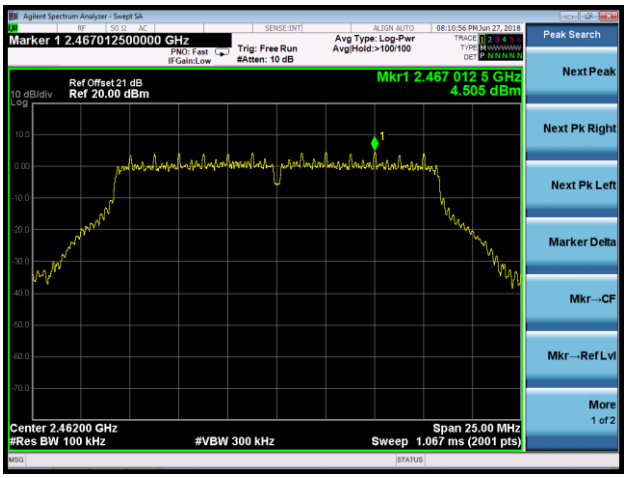
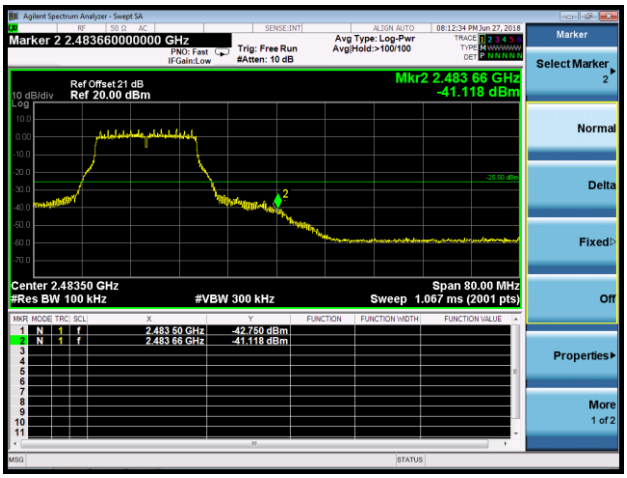
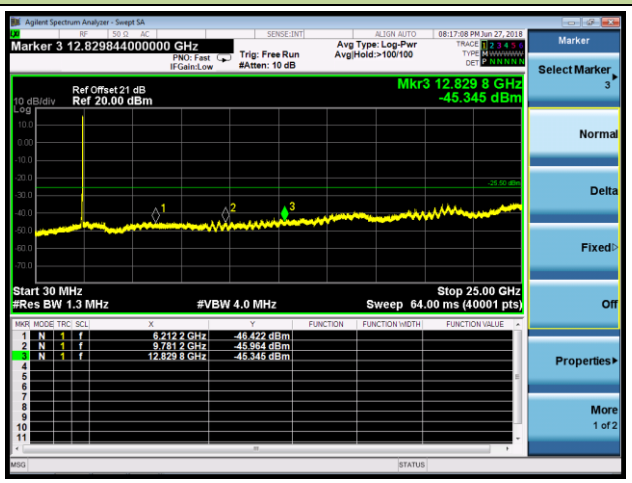
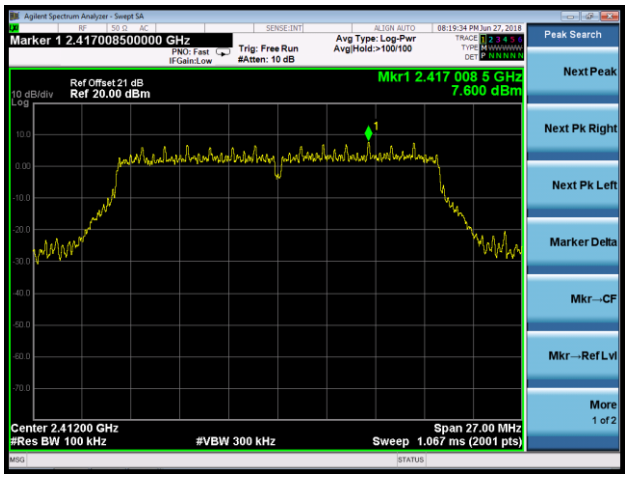
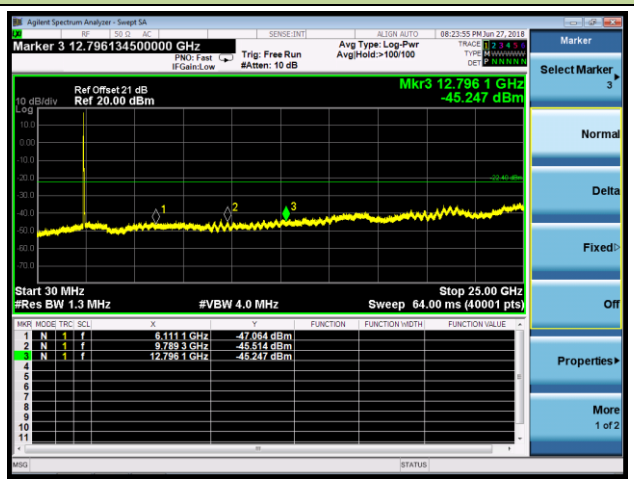
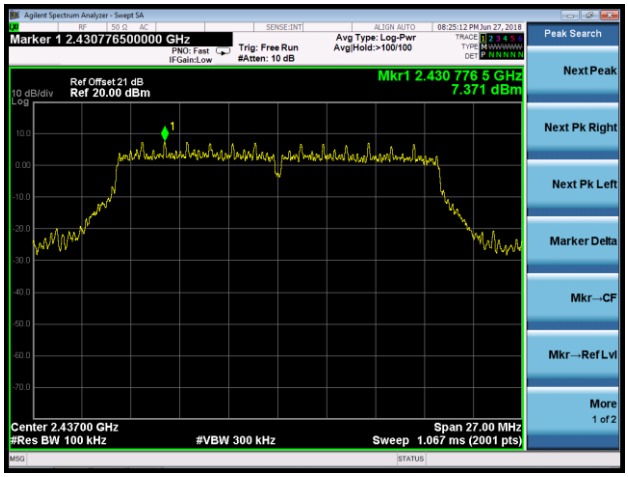
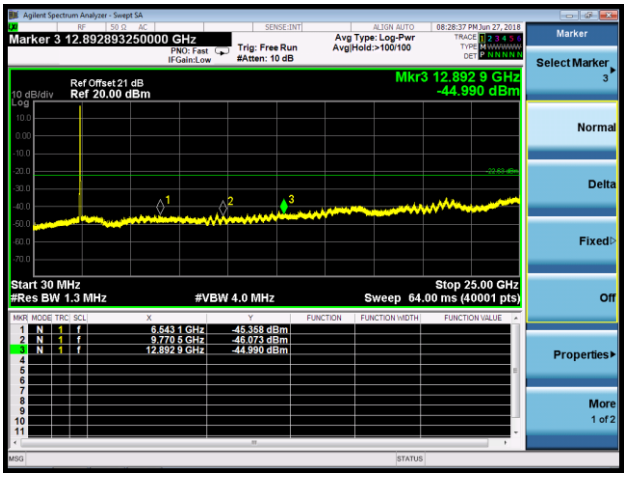
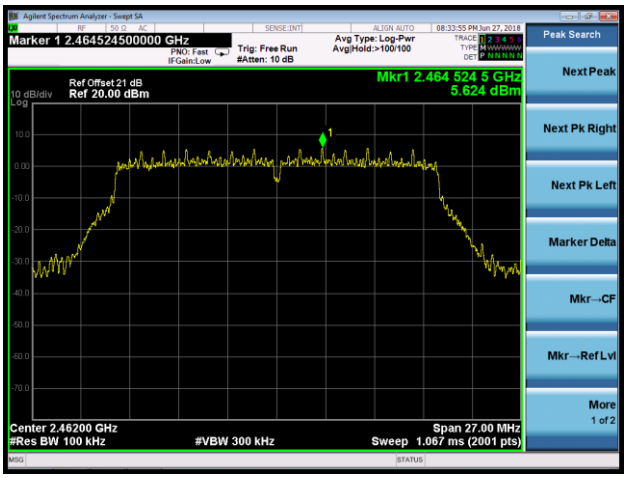
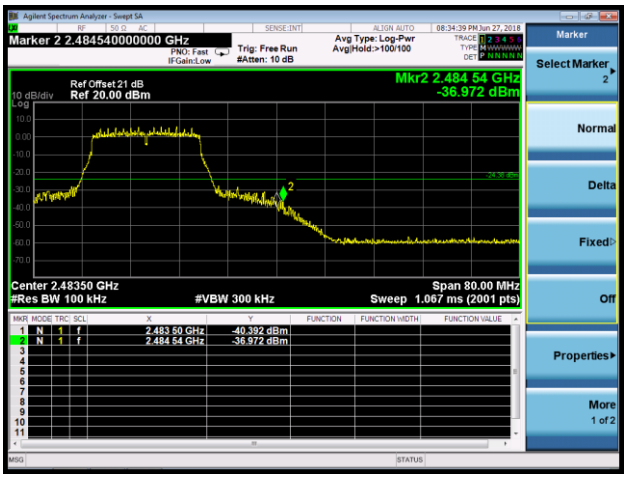
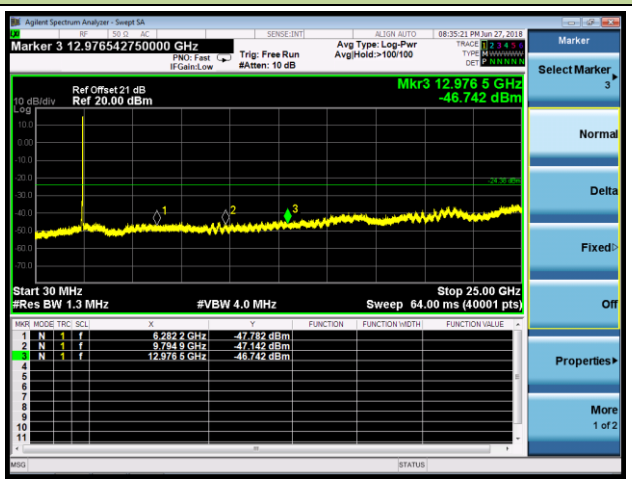
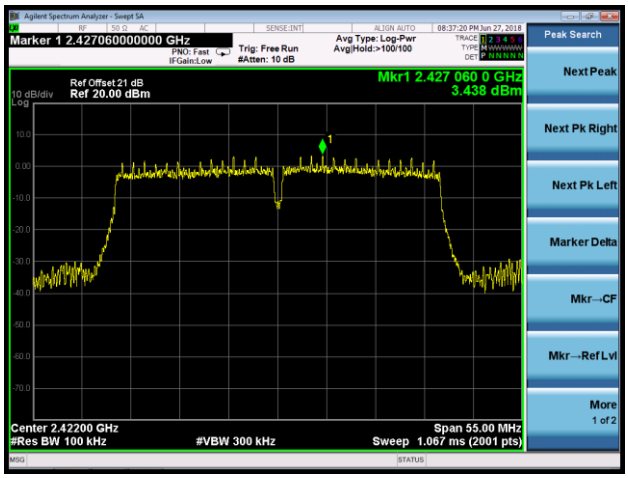
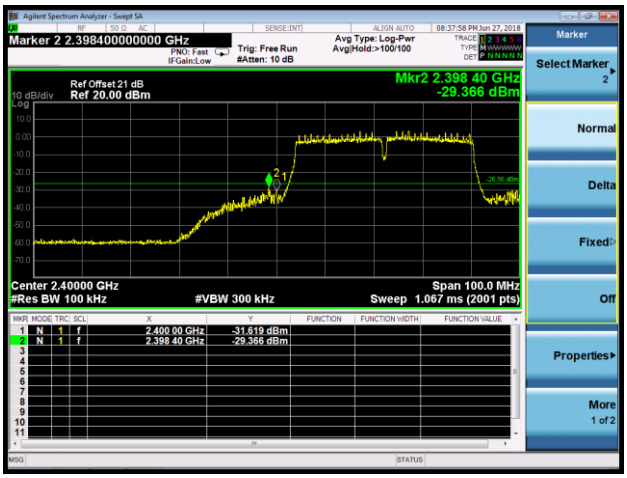
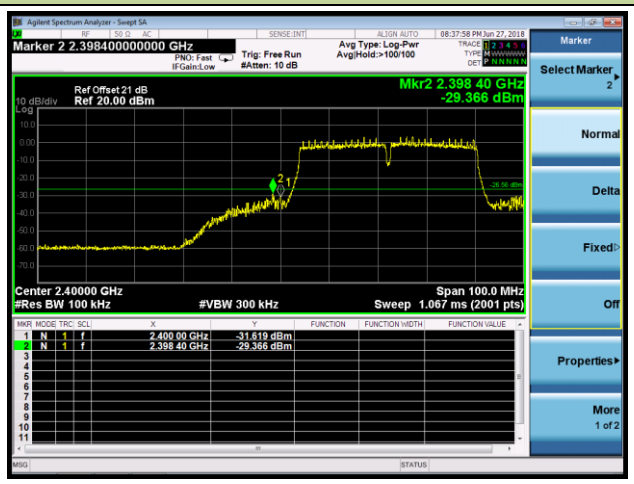
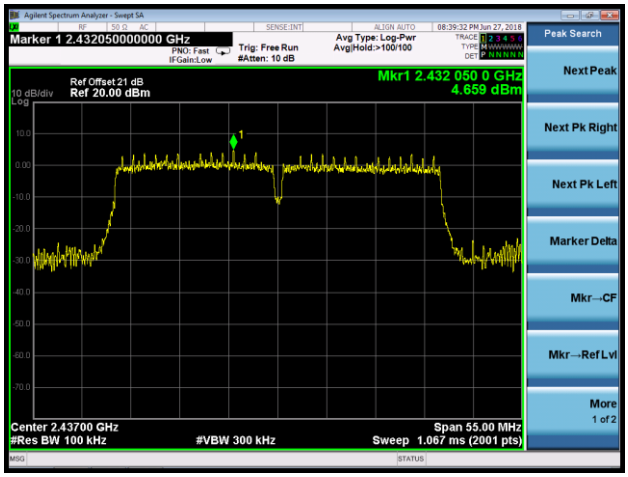
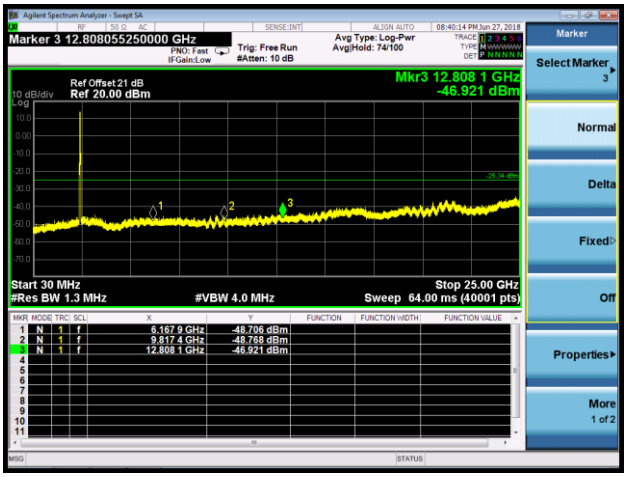
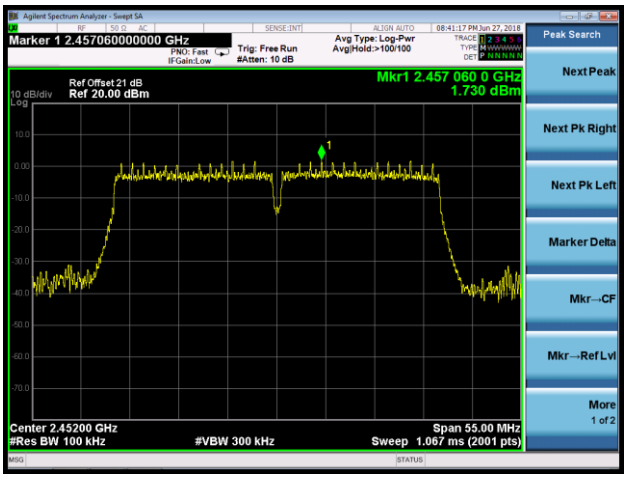
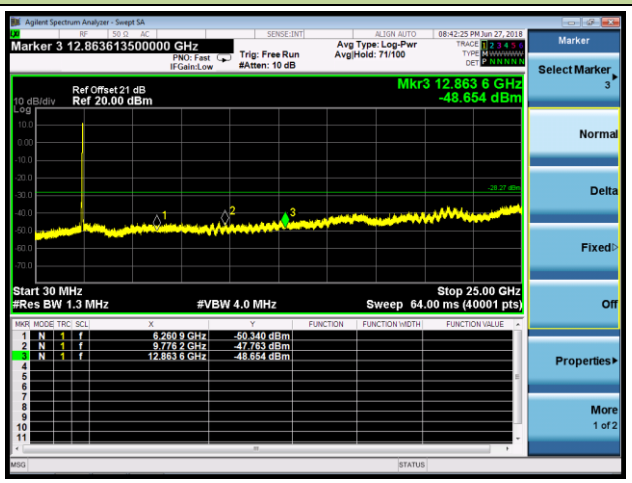
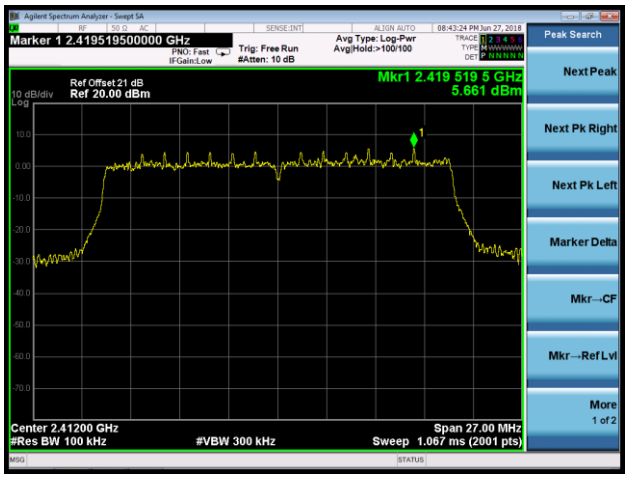
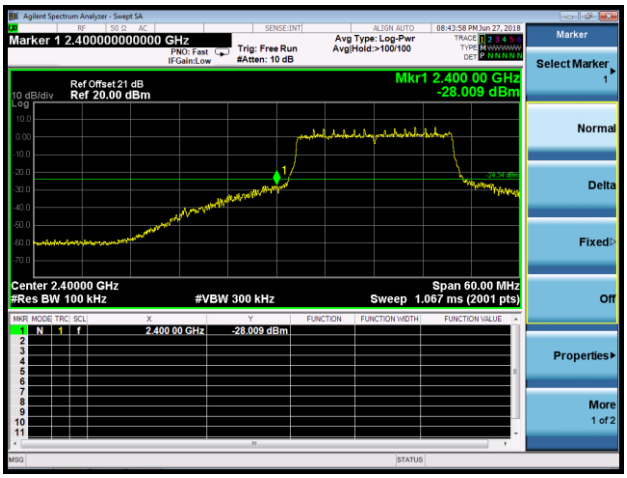
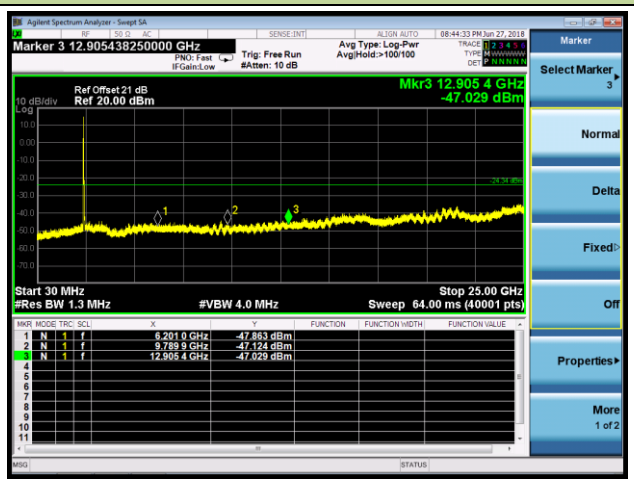
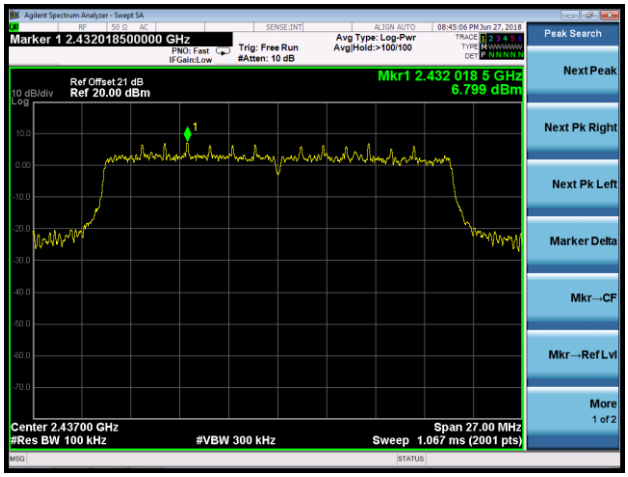
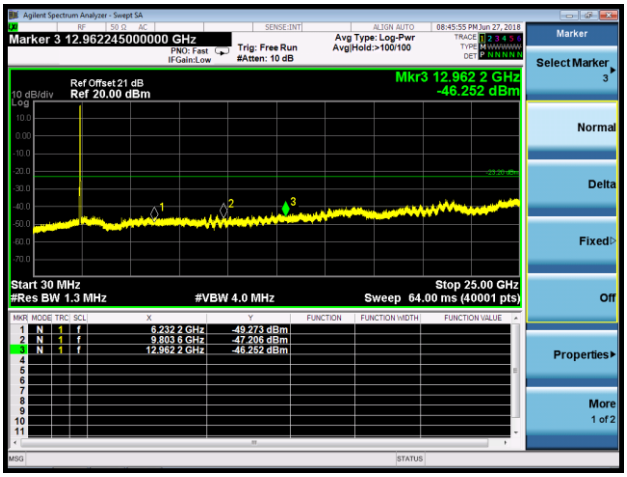
| 802.11g Out-of-Band Emissions - Ant 1 / Ant 0 + 1 | |
|---|---|
| Channel 11 (2462MHz) | |
| 100kHz PSD reference Level | High Band Edge |
|  |  |
| Spurious Emission | |
|  | Note: The Value of the Display Line is -25.50dBm |

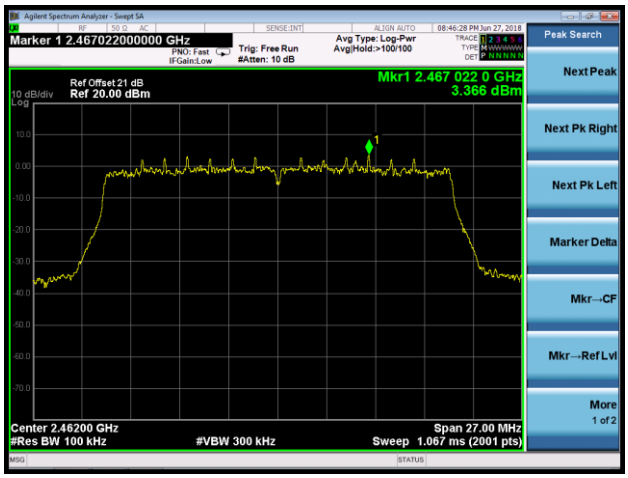
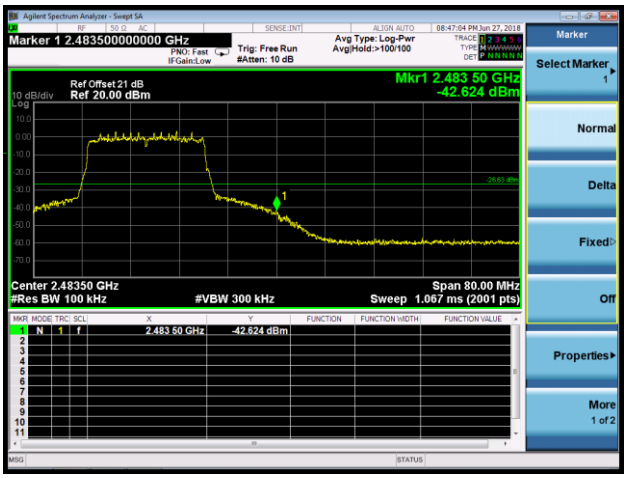
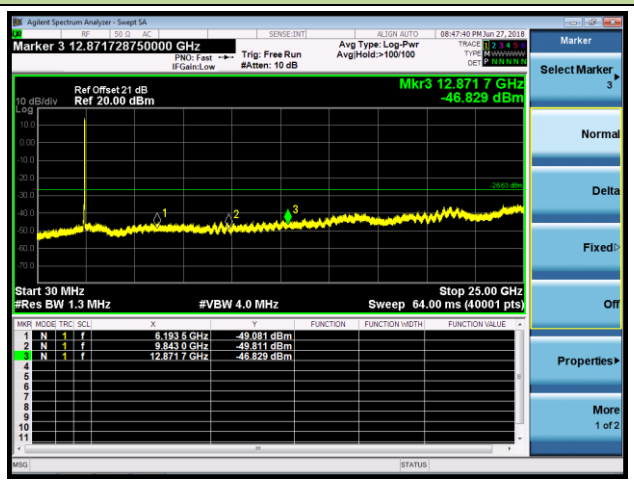
| 802.11n-HT20 Out-of-Band Emissions - Ant 1 / Ant 0 + 1 | |
|---|---|
| Channel 01 (2412MHz) | |
| 100kHz PSD reference Level | Low Band Edge |
|  |  |
| Spurious Emission | |
|  | Note: The Value of the Display Line is -22.40dBm |
| Channel 06 (2437MHz) | |
| 100kHz PSD reference Level | Spurious Emission |
|  |  |
| Note: The Value of the Display Line is -22.63dBm | |

