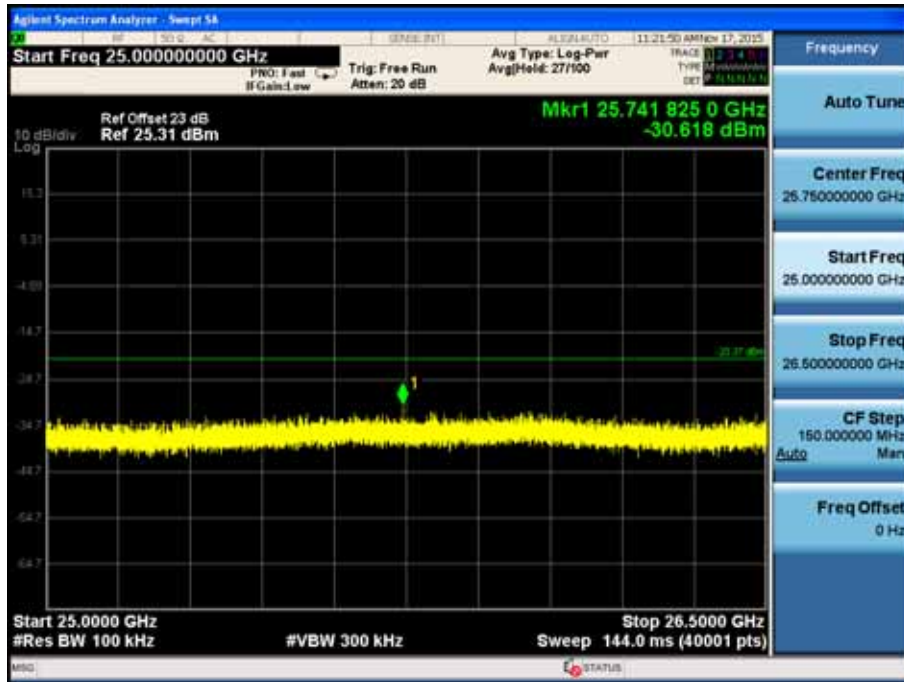
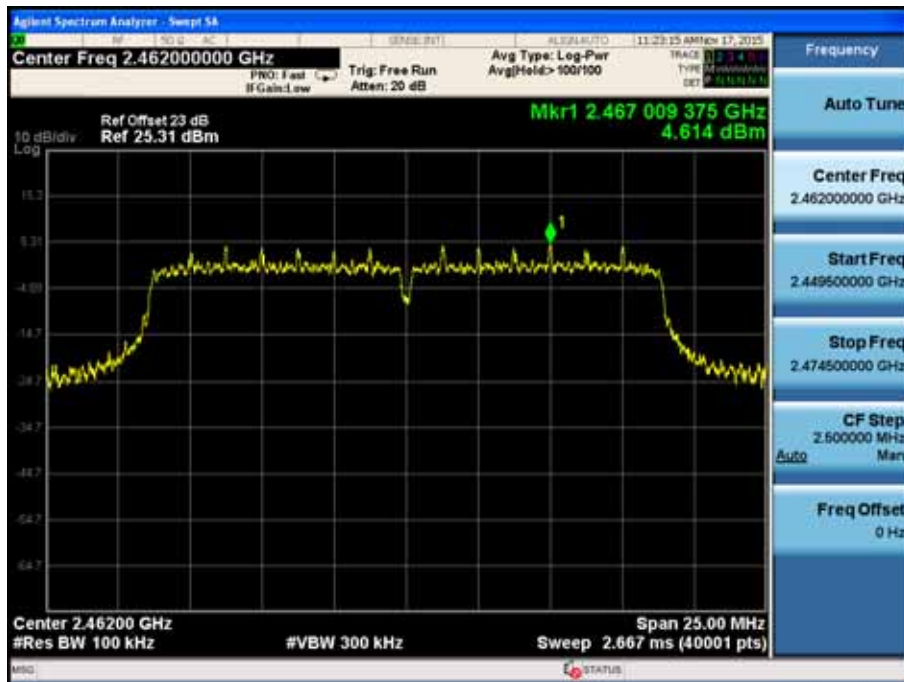


