

7.6. Radiated Spurious Emission Measurement

7.6.1. Test Limit

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

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

7.6.2. Test Procedure Used

KDB 558074 D01v04 - Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v04 - Section 12.2.4 (peak power measurements)

KDB 558074 D01v04 - Section 12.2.5 (average power measurements)

7.6.3. Test Setting

Peak Field Strength Measurements

Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

RBW = as specified in Table 1

VBW = 3MHz

Detector = peak

Sweep time = auto couple

Trace mode = max hold

Trace was allowed to stabilize

Table 1 - RBW as a function of frequency

| Frequency | RBW |
|---------------|---------------|
| 9 ~ 150 kHz | 200 ~ 300 Hz |
| 0.15 ~ 30 MHz | 9 ~ 10 kHz |
| 30 ~ 1000 MHz | 100 ~ 120 kHz |
| > 1000 MHz | 1 MHz |

Average Field Strength Measurements

Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

RBW = 1MHz

VBW $\geq 1/T$

De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode

Detector = Peak

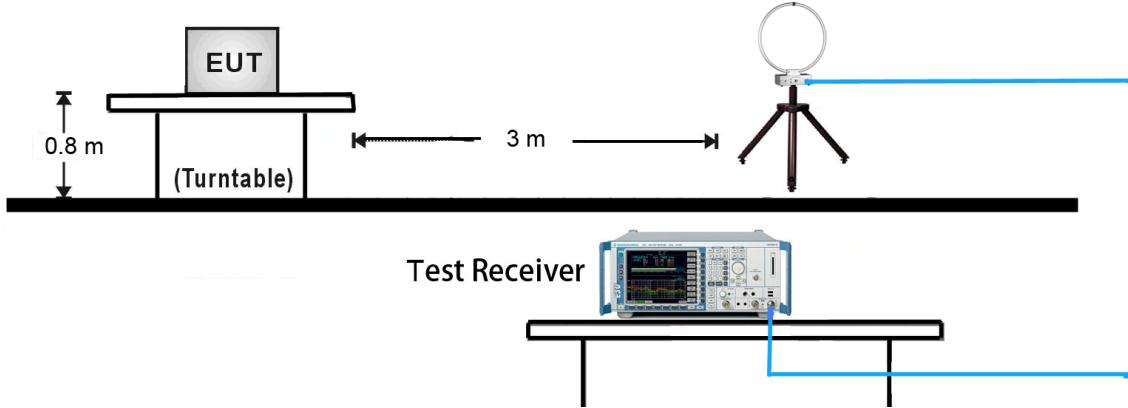
Sweep time = auto

Trace mode = max hold

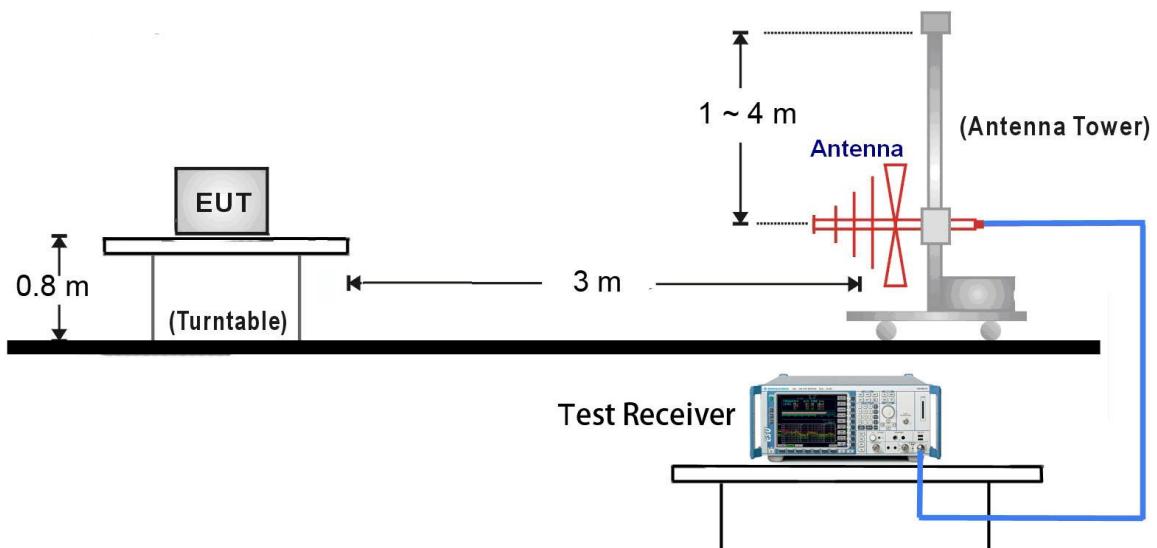
Allow max hold to run for at least 50 times (1/duty cycle) traces

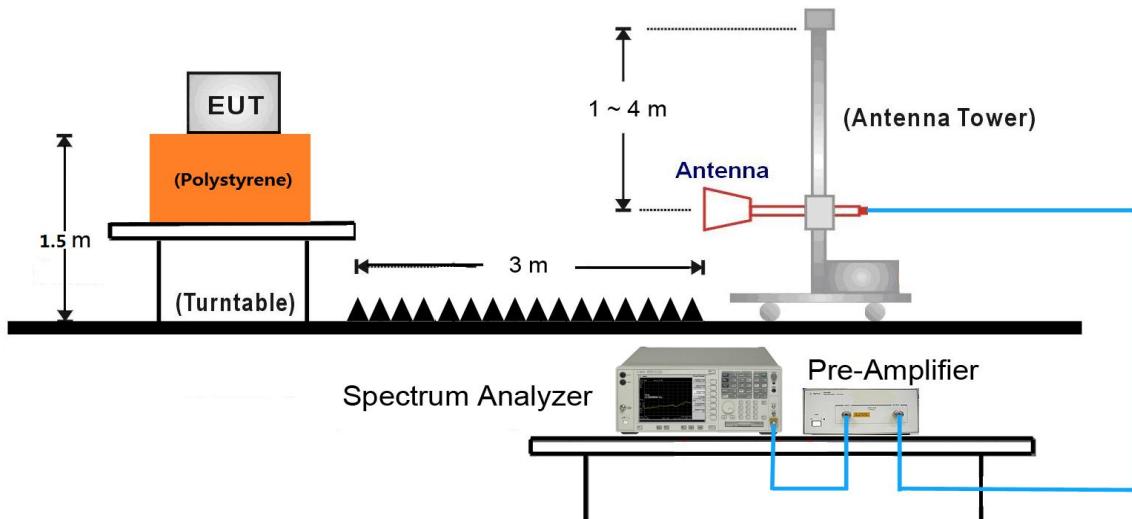
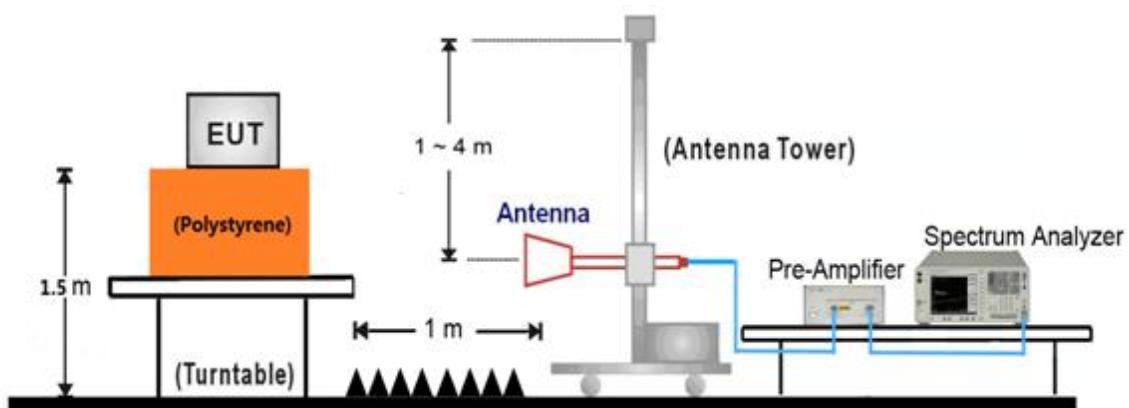
7.6.4. Test Setup

9kHz ~ 30MHz Test Setup:



30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:

18GHz ~25GHz Test Setup:


7.6.5. Test Result

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11b - Ant 1 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4009.0 | 35.8 | 0.4 | 36.2 | 74.0 | -37.8 | Peak | Horizontal |
| | 4952.5 | 34.9 | 3.7 | 38.6 | 74.0 | -35.4 | Peak | Horizontal |
| * | 6593.0 | 32.6 | 8.7 | 41.3 | 80.0 | -38.7 | Peak | Horizontal |
| * | 8726.5 | 31.1 | 13.8 | 44.9 | 80.0 | -35.1 | Peak | Horizontal |
| | 4034.5 | 35.1 | 0.5 | 35.6 | 74.0 | -38.4 | Peak | Vertical |
| | 4808.0 | 34.2 | 3.7 | 37.9 | 74.0 | -36.1 | Peak | Vertical |
| * | 6499.5 | 32.4 | 8.4 | 40.8 | 80.0 | -39.2 | Peak | Vertical |
| * | 8769.0 | 31.2 | 13.9 | 45.1 | 80.0 | -34.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (110.0dB μ V/m) or 15.209 which is higher.

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11b - Ant 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 3983.5 | 36.2 | 0.4 | 36.6 | 74.0 | -37.4 | Peak | Horizontal |
| | 4969.5 | 34.6 | 3.7 | 38.3 | 74.0 | -35.7 | Peak | Horizontal |
| * | 6406.0 | 33.2 | 7.7 | 40.9 | 81.2 | -40.3 | Peak | Horizontal |
| * | 8701.0 | 30.3 | 13.8 | 44.1 | 81.2 | -37.1 | Peak | Horizontal |
| | 4000.5 | 36.7 | 0.4 | 37.1 | 74.0 | -36.9 | Peak | Vertical |
| | 4961.0 | 34.1 | 3.7 | 37.8 | 74.0 | -36.2 | Peak | Vertical |
| * | 6397.5 | 33.6 | 7.7 | 41.3 | 81.2 | -39.9 | Peak | Vertical |
| * | 8658.5 | 30.6 | 13.6 | 44.2 | 81.2 | -37.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.2dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11b - Ant 1 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4136.5 | 35.7 | 0.9 | 36.6 | 74.0 | -37.4 | Peak | Horizontal |
| | 4944.0 | 34.4 | 3.7 | 38.1 | 74.0 | -35.9 | Peak | Horizontal |
| * | 6397.5 | 33.6 | 7.7 | 41.3 | 80.6 | -39.3 | Peak | Horizontal |
| * | 8522.5 | 32.3 | 13.0 | 45.3 | 80.6 | -35.3 | Peak | Horizontal |
| | 4017.5 | 35.5 | 0.4 | 35.9 | 74.0 | -38.1 | Peak | Vertical |
| | 4850.5 | 34.4 | 3.7 | 38.1 | 74.0 | -35.9 | Peak | Vertical |
| * | 6406.0 | 33.4 | 7.7 | 41.1 | 80.6 | -39.5 | Peak | Vertical |
| * | 8743.5 | 30.3 | 13.9 | 44.2 | 80.6 | -36.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (110.6dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11g - Ant 1 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4094.0 | 36.4 | 0.7 | 37.1 | 74.0 | -36.9 | Peak | Horizontal |
| | 4944.0 | 34.0 | 3.7 | 37.7 | 74.0 | -36.3 | Peak | Horizontal |
| * | 6678.0 | 32.9 | 8.7 | 41.6 | 82.9 | -41.3 | Peak | Horizontal |
| * | 8514.0 | 31.5 | 12.9 | 44.4 | 82.9 | -38.5 | Peak | Horizontal |
| | 4170.5 | 35.4 | 1.0 | 36.4 | 74.0 | -37.6 | Peak | Vertical |
| | 4893.0 | 33.7 | 3.7 | 37.4 | 74.0 | -36.6 | Peak | Vertical |
| * | 6576.0 | 33.0 | 8.6 | 41.6 | 82.9 | -41.3 | Peak | Vertical |
| * | 8760.5 | 31.0 | 13.9 | 44.9 | 82.9 | -38.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (112.9dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11g - Ant 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4247.0 | 36.5 | 1.3 | 37.8 | 74.0 | -36.2 | Peak | Horizontal |
| | 4961.0 | 35.2 | 3.7 | 38.9 | 74.0 | -35.1 | Peak | Horizontal |
| * | 6491.0 | 32.7 | 8.3 | 41.0 | 83.5 | -42.5 | Peak | Horizontal |
| * | 7970.0 | 31.9 | 12.5 | 44.4 | 83.5 | -39.1 | Peak | Horizontal |
| | 3983.5 | 36.1 | 0.4 | 36.5 | 74.0 | -37.5 | Peak | Vertical |
| | 4731.5 | 33.7 | 3.6 | 37.3 | 74.0 | -36.7 | Peak | Vertical |
| * | 6389.0 | 32.3 | 7.6 | 39.9 | 83.5 | -43.6 | Peak | Vertical |
| * | 8760.5 | 30.8 | 13.9 | 44.7 | 83.5 | -38.8 | Peak | Vertical |

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.5dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11g - Ant 1 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4043.0 | 35.3 | 0.5 | 35.8 | 74.0 | -38.2 | Peak | Horizontal |
| | 4816.5 | 34.3 | 3.7 | 38.0 | 74.0 | -36.0 | Peak | Horizontal |
| * | 6550.5 | 32.6 | 8.6 | 41.2 | 82.2 | -41.0 | Peak | Horizontal |
| * | 7936.0 | 32.9 | 12.4 | 45.3 | 82.2 | -36.9 | Peak | Horizontal |
| | 3975.0 | 33.7 | 0.4 | 34.1 | 74.0 | -39.9 | Peak | Vertical |
| | 4842.0 | 33.4 | 3.7 | 37.1 | 74.0 | -36.9 | Peak | Vertical |
| * | 6712.0 | 32.8 | 8.7 | 41.5 | 82.2 | -40.7 | Peak | Vertical |
| * | 8684.0 | 30.9 | 13.7 | 44.6 | 82.2 | -37.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (112.2dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT20 - Ant 1 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4170.5 | 34.8 | 1.0 | 35.8 | 74.0 | -38.2 | Peak | Horizontal |
| | 4791.0 | 33.9 | 3.7 | 37.6 | 74.0 | -36.4 | Peak | Horizontal |
| * | 6559.0 | 32.3 | 8.6 | 40.9 | 82.5 | -41.6 | Peak | Horizontal |
| * | 7970.0 | 32.0 | 12.5 | 44.5 | 82.5 | -38.0 | Peak | Horizontal |
| | 4051.5 | 35.6 | 0.5 | 36.1 | 74.0 | -37.9 | Peak | Vertical |
| | 4935.5 | 34.2 | 3.7 | 37.9 | 74.0 | -36.1 | Peak | Vertical |
| * | 6457.0 | 32.8 | 8.1 | 40.9 | 82.5 | -41.6 | Peak | Vertical |
| * | 8811.5 | 30.3 | 14.0 | 44.3 | 82.5 | -38.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (112.5dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT20 - Ant 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4153.5 | 36.2 | 0.9 | 37.1 | 74.0 | -36.9 | Peak | Horizontal |
| | 4867.5 | 33.9 | 3.7 | 37.6 | 74.0 | -36.4 | Peak | Horizontal |
| * | 6491.0 | 33.4 | 8.3 | 41.7 | 84.1 | -42.4 | Peak | Horizontal |
| * | 8726.5 | 30.7 | 13.8 | 44.5 | 84.1 | -39.6 | Peak | Horizontal |
| | 3898.5 | 35.5 | 0.3 | 35.8 | 74.0 | -38.2 | Peak | Vertical |
| | 4850.5 | 34.4 | 3.7 | 38.1 | 74.0 | -35.9 | Peak | Vertical |
| * | 6661.0 | 33.6 | 8.7 | 42.3 | 84.1 | -41.8 | Peak | Vertical |
| * | 8633.0 | 31.9 | 13.5 | 45.4 | 84.1 | -38.7 | Peak | Vertical |

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (114.1B μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT20 - Ant 1 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 3864.5 | 35.8 | 0.3 | 36.1 | 74.0 | -37.9 | Peak | Horizontal |
| | 4876.0 | 35.2 | 3.7 | 38.9 | 74.0 | -35.1 | Peak | Horizontal |
| * | 6389.0 | 33.0 | 7.6 | 40.6 | 82.5 | -41.9 | Peak | Horizontal |
| * | 8641.5 | 31.1 | 13.5 | 44.6 | 82.5 | -37.9 | Peak | Horizontal |
| | 4034.5 | 34.7 | 0.5 | 35.2 | 74.0 | -38.8 | Peak | Vertical |
| | 4697.5 | 35.0 | 3.6 | 38.6 | 74.0 | -35.4 | Peak | Vertical |
| * | 5751.5 | 34.2 | 5.2 | 39.4 | 82.5 | -43.1 | Peak | Vertical |
| * | 8505.5 | 31.4 | 12.9 | 44.3 | 82.5 | -38.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (112.5dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT40 - Ant 1 | Test Channel: | 03 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4136.5 | 35.3 | 0.9 | 36.2 | 74.0 | -37.8 | Peak | Horizontal |
| | 4978.0 | 34.1 | 3.8 | 37.9 | 74.0 | -36.1 | Peak | Horizontal |
| * | 5811.0 | 33.9 | 5.5 | 39.4 | 78.5 | -39.1 | Peak | Horizontal |
| * | 7902.0 | 32.2 | 12.4 | 44.6 | 78.5 | -33.9 | Peak | Horizontal |
| | 3907.0 | 35.2 | 0.3 | 35.5 | 74.0 | -38.5 | Peak | Vertical |
| | 4995.0 | 33.8 | 3.8 | 37.6 | 74.0 | -36.4 | Peak | Vertical |
| * | 6414.5 | 33.0 | 7.8 | 40.8 | 78.5 | -37.7 | Peak | Vertical |
| * | 8667.0 | 31.1 | 13.6 | 44.7 | 78.5 | -33.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (108.5dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT40 - Ant 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4026.0 | 35.6 | 0.5 | 36.1 | 74.0 | -37.9 | Peak | Horizontal |
| | 4714.5 | 34.7 | 3.6 | 38.3 | 74.0 | -35.7 | Peak | Horizontal |
| * | 6559.0 | 33.3 | 8.6 | 41.9 | 81.4 | -39.5 | Peak | Horizontal |
| * | 8675.5 | 30.3 | 13.7 | 44.0 | 81.4 | -37.4 | Peak | Horizontal |
| | 3907.0 | 35.4 | 0.3 | 35.7 | 74.0 | -38.3 | Peak | Vertical |
| | 4748.5 | 35.0 | 3.7 | 38.7 | 74.0 | -35.3 | Peak | Vertical |
| * | 6312.5 | 33.1 | 7.2 | 40.3 | 81.4 | -41.1 | Peak | Vertical |
| * | 8726.5 | 30.5 | 13.8 | 44.3 | 81.4 | -37.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.4dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT40 - Ant 1 | Test Channel: | 09 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 3941.0 | 35.0 | 0.3 | 35.3 | 74.0 | -38.7 | Peak | Horizontal |
| | 4706.0 | 35.9 | 3.6 | 39.5 | 74.0 | -34.5 | Peak | Horizontal |
| * | 6686.5 | 32.8 | 8.7 | 41.5 | 78.3 | -36.8 | Peak | Horizontal |
| * | 8879.5 | 30.3 | 14.0 | 44.3 | 78.3 | -34.0 | Peak | Horizontal |
| | 4051.5 | 36.0 | 0.5 | 36.5 | 74.0 | -37.5 | Peak | Vertical |
| | 4706.0 | 34.9 | 3.6 | 38.5 | 74.0 | -35.5 | Peak | Vertical |
| * | 6533.5 | 33.0 | 8.5 | 41.5 | 78.3 | -36.8 | Peak | Vertical |
| * | 8565.0 | 31.0 | 13.3 | 44.3 | 78.3 | -34.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (108.3dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11b - Ant 2 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4162.0 | 34.6 | 1.0 | 35.6 | 74.0 | -38.4 | Peak | Horizontal |
| | 4876.0 | 33.5 | 3.7 | 37.2 | 74.0 | -36.8 | Peak | Horizontal |
| * | 5547.5 | 34.0 | 4.4 | 38.4 | 77.3 | -38.9 | Peak | Horizontal |
| * | 7953.0 | 32.7 | 12.5 | 45.2 | 77.3 | -32.1 | Peak | Horizontal |
| | 4043.0 | 36.5 | 0.5 | 37.0 | 74.0 | -37.0 | Peak | Vertical |
| | 4791.0 | 34.0 | 3.7 | 37.7 | 74.0 | -36.3 | Peak | Vertical |
| * | 6329.5 | 33.1 | 7.3 | 40.4 | 77.3 | -36.9 | Peak | Vertical |
| * | 7936.0 | 32.5 | 12.4 | 44.9 | 77.3 | -32.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (107.3dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11b - Ant 2 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4051.5 | 35.7 | 0.5 | 36.2 | 74.0 | -37.8 | Peak | Horizontal |
| | 4731.5 | 34.0 | 3.6 | 37.6 | 74.0 | -36.4 | Peak | Horizontal |
| * | 6508.0 | 32.5 | 8.4 | 40.9 | 80.0 | -39.1 | Peak | Horizontal |
| * | 8692.5 | 30.5 | 13.7 | 44.2 | 80.0 | -35.8 | Peak | Horizontal |
| | 4051.5 | 35.3 | 0.5 | 35.8 | 74.0 | -38.2 | Peak | Vertical |
| | 4876.0 | 33.7 | 3.7 | 37.4 | 74.0 | -36.6 | Peak | Vertical |
| * | 6627.0 | 33.0 | 8.7 | 41.7 | 80.0 | -38.3 | Peak | Vertical |
| * | 8735.0 | 30.2 | 13.9 | 44.1 | 80.0 | -35.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (110.0dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11b - Ant 2 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4034.5 | 35.2 | 0.5 | 35.7 | 74.0 | -38.3 | Peak | Horizontal |
| | 4944.0 | 34.7 | 3.7 | 38.4 | 74.0 | -35.6 | Peak | Horizontal |
| * | 6635.5 | 33.3 | 8.7 | 42.0 | 79.1 | -37.1 | Peak | Horizontal |
| * | 8624.5 | 30.8 | 13.5 | 44.3 | 79.1 | -34.8 | Peak | Horizontal |
| | 4017.5 | 35.1 | 0.4 | 35.5 | 74.0 | -38.5 | Peak | Vertical |
| | 4757.0 | 33.8 | 3.7 | 37.5 | 74.0 | -36.5 | Peak | Vertical |
| * | 6533.5 | 32.0 | 8.5 | 40.5 | 79.1 | -38.6 | Peak | Vertical |
| * | 8709.5 | 31.4 | 13.8 | 45.2 | 79.1 | -33.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (109.1dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11g - Ant 2 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4043.0 | 35.1 | 0.5 | 35.6 | 74.0 | -38.4 | Peak | Horizontal |
| | 4714.5 | 34.7 | 3.6 | 38.3 | 74.0 | -35.7 | Peak | Horizontal |
| * | 6406.0 | 33.0 | 7.7 | 40.7 | 80.1 | -39.4 | Peak | Horizontal |
| * | 8667.0 | 30.6 | 13.6 | 44.2 | 80.1 | -35.9 | Peak | Horizontal |
| | 4034.5 | 35.9 | 0.5 | 36.4 | 74.0 | -37.6 | Peak | Vertical |
| | 4952.5 | 34.3 | 3.7 | 38.0 | 74.0 | -36.0 | Peak | Vertical |
| * | 6516.5 | 33.0 | 8.5 | 41.5 | 80.1 | -38.6 | Peak | Vertical |
| * | 8743.5 | 30.6 | 13.9 | 44.5 | 80.1 | -35.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (110.1dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11g - Ant 2 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4162.0 | 35.3 | 1.0 | 36.3 | 74.0 | -37.7 | Peak | Horizontal |
| | 4765.5 | 34.5 | 3.7 | 38.2 | 74.0 | -35.8 | Peak | Horizontal |
| * | 6610.0 | 32.8 | 8.7 | 41.5 | 80.8 | -39.3 | Peak | Horizontal |
| * | 8692.5 | 31.1 | 13.7 | 44.8 | 80.8 | -36.0 | Peak | Horizontal |
| | 4085.5 | 36.3 | 0.7 | 37.0 | 74.0 | -37.0 | Peak | Vertical |
| | 4901.5 | 34.0 | 3.7 | 37.7 | 74.0 | -36.3 | Peak | Vertical |
| * | 6712.0 | 33.2 | 8.7 | 41.9 | 80.8 | -38.9 | Peak | Vertical |
| * | 8828.5 | 30.9 | 14.0 | 44.9 | 80.8 | -35.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (110.8dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11g - Ant 2 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4034.5 | 35.9 | 0.5 | 36.4 | 74.0 | -37.6 | Peak | Horizontal |
| | 4910.0 | 34.1 | 3.7 | 37.8 | 74.0 | -36.2 | Peak | Horizontal |
| * | 6380.5 | 33.1 | 7.6 | 40.7 | 80.8 | -40.1 | Peak | Horizontal |
| * | 7910.5 | 31.2 | 12.4 | 43.6 | 80.8 | -37.2 | Peak | Horizontal |
| | 4111.0 | 35.3 | 0.8 | 36.1 | 74.0 | -37.9 | Peak | Vertical |
| | 4876.0 | 34.7 | 3.7 | 38.4 | 74.0 | -35.6 | Peak | Vertical |
| * | 6618.5 | 34.0 | 8.7 | 42.7 | 80.8 | -38.1 | Peak | Vertical |
| * | 8616.0 | 30.7 | 13.5 | 44.2 | 80.8 | -36.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (110.8dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT20 - Ant 2 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4094.0 | 35.0 | 0.7 | 35.7 | 74.0 | -38.3 | Peak | Horizontal |
| | 4740.0 | 35.2 | 3.6 | 38.8 | 74.0 | -35.2 | Peak | Horizontal |
| * | 6686.5 | 32.6 | 8.7 | 41.3 | 80.0 | -38.7 | Peak | Horizontal |
| * | 8616.0 | 31.1 | 13.5 | 44.6 | 80.0 | -35.4 | Peak | Horizontal |
| | 4119.5 | 35.5 | 0.8 | 36.3 | 74.0 | -37.7 | Peak | Vertical |
| | 4961.0 | 34.0 | 3.7 | 37.7 | 74.0 | -36.3 | Peak | Vertical |
| * | 6457.0 | 33.3 | 8.1 | 41.4 | 80.0 | -38.6 | Peak | Vertical |
| * | 8624.5 | 32.8 | 13.5 | 46.3 | 80.0 | -33.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (110.0dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT20 - Ant 2 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4034.5 | 35.6 | 0.5 | 36.1 | 74.0 | -37.9 | Peak | Horizontal |
| | 4697.5 | 35.3 | 3.6 | 38.9 | 74.0 | -35.1 | Peak | Horizontal |
| * | 6610.0 | 32.2 | 8.7 | 40.9 | 81.2 | -40.3 | Peak | Horizontal |
| * | 8735.0 | 31.0 | 13.9 | 44.9 | 81.2 | -36.3 | Peak | Horizontal |
| | 3864.5 | 34.5 | 0.3 | 34.8 | 74.0 | -39.2 | Peak | Vertical |
| | 4765.5 | 33.2 | 3.7 | 36.9 | 74.0 | -37.1 | Peak | Vertical |
| * | 6627.0 | 32.1 | 8.7 | 40.8 | 81.2 | -40.4 | Peak | Vertical |
| * | 8573.5 | 30.0 | 13.3 | 43.3 | 81.2 | -37.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.2dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT20 - Ant 2 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4043.0 | 35.5 | 0.5 | 36.0 | 74.0 | -38.0 | Peak | Horizontal |
| | 4850.5 | 34.2 | 3.7 | 37.9 | 74.0 | -36.1 | Peak | Horizontal |
| * | 5828.0 | 34.6 | 5.6 | 40.2 | 80.4 | -40.2 | Peak | Horizontal |
| * | 8820.0 | 29.9 | 14.0 | 43.9 | 80.4 | -36.5 | Peak | Horizontal |
| | 4026.0 | 35.4 | 0.5 | 35.9 | 74.0 | -38.1 | Peak | Vertical |
| | 4791.0 | 34.3 | 3.7 | 38.0 | 74.0 | -36.0 | Peak | Vertical |
| * | 6448.5 | 33.1 | 8.0 | 41.1 | 80.4 | -39.3 | Peak | Vertical |
| * | 8760.5 | 31.0 | 13.9 | 44.9 | 80.4 | -35.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (110.4dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT40 - Ant 2 | Test Channel: | 03 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4060.0 | 35.1 | 0.6 | 35.7 | 74.0 | -38.3 | Peak | Horizontal |
| | 4748.5 | 34.4 | 3.7 | 38.1 | 74.0 | -35.9 | Peak | Horizontal |
| * | 6440.0 | 33.1 | 8.0 | 41.1 | 75.7 | -34.6 | Peak | Horizontal |
| * | 8641.5 | 30.4 | 13.5 | 43.9 | 75.7 | -31.8 | Peak | Horizontal |
| | 4017.5 | 35.4 | 0.4 | 35.8 | 74.0 | -38.2 | Peak | Vertical |
| | 4680.5 | 34.6 | 3.5 | 38.1 | 74.0 | -35.9 | Peak | Vertical |
| * | 6593.0 | 32.2 | 8.7 | 40.9 | 75.7 | -34.8 | Peak | Vertical |
| * | 8743.5 | 30.6 | 13.9 | 44.5 | 75.7 | -31.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (105.7dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT40 - Ant 2 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 3949.5 | 35.7 | 0.3 | 36.0 | 74.0 | -38.0 | Peak | Horizontal |
| | 4706.0 | 34.0 | 3.6 | 37.6 | 74.0 | -36.4 | Peak | Horizontal |
| * | 6448.5 | 33.5 | 8.0 | 41.5 | 77.4 | -35.9 | Peak | Horizontal |
| * | 8828.5 | 29.9 | 14.0 | 43.9 | 77.4 | -33.5 | Peak | Horizontal |
| | 4094.0 | 35.6 | 0.7 | 36.3 | 74.0 | -37.7 | Peak | Vertical |
| | 4876.0 | 34.1 | 3.7 | 37.8 | 74.0 | -36.2 | Peak | Vertical |
| * | 6448.5 | 32.2 | 8.0 | 40.2 | 77.4 | -37.2 | Peak | Vertical |
| * | 8828.5 | 30.9 | 14.0 | 44.9 | 77.4 | -32.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (107.4dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT40 - Ant 2 | Test Channel: | 09 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4009.0 | 35.3 | 0.4 | 35.7 | 74.0 | -38.3 | Peak | Horizontal |
| | 4757.0 | 33.9 | 3.7 | 37.6 | 74.0 | -36.4 | Peak | Horizontal |
| * | 6491.0 | 32.9 | 8.3 | 41.2 | 77.0 | -35.8 | Peak | Horizontal |
| * | 8837.0 | 29.8 | 14.0 | 43.8 | 77.0 | -33.2 | Peak | Horizontal |
| | 4111.0 | 35.8 | 0.8 | 36.6 | 74.0 | -37.4 | Peak | Vertical |
| | 4944.0 | 34.8 | 3.7 | 38.5 | 74.0 | -35.5 | Peak | Vertical |
| * | 6508.0 | 32.4 | 8.4 | 40.8 | 77.0 | -36.2 | Peak | Vertical |
| * | 8718.0 | 30.0 | 13.8 | 43.8 | 77.0 | -33.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (107.0dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11b - Ant 1 + 2 (CDD Mode) | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4026.0 | 35.6 | 0.5 | 36.1 | 74.0 | -37.9 | Peak | Horizontal |
| | 4816.5 | 33.3 | 3.7 | 37.0 | 74.0 | -37.0 | Peak | Horizontal |
| * | 6440.0 | 33.1 | 8.0 | 41.1 | 81.9 | -40.8 | Peak | Horizontal |
| * | 8701.0 | 30.4 | 13.8 | 44.2 | 81.9 | -37.7 | Peak | Horizontal |
| | 4034.5 | 35.1 | 0.5 | 35.6 | 74.0 | -38.4 | Peak | Vertical |
| | 4740.0 | 34.0 | 3.6 | 37.6 | 74.0 | -36.4 | Peak | Vertical |
| * | 6406.0 | 33.0 | 7.7 | 40.7 | 81.9 | -41.2 | Peak | Vertical |
| * | 8828.5 | 30.9 | 14.0 | 44.9 | 81.9 | -37.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.9dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11b - Ant 1 + 2 (CDD Mode) | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 3992.0 | 35.4 | 0.4 | 35.8 | 74.0 | -38.2 | Peak | Horizontal |
| | 4714.5 | 34.0 | 3.6 | 37.6 | 74.0 | -36.4 | Peak | Horizontal |
| * | 6355.0 | 32.8 | 7.5 | 40.3 | 83.9 | -43.6 | Peak | Horizontal |
| * | 8837.0 | 30.6 | 14.0 | 44.6 | 83.9 | -39.3 | Peak | Horizontal |
| | 4094.0 | 34.8 | 0.7 | 35.5 | 74.0 | -38.5 | Peak | Vertical |
| | 4748.5 | 34.9 | 3.7 | 38.6 | 74.0 | -35.4 | Peak | Vertical |
| * | 6533.5 | 32.7 | 8.5 | 41.2 | 83.9 | -42.7 | Peak | Vertical |
| * | 8684.0 | 31.0 | 13.7 | 44.7 | 83.9 | -39.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.9dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11b - Ant 1 + 2 (CDD Mode) | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 3915.5 | 35.1 | 0.3 | 35.4 | 74.0 | -38.6 | Peak | Horizontal |
| | 4859.0 | 32.7 | 3.7 | 36.4 | 74.0 | -37.6 | Peak | Horizontal |
| * | 6516.5 | 32.5 | 8.5 | 41.0 | 83.7 | -42.7 | Peak | Horizontal |
| * | 8675.5 | 31.1 | 13.7 | 44.8 | 83.7 | -38.9 | Peak | Horizontal |
| | 4051.5 | 36.3 | 0.5 | 36.8 | 74.0 | -37.2 | Peak | Vertical |
| | 4995.0 | 34.9 | 3.8 | 38.7 | 74.0 | -35.3 | Peak | Vertical |
| * | 6372.0 | 33.7 | 7.5 | 41.2 | 83.7 | -42.5 | Peak | Vertical |
| * | 8684.0 | 31.5 | 13.7 | 45.2 | 83.7 | -38.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.7dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11g - Ant 1 + 2 (CDD Mode) | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4128.0 | 35.6 | 0.8 | 36.4 | 74.0 | -37.6 | Peak | Horizontal |
| | 4935.5 | 33.7 | 3.7 | 37.4 | 74.0 | -36.6 | Peak | Horizontal |
| * | 6559.0 | 32.5 | 8.6 | 41.1 | 84.7 | -43.6 | Peak | Horizontal |
| * | 8624.5 | 31.3 | 13.5 | 44.8 | 84.7 | -39.9 | Peak | Horizontal |
| | 4034.5 | 36.0 | 0.5 | 36.5 | 74.0 | -37.5 | Peak | Vertical |
| | 4961.0 | 34.9 | 3.7 | 38.6 | 74.0 | -35.4 | Peak | Vertical |
| * | 6576.0 | 32.3 | 8.6 | 40.9 | 84.7 | -43.8 | Peak | Vertical |
| * | 8573.5 | 30.6 | 13.3 | 43.9 | 84.7 | -40.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (114.7dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11g - Ant 1 + 2 (CDD Mode) | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4017.5 | 35.0 | 0.4 | 35.4 | 74.0 | -38.6 | Peak | Horizontal |
| | 4748.5 | 34.5 | 3.7 | 38.2 | 74.0 | -35.8 | Peak | Horizontal |
| * | 6448.5 | 33.8 | 8.0 | 41.8 | 86.0 | -44.2 | Peak | Horizontal |
| * | 8794.5 | 31.2 | 13.9 | 45.1 | 86.0 | -40.9 | Peak | Horizontal |
| | 3898.5 | 35.4 | 0.3 | 35.7 | 74.0 | -38.3 | Peak | Vertical |
| | 4901.5 | 34.2 | 3.7 | 37.9 | 74.0 | -36.1 | Peak | Vertical |
| * | 6508.0 | 31.9 | 8.4 | 40.3 | 86.0 | -45.7 | Peak | Vertical |
| * | 8692.5 | 31.0 | 13.7 | 44.7 | 86.0 | -41.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (116.0dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11g - Ant 1 + 2 (CDD Mode) | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 3924.0 | 35.5 | 0.3 | 35.8 | 74.0 | -38.2 | Peak | Horizontal |
| | 4697.5 | 34.3 | 3.6 | 37.9 | 74.0 | -36.1 | Peak | Horizontal |
| * | 6414.5 | 33.7 | 7.8 | 41.5 | 85.9 | -44.4 | Peak | Horizontal |
| * | 8556.5 | 31.4 | 13.2 | 44.6 | 85.9 | -41.3 | Peak | Horizontal |
| | 3975.0 | 35.4 | 0.4 | 35.8 | 74.0 | -38.2 | Peak | Vertical |
| | 4961.0 | 35.0 | 3.7 | 38.7 | 74.0 | -35.3 | Peak | Vertical |
| * | 6363.5 | 33.6 | 7.5 | 41.1 | 85.9 | -44.8 | Peak | Vertical |
| * | 8650.0 | 30.5 | 13.6 | 44.1 | 85.9 | -41.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (115.9dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT20 - Ant 1 + 2 (CDD Mode) | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4026.0 | 35.8 | 0.5 | 36.3 | 74.0 | -37.7 | Peak | Horizontal |
| | 4723.0 | 33.8 | 3.6 | 37.4 | 74.0 | -36.6 | Peak | Horizontal |
| * | 6406.0 | 32.9 | 7.7 | 40.6 | 83.8 | -43.2 | Peak | Horizontal |
| * | 8692.5 | 30.5 | 13.7 | 44.2 | 83.8 | -39.6 | Peak | Horizontal |
| | 4034.5 | 35.8 | 0.5 | 36.3 | 74.0 | -37.7 | Peak | Vertical |
| | 4774.0 | 34.2 | 3.7 | 37.9 | 74.0 | -36.1 | Peak | Vertical |
| * | 6610.0 | 32.0 | 8.7 | 40.7 | 83.8 | -43.1 | Peak | Vertical |
| * | 7978.5 | 31.4 | 12.5 | 43.9 | 83.8 | -39.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.8dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT20 - Ant 1 + 2 (CDD Mode) | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4128.0 | 35.2 | 0.8 | 36.0 | 74.0 | -38.0 | Peak | Horizontal |
| | 4969.5 | 34.1 | 3.7 | 37.8 | 74.0 | -36.2 | Peak | Horizontal |
| * | 6321.0 | 33.4 | 7.3 | 40.7 | 84.7 | -44.0 | Peak | Horizontal |
| * | 8650.0 | 31.6 | 13.6 | 45.2 | 84.7 | -39.5 | Peak | Horizontal |
| | 4077.0 | 35.7 | 0.6 | 36.3 | 74.0 | -37.7 | Peak | Vertical |
| | 4859.0 | 33.8 | 3.7 | 37.5 | 74.0 | -36.5 | Peak | Vertical |
| * | 6508.0 | 32.7 | 8.4 | 41.1 | 84.7 | -43.6 | Peak | Vertical |
| * | 8718.0 | 31.1 | 13.8 | 44.9 | 84.7 | -39.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (114.7dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT20 - Ant 1 + 2 (CDD Mode) | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 3898.5 | 35.4 | 0.3 | 35.7 | 74.0 | -38.3 | Peak | Horizontal |
| | 4952.5 | 33.7 | 3.7 | 37.4 | 74.0 | -36.6 | Peak | Horizontal |
| * | 6737.5 | 33.3 | 8.8 | 42.1 | 84.4 | -42.3 | Peak | Horizontal |
| * | 8964.5 | 30.4 | 14.1 | 44.5 | 84.4 | -39.9 | Peak | Horizontal |
| | 3890.0 | 35.3 | 0.3 | 35.6 | 74.0 | -38.4 | Peak | Vertical |
| | 4748.5 | 34.3 | 3.7 | 38.0 | 74.0 | -36.0 | Peak | Vertical |
| * | 6635.5 | 32.9 | 8.7 | 41.6 | 84.4 | -42.8 | Peak | Vertical |
| * | 8896.5 | 29.7 | 14.0 | 43.7 | 84.4 | -40.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (114.4dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT40 - Ant 1 + 2 (CDD Mode) | Test Channel: | 03 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 3958.0 | 35.9 | 0.3 | 36.2 | 74.0 | -37.8 | Peak | Horizontal |
| | 4935.5 | 33.5 | 3.7 | 37.2 | 74.0 | -36.8 | Peak | Horizontal |
| * | 6389.0 | 33.1 | 7.6 | 40.7 | 80.1 | -39.4 | Peak | Horizontal |
| * | 8709.5 | 29.9 | 13.8 | 43.7 | 80.1 | -36.4 | Peak | Horizontal |
| | 4026.0 | 35.5 | 0.5 | 36.0 | 74.0 | -38.0 | Peak | Vertical |
| | 4706.0 | 34.6 | 3.6 | 38.2 | 74.0 | -35.8 | Peak | Vertical |
| * | 6618.5 | 32.8 | 8.7 | 41.5 | 80.1 | -38.6 | Peak | Vertical |
| * | 8896.5 | 30.2 | 14.0 | 44.2 | 80.1 | -35.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (110.1dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT40 - Ant 1 + 2 (CDD Mode) | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 3949.5 | 35.0 | 0.3 | 35.3 | 74.0 | -38.7 | Peak | Horizontal |
| | 4782.5 | 34.7 | 3.7 | 38.4 | 74.0 | -35.6 | Peak | Horizontal |
| * | 6686.5 | 33.0 | 8.7 | 41.7 | 80.5 | -38.8 | Peak | Horizontal |
| * | 8905.0 | 30.9 | 14.0 | 44.9 | 80.5 | -35.6 | Peak | Horizontal |
| | 4026.0 | 35.1 | 0.5 | 35.6 | 74.0 | -38.4 | Peak | Vertical |
| | 4842.0 | 34.8 | 3.7 | 38.5 | 74.0 | -35.5 | Peak | Vertical |
| * | 6355.0 | 33.4 | 7.5 | 40.9 | 80.5 | -39.6 | Peak | Vertical |
| * | 8837.0 | 30.9 | 14.0 | 44.9 | 80.5 | -35.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (110.5dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT40 - Ant 1 + 2 (CDD Mode) | Test Channel: | 09 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4034.5 | 34.8 | 0.5 | 35.3 | 74.0 | -38.7 | Peak | Horizontal |
| | 4774.0 | 33.6 | 3.7 | 37.3 | 74.0 | -36.7 | Peak | Horizontal |
| * | 6848.0 | 33.0 | 9.4 | 42.4 | 80.2 | -37.8 | Peak | Horizontal |
| * | 8633.0 | 31.3 | 13.5 | 44.8 | 80.2 | -35.4 | Peak | Horizontal |
| | 4119.5 | 36.1 | 0.8 | 36.9 | 74.0 | -37.1 | Peak | Vertical |
| | 4884.5 | 34.1 | 3.7 | 37.8 | 74.0 | -36.2 | Peak | Vertical |
| * | 6380.5 | 33.1 | 7.6 | 40.7 | 80.2 | -39.5 | Peak | Vertical |
| * | 8803.0 | 29.7 | 14.0 | 43.7 | 80.2 | -36.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (110.2dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode) | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4043.0 | 35.4 | 0.5 | 35.9 | 74.0 | -38.1 | Peak | Horizontal |
| | 4774.0 | 34.8 | 3.7 | 38.5 | 74.0 | -35.5 | Peak | Horizontal |
| * | 6542.0 | 33.0 | 8.6 | 41.6 | 83.4 | -41.8 | Peak | Horizontal |
| * | 8616.0 | 30.7 | 13.5 | 44.2 | 83.4 | -39.2 | Peak | Horizontal |
| | 4034.5 | 35.5 | 0.5 | 36.0 | 74.0 | -38.0 | Peak | Vertical |
| | 4927.0 | 33.7 | 3.7 | 37.4 | 74.0 | -36.6 | Peak | Vertical |
| * | 6474.0 | 32.3 | 8.2 | 40.5 | 83.4 | -42.9 | Peak | Vertical |
| * | 8684.0 | 30.8 | 13.7 | 44.5 | 83.4 | -38.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.4dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode) | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4034.5 | 35.1 | 0.5 | 35.6 | 74.0 | -38.4 | Peak | Horizontal |
| | 4757.0 | 34.1 | 3.7 | 37.8 | 74.0 | -36.2 | Peak | Horizontal |
| * | 6423.0 | 33.3 | 7.8 | 41.1 | 85.6 | -44.5 | Peak | Horizontal |
| * | 8794.5 | 31.3 | 13.9 | 45.2 | 85.6 | -40.4 | Peak | Horizontal |
| | 4034.5 | 35.2 | 0.5 | 35.7 | 74.0 | -38.3 | Peak | Vertical |
| | 4748.5 | 34.1 | 3.7 | 37.8 | 74.0 | -36.2 | Peak | Vertical |
| * | 6652.5 | 32.9 | 8.7 | 41.6 | 85.6 | -44.0 | Peak | Vertical |
| * | 8913.5 | 31.5 | 14.0 | 45.5 | 85.6 | -40.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (115.6dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode) | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 3992.0 | 34.8 | 0.4 | 35.2 | 74.0 | -38.8 | Peak | Horizontal |
| | 4740.0 | 34.7 | 3.6 | 38.3 | 74.0 | -35.7 | Peak | Horizontal |
| * | 6610.0 | 32.9 | 8.7 | 41.6 | 83.5 | -41.9 | Peak | Horizontal |
| * | 8709.5 | 31.3 | 13.8 | 45.1 | 83.5 | -38.4 | Peak | Horizontal |
| | 4111.0 | 35.0 | 0.8 | 35.8 | 74.0 | -38.2 | Peak | Vertical |
| | 4893.0 | 35.0 | 3.7 | 38.7 | 74.0 | -35.3 | Peak | Vertical |
| * | 6610.0 | 33.0 | 8.7 | 41.7 | 83.5 | -41.8 | Peak | Vertical |
| * | 8650.0 | 31.2 | 13.6 | 44.8 | 83.5 | -38.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.5dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode) | Test Channel: | 03 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4102.5 | 35.4 | 0.7 | 36.1 | 74.0 | -37.9 | Peak | Horizontal |
| | 4748.5 | 34.2 | 3.7 | 37.9 | 74.0 | -36.1 | Peak | Horizontal |
| * | 6406.0 | 34.1 | 7.7 | 41.8 | 79.1 | -37.3 | Peak | Horizontal |
| * | 8837.0 | 31.0 | 14.0 | 45.0 | 79.1 | -34.1 | Peak | Horizontal |
| | 4034.5 | 35.4 | 0.5 | 35.9 | 74.0 | -38.1 | Peak | Vertical |
| | 4918.5 | 33.5 | 3.7 | 37.2 | 74.0 | -36.8 | Peak | Vertical |
| * | 6542.0 | 32.2 | 8.6 | 40.8 | 79.1 | -38.3 | Peak | Vertical |
| * | 8760.5 | 30.6 | 13.9 | 44.5 | 79.1 | -34.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (109.1dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode) | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4034.5 | 34.8 | 0.5 | 35.3 | 74.0 | -38.7 | Peak | Horizontal |
| | 4774.0 | 34.1 | 3.7 | 37.8 | 74.0 | -36.2 | Peak | Horizontal |
| * | 6465.5 | 33.3 | 8.1 | 41.4 | 82.3 | -40.9 | Peak | Horizontal |
| * | 8650.0 | 30.7 | 13.6 | 44.3 | 82.3 | -38.0 | Peak | Horizontal |
| | 4026.0 | 35.7 | 0.5 | 36.2 | 74.0 | -37.8 | Peak | Vertical |
| | 4757.0 | 34.9 | 3.7 | 38.6 | 74.0 | -35.4 | Peak | Vertical |
| * | 6457.0 | 32.5 | 8.1 | 40.6 | 82.3 | -41.7 | Peak | Vertical |
| * | 8845.5 | 29.9 | 14.0 | 43.9 | 82.3 | -38.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (112.3dB μ V/m) or 15.209 which is higher.