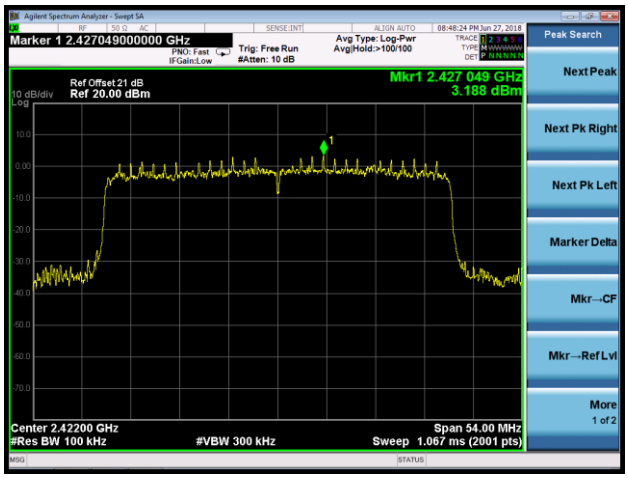
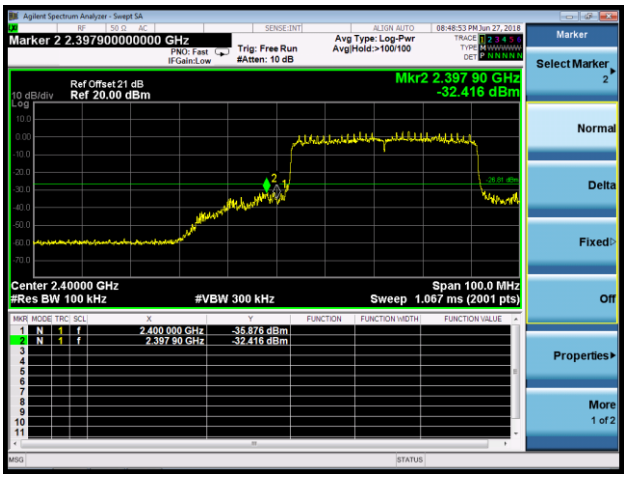
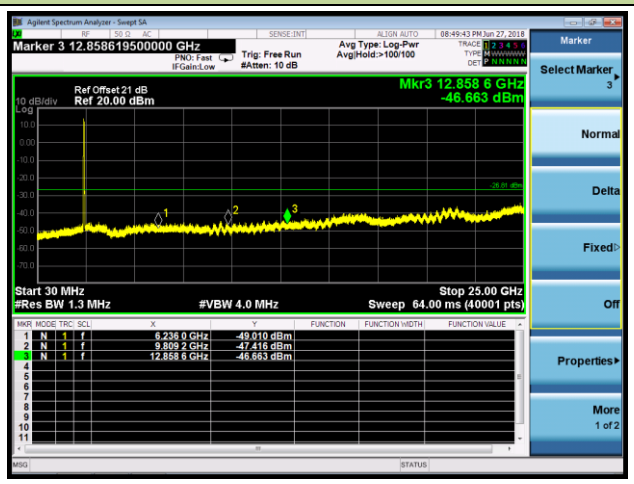
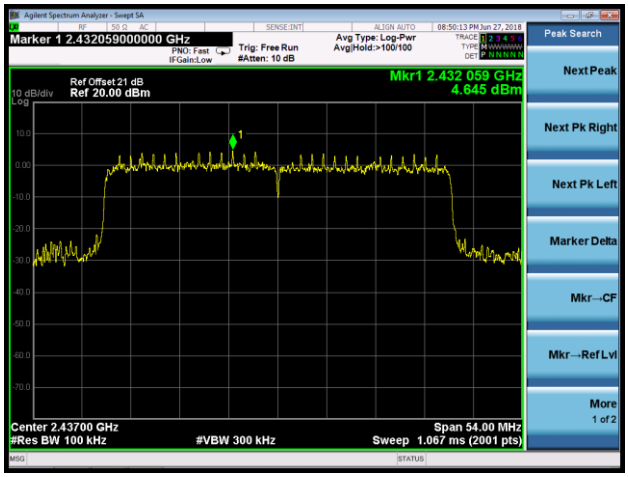
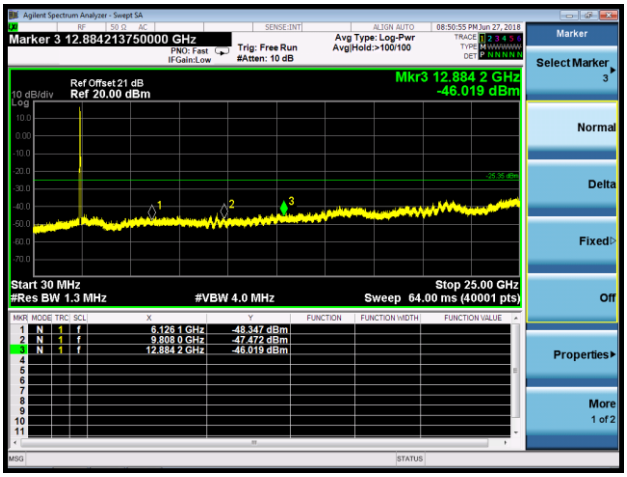
| 802.11n-HT20 Out-of-Band Emissions - Ant 1 / Ant 0 + 1 | |
|---|---|
| Channel 11 (2462MHz) | |
| 100kHz PSD reference Level | High Band Edge |
|  |  |
| Spurious Emission | |
|  | Note: The Value of the Display Line is -24.38dBm |

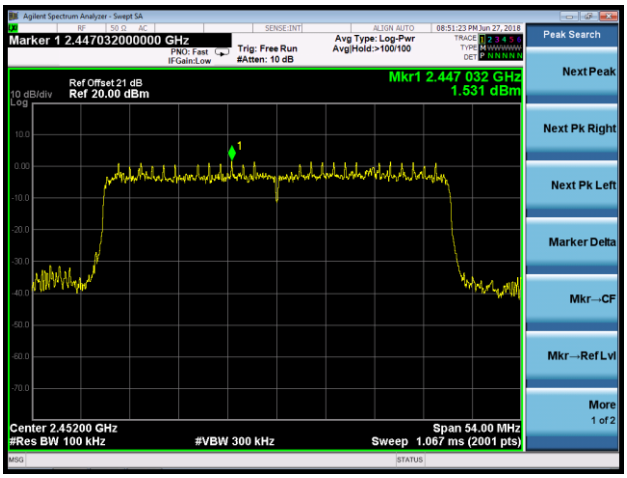
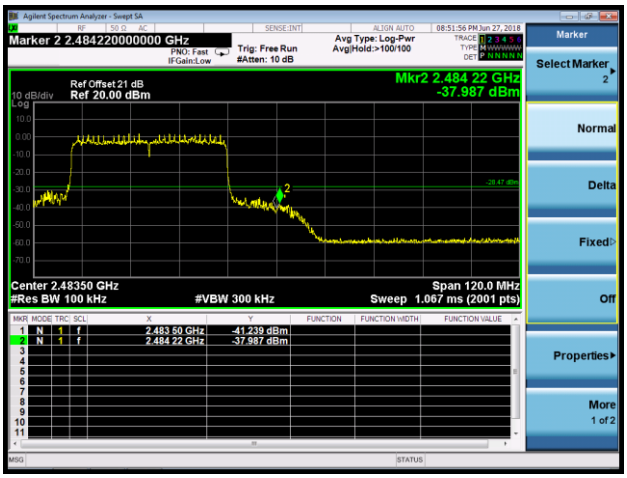
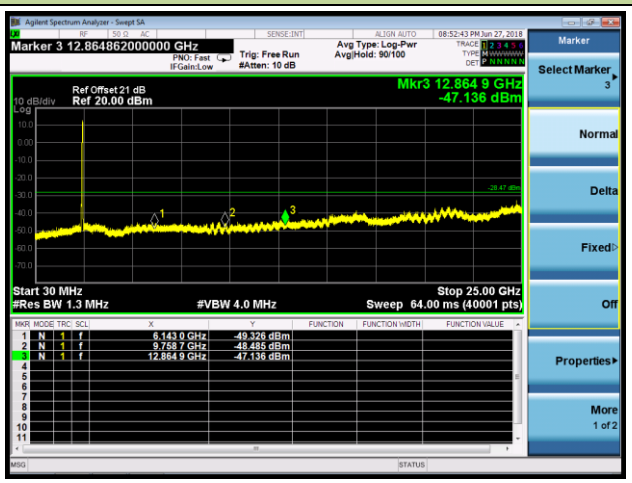
| 802.11n-HT40 Out-of-Band Emissions - Ant 1 / Ant 0 + 1 | |
|---|---|
| Channel 03 (2422MHz) | |
| 100kHz PSD reference Level | Low Band Edge |
|  |  |
| Spurious Emission | |
|  | Note: The Value of the Display Line is -26.56dBm |
| Channel 06 (2437MHz) | |
| 100kHz PSD reference Level | Spurious Emission |
|  |  |
| Note: The Value of the Display Line is -25.34dBm | |

| 802.11n-HT40 Out-of-Band Emissions - Ant 1 / Ant 0 + 1 | |
|---|---|
| Channel 09 (2452MHz) | |
| 100kHz PSD reference Level | High Band Edge |
|  |  |
| Spurious Emission | |
|  | Note: The Value of the Display Line is -28.27dBm |

| 802.11ax-HE20 Out-of-Band Emissions - Ant 1 / Ant 0 + 1 | |
|---|---|
| Channel 01 (2412MHz) | |
| 100kHz PSD reference Level | Low Band Edge |
|  |  |
| Spurious Emission | |
|  | Note: The Value of the Display Line is -24.34dBm |
| Channel 06 (2437MHz) | |
| 100kHz PSD reference Level | Spurious Emission |
|  |  |
| Note: The Value of the Display Line is -23.20dBm | |

| 802.11ax-HE20 Out-of-Band Emissions - Ant 1 / Ant 0 + 1 | |
|---|---|
| Channel 11 (2462MHz) | |
| 100kHz PSD reference Level | High Band Edge |
|  |  |
| Spurious Emission | |
|  | Note: The Value of the Display Line is -26.63dBm |

| 802.11ax-HE40 Out-of-Band Emissions - Ant 1 / Ant 0 + 1 | |
|---|---|
| Channel 03 (2422MHz) | |
| 100kHz PSD reference Level | Low Band Edge |
|  |  |
| Spurious Emission | |
|  | Note: The Value of the Display Line is -26.81dBm |
| Channel 06 (2437MHz) | |
| 100kHz PSD reference Level | Spurious Emission |
|  |  |
| Note: The Value of the Display Line is -25.35dBm | |

| 802.11ax-HE40 Out-of-Band Emissions - Ant 1 / Ant 0 + 1 | |
|---|---|
| Channel 09 (2452MHz) | |
| 100kHz PSD reference Level | High Band Edge |
|  |  |
| Spurious Emission | |
|  | Note: The Value of the Display Line is -28.47dBm |

## 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 [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 |

### 7.6.2.Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

### 7.6.3.Test Setting

**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 |

**Quasi-Peak Measurements below 1GHz**

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

2. Span was set greater than 1MHz

3. RBW = as specified in Table 1

4. Detector = CISPR quasi-peak

5. Sweep time = auto couple

6. Trace was allowed to stabilize

**Peak Measurements above 1GHz**

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

2. RBW = 1MHz

3. VBW = 3MHz

4. Detector = peak

5. Sweep time = auto couple

6. Trace mode = max hold

7. Trace was allowed to stabilize

**Average Measurements above 1GHz**

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

2. RBW = 1MHz

3. VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.

If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.

4. Detector = Peak

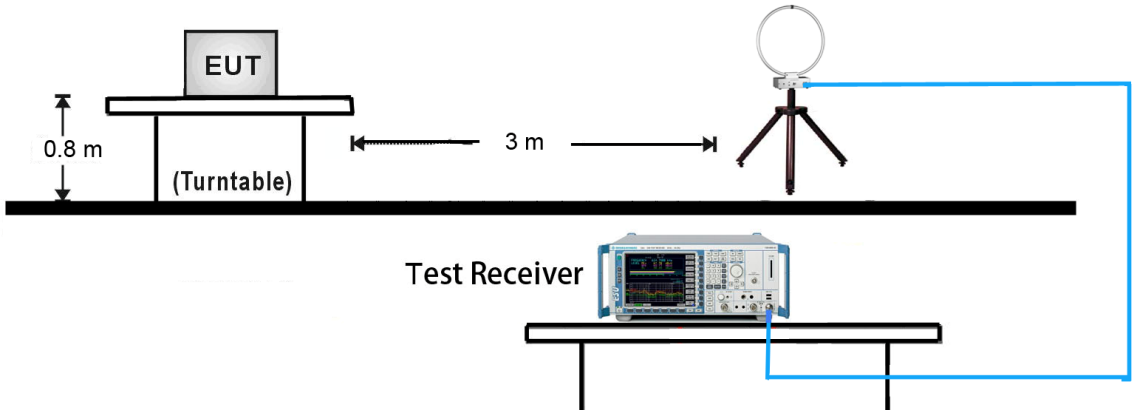
5. Sweep time = auto

6. Trace mode = max hold

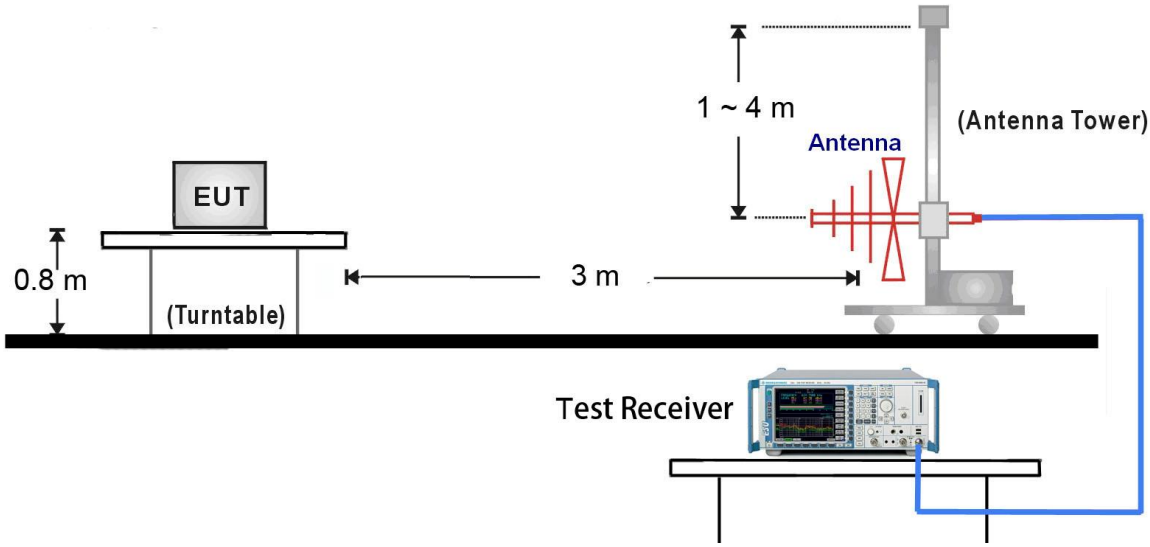
7. Trace was allowed to stabilize

### 7.6.4.Test Setup

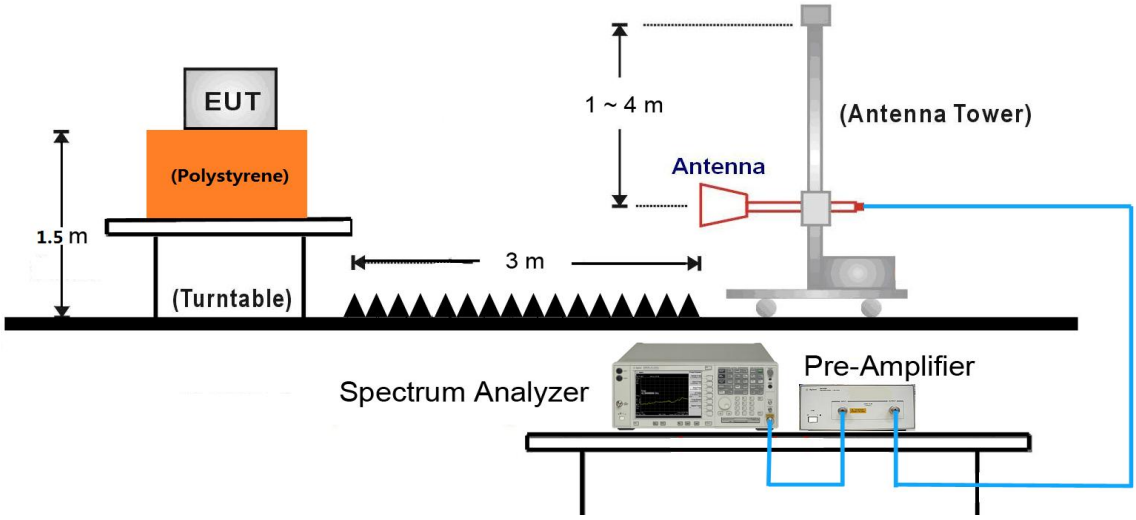
9kHz ~ 30MHz Test Setup:



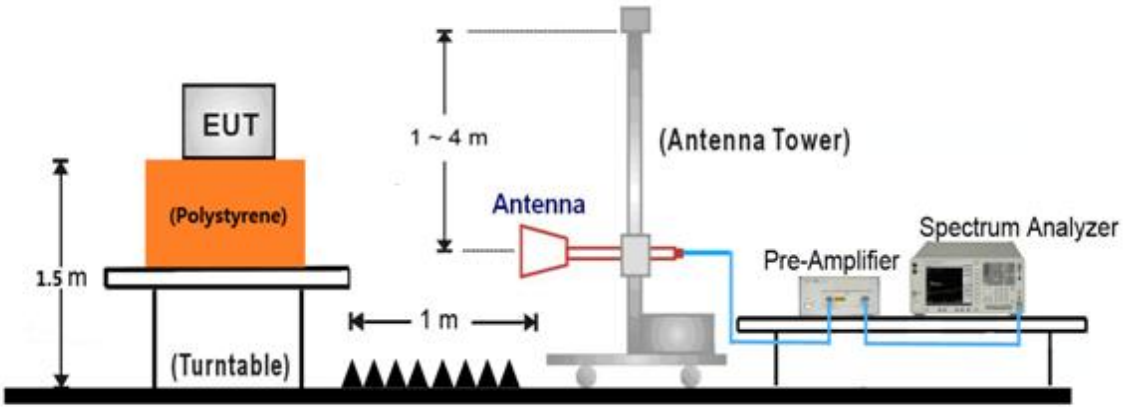

30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:




18GHz ~25GHz Test Setup:




Note: This item was performed with the WIFI antenna connected.

### 7.6.5.Test Result

**For APIN0514 - Omni Antenna (AP-ANT-20W):**

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/23 |
| Test Mode: | 802.11b - Ant 0 + 1 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3788.0 | 41.7 | 0.2 | 41.9 | 54.0 | -12.1 | Peak | Horizontal |
| | 5020.5 | 39.7 | 3.9 | 43.6 | 54.0 | -10.4 | Peak | Horizontal |
| * | 6117.0 | 39.3 | 6.5 | 45.8 | 83.5 | -37.7 | Peak | Horizontal |
| * | 6686.5 | 38.1 | 8.7 | 46.8 | 83.5 | -36.7 | Peak | Horizontal |
| | 3618.0 | 43.9 | 0.0 | 43.9 | 54.0 | -10.1 | Peak | Vertical |
| | 5020.5 | 40.0 | 3.9 | 43.9 | 54.0 | -10.1 | Peak | Vertical |
| * | 6015.0 | 38.8 | 6.1 | 44.9 | 83.5 | -38.6 | Peak | Vertical |
| * | 6499.5 | 37.5 | 8.4 | 45.9 | 83.5 | -37.6 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/23 |
| Test Mode: | 802.11b - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3805.0 | 40.8 | 0.2 | 41.0 | 54.0 | -13.0 | Peak | Horizontal |
| | 4825.0 | 39.3 | 3.7 | 43.0 | 54.0 | -11.0 | Peak | Horizontal |
| * | 6040.5 | 39.4 | 6.2 | 45.6 | 83.3 | -37.7 | Peak | Horizontal |
| * | 6567.5 | 37.9 | 8.6 | 46.5 | 83.3 | -36.8 | Peak | Horizontal |
| | 3652.0 | 43.0 | 0.1 | 43.1 | 54.0 | -10.9 | Peak | Vertical |
| | 4247.0 | 40.7 | 1.3 | 42.0 | 54.0 | -12.0 | Peak | Vertical |
| * | 5862.0 | 38.8 | 5.8 | 44.6 | 83.3 | -38.7 | Peak | Vertical |
| * | 6355.0 | 38.0 | 7.5 | 45.5 | 83.3 | -37.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.3dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/23 |
| Test Mode: | 802.11b - Ant 0 + 1 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3796.5 | 41.2 | 0.2 | 41.4 | 54.0 | -12.6 | Peak | Horizontal |
| | 4009.0 | 42.0 | 0.4 | 42.4 | 54.0 | -11.6 | Peak | Horizontal |
| * | 5734.5 | 38.6 | 5.1 | 43.7 | 83.1 | -39.4 | Peak | Horizontal |
| * | 6499.5 | 38.7 | 8.4 | 47.1 | 83.1 | -36.0 | Peak | Horizontal |
| | 3694.5 | 42.9 | 0.1 | 43.0 | 54.0 | -11.0 | Peak | Vertical |
| | 4927.0 | 40.0 | 3.7 | 43.7 | 54.0 | -10.3 | Peak | Vertical |
| * | 5811.0 | 39.6 | 5.5 | 45.1 | 83.1 | -38.0 | Peak | Vertical |
| * | 6516.5 | 38.3 | 8.5 | 46.8 | 83.1 | -36.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.1dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/23 |
| Test Mode: | 802.11g - Ant 0 + 1 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3762.5 | 41.4 | 0.2 | 41.6 | 54.0 | -12.4 | Peak | Horizontal |
| | 4043.0 | 41.6 | 0.5 | 42.1 | 54.0 | -11.9 | Peak | Horizontal |
| * | 5734.5 | 39.3 | 5.1 | 44.4 | 83.7 | -39.3 | Peak | Horizontal |
| * | 6261.5 | 37.5 | 7.0 | 44.5 | 83.7 | -39.2 | Peak | Horizontal |
| | 3618.0 | 43.8 | 0.0 | 43.8 | 54.0 | -10.2 | Peak | Vertical |
| | 4068.5 | 41.0 | 0.6 | 41.6 | 54.0 | -12.4 | Peak | Vertical |
| * | 5887.5 | 38.6 | 5.9 | 44.5 | 83.7 | -39.2 | Peak | Vertical |
| * | 6499.5 | 37.5 | 8.4 | 45.9 | 83.7 | -37.8 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/23 |
| Test Mode: | 802.11g - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3813.5 | 41.1 | 0.3 | 41.4 | 54.0 | -12.6 | Peak | Horizontal |
| | 4825.0 | 39.5 | 3.7 | 43.2 | 54.0 | -10.8 | Peak | Horizontal |
| * | 5632.5 | 37.2 | 4.6 | 41.8 | 82.7 | -40.9 | Peak | Horizontal |
| * | 5998.0 | 38.3 | 6.1 | 44.4 | 82.7 | -38.3 | Peak | Horizontal |
| | 3652.0 | 42.7 | 0.1 | 42.8 | 54.0 | -11.2 | Peak | Vertical |
| | 3949.5 | 41.5 | 0.3 | 41.8 | 54.0 | -12.2 | Peak | Vertical |
| * | 5828.0 | 38.9 | 5.6 | 44.5 | 82.7 | -38.2 | Peak | Vertical |
| * | 6431.5 | 37.6 | 7.9 | 45.5 | 82.7 | -37.2 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.7BμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/23 |
| Test Mode: | 802.11g - Ant 0 + 1 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 4034.5 | 42.1 | 0.5 | 42.6 | 54.0 | -11.4 | Peak | Horizontal |
| | 4315.0 | 40.1 | 1.6 | 41.7 | 54.0 | -12.3 | Peak | Horizontal |
| * | 5777.0 | 39.1 | 5.3 | 44.4 | 81.8 | -37.4 | Peak | Horizontal |
| * | 6193.5 | 38.1 | 6.8 | 44.9 | 81.8 | -36.9 | Peak | Horizontal |
| | 3694.5 | 43.0 | 0.1 | 43.1 | 54.0 | -10.9 | Peak | Vertical |
| | 4315.0 | 41.4 | 1.6 | 43.0 | 54.0 | -11.0 | Peak | Vertical |
| * | 5785.5 | 38.2 | 5.4 | 43.6 | 81.8 | -38.2 | Peak | Vertical |
| * | 6576.0 | 37.5 | 8.6 | 46.1 | 81.8 | -35.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.8dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/23 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3779.5 | 41.1 | 0.2 | 41.3 | 54.0 | -12.7 | Peak | Horizontal |
| | 4068.5 | 41.1 | 0.6 | 41.7 | 54.0 | -12.3 | Peak | Horizontal |
| * | 5709.0 | 38.5 | 4.9 | 43.4 | 82.5 | -39.1 | Peak | Horizontal |
| * | 6049.0 | 37.9 | 6.2 | 44.1 | 82.5 | -38.4 | Peak | Horizontal |
| | 4026.0 | 41.1 | 0.5 | 41.6 | 54.0 | -12.4 | Peak | Vertical |
| | 4323.5 | 39.5 | 1.7 | 41.2 | 54.0 | -12.8 | Peak | Vertical |
| * | 5768.5 | 39.0 | 5.3 | 44.3 | 82.5 | -38.2 | Peak | Vertical |
| * | 6754.5 | 38.3 | 8.8 | 47.1 | 82.5 | -35.4 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/21 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3822.0 | 41.4 | 0.3 | 41.7 | 54.0 | -12.3 | Peak | Horizontal |
| | 4255.5 | 40.1 | 1.4 | 41.5 | 54.0 | -12.5 | Peak | Horizontal |
| * | 5896.0 | 37.8 | 5.9 | 43.7 | 82.5 | -38.8 | Peak | Horizontal |
| * | 6491.0 | 38.0 | 8.3 | 46.3 | 82.5 | -36.2 | Peak | Horizontal |
| | 3652.0 | 41.9 | 0.1 | 42.0 | 54.0 | -12.0 | Peak | Vertical |
| | 4026.0 | 41.1 | 0.5 | 41.6 | 54.0 | -12.4 | Peak | Vertical |
| * | 5870.5 | 37.9 | 5.8 | 43.7 | 82.5 | -38.8 | Peak | Vertical |
| * | 6652.5 | 37.4 | 8.7 | 46.1 | 82.5 | -36.4 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/23 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3830.5 | 41.0 | 0.3 | 41.3 | 54.0 | -12.7 | Peak | Horizontal |
| | 4111.0 | 41.4 | 0.8 | 42.2 | 54.0 | -11.8 | Peak | Horizontal |
| * | 5768.5 | 38.5 | 5.3 | 43.8 | 82.5 | -38.7 | Peak | Horizontal |
| * | 6083.0 | 37.9 | 6.4 | 44.3 | 82.5 | -38.2 | Peak | Horizontal |
| | 3694.5 | 43.0 | 0.1 | 43.1 | 54.0 | -10.9 | Peak | Vertical |
| | 4136.5 | 41.1 | 0.9 | 42.0 | 54.0 | -12.0 | Peak | Vertical |
| * | 6040.5 | 38.4 | 6.2 | 44.6 | 82.5 | -37.9 | Peak | Vertical |
| * | 6856.5 | 38.6 | 9.5 | 48.1 | 82.5 | -34.4 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/23 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1 | Test Channel: | 03 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3686.0 | 40.4 | 0.1 | 40.5 | 54.0 | -13.5 | Peak | Horizontal |
| | 4009.0 | 41.6 | 0.4 | 42.0 | 54.0 | -12.0 | Peak | Horizontal |
| * | 5794.0 | 38.7 | 5.4 | 44.1 | 79.7 | -35.6 | Peak | Horizontal |
| * | 6015.0 | 38.7 | 6.1 | 44.8 | 79.7 | -34.9 | Peak | Horizontal |
| | 4034.5 | 40.7 | 0.5 | 41.2 | 54.0 | -12.8 | Peak | Vertical |
| | 4340.5 | 40.3 | 1.8 | 42.1 | 54.0 | -11.9 | Peak | Vertical |
| * | 5692.0 | 38.6 | 4.8 | 43.4 | 79.7 | -36.3 | Peak | Vertical |
| * | 6380.5 | 37.7 | 7.6 | 45.3 | 79.7 | -34.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (109.7dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/23 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3686.0 | 41.4 | 0.1 | 41.5 | 54.0 | -12.5 | Peak | Horizontal |
| | 4859.0 | 39.3 | 3.7 | 43.0 | 54.0 | -11.0 | Peak | Horizontal |
| * | 5768.5 | 38.8 | 5.3 | 44.1 | 79.3 | -35.2 | Peak | Horizontal |
| * | 6542.0 | 37.7 | 8.6 | 46.3 | 79.3 | -33.0 | Peak | Horizontal |
| | 3652.0 | 43.0 | 0.1 | 43.1 | 54.0 | -10.9 | Peak | Vertical |
| | 3830.5 | 41.8 | 0.3 | 42.1 | 54.0 | -11.9 | Peak | Vertical |
| * | 6040.5 | 38.4 | 6.2 | 44.6 | 79.3 | -34.7 | Peak | Vertical |
| * | 6559.0 | 38.1 | 8.6 | 46.7 | 79.3 | -32.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (109.3dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/23 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1 | Test Channel: | 09 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3643.5 | 40.6 | 0.0 | 40.6 | 54.0 | -13.4 | Peak | Horizontal |
| | 3873.0 | 41.1 | 0.3 | 41.4 | 54.0 | -12.6 | Peak | Horizontal |
| * | 5573.0 | 38.3 | 4.5 | 42.8 | 78.8 | -36.0 | Peak | Horizontal |
| * | 6329.5 | 37.5 | 7.3 | 44.8 | 78.8 | -34.0 | Peak | Horizontal |
| | 3677.5 | 42.8 | 0.1 | 42.9 | 54.0 | -11.1 | Peak | Vertical |
| | 4000.5 | 40.7 | 0.4 | 41.1 | 54.0 | -12.9 | Peak | Vertical |
| * | 6253.0 | 38.5 | 7.0 | 45.5 | 78.8 | -33.3 | Peak | Vertical |
| * | 6457.0 | 38.3 | 8.1 | 46.4 | 78.8 | -32.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (108.8dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/23 |
| Test Mode: | 802.11ax-HE20 - Ant 0 + 1 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3677.5 | 40.8 | 0.1 | 40.9 | 54.0 | -13.1 | Peak | Horizontal |
| | 4034.5 | 40.5 | 0.5 | 41.0 | 54.0 | -13.0 | Peak | Horizontal |
| * | 5853.5 | 37.8 | 5.7 | 43.5 | 84.4 | -40.9 | Peak | Horizontal |
| * | 6236.0 | 38.1 | 6.9 | 45.0 | 84.4 | -39.4 | Peak | Horizontal |
| | 4000.5 | 41.7 | 0.4 | 42.1 | 54.0 | -11.9 | Peak | Vertical |
| | 4306.5 | 40.5 | 1.6 | 42.1 | 54.0 | -11.9 | Peak | Vertical |
| * | 5743.0 | 38.3 | 5.1 | 43.4 | 84.4 | -41.0 | Peak | Vertical |
| * | 6559.0 | 38.3 | 8.6 | 46.9 | 84.4 | -37.5 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/23 |
| Test Mode: | 802.11ax-HE20 - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3652.0 | 41.8 | 0.1 | 41.9 | 54.0 | -12.1 | Peak | Horizontal |
| | 3830.5 | 41.8 | 0.3 | 42.1 | 54.0 | -11.9 | Peak | Horizontal |
| * | 5828.0 | 38.2 | 5.6 | 43.8 | 83.3 | -39.5 | Peak | Horizontal |
| * | 6244.5 | 38.4 | 7.0 | 45.4 | 83.3 | -37.9 | Peak | Horizontal |
| | 3652.0 | 41.9 | 0.1 | 42.0 | 54.0 | -12.0 | Peak | Vertical |
| | 4145.0 | 40.2 | 0.9 | 41.1 | 54.0 | -12.9 | Peak | Vertical |
| * | 5845.0 | 38.2 | 5.7 | 43.9 | 83.3 | -39.4 | Peak | Vertical |
| * | 6253.0 | 37.6 | 7.0 | 44.6 | 83.3 | -38.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.3dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/23 |
| Test Mode: | 802.11ax-HE20 - Ant 0 + 1 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3839.0 | 41.2 | 0.3 | 41.5 | 54.0 | -12.5 | Peak | Horizontal |
| | 4094.0 | 40.7 | 0.7 | 41.4 | 54.0 | -12.6 | Peak | Horizontal |
| * | 5913.0 | 38.0 | 5.9 | 43.9 | 82.3 | -38.4 | Peak | Horizontal |
| * | 6576.0 | 37.2 | 8.6 | 45.8 | 82.3 | -36.5 | Peak | Horizontal |
| | 3694.5 | 42.0 | 0.1 | 42.1 | 54.0 | -11.9 | Peak | Vertical |
| | 4000.5 | 40.7 | 0.4 | 41.1 | 54.0 | -12.9 | Peak | Vertical |
| * | 5794.0 | 37.8 | 5.4 | 43.2 | 82.3 | -39.1 | Peak | Vertical |
| * | 6321.0 | 37.9 | 7.3 | 45.2 | 82.3 | -37.1 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/23 |
| Test Mode: | 802.11ax-HE40 - Ant 0 + 1 | Test Channel: | 03 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3652.0 | 40.8 | 0.1 | 40.9 | 54.0 | -13.1 | Peak | Horizontal |
| | 4221.5 | 40.3 | 1.2 | 41.5 | 54.0 | -12.5 | Peak | Horizontal |
| * | 5768.5 | 38.3 | 5.3 | 43.6 | 81.7 | -38.1 | Peak | Horizontal |
| * | 6516.5 | 37.4 | 8.5 | 45.9 | 81.7 | -35.8 | Peak | Horizontal |
| | 3635.0 | 41.3 | 0.0 | 41.3 | 54.0 | -12.7 | Peak | Vertical |
| | 4026.0 | 40.5 | 0.5 | 41.0 | 54.0 | -13.0 | Peak | Vertical |
| * | 5811.0 | 37.9 | 5.5 | 43.4 | 81.7 | -38.3 | Peak | Vertical |
| * | 6567.5 | 37.5 | 8.6 | 46.1 | 81.7 | -35.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.7dBµV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/23 |
| Test Mode: | 802.11ax-HE40 - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3771.0 | 40.5 | 0.2 | 40.7 | 54.0 | -13.3 | Peak | Horizontal |
| | 4247.0 | 40.5 | 1.3 | 41.8 | 54.0 | -12.2 | Peak | Horizontal |
| * | 5692.0 | 38.3 | 4.8 | 43.1 | 81.4 | -38.3 | Peak | Horizontal |
| * | 6610.0 | 37.4 | 8.7 | 46.1 | 81.4 | -35.3 | Peak | Horizontal |
| | 3652.0 | 41.2 | 0.1 | 41.3 | 54.0 | -12.7 | Peak | Vertical |
| | 4315.0 | 40.9 | 1.6 | 42.5 | 54.0 | -11.5 | Peak | Vertical |
| * | 5743.0 | 38.0 | 5.1 | 43.1 | 81.4 | -38.3 | Peak | Vertical |
| * | 5998.0 | 38.3 | 6.1 | 44.4 | 81.4 | -37.0 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/23 |
| Test Mode: | 802.11ax-HE40 - Ant 0 + 1 | Test Channel: | 09 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3762.5 | 40.7 | 0.2 | 40.9 | 54.0 | -13.1 | Peak | Horizontal |
| | 4026.0 | 41.4 | 0.5 | 41.9 | 54.0 | -12.1 | Peak | Horizontal |
| * | 6261.5 | 38.3 | 7.0 | 45.3 | 81.2 | -35.9 | Peak | Horizontal |
| * | 6635.5 | 37.4 | 8.7 | 46.1 | 81.2 | -35.1 | Peak | Horizontal |
| | 3677.5 | 42.5 | 0.1 | 42.6 | 54.0 | -11.4 | Peak | Vertical |
| | 4213.0 | 40.2 | 1.2 | 41.4 | 54.0 | -12.6 | Peak | Vertical |
| * | 5836.5 | 38.5 | 5.7 | 44.2 | 81.2 | -37.0 | Peak | Vertical |
| * | 6508.0 | 37.7 | 8.4 | 46.1 | 81.2 | -35.1 | Peak | Vertical |

