 5350.000 | 58.976 | 55.071 | -15.024 | 74.000 | 3.904 | PK |
| 3 | | | 5358.050 | 61.516 | 57.597 | -12.484 | 74.000 | 3.920 | PK |

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

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

| Site: AC1 | Time: 2016/11/05 - 16:36 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 5310MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5308.000 | 79.414 | 75.588 | N/A | N/A | 3.826 | AV |
| 2 | | | 5350.000 | 46.578 | 42.673 | -7.422 | 54.000 | 3.904 | AV |

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

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

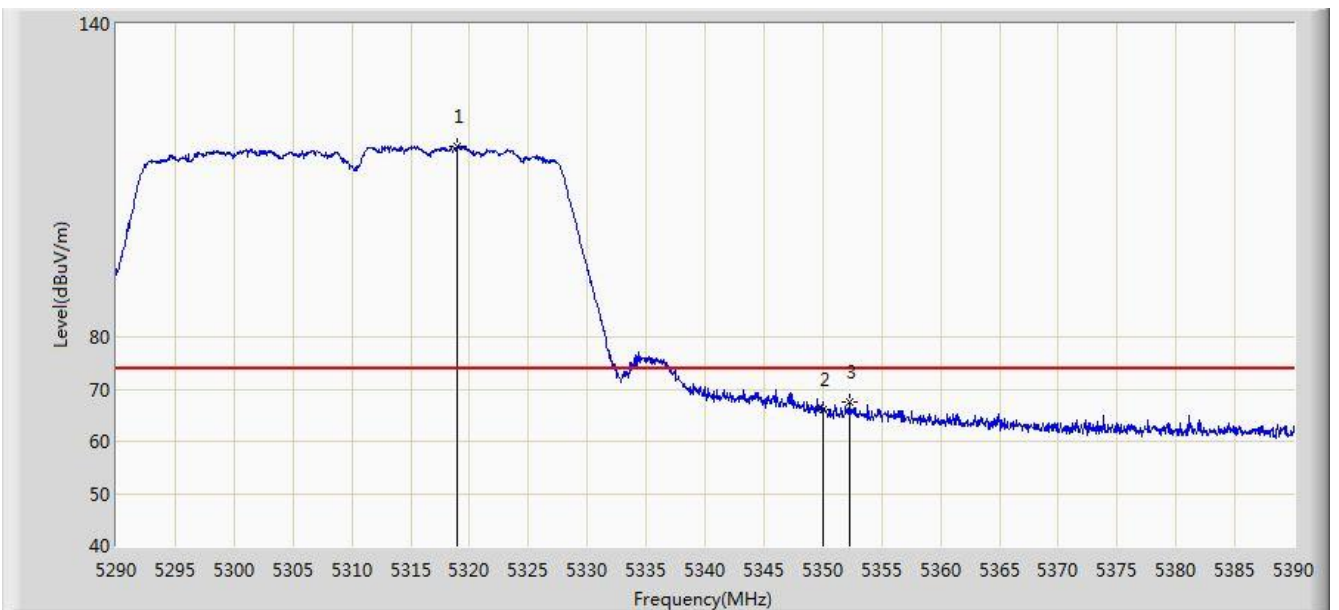| Site: AC1 | Time: 2016/11/05 - 16:34 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 5310MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5318.950 | 116.553 | 112.706 | N/A | N/A | 3.847 | PK |
| 2 | | | 5350.000 | 66.083 | 62.178 | -7.917 | 74.000 | 3.904 | PK |
| 3 | | | 5352.250 | 67.397 | 63.488 | -6.603 | 74.000 | 3.908 | PK |

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

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

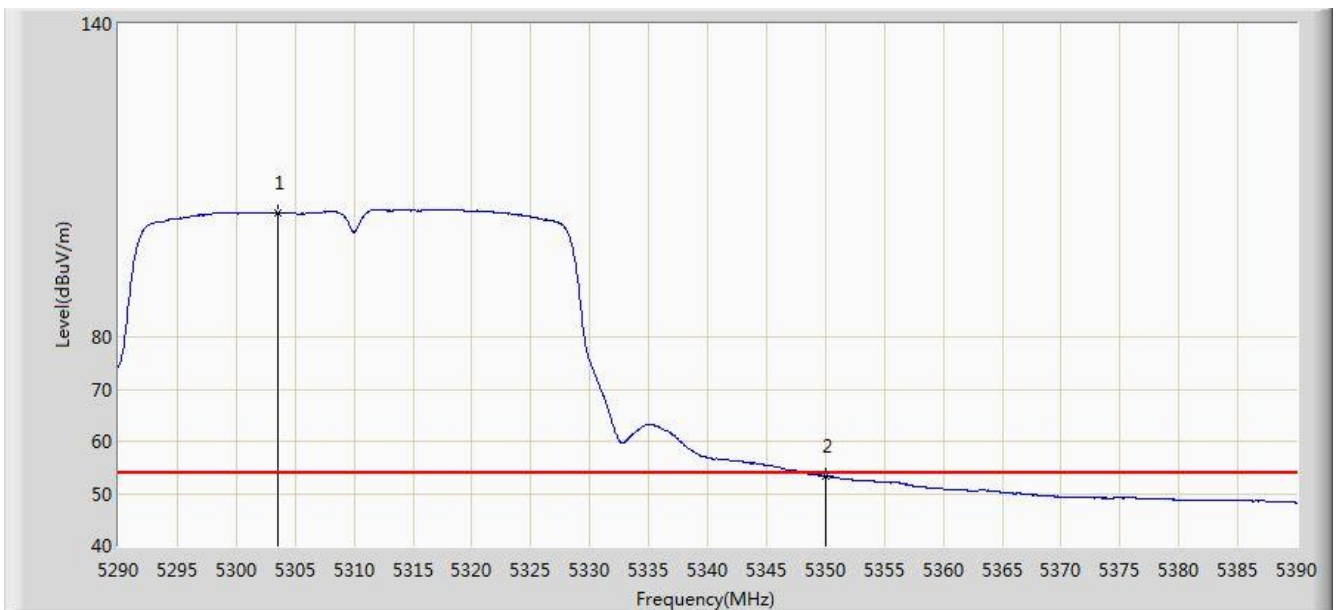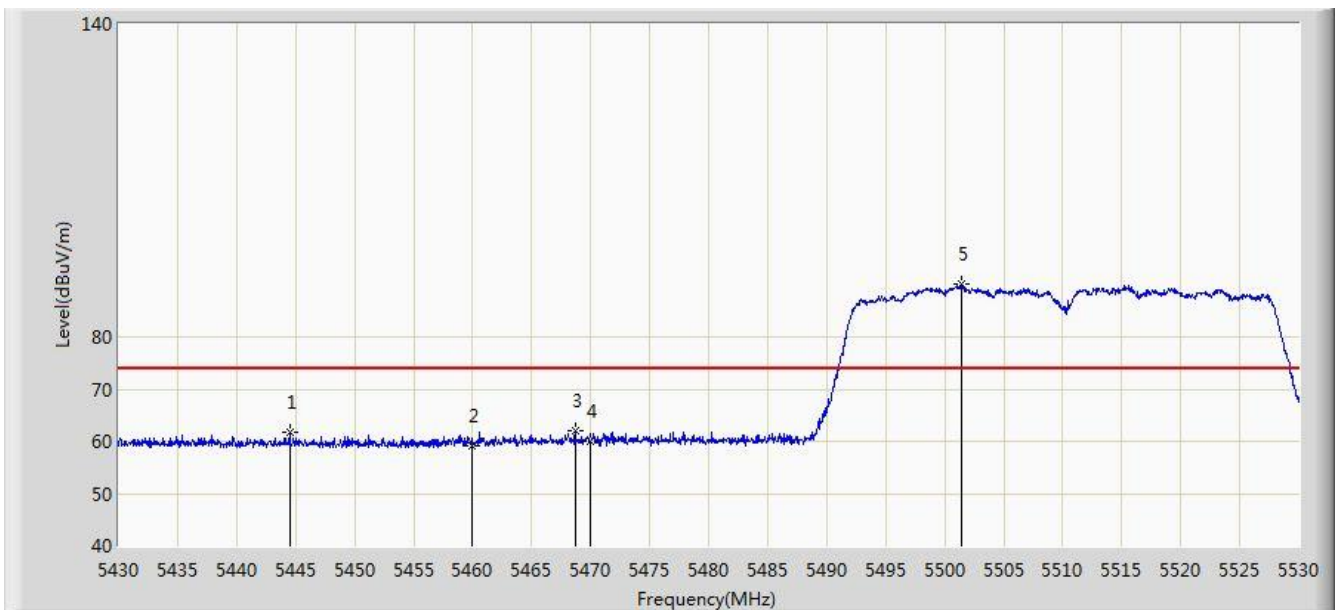| | |
|---|---|
| Site: AC1 | Time: 2016/11/05 - 16:32 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 5310MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5303.500 | 103.850 | 100.032 | N/A | N/A | 3.818 | AV |
| 2 | | | 5350.000 | 53.375 | 49.470 | -0.625 | 54.000 | 3.904 | AV |

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

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

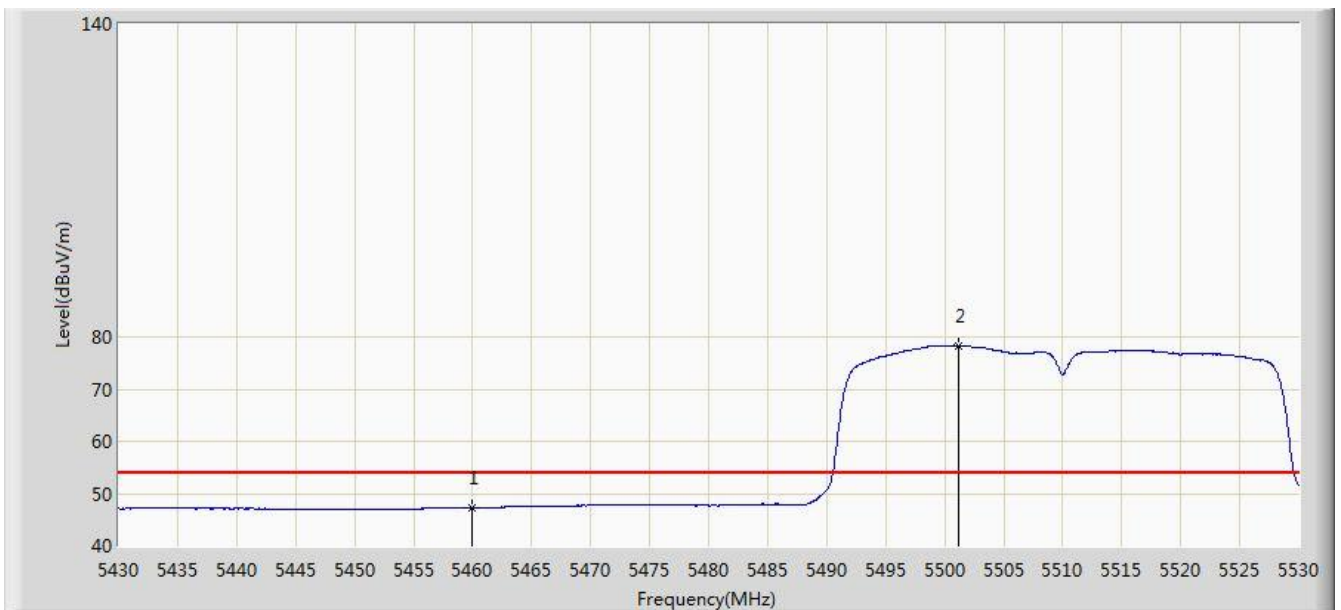| Site: AC1 | Time: 2016/11/05 - 16:42 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 5510MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5444.500 | 61.796 | 57.658 | -12.204 | 74.000 | 4.137 | PK |
| 2 | | | 5460.000 | 59.239 | 55.059 | -14.761 | 74.000 | 4.180 | PK |
| 3 | | | 5468.700 | 61.928 | 57.729 | -12.072 | 74.000 | 4.199 | PK |
| 4 | | | 5470.000 | 60.003 | 55.801 | -13.997 | 74.000 | 4.202 | PK |
| 5 | | * | 5501.400 | 90.009 | 85.733 | N/A | N/A | 4.275 | PK |

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

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

| Site: AC1 | Time: 2016/11/05 - 16:43 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 5510MHz Ant 1 ||



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 47.278 | 43.098 | -6.722 | 54.000 | 4.180 | AV |
| 2 | | * | 5501.200 | 78.357 | 74.081 | N/A | N/A | 4.275 | AV |