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

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

| | | | |
|---------------|---|-------------------|------------|
| Product | AC220i Wi-Fi AP ID omni antenna US | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2017/08/03 |
| Test Mode: | 802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode) | Test Channel: | 09 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| | 4051.5 | 34.9 | 0.5 | 35.4 | 74.0 | -38.6 | Peak | Horizontal |
| | 4748.5 | 34.3 | 3.7 | 38.0 | 74.0 | -36.0 | Peak | Horizontal |
| * | 6533.5 | 32.5 | 8.5 | 41.0 | 79.5 | -38.5 | Peak | Horizontal |
| * | 8616.0 | 31.3 | 13.5 | 44.8 | 79.5 | -34.7 | Peak | Horizontal |
| | 4026.0 | 35.1 | 0.5 | 35.6 | 74.0 | -38.4 | Peak | Vertical |
| | 4723.0 | 34.6 | 3.6 | 38.2 | 74.0 | -35.8 | Peak | Vertical |
| * | 6627.0 | 31.8 | 8.7 | 40.5 | 79.5 | -39.0 | Peak | Vertical |
| * | 8505.5 | 31.6 | 12.9 | 44.5 | 79.5 | -35.0 | Peak | Vertical |

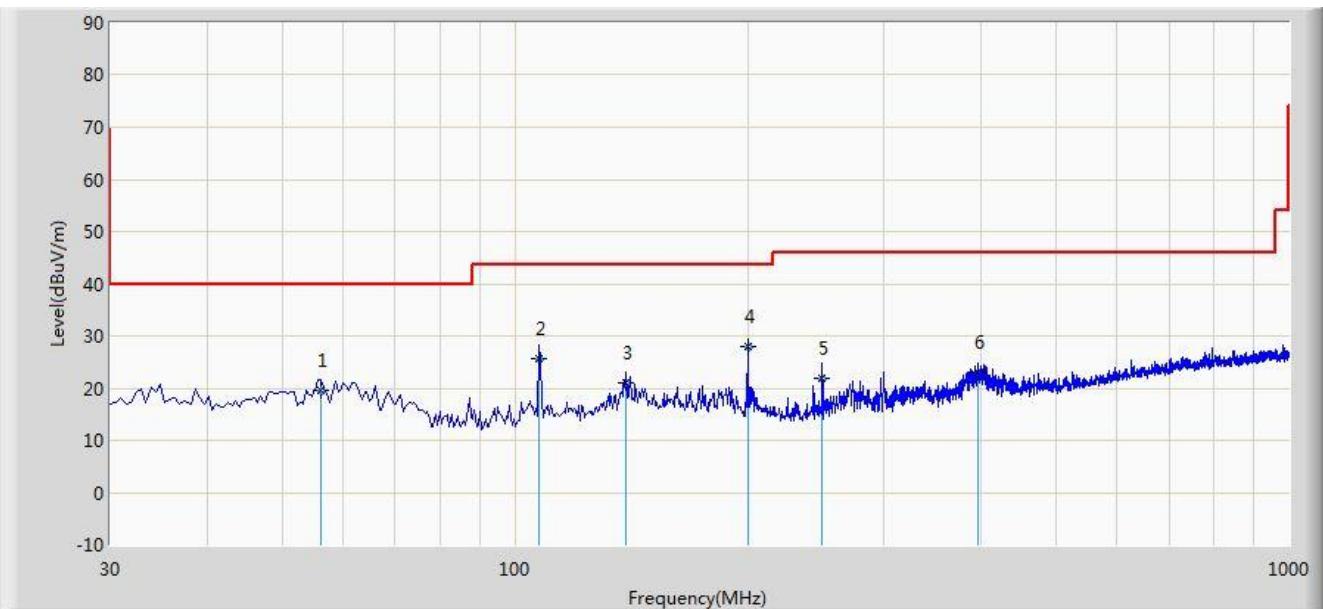
Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (109.5dB μ V/m) or 15.209 which is higher.

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

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

The worst case of Radiated Emission below 1GHz:

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 18:08 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: VULB 9168_20-2000MHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Note: There is the worst case within frequency range 30MHz~1GHz. | |



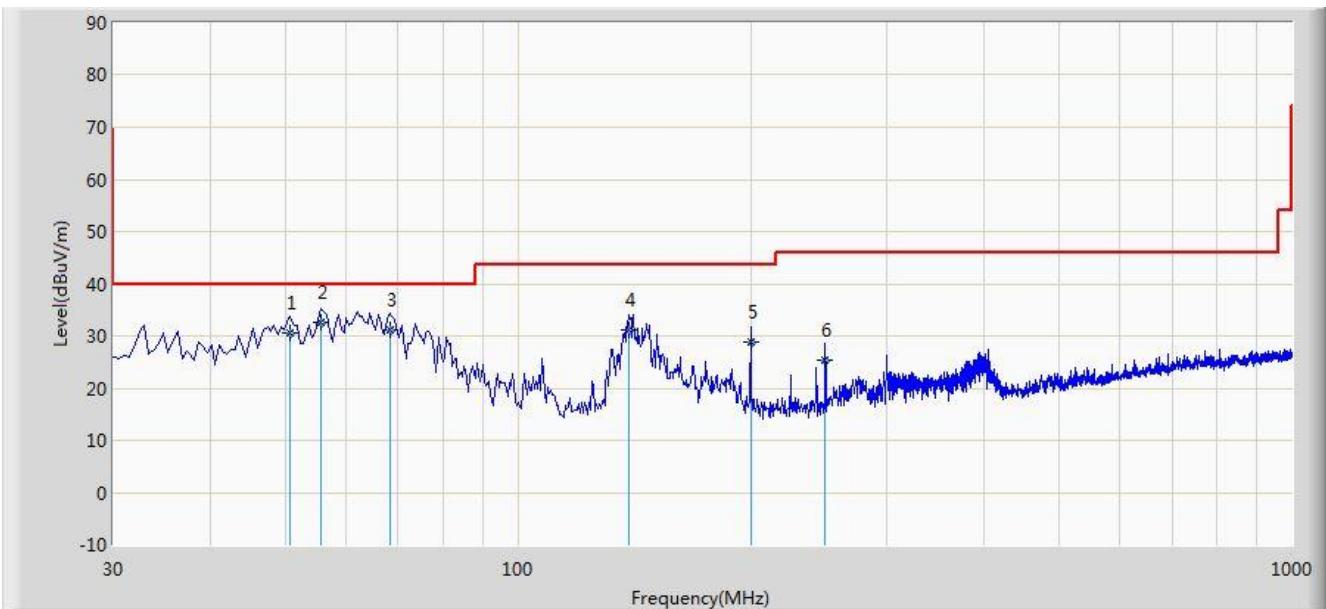
| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 56.190 | 19.583 | 5.950 | -20.417 | 40.000 | 13.633 | QP |
| 2 | | | 107.600 | 25.680 | 13.940 | -17.820 | 43.500 | 11.740 | QP |
| 3 | | | 139.125 | 20.962 | 6.540 | -22.538 | 43.500 | 14.422 | QP |
| 4 | * | | 199.750 | 27.941 | 16.830 | -15.559 | 43.500 | 11.111 | QP |
| 5 | | | 249.705 | 21.791 | 8.870 | -24.209 | 46.000 | 12.921 | QP |
| 6 | | | 396.660 | 22.977 | 6.550 | -23.023 | 46.000 | 16.427 | QP |

Note 1: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 18:08 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: VULB 9168_20-2000MHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Note: There is the worst case within frequency range 30MHz~1GHz. | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-------------|----------------|-------------|------|
| 1 | | | 50.855 | 30.538 | 16.550 | -9.462 | 40.000 | 13.987 | QP |
| 2 | * | | 55.705 | 32.586 | 18.920 | -7.414 | 40.000 | 13.667 | QP |
| 3 | | | 68.315 | 31.087 | 19.280 | -8.913 | 40.000 | 11.808 | QP |
| 4 | | | 139.125 | 31.272 | 16.850 | -12.228 | 43.500 | 14.422 | QP |
| 5 | | | 199.750 | 28.761 | 17.650 | -14.739 | 43.500 | 11.111 | QP |
| 6 | | | 249.705 | 25.241 | 12.320 | -20.759 | 46.000 | 12.921 | QP |

Note 1: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

7.7. Radiated Restricted Band Edge Measurement

7.7.1. Test Limit

For 15.205 requirement:

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

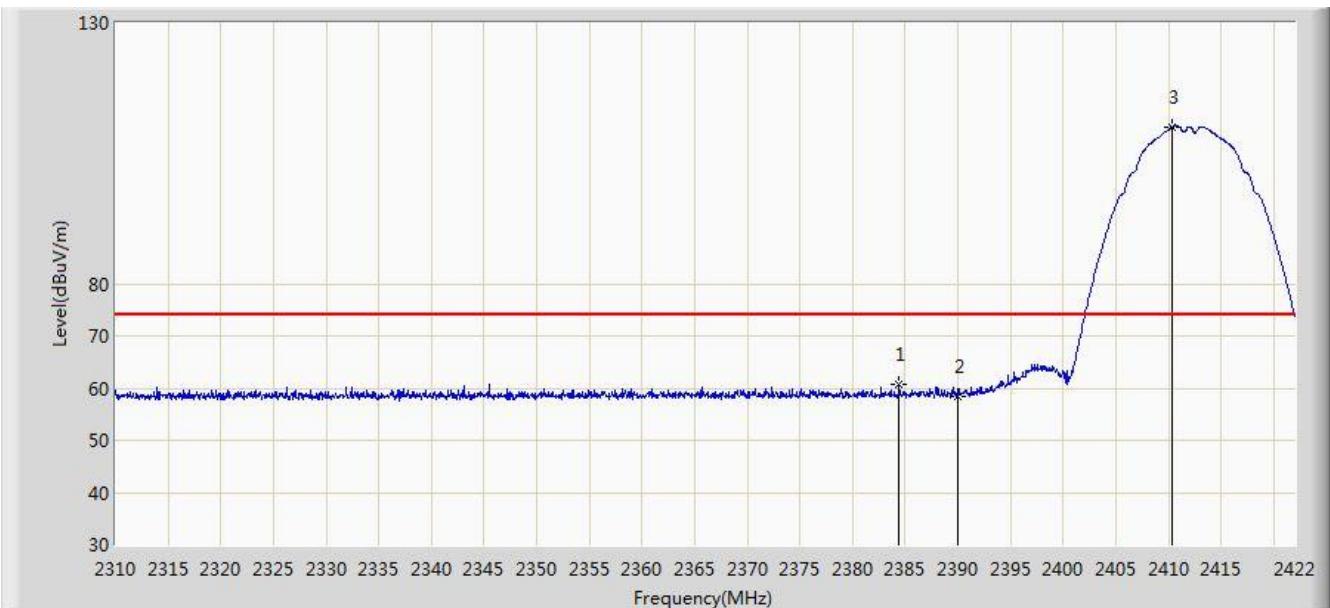
| Frequency (MHz) | Frequency (MHz) | Frequency (MHz) | Frequency (GHz) |
|----------------------------|--------------------|--------------------|--------------------|
| 0.090 - 0.110 | 16.42-16.423 | 399.9 - 410 | 4.5-5.15 |
| ¹ 0.495 - 0.505 | 16.69475-16.69525 | 608 - 614 | 5.35-5.46 |
| 2.1735-2.1905 | 16.80425-16.80475 | 960 - 1240 | 7.25-7.75 |
| 4.125-4.128 | 25.5 -25.67 | 1300 - 1427 | 8.25 - 8.5 |
| 4.17725-4.17775 | 37.5-38.25 | 1435-1626.5 | 9.0-9.2 |
| 4.20725-4.20775 | 73-74.6 | 1645.5-1646.5 | 9.3-9.5 |
| 6.215-6.218 | 74.8-75.2 | 1660 - 1710 | 10.6-12.7 |
| 6.26775-6.26825 | 108-121.94 | 1718.8-1722.2 | 13.25-13.4 |
| 6.31175-6.31225 | 123 - 138 | 2200 - 2300 | 14.47-14.5 |
| 8.291-8.294 | 149.9-150.05 | 2310-2390 | 15.35-16.2 |
| 8.362-8.366 | 156.52475-156.525 | 2483.5 - 2500 | 17.7-21.4 |
| 8.37625-8.38675 | 156.7-156.9 | 2690 - 2900 | 22.01-23.12 |
| 8.41425-8.41475 | 162.0125-167.17 | 3260 - 3267 | 23.6-24.0 |
| 12.29-12.293 | 167.72-173.2 | 3332 - 3339 | 31.2-31.8 |
| 12.51975-12.52025 | 240 - 285 | 3345.8 - 3358 | 36.43-36.5 |
| 12.57675-12.57725 | 322-335.4 | 3600 - 4400 | (²) |
| 13.36-13.41 | -- | -- | -- |

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

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

7.7.2. Test Result

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:19 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1 | |

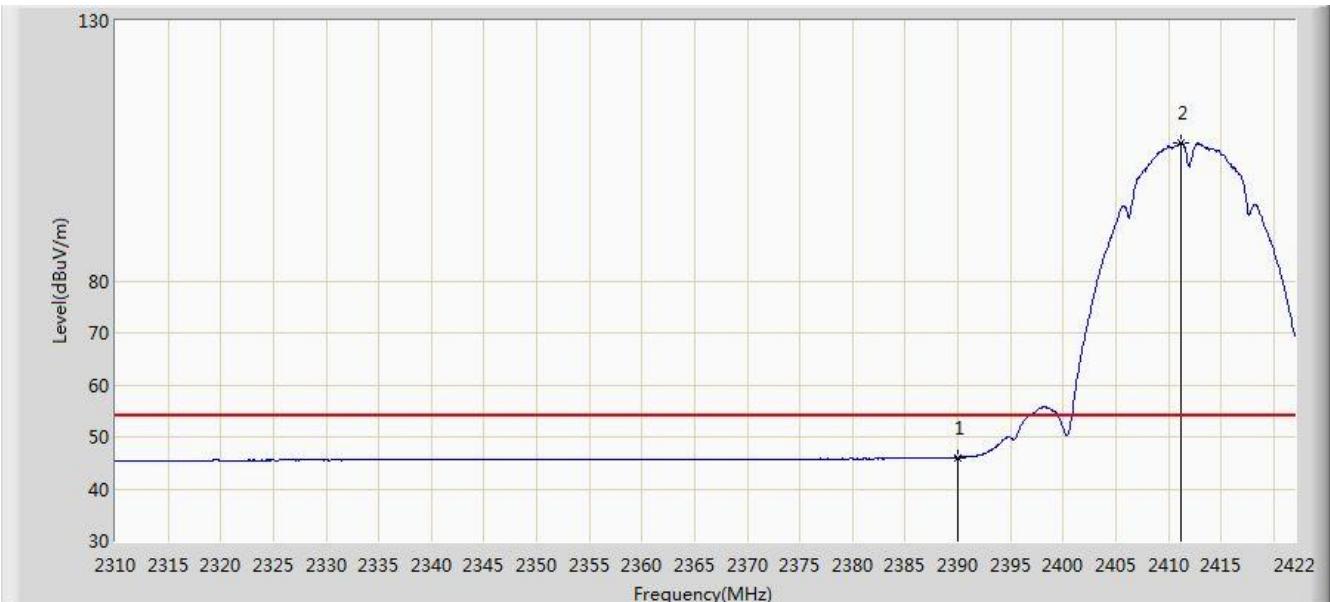


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2384.424 | 60.670 | 28.652 | -13.330 | 74.000 | 32.018 | PK |
| 2 | | | 2390.000 | 58.548 | 26.508 | -15.452 | 74.000 | 32.040 | PK |
| 3 | | * | 2410.352 | 109.993 | 77.872 | N/A | N/A | 32.121 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:23 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1 | |

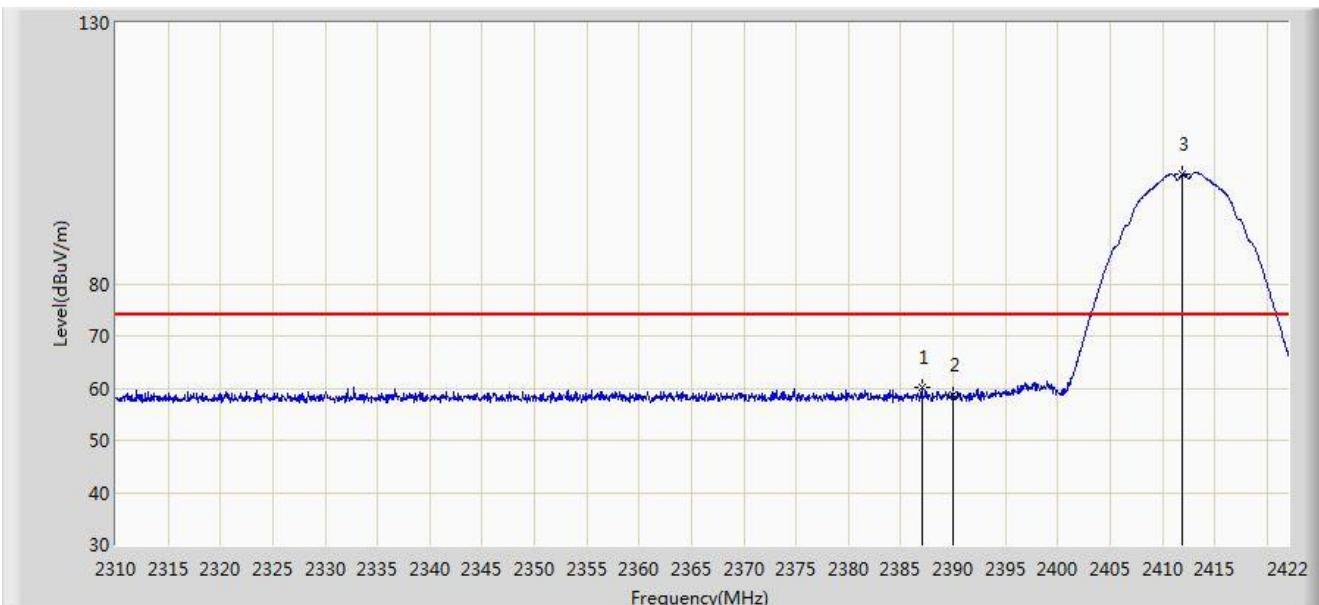


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 46.073 | 14.033 | -7.927 | 54.000 | 32.040 | AV |
| 2 | * | * | 2411.192 | 106.593 | 74.468 | N/A | N/A | 32.125 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:23 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1 | |

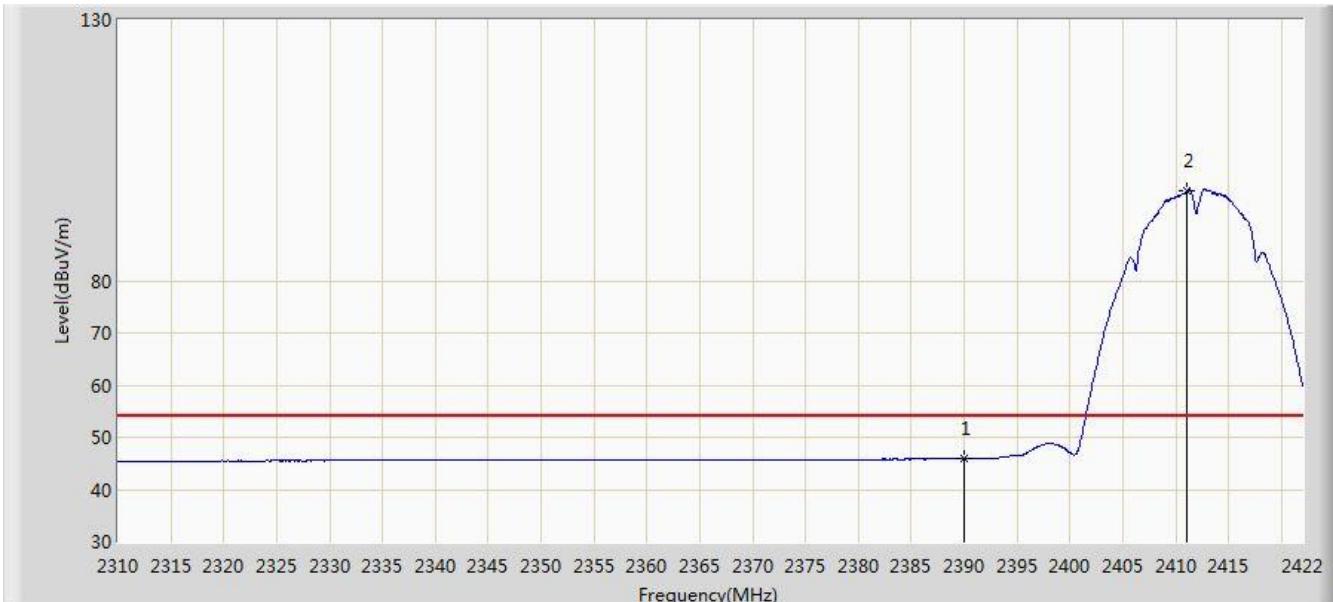


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2387.000 | 60.070 | 28.042 | -13.930 | 74.000 | 32.028 | PK |
| 2 | | | 2390.000 | 58.728 | 26.688 | -15.272 | 74.000 | 32.040 | PK |
| 3 | | * | 2411.920 | 101.049 | 68.922 | N/A | N/A | 32.128 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:26 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1 | |

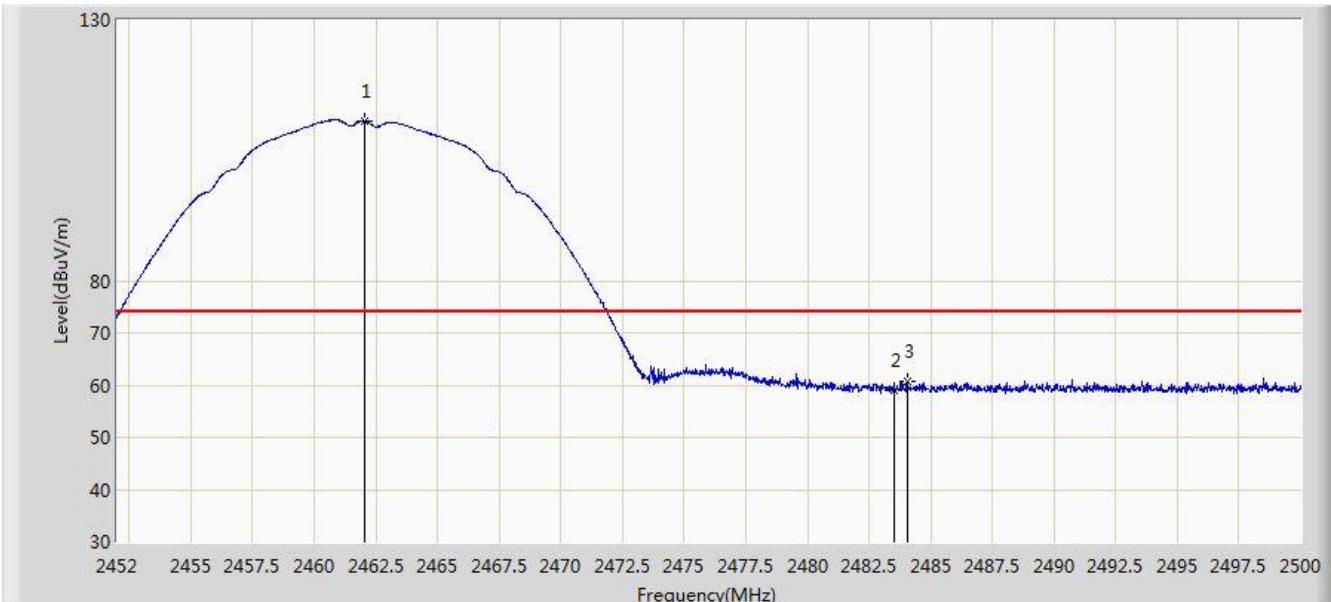


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 45.889 | 13.849 | -8.111 | 54.000 | 32.040 | AV |
| 2 | * | * | 2411.080 | 97.324 | 65.200 | N/A | N/A | 32.124 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:31 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2462.056 | 110.626 | 78.297 | N/A | N/A | 32.328 | PK |
| 2 | | | 2483.500 | 58.989 | 26.575 | -15.011 | 74.000 | 32.414 | PK |
| 3 | | | 2484.040 | 60.645 | 28.229 | -13.355 | 74.000 | 32.416 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:32 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1 | |