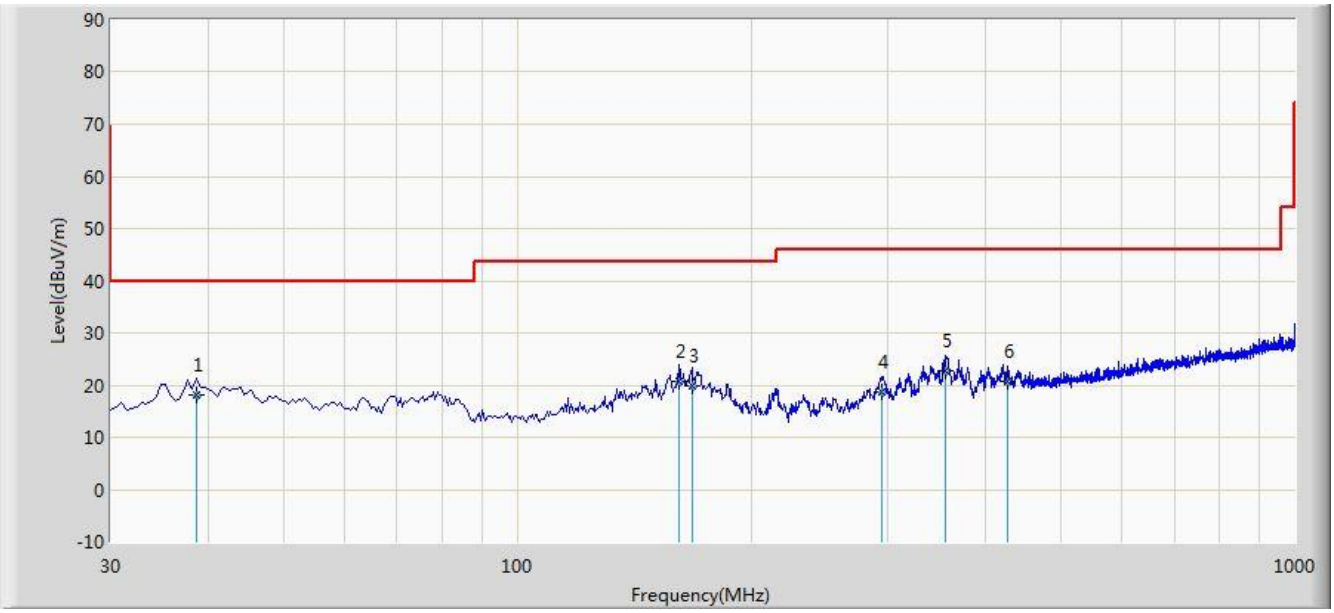
Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.2dBμV/m) or 15.209 which is higher.

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

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

**The Worst Case of Radiated Emission below 1GHz:**

| | |
|---|---|
| Site: AC1 | Time: 2018/06/27 - 19:49 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: VULB 9168_20-2000MHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| **Test Mode: There is the worst case within frequency range 30MHz~1GHz.** | |



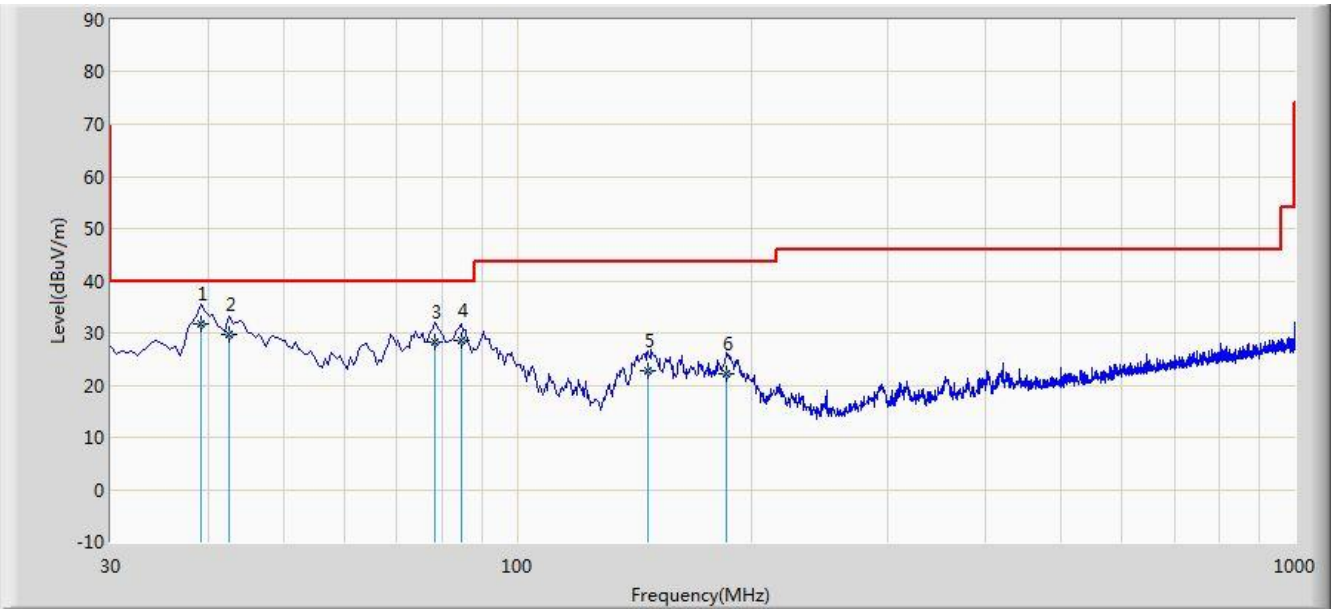

| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 38.730 | 18.022 | 4.392 | -21.978 | 40.000 | 13.630 | QP |
| 2 | | | 161.435 | 20.756 | 10.738 | -22.744 | 43.500 | 10.018 | QP |
| 3 | | | 167.740 | 19.904 | 9.624 | -23.596 | 43.500 | 10.280 | QP |
| 4 | | | 293.840 | 18.688 | 4.072 | -27.312 | 46.000 | 14.616 | QP |
| 5 | | | 354.950 | 22.651 | 6.527 | -23.349 | 46.000 | 16.125 | QP |
| 6 | | | 428.185 | 20.769 | 3.428 | -25.231 | 46.000 | 17.341 | QP |

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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: 2018/06/27 - 19:51 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: VULB 9168_20-2000MHz | Polarity: Vertical |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| **Test Mode: 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 | | * | 39.215 | 31.857 | 18.134 | -8.143 | 40.000 | 13.723 | QP |
| 2 | | | 42.610 | 29.801 | 15.427 | -10.199 | 40.000 | 14.374 | QP |
| 3 | | | 78.500 | 28.165 | 18.934 | -11.835 | 40.000 | 9.232 | QP |
| 4 | | | 84.805 | 28.424 | 18.306 | -11.576 | 40.000 | 10.118 | QP |
| 5 | | | 147.370 | 22.846 | 13.276 | -20.654 | 43.500 | 9.570 | QP |
| 6 | | | 186.170 | 22.315 | 10.726 | -21.185 | 43.500 | 11.589 | QP |

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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.

**For APIN0514 - Omni Antenna (AP-ANT-40):**

| | | | |
|---|---|---|---|
| Product | ACCESS POINT | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/29 |
| Test Mode: | 802.11b - Ant 0 + 1 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3660.5 | 41.2 | 0.1 | 41.3 | 54.0 | -12.7 | Peak | Horizontal |
| | 4349.0 | 39.6 | 1.8 | 41.4 | 54.0 | -12.6 | Peak | Horizontal |
| * | 5760.0 | 38.7 | 5.2 | 43.9 | 82.8 | -38.9 | Peak | Horizontal |
| * | 6542.0 | 38.2 | 8.6 | 46.8 | 82.8 | -36.0 | Peak | Horizontal |
| | 3728.5 | 39.5 | 0.2 | 39.7 | 54.0 | -14.3 | Peak | Vertical |
| | 4162.0 | 40.3 | 1.0 | 41.3 | 54.0 | -12.7 | Peak | Vertical |
| * | 5666.5 | 38.8 | 4.7 | 43.5 | 82.8 | -39.3 | Peak | Vertical |
| * | 5989.5 | 39.5 | 6.1 | 45.6 | 82.8 | -37.2 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.8dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/29 |
| Test Mode: | 802.11b - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3762.5 | 41.8 | 0.2 | 42.0 | 54.0 | -12.0 | Peak | Horizontal |
| | 4306.5 | 39.8 | 1.6 | 41.4 | 54.0 | -12.6 | Peak | Horizontal |
| * | 5649.5 | 38.6 | 4.7 | 43.3 | 82.8 | -39.5 | Peak | Horizontal |
| * | 6542.0 | 37.7 | 8.6 | 46.3 | 82.8 | -36.5 | Peak | Horizontal |
| | 3652.0 | 41.8 | 0.1 | 41.9 | 54.0 | -12.1 | Peak | Vertical |
| | 4145.0 | 39.9 | 0.9 | 40.8 | 54.0 | -13.2 | Peak | Vertical |
| * | 5709.0 | 38.5 | 4.9 | 43.4 | 82.8 | -39.4 | Peak | Vertical |
| * | 6584.5 | 37.6 | 8.6 | 46.2 | 82.8 | -36.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (112.8dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/29 |
| Test Mode: | 802.11b - Ant 0 + 1 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3694.5 | 41.2 | 0.1 | 41.3 | 54.0 | -12.7 | Peak | Horizontal |
| | 4051.5 | 40.5 | 0.5 | 41.0 | 54.0 | -13.0 | Peak | Horizontal |
| * | 5564.5 | 38.7 | 4.5 | 43.2 | 82.5 | -39.3 | Peak | Horizontal |
| * | 6542.0 | 36.4 | 8.6 | 45.0 | 82.5 | -37.5 | Peak | Horizontal |
| | 3694.5 | 41.4 | 0.1 | 41.5 | 54.0 | -12.5 | Peak | Vertical |
| | 4315.0 | 40.4 | 1.6 | 42.0 | 54.0 | -12.0 | Peak | Vertical |
| * | 5726.0 | 38.7 | 5.0 | 43.7 | 82.5 | -38.8 | Peak | Vertical |
| * | 6559.0 | 37.3 | 8.6 | 45.9 | 82.5 | -36.6 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/29 |
| Test Mode: | 802.11g - Ant 0 + 1 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3711.5 | 41.6 | 0.1 | 41.7 | 54.0 | -12.3 | Peak | Horizontal |
| | 4306.5 | 40.4 | 1.6 | 42.0 | 54.0 | -12.0 | Peak | Horizontal |
| * | 5590.0 | 38.8 | 4.5 | 43.3 | 82.5 | -39.2 | Peak | Horizontal |
| * | 6533.5 | 37.7 | 8.5 | 46.2 | 82.5 | -36.3 | Peak | Horizontal |
| | 3788.0 | 40.0 | 0.2 | 40.2 | 54.0 | -13.8 | Peak | Vertical |
| | 4289.5 | 40.2 | 1.5 | 41.7 | 54.0 | -12.3 | Peak | Vertical |
| * | 5998.0 | 37.8 | 6.1 | 43.9 | 82.5 | -38.6 | Peak | Vertical |
| * | 6508.0 | 37.3 | 8.4 | 45.7 | 82.5 | -36.8 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/29 |
| Test Mode: | 802.11g - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3643.5 | 41.8 | 0.0 | 41.8 | 54.0 | -12.2 | Peak | Horizontal |
| | 4374.5 | 39.2 | 1.9 | 41.1 | 54.0 | -12.9 | Peak | Horizontal |
| * | 5862.0 | 38.2 | 5.8 | 44.0 | 85.3 | -41.3 | Peak | Horizontal |
| * | 6516.5 | 38.0 | 8.5 | 46.5 | 85.3 | -38.8 | Peak | Horizontal |
| | 3643.5 | 40.6 | 0.0 | 40.6 | 54.0 | -13.4 | Peak | Vertical |
| | 4247.0 | 39.8 | 1.3 | 41.1 | 54.0 | -12.9 | Peak | Vertical |
| * | 5819.5 | 38.2 | 5.6 | 43.8 | 85.3 | -41.5 | Peak | Vertical |
| * | 6550.5 | 36.8 | 8.6 | 45.4 | 85.3 | -39.9 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (115.3BμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/29 |
| Test Mode: | 802.11g - Ant 0 + 1 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3669 | 40.2 | 0.1 | 40.3 | 54.0 | -13.7 | Peak | Horizontal |
| | 4051.5 | 42 | 0.5 | 42.5 | 54.0 | -11.5 | Peak | Horizontal |
| * | 5641 | 38.9 | 4.6 | 43.5 | 82.8 | -39.3 | Peak | Horizontal |
| * | 6873.5 | 36.8 | 9.6 | 46.4 | 82.8 | -36.4 | Peak | Horizontal |
| | 3694.5 | 41.3 | 0.1 | 41.4 | 54.0 | -12.6 | Peak | Vertical |
| | 4119.5 | 40.3 | 0.8 | 41.1 | 54.0 | -12.9 | Peak | Vertical |
| * | 5862 | 37.1 | 5.8 | 42.9 | 82.8 | -39.9 | Peak | Vertical |
| * | 6567.5 | 37.1 | 8.6 | 45.7 | 82.8 | -37.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (112.8dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/29 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3728.5 | 40.2 | 0.2 | 40.4 | 54.0 | -13.6 | Peak | Horizontal |
| | 4102.5 | 40.4 | 0.7 | 41.1 | 54.0 | -12.9 | Peak | Horizontal |
| * | 5811.0 | 38.2 | 5.5 | 43.7 | 81.8 | -38.1 | Peak | Horizontal |
| * | 6474.0 | 37.7 | 8.2 | 45.9 | 81.8 | -35.9 | Peak | Horizontal |
| | 3813.5 | 40.1 | 0.3 | 40.4 | 54.0 | -13.6 | Peak | Vertical |
| | 4230.0 | 40.1 | 1.3 | 41.4 | 54.0 | -12.6 | Peak | Vertical |
| * | 5641.0 | 38.3 | 4.6 | 42.9 | 81.8 | -38.9 | Peak | Vertical |
| * | 6516.5 | 37.4 | 8.5 | 45.9 | 81.8 | -35.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.8dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/29 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3652.0 | 40.5 | 0.1 | 40.6 | 54.0 | -13.4 | Peak | Horizontal |
| | 3915.5 | 41.3 | 0.3 | 41.6 | 54.0 | -12.4 | Peak | Horizontal |
| * | 5760.0 | 38.7 | 5.2 | 43.9 | 84.8 | -40.9 | Peak | Horizontal |
| * | 6491.0 | 37.4 | 8.3 | 45.7 | 84.8 | -39.1 | Peak | Horizontal |
| | 4043.0 | 41.3 | 0.5 | 41.8 | 54.0 | -12.2 | Peak | Vertical |
| | 4646.5 | 38.7 | 3.4 | 42.1 | 54.0 | -11.9 | Peak | Vertical |
| * | 5989.5 | 38.5 | 6.1 | 44.6 | 84.8 | -40.2 | Peak | Vertical |
| * | 6601.5 | 37.0 | 8.7 | 45.7 | 84.8 | -39.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (114.8dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/29 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3762.5 | 40.3 | 0.2 | 40.5 | 54.0 | -13.5 | Peak | Horizontal |
| | 4068.5 | 40.4 | 0.6 | 41.0 | 54.0 | -13.0 | Peak | Horizontal |
| * | 5760.0 | 37.7 | 5.2 | 42.9 | 81.5 | -38.6 | Peak | Horizontal |
| * | 6618.5 | 37.4 | 8.7 | 46.1 | 81.5 | -35.4 | Peak | Horizontal |
| | 3694.5 | 42.3 | 0.1 | 42.4 | 54.0 | -11.6 | Peak | Vertical |
| | 4230.0 | 40.2 | 1.3 | 41.5 | 54.0 | -12.5 | Peak | Vertical |
| * | 5972.5 | 37.9 | 6.1 | 44.0 | 81.5 | -37.5 | Peak | Vertical |
| * | 6499.5 | 37.0 | 8.4 | 45.4 | 81.5 | -36.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.5dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/29 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1 | Test Channel: | 03 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3660.5 | 40.2 | 0.1 | 40.3 | 54.0 | -13.7 | Peak | Horizontal |
| | 3983.5 | 40.7 | 0.4 | 41.1 | 54.0 | -12.9 | Peak | Horizontal |
| * | 5760.0 | 38.4 | 5.2 | 43.6 | 79.5 | -35.9 | Peak | Horizontal |
| * | 6312.5 | 37.6 | 7.2 | 44.8 | 79.5 | -34.7 | Peak | Horizontal |
| | 4000.5 | 40.9 | 0.4 | 41.3 | 54.0 | -12.7 | Peak | Vertical |
| | 4255.5 | 39.4 | 1.4 | 40.8 | 54.0 | -13.2 | Peak | Vertical |
| * | 5981.0 | 38.0 | 6.1 | 44.1 | 79.5 | -35.4 | Peak | Vertical |
| * | 6525.0 | 37.0 | 8.5 | 45.5 | 79.5 | -34.0 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/29 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3873.0 | 40.1 | 0.3 | 40.4 | 54.0 | -13.6 | Peak | Horizontal |
| | 4060.0 | 40.1 | 0.6 | 40.7 | 54.0 | -13.3 | Peak | Horizontal |
| * | 5794.0 | 38.0 | 5.4 | 43.4 | 75.9 | -32.5 | Peak | Horizontal |
| * | 6584.5 | 36.9 | 8.6 | 45.5 | 75.9 | -30.4 | Peak | Horizontal |
| | 3813.5 | 39.9 | 0.3 | 40.2 | 54.0 | -13.8 | Peak | Vertical |
| | 4145.0 | 39.6 | 0.9 | 40.5 | 54.0 | -13.5 | Peak | Vertical |
| * | 5836.5 | 38.4 | 5.7 | 44.1 | 75.9 | -31.8 | Peak | Vertical |
| * | 6618.5 | 37.5 | 8.7 | 46.2 | 75.9 | -29.7 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (105.9dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/29 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1 | Test Channel: | 09 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3949.5 | 40.3 | 0.3 | 40.6 | 54.0 | -13.4 | Peak | Horizontal |
| | 4349.0 | 39.1 | 1.8 | 40.9 | 54.0 | -13.1 | Peak | Horizontal |
| * | 5675.0 | 38.4 | 4.8 | 43.2 | 75.0 | -31.8 | Peak | Horizontal |
| * | 6550.5 | 37.3 | 8.6 | 45.9 | 75.0 | -29.1 | Peak | Horizontal |
| | 3983.5 | 40.5 | 0.4 | 40.9 | 54.0 | -13.1 | Peak | Vertical |
| | 4289.5 | 40.4 | 1.5 | 41.9 | 54.0 | -12.1 | Peak | Vertical |
| * | 5938.5 | 38.1 | 6.0 | 44.1 | 75.0 | -30.9 | Peak | Vertical |
| * | 6491.0 | 37.4 | 8.3 | 45.7 | 75.0 | -29.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (105.0dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/29 |
| Test Mode: | 802.11ax-HE20 - Ant 0 + 1 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3924.0 | 40.0 | 0.3 | 40.3 | 54.0 | -13.7 | Peak | Horizontal |
| | 4281.0 | 39.1 | 1.5 | 40.6 | 54.0 | -13.4 | Peak | Horizontal |
| * | 6006.5 | 37.5 | 6.1 | 43.6 | 79.4 | -35.8 | Peak | Horizontal |
| * | 6550.5 | 37.4 | 8.6 | 46.0 | 79.4 | -33.4 | Peak | Horizontal |
| | 4043.0 | 40.9 | 0.5 | 41.4 | 54.0 | -12.6 | Peak | Vertical |
| | 4238.5 | 39.7 | 1.3 | 41.0 | 54.0 | -13.0 | Peak | Vertical |
| * | 5751.5 | 38.2 | 5.2 | 43.4 | 79.4 | -36.0 | Peak | Vertical |
| * | 6542.0 | 37.3 | 8.6 | 45.9 | 79.4 | -33.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (109.4dBµV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/29 |
| Test Mode: | 802.11ax-HE20 - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3796.5 | 39.9 | 0.2 | 40.1 | 54.0 | -13.9 | Peak | Horizontal |
| | 4136.5 | 40.1 | 0.9 | 41.0 | 54.0 | -13.0 | Peak | Horizontal |
| * | 5913.0 | 38.5 | 5.9 | 44.4 | 81.5 | -37.1 | Peak | Horizontal |
| * | 6440.0 | 37.2 | 8.0 | 45.2 | 81.5 | -36.3 | Peak | Horizontal |
| | 3754.0 | 39.9 | 0.2 | 40.1 | 54.0 | -13.9 | Peak | Vertical |
| | 4043.0 | 40.7 | 0.5 | 41.2 | 54.0 | -12.8 | Peak | Vertical |
| * | 5598.5 | 38.3 | 4.5 | 42.8 | 81.5 | -38.7 | Peak | Vertical |
| * | 6576.0 | 36.6 | 8.6 | 45.2 | 81.5 | -36.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.5dBµV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/29 |
| Test Mode: | 802.11ax-HE20 - Ant 0 + 1 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3694.5 | 40.2 | 0.1 | 40.3 | 54.0 | -13.7 | Peak | Horizontal |
| | 4272.5 | 39.7 | 1.5 | 41.2 | 54.0 | -12.8 | Peak | Horizontal |
| * | 5904.5 | 37.4 | 5.9 | 43.3 | 78.1 | -34.8 | Peak | Horizontal |
| * | 6533.5 | 36.6 | 8.5 | 45.1 | 78.1 | -33.0 | Peak | Horizontal |
| | 3694.5 | 40.1 | 0.1 | 40.2 | 54.0 | -13.8 | Peak | Vertical |
| | 4153.5 | 39.7 | 0.9 | 40.6 | 54.0 | -13.4 | Peak | Vertical |
| * | 5751.5 | 38.0 | 5.2 | 43.2 | 78.1 | -34.9 | Peak | Vertical |
| * | 6533.5 | 37.2 | 8.5 | 45.7 | 78.1 | -32.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (108.1dBµV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/29 |
| Test Mode: | 802.11ax-HE40 - Ant 0 + 1 | Test Channel: | 03 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 4026.0 | 40.7 | 0.5 | 41.2 | 54.0 | -12.8 | Peak | Horizontal |
| | 4264.0 | 39.4 | 1.4 | 40.8 | 54.0 | -13.2 | Peak | Horizontal |
| * | 5768.5 | 37.7 | 5.3 | 43.0 | 78.0 | -35.0 | Peak | Horizontal |
| * | 6559.0 | 37.3 | 8.6 | 45.9 | 78.0 | -32.1 | Peak | Horizontal |
| | 3839.0 | 39.8 | 0.3 | 40.1 | 54.0 | -13.9 | Peak | Vertical |
| | 4026.0 | 41.2 | 0.5 | 41.7 | 54.0 | -12.3 | Peak | Vertical |
| * | 5828.0 | 37.5 | 5.6 | 43.1 | 78.0 | -34.9 | Peak | Vertical |
| * | 6499.5 | 37.4 | 8.4 | 45.8 | 78.0 | -32.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (108.0dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/29 |
| Test Mode: | 802.11ax-HE40 - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3873.0 | 39.9 | 0.3 | 40.2 | 54.0 | -13.8 | Peak | Horizontal |
| | 4060.0 | 40.7 | 0.6 | 41.3 | 54.0 | -12.7 | Peak | Horizontal |
| * | 5751.5 | 37.9 | 5.2 | 43.1 | 78.4 | -35.3 | Peak | Horizontal |
| * | 6499.5 | 37.1 | 8.4 | 45.5 | 78.4 | -32.9 | Peak | Horizontal |
| | 3728.5 | 39.7 | 0.2 | 39.9 | 54.0 | -14.1 | Peak | Vertical |
| | 4153.5 | 39.9 | 0.9 | 40.8 | 54.0 | -13.2 | Peak | Vertical |
| * | 5964.0 | 37.4 | 6.1 | 43.5 | 78.4 | -34.9 | Peak | Vertical |
| * | 6610.0 | 37.3 | 8.7 | 46.0 | 78.4 | -32.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (108.4dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/29 |
| Test Mode: | 802.11ax-HE40 - Ant 0 + 1 | Test Channel: | 09 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3796.5 | 39.7 | 0.2 | 39.9 | 54.0 | -14.1 | Peak | Horizontal |
| | 4119.5 | 39.4 | 0.8 | 40.2 | 54.0 | -13.8 | Peak | Horizontal |
| * | 5751.5 | 38.0 | 5.2 | 43.2 | 76.7 | -33.5 | Peak | Horizontal |
| * | 6491.0 | 36.6 | 8.3 | 44.9 | 76.7 | -31.8 | Peak | Horizontal |
| | 3677.5 | 41.7 | 0.1 | 41.8 | 54.0 | -12.2 | Peak | Vertical |
| | 4085.5 | 41.1 | 0.7 | 41.8 | 54.0 | -12.2 | Peak | Vertical |
| * | 5726.0 | 37.7 | 5.0 | 42.7 | 76.7 | -34.0 | Peak | Vertical |
| * | 6533.5 | 36.9 | 8.5 | 45.4 | 76.7 | -31.3 | Peak | Vertical |