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

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

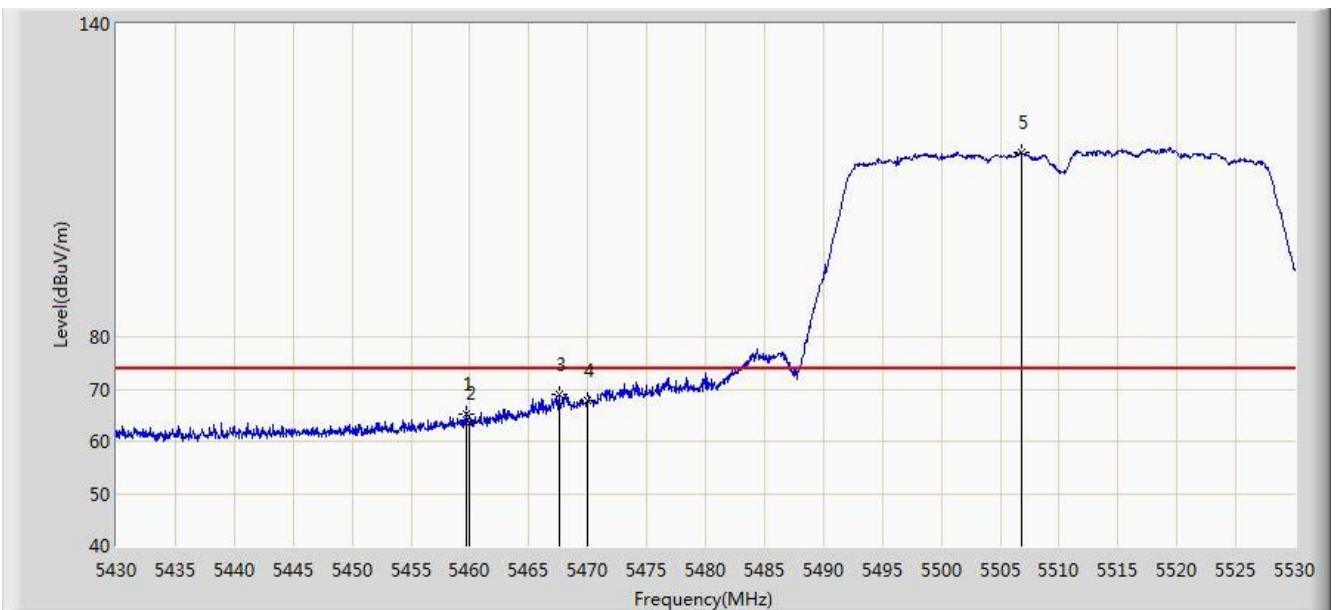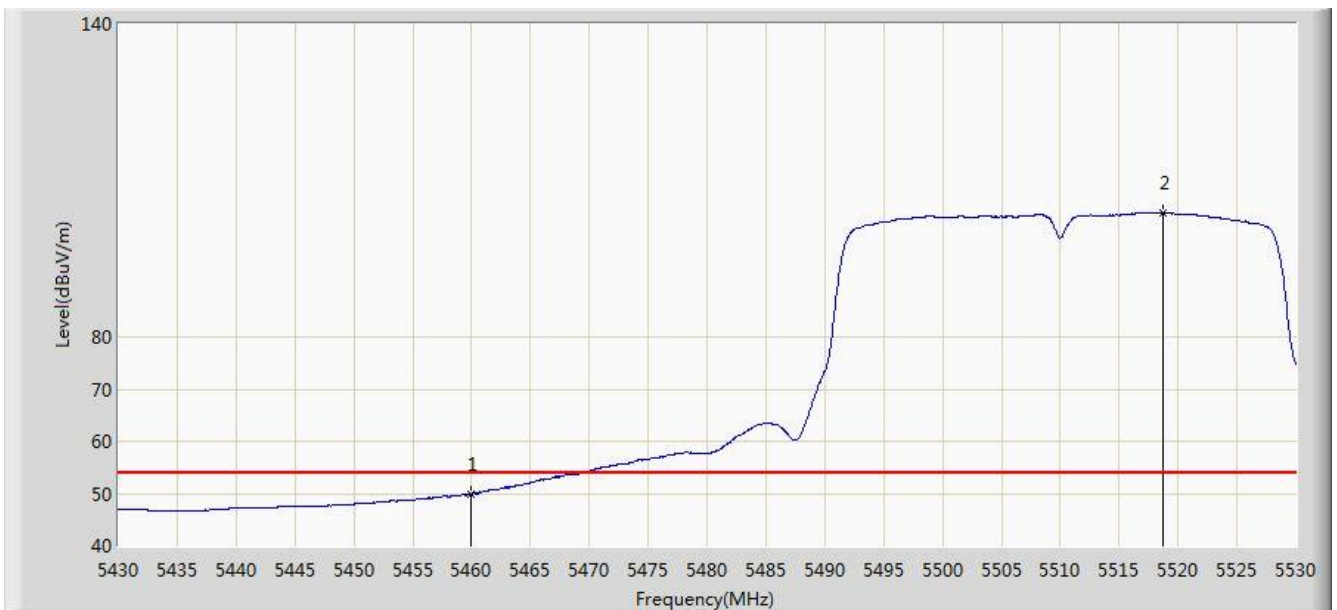| Site: AC1 | Time: 2016/11/05 - 16:40 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 5510MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5459.650 | 65.361 | 61.181 | -8.639 | 74.000 | 4.180 | PK |
| 2 | | | 5460.000 | 63.358 | 59.178 | -10.642 | 74.000 | 4.180 | PK |
| 3 | | | 5467.550 | 69.074 | 64.877 | -4.926 | 74.000 | 4.197 | PK |
| 4 | | | 5470.000 | 67.950 | 63.748 | -6.050 | 74.000 | 4.202 | PK |
| 5 | | * | 5506.800 | 115.405 | 111.113 | N/A | N/A | 4.292 | PK |

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

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

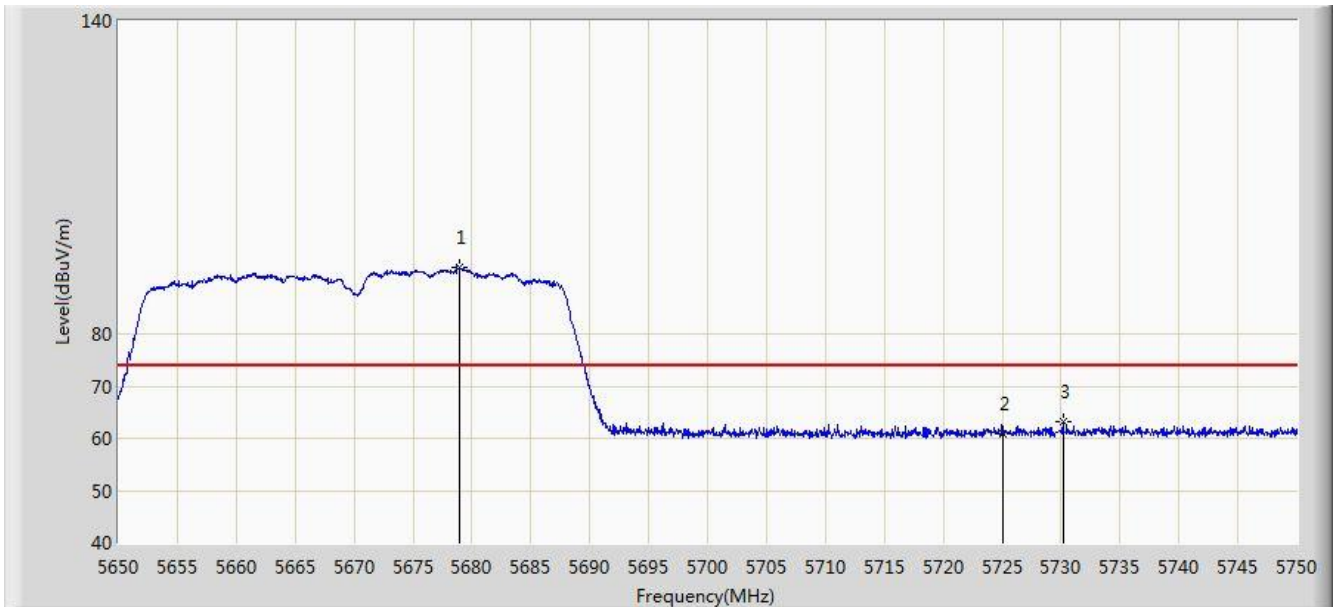| Site: AC1 | Time: 2016/11/05 - 16:41 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 5510MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 49.849 | 45.669 | -4.151 | 54.000 | 4.180 | AV |
| 2 | | * | 5518.750 | 103.837 | 99.510 | N/A | N/A | 4.328 | AV |

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

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

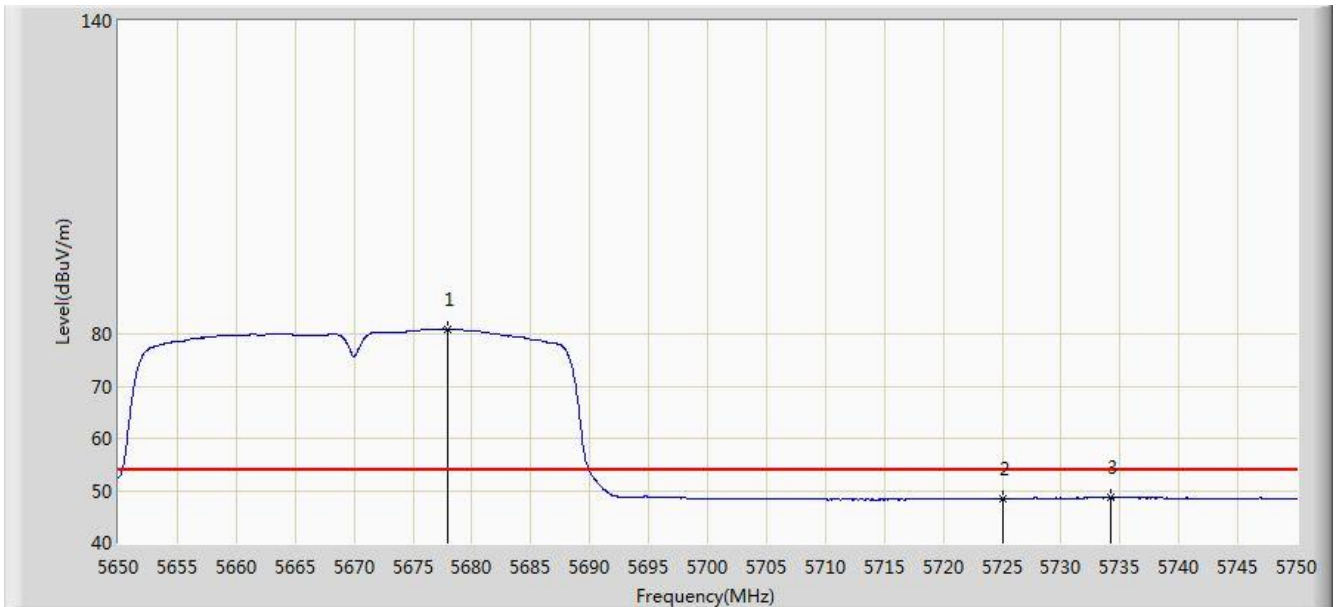| Site: AC1 | Time: 2016/11/05 - 16:49 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 5670MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5679.000 | 92.665 | 87.882 | N/A | N/A | 4.782 | PK |
| 2 | | | 5725.000 | 60.946 | 55.917 | -13.054 | 74.000 | 5.029 | PK |
| 3 | | | 5730.150 | 63.157 | 58.095 | -10.843 | 74.000 | 5.062 | PK |

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

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

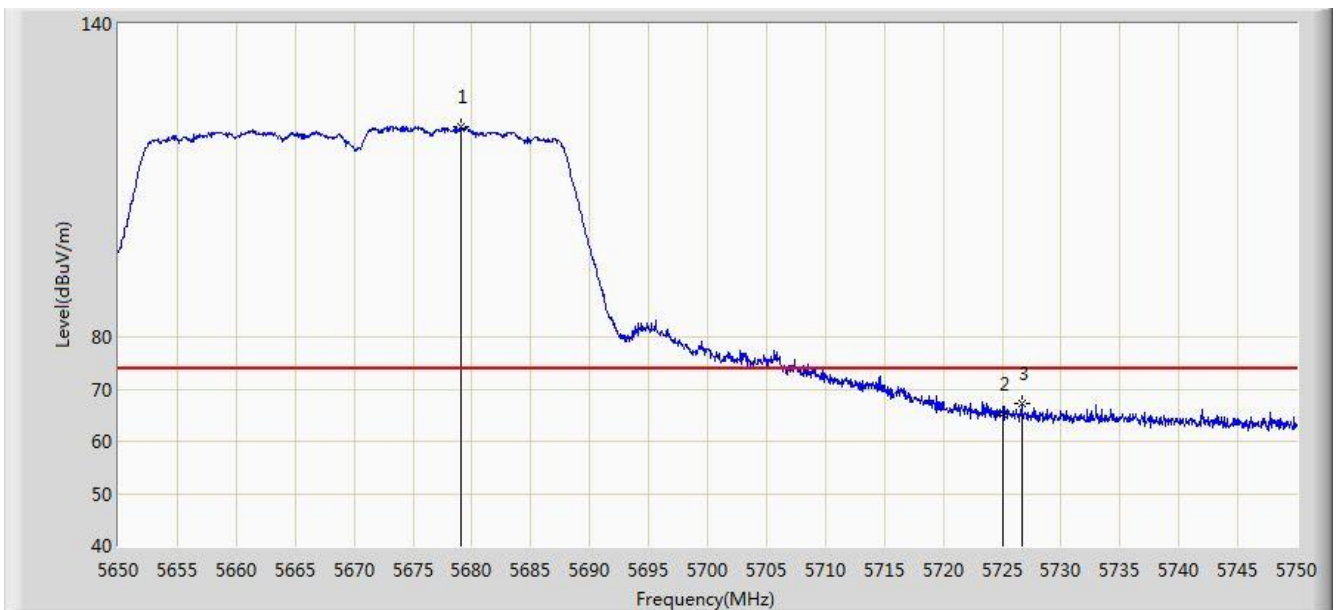| Site: AC1 | Time: 2016/11/05 - 16:50 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 5670MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5677.950 | 80.863 | 76.084 | N/A | N/A | 4.780 | AV |
| 2 | | | 5725.000 | 48.443 | 43.414 | -5.557 | 54.000 | 5.029 | AV |
| 3 | | | 5734.250 | 48.580 | 43.492 | -5.420 | 54.000 | 5.088 | AV |