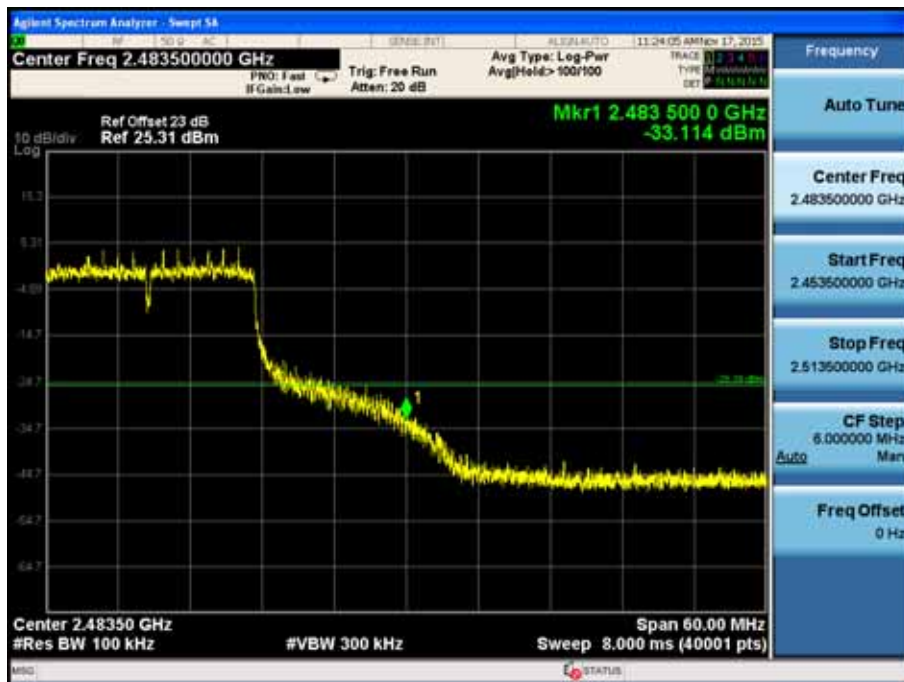


### Channel 11 (2462MHz)

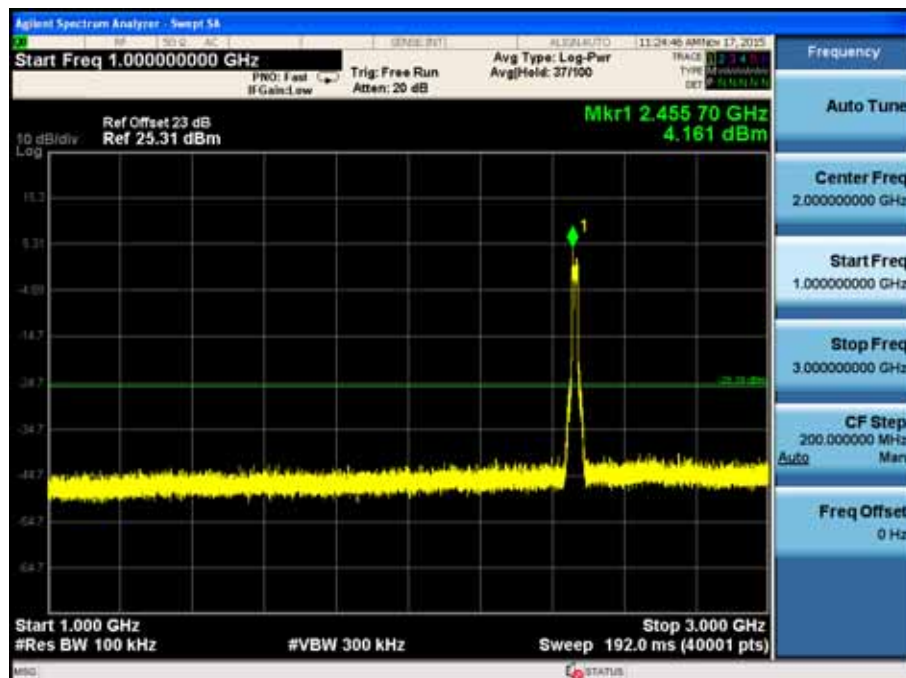
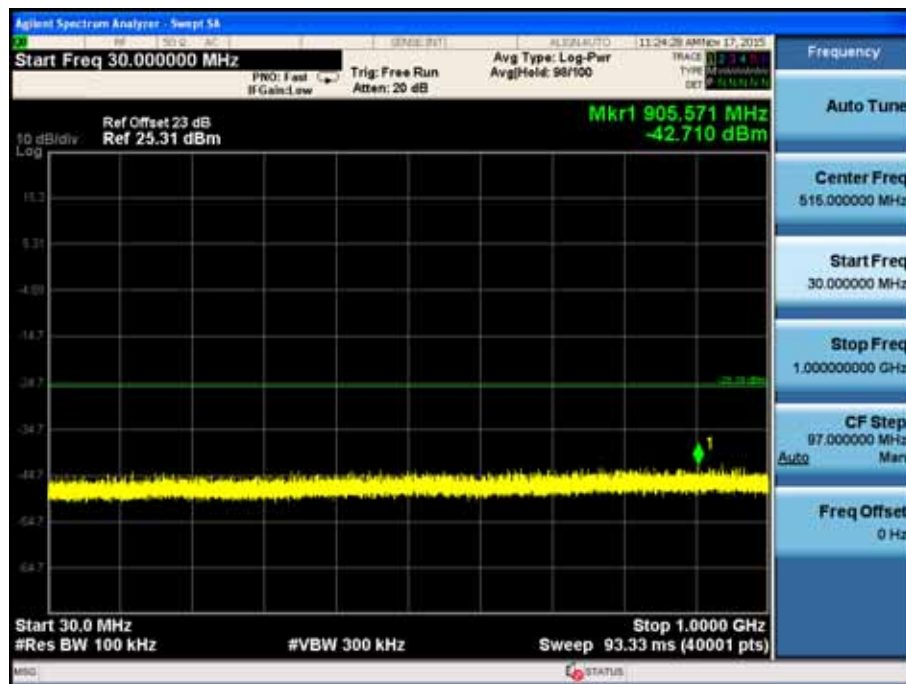
Reference Level – Frequency H

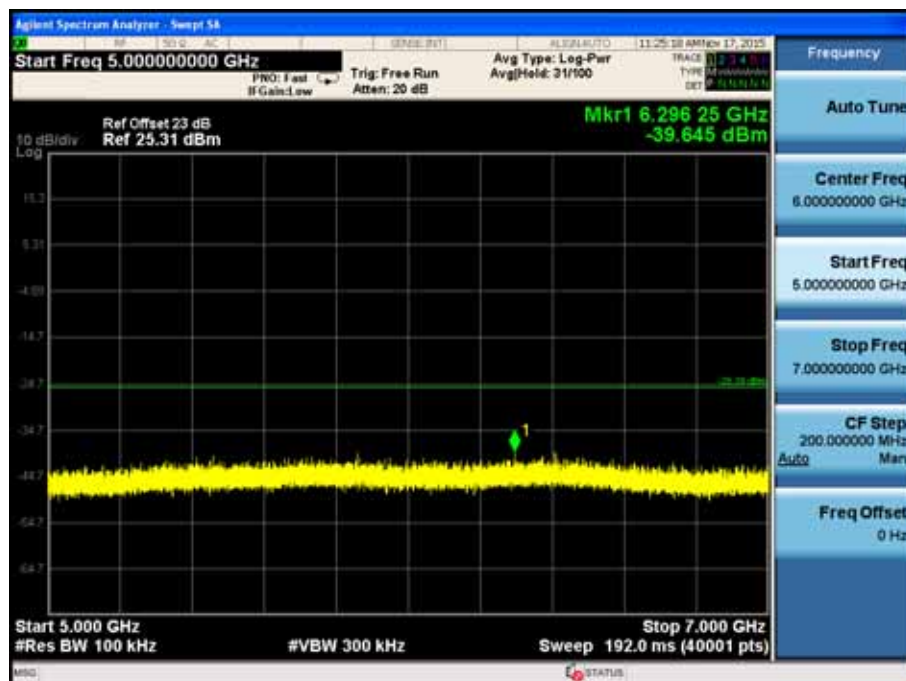
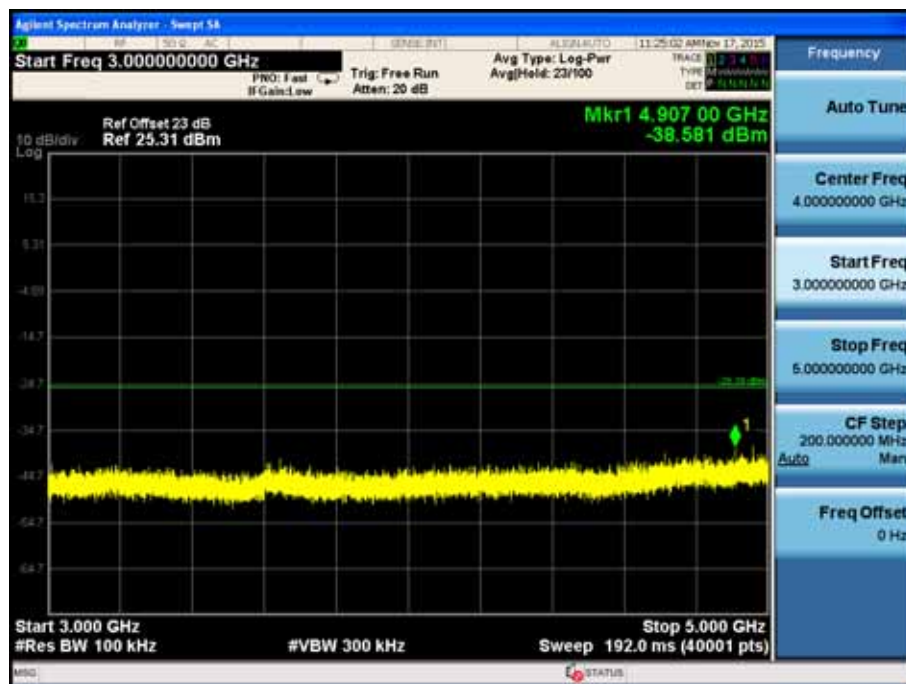