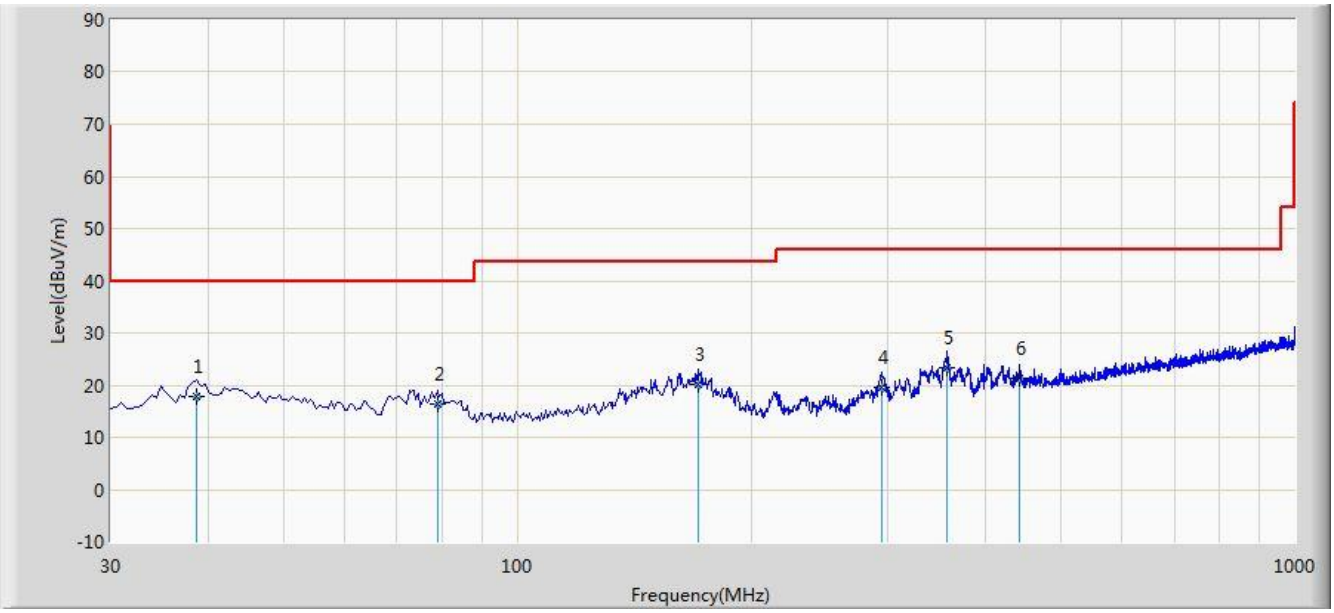
Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (106.7dBμV/m) or 15.209 which is higher.

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

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

**The Worst Case of Radiated Emission below 1GHz:**

| | |
|---|---|
| Site: AC1 | Time: 2018/06/27 - 19:52 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: VULB 9168_20-2000MHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| **Test Mode: There is the worst case within frequency range 30MHz~1GHz.** | |



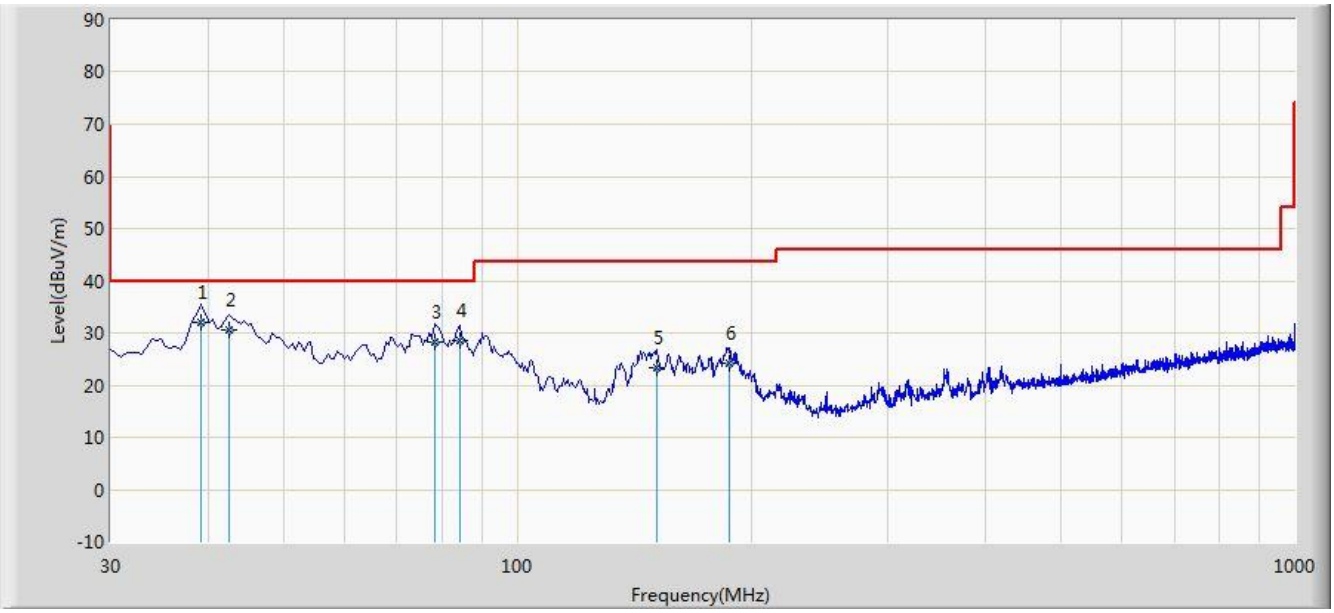

| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 38.730 | 17.827 | 4.197 | -22.173 | 40.000 | 13.630 | QP |
| 2 | | | 78.985 | 16.330 | 7.031 | -23.670 | 40.000 | 9.299 | QP |
| 3 | | | 170.650 | 20.052 | 9.634 | -23.448 | 43.500 | 10.418 | QP |
| 4 | | | 293.840 | 19.518 | 4.902 | -26.482 | 46.000 | 14.616 | QP |
| 5 | | | 356.890 | 23.457 | 7.302 | -22.543 | 46.000 | 16.156 | QP |
| 6 | | | 442.250 | 21.251 | 3.724 | -24.749 | 46.000 | 17.527 | QP |

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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: 2018/06/27 - 19:53 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: VULB 9168_20-2000MHz | Polarity: Vertical |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| **Test Mode: 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 | | * | 39.215 | 32.150 | 18.427 | -7.850 | 40.000 | 13.723 | QP |
| 2 | | | 42.610 | 30.456 | 16.082 | -9.544 | 40.000 | 14.374 | QP |
| 3 | | | 78.500 | 28.168 | 18.937 | -11.832 | 40.000 | 9.232 | QP |
| 4 | | | 84.320 | 28.574 | 18.524 | -11.426 | 40.000 | 10.050 | QP |
| 5 | | | 151.250 | 23.466 | 13.827 | -20.034 | 43.500 | 9.638 | QP |
| 6 | | | 187.625 | 24.103 | 12.382 | -19.397 | 43.500 | 11.722 | QP |

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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.

**For APIN0514 - Directional Antenna (AP-ANT-48):**

| | | | |
|---|---|---|---|
| Product | ACCESS POINT | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/28 |
| Test Mode: | 802.11b - Ant 0 + 1 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3992.0 | 41.2 | 0.4 | 41.6 | 54.0 | -12.4 | Peak | Horizontal |
| | 4893.0 | 41.2 | 3.7 | 44.9 | 54.0 | -9.1 | Peak | Horizontal |
| * | 7120.0 | 36.8 | 11.6 | 48.4 | 82.9 | -34.5 | Peak | Horizontal |
| * | 9967.5 | 36.0 | 15.3 | 51.3 | 82.9 | -31.6 | Peak | Horizontal |
| | 3864.5 | 41.7 | 0.3 | 42.0 | 54.0 | -12.0 | Peak | Vertical |
| | 4842.0 | 38.8 | 3.7 | 42.5 | 54.0 | -11.5 | Peak | Vertical |
| * | 6533.5 | 37.3 | 8.5 | 45.8 | 82.9 | -37.1 | Peak | Vertical |
| * | 10044.0 | 36.5 | 15.5 | 52.0 | 82.9 | -30.9 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/28 |
| Test Mode: | 802.11b - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 4255.5 | 41.3 | 1.4 | 42.7 | 54.0 | -11.3 | Peak | Horizontal |
| | 4833.5 | 38.0 | 3.7 | 41.7 | 54.0 | -12.3 | Peak | Horizontal |
| * | 6508.0 | 36.8 | 8.4 | 45.2 | 81.2 | -36.0 | Peak | Horizontal |
| * | 10520.0 | 35.6 | 17.2 | 52.8 | 81.2 | -28.4 | Peak | Horizontal |
| | 3830.5 | 41.8 | 0.3 | 42.1 | 54.0 | -11.9 | Peak | Vertical |
| | 5122.5 | 40.4 | 4.2 | 44.6 | 54.0 | -9.4 | Peak | Vertical |
| * | 6839.5 | 37.3 | 9.3 | 46.6 | 81.2 | -34.6 | Peak | Vertical |
| * | 10214.0 | 35.5 | 16.3 | 51.8 | 81.2 | -29.4 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/28 |
| Test Mode: | 802.11b - Ant 0 + 1 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3694.5 | 43.9 | 0.1 | 44.0 | 54.0 | -10.0 | Peak | Horizontal |
| | 4842.0 | 38.4 | 3.7 | 42.1 | 54.0 | -11.9 | Peak | Horizontal |
| * | 6610.0 | 37.7 | 8.7 | 46.4 | 78.0 | -31.6 | Peak | Horizontal |
| * | 10095.0 | 34.4 | 15.7 | 50.1 | 78.0 | -27.9 | Peak | Horizontal |
| | 3694.5 | 43.7 | 0.1 | 43.8 | 54.0 | -10.2 | Peak | Vertical |
| | 5029.0 | 39.9 | 3.9 | 43.8 | 54.0 | -10.2 | Peak | Vertical |
| * | 6958.5 | 37.4 | 10.2 | 47.6 | 78.0 | -30.4 | Peak | Vertical |
| * | 10010.0 | 35.4 | 15.4 | 50.8 | 78.0 | -27.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (108.0dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/28 |
| Test Mode: | 802.11g - Ant 0 + 1 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 4034.5 | 41.0 | 0.5 | 41.5 | 54.0 | -12.5 | Peak | Horizontal |
| | 4935.5 | 39.1 | 3.7 | 42.8 | 54.0 | -11.2 | Peak | Horizontal |
| * | 6788.5 | 37.8 | 9.0 | 46.8 | 82.8 | -36.0 | Peak | Horizontal |
| * | 9831.5 | 34.9 | 15.9 | 50.8 | 82.8 | -32.0 | Peak | Horizontal |
| | 4085.5 | 40.5 | 0.7 | 41.2 | 54.0 | -12.8 | Peak | Vertical |
| | 5003.5 | 38.9 | 3.8 | 42.7 | 54.0 | -11.3 | Peak | Vertical |
| * | 6525.0 | 37.5 | 8.5 | 46.0 | 82.8 | -36.8 | Peak | Vertical |
| * | 9942.0 | 35.5 | 15.3 | 50.8 | 82.8 | -32.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (112.8dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/28 |
| Test Mode: | 802.11g - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 4051.5 | 41.1 | 0.5 | 41.6 | 54.0 | -12.4 | Peak | Horizontal |
| | 4910.0 | 39.1 | 3.7 | 42.8 | 54.0 | -11.2 | Peak | Horizontal |
| * | 6899.0 | 37.2 | 9.8 | 47.0 | 82.4 | -35.4 | Peak | Horizontal |
| * | 9882.5 | 35.2 | 15.6 | 50.8 | 82.4 | -31.6 | Peak | Horizontal |
| | 4060.0 | 40.2 | 0.6 | 40.8 | 54.0 | -13.2 | Peak | Vertical |
| | 4935.5 | 38.9 | 3.7 | 42.6 | 54.0 | -11.4 | Peak | Vertical |
| * | 6253.0 | 37.7 | 7.0 | 44.7 | 82.4 | -37.7 | Peak | Vertical |
| * | 10052.5 | 35.7 | 15.5 | 51.2 | 82.4 | -31.2 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.4BμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/28 |
| Test Mode: | 802.11g - Ant 0 + 1 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3694.5 | 42.3 | 0.1 | 42.4 | 54.0 | -11.6 | Peak | Horizontal |
| | 5003.5 | 39.8 | 3.8 | 43.6 | 54.0 | -10.4 | Peak | Horizontal |
| * | 6729.0 | 36.4 | 8.7 | 45.1 | 81.9 | -36.8 | Peak | Horizontal |
| * | 9772.0 | 34.7 | 14.9 | 49.6 | 81.9 | -32.3 | Peak | Horizontal |
| | 4085.5 | 40.3 | 0.7 | 41.0 | 54.0 | -13.0 | Peak | Vertical |
| | 4986.5 | 37.3 | 3.8 | 41.1 | 54.0 | -12.9 | Peak | Vertical |
| * | 6397.5 | 37.9 | 7.7 | 45.6 | 81.9 | -36.3 | Peak | Vertical |
| * | 10120.5 | 33.4 | 15.8 | 49.2 | 81.9 | -32.7 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/28 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3618.0 | 42.8 | 0.0 | 42.8 | 54.0 | -11.2 | Peak | Horizontal |
| | 4859.0 | 38.9 | 3.7 | 42.6 | 54.0 | -11.4 | Peak | Horizontal |
| * | 6890.5 | 37.4 | 9.7 | 47.1 | 82.9 | -35.8 | Peak | Horizontal |
| * | 10171.5 | 35.5 | 16.1 | 51.6 | 82.9 | -31.3 | Peak | Horizontal |
| | 3618.0 | 43.0 | 0.0 | 43.0 | 54.0 | -11.0 | Peak | Vertical |
| | 4884.5 | 39.2 | 3.7 | 42.9 | 54.0 | -11.1 | Peak | Vertical |
| * | 6559.0 | 37.0 | 8.6 | 45.6 | 82.9 | -37.3 | Peak | Vertical |
| * | 10273.5 | 35.1 | 16.5 | 51.6 | 82.9 | -31.3 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/28 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3652.0 | 43.4 | 0.1 | 43.5 | 54.0 | -10.5 | Peak | Horizontal |
| | 4901.5 | 38.4 | 3.7 | 42.1 | 54.0 | -11.9 | Peak | Horizontal |
| * | 6321.0 | 36.9 | 7.3 | 44.2 | 82.1 | -37.9 | Peak | Horizontal |
| * | 9942.0 | 35.9 | 15.3 | 51.2 | 82.1 | -30.9 | Peak | Horizontal |
| | 3652.0 | 42.6 | 0.1 | 42.7 | 54.0 | -11.3 | Peak | Vertical |
| | 4901.5 | 38.3 | 3.7 | 42.0 | 54.0 | -12.0 | Peak | Vertical |
| * | 6805.5 | 37.4 | 9.1 | 46.5 | 82.1 | -35.6 | Peak | Vertical |
| * | 10061.0 | 36.5 | 15.6 | 52.1 | 82.1 | -30.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (112.1dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/28 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3694.5 | 42.7 | 0.1 | 42.8 | 54.0 | -11.2 | Peak | Horizontal |
| | 4952.5 | 39.5 | 3.7 | 43.2 | 54.0 | -10.8 | Peak | Horizontal |
| * | 6839.5 | 36.5 | 9.3 | 45.8 | 81.0 | -35.2 | Peak | Horizontal |
| * | 9823.0 | 34.8 | 15.6 | 50.4 | 81.0 | -30.6 | Peak | Horizontal |
| | 3694.5 | 43.0 | 0.1 | 43.1 | 54.0 | -10.9 | Peak | Vertical |
| | 4791.0 | 38.5 | 3.7 | 42.2 | 54.0 | -11.8 | Peak | Vertical |
| * | 6525.0 | 35.6 | 8.5 | 44.1 | 81.0 | -36.9 | Peak | Vertical |
| * | 9950.5 | 36.0 | 15.3 | 51.3 | 81.0 | -29.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.0dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/28 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1 | Test Channel: | 03 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3635.0 | 42.5 | 0.0 | 42.5 | 54.0 | -11.5 | Peak | Horizontal |
| | 4927.0 | 38.9 | 3.7 | 42.6 | 54.0 | -11.4 | Peak | Horizontal |
| * | 6355.0 | 38.0 | 7.5 | 45.5 | 79.4 | -33.9 | Peak | Horizontal |
| * | 9848.5 | 34.3 | 16.1 | 50.4 | 79.4 | -29.0 | Peak | Horizontal |
| | 3635.0 | 42.8 | 0.0 | 42.8 | 54.0 | -11.2 | Peak | Vertical |
| | 4935.5 | 38.8 | 3.7 | 42.5 | 54.0 | -11.5 | Peak | Vertical |
| * | 6295.5 | 35.8 | 7.2 | 43.0 | 79.4 | -36.4 | Peak | Vertical |
| * | 9848.5 | 34.1 | 16.1 | 50.2 | 79.4 | -29.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (109.4dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/28 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3652.0 | 42.1 | 0.1 | 42.2 | 54.0 | -11.8 | Peak | Horizontal |
| | 4808.0 | 38.8 | 3.7 | 42.5 | 54.0 | -11.5 | Peak | Horizontal |
| * | 6457.0 | 36.7 | 8.1 | 44.8 | 78.2 | -33.4 | Peak | Horizontal |
| * | 9831.5 | 35.1 | 15.9 | 51.0 | 78.2 | -27.2 | Peak | Horizontal |
| | 3652.0 | 43.0 | 0.1 | 43.1 | 54.0 | -10.9 | Peak | Vertical |
| | 4918.5 | 39.1 | 3.7 | 42.8 | 54.0 | -11.2 | Peak | Vertical |
| * | 6321.0 | 36.8 | 7.3 | 44.1 | 78.2 | -34.1 | Peak | Vertical |
| * | 9874.0 | 34.6 | 15.8 | 50.4 | 78.2 | -27.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (108.2dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/28 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1 | Test Channel: | 09 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3949.5 | 38.9 | 0.3 | 39.2 | 54.0 | -14.8 | Peak | Horizontal |
| | 4706.0 | 36.7 | 3.6 | 40.3 | 54.0 | -13.7 | Peak | Horizontal |
| * | 6295.5 | 36.0 | 7.2 | 43.2 | 77.0 | -33.8 | Peak | Horizontal |
| * | 9678.5 | 33.7 | 14.6 | 48.3 | 77.0 | -28.7 | Peak | Horizontal |
| | 3677.5 | 43.2 | 0.1 | 43.3 | 54.0 | -10.7 | Peak | Vertical |
| | 4816.5 | 39.1 | 3.7 | 42.8 | 54.0 | -11.2 | Peak | Vertical |
| * | 6542.0 | 36.1 | 8.6 | 44.7 | 77.0 | -32.3 | Peak | Vertical |
| * | 9806.0 | 34.9 | 15.2 | 50.1 | 77.0 | -26.9 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/28 |
| Test Mode: | 802.11ax-HE20 - Ant 0 + 1 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3618.0 | 42.3 | 0.0 | 42.3 | 54.0 | -11.7 | Peak | Horizontal |
| | 4901.5 | 37.1 | 3.7 | 40.8 | 54.0 | -13.2 | Peak | Horizontal |
| * | 6474.0 | 36.9 | 8.2 | 45.1 | 83.9 | -38.8 | Peak | Horizontal |
| * | 9831.5 | 34.9 | 15.9 | 50.8 | 83.9 | -33.1 | Peak | Horizontal |
| | 3618.0 | 42.9 | 0.0 | 42.9 | 54.0 | -11.1 | Peak | Vertical |
| | 5020.5 | 39.0 | 3.9 | 42.9 | 54.0 | -11.1 | Peak | Vertical |
| * | 6355.0 | 37.8 | 7.5 | 45.3 | 83.9 | -38.6 | Peak | Vertical |
| * | 9823.0 | 34.0 | 15.6 | 49.6 | 83.9 | -34.3 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/28 |
| Test Mode: | 802.11ax-HE20 - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3652.0 | 42.8 | 0.1 | 42.9 | 54.0 | -11.1 | Peak | Horizontal |
| | 4901.5 | 38.8 | 3.7 | 42.5 | 54.0 | -11.5 | Peak | Horizontal |
| * | 6584.5 | 36.9 | 8.6 | 45.5 | 83.2 | -37.7 | Peak | Horizontal |
| * | 10069.5 | 35.3 | 15.6 | 50.9 | 83.2 | -32.3 | Peak | Horizontal |
| | 3643.5 | 38.9 | 0.0 | 38.9 | 54.0 | -15.1 | Peak | Vertical |
| | 5046.0 | 38.5 | 4.0 | 42.5 | 54.0 | -11.5 | Peak | Vertical |
| * | 6134.0 | 36.2 | 6.6 | 42.8 | 83.2 | -40.4 | Peak | Vertical |
| * | 9653.0 | 35.4 | 14.5 | 49.9 | 83.2 | -33.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.2dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/28 |
| Test Mode: | 802.11ax-HE20 - Ant 0 + 1 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3694.5 | 42.2 | 0.1 | 42.3 | 54.0 | -11.7 | Peak | Horizontal |
| | 4893.0 | 38.2 | 3.7 | 41.9 | 54.0 | -12.1 | Peak | Horizontal |
| * | 6363.5 | 37.1 | 7.5 | 44.6 | 82.3 | -37.7 | Peak | Horizontal |
| * | 10171.5 | 34.1 | 16.1 | 50.2 | 82.3 | -32.1 | Peak | Horizontal |
| | 3694.5 | 42.7 | 0.1 | 42.8 | 54.0 | -11.2 | Peak | Vertical |
| | 4765.5 | 38.7 | 3.7 | 42.4 | 54.0 | -11.6 | Peak | Vertical |
| * | 6270.0 | 37.2 | 7.1 | 44.3 | 82.3 | -38.0 | Peak | Vertical |
| * | 9899.5 | 33.9 | 15.4 | 49.3 | 82.3 | -33.0 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/28 |
| Test Mode: | 802.11ax-HE40 - Ant 0 + 1 | Test Channel: | 03 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3635.0 | 42.4 | 0.0 | 42.4 | 54.0 | -11.6 | Peak | Horizontal |
| | 4901.5 | 38.6 | 3.7 | 42.3 | 54.0 | -11.7 | Peak | Horizontal |
| * | 6576.0 | 36.5 | 8.6 | 45.1 | 80.3 | -35.2 | Peak | Horizontal |
| * | 9942.0 | 35.6 | 15.3 | 50.9 | 80.3 | -29.4 | Peak | Horizontal |
| | 3635.0 | 43.6 | 0.0 | 43.6 | 54.0 | -10.4 | Peak | Vertical |
| | 4867.5 | 38.8 | 3.7 | 42.5 | 54.0 | -11.5 | Peak | Vertical |
| * | 6542.0 | 37.3 | 8.6 | 45.9 | 80.3 | -34.4 | Peak | Vertical |
| * | 10112.0 | 33.4 | 15.8 | 49.2 | 80.3 | -31.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (110.3dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/28 |
| Test Mode: | 802.11ax-HE40 - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3652.0 | 42.5 | 0.1 | 42.6 | 54.0 | -11.4 | Peak | Horizontal |
| | 4995.0 | 38.6 | 3.8 | 42.4 | 54.0 | -11.6 | Peak | Horizontal |
| * | 6244.5 | 35.8 | 7.0 | 42.8 | 79.7 | -36.9 | Peak | Horizontal |
| * | 10035.5 | 34.3 | 15.5 | 49.8 | 79.7 | -29.9 | Peak | Horizontal |
| | 3652.0 | 43.0 | 0.1 | 43.1 | 54.0 | -10.9 | Peak | Vertical |
| | 4740.0 | 38.4 | 3.6 | 42.0 | 54.0 | -12.0 | Peak | Vertical |
| * | 6491.0 | 36.9 | 8.3 | 45.2 | 79.7 | -34.5 | Peak | Vertical |
| * | 9942.0 | 36.7 | 15.3 | 52.0 | 79.7 | -27.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (109.7dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/28 |
| Test Mode: | 802.11ax-HE40 - Ant 0 + 1 | Test Channel: | 09 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 3677.5 | 42.3 | 0.1 | 42.4 | 54.0 | -11.6 | Peak | Horizontal |
| | 4629.5 | 39.5 | 3.3 | 42.8 | 54.0 | -11.2 | Peak | Horizontal |
| * | 6304.0 | 38.1 | 7.2 | 45.3 | 79.1 | -33.8 | Peak | Horizontal |
| * | 10061.0 | 35.5 | 15.6 | 51.1 | 79.1 | -28.0 | Peak | Horizontal |
| | 3677.5 | 44.0 | 0.1 | 44.1 | 54.0 | -9.9 | Peak | Vertical |
| | 4995.0 | 38.2 | 3.8 | 42.0 | 54.0 | -12.0 | Peak | Vertical |
| * | 6295.5 | 38.0 | 7.2 | 45.2 | 79.1 | -33.9 | Peak | Vertical |
| * | 10001.5 | 35.9 | 15.4 | 51.3 | 79.1 | -27.8 | Peak | Vertical |