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

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

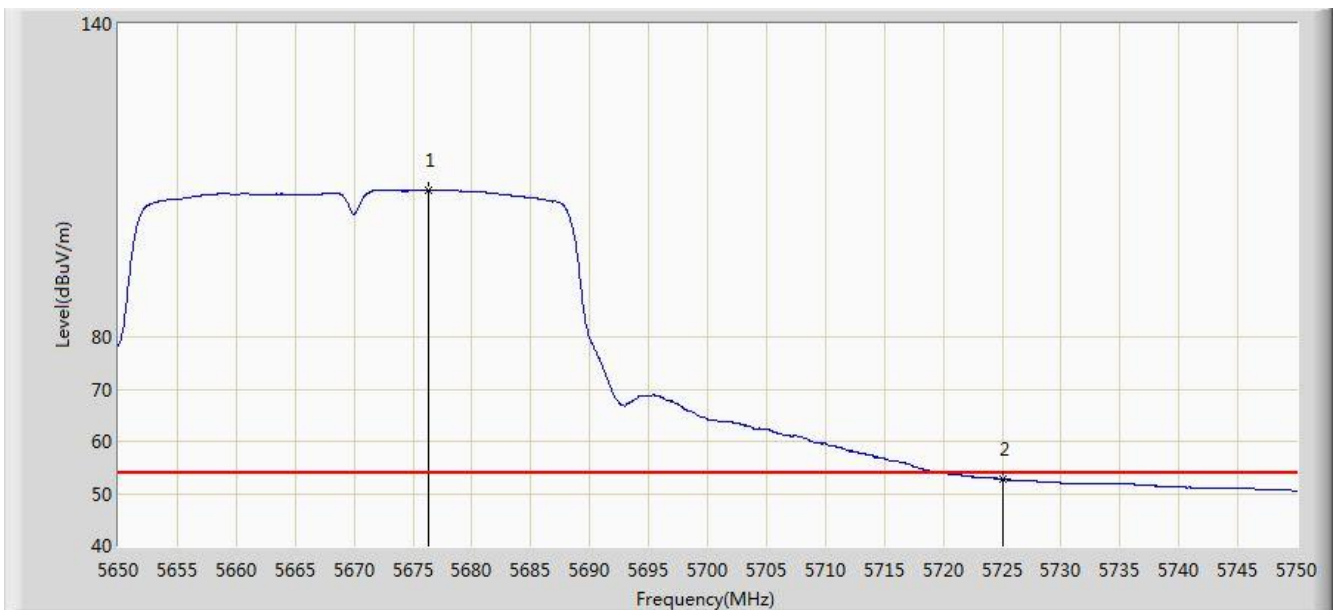| Site: AC1 | Time: 2016/11/05 - 16:48 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 5670MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5679.100 | 120.308 | 115.524 | N/A | N/A | 4.785 | PK |
| 2 | | | 5725.000 | 65.165 | 60.136 | -8.835 | 74.000 | 5.029 | PK |
| 3 | | | 5726.650 | 67.230 | 62.190 | -6.770 | 74.000 | 5.039 | PK |

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

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

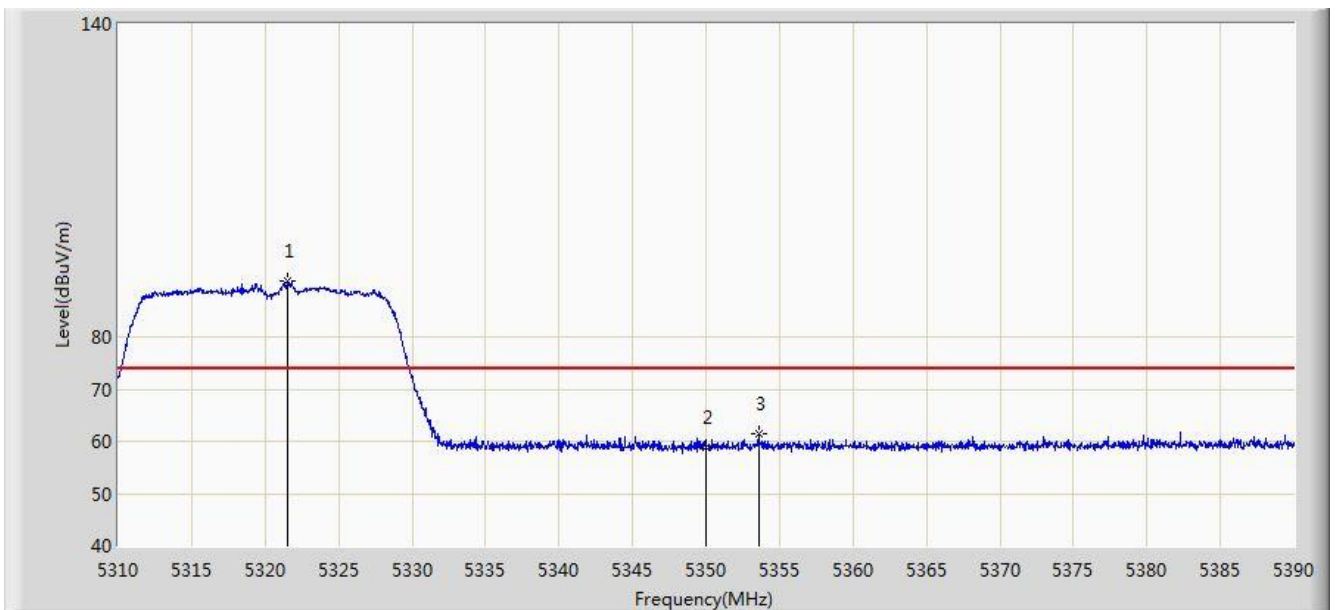| Site: AC1 | Time: 2016/11/05 - 16:47 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 5670MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | X | * | 5676.300 | 108.185 | 103.413 | N/A | N/A | 4.772 | AV |
| 2 | | | 5725.000 | 52.792 | 47.763 | -1.208 | 54.000 | 5.029 | AV |

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

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

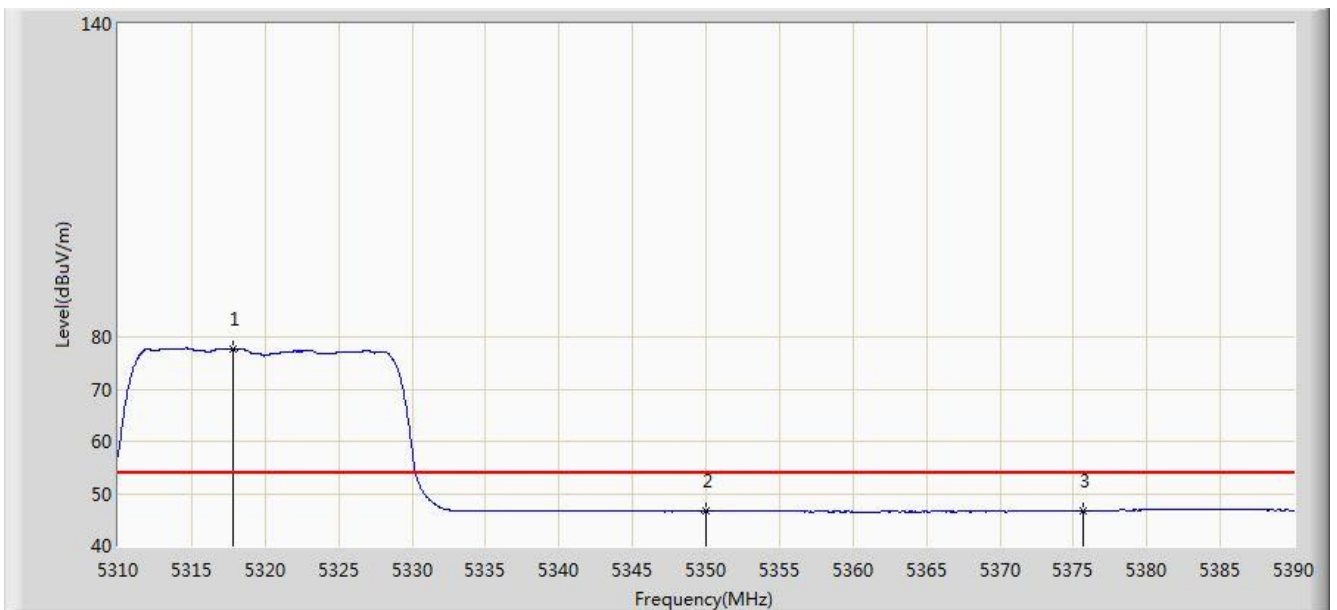| | |
|---|---|
| Site: AC1 | Time: 2016/11/05 - 17:06 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5321.520 | 90.659 | 86.808 | N/A | N/A | 3.851 | PK |
| 2 | | | 5350.000 | 58.808 | 54.903 | -15.192 | 74.000 | 3.904 | PK |
| 3 | | | 5353.560 | 61.489 | 57.578 | -12.511 | 74.000 | 3.911 | PK |

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

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

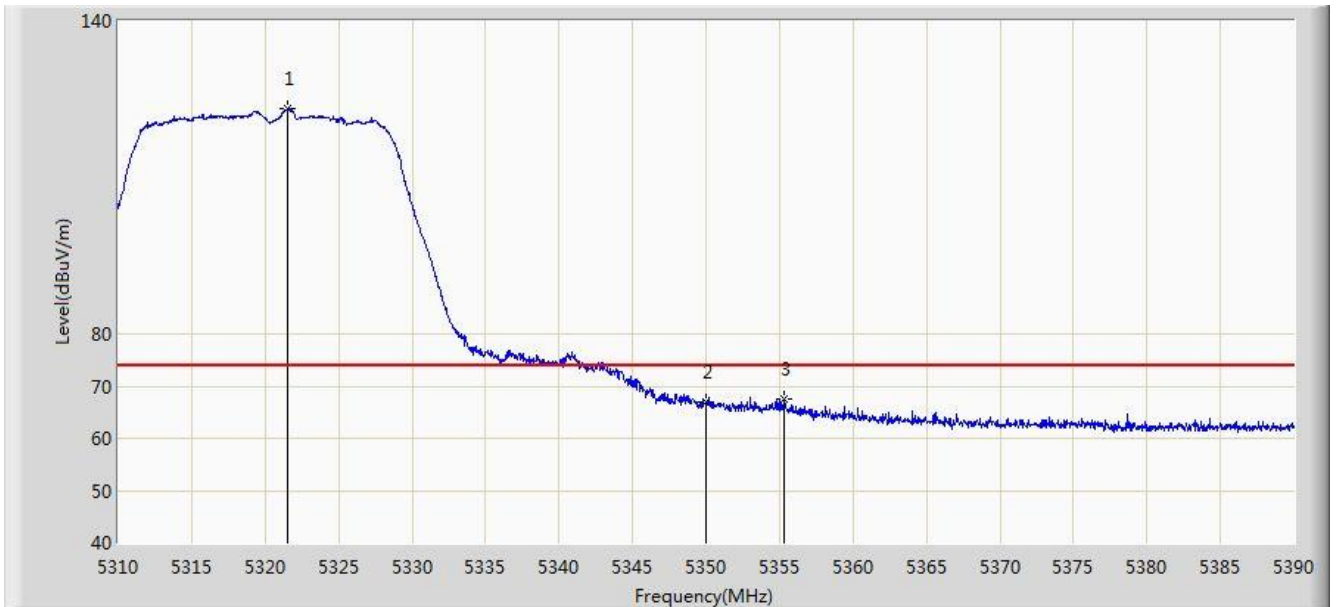| Site: AC1 | Time: 2016/11/05 - 17:07 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5317.800 | 77.737 | 73.893 | N/A | N/A | 3.845 | AV |
| 2 | | | 5350.000 | 46.615 | 42.710 | -7.385 | 54.000 | 3.904 | AV |
| 3 | | | 5375.640 | 46.680 | 42.729 | -7.320 | 54.000 | 3.951 | AV |