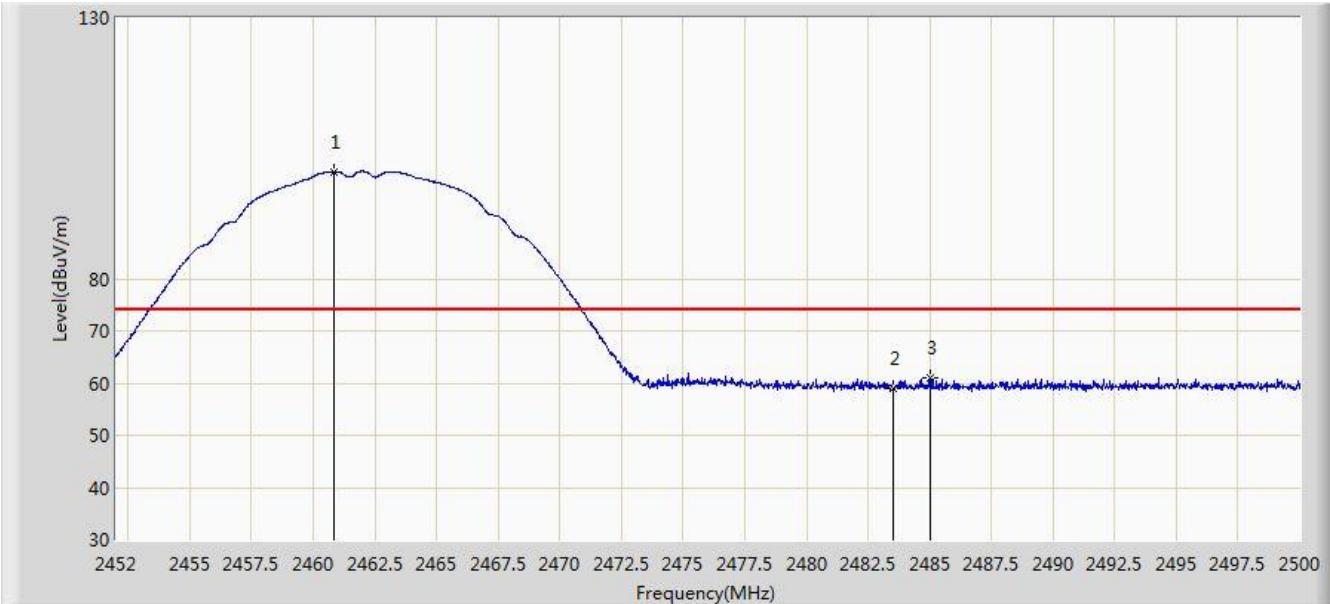


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2461.120 | 107.505 | 75.180 | N/A | N/A | 32.325 | AV |
| 2 | | | 2483.500 | 46.736 | 14.322 | -7.264 | 54.000 | 32.414 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:34 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2460.856 | 100.520 | 68.196 | N/A | N/A | 32.324 | PK |
| 2 | | | 2483.500 | 59.078 | 26.664 | -14.922 | 74.000 | 32.414 | PK |
| 3 | | | 2485.000 | 60.969 | 28.549 | -13.031 | 74.000 | 32.420 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:39 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1 | |

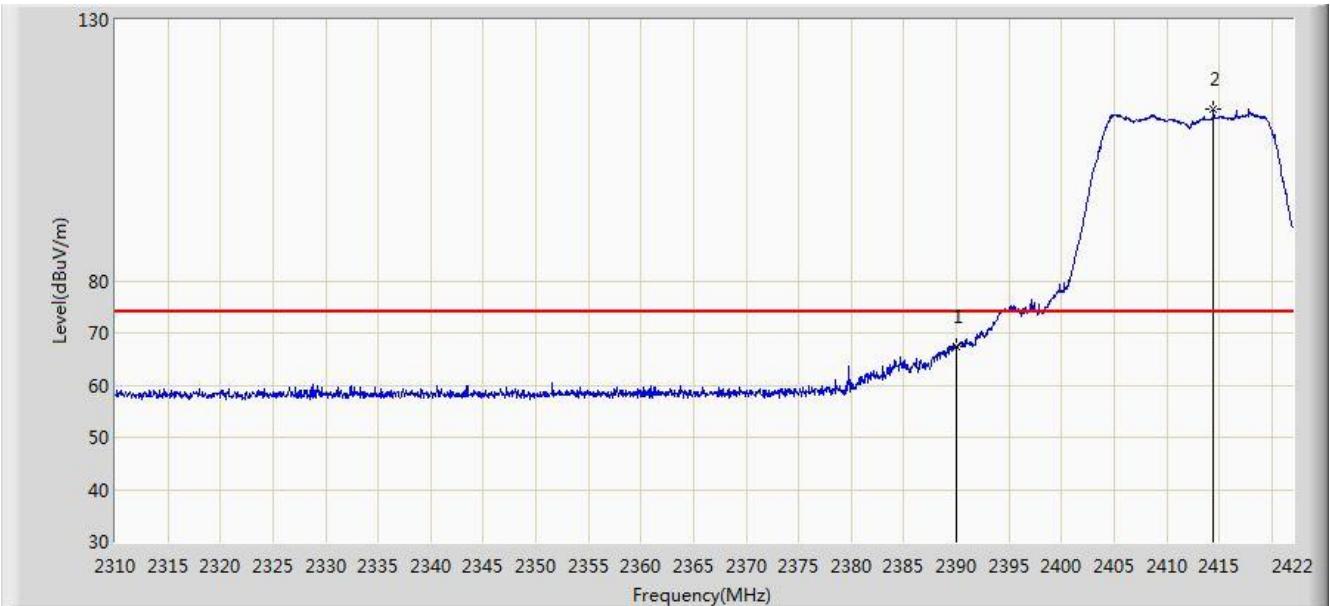


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2461.096 | 97.001 | 64.676 | N/A | N/A | 32.324 | AV |
| 2 | | | 2483.500 | 46.334 | 13.920 | -7.666 | 54.000 | 32.414 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:39 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1 | |

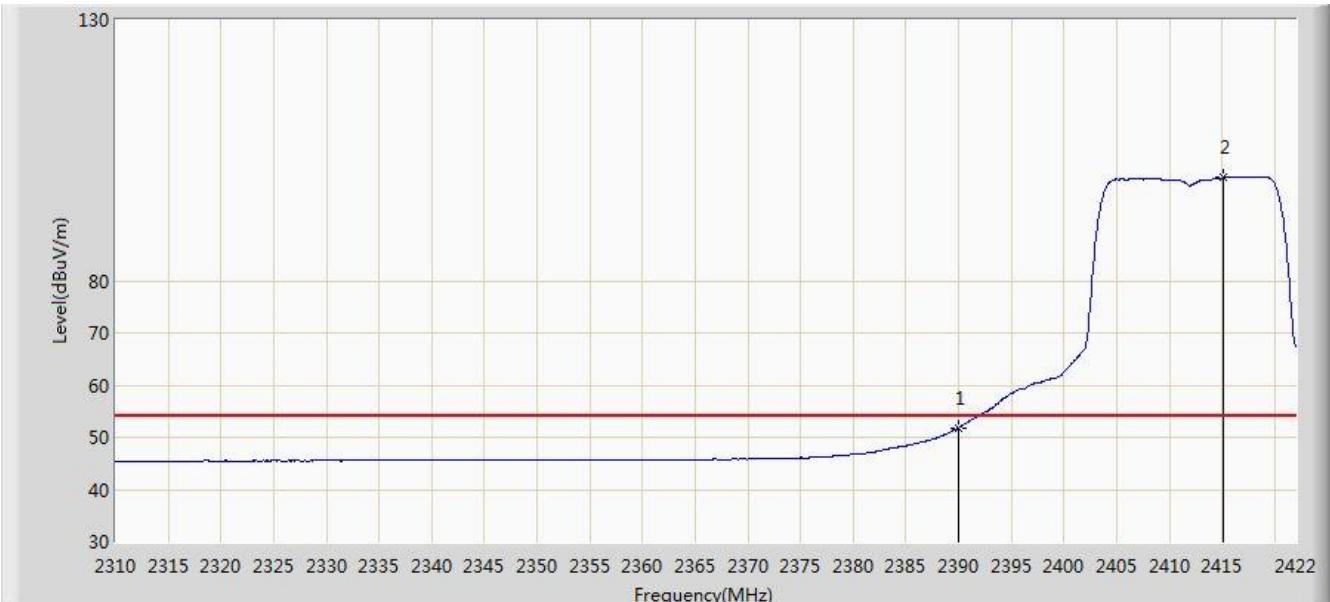


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 67.418 | 35.378 | -6.582 | 74.000 | 32.040 | PK |
| 2 | * | * | 2414.440 | 112.944 | 80.807 | N/A | N/A | 32.138 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:41 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1 | |

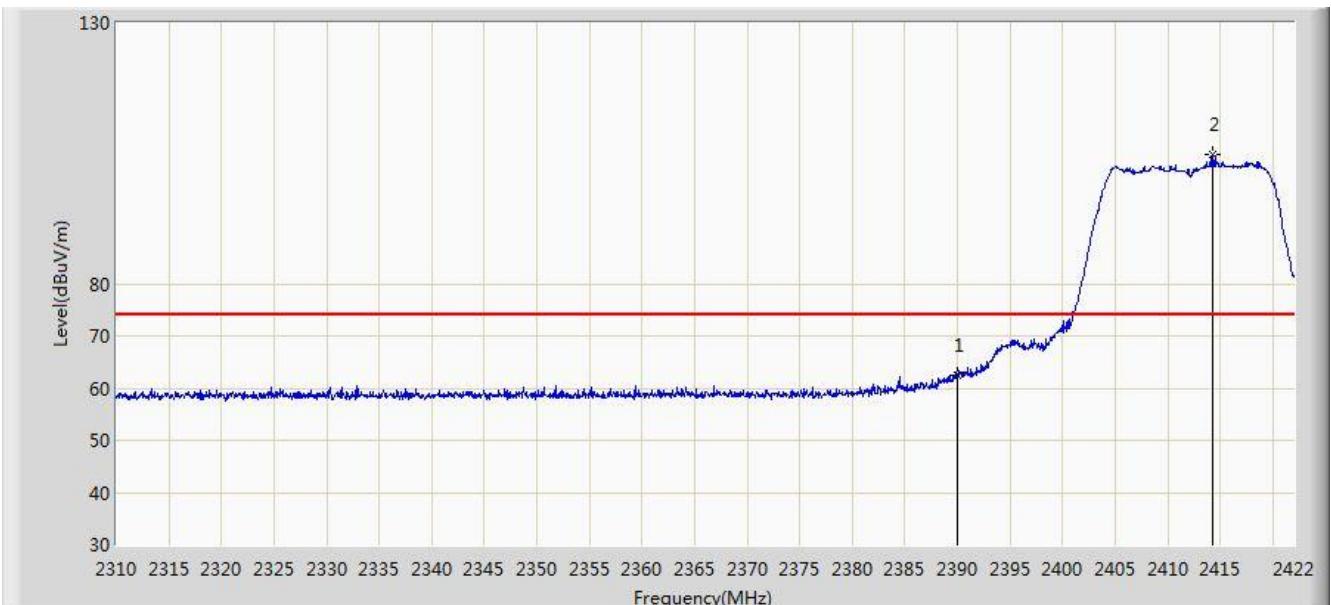


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 51.844 | 19.804 | -2.156 | 54.000 | 32.040 | AV |
| 2 | * | | 2415.168 | 99.724 | 67.584 | N/A | N/A | 32.141 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:42 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1 | |

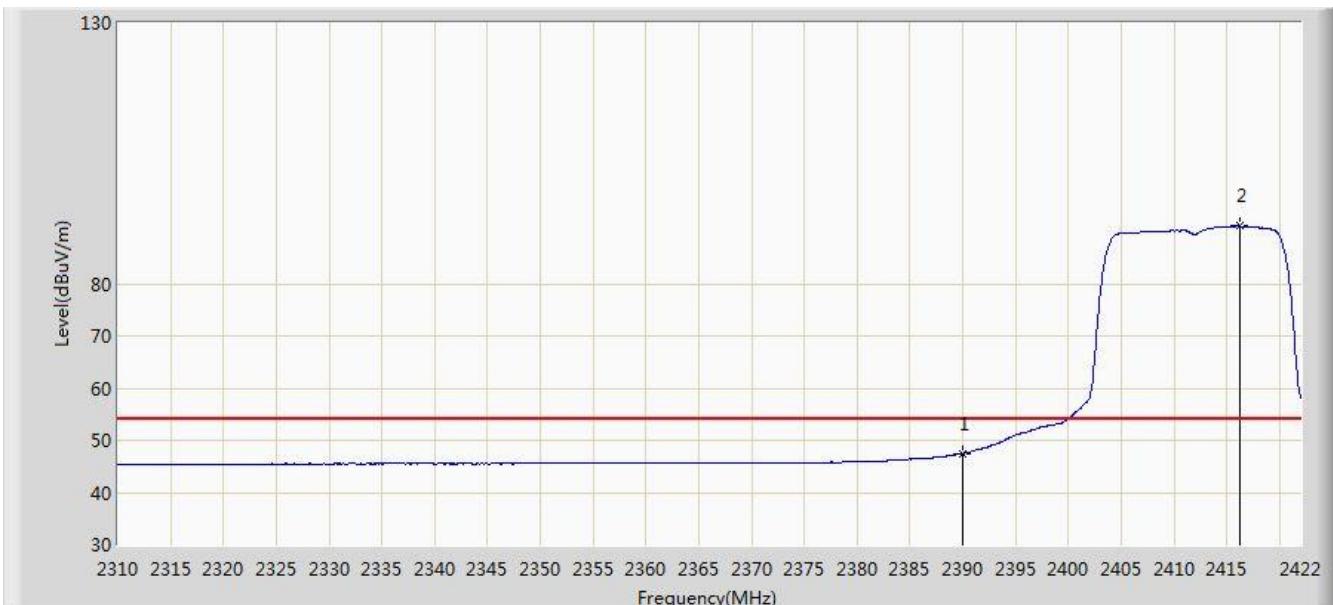


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 62.439 | 30.399 | -11.561 | 74.000 | 32.040 | PK |
| 2 | * | | 2414.272 | 104.700 | 72.563 | N/A | N/A | 32.137 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:45 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1 | |

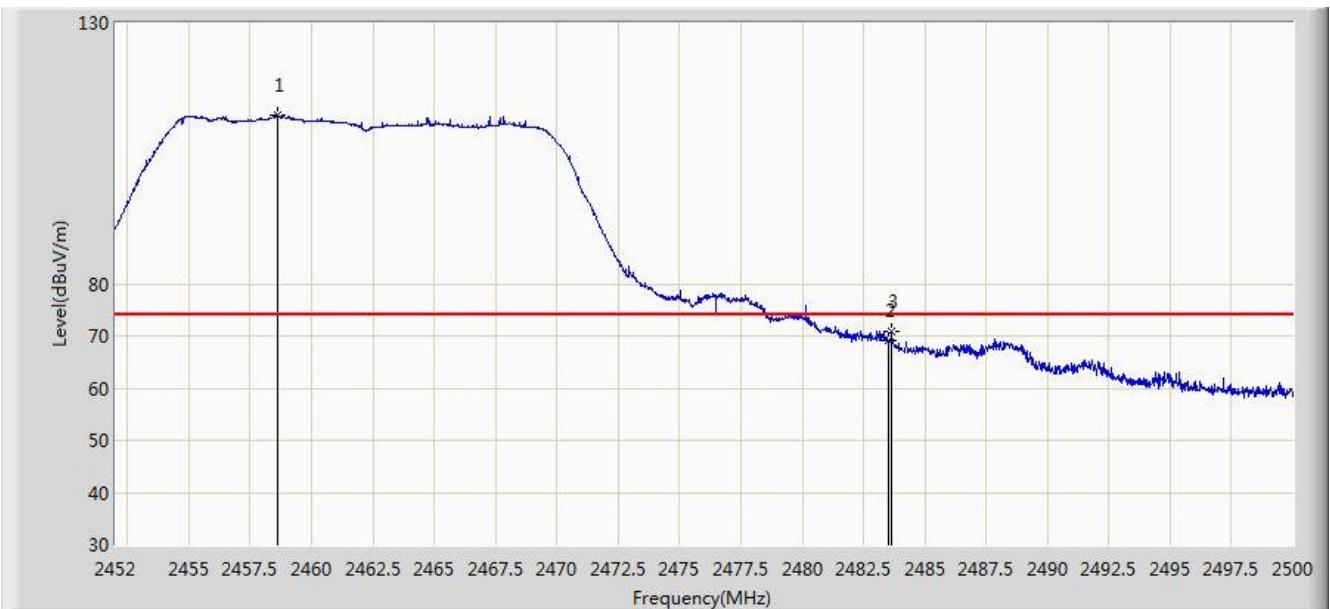


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 47.505 | 15.465 | -6.495 | 54.000 | 32.040 | AV |
| 2 | * | * | 2416.176 | 91.030 | 58.886 | N/A | N/A | 32.144 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:50 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1 | |

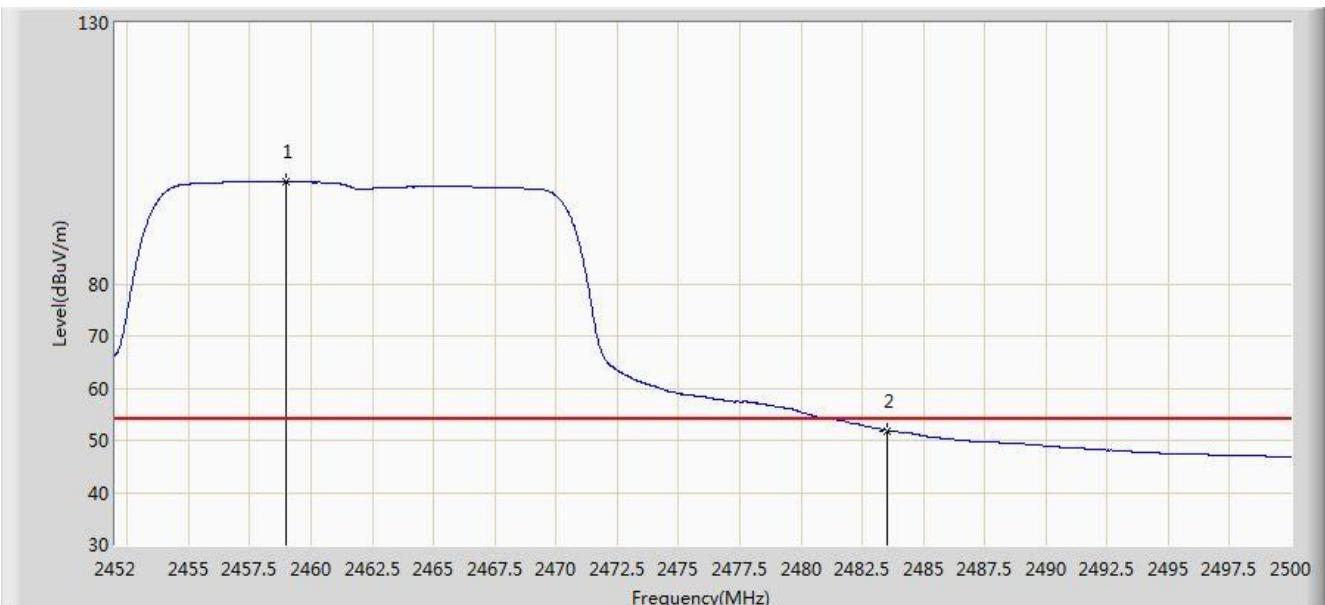


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2458.624 | 112.190 | 79.875 | N/A | N/A | 32.314 | PK |
| 2 | | | 2483.500 | 69.174 | 36.760 | -4.826 | 74.000 | 32.414 | PK |
| 3 | | | 2483.656 | 70.768 | 38.353 | -3.232 | 74.000 | 32.415 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:52 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1 | |

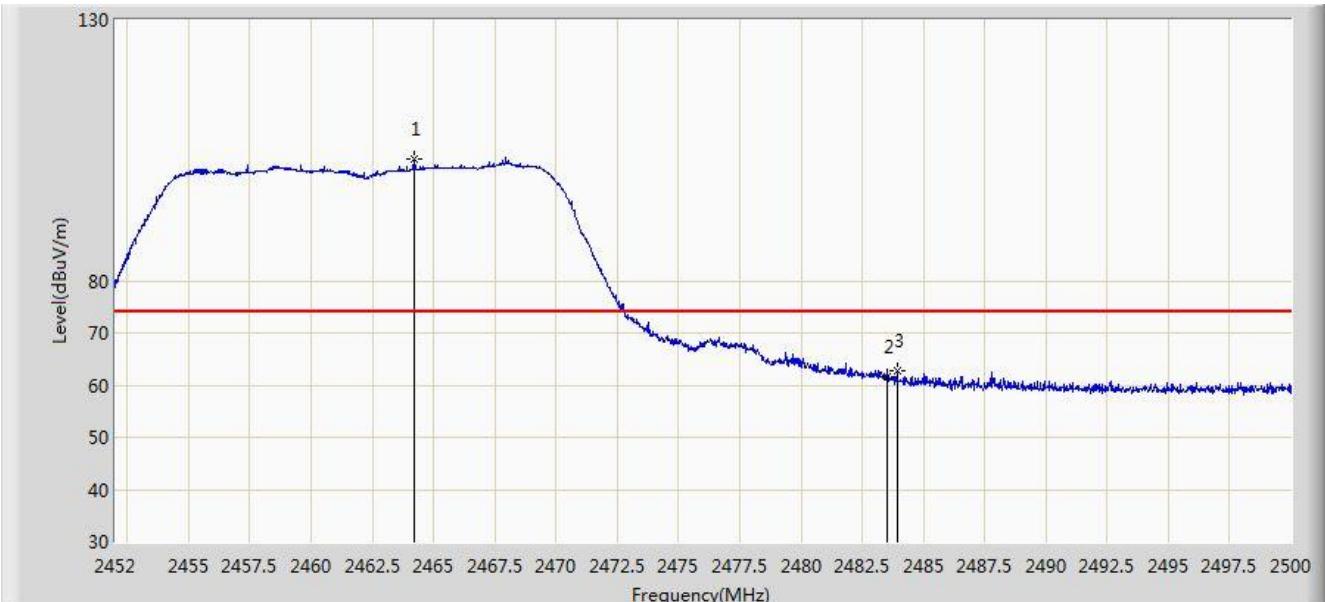


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2458.984 | 99.556 | 67.240 | N/A | N/A | 32.316 | AV |
| 2 | | | 2483.500 | 51.876 | 19.462 | -2.124 | 54.000 | 32.414 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:53 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1 | |

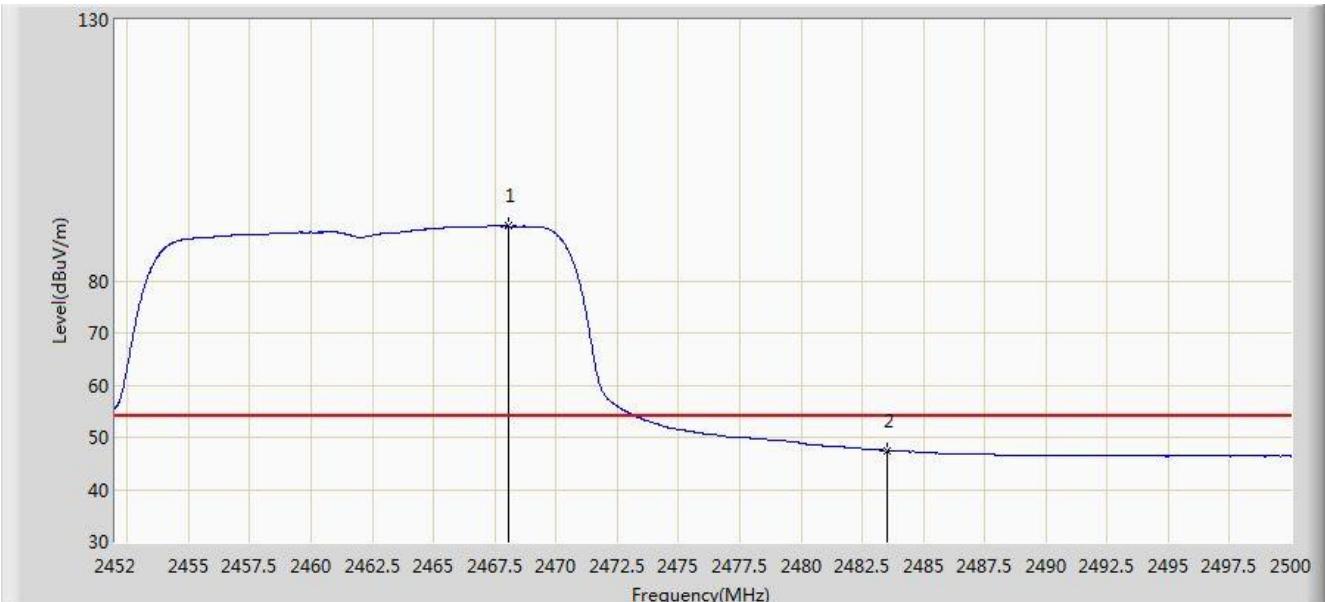


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2464.192 | 103.452 | 71.115 | N/A | N/A | 32.337 | PK |
| 2 | | | 2483.500 | 61.647 | 29.233 | -12.353 | 74.000 | 32.414 | PK |
| 3 | | | 2483.920 | 62.771 | 30.355 | -11.229 | 74.000 | 32.416 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:54 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1 | |

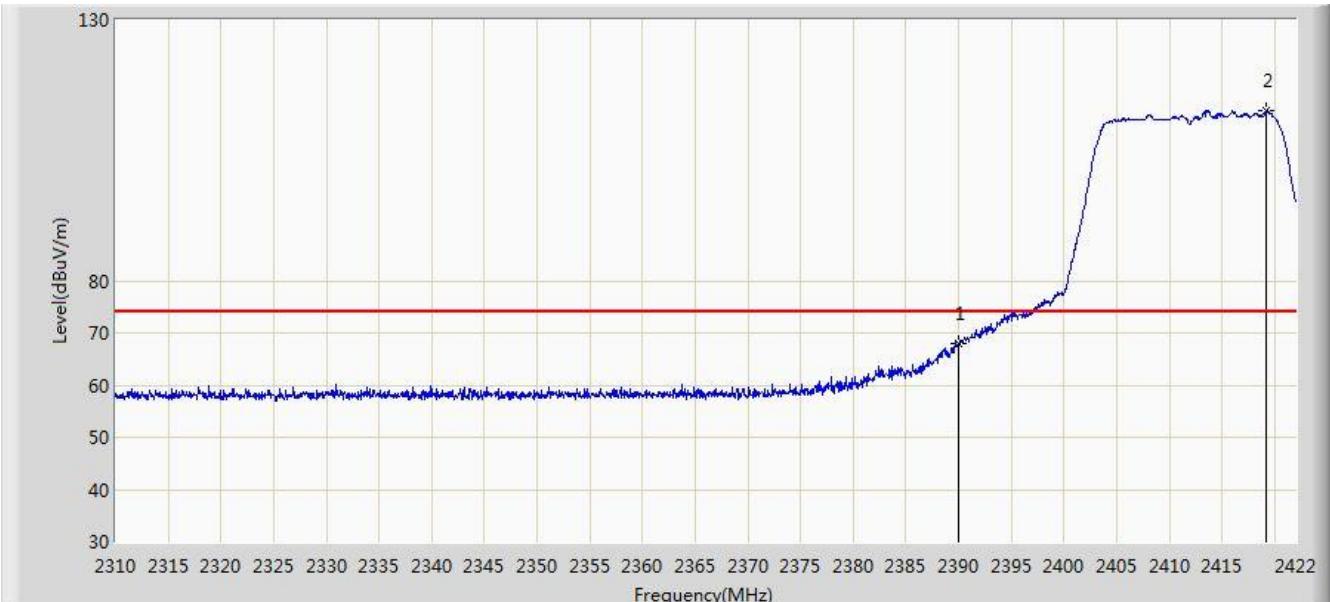


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2468.032 | 90.443 | 58.091 | N/A | N/A | 32.352 | AV |
| 2 | | | 2483.500 | 47.532 | 15.118 | -6.468 | 54.000 | 32.414 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:56 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 | |

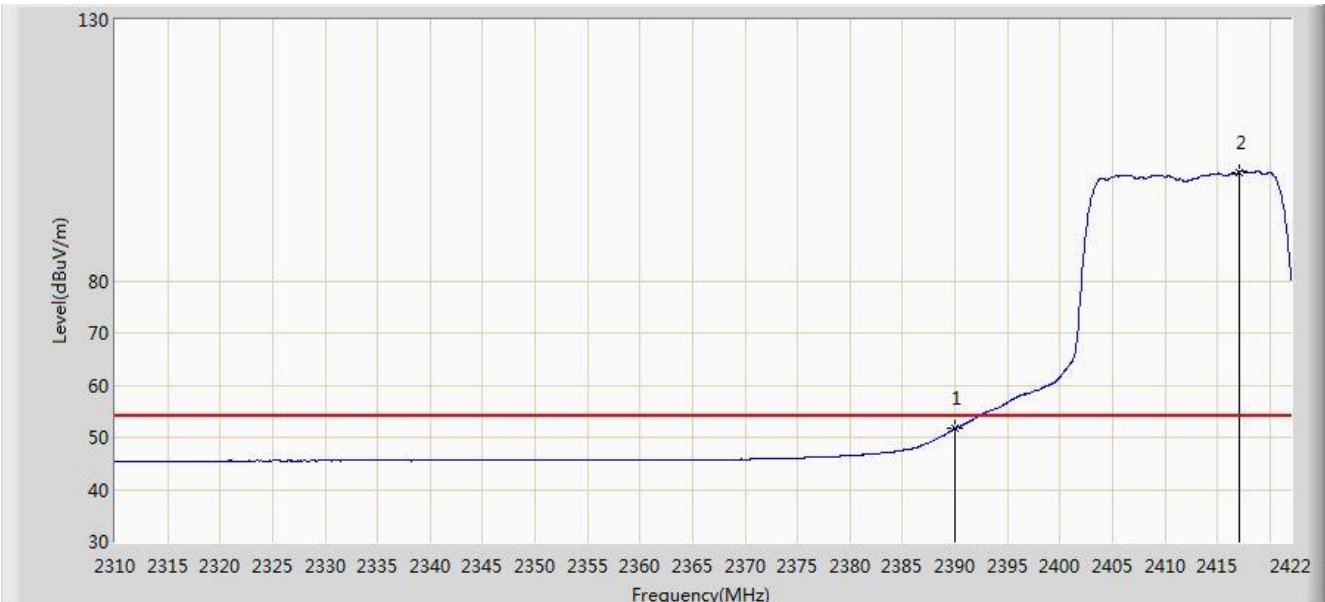


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 68.011 | 35.971 | -5.989 | 74.000 | 32.040 | PK |
| 2 | | * | 2419.256 | 112.535 | 80.378 | N/A | N/A | 32.157 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:56 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 | |

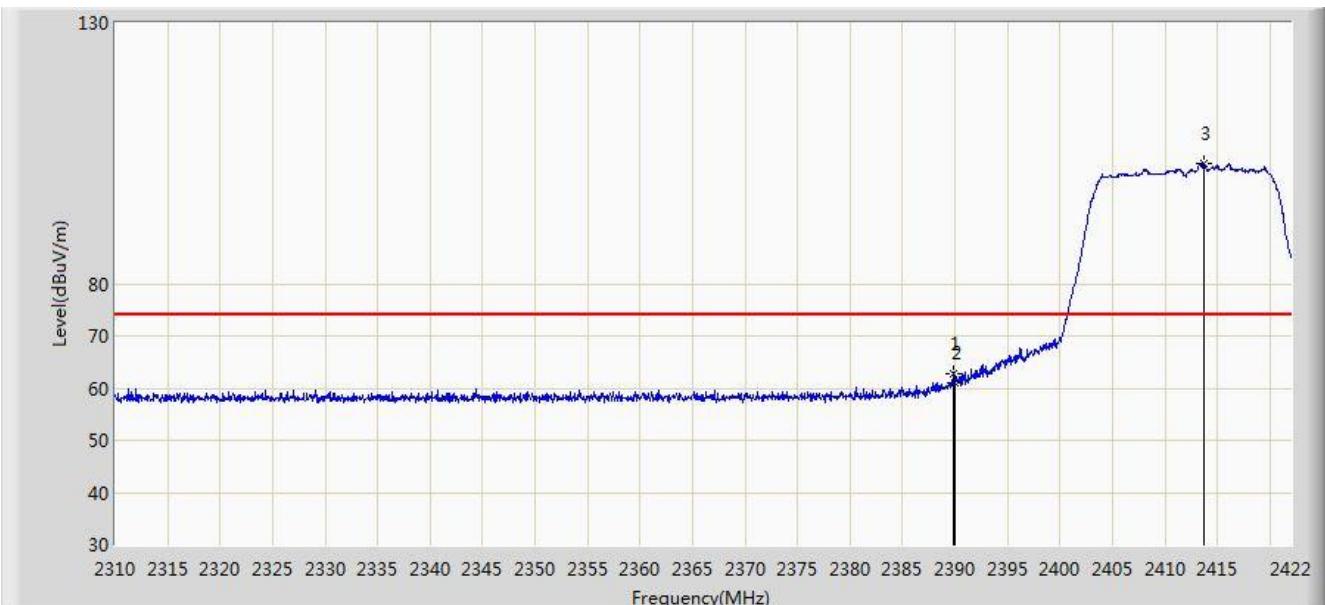


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 51.728 | 19.688 | -2.272 | 54.000 | 32.040 | AV |
| 2 | * | * | 2417.072 | 100.786 | 68.638 | N/A | N/A | 32.148 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:57 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 | |

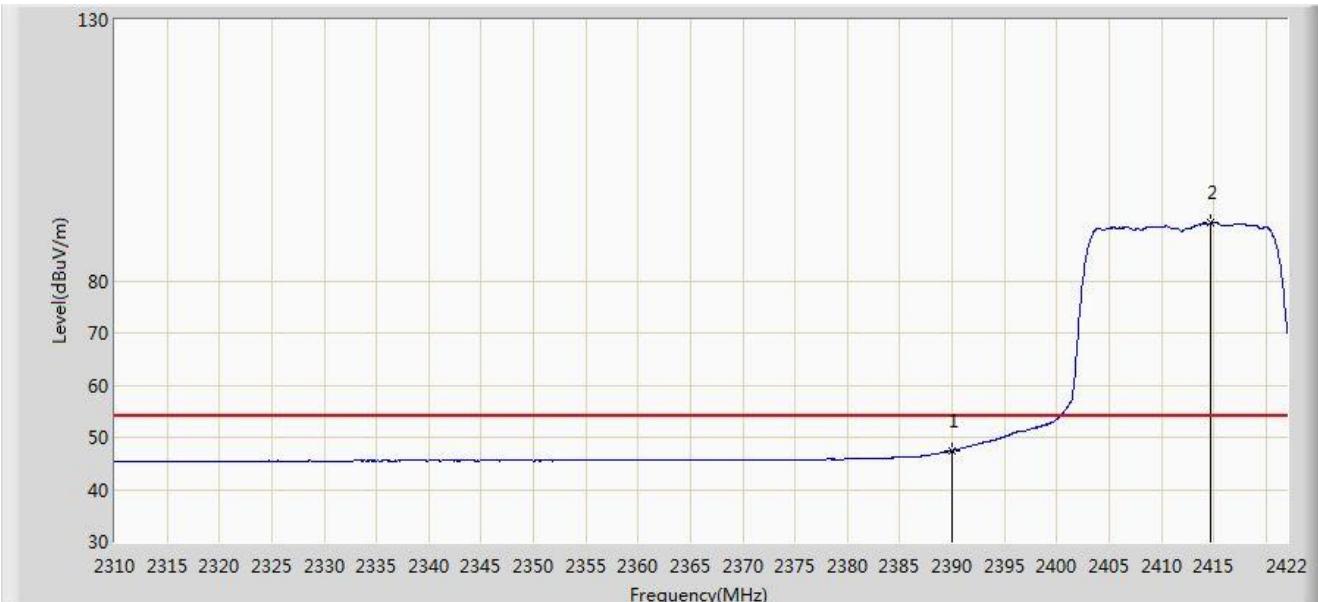


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-------------|----------------|-------------|------|
| 1 | | | 2389.800 | 62.763 | 30.724 | -11.237 | 74.000 | 32.039 | PK |
| 2 | | | 2390.000 | 61.085 | 29.045 | -12.915 | 74.000 | 32.040 | PK |
| 3 | | * | 2413.656 | 103.162 | 71.028 | N/A | N/A | 32.134 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:58 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 | |