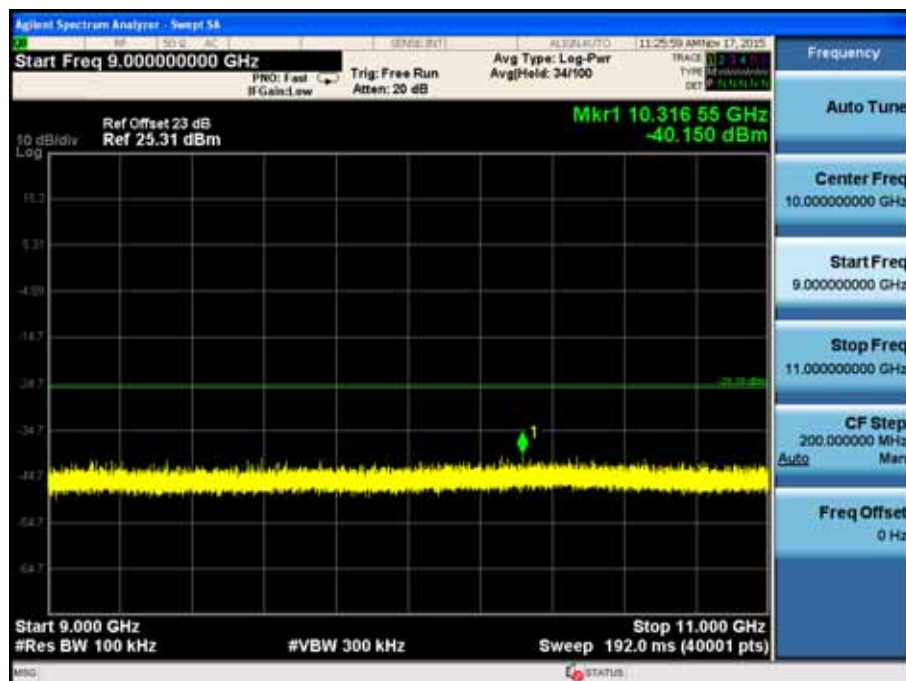
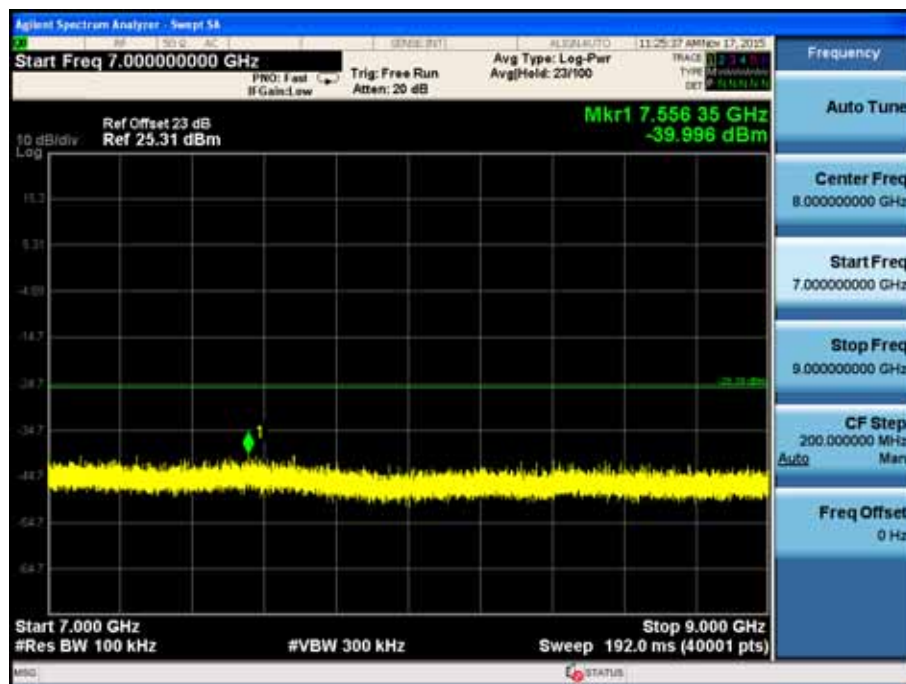
### High Band Edge - Frequency H