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

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

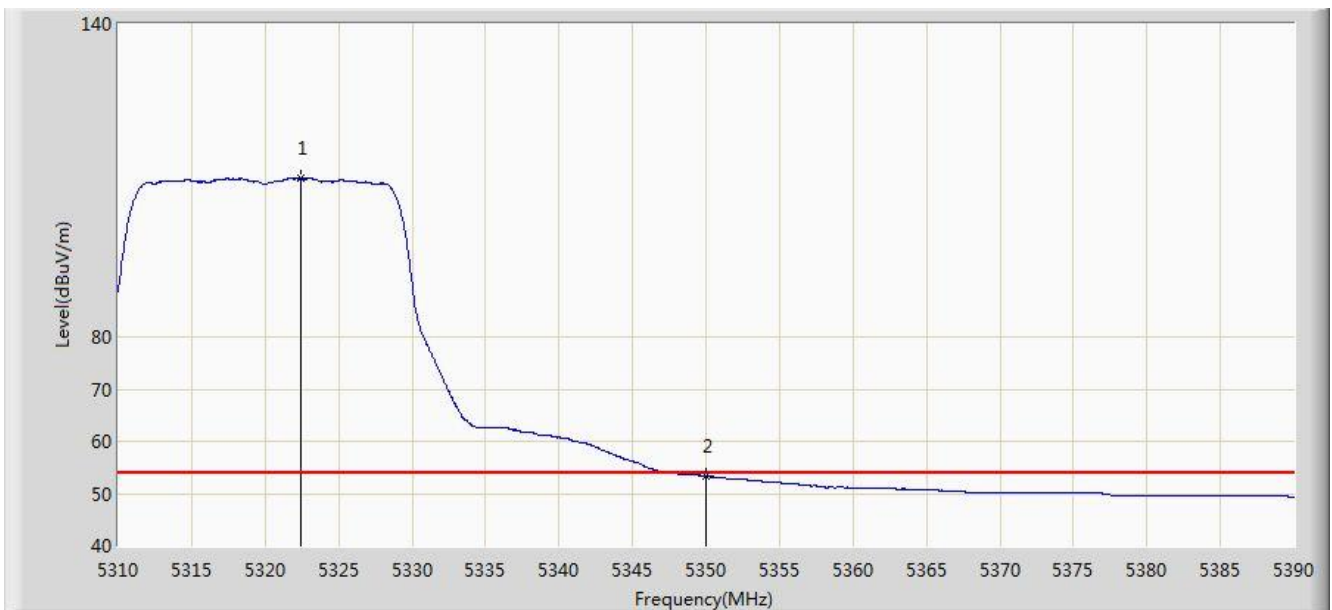| Site: AC1 | Time: 2016/11/05 - 17:04 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5321.480 | 123.083 | 119.232 | N/A | N/A | 3.851 | PK |
| 2 | | | 5350.000 | 67.060 | 63.155 | -6.940 | 74.000 | 3.904 | PK |
| 3 | | | 5355.280 | 67.603 | 63.689 | -6.397 | 74.000 | 3.915 | PK |

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

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

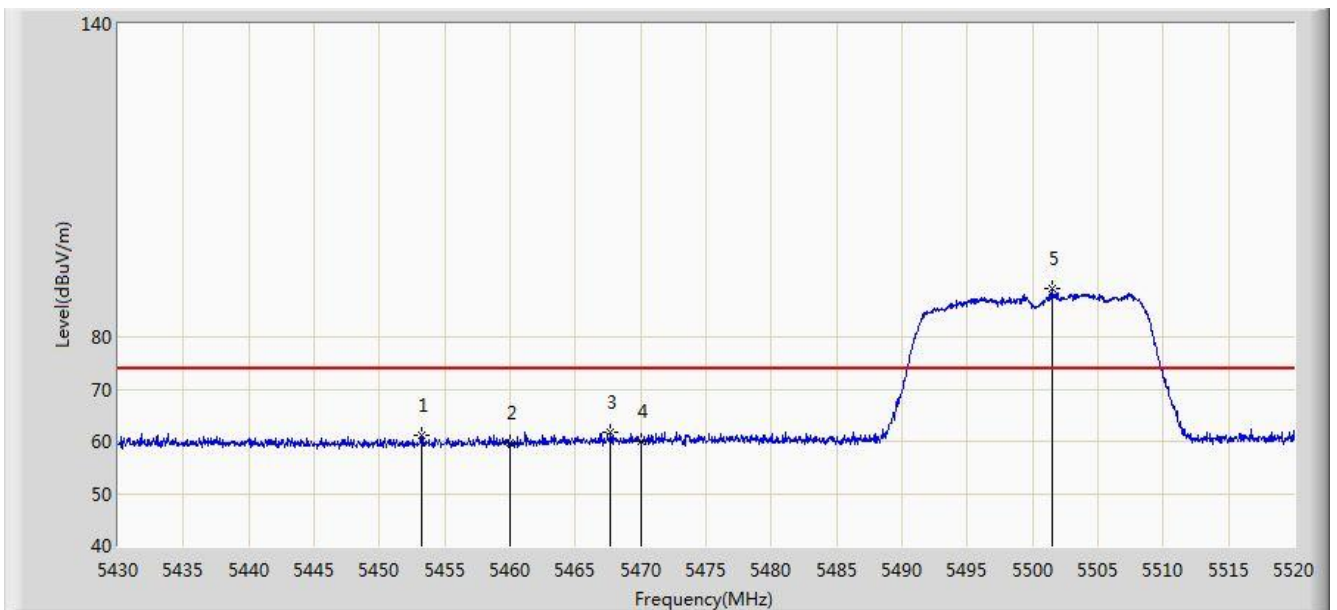| Site: AC1 | Time: 2016/11/05 - 17:05 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | X | * | 5322.440 | 110.348 | 106.495 | N/A | N/A | 3.853 | AV |
| 2 | | | 5350.000 | 53.324 | 49.419 | -0.676 | 54.000 | 3.904 | AV |

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

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

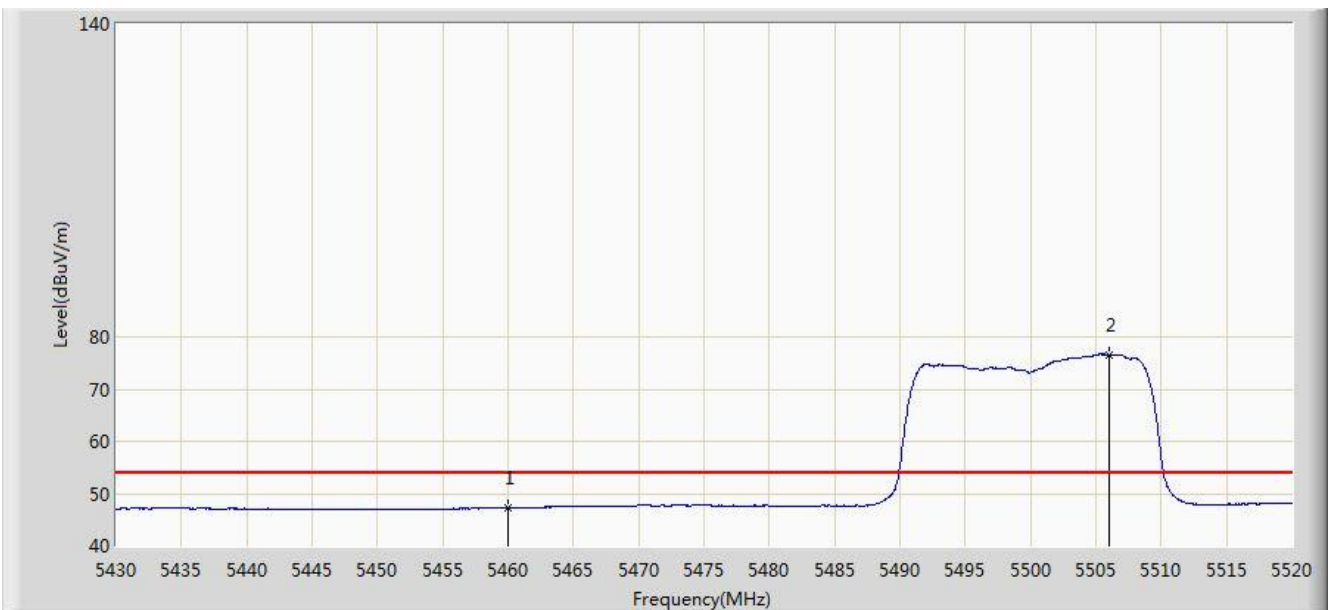| Site: AC1 | Time: 2016/11/05 - 17:11 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5453.265 | 61.144 | 56.979 | -12.856 | 74.000 | 4.164 | PK |
| 2 | | | 5460.000 | 59.626 | 55.446 | -14.374 | 74.000 | 4.180 | PK |
| 3 | | | 5467.710 | 61.751 | 57.554 | -12.249 | 74.000 | 4.197 | PK |
| 4 | | | 5470.000 | 60.080 | 55.878 | -13.920 | 74.000 | 4.202 | PK |
| 5 | | * | 5501.550 | 89.189 | 84.912 | N/A | N/A | 4.277 | PK |

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

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

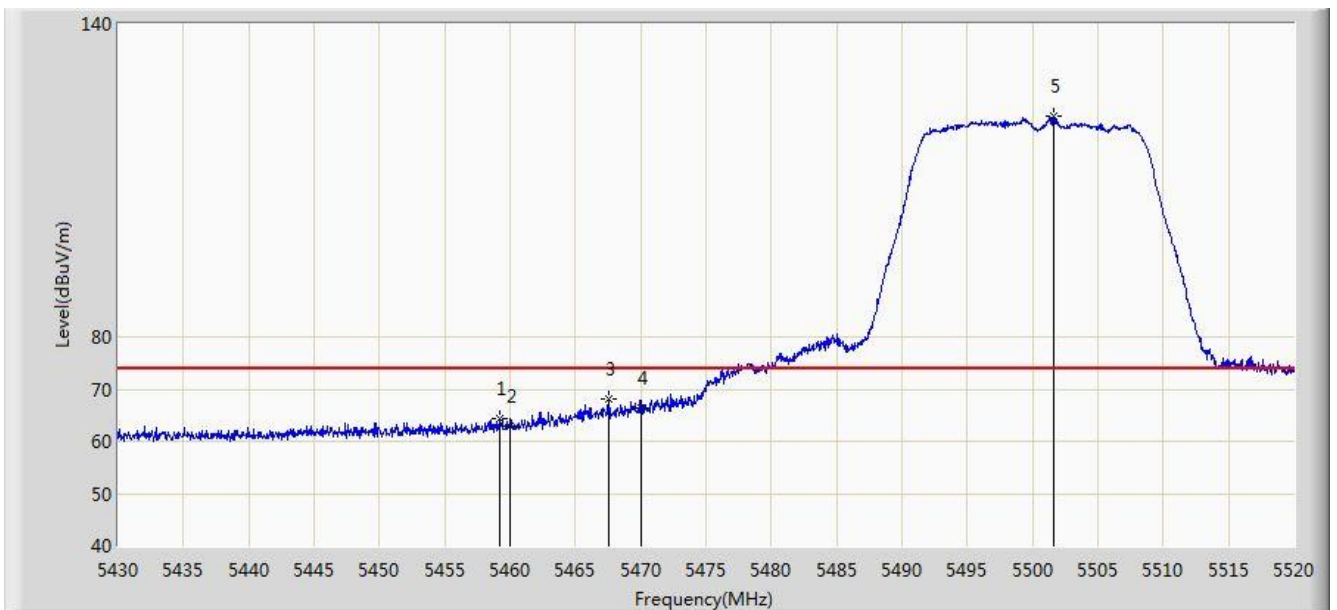| Site: AC1 | Time: 2016/11/05 - 17:12 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 47.249 | 43.069 | -6.751 | 54.000 | 4.180 | AV |
| 2 | | * | 5505.960 | 76.523 | 72.234 | N/A | N/A | 4.289 | AV |

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

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

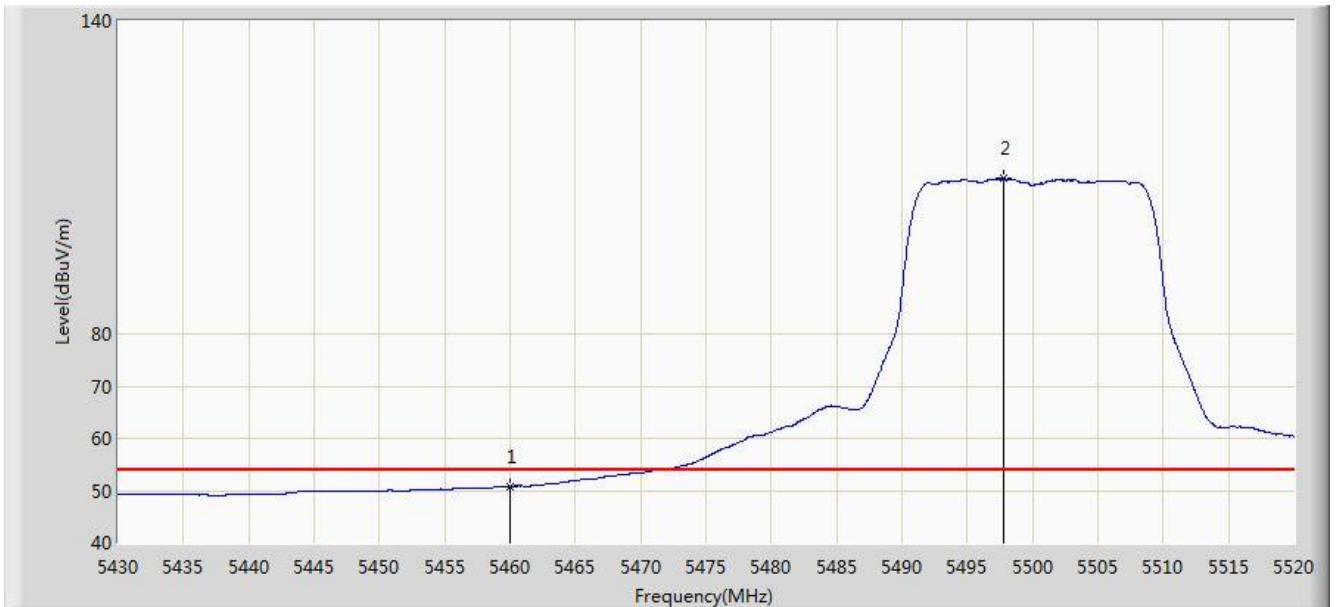| Site: AC1 | Time: 2016/11/05 - 17:10 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5459.250 | 64.426 | 60.247 | -9.574 | 74.000 | 4.178 | PK |
| 2 | | | 5460.000 | 62.873 | 58.693 | -11.127 | 74.000 | 4.180 | PK |
| 3 | | | 5467.530 | 68.177 | 63.980 | -5.823 | 74.000 | 4.197 | PK |
| 4 | | | 5470.000 | 66.477 | 62.275 | -7.523 | 74.000 | 4.202 | PK |
| 5 | | * | 5501.595 | 122.208 | 117.931 | N/A | N/A | 4.277 | PK |