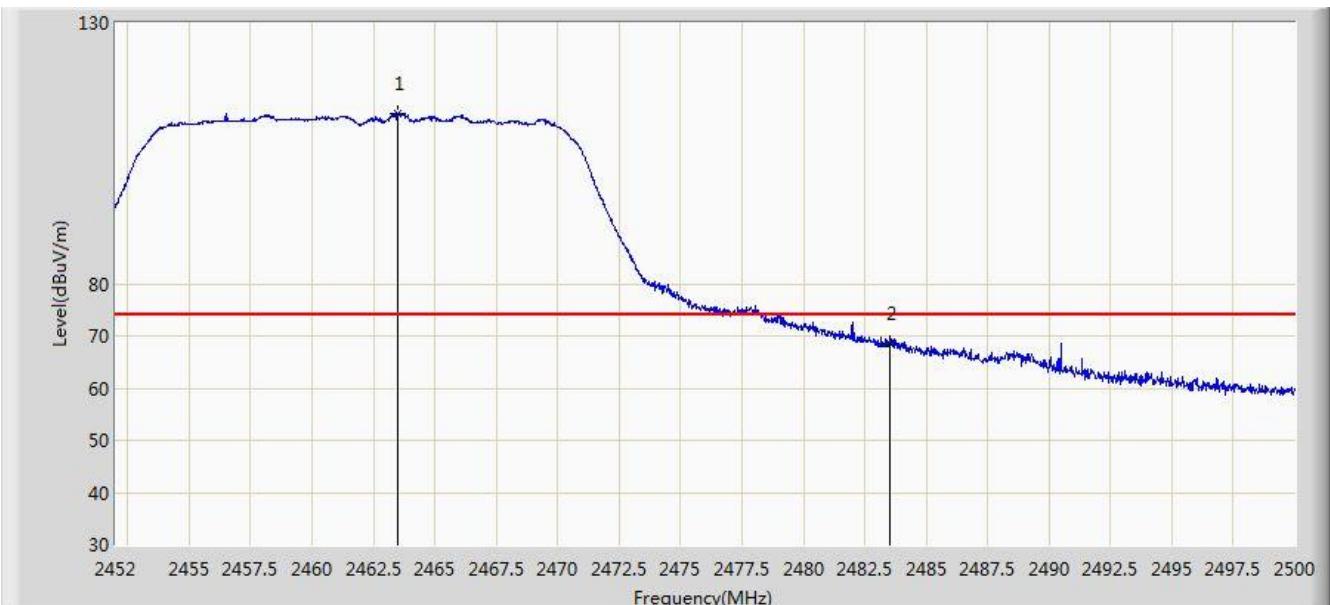


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V/m) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|------------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 47.480 | 15.440 | -6.520 | 54.000 | 32.040 | AV |
| 2 | * | | 2414.664 | 91.040 | 58.902 | N/A | N/A | 32.138 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:58 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 | |

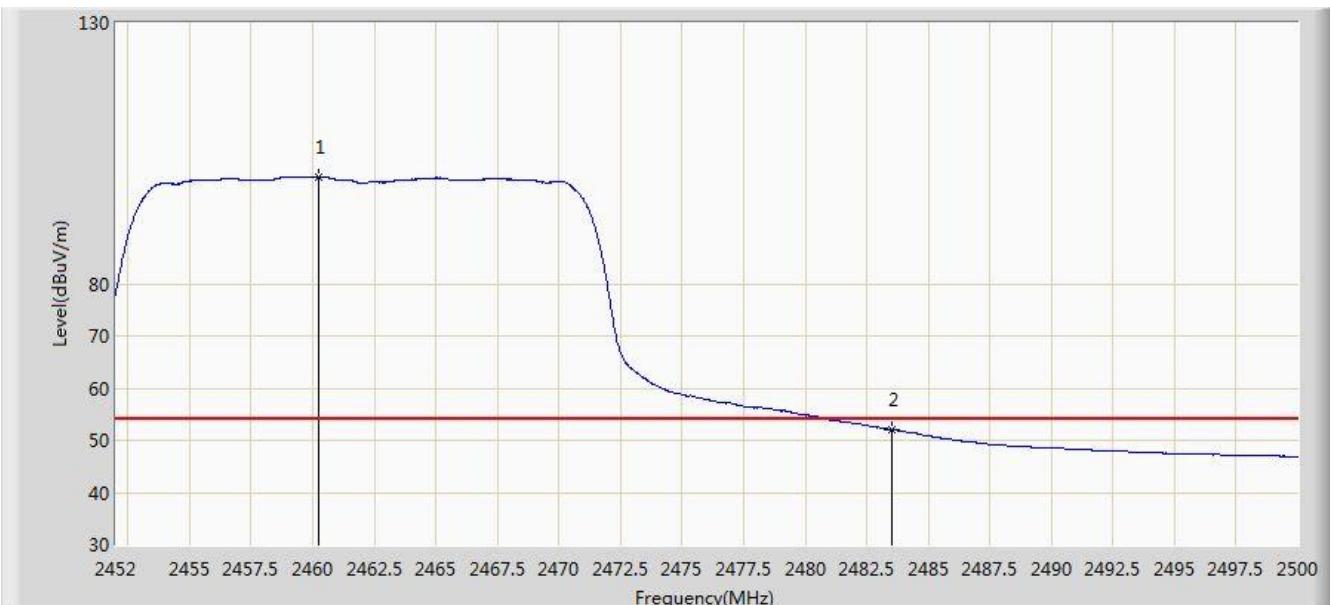


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2463.472 | 112.499 | 80.165 | N/A | N/A | 32.334 | PK |
| 2 | | | 2483.500 | 68.558 | 36.144 | -5.442 | 74.000 | 32.414 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 14:59 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 | |

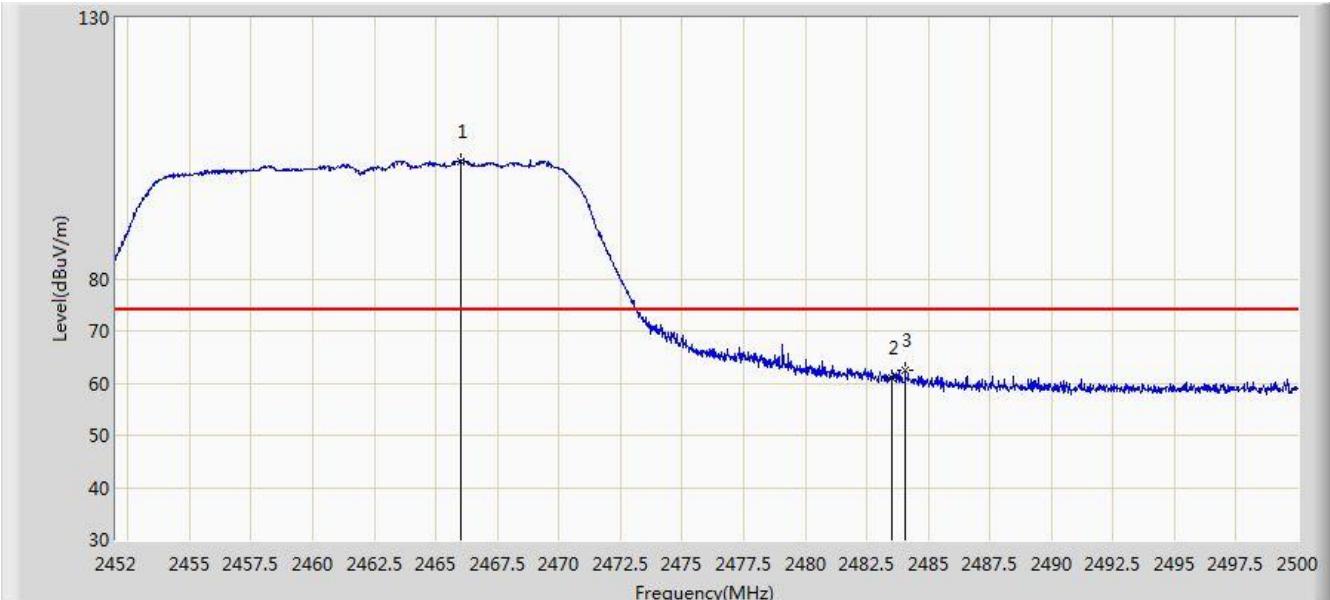


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2460.256 | 100.381 | 68.060 | N/A | N/A | 32.321 | AV |
| 2 | | | 2483.500 | 52.044 | 19.630 | -1.956 | 54.000 | 32.414 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:00 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 | |

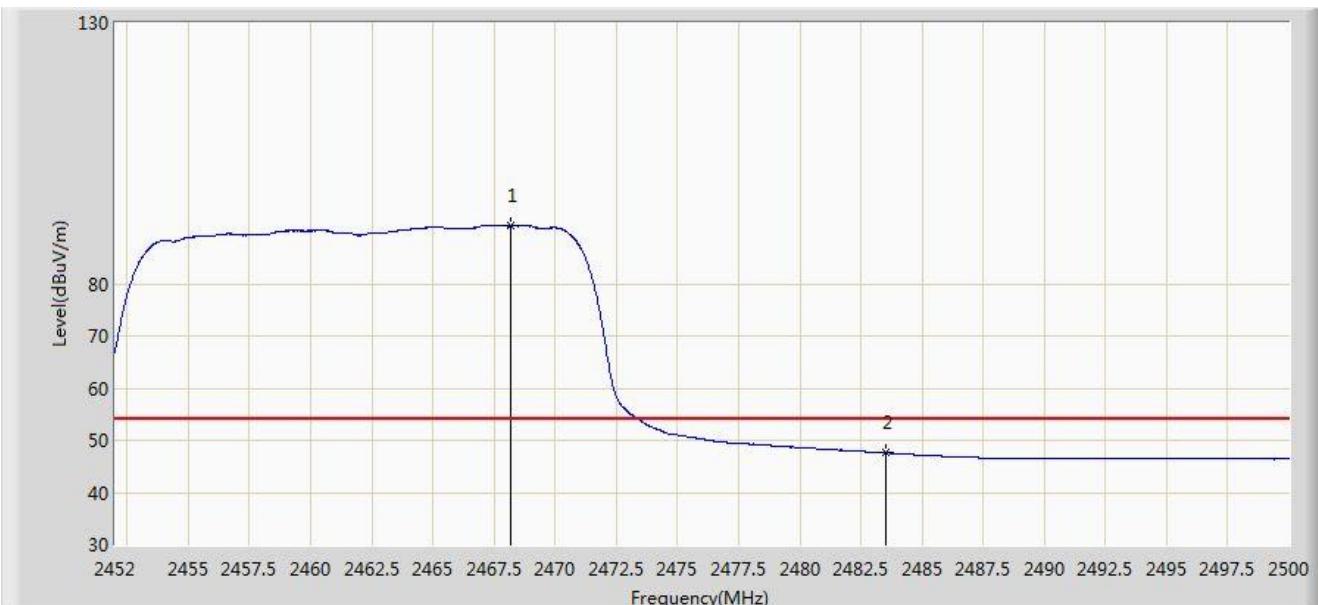


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-------------|----------------|-------------|------|
| 1 | | * | 2465.992 | 102.547 | 70.203 | N/A | N/A | 32.344 | PK |
| 2 | | | 2483.500 | 61.000 | 28.586 | -13.000 | 74.000 | 32.414 | PK |
| 3 | | | 2484.064 | 62.558 | 30.142 | -11.442 | 74.000 | 32.416 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:00 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 | |

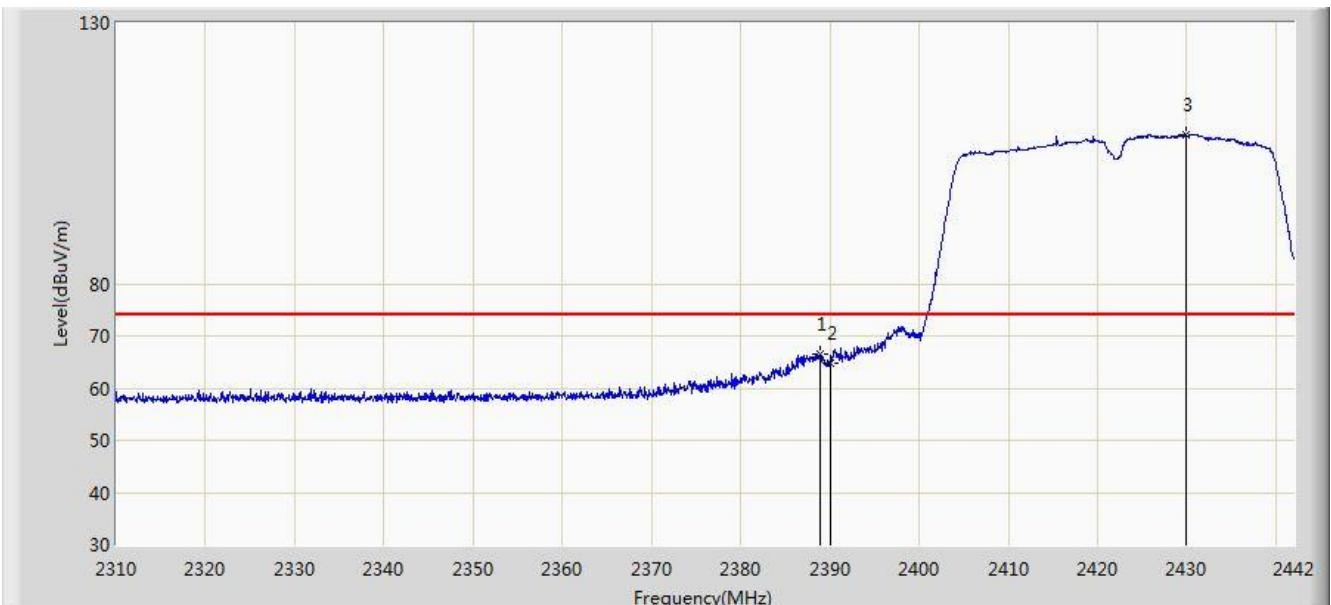


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2468.176 | 91.044 | 58.691 | N/A | N/A | 32.353 | AV |
| 2 | | | 2483.500 | 47.594 | 15.180 | -6.406 | 54.000 | 32.414 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:01 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1 | |

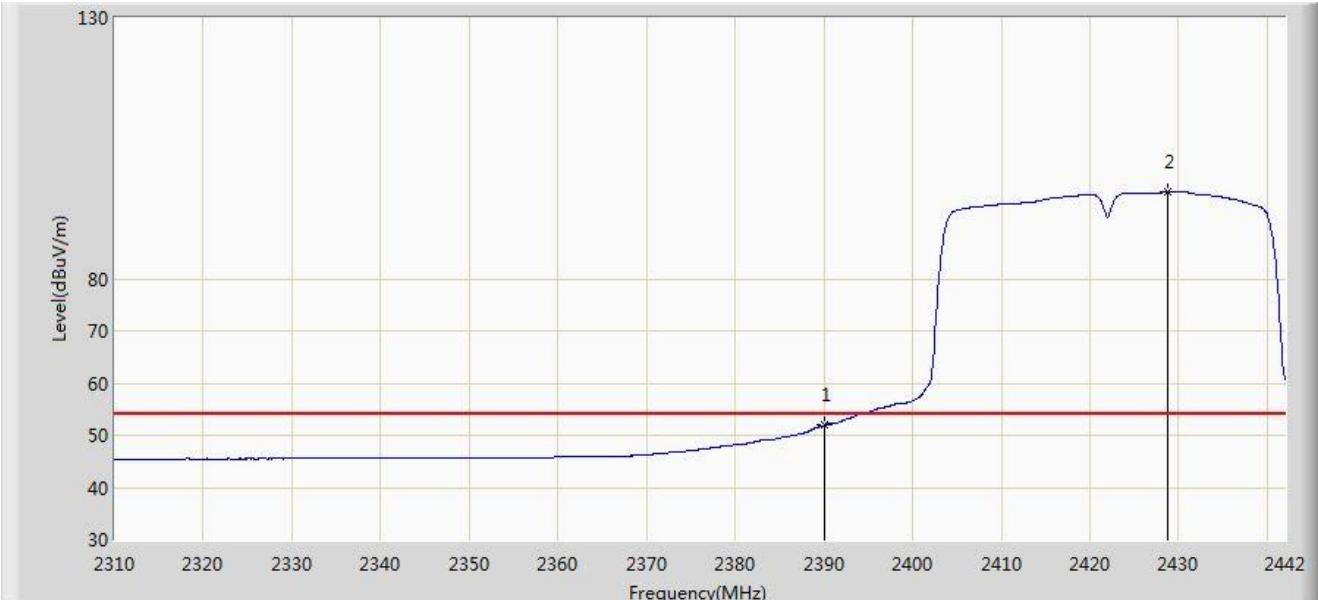


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2388.936 | 66.600 | 34.564 | -7.400 | 74.000 | 32.036 | PK |
| 2 | | | 2390.000 | 64.707 | 32.667 | -9.293 | 74.000 | 32.040 | PK |
| 3 | | * | 2429.922 | 108.456 | 76.257 | N/A | N/A | 32.199 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:02 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1 | |

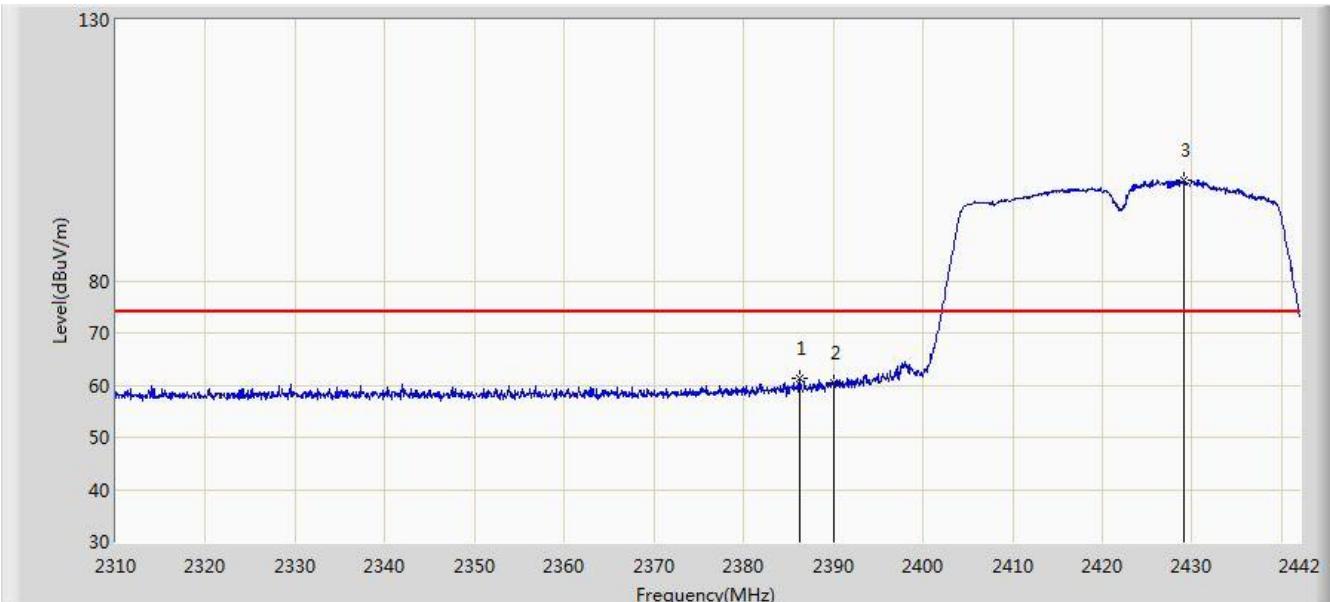


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V/m) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|------------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 51.911 | 19.871 | -2.089 | 54.000 | 32.040 | AV |
| 2 | * | * | 2428.800 | 96.617 | 64.422 | N/A | N/A | 32.195 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:02 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1 | |

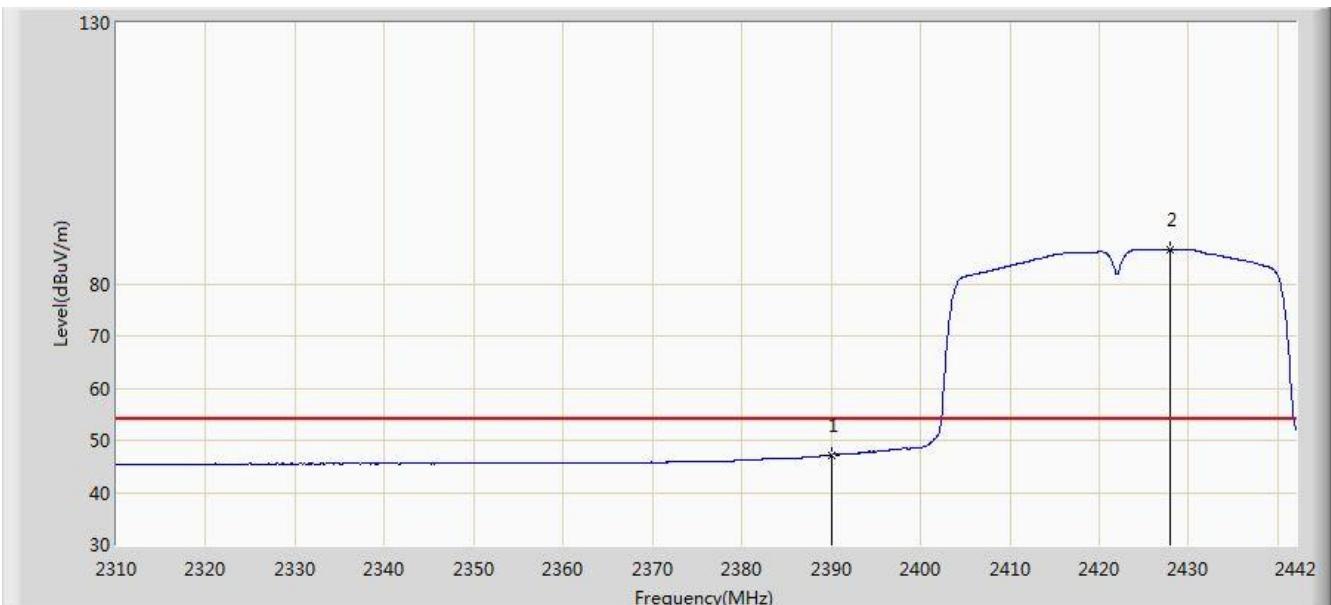


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2386.296 | 61.302 | 29.277 | -12.698 | 74.000 | 32.026 | PK |
| 2 | | | 2390.000 | 60.406 | 28.366 | -13.594 | 74.000 | 32.040 | PK |
| 3 | | * | 2429.130 | 99.150 | 66.954 | N/A | N/A | 32.196 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:03 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1 | |

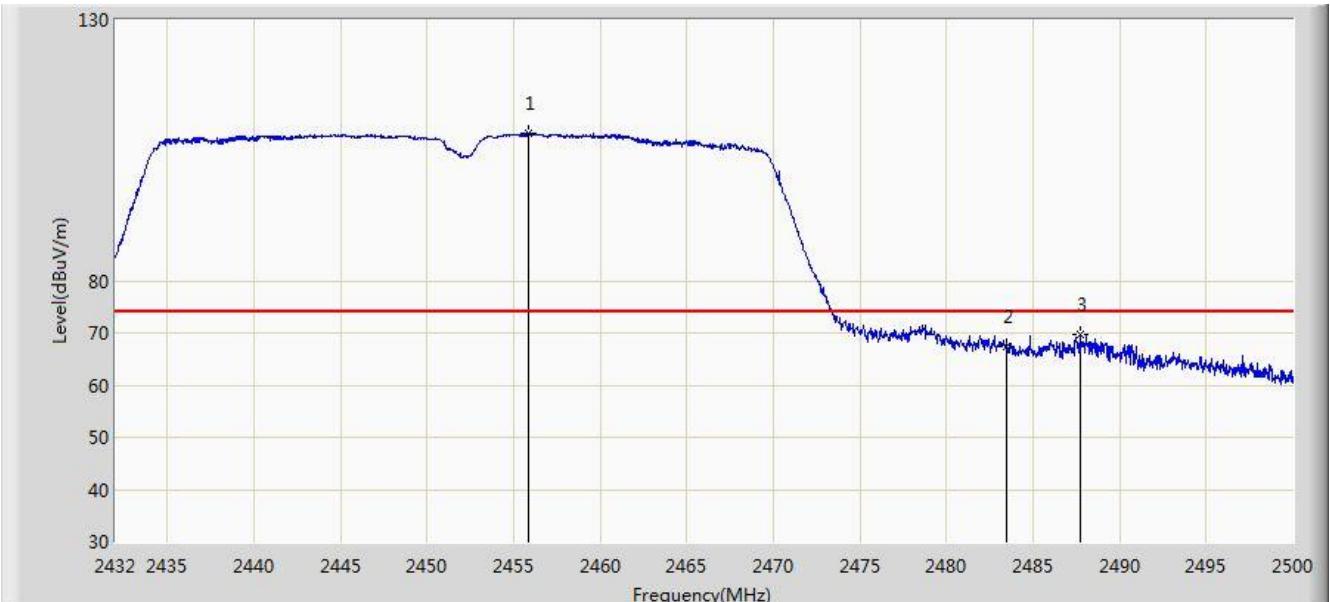


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V/m) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|------------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 47.207 | 15.167 | -6.793 | 54.000 | 32.040 | AV |
| 2 | * | * | 2427.942 | 86.518 | 54.327 | N/A | N/A | 32.191 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:04 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1 | |

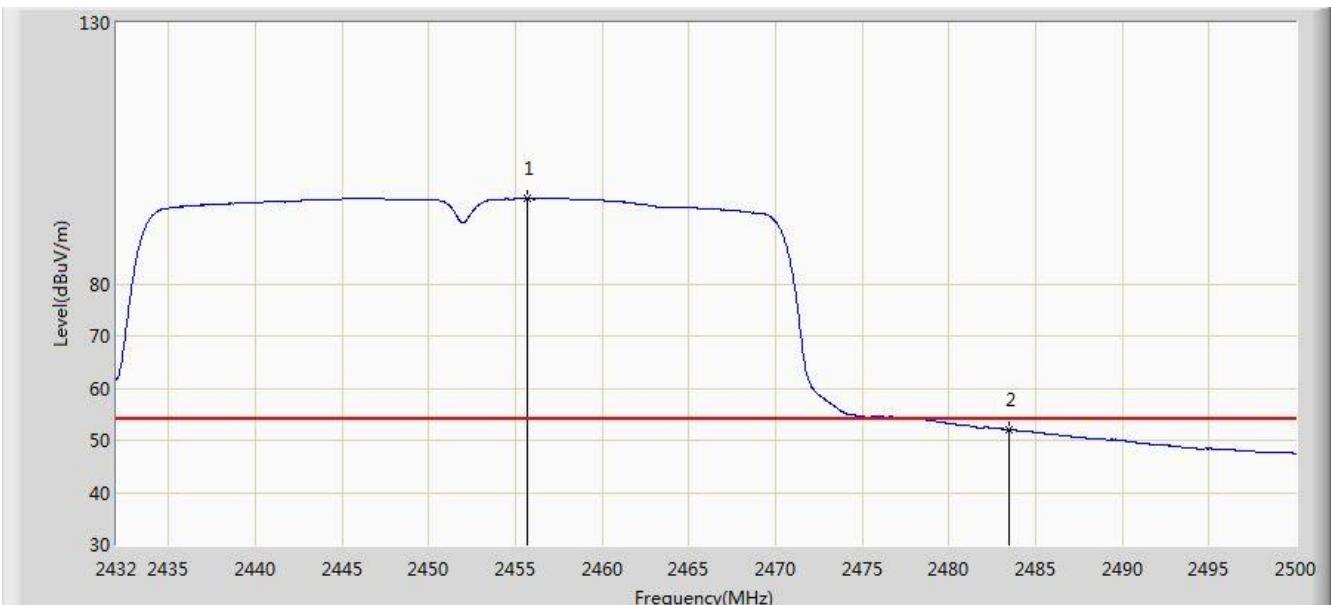


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2455.868 | 108.328 | 76.024 | N/A | N/A | 32.304 | PK |
| 2 | | | 2483.500 | 67.405 | 34.991 | -6.595 | 74.000 | 32.414 | PK |
| 3 | | | 2487.692 | 69.634 | 37.203 | -4.366 | 74.000 | 32.431 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:05 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1 | |

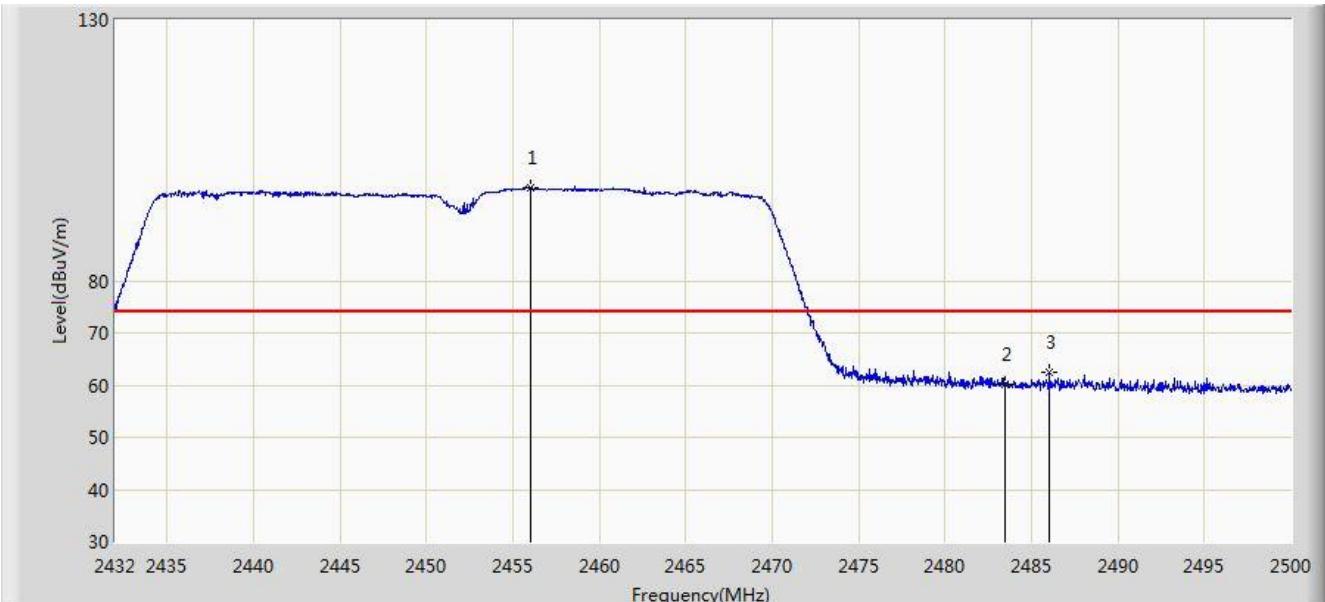


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2455.664 | 96.308 | 64.005 | N/A | N/A | 32.303 | AV |
| 2 | | | 2483.500 | 52.022 | 19.608 | -1.978 | 54.000 | 32.414 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:05 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1 | |

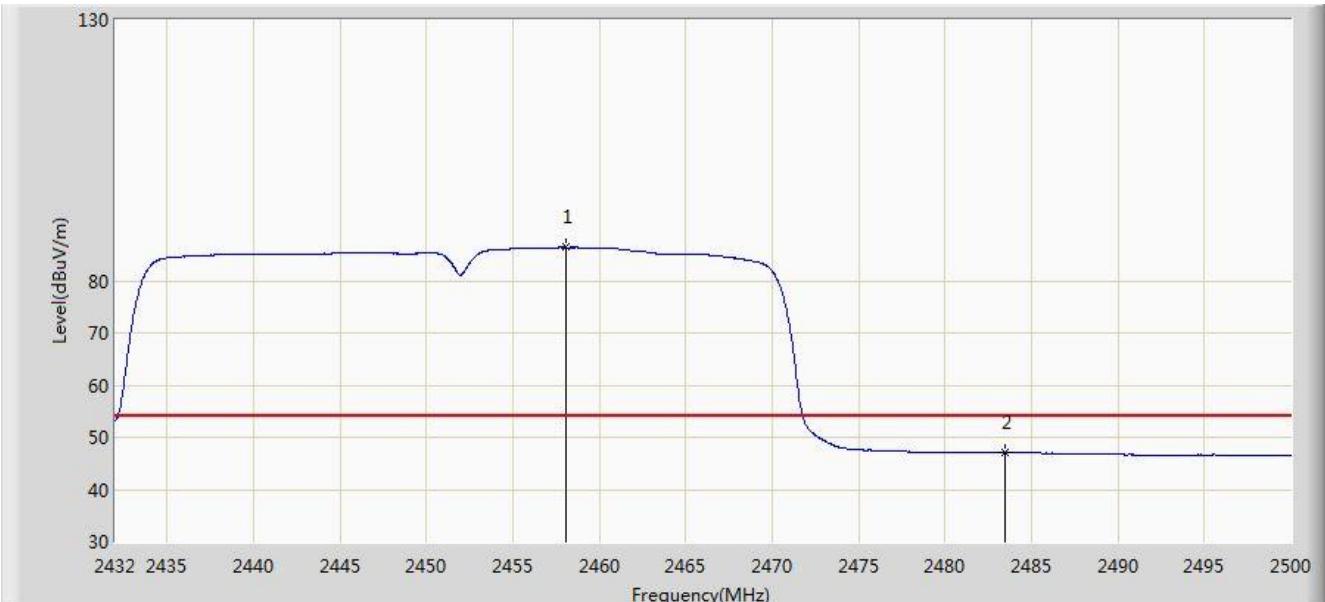


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2456.004 | 97.874 | 65.570 | N/A | N/A | 32.304 | PK |
| 2 | | | 2483.500 | 60.274 | 27.860 | -13.726 | 74.000 | 32.414 | PK |
| 3 | | | 2486.060 | 62.351 | 29.927 | -11.649 | 74.000 | 32.424 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:06 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1 | |

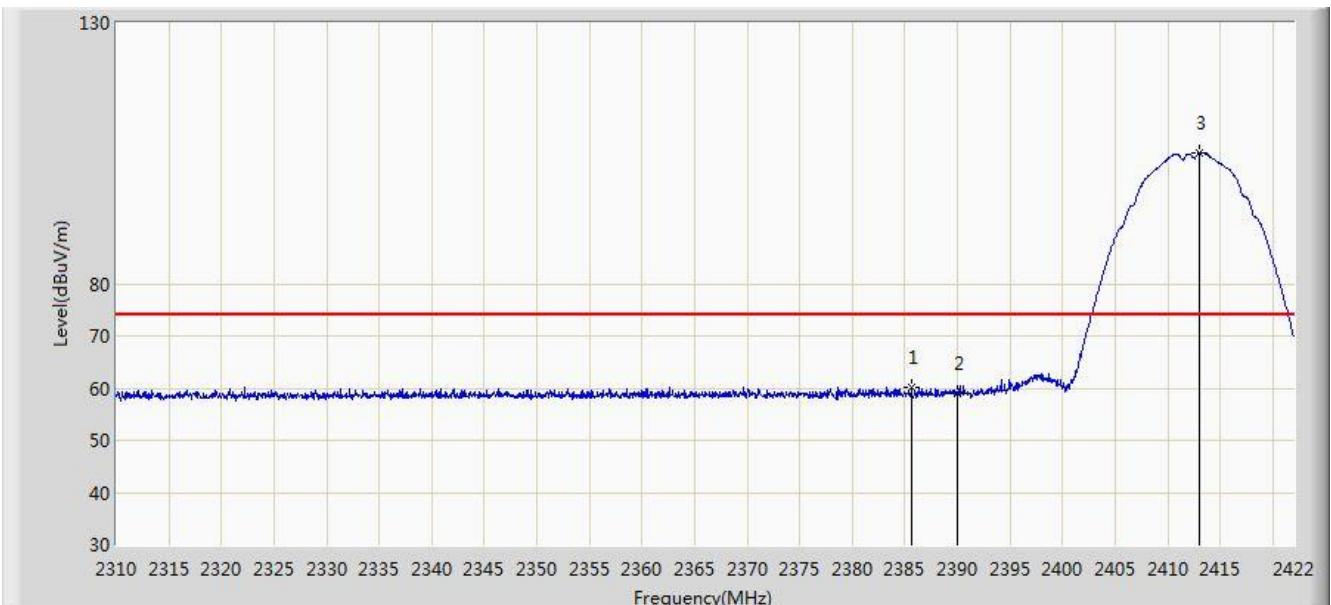


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2458.078 | 86.389 | 54.076 | N/A | N/A | 32.313 | AV |
| 2 | | | 2483.500 | 47.086 | 14.672 | -6.914 | 54.000 | 32.414 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:07 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 2 | |