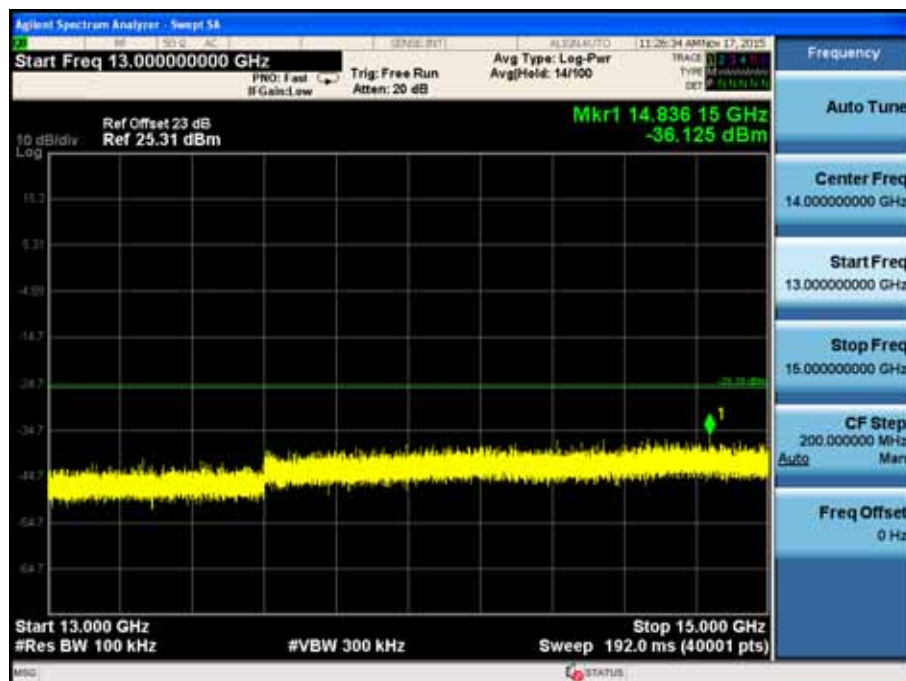
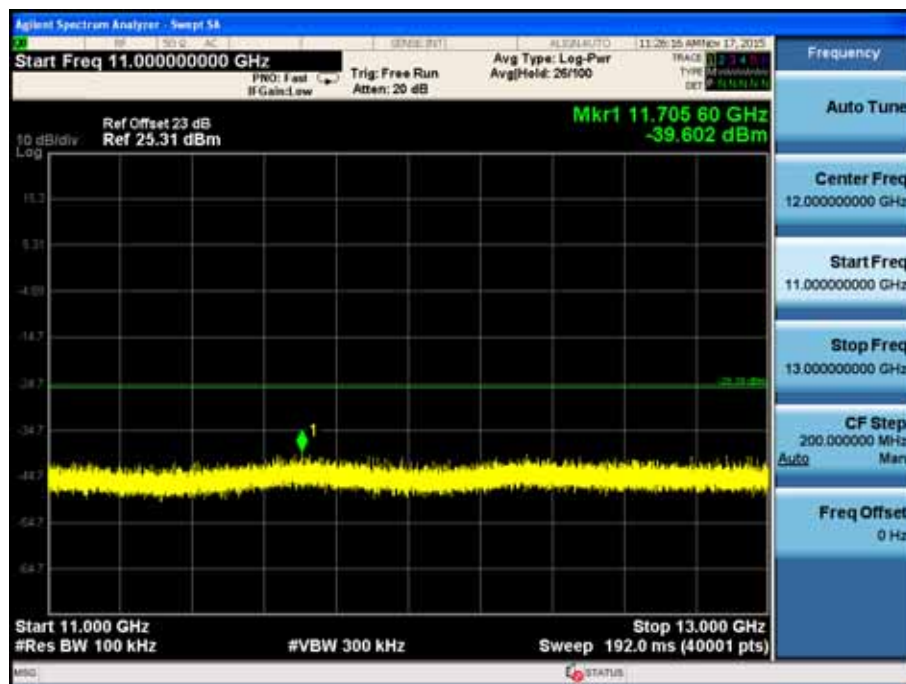


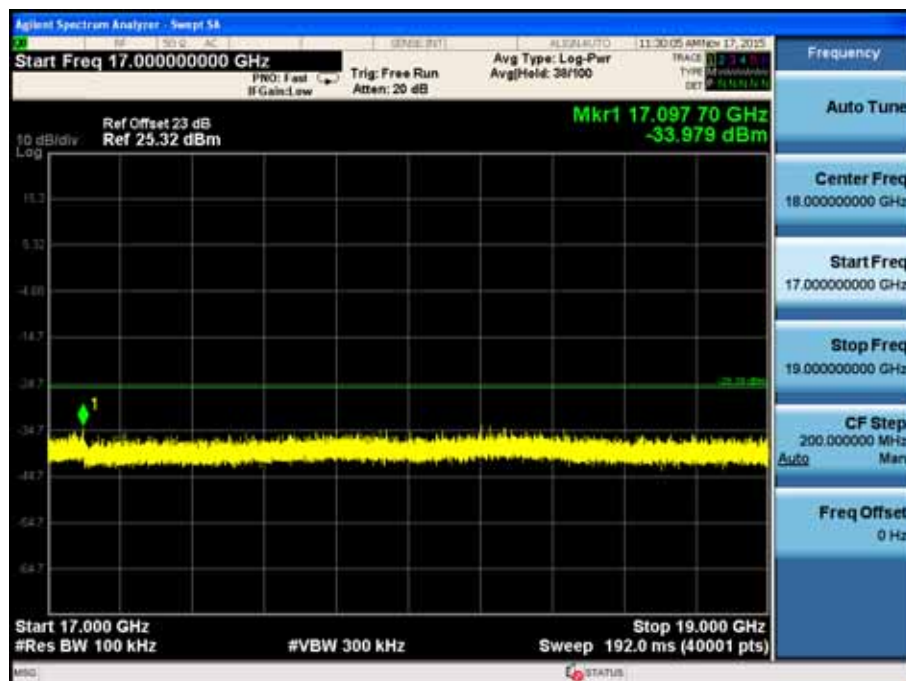
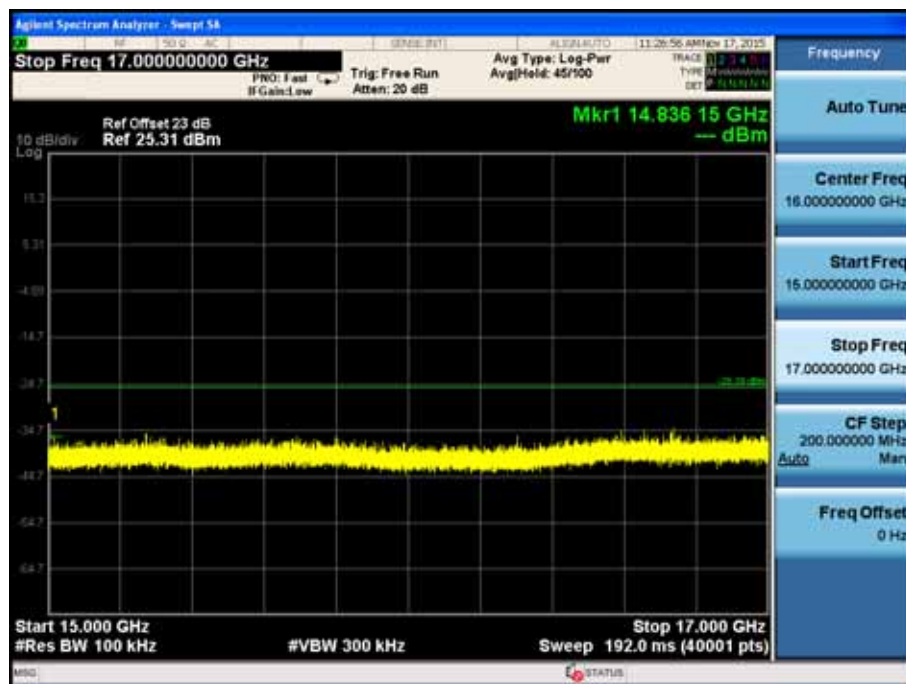
## Spurious Emission 30MHz ~ 25GHz - Frequency H