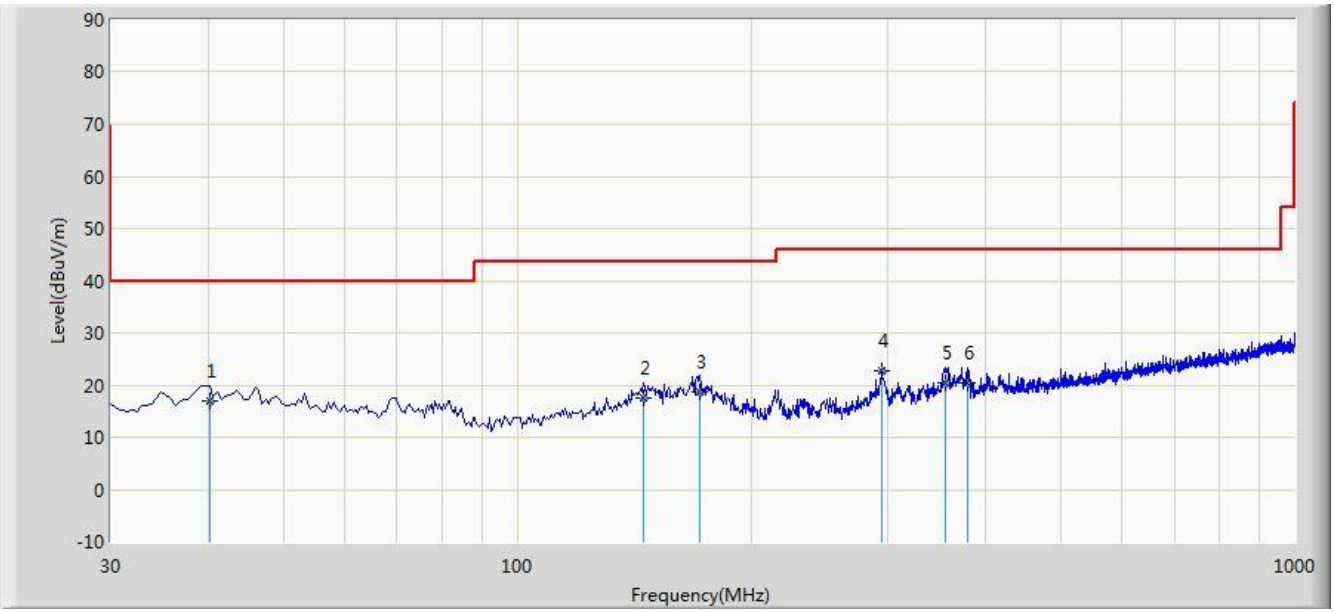
Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (109.1dBμV/m) or 15.209 which is higher.

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

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

**The Worst Case of Radiated Emission below 1GHz:**

| | |
|---|---|
| Site: AC1 | Time: 2018/06/27 - 19:55 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: VULB 9168_20-2000MHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| **Test Mode: There is the worst case within frequency range 30MHz~1GHz.** | |



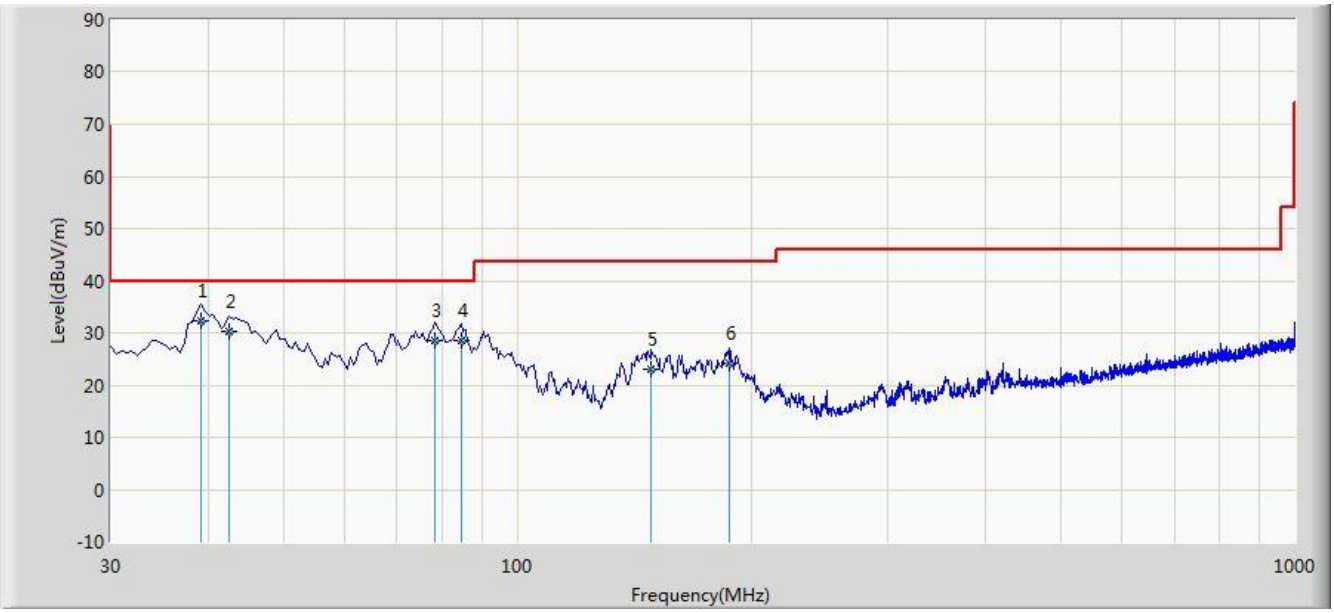

| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 40.185 | 16.843 | 2.934 | -23.157 | 40.000 | 13.909 | QP |
| 2 | | | 145.430 | 17.399 | 7.836 | -26.101 | 43.500 | 9.563 | QP |
| 3 | | | 171.620 | 18.836 | 8.372 | -24.664 | 43.500 | 10.464 | QP |
| 4 | | | 294.325 | 22.670 | 8.042 | -23.330 | 46.000 | 14.628 | QP |
| 5 | | | 355.920 | 20.357 | 4.217 | -25.643 | 46.000 | 16.140 | QP |
| 6 | | | 379.685 | 20.325 | 3.826 | -25.675 | 46.000 | 16.498 | QP |

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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: 2018/06/27 - 19:57 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: VULB 9168_20-2000MHz | Polarity: Vertical |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| **Test Mode: 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 | | * | 39.215 | 32.357 | 18.634 | -7.643 | 40.000 | 13.723 | QP |
| 2 | | | 42.610 | 30.336 | 15.962 | -9.664 | 40.000 | 14.374 | QP |
| 3 | | | 78.500 | 28.507 | 19.276 | -11.493 | 40.000 | 9.232 | QP |
| 4 | | | 84.805 | 28.534 | 18.416 | -11.466 | 40.000 | 10.118 | QP |
| 5 | | | 148.825 | 23.099 | 13.524 | -20.401 | 43.500 | 9.575 | QP |
| 6 | | | 187.625 | 24.237 | 12.516 | -19.263 | 43.500 | 11.722 | QP |

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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.

**For APIN0515:**

| | | | |
|---|---|---|---|
| Product | ACCESS POINT | Temperature | 26°C |
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/21 |
| Test Mode: | 802.11b - Ant 0 + 1 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7043.5 | 37.7 | 11.0 | 48.7 | 83.4 | -34.7 | Peak | Horizontal |
| * | 9933.5 | 36.2 | 15.3 | 51.5 | 83.4 | -31.9 | Peak | Horizontal |
| | 11497.5 | 34.1 | 19.3 | 53.4 | 74.0 | -20.6 | Peak | Horizontal |
| | 11497.5 | 21.3 | 19.3 | 40.6 | 54.0 | -13.4 | Average | Horizontal |
| | 12509.0 | 33.7 | 18.5 | 52.2 | 54.0 | -1.8 | Peak | Horizontal |
| * | 6261.5 | 38.5 | 7.0 | 45.5 | 83.4 | -37.9 | Peak | Vertical |
| * | 8828.5 | 35.2 | 14.0 | 49.2 | 83.4 | -34.2 | Peak | Vertical |
| | 10885.5 | 35.1 | 18.3 | 53.4 | 74.0 | -20.6 | Peak | Vertical |
| | 10885.5 | 22.4 | 18.3 | 40.7 | 54.0 | -13.3 | Average | Vertical |
| | 11667.5 | 33.2 | 19.3 | 52.5 | 54.0 | -1.5 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/21 |
| Test Mode: | 802.11b - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 6542.0 | 37.6 | 8.6 | 46.2 | 83.2 | -37.0 | Peak | Horizontal |
| * | 10154.5 | 35.7 | 16.0 | 51.7 | 83.2 | -31.5 | Peak | Horizontal |
| | 11276.5 | 33.8 | 18.8 | 52.6 | 54.0 | -1.4 | Peak | Horizontal |
| | 12492.0 | 34.1 | 18.5 | 52.6 | 54.0 | -1.4 | Peak | Horizontal |
| * | 6465.5 | 38.0 | 8.1 | 46.1 | 83.2 | -37.1 | Peak | Vertical |
| * | 8004.0 | 37.6 | 12.5 | 50.1 | 83.2 | -33.1 | Peak | Vertical |
| | 10970.5 | 34.9 | 18.4 | 53.3 | 74.0 | -20.7 | Peak | Vertical |
| | 10970.5 | 22.5 | 18.4 | 40.9 | 54.0 | -13.1 | Average | Vertical |
| | 11633.5 | 33.9 | 19.4 | 53.3 | 74.0 | -20.7 | Peak | Vertical |
| | 11633.5 | 21.8 | 19.4 | 41.2 | 54.0 | -12.8 | Average | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (113.2dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/21 |
| Test Mode: | 802.11b - Ant 0 + 1 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 6542.0 | 37.2 | 8.6 | 45.8 | 83.1 | -37.3 | Peak | Horizontal |
| * | 8012.5 | 37.3 | 12.5 | 49.8 | 83.1 | -33.3 | Peak | Horizontal |
| | 11106.5 | 34.6 | 18.6 | 53.2 | 74.0 | -20.8 | Peak | Horizontal |
| | 11106.5 | 21.9 | 18.6 | 40.5 | 54.0 | -13.5 | Average | Horizontal |
| | 11642.0 | 33.7 | 19.4 | 53.1 | 74.0 | -20.9 | Peak | Horizontal |
| | 11642.0 | 21.9 | 19.4 | 41.3 | 54.0 | -12.7 | Average | Horizontal |
| * | 7171.0 | 36.6 | 11.9 | 48.5 | 83.1 | -34.6 | Peak | Vertical |
| * | 8845.5 | 35.4 | 14.0 | 49.4 | 83.1 | -33.7 | Peak | Vertical |
| | 11106.5 | 34.8 | 18.6 | 53.4 | 74.0 | -20.6 | Peak | Vertical |
| | 11106.5 | 22.3 | 18.6 | 40.9 | 54.0 | -13.1 | Average | Vertical |
| | 11803.5 | 33.5 | 18.7 | 52.2 | 54.0 | -1.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.1dBµV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/21 |
| Test Mode: | 802.11g - Ant 0 + 1 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7035.0 | 36.8 | 10.9 | 47.7 | 81.3 | -33.6 | Peak | Horizontal |
| * | 10256.5 | 36.6 | 16.5 | 53.1 | 81.3 | -28.2 | Peak | Horizontal |
| | 11455.0 | 34.2 | 19.2 | 53.4 | 74.0 | -20.6 | Peak | Horizontal |
| | 11455.0 | 22.4 | 19.2 | 41.6 | 54.0 | -12.4 | Average | Horizontal |
| | 12203.0 | 34.2 | 18.8 | 53.0 | 74.0 | -21.0 | Peak | Horizontal |
| | 12203.0 | 21.6 | 18.8 | 40.4 | 54.0 | -13.6 | Average | Horizontal |
| * | 5777.0 | 38.7 | 5.3 | 44.0 | 81.3 | -37.3 | Peak | Vertical |
| * | 10188.5 | 35.4 | 16.2 | 51.6 | 81.3 | -29.7 | Peak | Vertical |
| | 10868.5 | 34.9 | 18.2 | 53.1 | 74.0 | -20.9 | Peak | Vertical |
| | 10868.5 | 22.7 | 18.2 | 40.9 | 54.0 | -13.1 | Average | Vertical |
| | 11268.0 | 35.0 | 18.8 | 53.8 | 74.0 | -20.2 | Peak | Vertical |
| | 11268.0 | 22.8 | 18.8 | 41.6 | 54.0 | -12.4 | Average | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (113.3dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/21 |
| Test Mode: | 802.11g - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 6559.0 | 37.9 | 8.6 | 46.5 | 83.6 | -37.1 | Peak | Horizontal |
| * | 8012.5 | 37.4 | 12.5 | 49.9 | 83.6 | -33.7 | Peak | Horizontal |
| | 10826.0 | 35.5 | 18.0 | 53.5 | 74.0 | -20.5 | Peak | Horizontal |
| | 10826.0 | 23.1 | 18.0 | 41.1 | 54.0 | -12.9 | Average | Horizontal |
| | 11446.5 | 33.3 | 19.2 | 52.5 | 54.0 | -1.5 | Peak | Horizontal |
| * | 6049.0 | 38.1 | 6.2 | 44.3 | 83.6 | -39.3 | Peak | Vertical |
| * | 9865.5 | 35.4 | 16.0 | 51.4 | 83.6 | -32.2 | Peak | Vertical |
| | 11132.0 | 34.5 | 18.6 | 53.1 | 74.0 | -20.9 | Peak | Vertical |
| | 11132.0 | 22.6 | 18.6 | 41.2 | 54.0 | -12.8 | Average | Vertical |
| | 11965.0 | 34.3 | 18.6 | 52.9 | 54.0 | -1.1 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (113.6BµV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/21 |
| Test Mode: | 802.11g - Ant 0 + 1 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 6593.0 | 37.4 | 8.7 | 46.1 | 81.6 | -35.5 | Peak | Horizontal |
| * | 9848.5 | 35.6 | 16.1 | 51.7 | 81.6 | -29.9 | Peak | Horizontal |
| | 10843.0 | 34.9 | 18.1 | 53.0 | 74.0 | -21.0 | Peak | Horizontal |
| | 10843.0 | 22.2 | 18.1 | 40.3 | 54.0 | -13.7 | Average | Horizontal |
| | 11378.5 | 34.1 | 19.1 | 53.2 | 74.0 | -20.8 | Peak | Horizontal |
| | 11378.5 | 22.3 | 19.1 | 41.4 | 54.0 | -12.6 | Average | Horizontal |
| * | 6848.0 | 37.5 | 9.4 | 46.9 | 81.6 | -34.7 | Peak | Vertical |
| * | 10205.5 | 35.5 | 16.2 | 51.7 | 81.6 | -29.9 | Peak | Vertical |
| | 11361.5 | 34.6 | 19.0 | 53.6 | 74.0 | -20.4 | Peak | Vertical |
| | 11361.5 | 22.3 | 19.0 | 41.3 | 54.0 | -12.7 | Average | Vertical |
| | 12211.5 | 34.2 | 18.8 | 53.0 | 74.0 | -21.0 | Peak | Vertical |
| | 12211.5 | 22.5 | 18.8 | 41.3 | 54.0 | -12.7 | Average | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.6dBµV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/21 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 6550.5 | 37.4 | 8.6 | 46.0 | 82.6 | -36.6 | Peak | Horizontal |
| * | 10120.5 | 36.1 | 15.8 | 51.9 | 82.6 | -30.7 | Peak | Horizontal |
| | 10996.0 | 34.4 | 18.5 | 52.9 | 54.0 | -1.1 | Peak | Horizontal |
| | 12619.5 | 34.4 | 18.7 | 53.1 | 74.0 | -20.9 | Peak | Horizontal |
| | 12619.5 | 22.2 | 18.7 | 40.9 | 54.0 | -13.1 | Average | Horizontal |
| * | 6610.0 | 37.7 | 8.7 | 46.4 | 82.6 | -36.2 | Peak | Vertical |
| * | 7111.5 | 36.4 | 11.5 | 47.9 | 82.6 | -34.7 | Peak | Vertical |
| | 11268.0 | 34.7 | 18.8 | 53.5 | 74.0 | -20.5 | Peak | Vertical |
| | 11268.0 | 22.6 | 18.8 | 41.4 | 54.0 | -12.6 | Average | Vertical |
| | 12543.0 | 35.2 | 18.6 | 53.8 | 74.0 | -20.2 | Peak | Vertical |
| | 12543.0 | 22.9 | 18.6 | 22.9 | 54.0 | -12.5 | Average | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (112.6dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/21 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 6066.0 | 38.1 | 6.3 | 44.4 | 82.8 | -38.4 | Peak | Horizontal |
| * | 10511.5 | 35.4 | 17.2 | 52.6 | 82.8 | -30.2 | Peak | Horizontal |
| | 11421.0 | 34.3 | 19.1 | 53.4 | 74.0 | -20.6 | Peak | Horizontal |
| | 11421.0 | 21.7 | 19.1 | 40.8 | 54.0 | -13.2 | Average | Horizontal |
| | 12645.0 | 34.4 | 18.7 | 53.1 | 74.0 | -20.9 | Peak | Horizontal |
| | 12645.0 | 22.3 | 18.7 | 41.0 | 54.0 | -13.0 | Average | Horizontal |
| * | 6610.0 | 37.3 | 8.7 | 46.0 | 82.8 | -36.8 | Peak | Vertical |
| * | 10069.5 | 36.1 | 15.6 | 51.7 | 82.8 | -31.1 | Peak | Vertical |
| | 10800.5 | 35.8 | 17.9 | 53.7 | 74.0 | -20.3 | Peak | Vertical |
| | 10800.5 | 22.9 | 17.9 | 40.8 | 54.0 | -13.2 | Average | Vertical |
| | 11608.0 | 33.0 | 19.4 | 52.4 | 54.0 | -1.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (112.8dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/21 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 6499.5 | 37.8 | 8.4 | 46.2 | 81.5 | -35.3 | Peak | Horizontal |
| * | 7128.5 | 36.6 | 11.7 | 48.3 | 81.5 | -33.2 | Peak | Horizontal |
| | 10953.5 | 34.5 | 18.4 | 52.9 | 54.0 | -1.1 | Peak | Horizontal |
| | 11973.5 | 33.6 | 18.7 | 52.3 | 54.0 | -1.7 | Peak | Horizontal |
| * | 7086.0 | 36.1 | 11.3 | 47.4 | 81.5 | -34.1 | Peak | Vertical |
| * | 10282.0 | 35.9 | 16.5 | 52.4 | 81.5 | -29.1 | Peak | Vertical |
| | 11378.5 | 33.6 | 19.1 | 52.7 | 54.0 | -1.3 | Peak | Vertical |
| | 12449.5 | 34.4 | 18.4 | 52.8 | 54.0 | -1.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.5dBµV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/21 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1 | Test Channel: | 03 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 6559.0 | 38.1 | 8.6 | 46.7 | 78.4 | -31.7 | Peak | Horizontal |
| * | 7995.5 | 38.4 | 12.5 | 50.9 | 78.4 | -27.5 | Peak | Horizontal |
| | 10851.5 | 35.5 | 18.1 | 53.6 | 74.0 | -20.4 | Peak | Horizontal |
| | 10851.5 | 23.1 | 18.1 | 41.2 | 54.0 | -12.8 | Average | Horizontal |
| | 12067.0 | 34.2 | 18.8 | 53.0 | 74.0 | -21.0 | Peak | Horizontal |
| | 12067.0 | 22.6 | 18.8 | 41.4 | 54.0 | -12.6 | Average | Horizontal |
| * | 6559.0 | 39.1 | 8.6 | 47.7 | 78.4 | -30.7 | Peak | Vertical |
| * | 9746.5 | 36.9 | 14.8 | 51.7 | 78.4 | -26.7 | Peak | Vertical |
| | 10809.0 | 35.6 | 17.9 | 53.5 | 74.0 | -20.5 | Peak | Vertical |
| | 10809.0 | 23.3 | 17.9 | 41.2 | 54.0 | -12.8 | Average | Vertical |
| | 11327.5 | 34.9 | 18.9 | 53.8 | 74.0 | -20.2 | Peak | Vertical |
| | 11327.5 | 22.5 | 18.9 | 41.4 | 54.0 | -12.6 | Average | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (108.4dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/21 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 6593.0 | 38.1 | 8.7 | 46.8 | 80.0 | -33.2 | Peak | Horizontal |
| * | 9967.5 | 36.8 | 15.3 | 52.1 | 80.0 | -27.9 | Peak | Horizontal |
| | 11047.0 | 34.9 | 18.5 | 53.4 | 74.0 | -20.6 | Peak | Horizontal |
| | 11047.0 | 22.1 | 18.5 | 40.6 | 54.0 | -13.4 | Average | Horizontal |
| | 11667.5 | 33.7 | 19.3 | 53.0 | 74.0 | -21.0 | Peak | Horizontal |
| | 11667.5 | 20.6 | 19.3 | 39.9 | 54.0 | -14.1 | Average | Horizontal |
| * | 6627.0 | 38.3 | 8.7 | 47.0 | 80.0 | -33.0 | Peak | Vertical |
| * | 7978.5 | 38.3 | 12.5 | 50.8 | 80.0 | -29.2 | Peak | Vertical |
| | 10783.5 | 35.5 | 17.8 | 53.3 | 74.0 | -20.7 | Peak | Vertical |
| | 10783.5 | 23.7 | 17.8 | 41.5 | 54.0 | -12.5 | Average | Vertical |
| | 12483.5 | 35.2 | 18.5 | 53.7 | 74.0 | -20.3 | Peak | Vertical |
| | 12483.5 | 23.5 | 18.5 | 42.0 | 54.0 | -12.0 | Average | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/21 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1 | Test Channel: | 09 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 5998.0 | 40.1 | 6.1 | 46.2 | 77.0 | -30.8 | Peak | Horizontal |
| * | 7154.0 | 37.3 | 11.9 | 49.2 | 77.0 | -27.8 | Peak | Horizontal |
| | 11004.5 | 34.8 | 18.5 | 53.3 | 74.0 | -20.7 | Peak | Horizontal |
| | 11004.5 | 22.2 | 18.5 | 40.7 | 54.0 | -13.3 | Average | Horizontal |
| | 11684.5 | 34.5 | 19.2 | 53.7 | 74.0 | -20.3 | Peak | Horizontal |
| | 11684.5 | 22.3 | 19.2 | 41.5 | 54.0 | -12.5 | Average | Horizontal |
| * | 6015.0 | 38.6 | 6.1 | 44.7 | 77.0 | -32.3 | Peak | Vertical |
| * | 7137.0 | 37.5 | 11.7 | 49.2 | 77.0 | -27.8 | Peak | Vertical |
| | 11123.5 | 34.3 | 18.6 | 52.9 | 54.0 | -1.1 | Peak | Vertical |
| | 11718.5 | 34.6 | 19 | 53.6 | 74.0 | -20.4 | Peak | Vertical |
| | 11718.5 | 22.1 | 19 | 41.1 | 54.0 | -12.9 | Average | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/21 |
| Test Mode: | 802.11ax-HE20 - Ant 0 + 1 | Test Channel: | 01 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 6550.5 | 39.0 | 8.6 | 47.6 | 83.3 | -35.7 | Peak | Horizontal |
| * | 7018.0 | 39.3 | 10.7 | 50.0 | 83.3 | -33.3 | Peak | Horizontal |
| | 7655.5 | 38.1 | 12.5 | 50.6 | 54.0 | -3.4 | Peak | Horizontal |
| | 11089.5 | 34.9 | 18.6 | 53.5 | 74.0 | -20.5 | Peak | Horizontal |
| | 11089.5 | 22.3 | 18.6 | 40.9 | 54.0 | -13.1 | Average | Horizontal |
| * | 6304.0 | 38.6 | 7.2 | 45.8 | 83.3 | -37.5 | Peak | Vertical |
| * | 10528.5 | 36.1 | 17.2 | 53.3 | 83.3 | -30.0 | Peak | Vertical |
| | 11106.5 | 35.1 | 18.6 | 53.7 | 74.0 | -20.3 | Peak | Vertical |
| | 11106.5 | 23 | 18.6 | 41.6 | 54.0 | -12.4 | Average | Vertical |
| | 12313.5 | 35.2 | 18.5 | 53.7 | 74.0 | -20.3 | Peak | Vertical |
| | 12313.5 | 23.1 | 18.5 | 41.6 | 54.0 | -12.4 | Average | Vertical |

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.3dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/21 |
| Test Mode: | 802.11ax-HE20 - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7162.5 | 36.5 | 11.9 | 48.4 | 84.3 | -35.9 | Peak | Horizontal |
| * | 7902.0 | 37.1 | 12.4 | 49.5 | 84.3 | -34.8 | Peak | Horizontal |
| | 10860.0 | 35.3 | 18.2 | 53.5 | 74.0 | -20.5 | Peak | Horizontal |
| | 10860.0 | 23.1 | 18.2 | 41.3 | 54.0 | -12.7 | Average | Horizontal |
| | 11684.5 | 34.2 | 19.2 | 53.4 | 74.0 | -20.6 | Peak | Horizontal |
| | 11684.5 | 22 | 19.2 | 41.2 | 54.0 | -12.8 | Average | Horizontal |
| * | 7137.0 | 37.1 | 11.7 | 48.8 | 84.3 | -35.5 | Peak | Vertical |
| * | 8012.5 | 37.8 | 12.5 | 50.3 | 84.3 | -34.0 | Peak | Vertical |
| | 10766.5 | 35.9 | 17.7 | 53.6 | 74.0 | -20.4 | Peak | Vertical |
| | 10766.5 | 23.5 | 17.7 | 41.2 | 54.0 | -12.8 | Average | Vertical |
| | 11684.5 | 33.9 | 19.2 | 53.1 | 74.0 | -20.9 | Peak | Vertical |
| | 11684.5 | 20.9 | 19.2 | 40.1 | 54.0 | -13.9 | Average | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (114.3dBμV/m) or 15.209 which is higher.