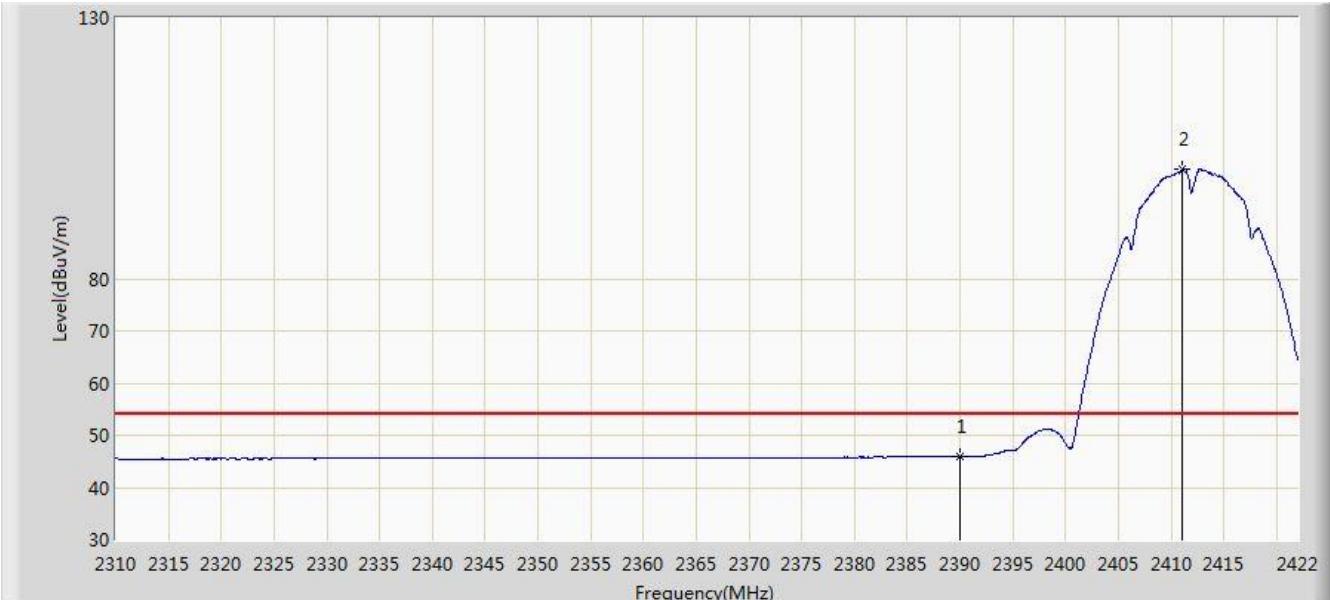


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2385.656 | 60.114 | 28.091 | -13.886 | 74.000 | 32.023 | PK |
| 2 | | | 2390.000 | 59.125 | 27.085 | -14.875 | 74.000 | 32.040 | PK |
| 3 | | * | 2413.040 | 105.042 | 72.910 | N/A | N/A | 32.132 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:09 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 2 | |

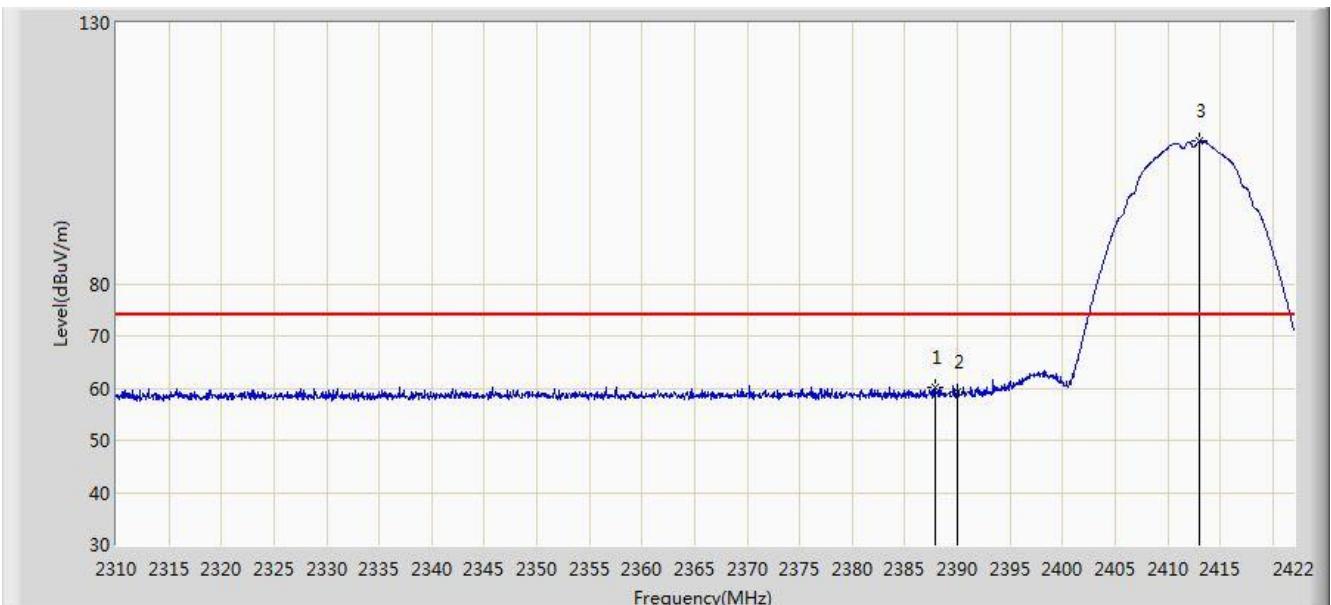


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 45.917 | 13.877 | -8.083 | 54.000 | 32.040 | AV |
| 2 | * | * | 2411.080 | 100.993 | 68.869 | N/A | N/A | 32.124 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:10 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 2 | |

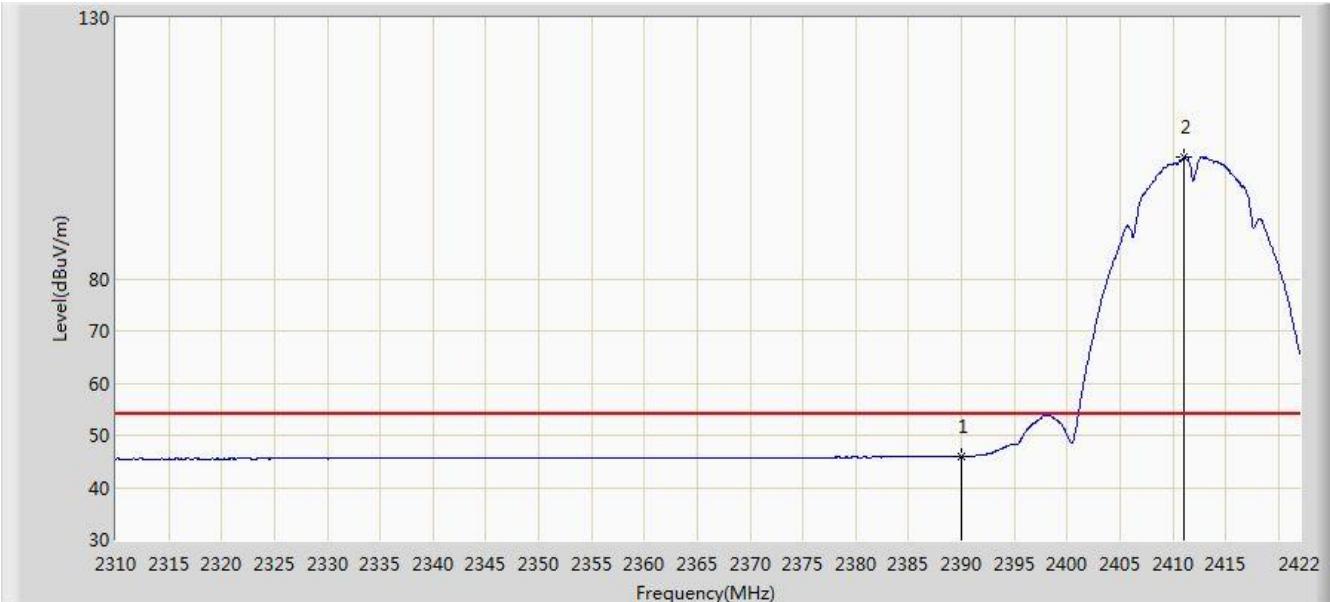


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2387.896 | 60.155 | 28.123 | -13.845 | 74.000 | 32.032 | PK |
| 2 | | | 2390.000 | 59.233 | 27.193 | -14.767 | 74.000 | 32.040 | PK |
| 3 | | * | 2413.040 | 107.271 | 75.139 | N/A | N/A | 32.132 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:11 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 2 | |

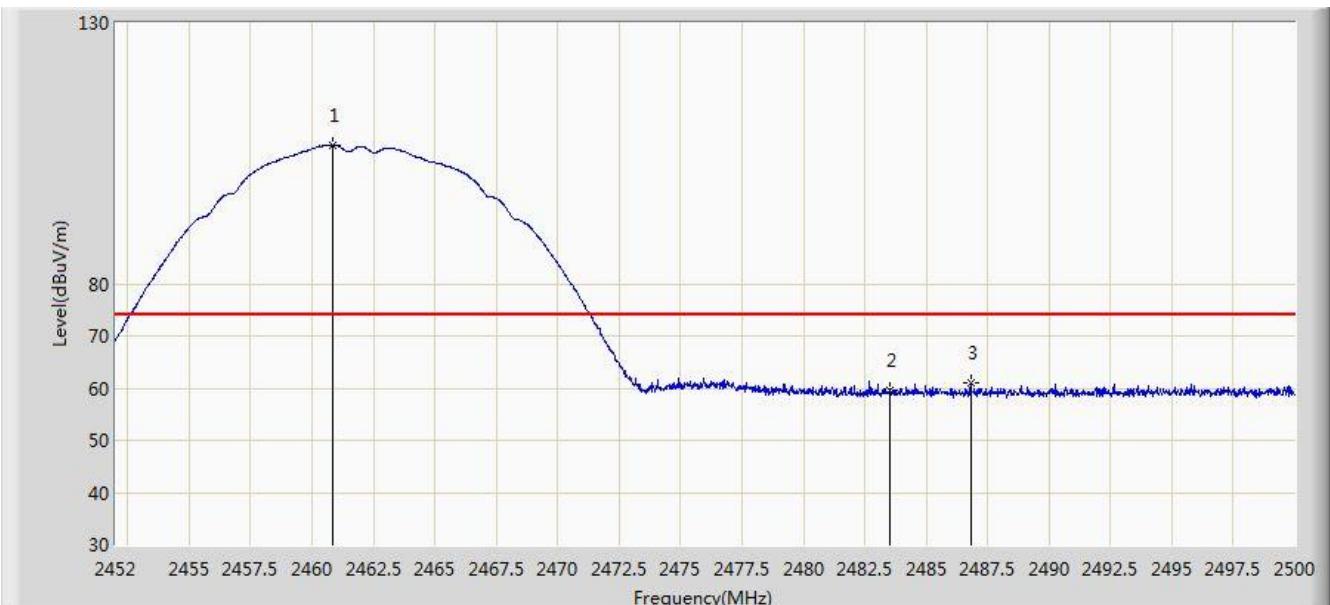


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 45.997 | 13.957 | -8.003 | 54.000 | 32.040 | AV |
| 2 | * | * | 2411.024 | 103.205 | 71.081 | N/A | N/A | 32.124 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:12 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 2 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-------------|----------------|-------------|------|
| 1 | | * | 2460.856 | 106.567 | 74.243 | N/A | N/A | 32.324 | PK |
| 2 | | | 2483.500 | 59.453 | 27.039 | -14.547 | 74.000 | 32.414 | PK |
| 3 | | | 2486.800 | 61.011 | 28.584 | -12.989 | 74.000 | 32.427 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:13 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 2 | |

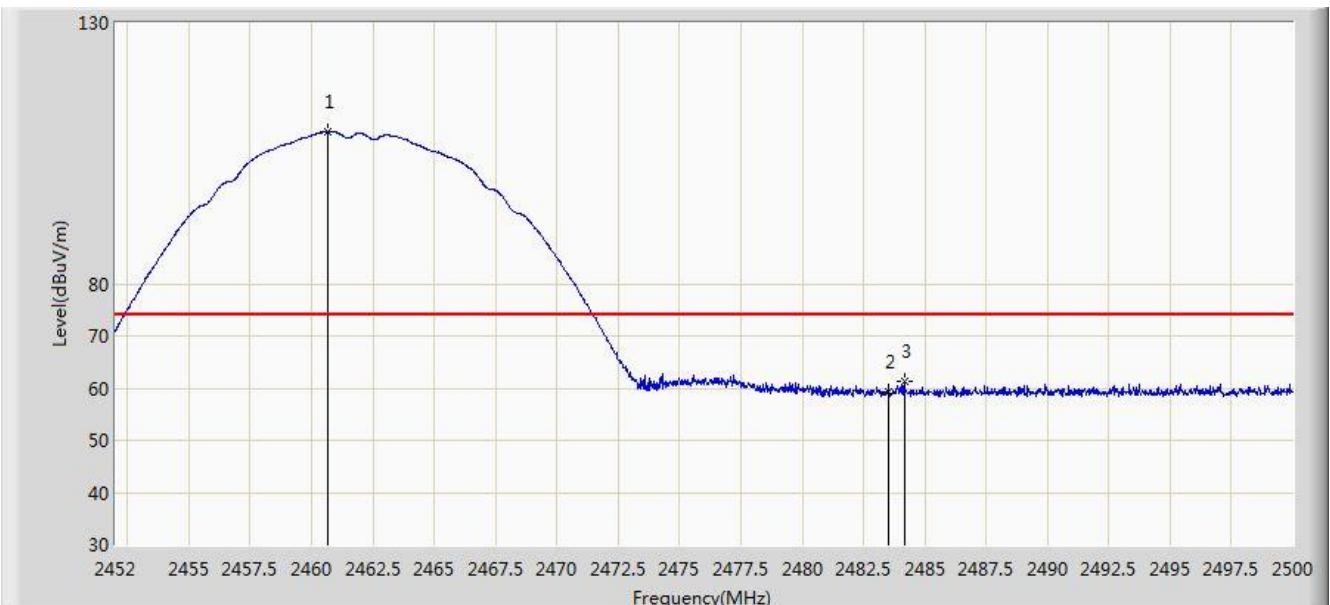


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2461.096 | 102.535 | 70.210 | N/A | N/A | 32.324 | AV |
| 2 | | | 2483.500 | 46.444 | 14.030 | -7.556 | 54.000 | 32.414 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:14 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 2 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-------------|----------------|-------------|------|
| 1 | | * | 2460.640 | 109.111 | 76.788 | N/A | N/A | 32.323 | PK |
| 2 | | | 2483.500 | 59.302 | 26.888 | -14.698 | 74.000 | 32.414 | PK |
| 3 | | | 2484.160 | 61.417 | 29.000 | -12.583 | 74.000 | 32.417 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:15 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 2 | |

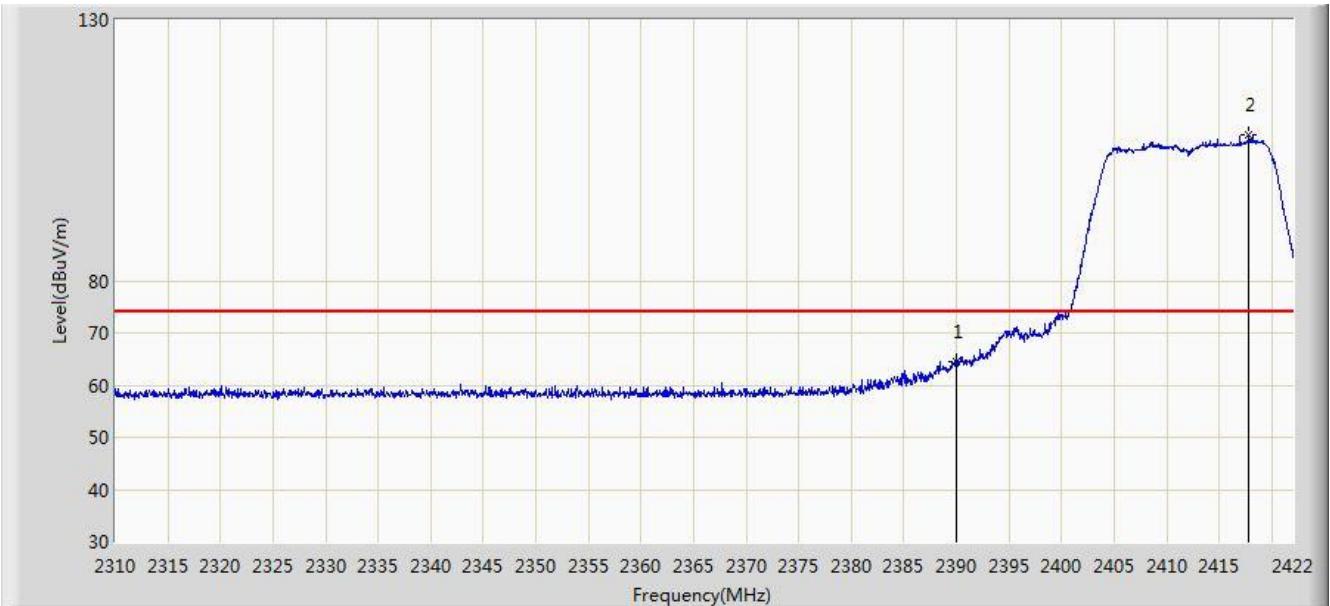


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2461.264 | 105.634 | 73.309 | N/A | N/A | 32.325 | AV |
| 2 | | | 2483.500 | 46.554 | 14.140 | -7.446 | 54.000 | 32.414 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:24 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 2 | |

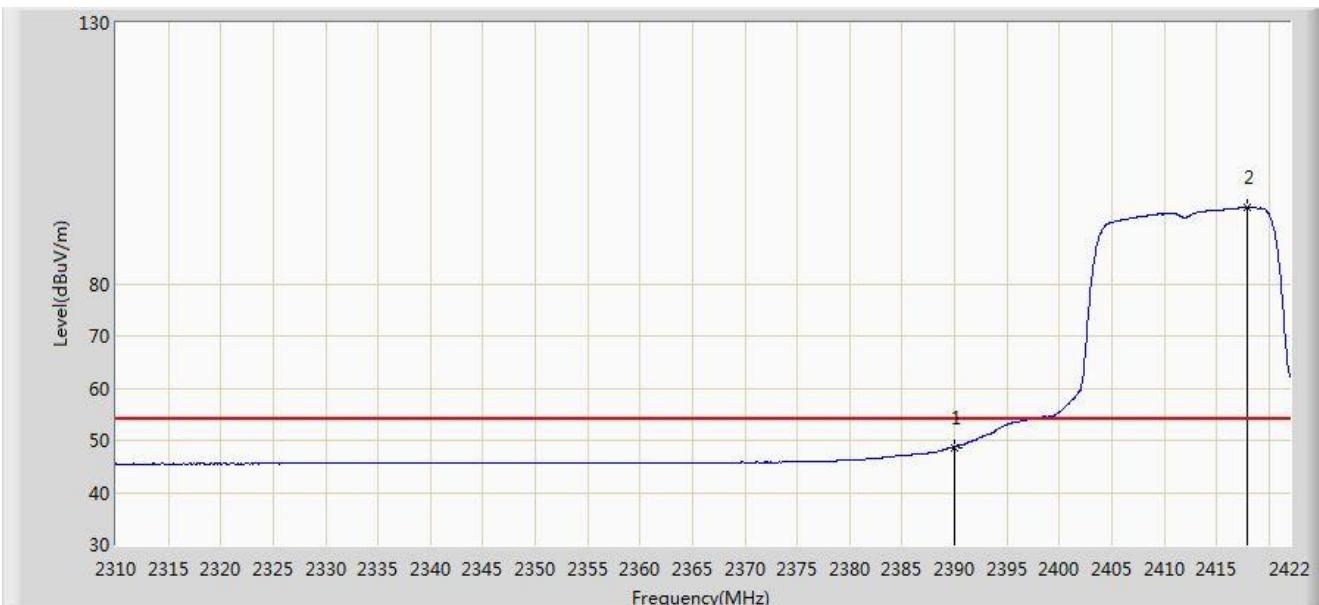


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 64.543 | 32.503 | -9.457 | 74.000 | 32.040 | PK |
| 2 | * | * | 2417.800 | 107.870 | 75.719 | N/A | N/A | 32.151 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:24 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 2 | |

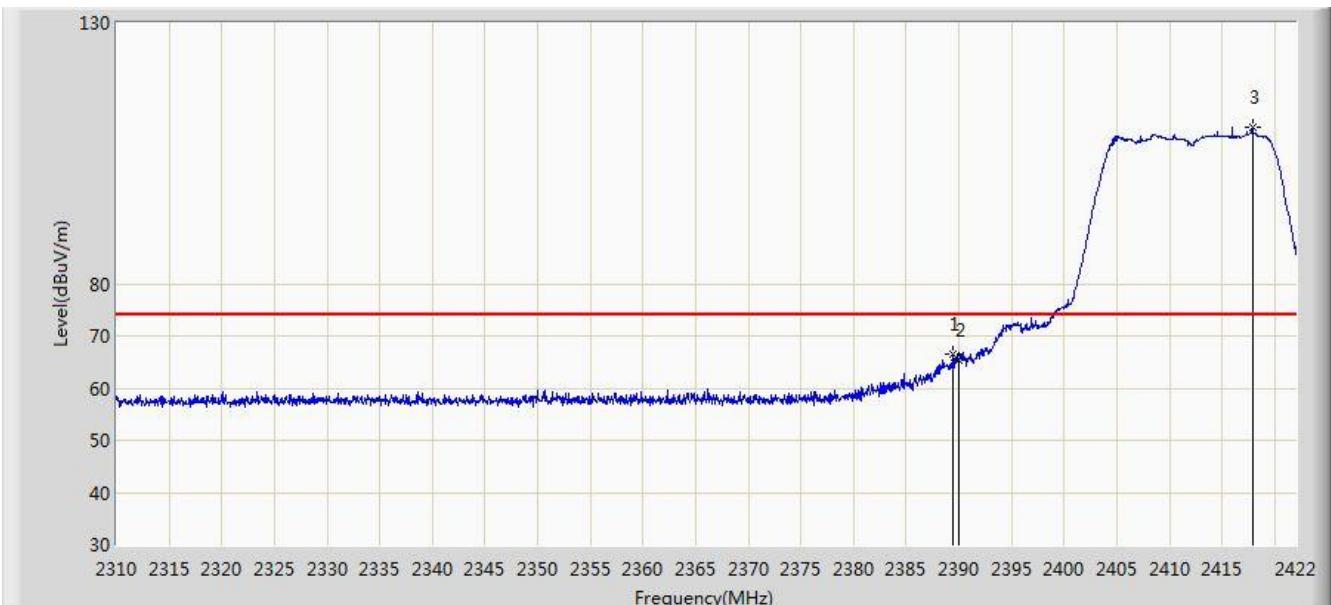


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 48.680 | 16.640 | -5.320 | 54.000 | 32.040 | AV |
| 2 | * | * | 2417.912 | 94.592 | 62.441 | N/A | N/A | 32.151 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:24 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 2 | |

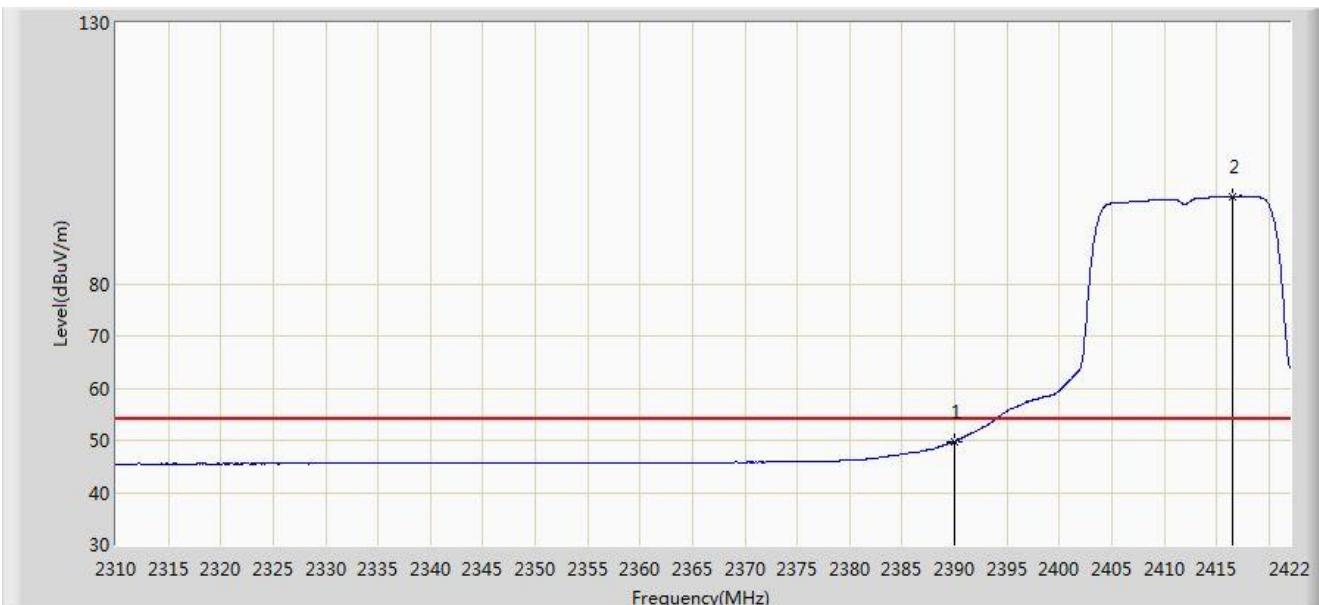


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2389.464 | 66.500 | 34.462 | -7.500 | 74.000 | 32.037 | PK |
| 2 | | | 2390.000 | 65.473 | 33.433 | -8.527 | 74.000 | 32.040 | PK |
| 3 | | * | 2417.912 | 110.094 | 77.943 | N/A | N/A | 32.151 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:25 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 2 | |

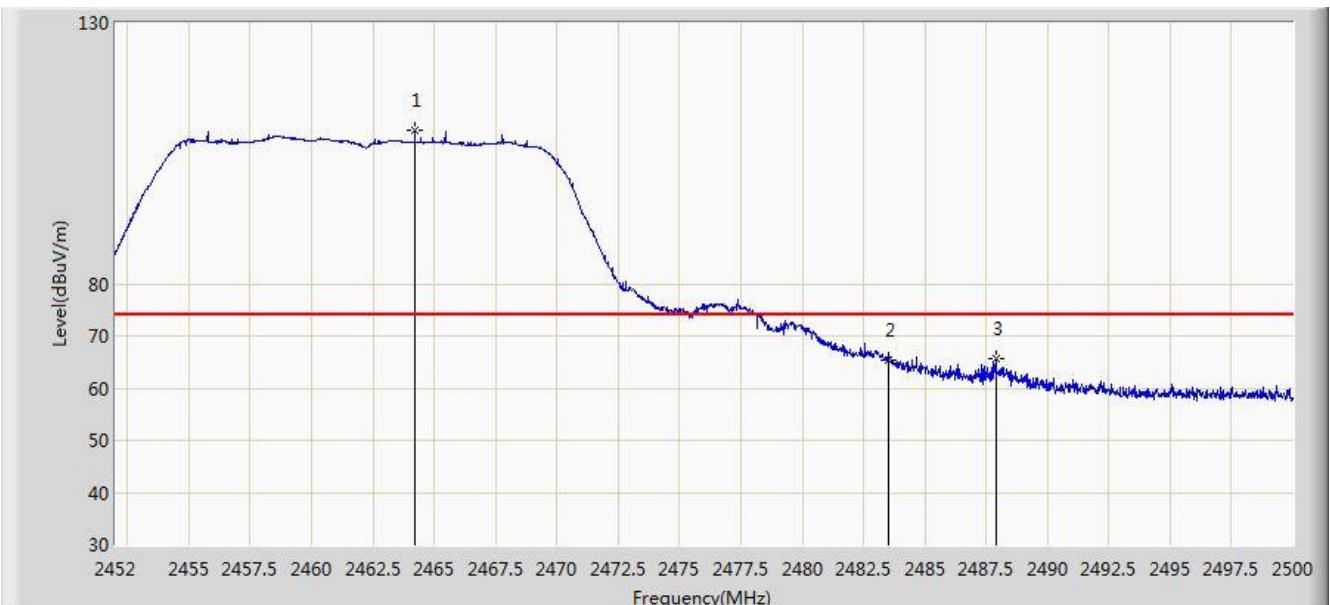


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 49.819 | 17.779 | -4.181 | 54.000 | 32.040 | AV |
| 2 | * | * | 2416.568 | 96.792 | 64.646 | N/A | N/A | 32.146 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:27 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 2 | |

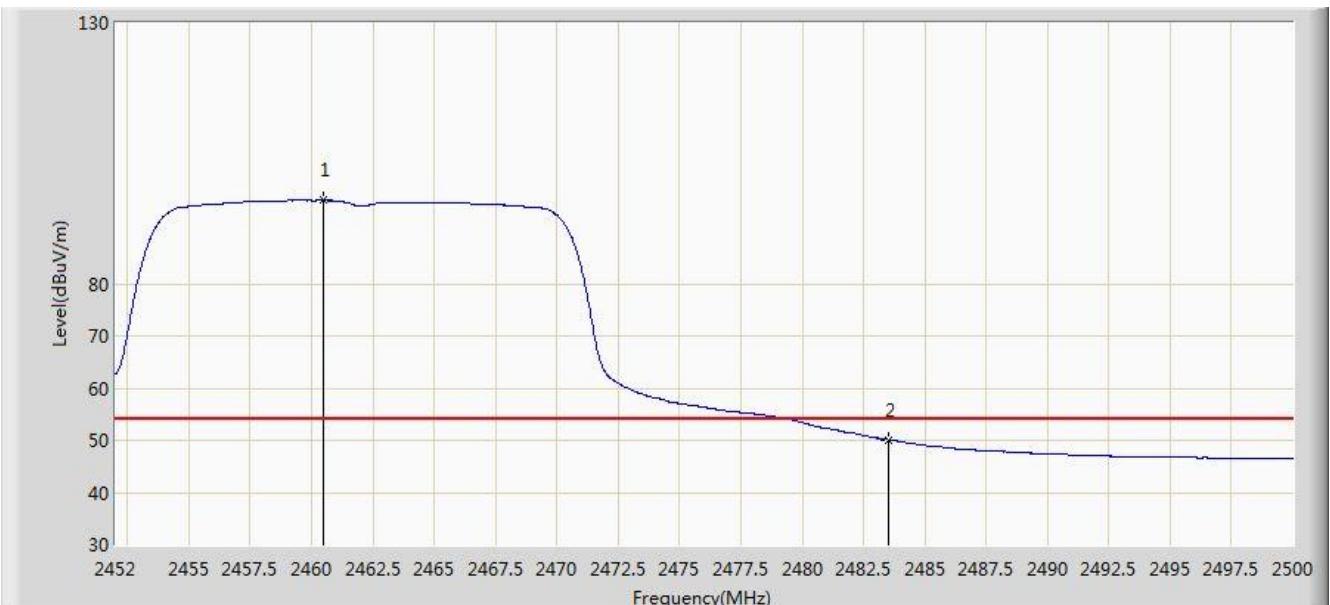


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-------------|----------------|-------------|------|
| 1 | | * | 2464.216 | 109.378 | 77.041 | N/A | N/A | 32.337 | PK |
| 2 | | | 2483.500 | 65.492 | 33.078 | -8.508 | 74.000 | 32.414 | PK |
| 3 | | | 2487.880 | 65.682 | 33.250 | -8.318 | 74.000 | 32.432 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:27 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 2 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2460.496 | 95.996 | 63.674 | N/A | N/A | 32.323 | AV |
| 2 | | | 2483.500 | 50.129 | 17.715 | -3.871 | 54.000 | 32.414 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:28 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 2 | |

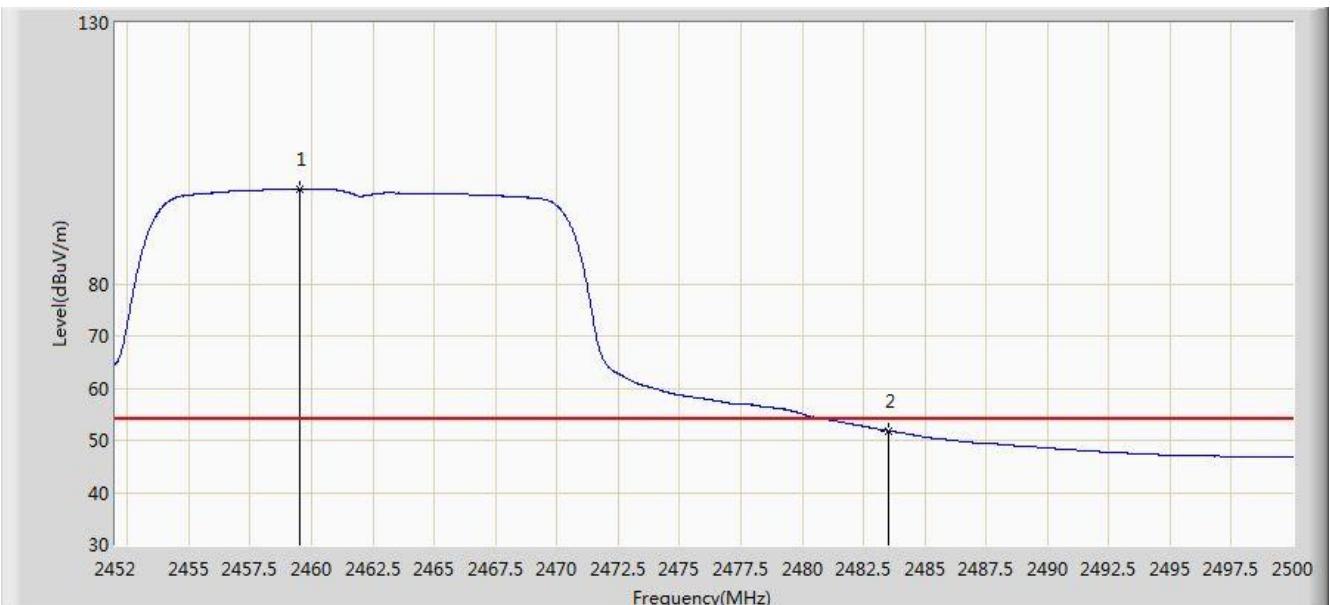


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-------------|----------------|-------------|------|
| 1 | | * | 2461.120 | 110.780 | 78.455 | N/A | N/A | 32.325 | PK |
| 2 | | | 2483.500 | 68.059 | 35.645 | -5.941 | 74.000 | 32.414 | PK |
| 3 | | | 2483.728 | 68.652 | 36.237 | -5.348 | 74.000 | 32.415 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:29 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 2 | |

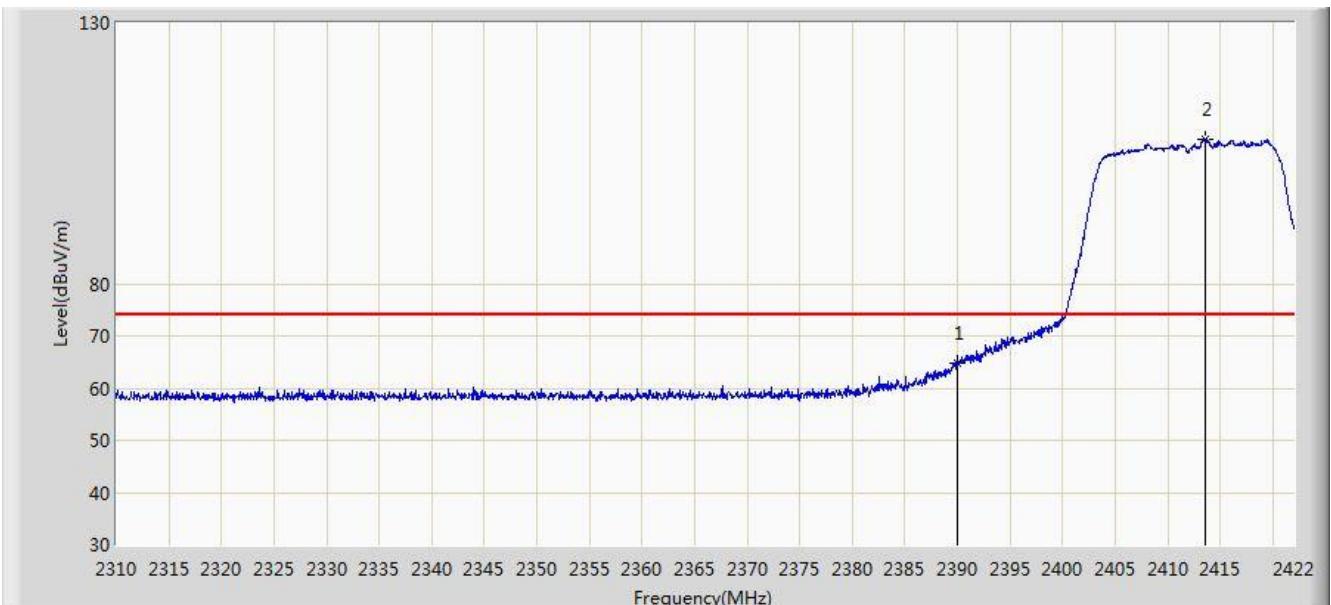


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2459.512 | 98.206 | 65.888 | N/A | N/A | 32.318 | AV |
| 2 | | | 2483.500 | 51.809 | 19.395 | -2.191 | 54.000 | 32.414 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:29 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 2 | |