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

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

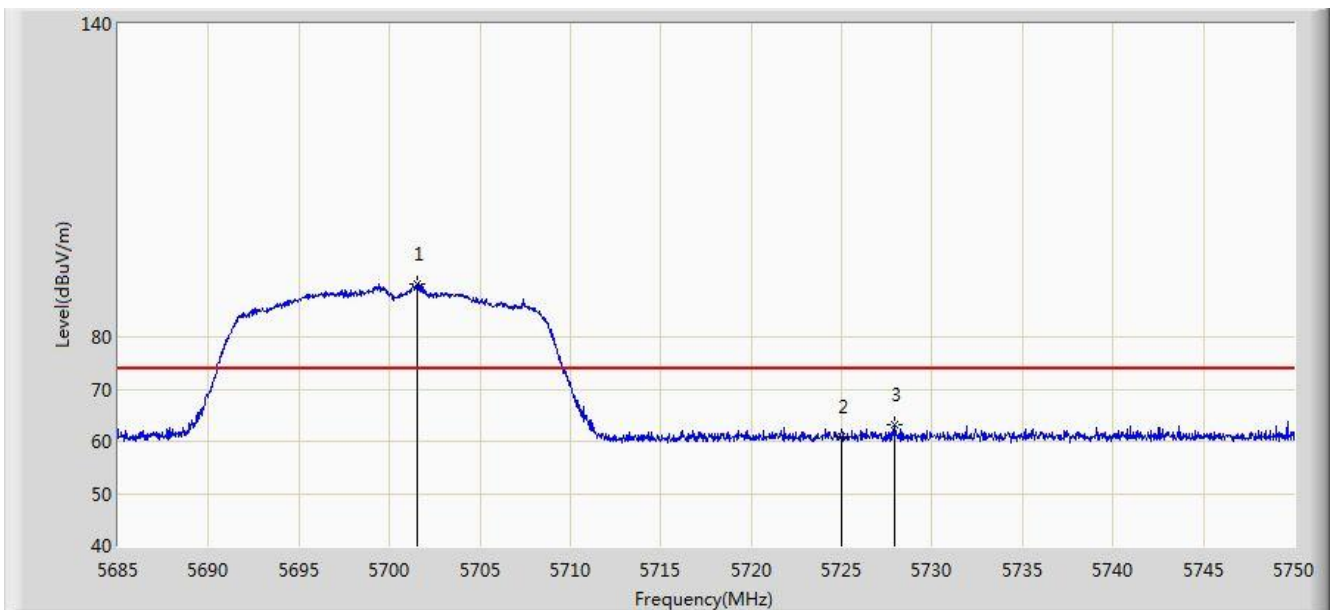| Site: AC1 | Time: 2016/11/05 - 17:10 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 50.799 | 46.619 | -3.201 | 54.000 | 4.180 | AV |
| 2 | X | * | 5497.815 | 109.772 | 105.506 | N/A | N/A | 4.266 | AV |

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

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

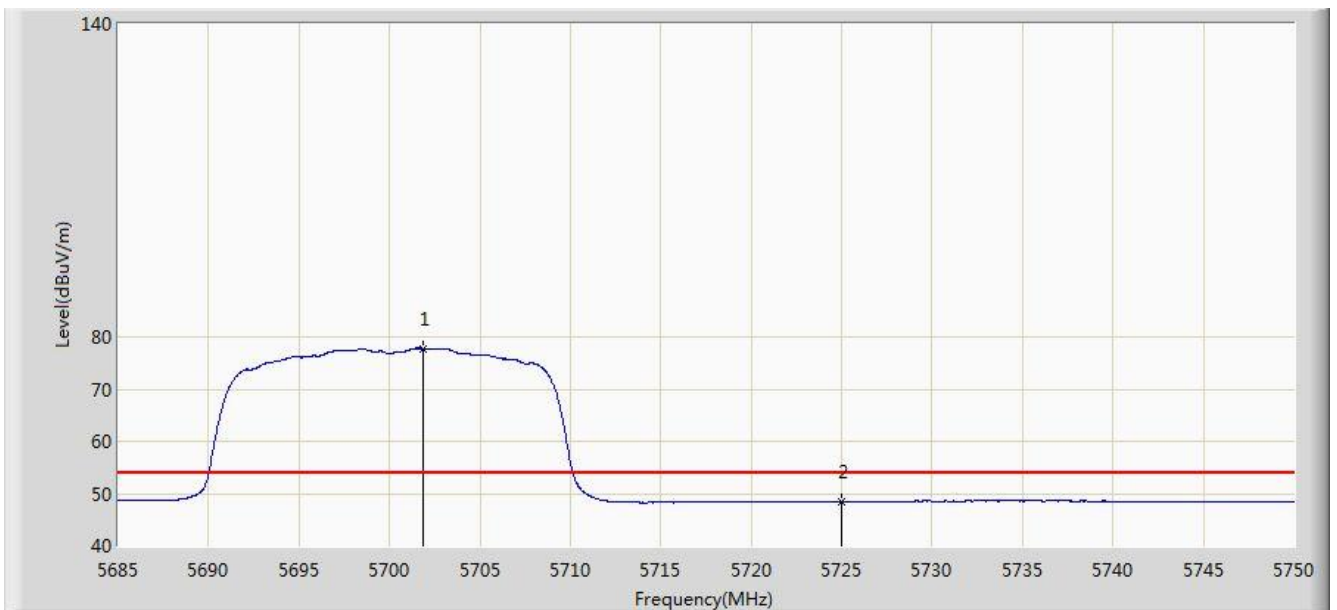| Site: AC1 | Time: 2016/11/05 - 17:18 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5701.510 | 90.198 | 85.312 | N/A | N/A | 4.886 | PK |
| 2 | | | 5725.000 | 60.970 | 55.941 | -13.030 | 74.000 | 5.029 | PK |
| 3 | | | 5727.900 | 63.158 | 58.110 | -10.842 | 74.000 | 5.047 | PK |

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

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

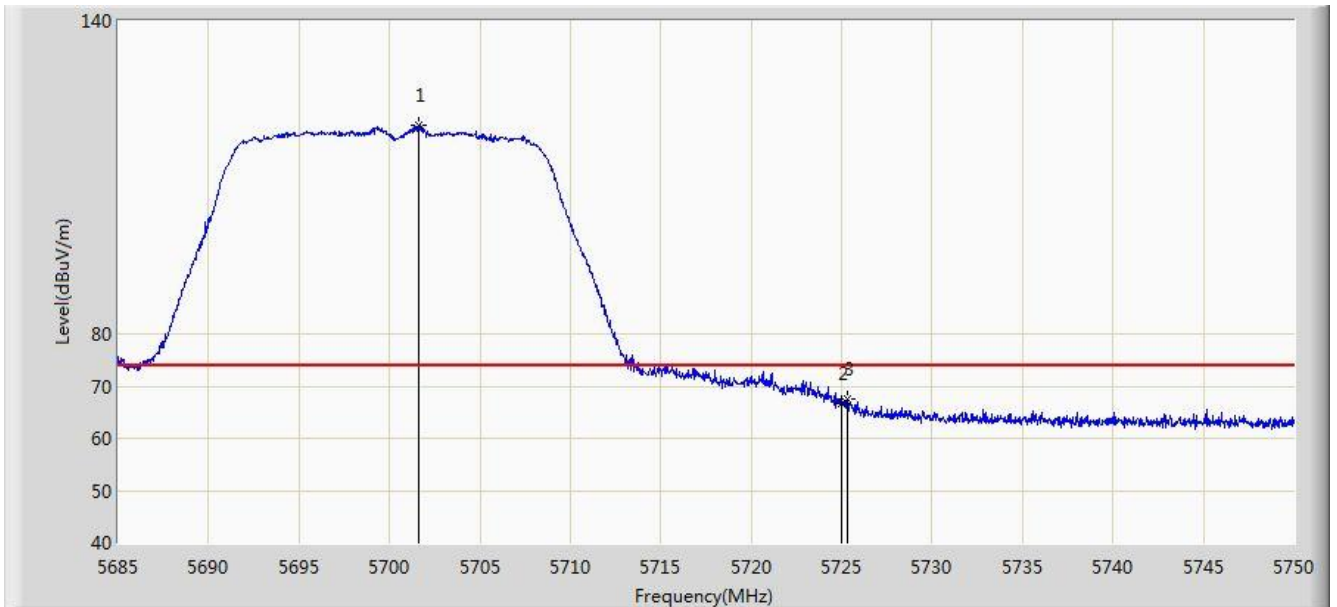| Site: AC1 | Time: 2016/11/05 - 17:19 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5701.835 | 77.741 | 72.853 | N/A | N/A | 4.888 | AV |
| 2 | | | 5725.000 | 48.478 | 43.449 | -5.522 | 54.000 | 5.029 | AV |

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

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

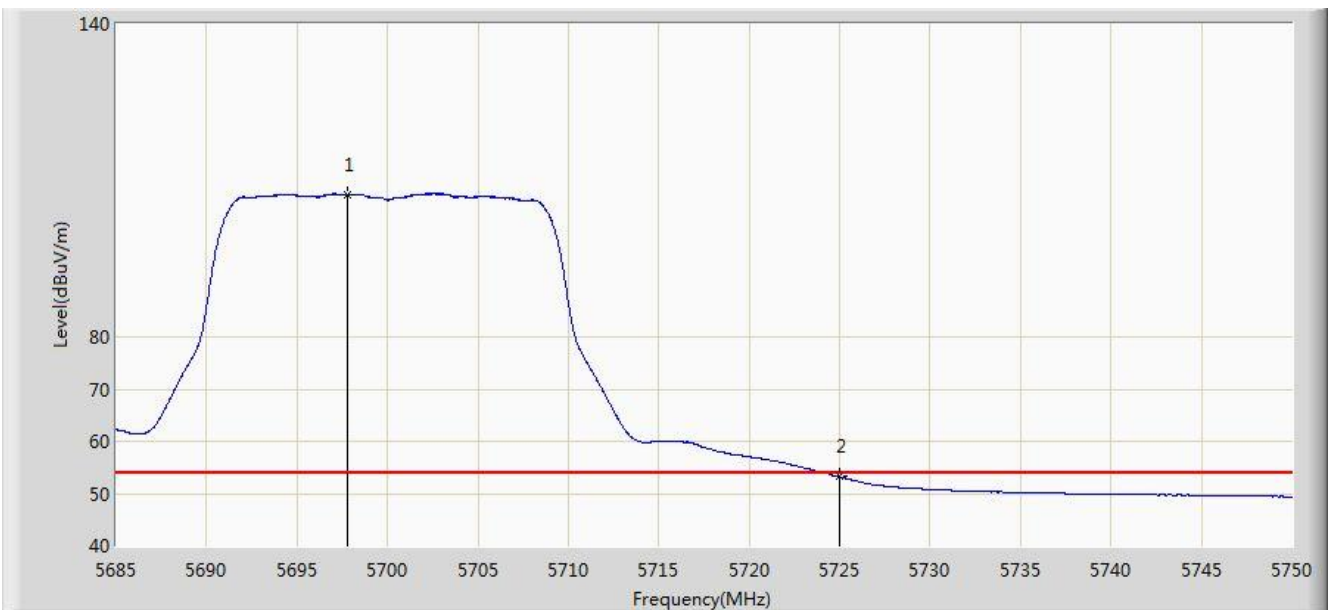| Site: AC1 | Time: 2016/11/05 - 17:18 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5701.640 | 120.003 | 115.116 | N/A | N/A | 4.887 | PK |
| 2 | | | 5725.000 | 66.779 | 61.750 | -7.221 | 74.000 | 5.029 | PK |
| 3 | | | 5725.333 | 67.416 | 62.385 | -6.584 | 74.000 | 5.031 | PK |

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

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

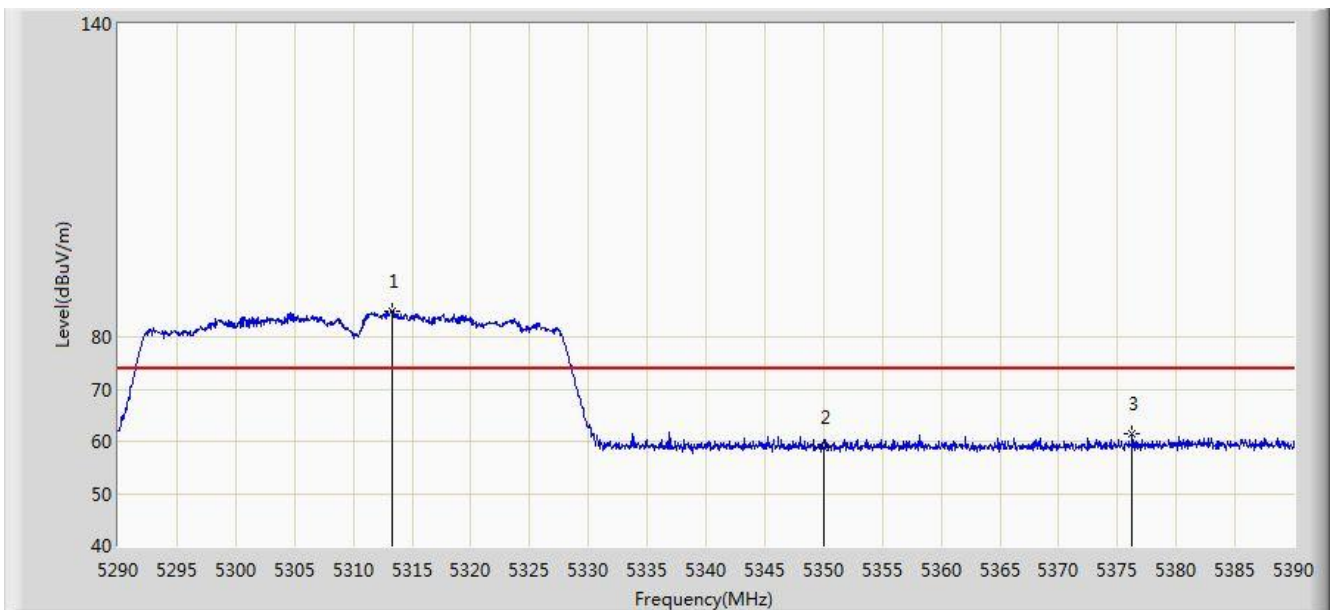| Site: AC1 | Time: 2016/11/05 - 17:18 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5697.805 | 107.239 | 102.372 | N/A | N/A | 4.866 | AV |
| 2 | | | 5725.000 | 53.216 | 48.187 | -0.784 | 54.000 | 5.029 | AV |