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/21 |
| Test Mode: | 802.11ax-HE20 - Ant 0 + 1 | Test Channel: | 11 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 6414.5 | 38.2 | 7.8 | 46.0 | 82.3 | -36.3 | Peak | Horizontal |
| * | 7205.0 | 36.8 | 12.1 | 48.9 | 82.3 | -33.4 | Peak | Horizontal |
| | 10809.0 | 35.7 | 17.9 | 53.6 | 74.0 | -20.4 | Peak | Horizontal |
| | 10809.0 | 23.4 | 17.9 | 41.3 | 54.0 | -12.7 | Average | Horizontal |
| | 11931.0 | 34.6 | 18.6 | 53.2 | 74.0 | -20.8 | Peak | Horizontal |
| | 11931.0 | 22.4 | 18.6 | 41.0 | 54.0 | -13.0 | Average | Horizontal |
| * | 6992.5 | 38.1 | 10.5 | 48.6 | 82.3 | -33.7 | Peak | Vertical |
| * | 9993.0 | 37 | 15.4 | 52.4 | 82.3 | -29.9 | Peak | Vertical |
| | 11089.5 | 34.9 | 18.6 | 53.5 | 74.0 | -20.5 | Peak | Vertical |
| | 11089.5 | 22.2 | 18.6 | 40.8 | 54.0 | -13.2 | Average | Vertical |
| | 12254.0 | 34 | 18.6 | 52.6 | 54.0 | -1.4 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/21 |
| Test Mode: | 802.11ax-HE40 - Ant 0 + 1 | Test Channel: | 03 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 6559.0 | 37.8 | 8.6 | 46.4 | 82.5 | -36.1 | Peak | Horizontal |
| * | 7111.5 | 36.8 | 11.5 | 48.3 | 82.5 | -34.2 | Peak | Horizontal |
| | 10868.5 | 34.2 | 18.2 | 52.4 | 54.0 | -1.6 | Peak | Horizontal |
| | 12067.0 | 34.0 | 18.8 | 52.8 | 54.0 | -1.2 | Peak | Horizontal |
| * | 6516.5 | 38.0 | 8.5 | 46.5 | 82.5 | -36.0 | Peak | Vertical |
| * | 7953.0 | 38.5 | 12.5 | 51.0 | 82.5 | -31.5 | Peak | Vertical |
| | 10877.0 | 34.7 | 18.2 | 52.9 | 54.0 | -1.1 | Peak | Vertical |
| | 11472.0 | 34.0 | 19.3 | 53.3 | 74.0 | -20.7 | Peak | Vertical |
| | 11472.0 | 22.1 | 19.3 | 41.4 | 54.0 | -12.6 | Average | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/21 |
| Test Mode: | 802.11ax-HE40 - Ant 0 + 1 | Test Channel: | 06 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7111.5 | 37.4 | 11.5 | 48.9 | 83.4 | -34.5 | Peak | Horizontal |
| * | 9899.5 | 37.4 | 15.4 | 52.8 | 83.4 | -30.6 | Peak | Horizontal |
| | 10817.5 | 35.8 | 18.0 | 53.8 | 74.0 | -20.2 | Peak | Horizontal |
| | 10817.5 | 23.2 | 18 | 41.2 | 54.0 | -12.8 | Average | Horizontal |
| | 11650.5 | 34.1 | 19.3 | 53.4 | 74.0 | -20.6 | Peak | Horizontal |
| | 11650.5 | 22.1 | 19.3 | 41.4 | 54.0 | -12.6 | Average | Horizontal |
| * | 6584.5 | 37.6 | 8.6 | 46.2 | 83.4 | -37.2 | Peak | Vertical |
| * | 10197.0 | 36.7 | 16.2 | 52.9 | 83.4 | -30.5 | Peak | Vertical |
| | 10877.0 | 35.3 | 18.2 | 53.5 | 74.0 | -20.5 | Peak | Vertical |
| | 10877.0 | 23 | 18.2 | 41.2 | 54.0 | -12.8 | Average | Vertical |
| | 11642.0 | 33.4 | 19.4 | 52.8 | 54.0 | -1.2 | Peak | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 56% |
| Test Site | AC1 | Test Date | 2018/06/21 |
| Test Mode: | 802.11ax-HE40 - Ant 0 + 1 | Test Channel: | 09 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7103.0 | 37.3 | 11.5 | 48.8 | 79.8 | -31.0 | Peak | Horizontal |
| * | 10205.5 | 36.0 | 16.2 | 52.2 | 79.8 | -27.6 | Peak | Horizontal |
| | 10877.0 | 34.8 | 18.2 | 53.0 | 74.0 | -21.0 | Peak | Horizontal |
| | 10877.0 | 22.4 | 18.2 | 40.6 | 54.0 | -13.4 | Average | Horizontal |
| | 11769.5 | 35.0 | 18.8 | 53.8 | 74.0 | -20.2 | Peak | Horizontal |
| | 11769.5 | 22.6 | 18.8 | 41.4 | 54.0 | -12.6 | Average | Horizontal |
| * | 6593.0 | 38.6 | 8.7 | 47.3 | 79.8 | -32.5 | Peak | Vertical |
| * | 7987.0 | 38.6 | 12.5 | 51.1 | 79.8 | -28.7 | Peak | Vertical |
| | 11344.5 | 34.6 | 19.0 | 53.6 | 74.0 | -20.4 | Peak | Vertical |
| | 11344.5 | 22.3 | 19.0 | 41.3 | 54.0 | -12.7 | Average | Vertical |
| | 11625.0 | 34.0 | 19.4 | 53.4 | 74.0 | -20.6 | Peak | Vertical |
| | 11625.0 | 22.1 | 19.4 | 41.5 | 54.0 | -12.5 | Average | Vertical |

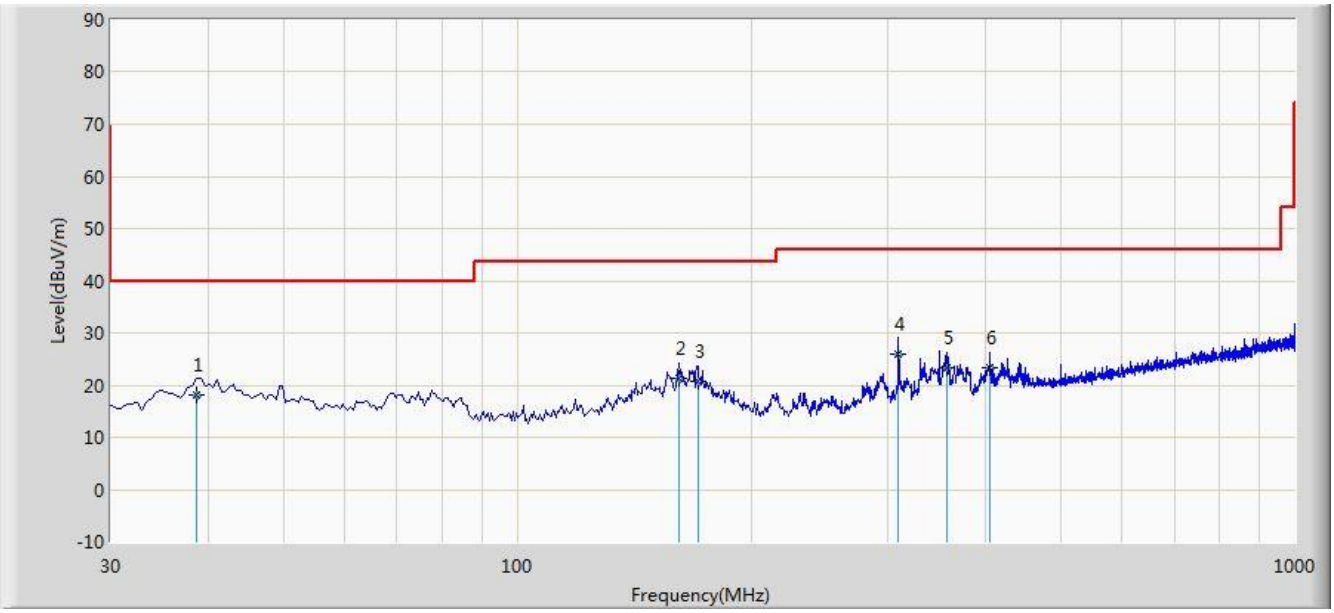
Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.8dBμV/m) or 15.209 which is higher.

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

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

**The Worst Case of Radiated Emission below 1GHz:**

| | |
|---|---|
| Site: AC1 | Time: 2018/06/27 - 19:59 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: VULB 9168_20-2000MHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| **Test Mode: There is the worst case within frequency range 30MHz~1GHz.** | |



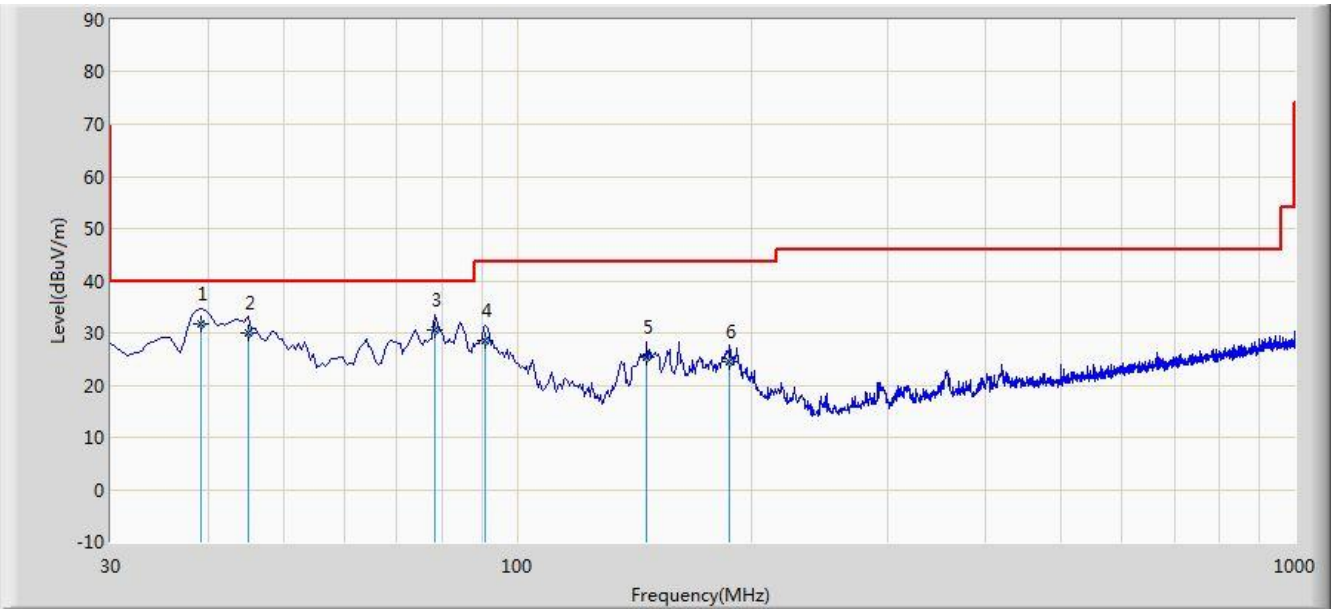

| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 38.730 | 18.156 | 4.526 | -21.844 | 40.000 | 13.630 | QP |
| 2 | | | 161.435 | 21.324 | 11.306 | -22.176 | 43.500 | 10.018 | QP |
| 3 | | | 170.650 | 20.623 | 10.205 | -22.877 | 43.500 | 10.418 | QP |
| 4 | | * | 309.360 | 26.067 | 11.072 | -19.933 | 46.000 | 14.995 | QP |
| 5 | | | 357.375 | 23.201 | 7.038 | -22.799 | 46.000 | 16.163 | QP |
| 6 | | | 405.390 | 23.310 | 6.281 | -22.690 | 46.000 | 17.029 | QP |

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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: 2018/06/27 - 20:00 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: VULB 9168_20-2000MHz | Polarity: Vertical |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| **Test Mode: 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 | | * | 39.215 | 31.765 | 18.042 | -8.235 | 40.000 | 13.723 | QP |
| 2 | | | 45.035 | 29.976 | 15.138 | -10.024 | 40.000 | 14.838 | QP |
| 3 | | | 78.500 | 30.657 | 21.426 | -9.343 | 40.000 | 9.232 | QP |
| 4 | | | 91.110 | 28.637 | 17.053 | -14.863 | 43.500 | 11.584 | QP |
| 5 | | | 146.885 | 25.402 | 15.834 | -18.098 | 43.500 | 9.568 | QP |
| 6 | | | 187.625 | 24.626 | 12.905 | -18.874 | 43.500 | 11.722 | QP |

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + 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 Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

### 7.7.3.Test Setting

**Peak Field Strength Measurements**

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

**Average Measurements above 1GHz (Method VB)**

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

2. RBW = 1MHz

3. VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.

If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.

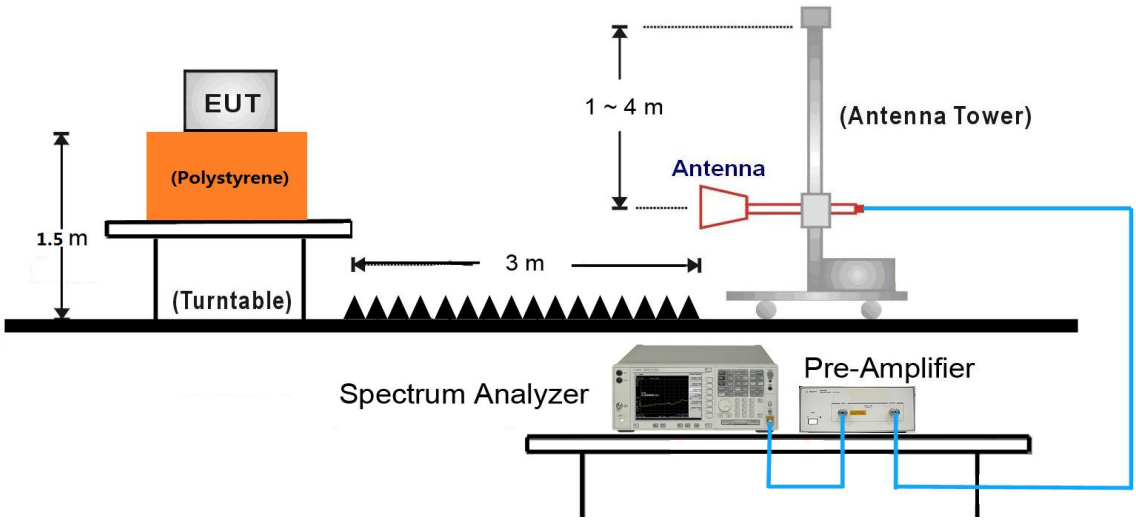
4. Detector = Peak

5. Sweep time = auto

6. Trace mode = max hold

7. Trace was allowed to stabilize

### 7.7.4.Test Setup

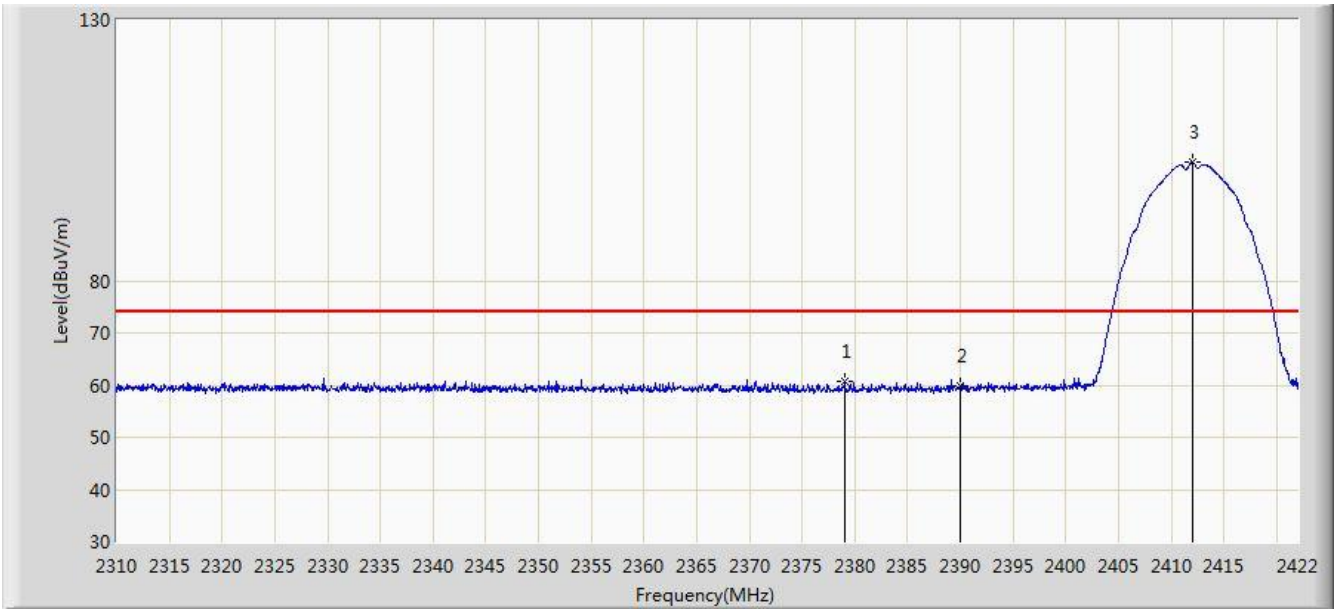



Note: This item was performed with the WIFI antenna connected.

### 7.7.5.Test Result

**For APIN0514 - Omni Antenna (AP-ANT20W)**

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 22:21 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0 + 1 | |

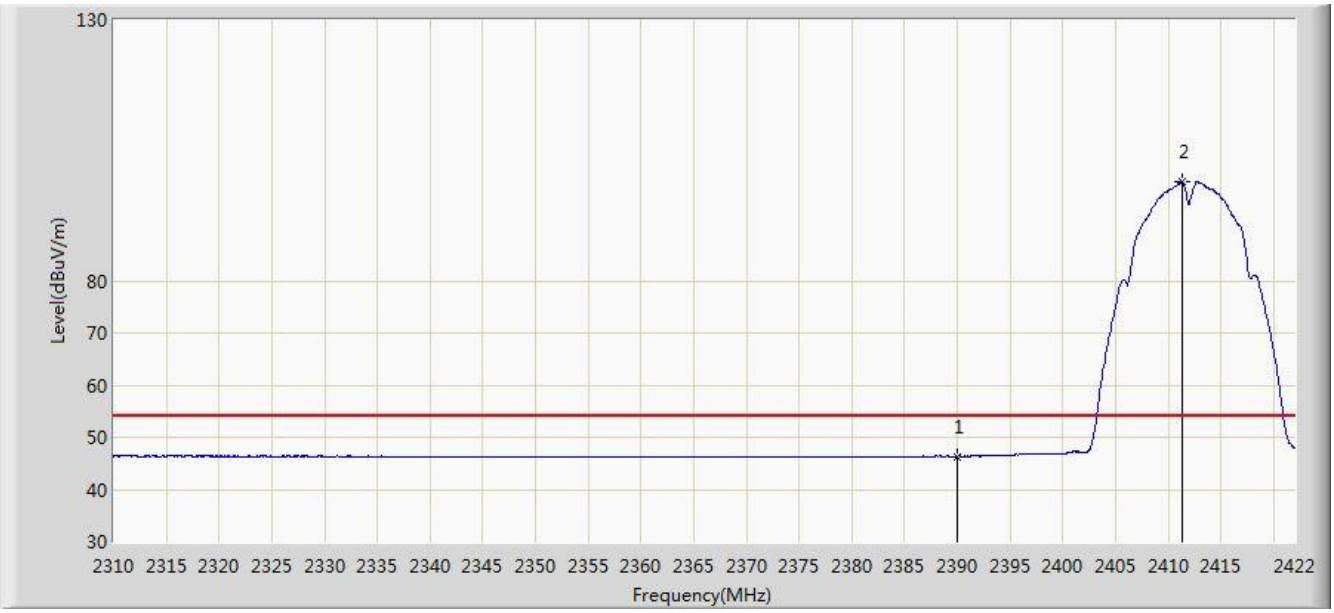



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2379.048 | 60.840 | 28.271 | -13.160 | 74.000 | 32.570 | PK |
| 2 | | | 2390.000 | 59.776 | 27.222 | -14.224 | 74.000 | 32.554 | PK |
| 3 | | | 2411.976 | 102.673 | 70.147 | N/A | N/A | 32.526 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 22:32 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0 + 1 | |

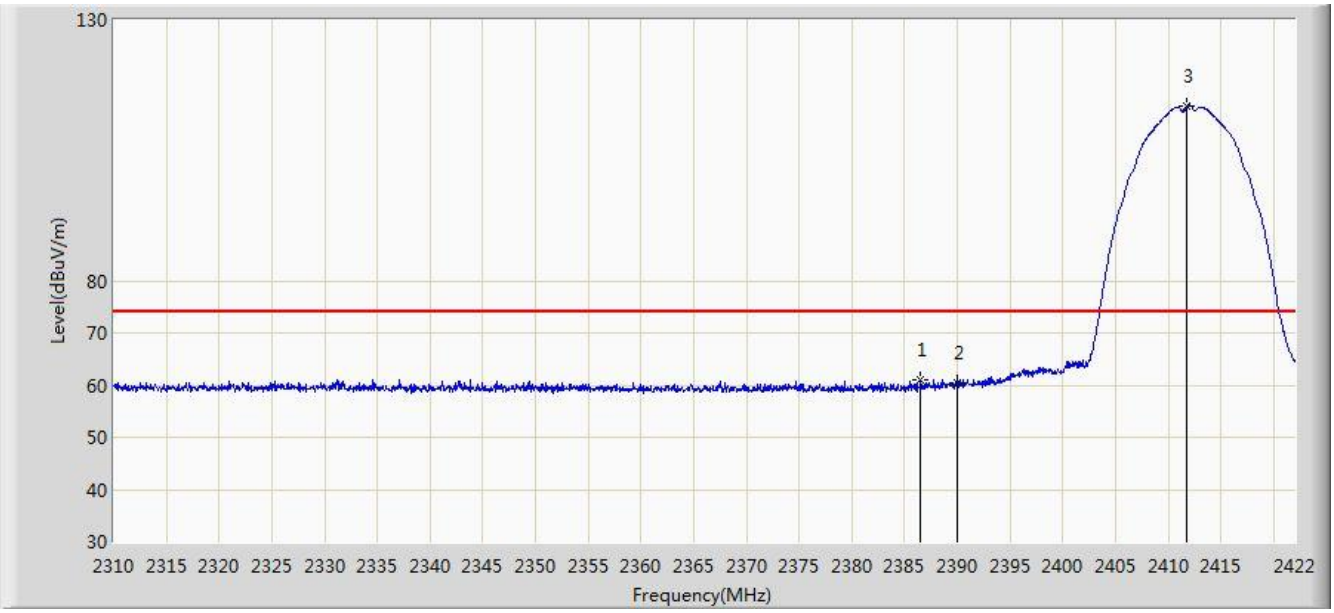



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 46.344 | 13.790 | -7.656 | 54.000 | 32.554 | AV |
| 2 | | | 2411.304 | 99.019 | 66.493 | N/A | N/A | 32.526 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 22:35 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0 + 1 | |

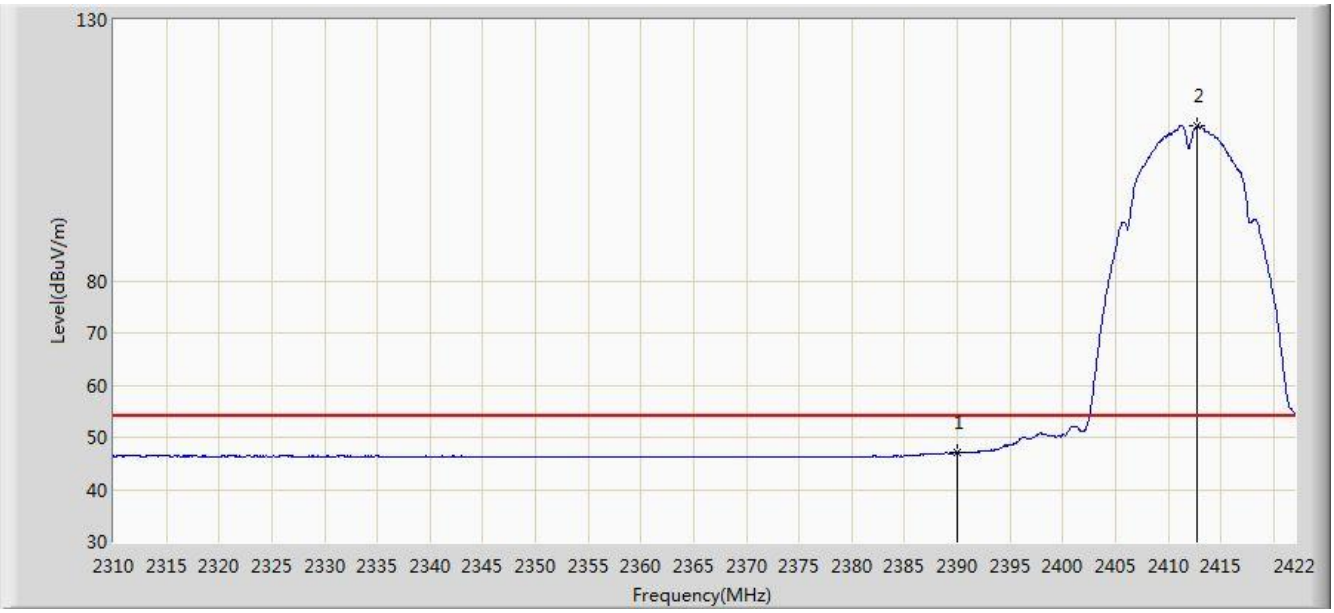



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2386.552 | 60.948 | 28.389 | -13.052 | 74.000 | 32.559 | PK |
| 2 | | | 2390.000 | 60.535 | 27.981 | -13.465 | 74.000 | 32.554 | PK |
| 3 | | | 2411.808 | 113.506 | 80.980 | N/A | N/A | 32.526 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 22:39 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0 + 1 | |