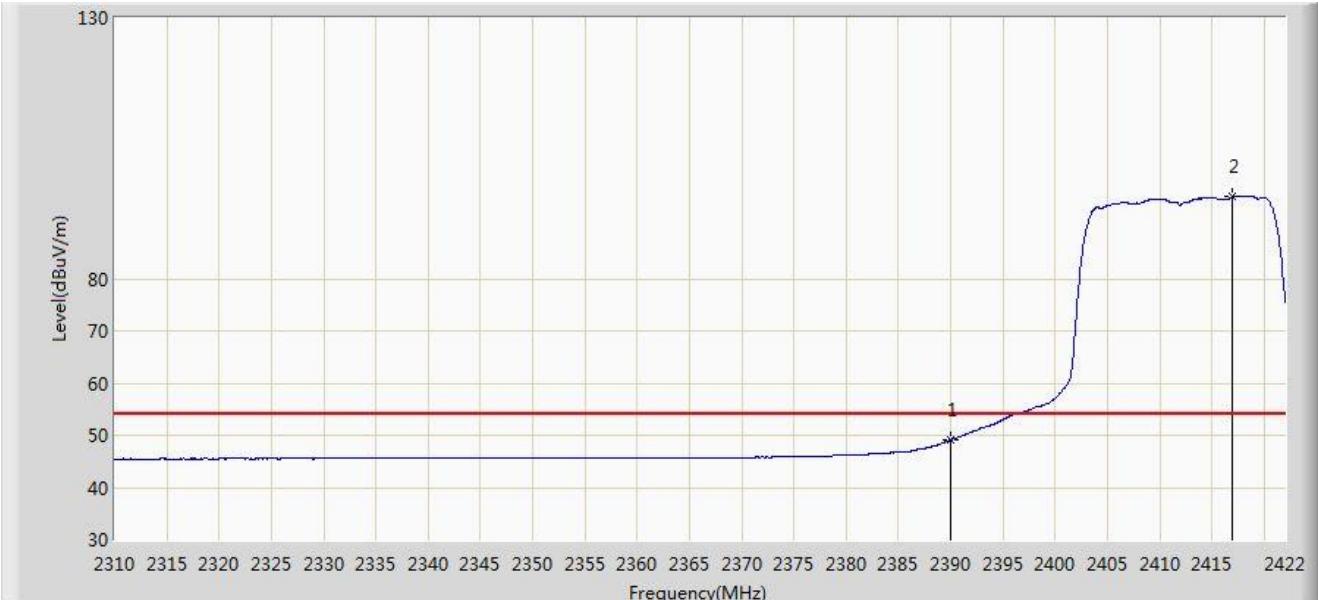


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 64.738 | 32.698 | -9.262 | 74.000 | 32.040 | PK |
| 2 | * | * | 2413.600 | 107.810 | 75.676 | N/A | N/A | 32.134 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:31 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 2 | |

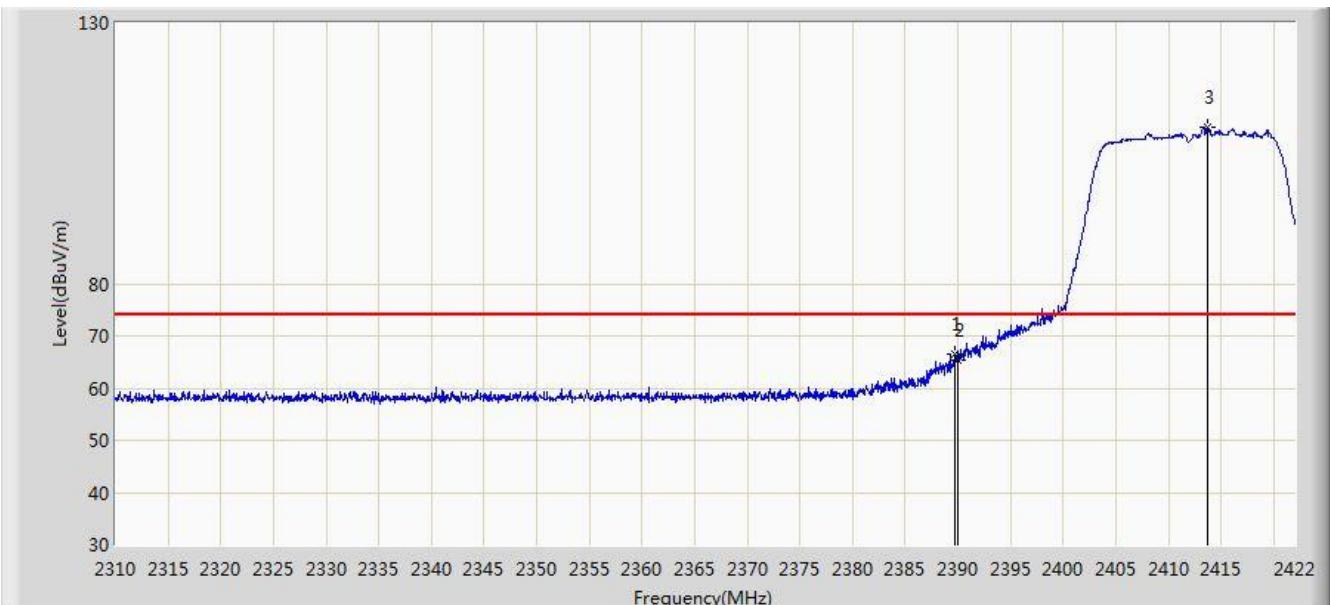


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 49.146 | 17.106 | -4.854 | 54.000 | 32.040 | AV |
| 2 | * | | 2417.016 | 95.732 | 63.584 | N/A | N/A | 32.148 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:31 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 2 | |

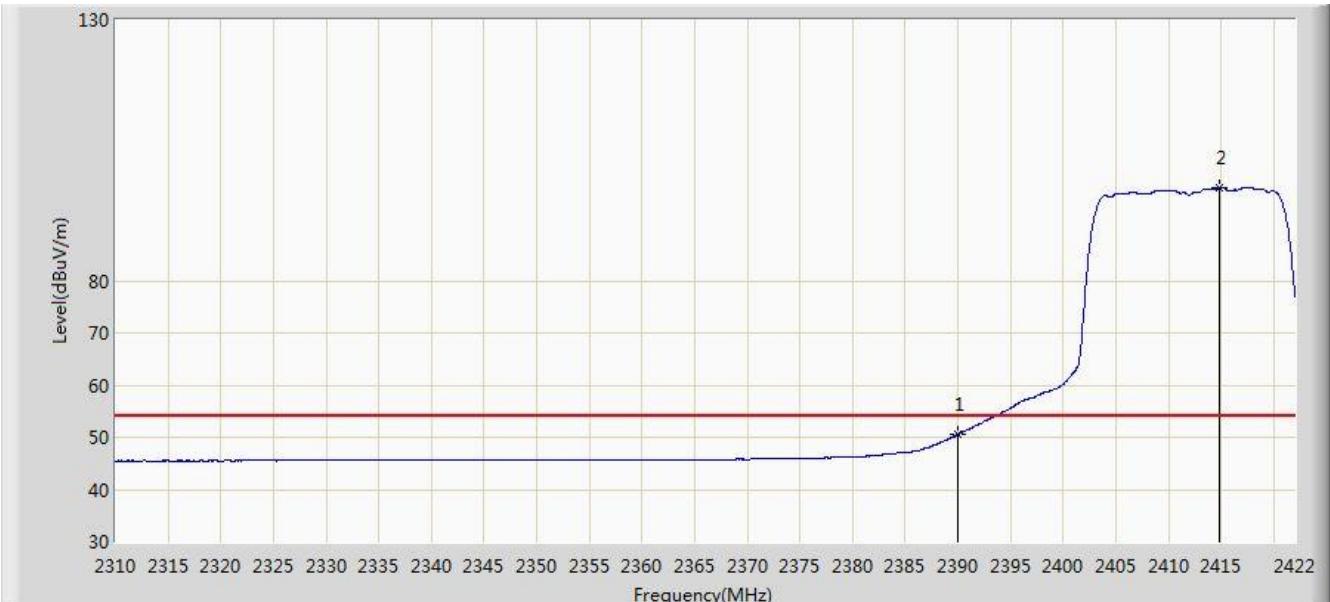


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-------------|----------------|-------------|------|
| 1 | | | 2389.744 | 66.605 | 34.566 | -7.395 | 74.000 | 32.039 | PK |
| 2 | | | 2390.000 | 65.473 | 33.433 | -8.527 | 74.000 | 32.040 | PK |
| 3 | | * | 2413.656 | 109.996 | 77.862 | N/A | N/A | 32.134 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:32 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 2 | |

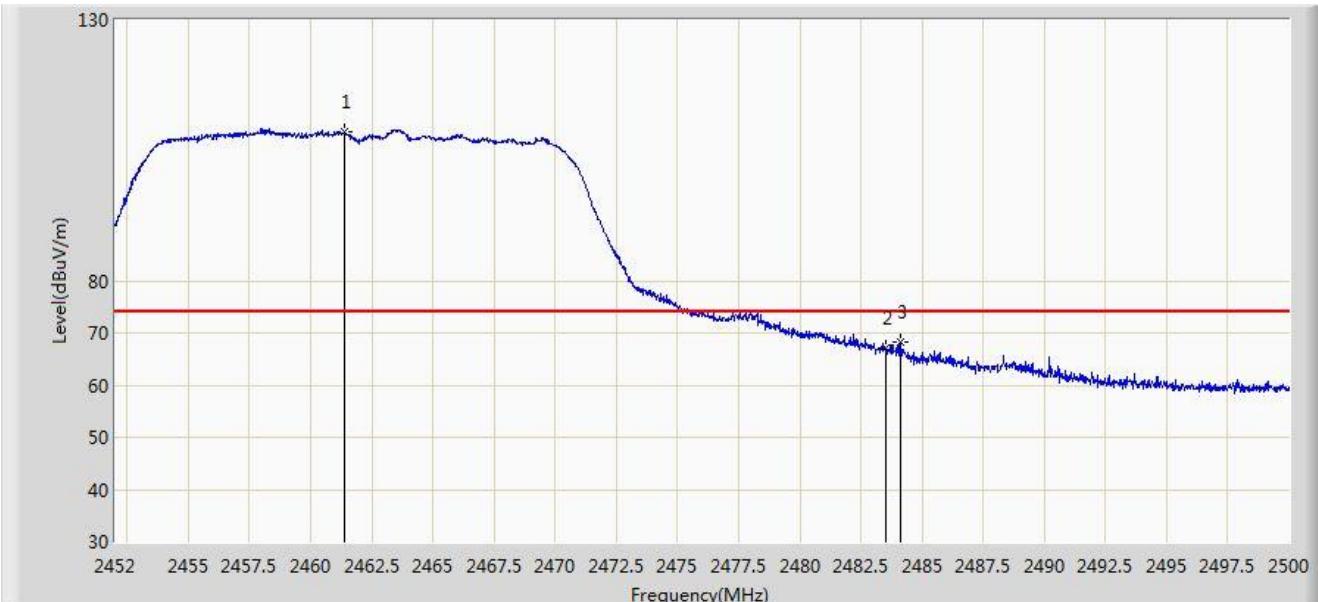


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 50.595 | 18.555 | -3.405 | 54.000 | 32.040 | AV |
| 2 | * | * | 2414.776 | 97.688 | 65.549 | N/A | N/A | 32.138 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:33 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 2 | |

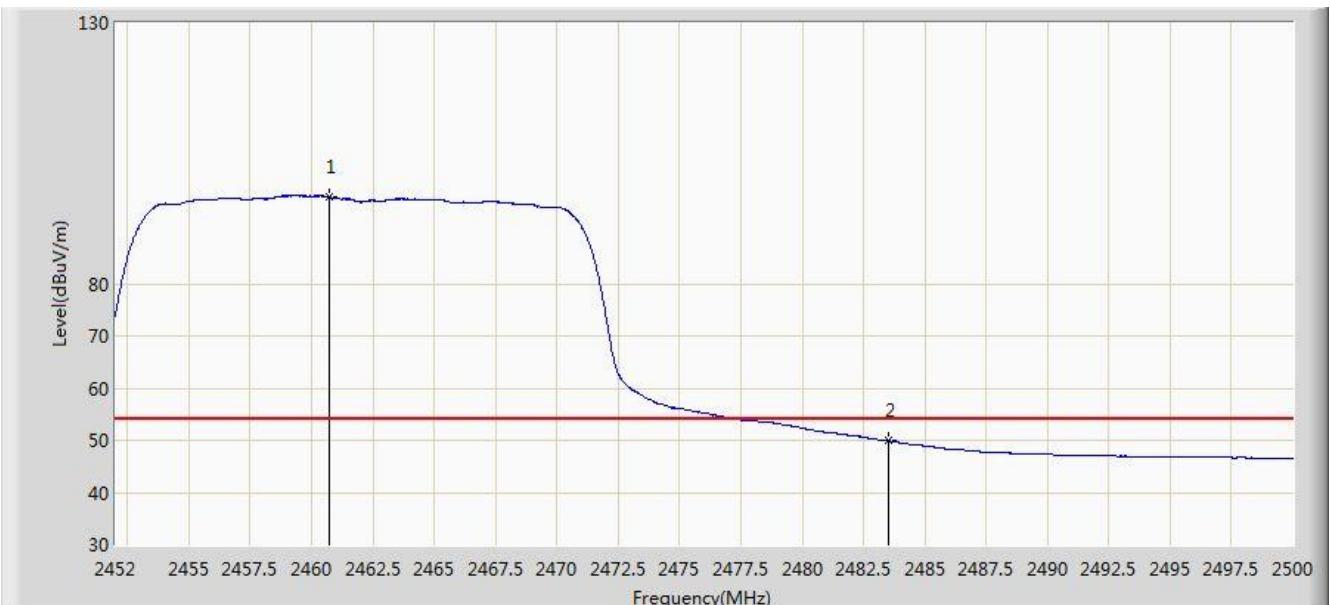


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-------------|----------------|-------------|------|
| 1 | | * | 2461.360 | 108.565 | 76.239 | N/A | N/A | 32.326 | PK |
| 2 | | | 2483.500 | 67.137 | 34.723 | -6.863 | 74.000 | 32.414 | PK |
| 3 | | | 2484.136 | 68.215 | 35.798 | -5.785 | 74.000 | 32.417 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:34 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 2 | |

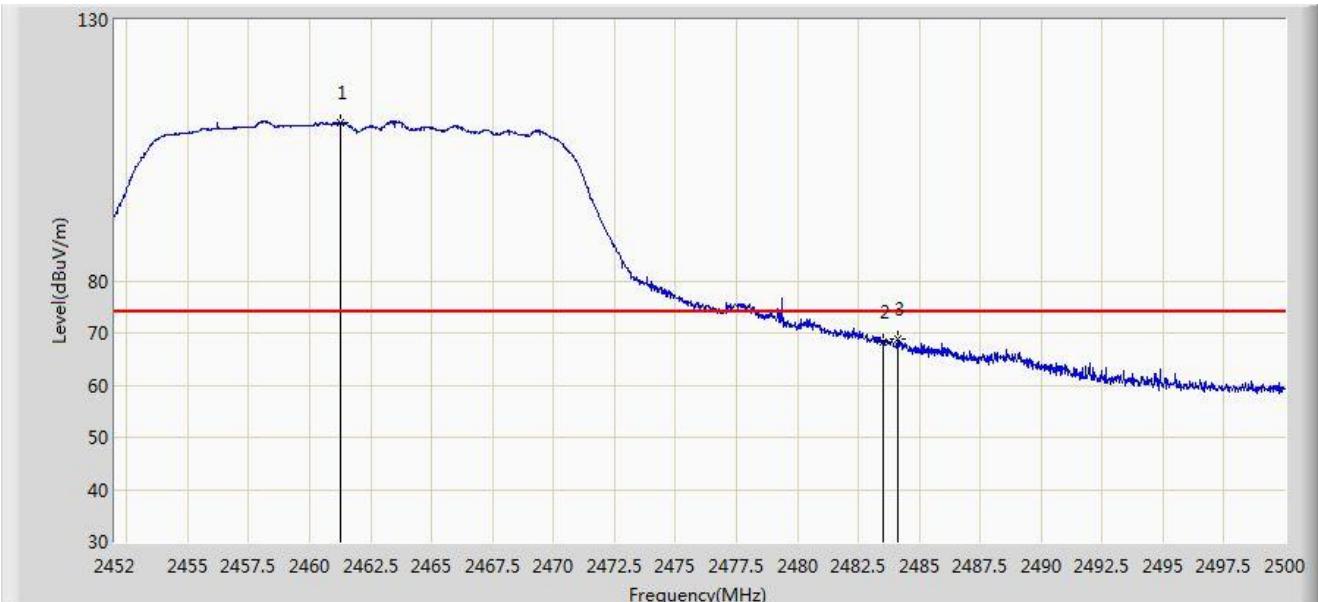


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2460.712 | 96.643 | 64.320 | N/A | N/A | 32.323 | AV |
| 2 | | | 2483.500 | 49.907 | 17.493 | -4.093 | 54.000 | 32.414 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:34 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 2 | |

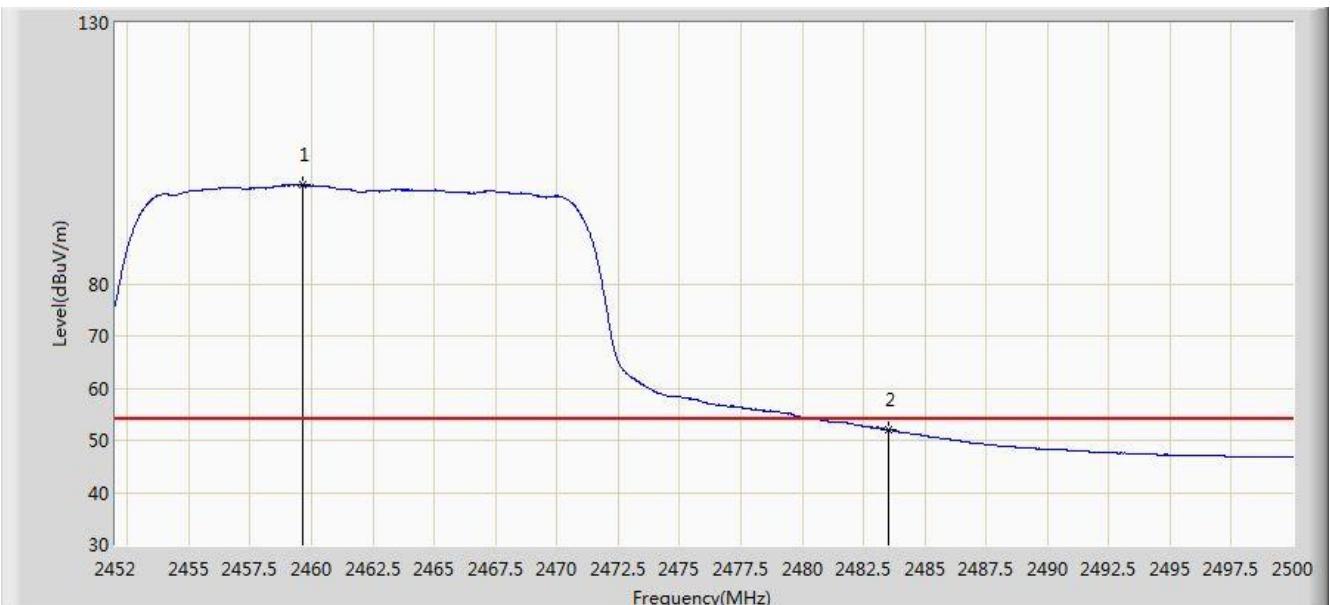


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-------------|----------------|-------------|------|
| 1 | | * | 2461.240 | 110.379 | 78.054 | N/A | N/A | 32.325 | PK |
| 2 | | | 2483.500 | 68.195 | 35.781 | -5.805 | 74.000 | 32.414 | PK |
| 3 | | | 2484.112 | 68.734 | 36.317 | -5.266 | 74.000 | 32.416 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:35 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 2 | |

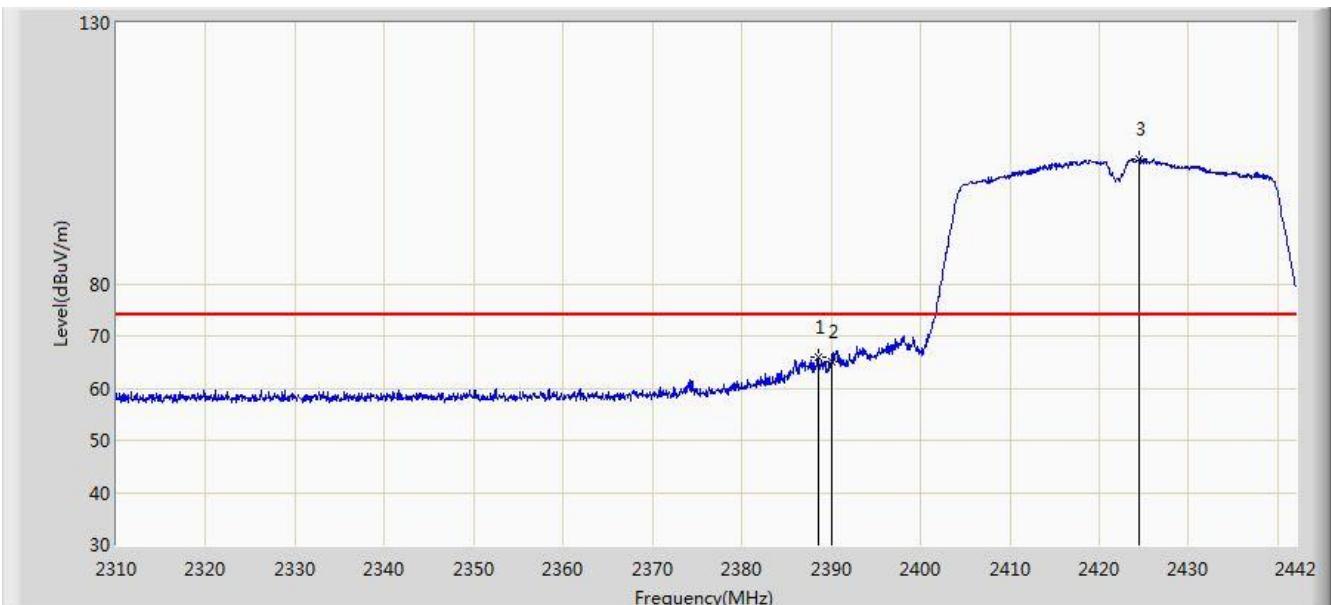


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-------------|----------------|-------------|------|
| 1 | | * | 2459.656 | 98.852 | 66.533 | N/A | N/A | 32.319 | AV |
| 2 | | | 2483.500 | 51.974 | 19.560 | -2.026 | 54.000 | 32.414 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:36 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 2 | |

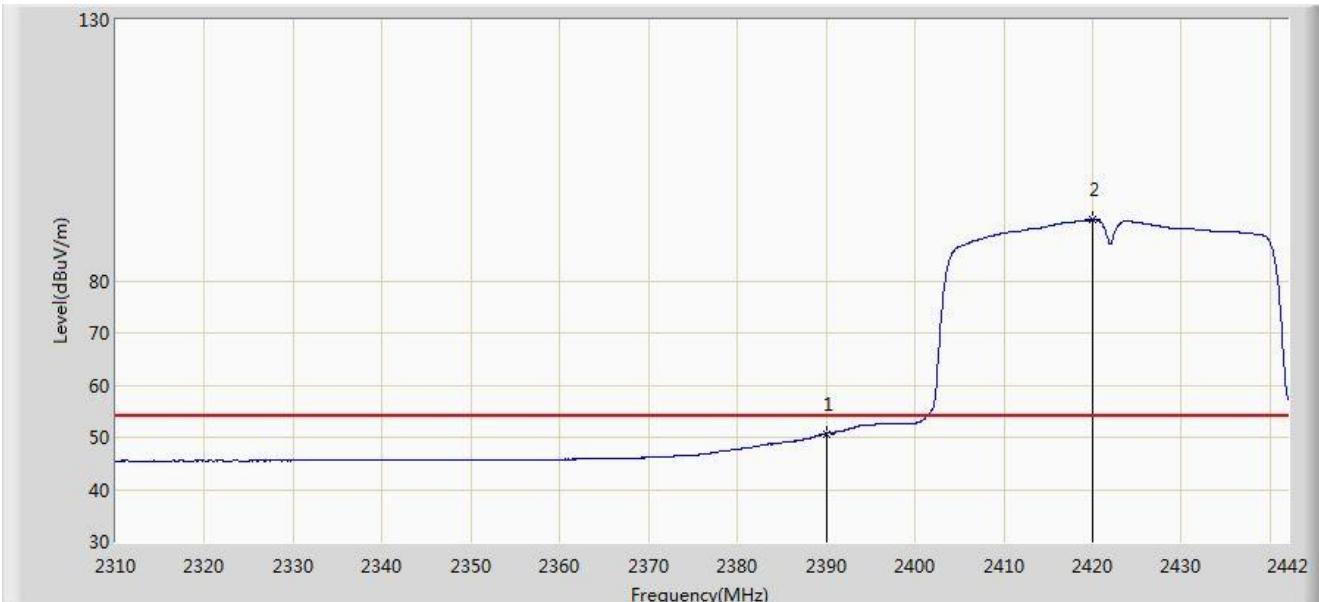


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2388.606 | 65.883 | 33.849 | -8.117 | 74.000 | 32.034 | PK |
| 2 | | | 2390.000 | 65.148 | 33.108 | -8.852 | 74.000 | 32.040 | PK |
| 3 | | * | 2424.510 | 103.844 | 71.666 | N/A | N/A | 32.177 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:37 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 2 | |

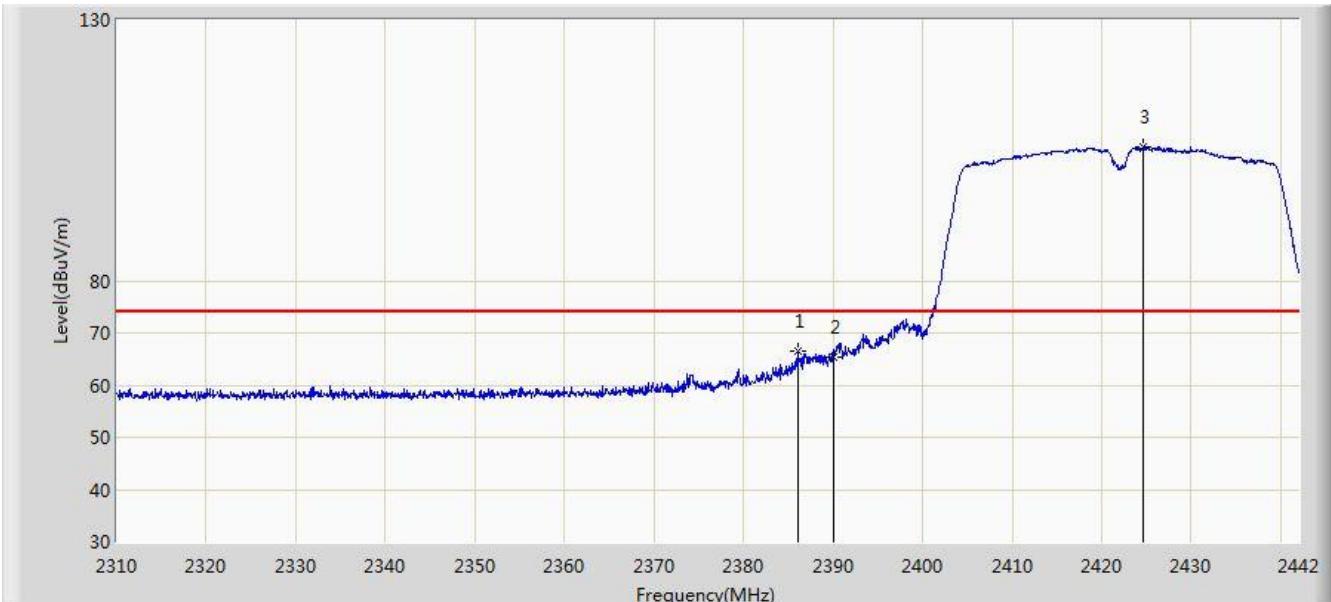


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 50.688 | 18.648 | -3.312 | 54.000 | 32.040 | AV |
| 2 | * | * | 2419.956 | 91.657 | 59.498 | N/A | N/A | 32.160 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:37 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 2 | |

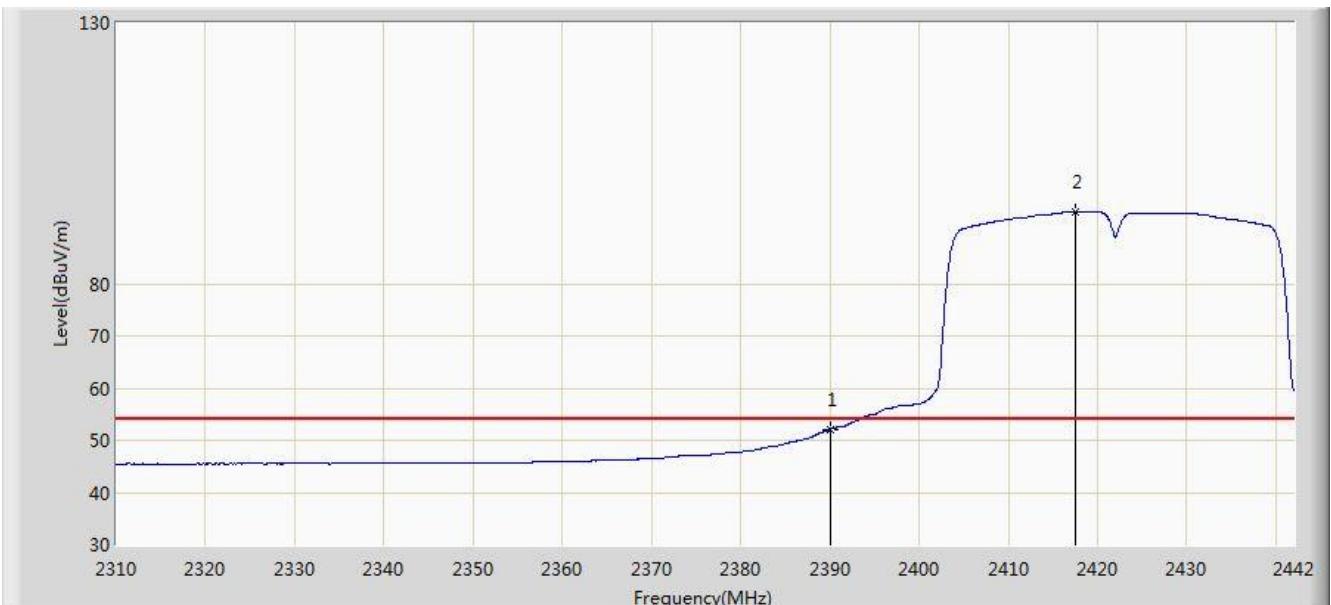


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2386.032 | 66.631 | 34.607 | -7.369 | 74.000 | 32.024 | PK |
| 2 | | | 2390.000 | 65.458 | 33.418 | -8.542 | 74.000 | 32.040 | PK |
| 3 | | * | 2424.576 | 105.652 | 73.474 | N/A | N/A | 32.178 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:38 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 2 | |

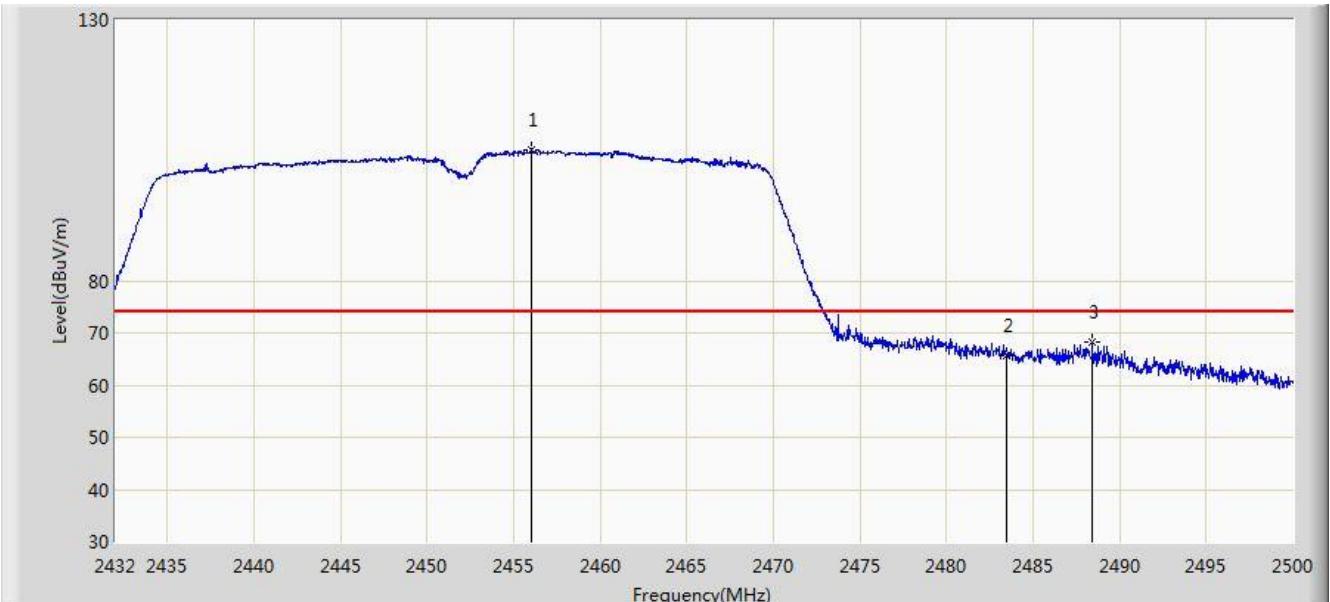


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V/m) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|------------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 52.108 | 20.068 | -1.892 | 54.000 | 32.040 | AV |
| 2 | * | * | 2417.514 | 93.699 | 61.549 | N/A | N/A | 32.150 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:39 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 2 | |

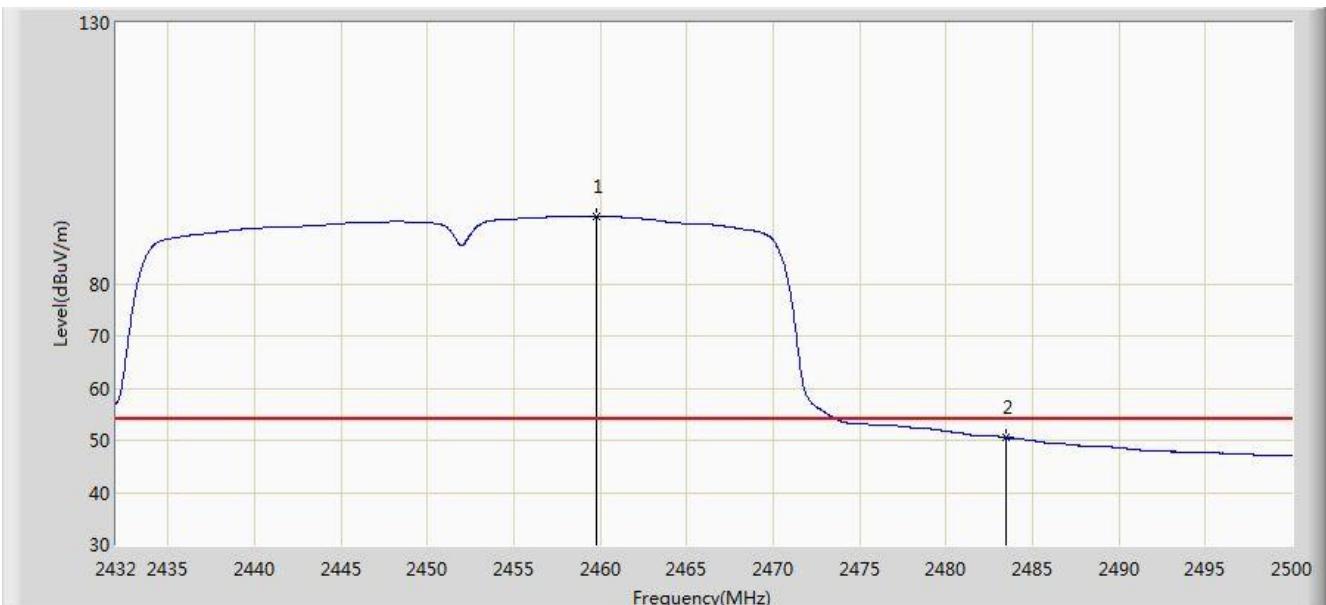


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2456.004 | 105.043 | 72.739 | N/A | N/A | 32.304 | PK |
| 2 | | | 2483.500 | 65.601 | 33.187 | -8.399 | 74.000 | 32.414 | PK |
| 3 | | | 2488.406 | 68.156 | 35.722 | -5.844 | 74.000 | 32.434 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:39 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 2 | |