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

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

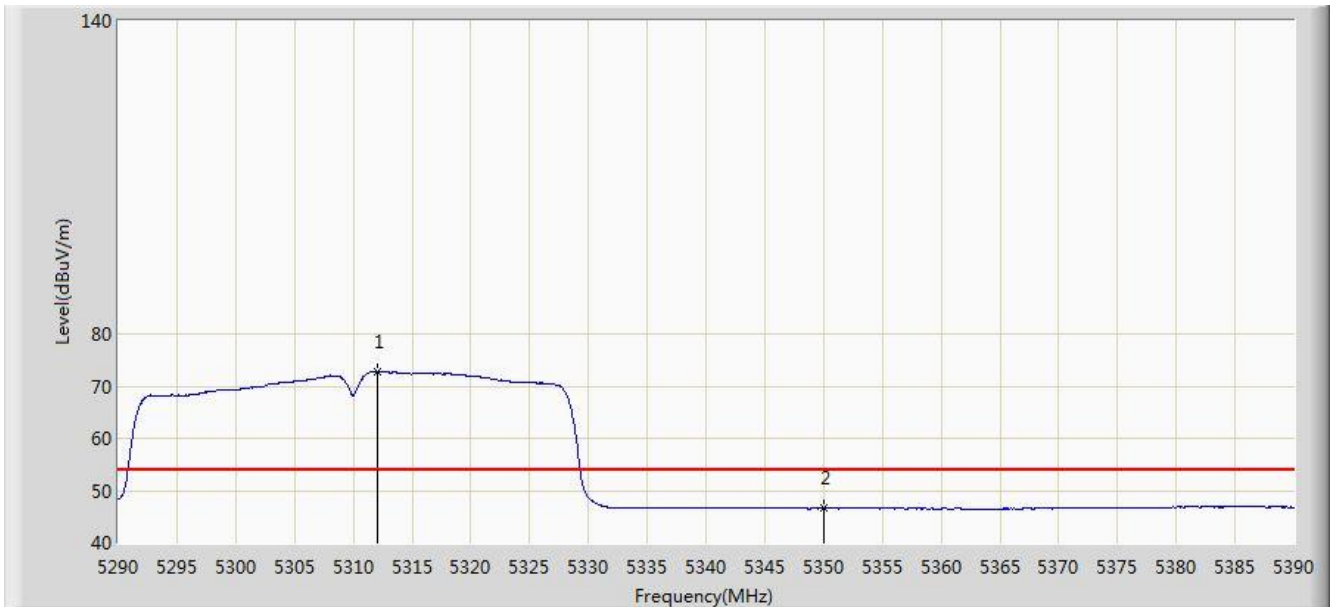| Site: AC1 | Time: 2016/11/05 - 17:30 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5313.300 | 85.013 | 81.177 | N/A | N/A | 3.836 | PK |
| 2 | | | 5350.000 | 58.856 | 54.951 | -15.144 | 74.000 | 3.904 | PK |
| 3 | | | 5376.250 | 61.533 | 57.581 | -12.467 | 74.000 | 3.952 | PK |

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

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

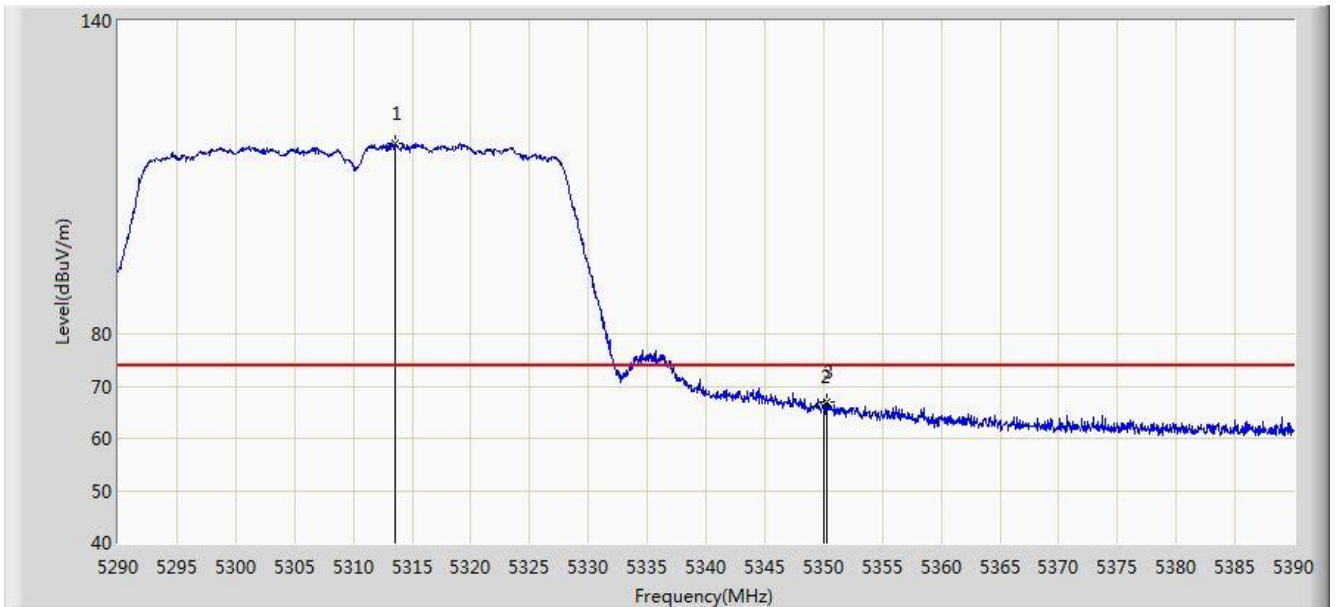| Site: AC1 | Time: 2016/11/05 - 17:31 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5312.050 | 72.780 | 68.946 | N/A | N/A | 3.834 | AV |
| 2 | | | 5350.000 | 46.566 | 42.661 | -7.434 | 54.000 | 3.904 | AV |

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

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

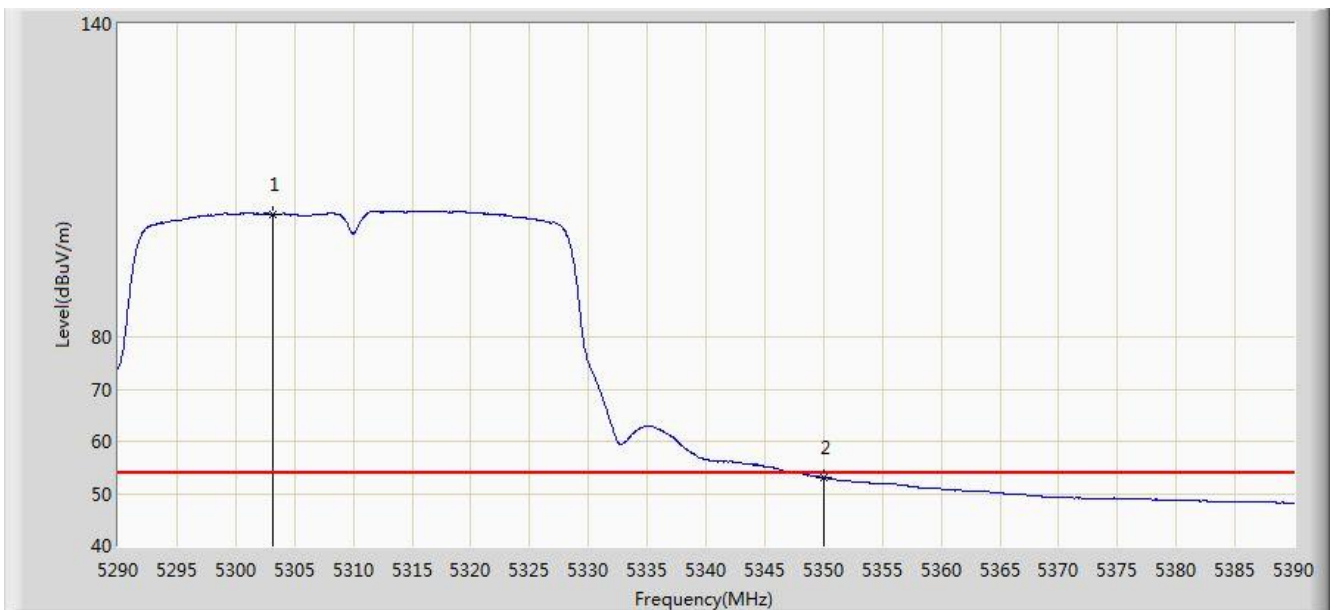| Site: AC1 | Time: 2016/11/05 - 17:30 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5313.500 | 116.594 | 112.758 | N/A | N/A | 3.836 | PK |
| 2 | | | 5350.000 | 66.037 | 62.132 | -7.963 | 74.000 | 3.904 | PK |
| 3 | | | 5350.250 | 66.887 | 62.982 | -7.113 | 74.000 | 3.906 | PK |

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

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

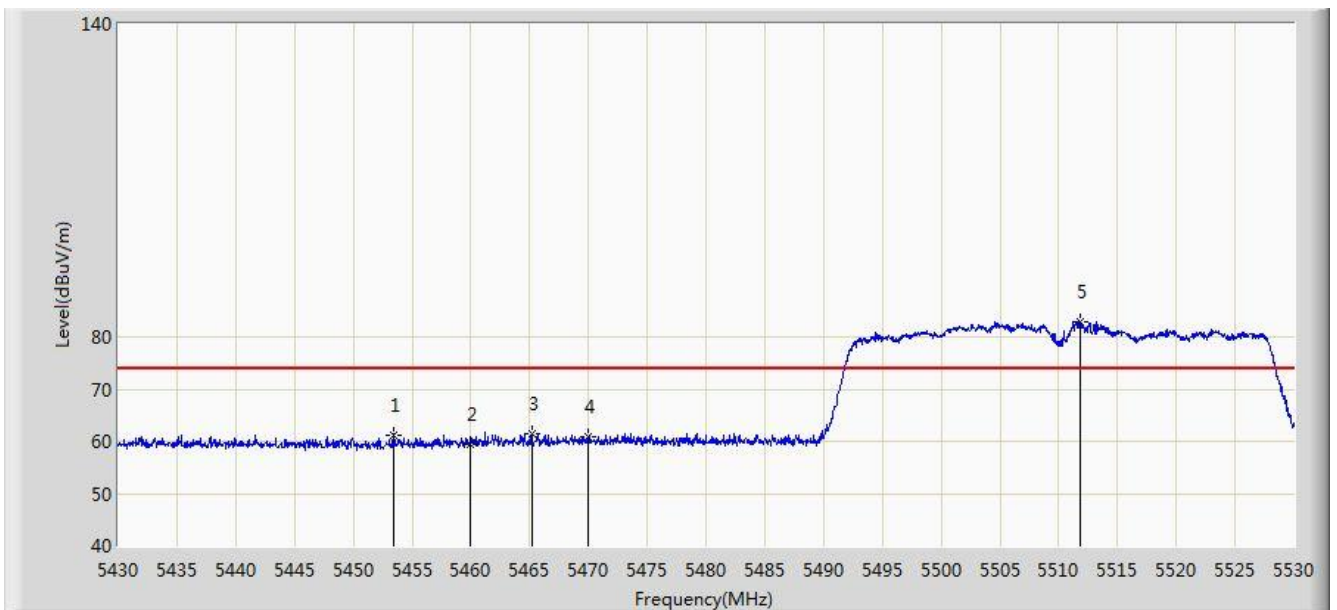| Site: AC1 | Time: 2016/11/05 - 17:29 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5303.150 | 103.519 | 99.702 | N/A | N/A | 3.817 | AV |
| 2 | | | 5350.000 | 52.960 | 49.055 | -1.040 | 54.000 | 3.904 | AV |