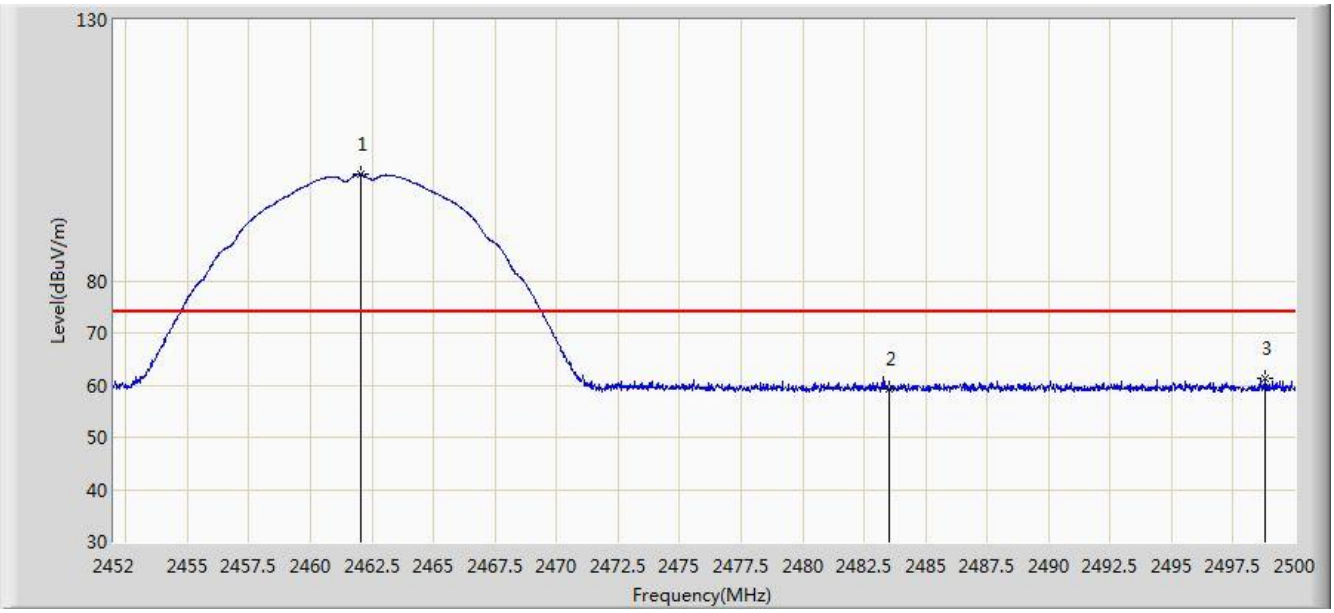



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 47.046 | 14.492 | -6.954 | 54.000 | 32.554 | AV |
| 2 | X | | 2412.760 | 109.681 | 77.156 | N/A | N/A | 32.525 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 22:50 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 0 + 1 | |

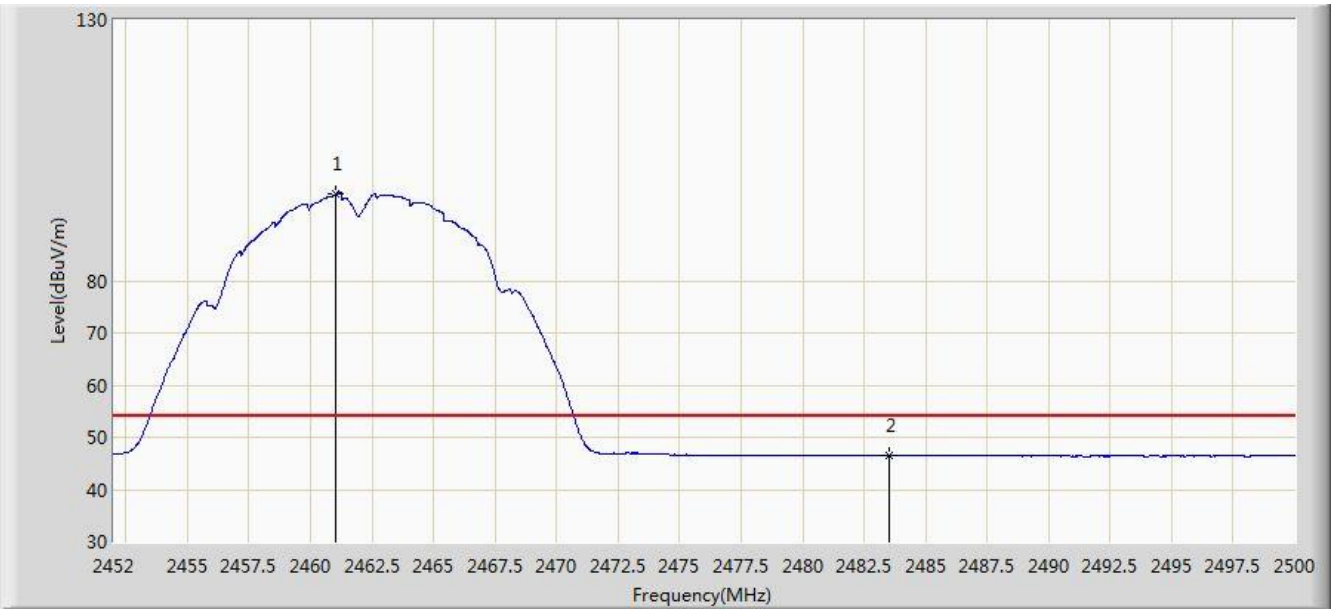



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2462.056 | 100.350 | 67.834 | N/A | N/A | 32.516 | PK |
| 2 | | | 2483.500 | 59.260 | 26.679 | -14.740 | 74.000 | 32.580 | PK |
| 3 | | | 2498.824 | 61.273 | 28.648 | -12.727 | 74.000 | 32.625 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 22:55 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 0 + 1 | |

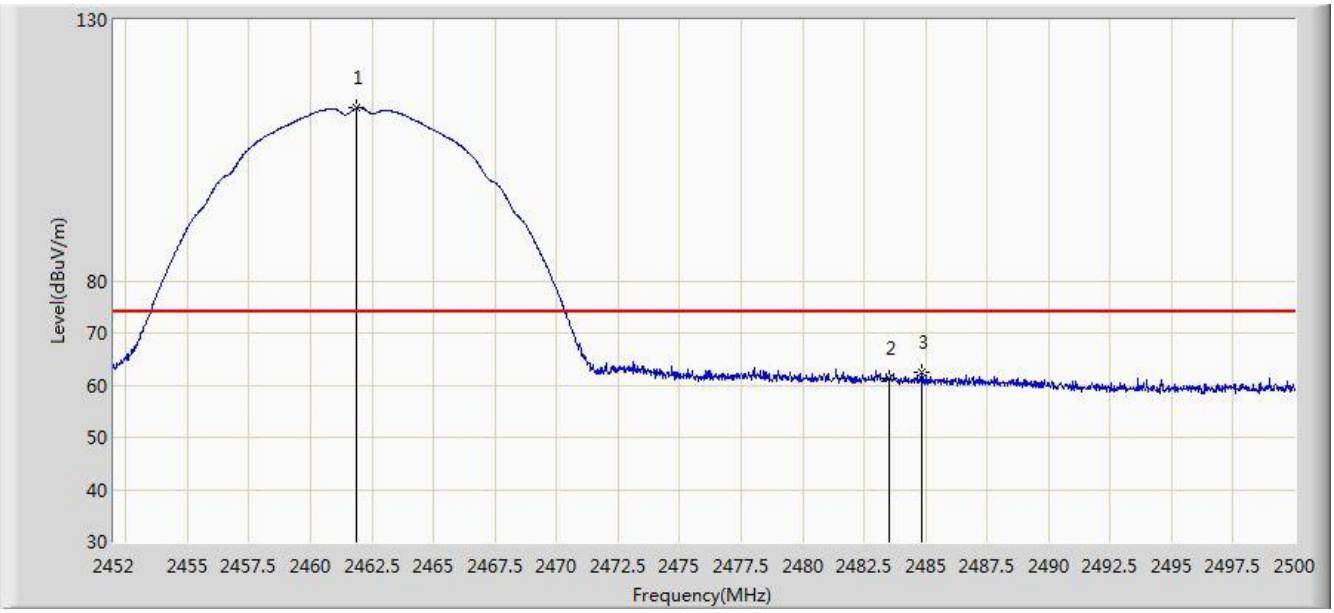



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2461.048 | 96.654 | 64.139 | N/A | N/A | 32.514 | AV |
| 2 | | | 2483.500 | 46.477 | 13.896 | -7.523 | 54.000 | 32.580 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 22:56 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 0 + 1 | |

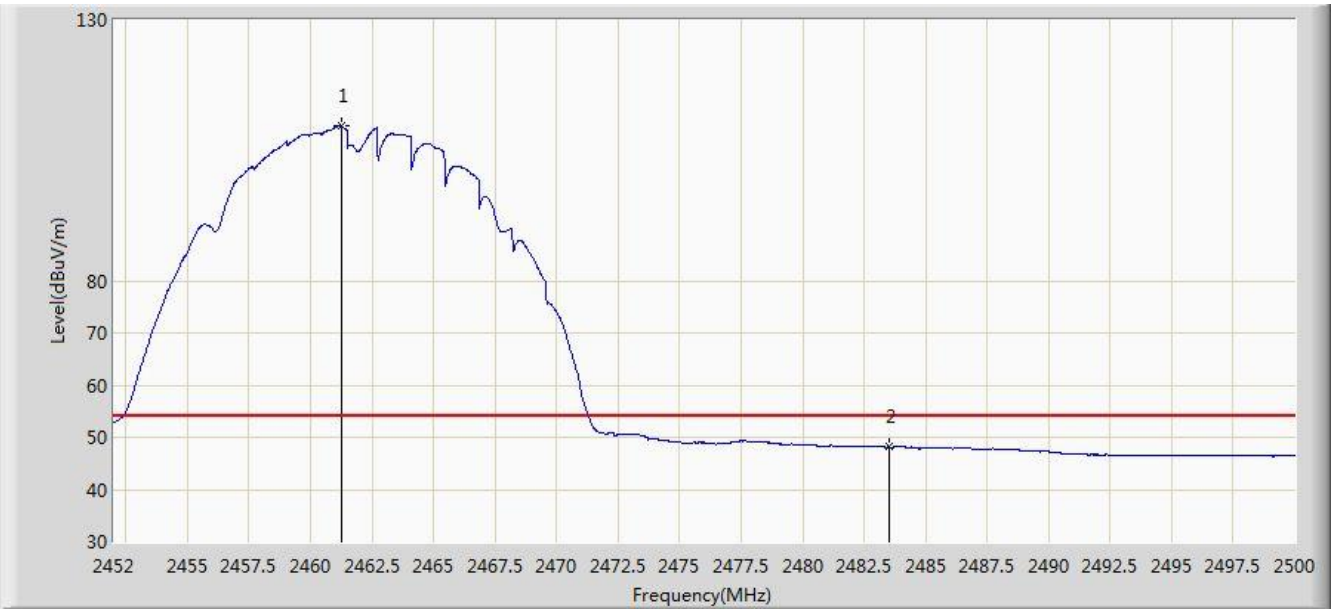



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2461.888 | 113.081 | 80.565 | N/A | N/A | 32.516 | PK |
| 2 | | | 2483.500 | 61.183 | 28.602 | -12.817 | 74.000 | 32.580 | PK |
| 3 | | | 2484.856 | 62.512 | 29.927 | -11.488 | 74.000 | 32.585 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 22:59 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 0 + 1 | |

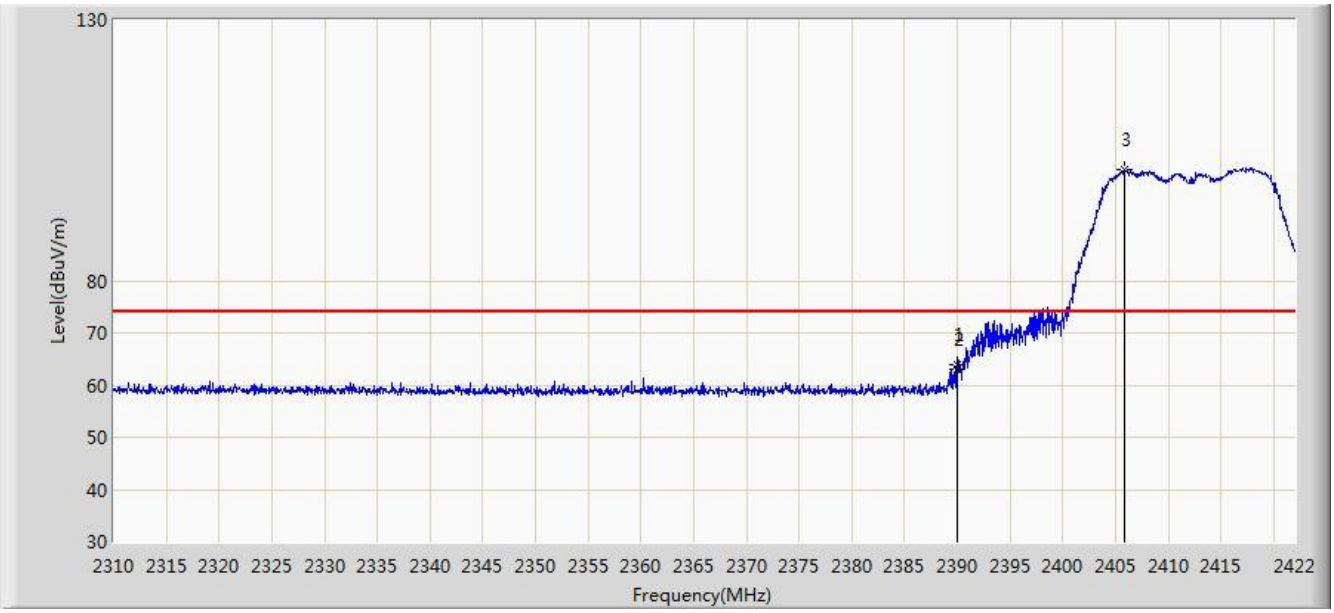



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | X | | 2461.240 | 109.702 | 77.187 | N/A | N/A | 32.515 | AV |
| 2 | | | 2483.500 | 48.146 | 15.565 | -5.854 | 54.000 | 32.580 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 23:11 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0 + 1 | |

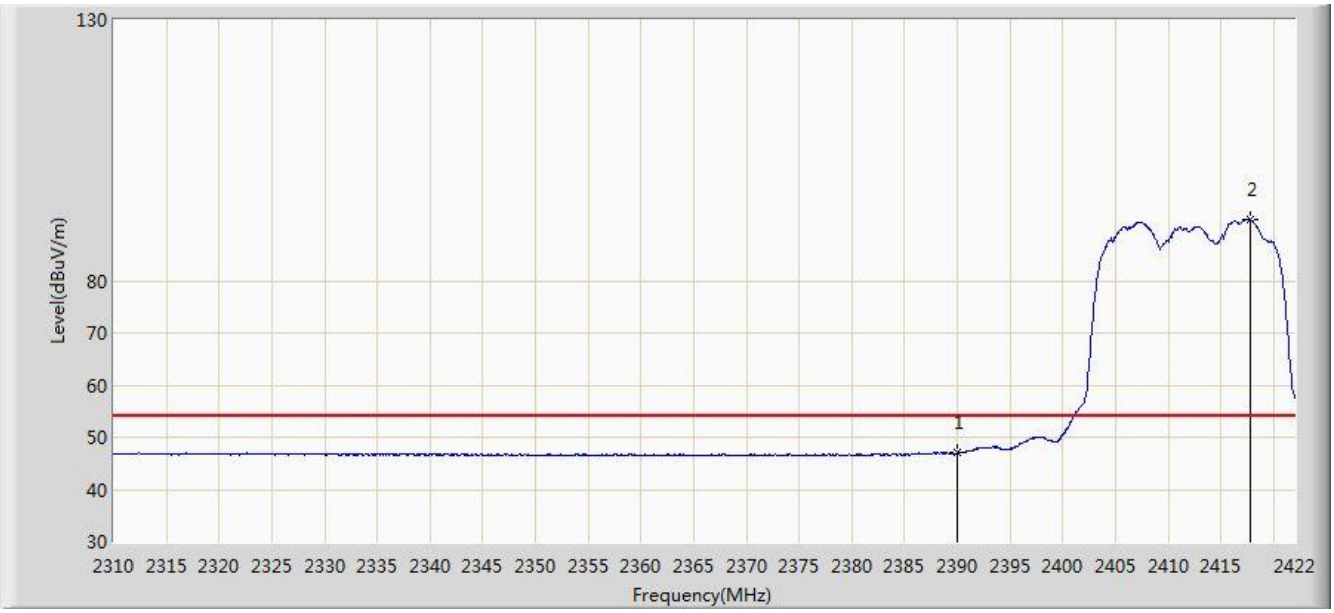



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2389.968 | 63.902 | 31.348 | -10.098 | 74.000 | 32.554 | PK |
| 2 | | | 2390.000 | 63.154 | 30.600 | -10.846 | 74.000 | 32.554 | PK |
| 3 | | | 2405.928 | 101.334 | 68.801 | N/A | N/A | 32.534 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 23:13 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0 + 1 | |

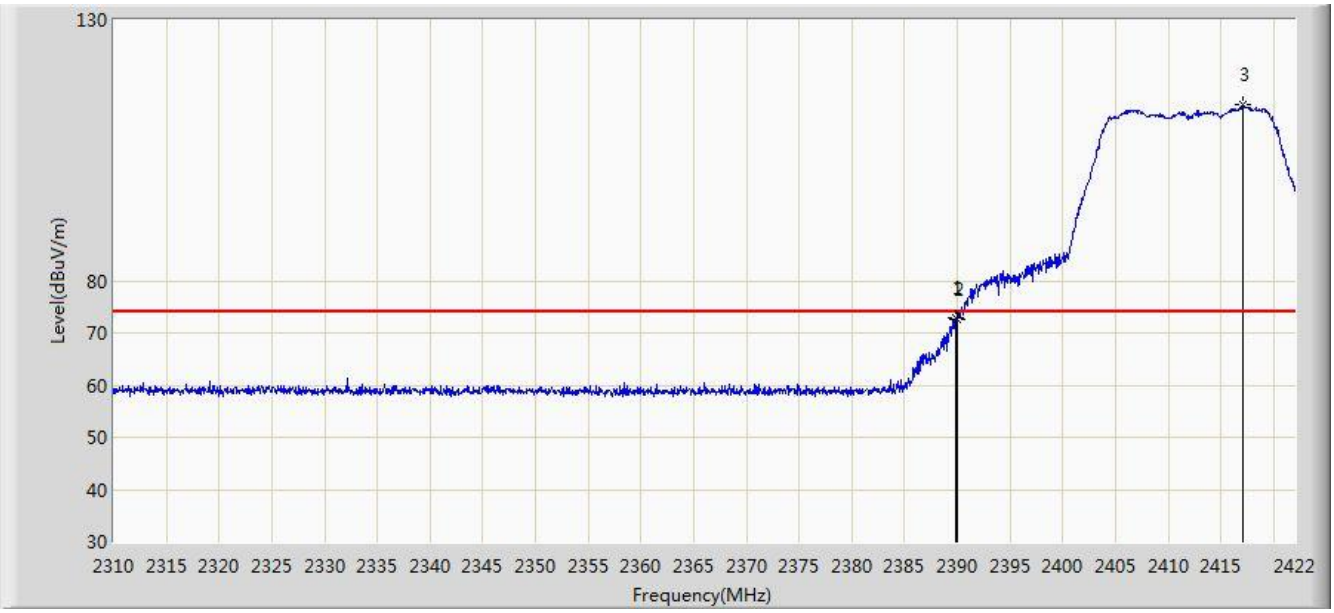



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 47.047 | 14.493 | -6.953 | 54.000 | 32.554 | AV |
| 2 | | | 2417.744 | 91.712 | 59.193 | N/A | N/A | 32.519 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 23:06 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0 + 1 | |

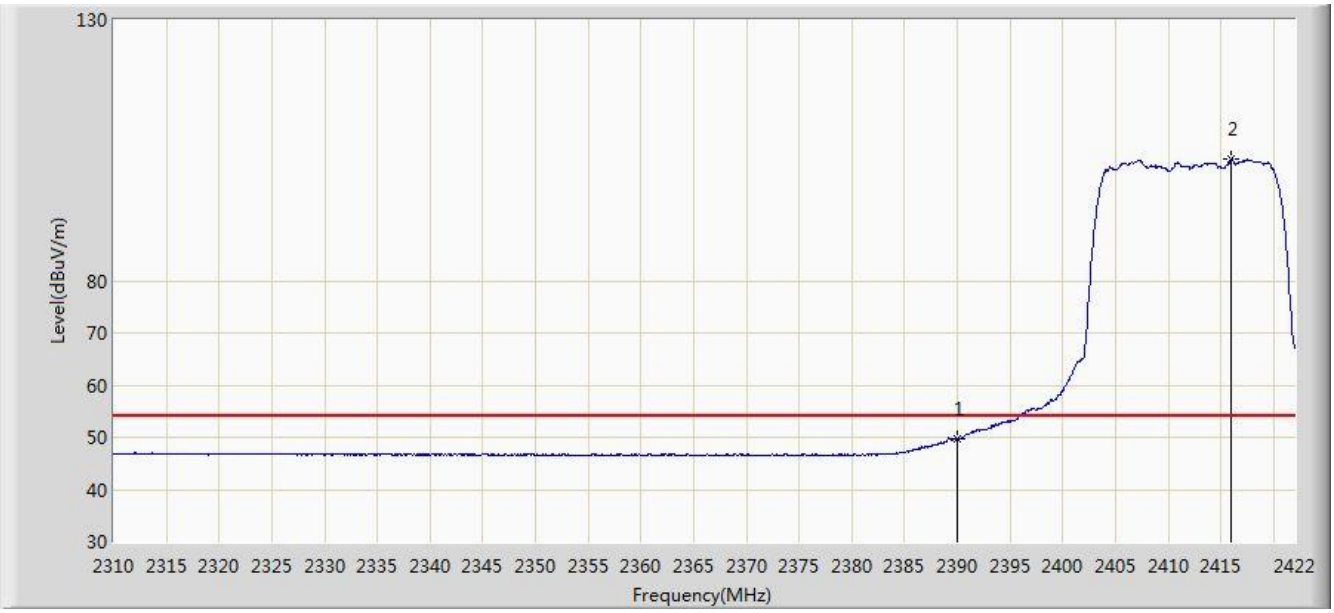



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2389.912 | 72.816 | 40.261 | -1.184 | 74.000 | 32.555 | PK |
| 2 | | | 2390.000 | 72.680 | 40.126 | -1.320 | 74.000 | 32.554 | PK |
| 3 | | | 2417.072 | 113.720 | 81.200 | N/A | N/A | 32.519 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 23:09 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0 + 1 | |

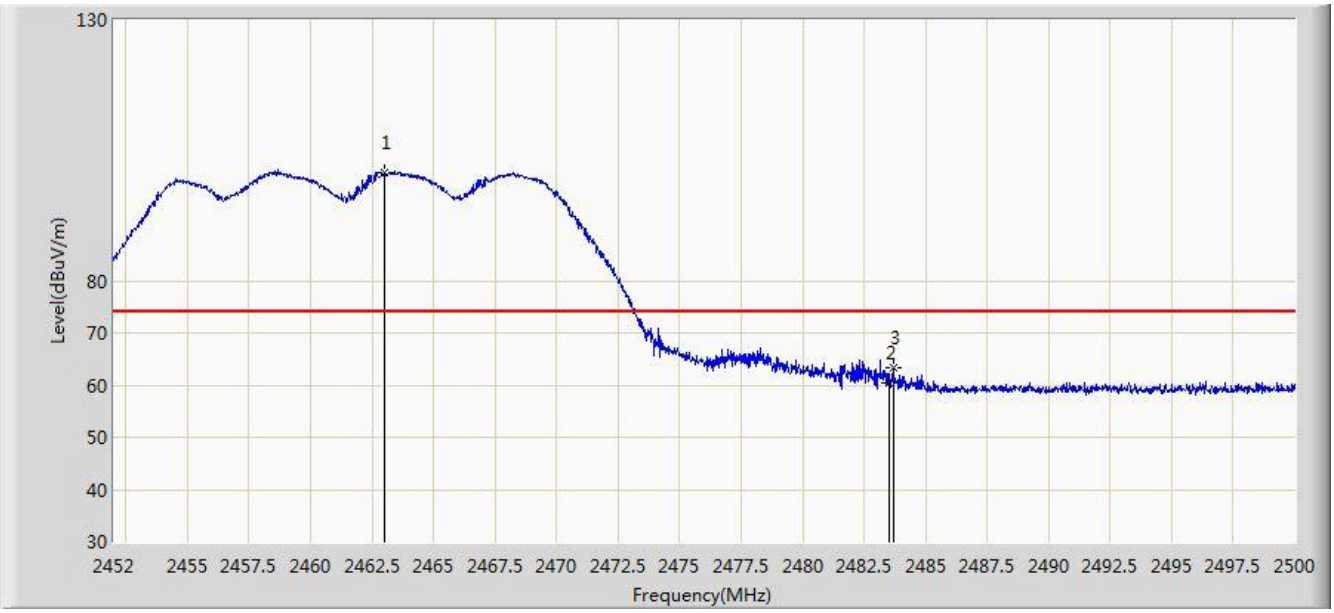



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 49.679 | 17.125 | -4.321 | 54.000 | 32.554 | AV |
| 2 | | | 2416.008 | 103.261 | 70.740 | N/A | N/A | 32.521 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 23:29 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0 + 1 | |

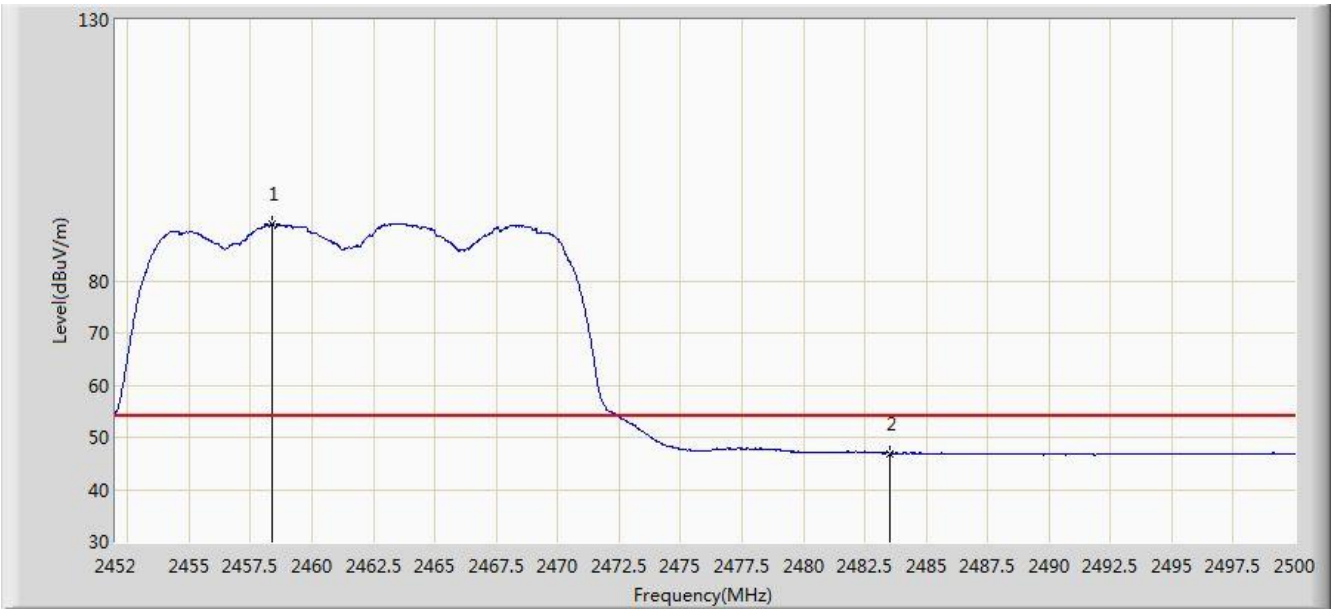



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2462.992 | 100.840 | 68.321 | N/A | N/A | 32.519 | PK |
| 2 | | | 2483.500 | 60.337 | 27.756 | -13.663 | 74.000 | 32.580 | PK |
| 3 | | | 2483.680 | 63.355 | 30.774 | -10.645 | 74.000 | 32.582 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 23:31 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0 + 1 | |