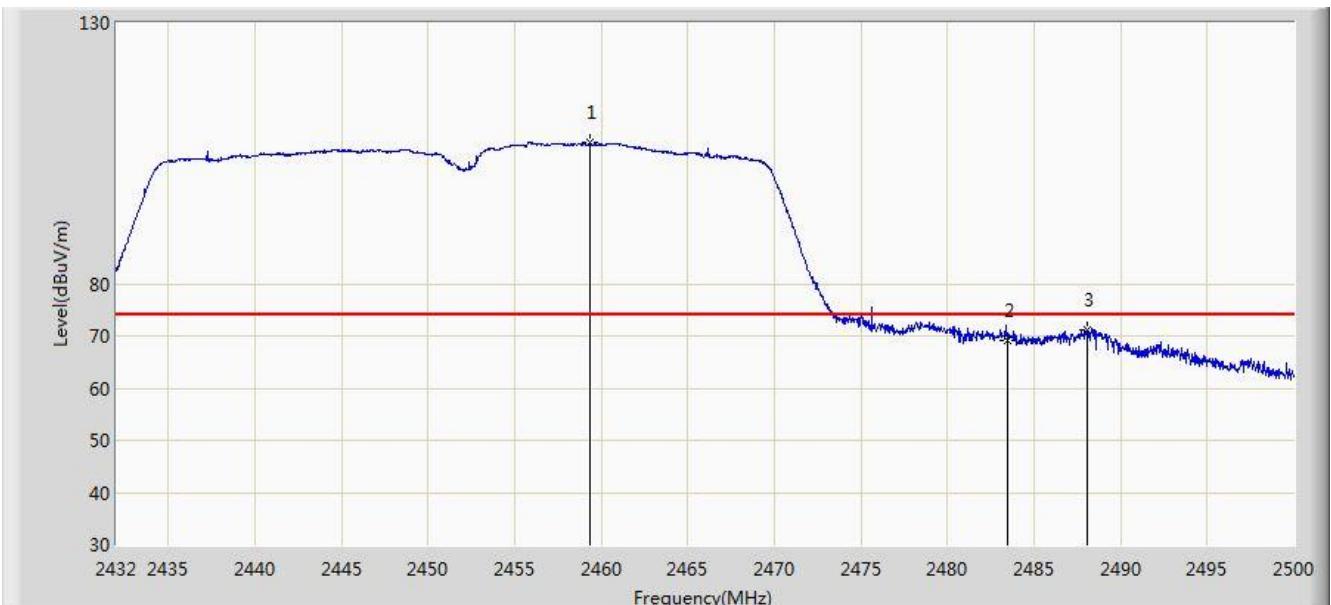


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2459.778 | 92.905 | 60.586 | N/A | N/A | 32.320 | AV |
| 2 | | | 2483.500 | 50.491 | 18.077 | -3.509 | 54.000 | 32.414 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:39 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 2 | |

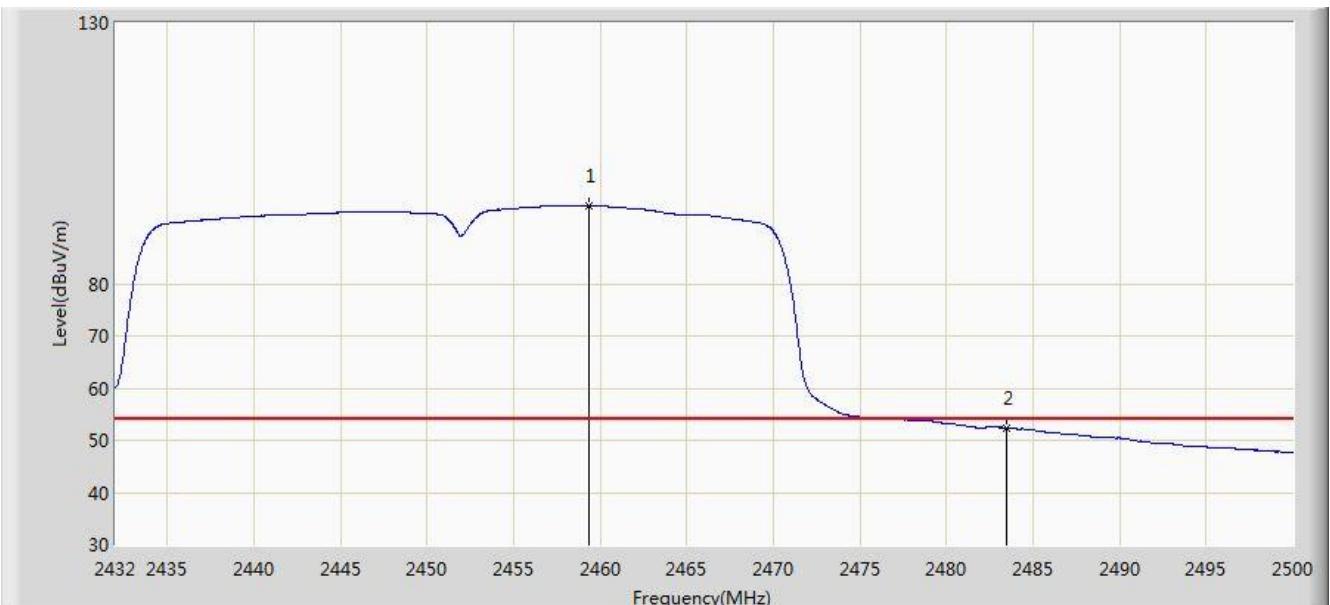


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2459.370 | 107.022 | 74.704 | N/A | N/A | 32.318 | PK |
| 2 | | | 2483.500 | 69.193 | 36.779 | -4.807 | 74.000 | 32.414 | PK |
| 3 | | | 2488.032 | 71.161 | 38.729 | -2.839 | 74.000 | 32.433 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:39 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 2 | |

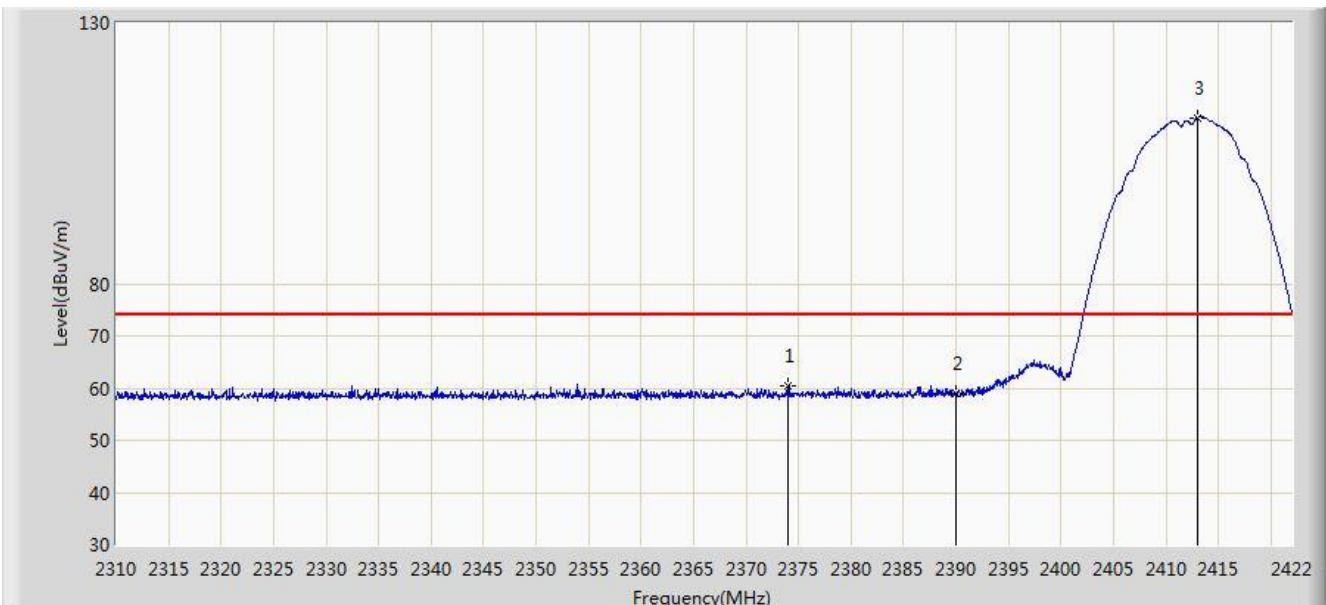


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------|-------------|------|
| 1 | | * | 2459.370 | 95.012 | 62.694 | N/A | N/A | 32.318 | AV |
| 2 | | | 2483.500 | 52.374 | 19.960 | -1.626 | 54.000 | 32.414 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:41 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1 + 2 | |

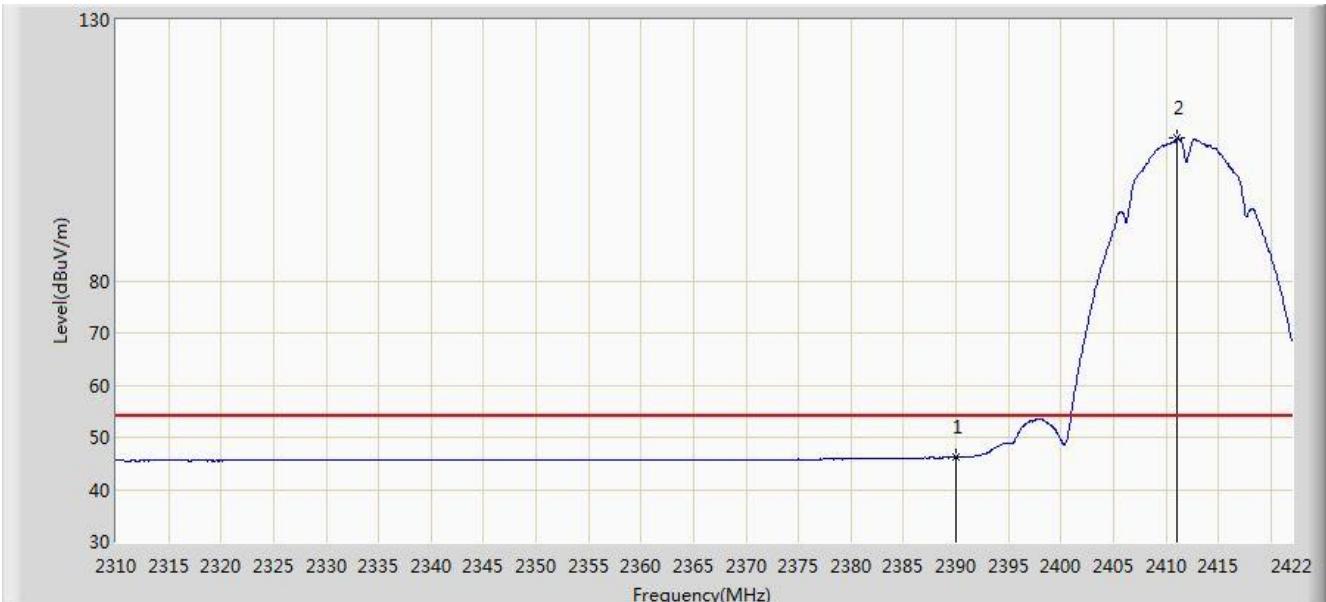


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2373.952 | 60.408 | 28.432 | -13.592 | 74.000 | 31.976 | PK |
| 2 | | | 2390.000 | 58.856 | 26.816 | -15.144 | 74.000 | 32.040 | PK |
| 3 | | * | 2413.040 | 111.871 | 79.739 | N/A | N/A | 32.132 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:44 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1 + 2 | |

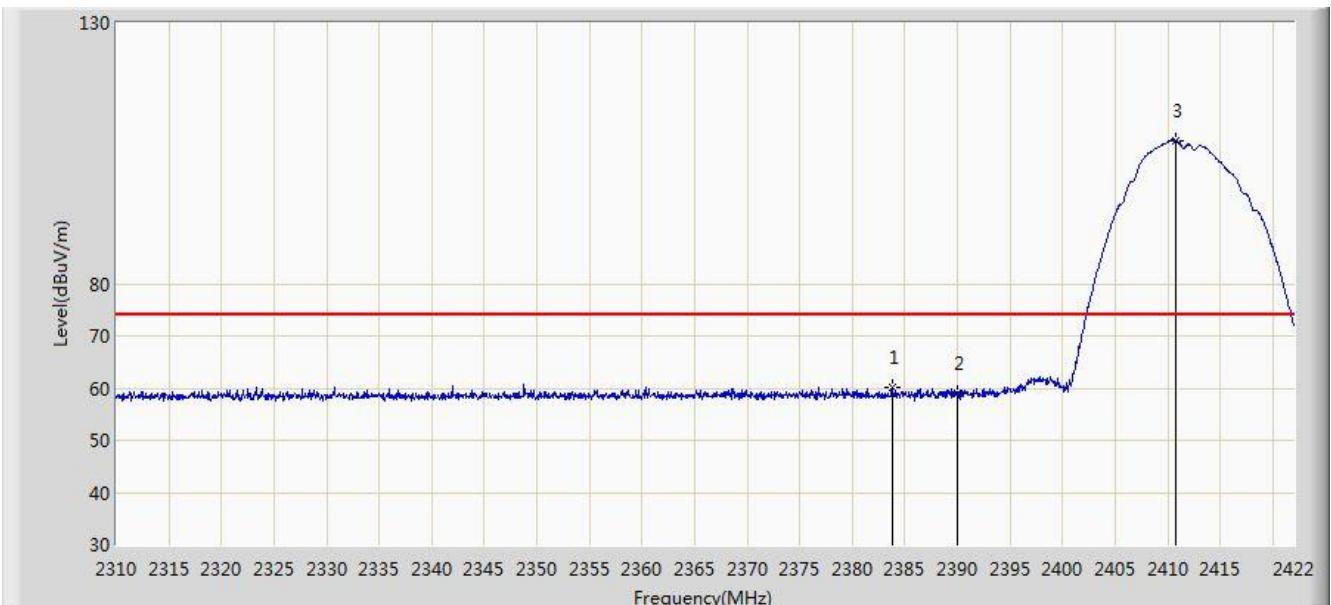


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 46.184 | 14.144 | -7.816 | 54.000 | 32.040 | AV |
| 2 | * | * | 2411.080 | 107.255 | 75.131 | N/A | N/A | 32.124 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:44 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1 + 2 | |

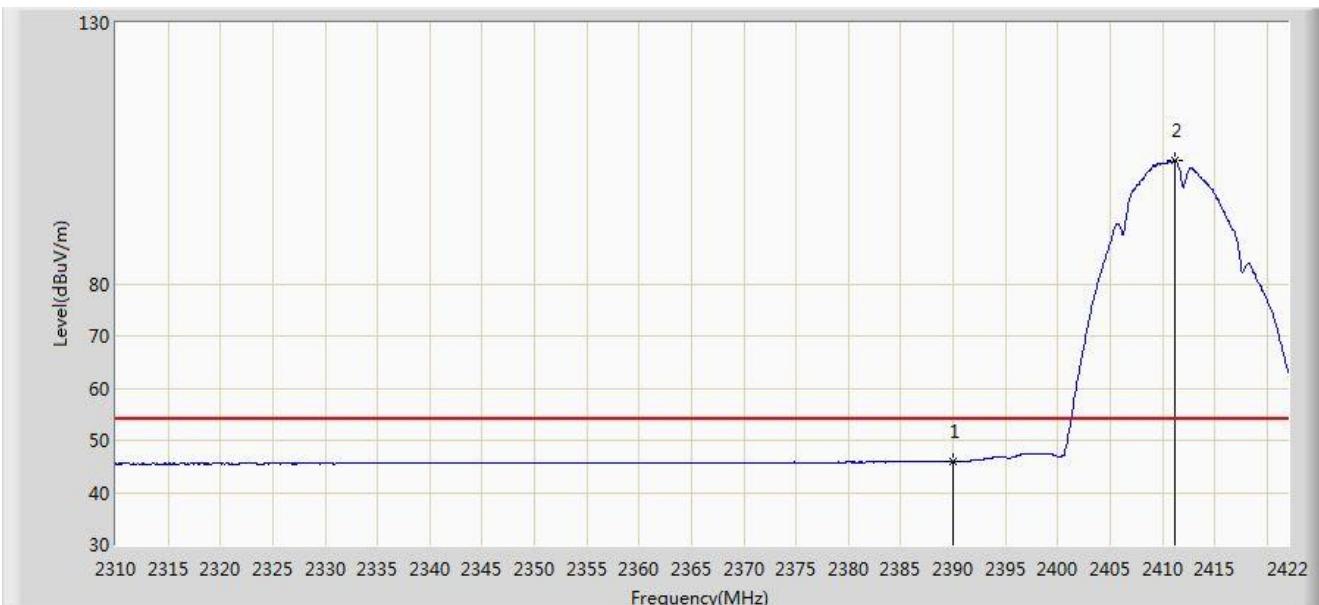


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2383.864 | 60.203 | 28.187 | -13.797 | 74.000 | 32.016 | PK |
| 2 | | | 2390.000 | 59.074 | 27.034 | -14.926 | 74.000 | 32.040 | PK |
| 3 | | * | 2410.800 | 107.516 | 75.393 | N/A | N/A | 32.123 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:46 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1 + 2 | |

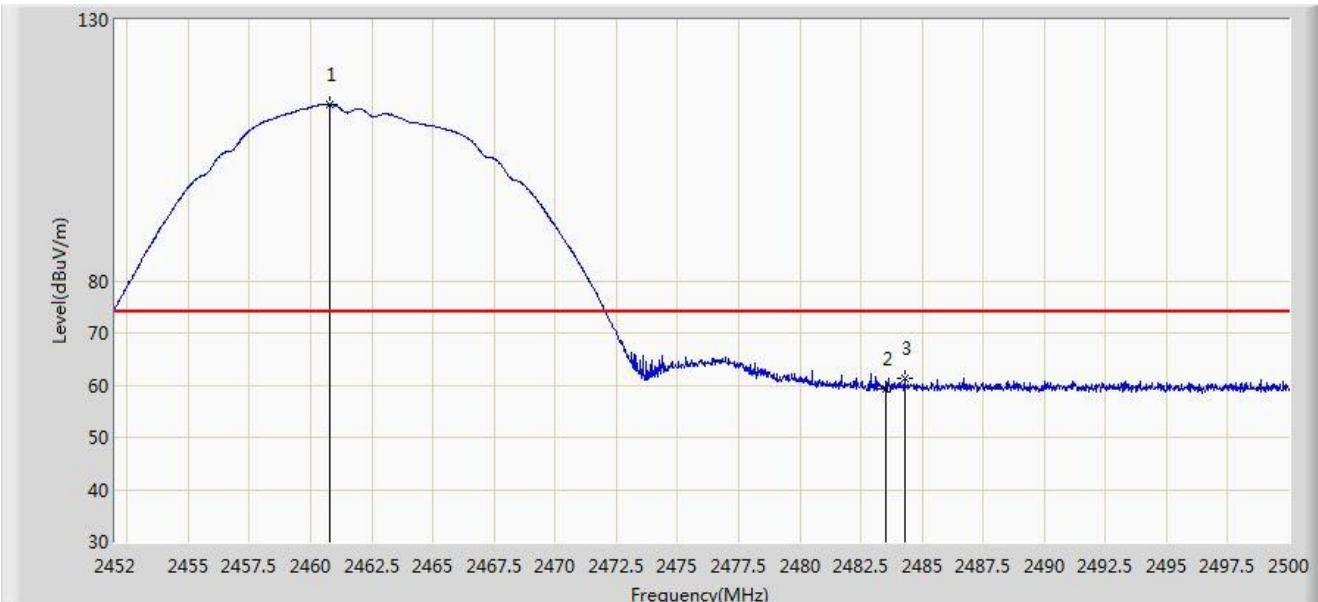


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 45.980 | 13.940 | -8.020 | 54.000 | 32.040 | AV |
| 2 | * | * | 2411.136 | 103.649 | 71.525 | N/A | N/A | 32.124 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:49 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1 + 2 | |

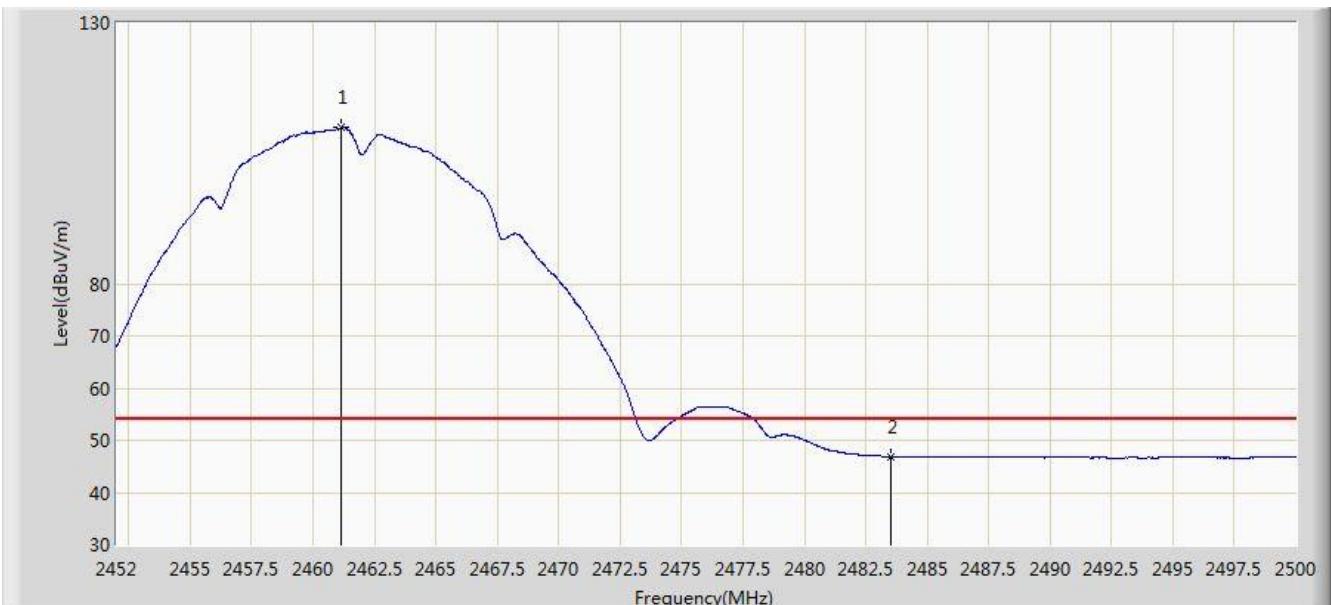


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-------------|----------------|-------------|------|
| 1 | | * | 2460.784 | 113.711 | 81.388 | N/A | N/A | 32.324 | PK |
| 2 | | | 2483.500 | 59.266 | 26.852 | -14.734 | 74.000 | 32.414 | PK |
| 3 | | | 2484.280 | 61.356 | 28.939 | -12.644 | 74.000 | 32.417 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:51 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1 + 2 | |

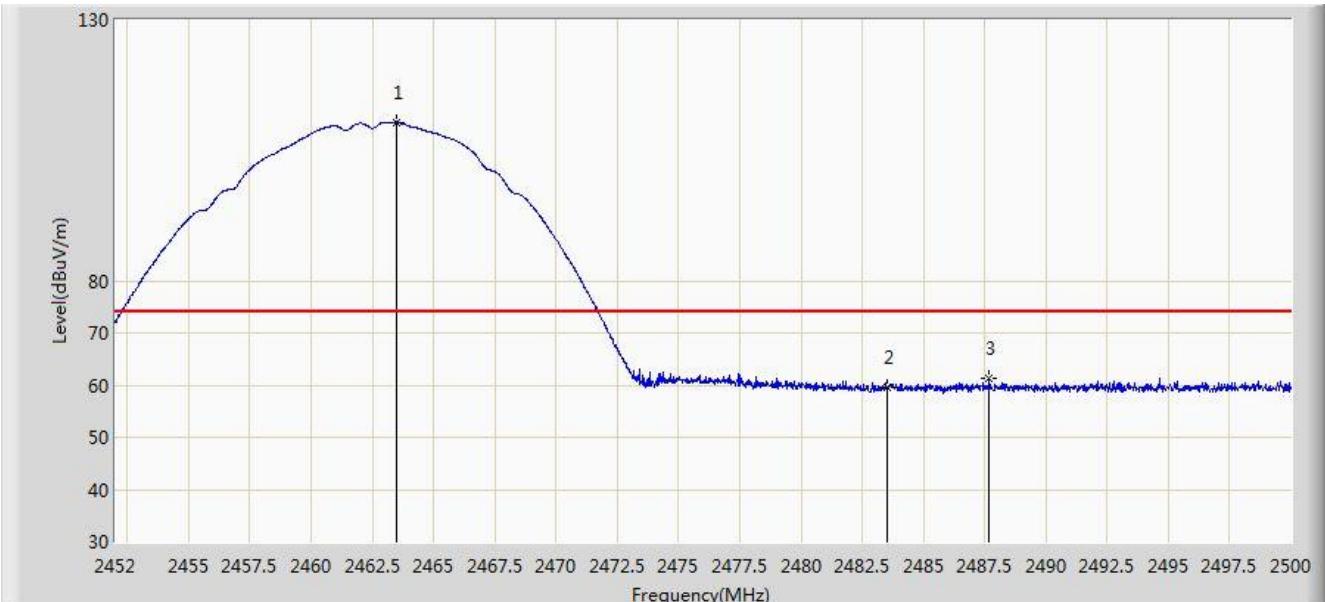


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2461.168 | 109.973 | 77.648 | N/A | N/A | 32.325 | AV |
| 2 | | | 2483.500 | 46.916 | 14.502 | -7.084 | 54.000 | 32.414 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:51 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1 + 2 | |

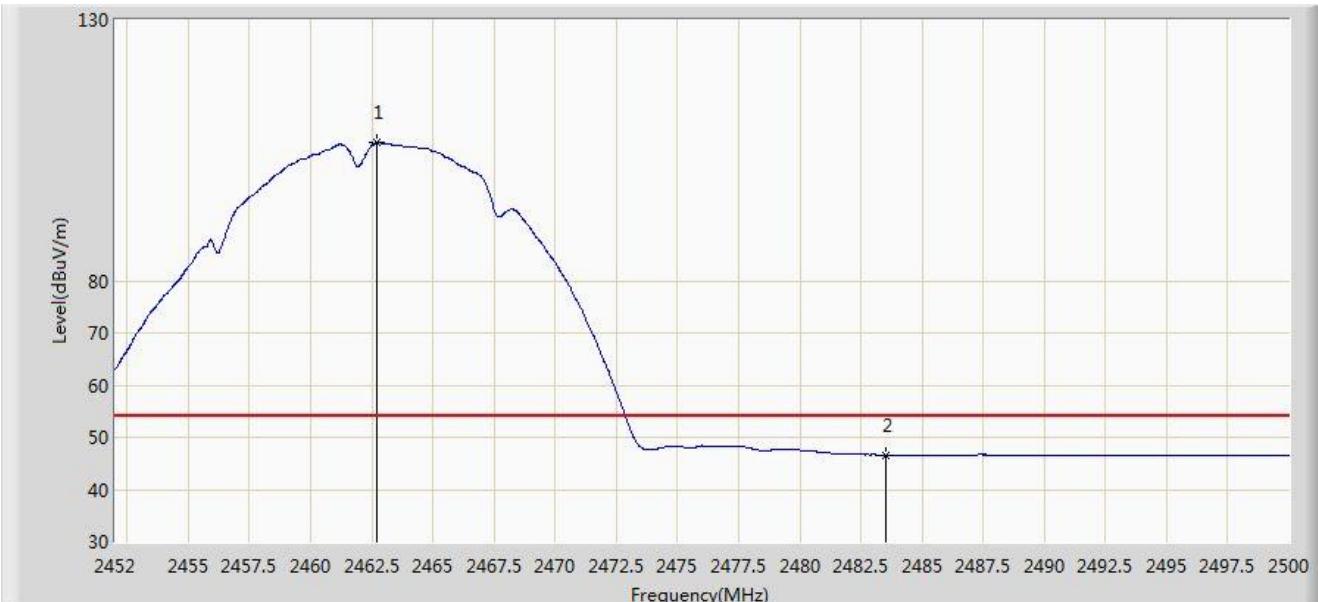


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBμV/m) | Reading Level (dBμV) | Margin (dB) | Limit (dBμV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-------------|----------------|-------------|------|
| 1 | | * | 2463.472 | 110.293 | 77.959 | N/A | N/A | 32.334 | PK |
| 2 | | | 2483.500 | 59.474 | 27.060 | -14.526 | 74.000 | 32.414 | PK |
| 3 | | | 2487.688 | 61.320 | 28.889 | -12.680 | 74.000 | 32.431 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:54 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1 + 2 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2462.728 | 106.559 | 74.228 | N/A | N/A | 32.331 | AV |
| 2 | | | 2483.500 | 46.615 | 14.201 | -7.385 | 54.000 | 32.414 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:55 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1 + 2 | |

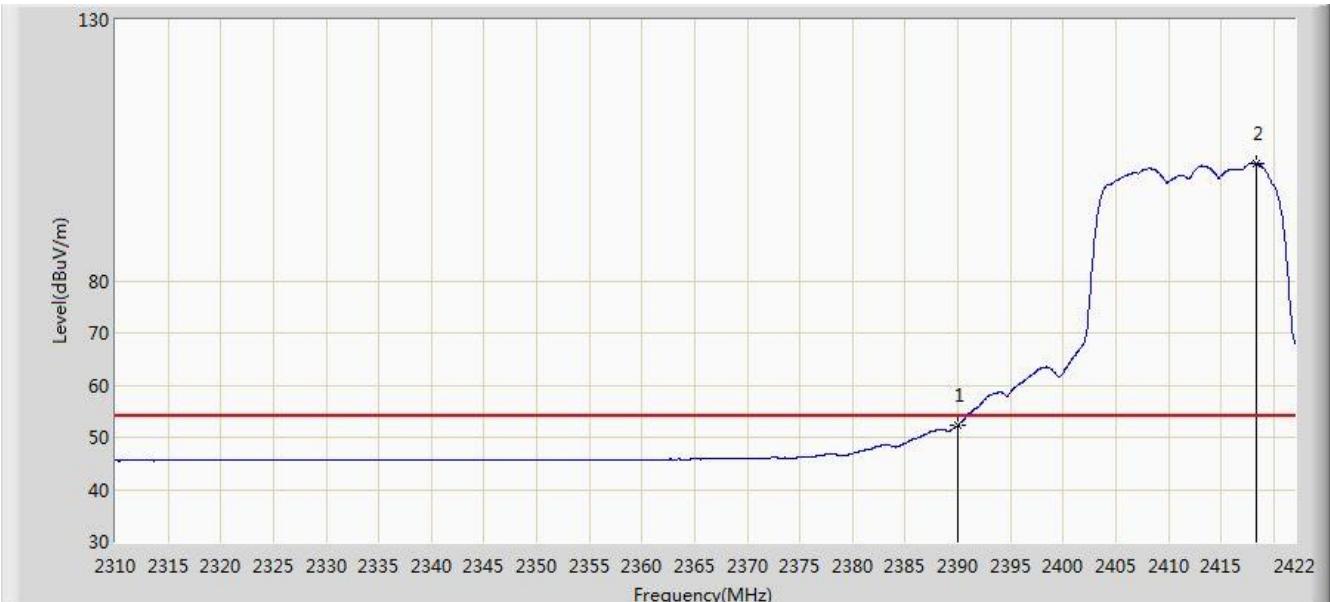


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2388.344 | 69.507 | 37.474 | -4.493 | 74.000 | 32.033 | PK |
| 2 | | | 2390.000 | 69.645 | 37.605 | -4.355 | 74.000 | 32.040 | PK |
| 3 | | * | 2414.104 | 114.666 | 82.530 | N/A | N/A | 32.137 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:56 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1 + 2 | |

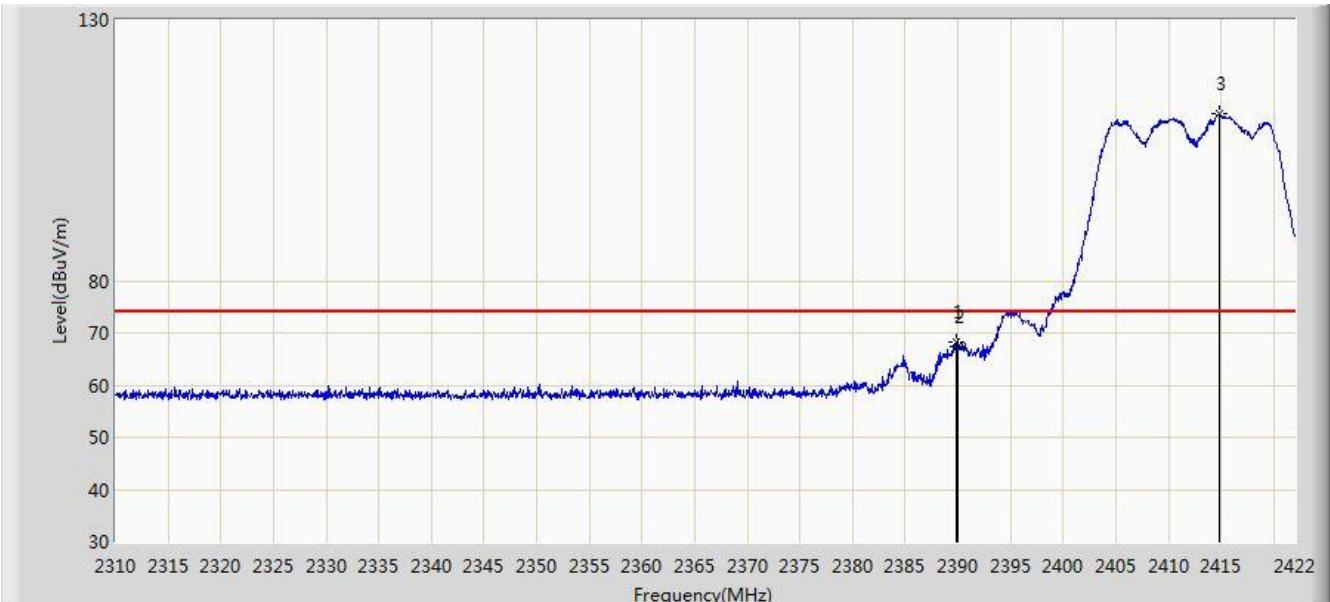


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------|-------------|------|
| 1 | | | 2390.000 | 52.290 | 20.250 | -1.710 | 54.000 | 32.040 | AV |
| 2 | * | * | 2418.304 | 102.571 | 70.418 | N/A | N/A | 32.153 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:57 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1 + 2 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2389.800 | 68.158 | 36.119 | -5.842 | 74.000 | 32.039 | PK |
| 2 | | | 2390.000 | 67.253 | 35.213 | -6.747 | 74.000 | 32.040 | PK |
| 3 | | * | 2414.832 | 111.939 | 79.800 | N/A | N/A | 32.139 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:58 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1 + 2 | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 50.805 | 18.765 | -3.195 | 54.000 | 32.040 | AV |
| 2 | * | | 2410.464 | 98.630 | 66.508 | N/A | N/A | 32.121 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 15:58 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1 + 2 | |