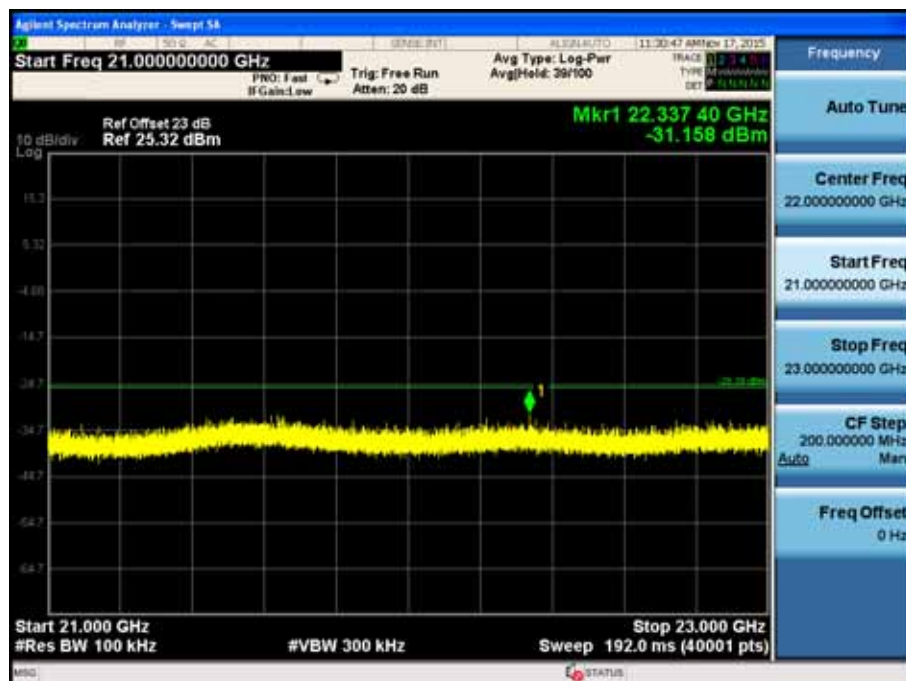
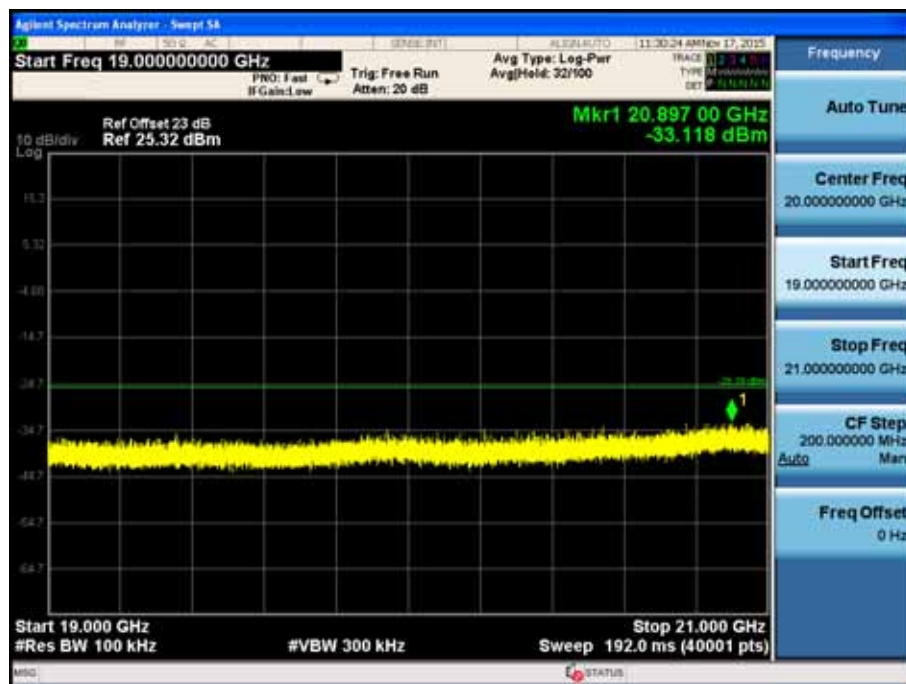