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

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

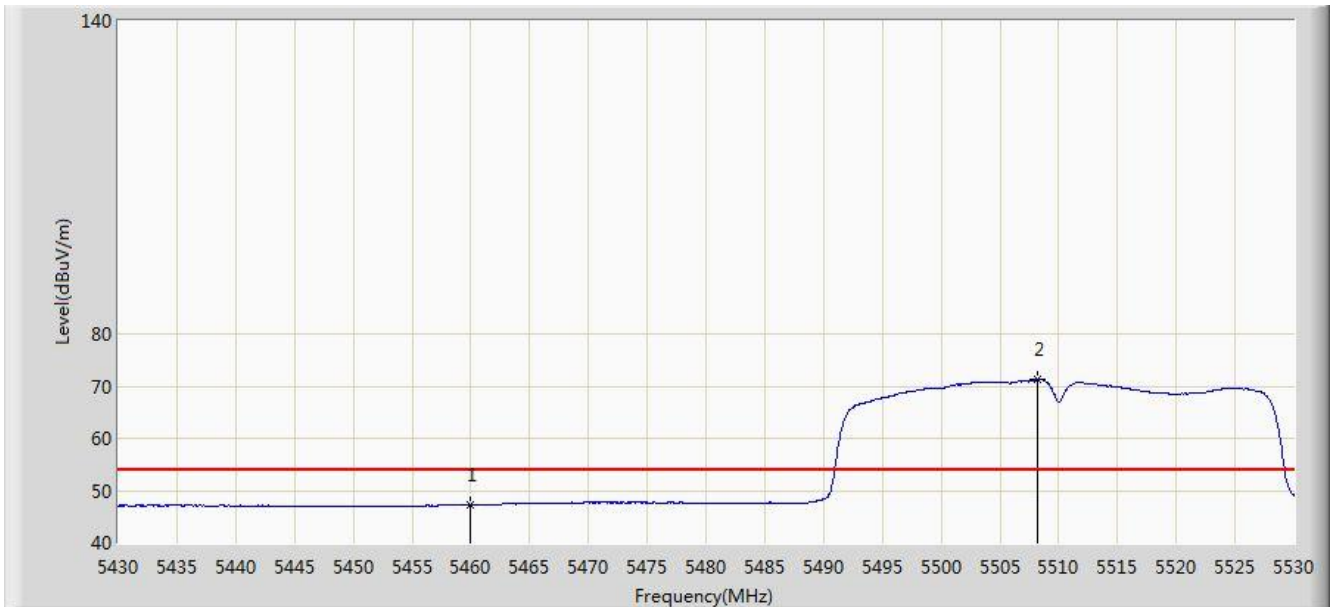| Site: AC1 | Time: 2016/11/05 - 17:36 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5453.450 | 61.300 | 57.134 | -12.700 | 74.000 | 4.166 | PK |
| 2 | | | 5460.000 | 59.371 | 55.191 | -14.629 | 74.000 | 4.180 | PK |
| 3 | | | 5465.200 | 61.381 | 57.189 | -12.619 | 74.000 | 4.191 | PK |
| 4 | | | 5470.000 | 60.879 | 56.677 | -13.121 | 74.000 | 4.202 | PK |
| 5 | | * | 5511.800 | 82.796 | 78.490 | N/A | N/A | 4.307 | PK |

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

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

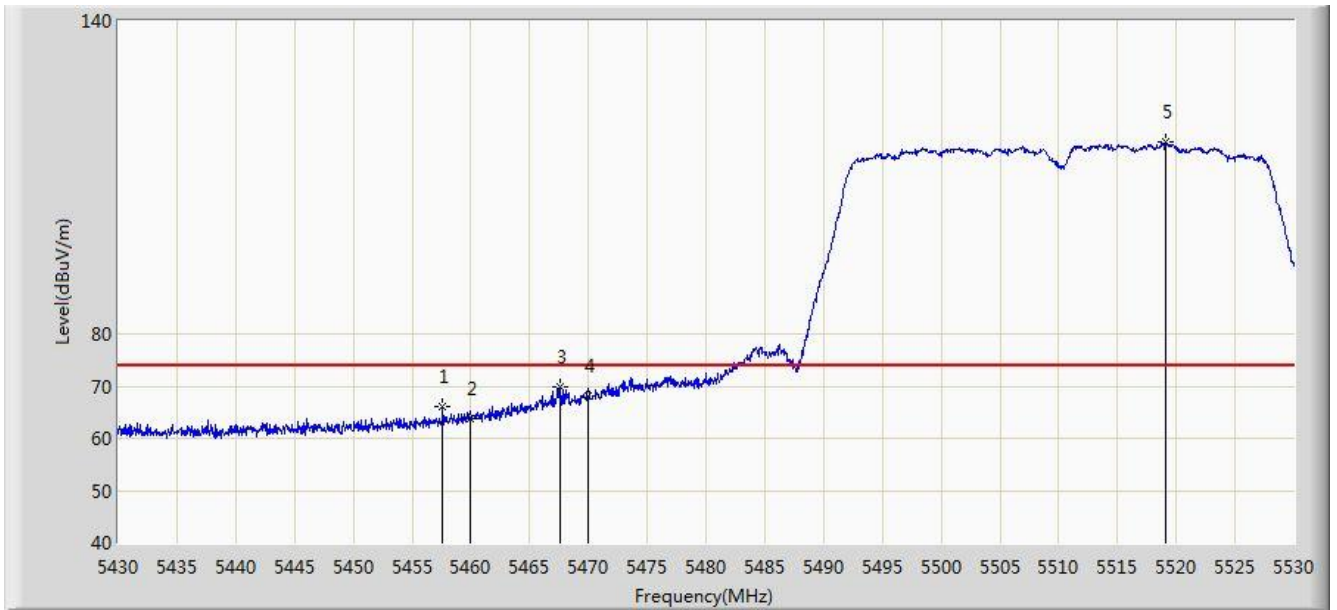| | |
|---|---|
| Site: AC1 | Time: 2016/11/05 - 17:37 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 47.234 | 43.054 | -6.766 | 54.000 | 4.180 | AV |
| 2 | | * | 5508.150 | 71.235 | 66.939 | N/A | N/A | 4.296 | AV |

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

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

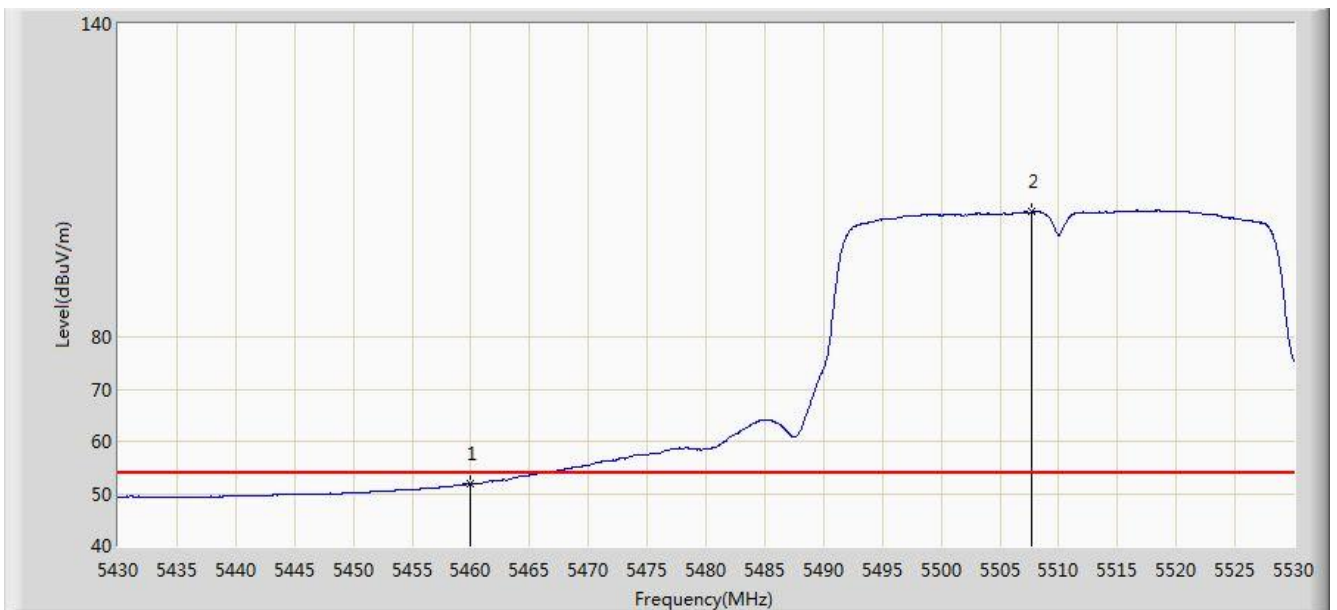| Site: AC1 | Time: 2016/11/05 - 17:35 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5457.600 | 65.945 | 61.770 | -8.055 | 74.000 | 4.176 | PK |
| 2 | | | 5460.000 | 63.683 | 59.503 | -10.317 | 74.000 | 4.180 | PK |
| 3 | | | 5467.550 | 69.786 | 65.589 | -4.214 | 74.000 | 4.197 | PK |
| 4 | | | 5470.000 | 68.044 | 63.842 | -5.956 | 74.000 | 4.202 | PK |
| 5 | | * | 5519.050 | 116.725 | 112.397 | N/A | N/A | 4.328 | PK |

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

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

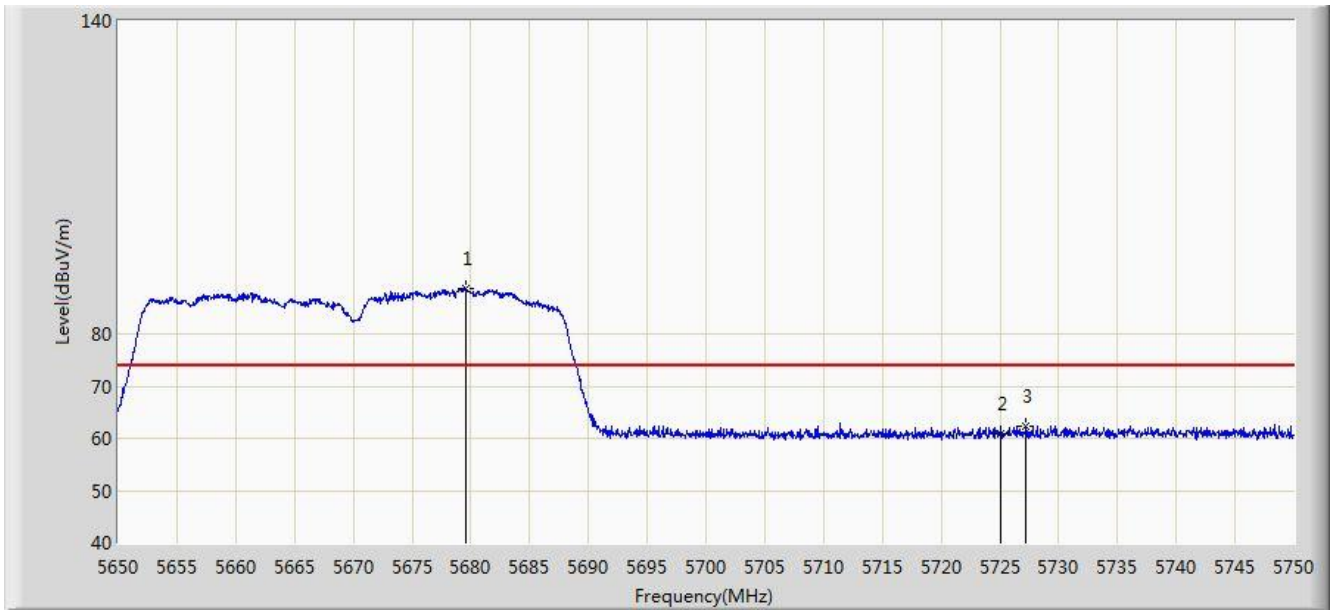| Site: AC1 | Time: 2016/11/05 - 17:36 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 51.842 | 47.662 | -2.158 | 54.000 | 4.180 | AV |
| 2 | | * | 5507.700 | 103.920 | 99.625 | N/A | N/A | 4.295 | AV |

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

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

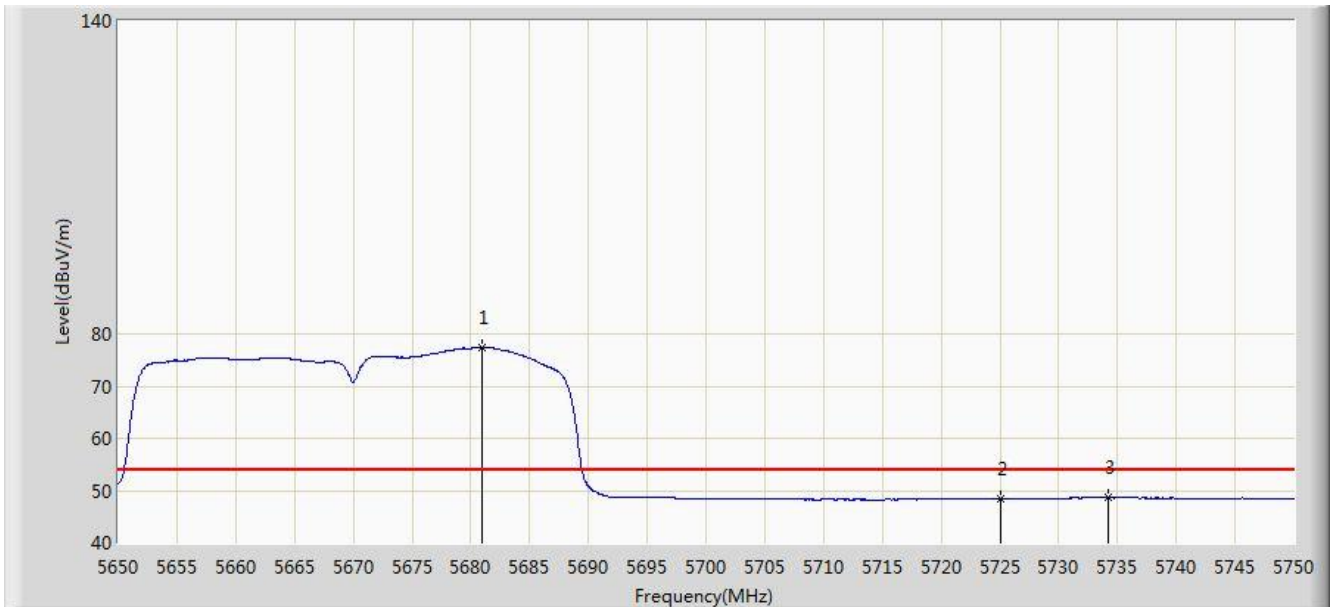| Site: AC1 | Time: 2016/11/05 - 17:41 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz Ant 1 ||