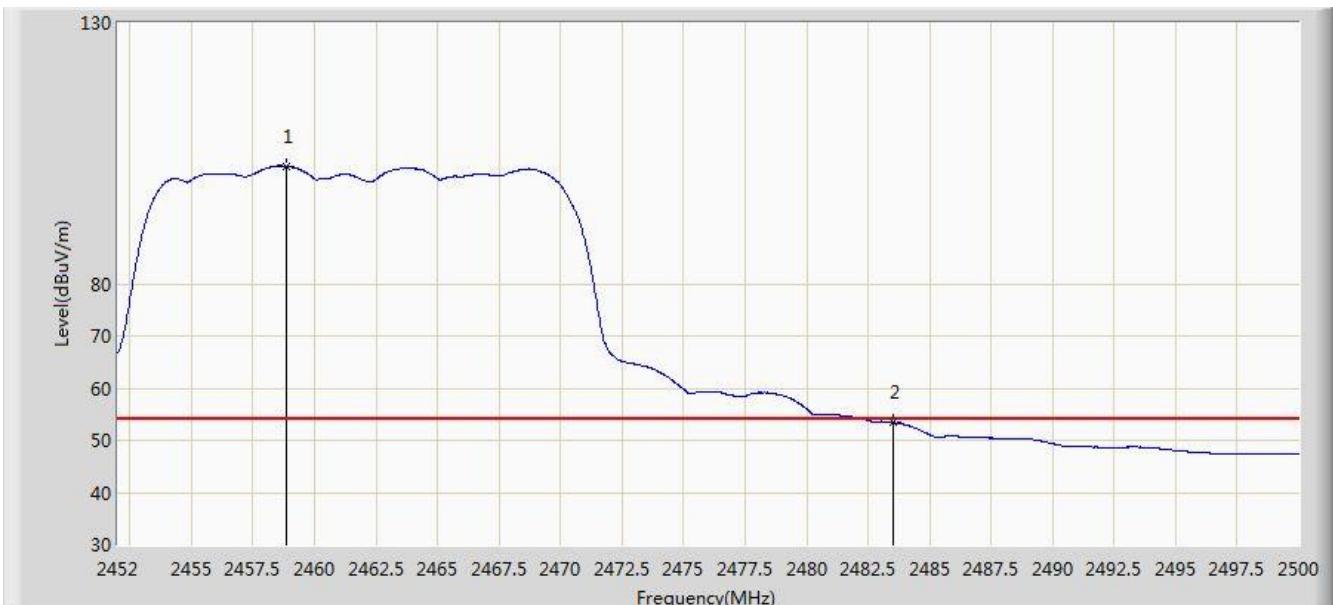


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2458.624 | 115.870 | 83.555 | N/A | N/A | 32.314 | PK |
| 2 | | | 2483.500 | 71.308 | 38.894 | -2.692 | 74.000 | 32.414 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 16:00 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1 + 2 | |

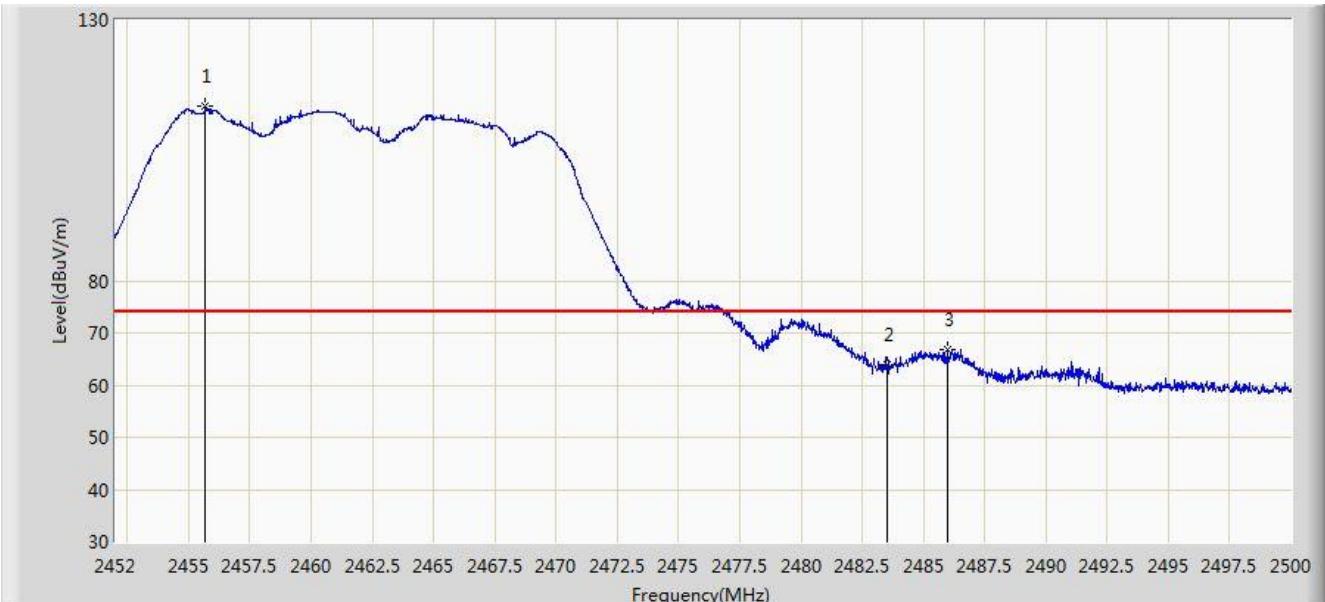


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2458.840 | 102.545 | 70.229 | N/A | N/A | 32.316 | AV |
| 2 | | | 2483.500 | 53.506 | 21.092 | -0.494 | 54.000 | 32.414 | AV |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 16:01 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1 + 2 | |

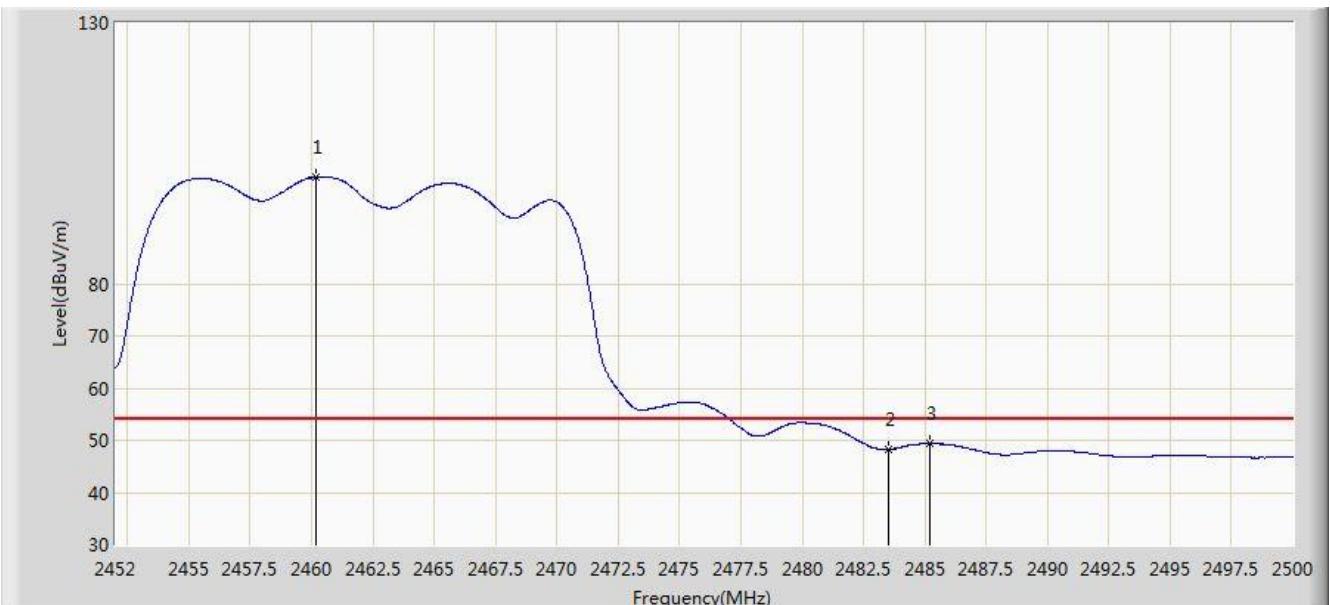


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-------------|----------------|-------------|------|
| 1 | | * | 2455.672 | 113.521 | 81.218 | N/A | N/A | 32.303 | PK |
| 2 | | | 2483.500 | 64.036 | 31.622 | -9.964 | 74.000 | 32.414 | PK |
| 3 | | | 2485.960 | 66.705 | 34.281 | -7.295 | 74.000 | 32.424 | PK |

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

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

| | |
|---|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 16:02 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1 + 2 | |

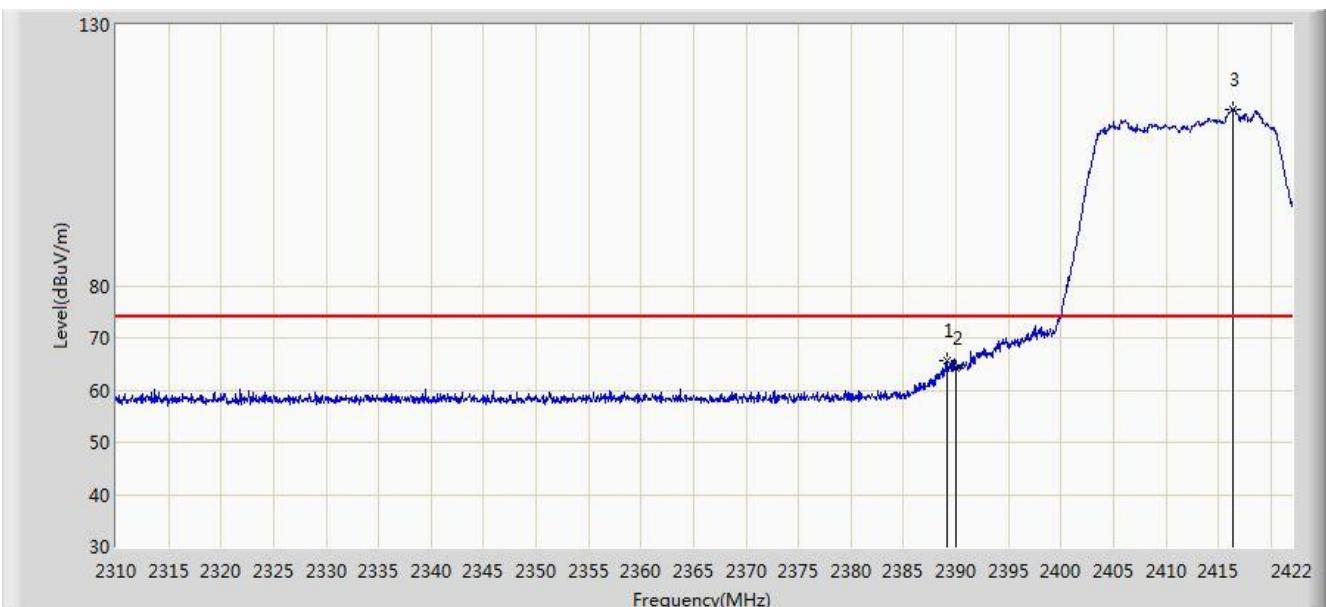


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2460.184 | 100.402 | 68.081 | N/A | N/A | 32.321 | AV |
| 2 | | | 2483.500 | 48.186 | 15.772 | -5.814 | 54.000 | 32.414 | AV |
| 3 | | | 2485.192 | 49.393 | 16.972 | -4.607 | 54.000 | 32.420 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 16:03 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 + 2(CDD Mode) | |

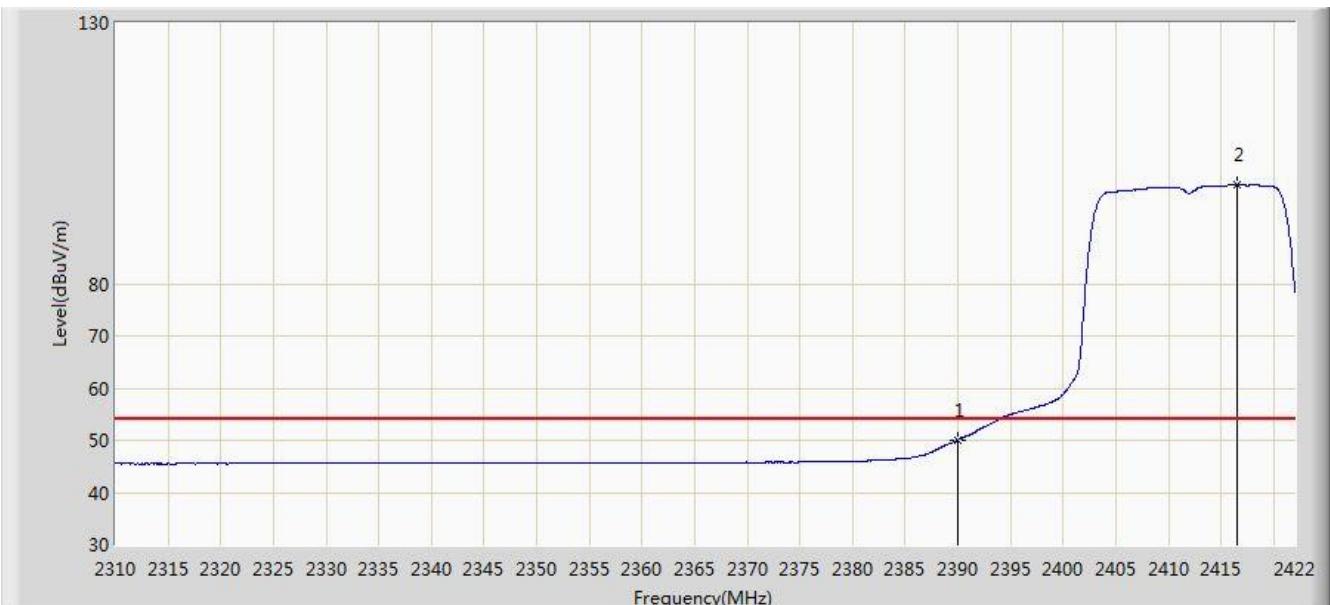


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2389.128 | 65.710 | 33.673 | -8.290 | 74.000 | 32.037 | PK |
| 2 | | | 2390.000 | 64.288 | 32.248 | -9.712 | 74.000 | 32.040 | PK |
| 3 | | * | 2416.400 | 113.774 | 81.629 | N/A | N/A | 32.145 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 16:04 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 + 2(CDD Mode) | |

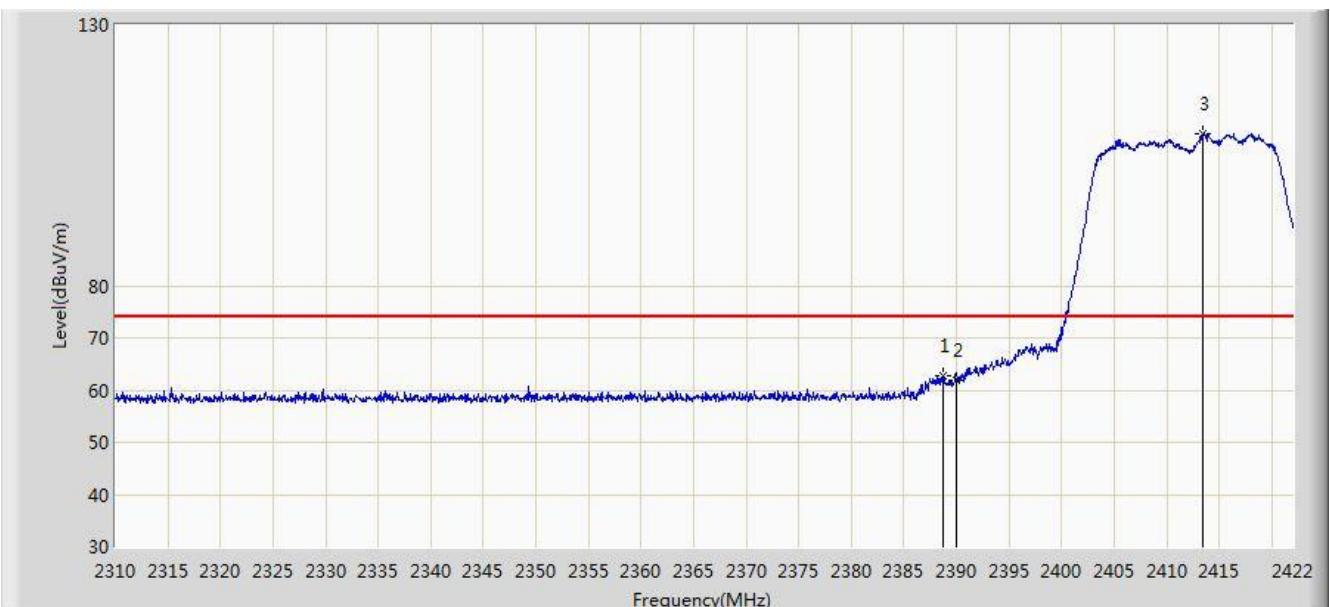


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 50.076 | 18.036 | -3.924 | 54.000 | 32.040 | AV |
| 2 | * | | 2416.568 | 99.027 | 66.881 | N/A | N/A | 32.146 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 16:04 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 + 2(CDD Mode) | |

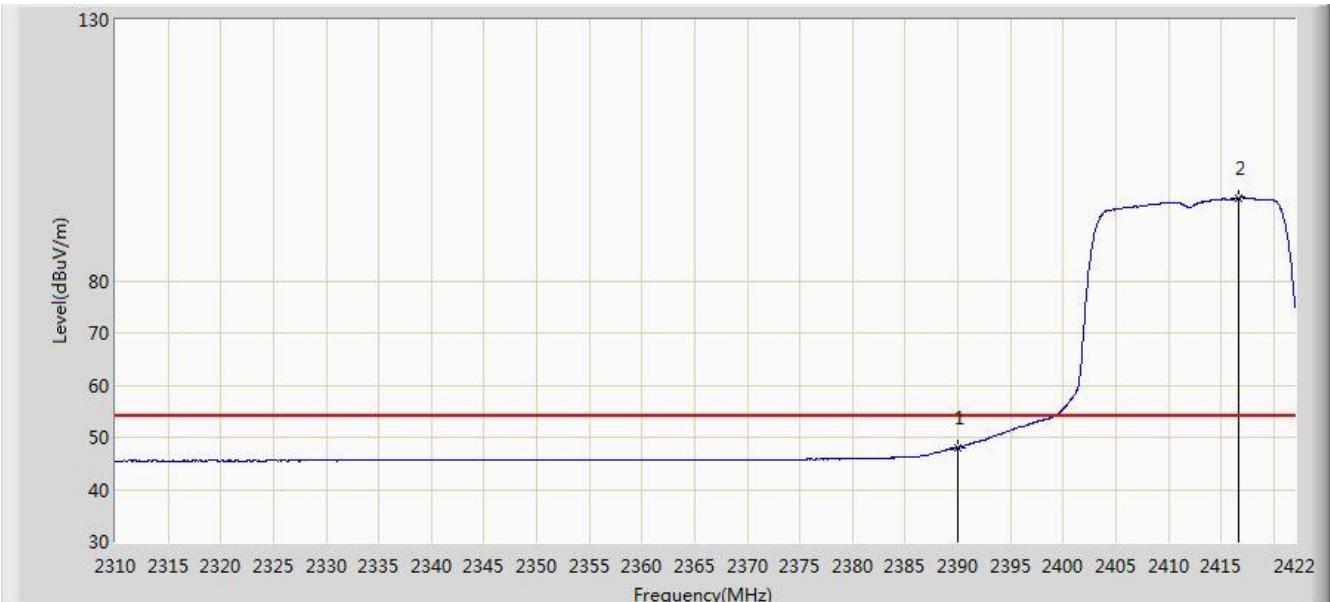


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2388.792 | 62.690 | 30.655 | -11.310 | 74.000 | 32.036 | PK |
| 2 | | | 2390.000 | 61.879 | 29.839 | -12.121 | 74.000 | 32.040 | PK |
| 3 | | * | 2413.488 | 109.098 | 76.964 | N/A | N/A | 32.134 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 16:05 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 + 2(CDD Mode) | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 48.072 | 16.032 | -5.928 | 54.000 | 32.040 | AV |
| 2 | * | * | 2416.736 | 95.906 | 63.759 | N/A | N/A | 32.147 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 16:07 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 + 2(CDD Mode) | |

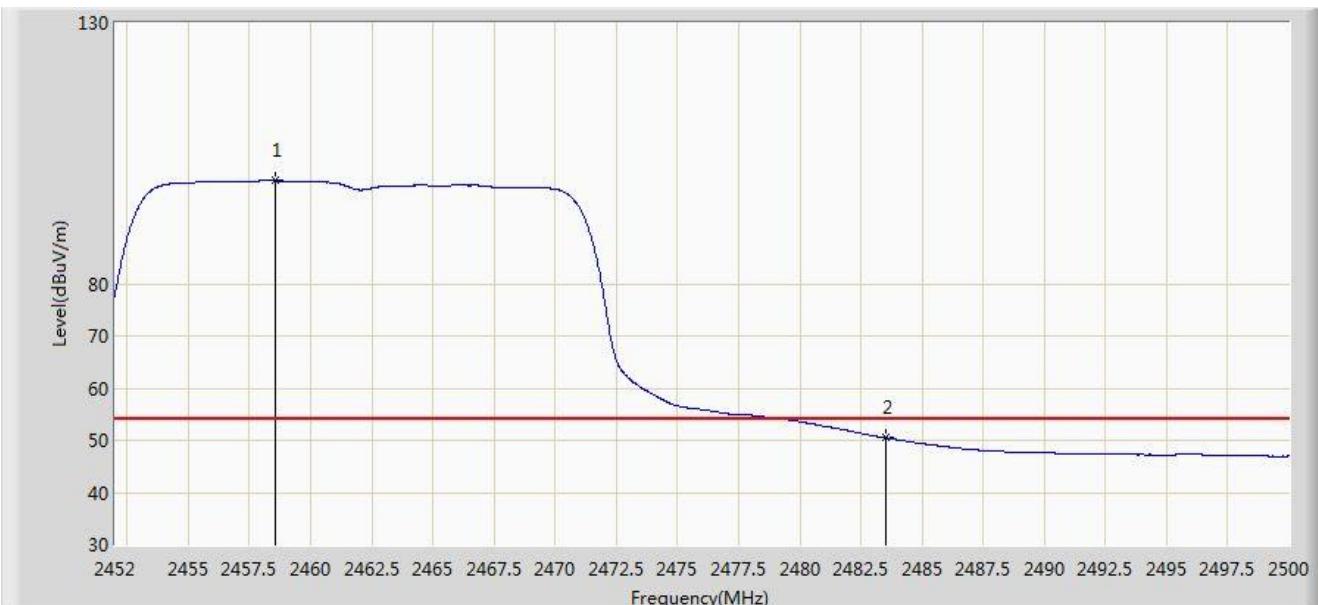


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------|-------------|------|
| 1 | | * | 2466.232 | 114.380 | 82.035 | N/A | N/A | 32.345 | PK |
| 2 | | | 2483.500 | 65.976 | 33.562 | -8.024 | 74.000 | 32.414 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 16:13 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 + 2(CDD Mode) | |

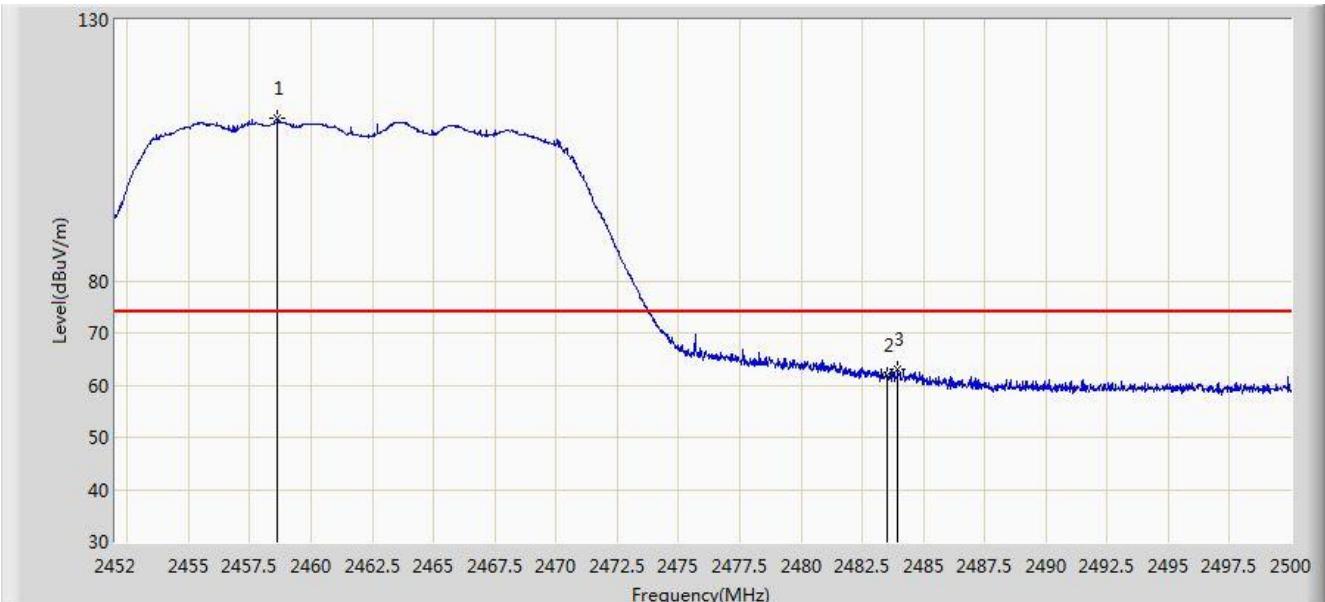


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-------------|----------------|-------------|------|
| 1 | | * | 2458.552 | 99.734 | 67.419 | N/A | N/A | 32.314 | AV |
| 2 | | | 2483.500 | 50.482 | 18.068 | -3.518 | 54.000 | 32.414 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 16:14 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 + 2(CDD Mode) | |

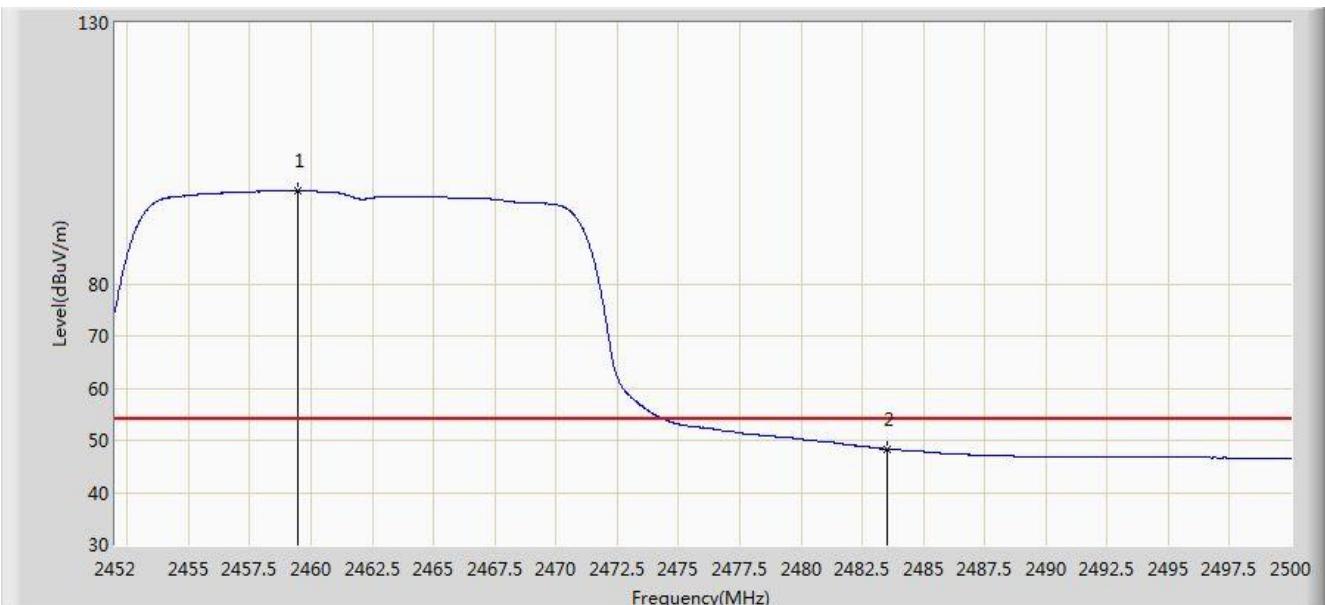


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2458.624 | 111.130 | 78.815 | N/A | N/A | 32.314 | PK |
| 2 | | | 2483.500 | 61.868 | 29.454 | -12.132 | 74.000 | 32.414 | PK |
| 3 | | | 2483.968 | 62.970 | 30.554 | -11.030 | 74.000 | 32.416 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 16:15 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 + 2(CDD Mode) | |

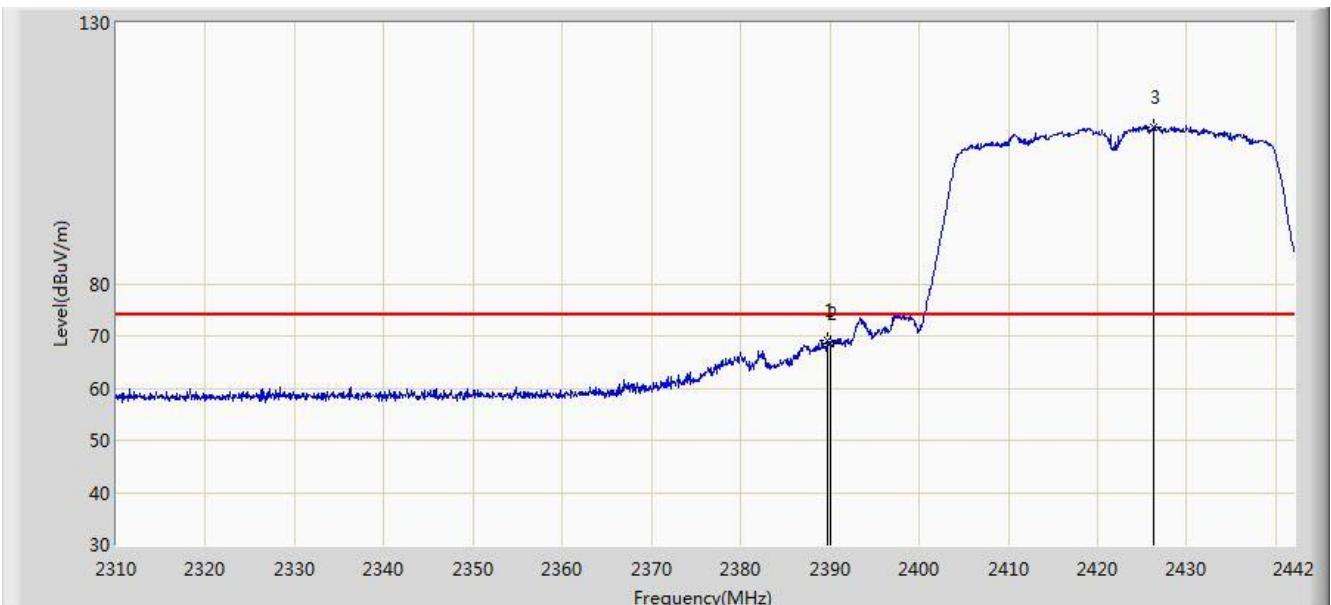


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | * | 2459.440 | 97.780 | 65.462 | N/A | N/A | 32.318 | AV |
| 2 | | | 2483.500 | 48.372 | 15.958 | -5.628 | 54.000 | 32.414 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 16:16 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1 + 2(CDD Mode) | |

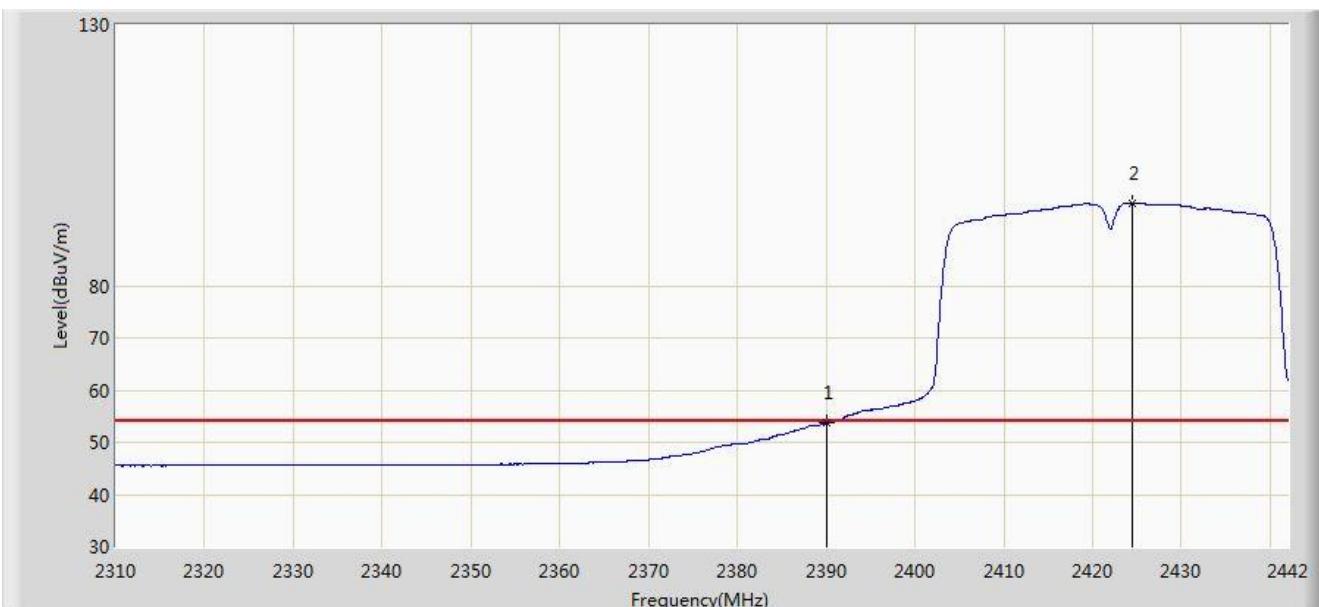


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2389.794 | 69.129 | 37.090 | -4.871 | 74.000 | 32.039 | PK |
| 2 | | | 2390.000 | 68.510 | 36.470 | -5.490 | 74.000 | 32.040 | PK |
| 3 | | * | 2426.292 | 110.113 | 77.928 | N/A | N/A | 32.184 | PK |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 16:18 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1 + 2(CDD Mode) | |

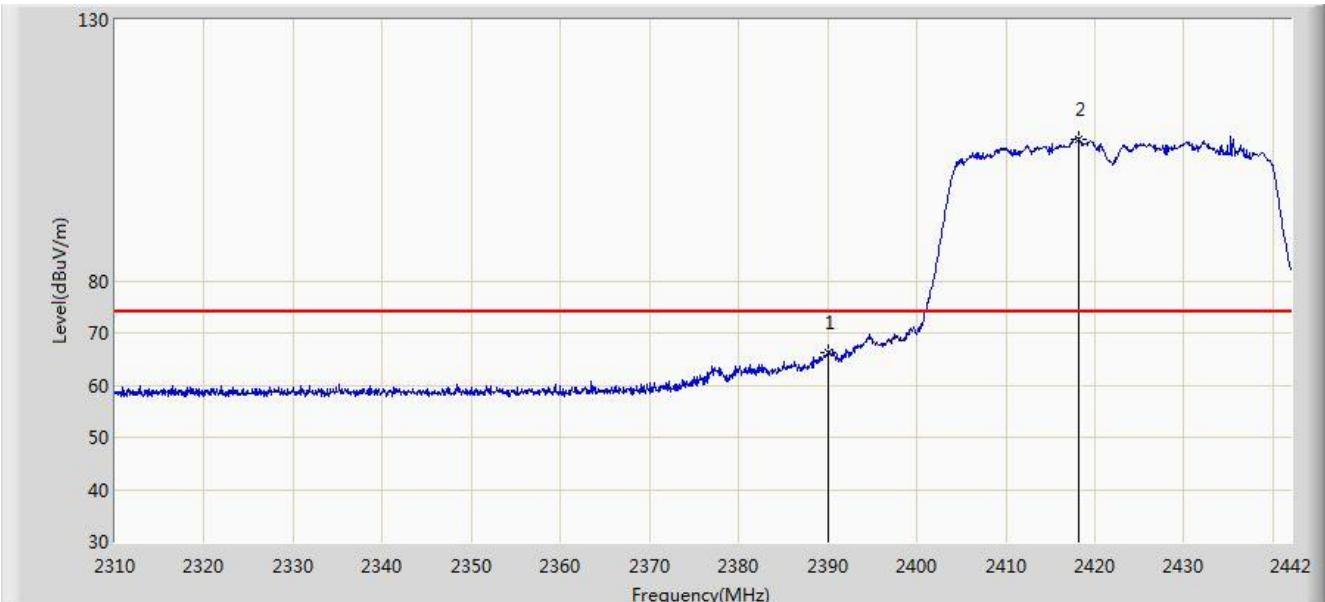


| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V/m) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|------------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 53.646 | 21.606 | -0.354 | 54.000 | 32.040 | AV |
| 2 | * | * | 2424.510 | 95.862 | 63.684 | N/A | N/A | 32.177 | AV |

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

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

| | |
|--|--------------------------|
| Site: AC1 | Time: 2017/08/03 - 16:19 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: AC220i Wi-Fi AP ID omni antenna US | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1 + 2(CDD Mode) | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dB μ V/m) | Reading Level (dB μ V) | Margin (dB) | Limit (dB μ V/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------------|----------------------------|-------------|----------------------|-------------|------|
| 1 | | | 2390.000 | 66.231 | 34.191 | -7.769 | 74.000 | 32.040 | PK |
| 2 | * | * | 2418.108 | 107.242 | 75.090 | N/A | N/A | 32.152 | PK |

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

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