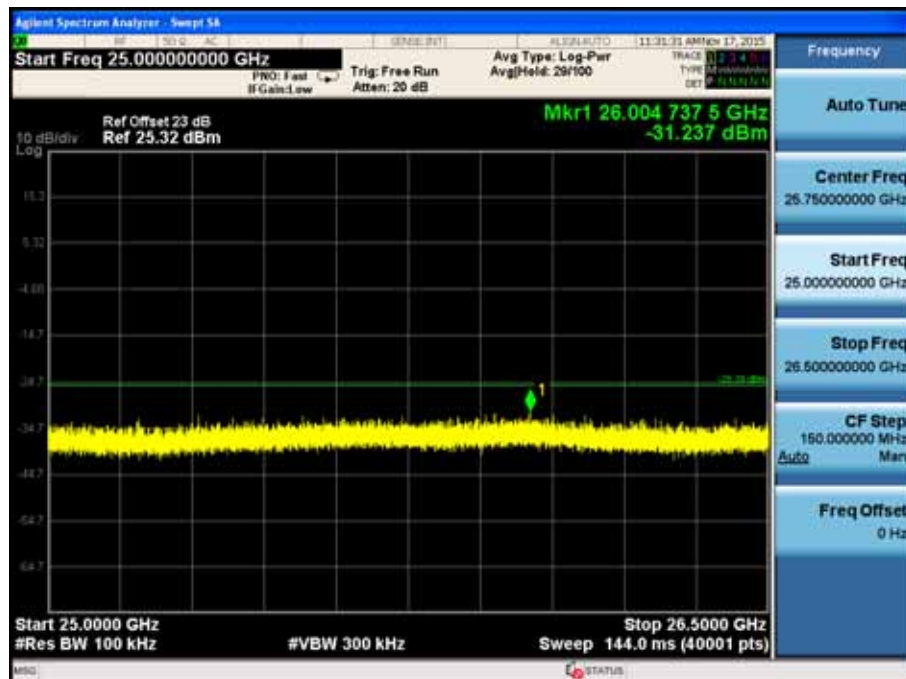












|           |   |                                    |
|-----------|---|------------------------------------|
| Product   | : | Wi-Fi Smart Plug                   |
| Test Item | : | RF Antenna Conducted Spurious      |
| Test Site | : | TR-8                               |
| Test Mode | : | Mode 4: Transmit by 802.11n(40MHz) |