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5679.600 | 88.646 | 83.860 | N/A | N/A | 4.785 | PK |
| 2 | | | 5725.000 | 60.766 | 55.737 | -13.234 | 74.000 | 5.029 | PK |
| 3 | | | 5727.250 | 62.454 | 57.411 | -11.546 | 74.000 | 5.044 | PK |

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

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

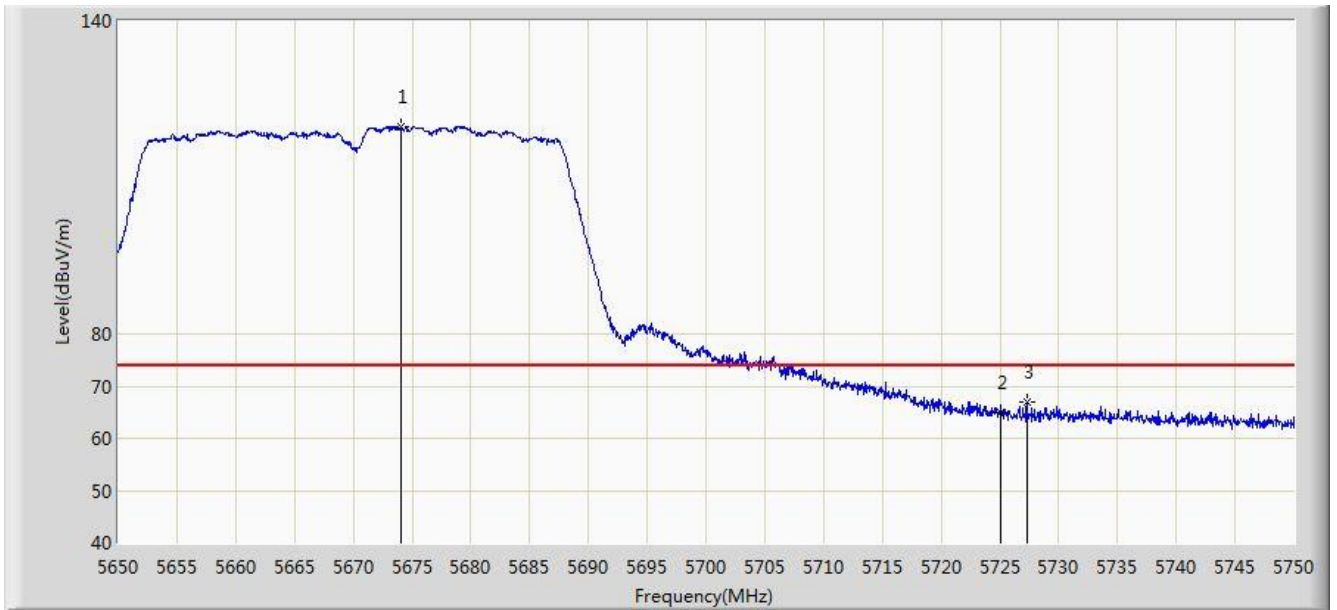| Site: AC1 | Time: 2016/11/05 - 17:42 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5680.900 | 77.441 | 72.650 | N/A | N/A | 4.790 | AV |
| 2 | | | 5725.000 | 48.430 | 43.401 | -5.570 | 54.000 | 5.029 | AV |
| 3 | | | 5734.250 | 48.589 | 43.501 | -5.411 | 54.000 | 5.088 | AV |

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

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

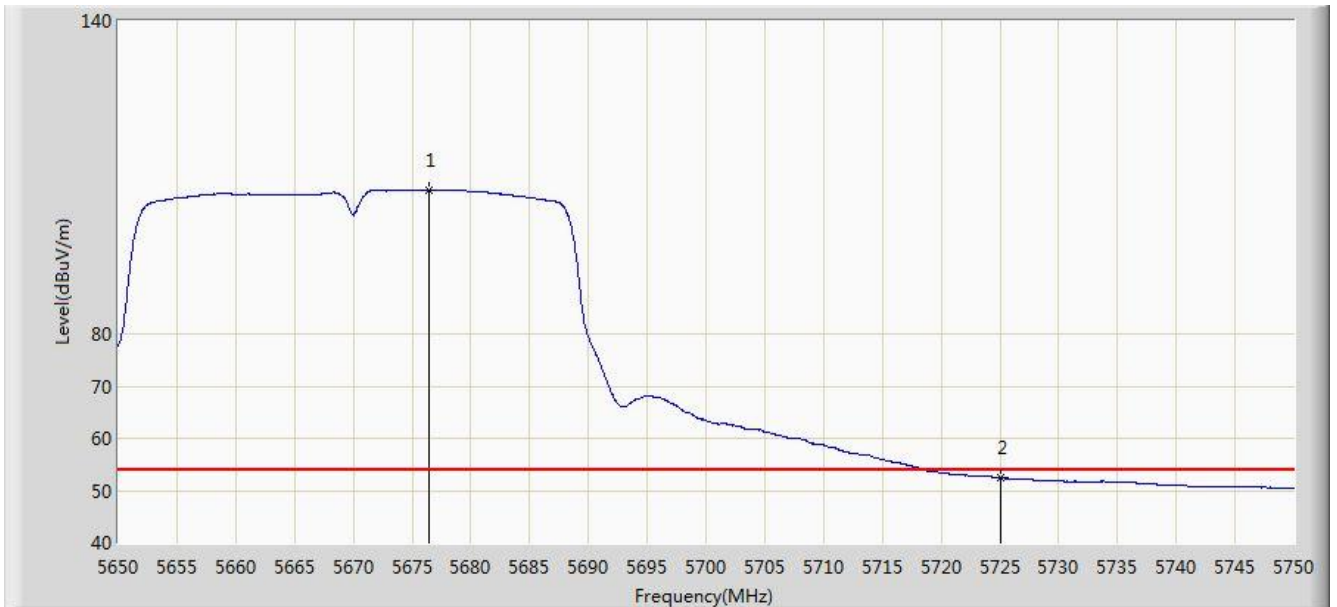| Site: AC1 | Time: 2016/11/05 - 17:41 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5674.050 | 119.720 | 114.957 | N/A | N/A | 4.762 | PK |
| 2 | | | 5725.000 | 64.996 | 59.967 | -9.004 | 74.000 | 5.029 | PK |
| 3 | | | 5727.300 | 66.941 | 61.897 | -7.059 | 74.000 | 5.044 | PK |

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

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

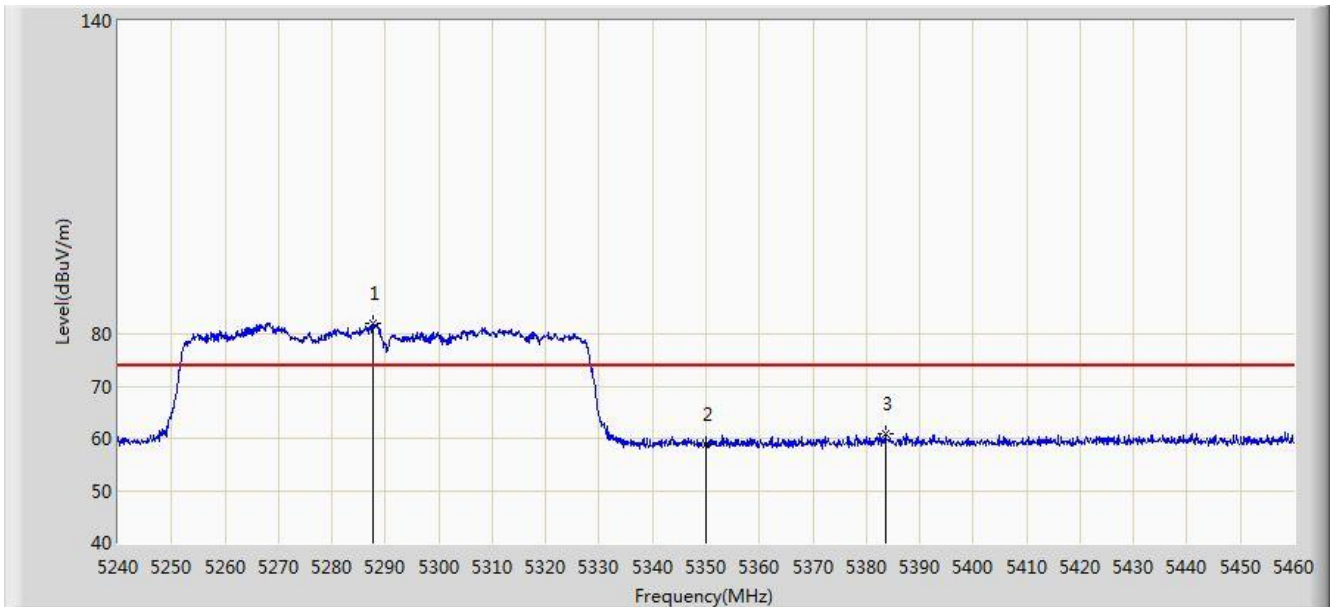| Site: AC1 | Time: 2016/11/05 - 17:40 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5676.400 | 107.607 | 102.834 | N/A | N/A | 4.772 | AV |
| 2 | | | 5725.000 | 52.433 | 47.404 | -1.567 | 54.000 | 5.029 | AV |

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

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

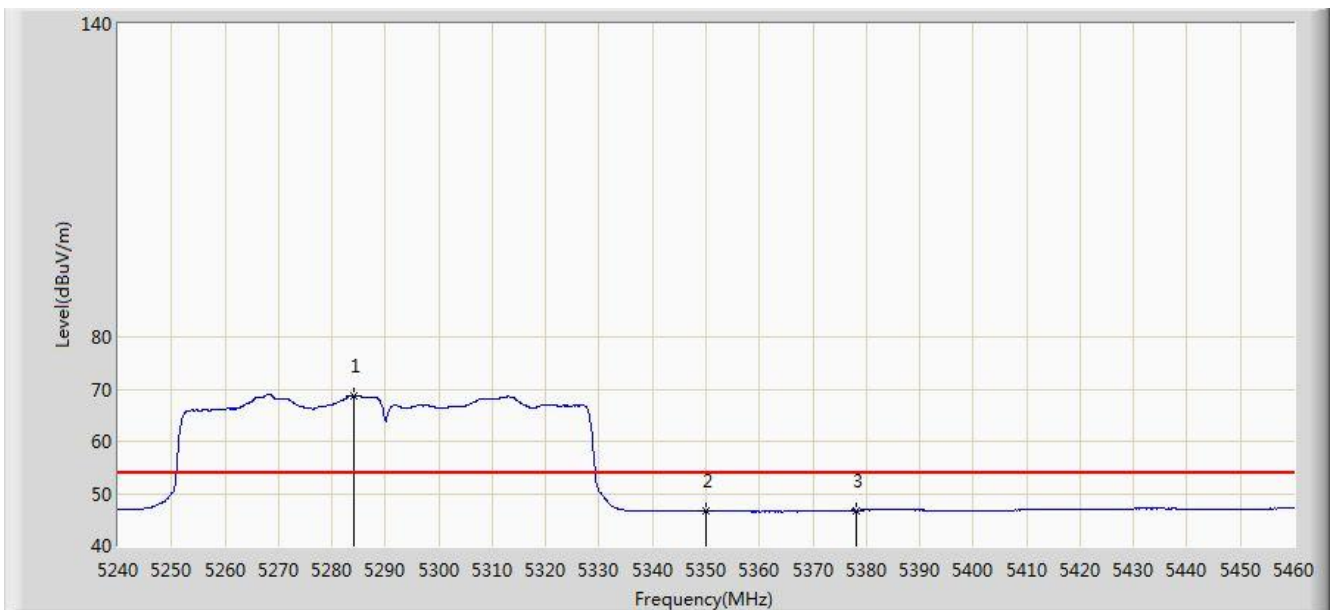| Site: AC1 | Time: 2016/11/05 - 17:56 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5287.630 | 82.166 | 78.344 | N/A | N/A | 3.821 | PK |
| 2 | | | 5350.000 | 58.907 | 55.002 | -15.093 | 74.000 | 3.904 | PK |
| 3 | | | 5383.550 | 60.960 | 56.994 | -13.040 | 74.000 | 3.966 | PK |

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

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

| Site: AC1 | Time: 2016/11/05 - 17:58 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: Wi-Fi AP 4x4 OD ext. antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5284.000 | 68.747 | 64.923 | N/A | N/A | 3.823 | AV |
| 2 | | | 5350.000 | 46.557 | 42.652 | -7.443 | 54.000 | 3.904 | AV |
| 3 | | | 5378.160 | 46.794 | 42.838 | -7.206 | 54.000 | 3.956 | AV |

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

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