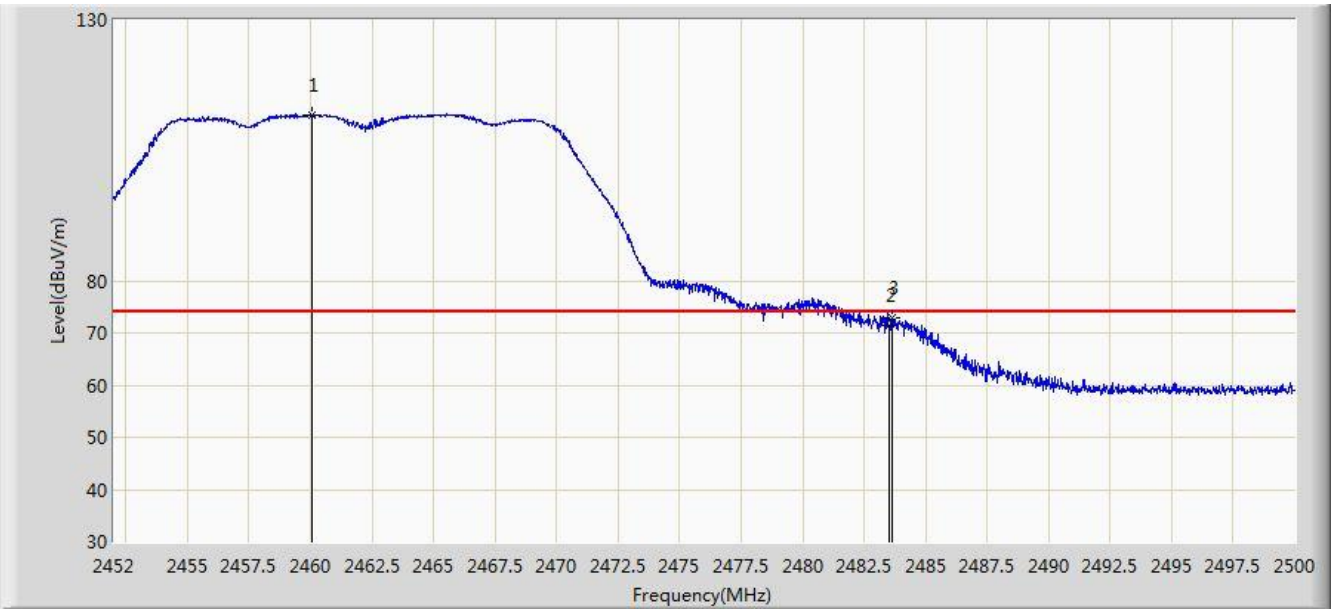



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2458.384 | 90.910 | 58.400 | N/A | N/A | 32.510 | AV |
| 2 | | | 2483.500 | 46.938 | 14.357 | -7.062 | 54.000 | 32.580 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 23:25 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0 + 1 | |

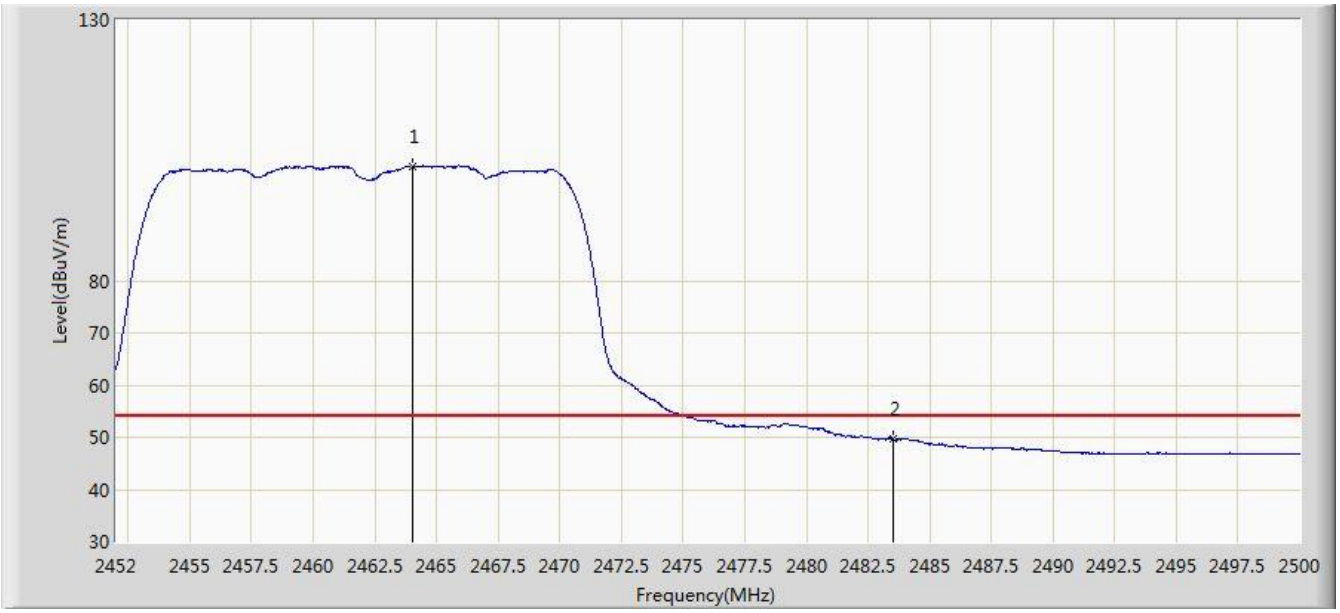



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2460.040 | 111.843 | 79.330 | N/A | N/A | 32.513 | PK |
| 2 | | | 2483.500 | 71.339 | 38.758 | -2.661 | 74.000 | 32.580 | PK |
| 3 | | | 2483.656 | 72.789 | 40.208 | -1.211 | 74.000 | 32.581 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 23:27 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0 + 1 | |

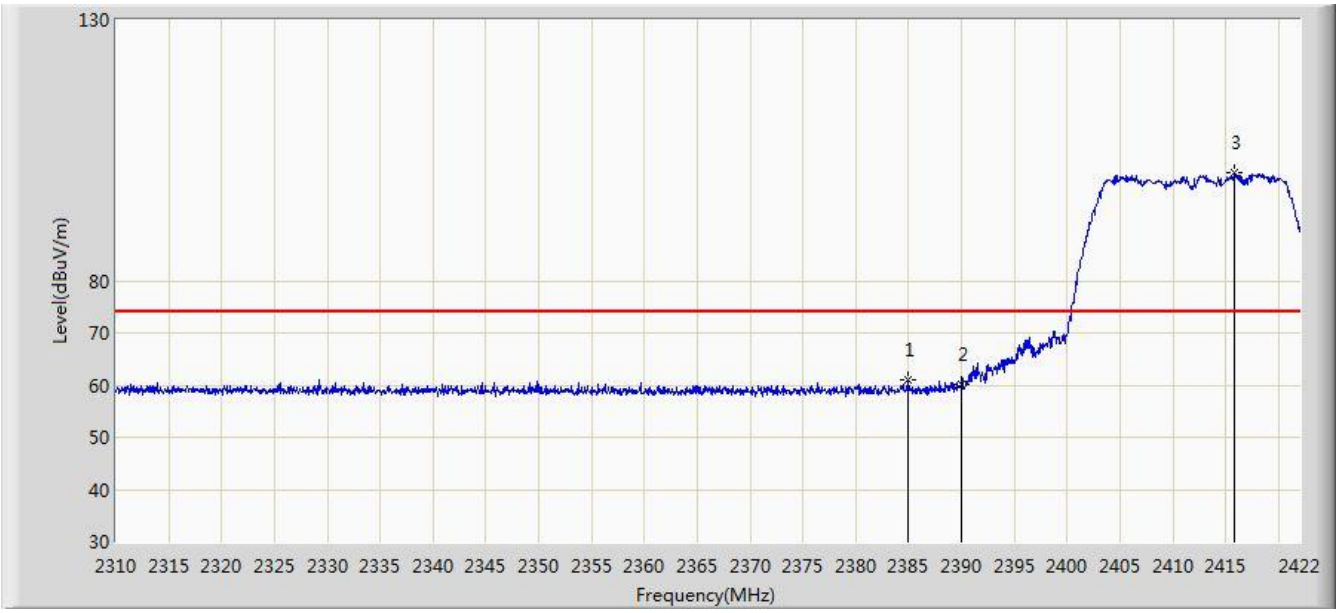



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2464.048 | 101.906 | 69.384 | N/A | N/A | 32.523 | AV |
| 2 | | | 2483.500 | 49.580 | 16.999 | -4.420 | 54.000 | 32.580 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 23:38 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0 + 1 | |

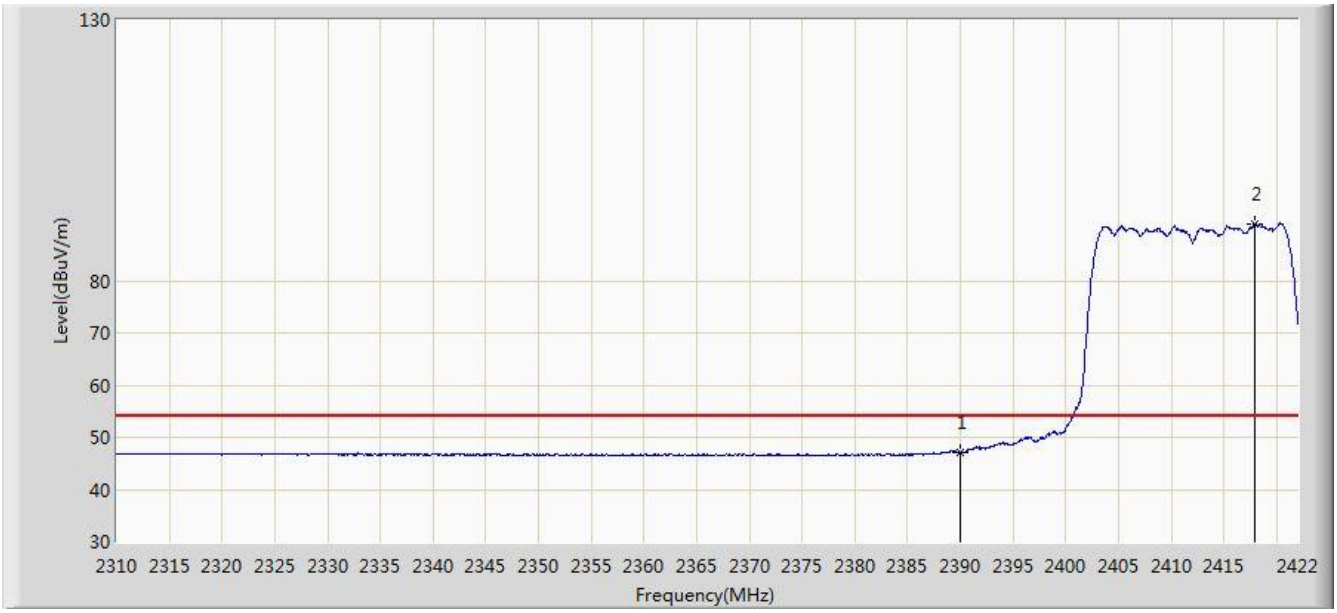



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2384.984 | 61.114 | 28.553 | -12.886 | 74.000 | 32.561 | PK |
| 2 | | | 2390.000 | 60.250 | 27.696 | -13.750 | 74.000 | 32.554 | PK |
| 3 | | | 2415.840 | 100.600 | 68.079 | N/A | N/A | 32.521 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 23:40 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0 + 1 | |

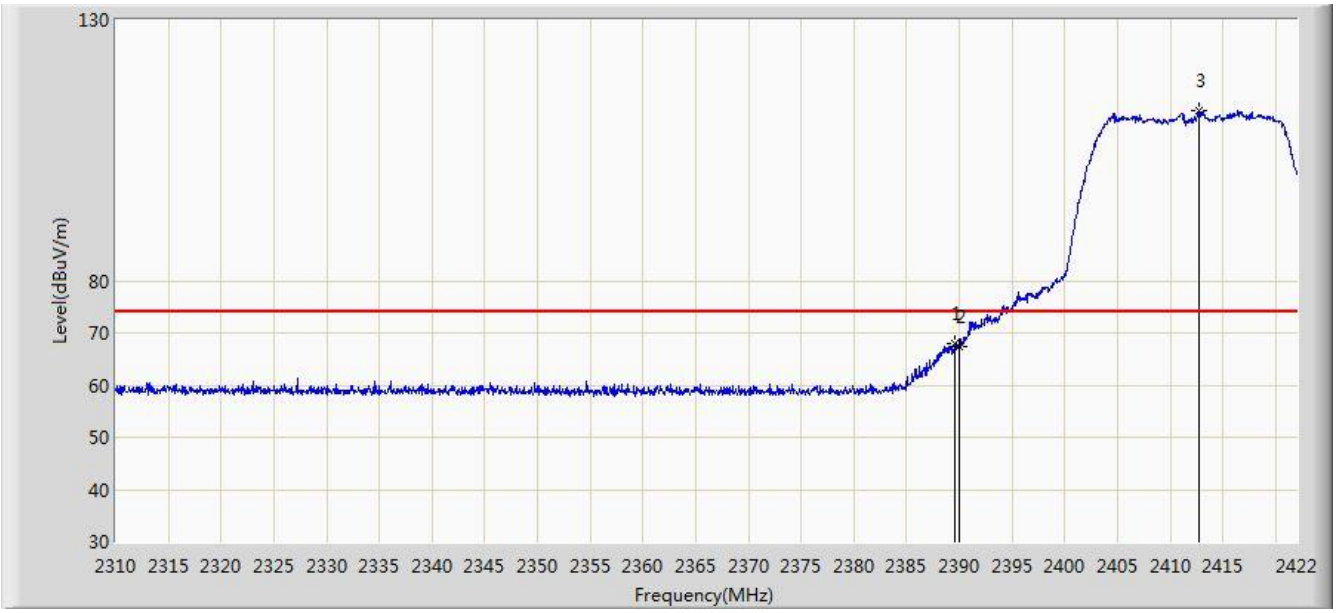



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 47.137 | 14.583 | -6.863 | 54.000 | 32.554 | AV |
| 2 | | | 2417.912 | 90.982 | 58.463 | N/A | N/A | 32.518 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 23:32 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0 + 1 | |

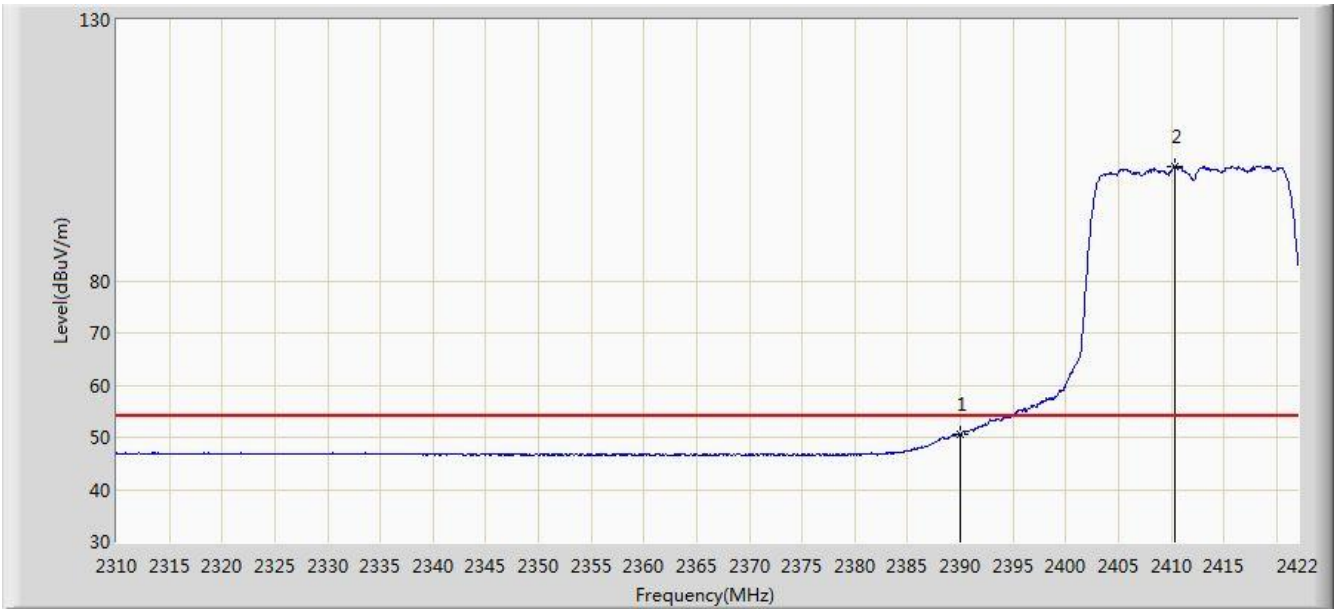



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2389.576 | 67.899 | 35.344 | -6.101 | 74.000 | 32.555 | PK |
| 2 | | | 2390.000 | 67.487 | 34.933 | -6.513 | 74.000 | 32.554 | PK |
| 3 | | | 2412.704 | 112.466 | 79.941 | N/A | N/A | 32.525 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 23:36 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0 + 1 | |

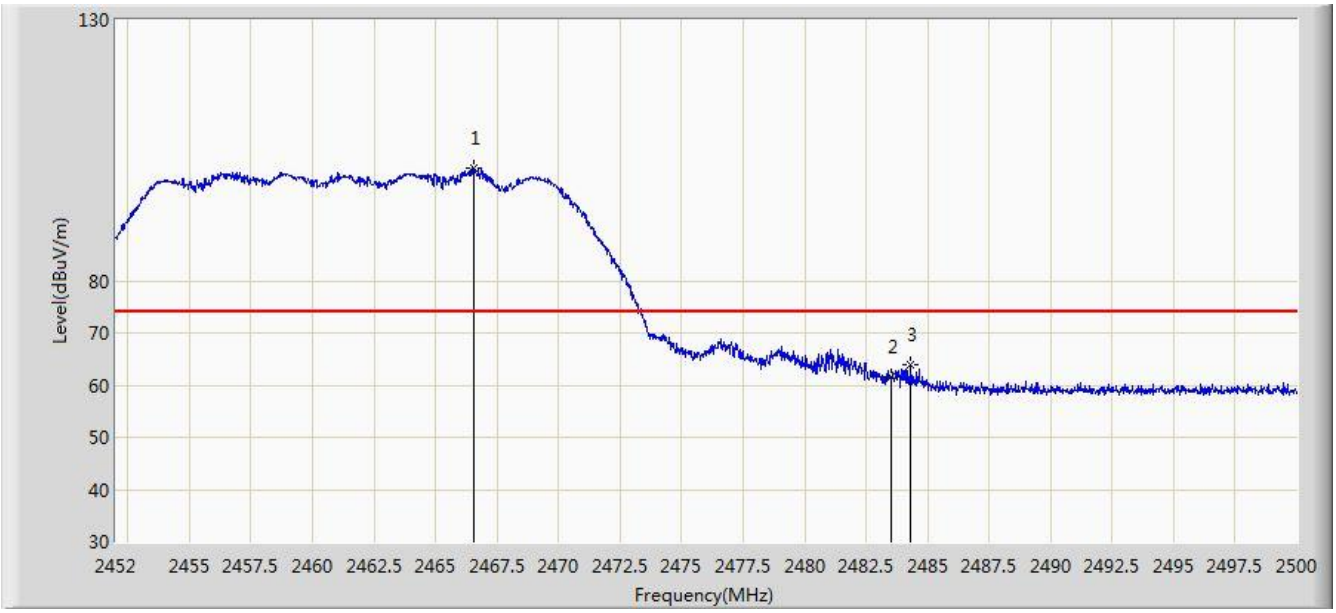



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 50.621 | 18.067 | -3.379 | 54.000 | 32.554 | AV |
| 2 | | | 2410.296 | 101.910 | 69.382 | N/A | N/A | 32.528 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 23:50 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0 + 1 | |

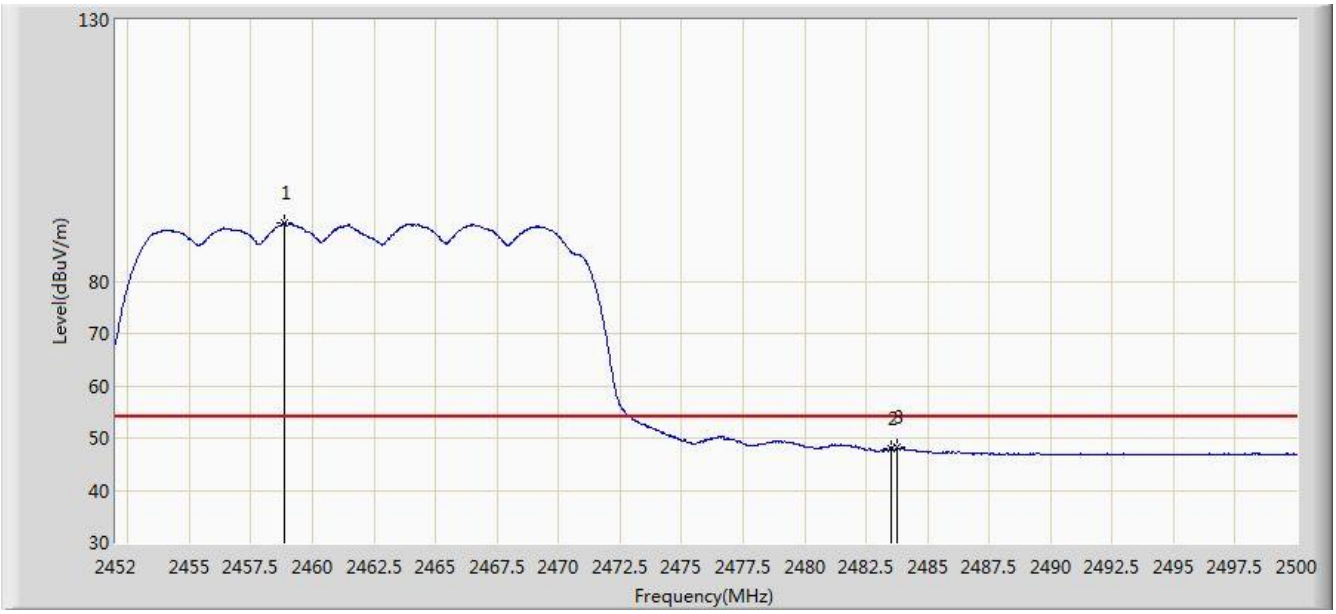



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2466.544 | 101.660 | 69.130 | N/A | N/A | 32.530 | PK |
| 2 | | | 2483.500 | 61.553 | 28.972 | -12.447 | 74.000 | 32.580 | PK |
| 3 | | | 2484.328 | 63.837 | 31.254 | -10.163 | 74.000 | 32.583 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 23:52 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0 + 1 | |

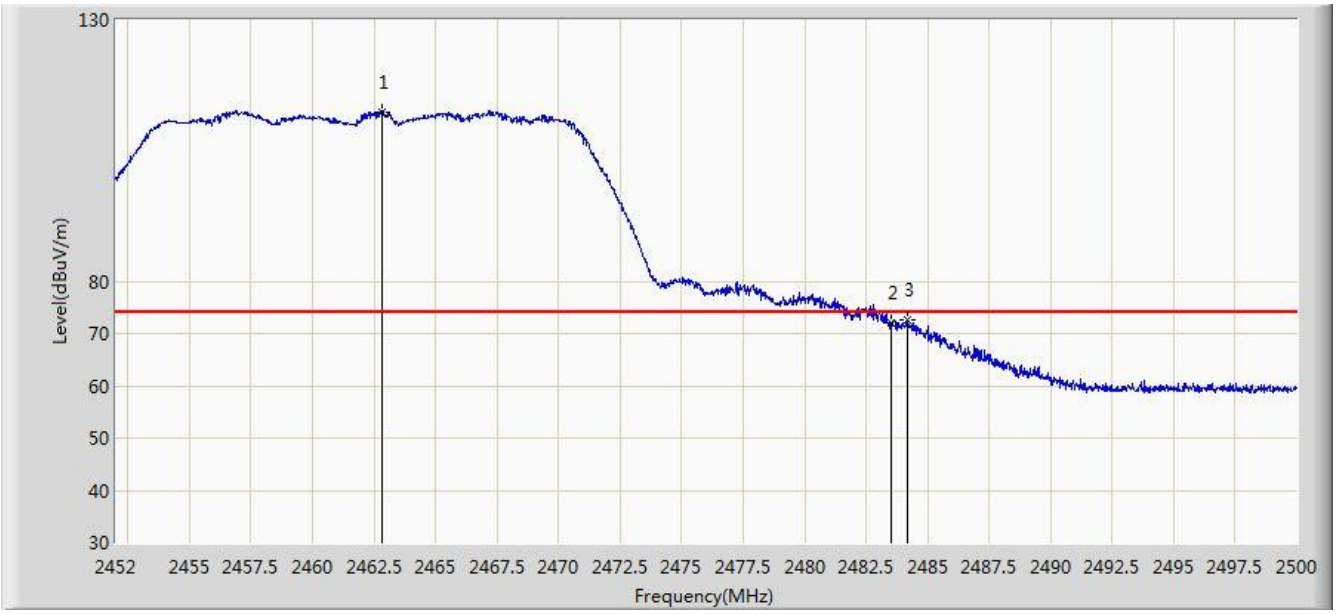



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2458.840 | 91.091 | 58.580 | N/A | N/A | 32.511 | AV |
| 2 | | | 2483.500 | 47.984 | 15.403 | -6.016 | 54.000 | 32.580 | AV |
| 3 | | | 2483.752 | 48.166 | 15.585 | -5.834 | 54.000 | 32.582 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2018/06/21 - 23:45 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0 + 1 | |




| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2462.800 | 112.456 | 79.937 | N/A | N/A | 32.518 | PK |
| 2 | | | 2483.500 | 72.017 | 39.436 | -1.983 | 74.000 | 32.580 | PK |
| 3 | | | 2484.160 | 72.487 | 39.904 | -1.513 | 74.000 | 32.582 | PK |

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

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