### Channel 03 (2422MHz)

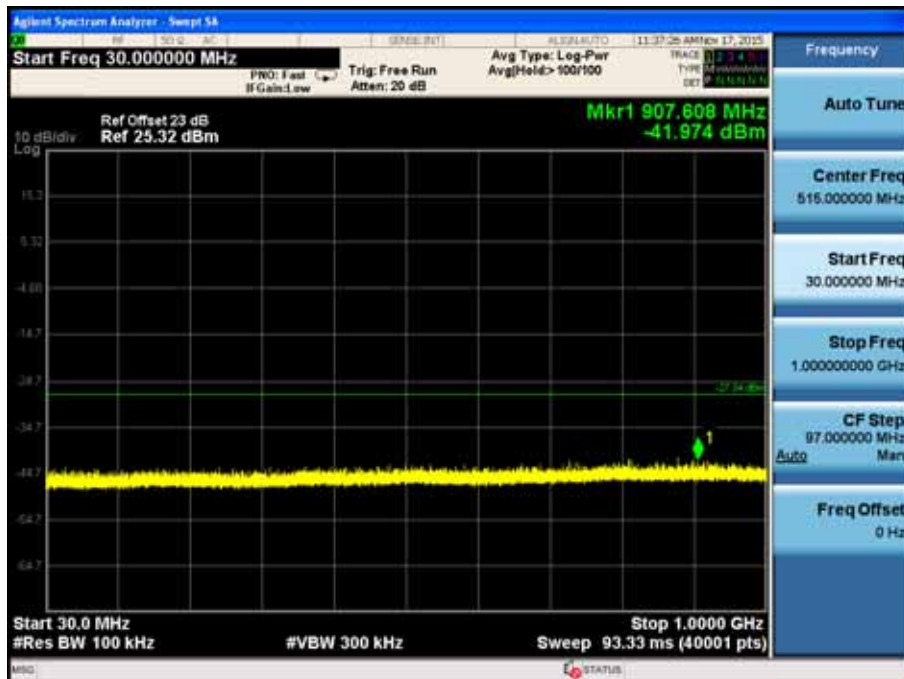
Reference Level – Frequency L

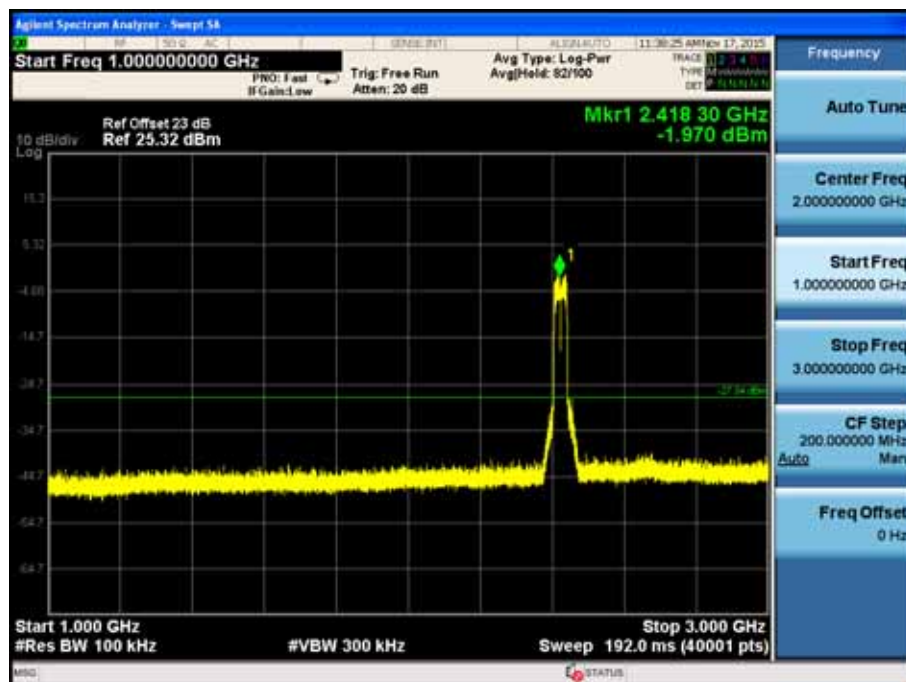


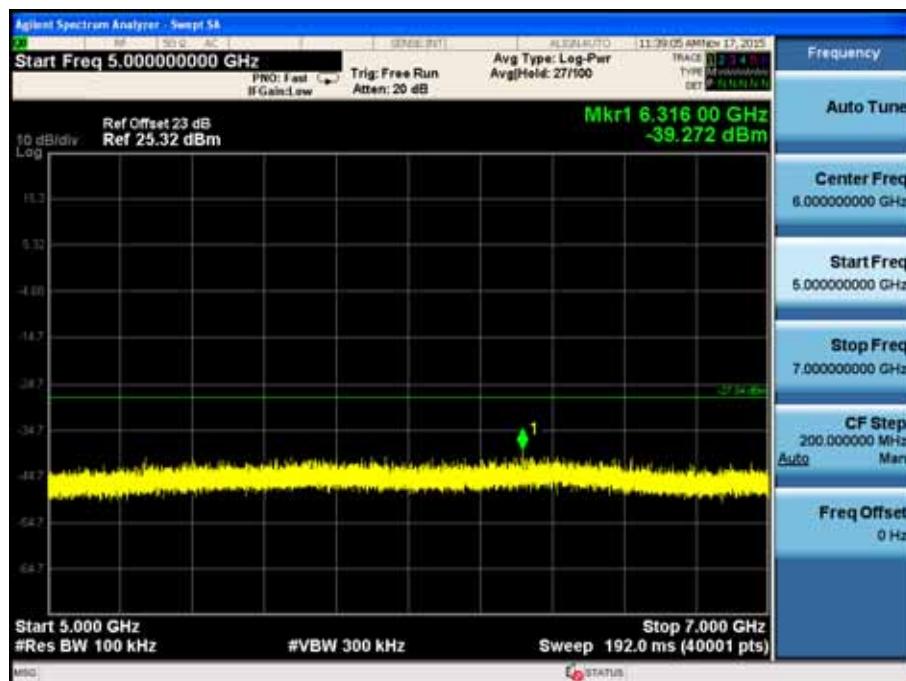
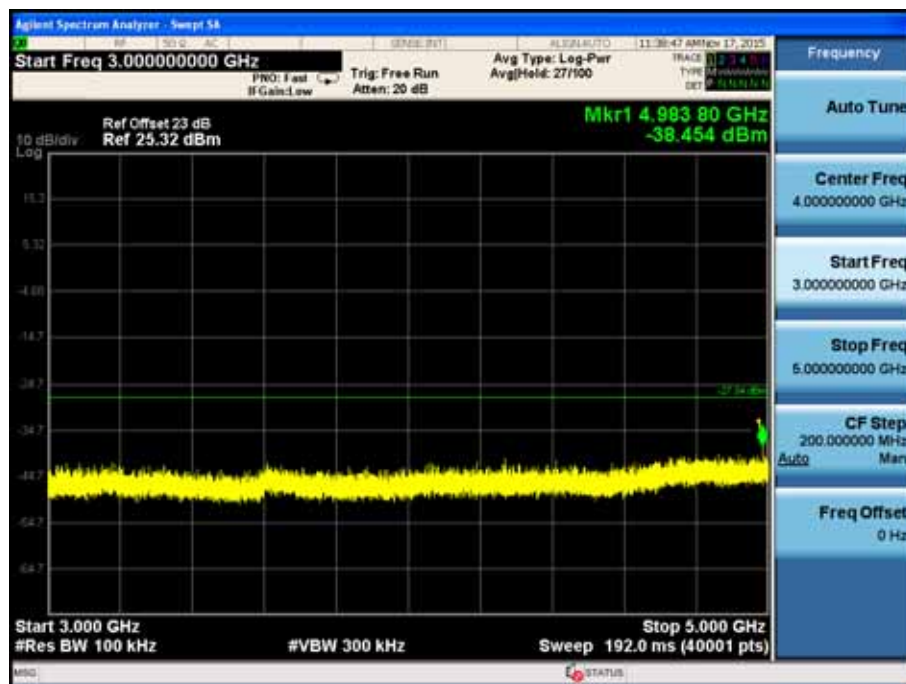
### Low Band Edge - Frequency L

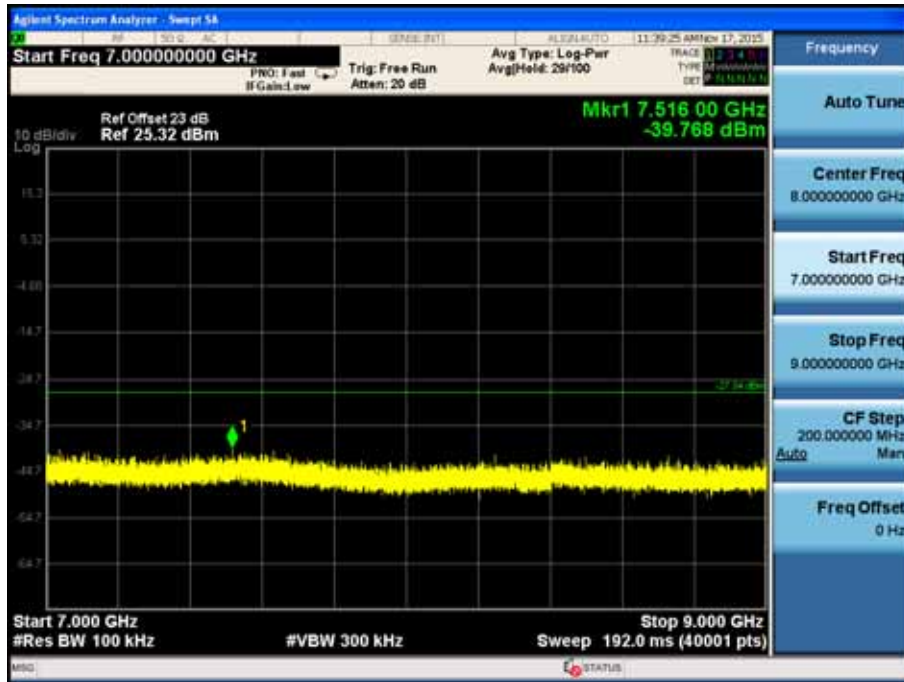


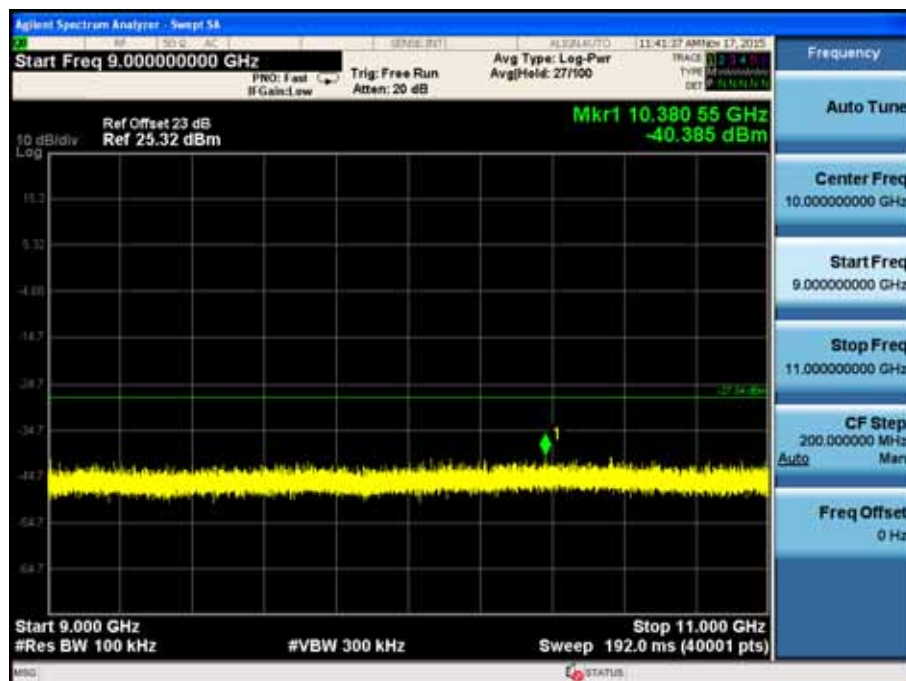
### Spurious Emission 30MHz ~ 25GHz - Frequency L

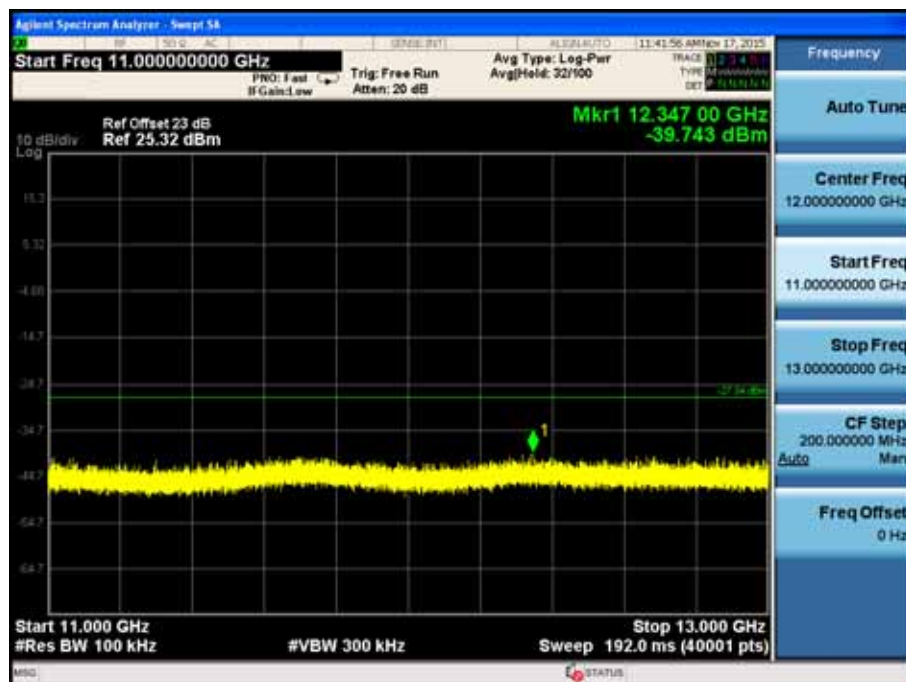


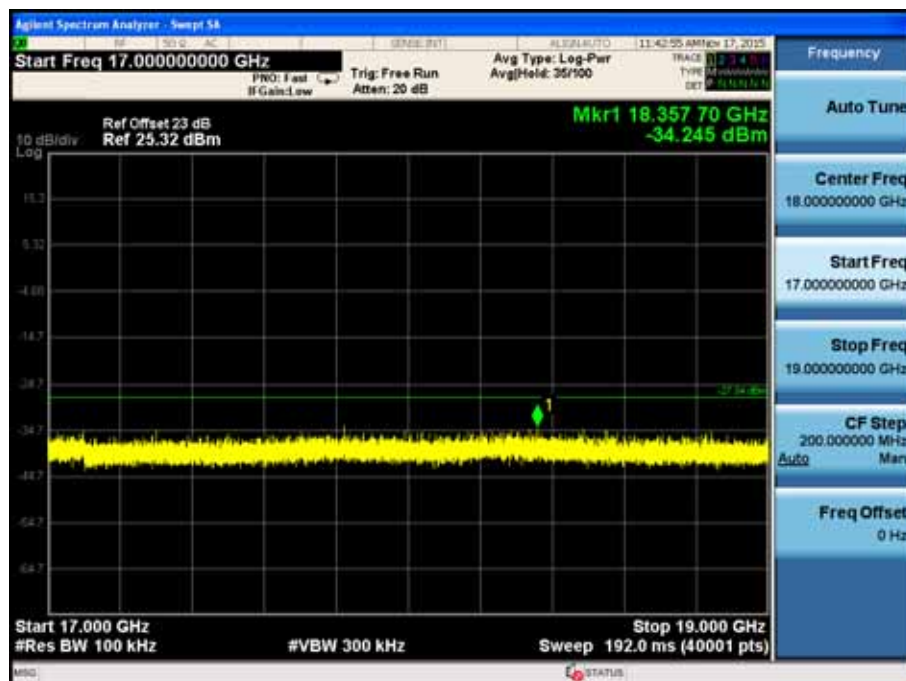
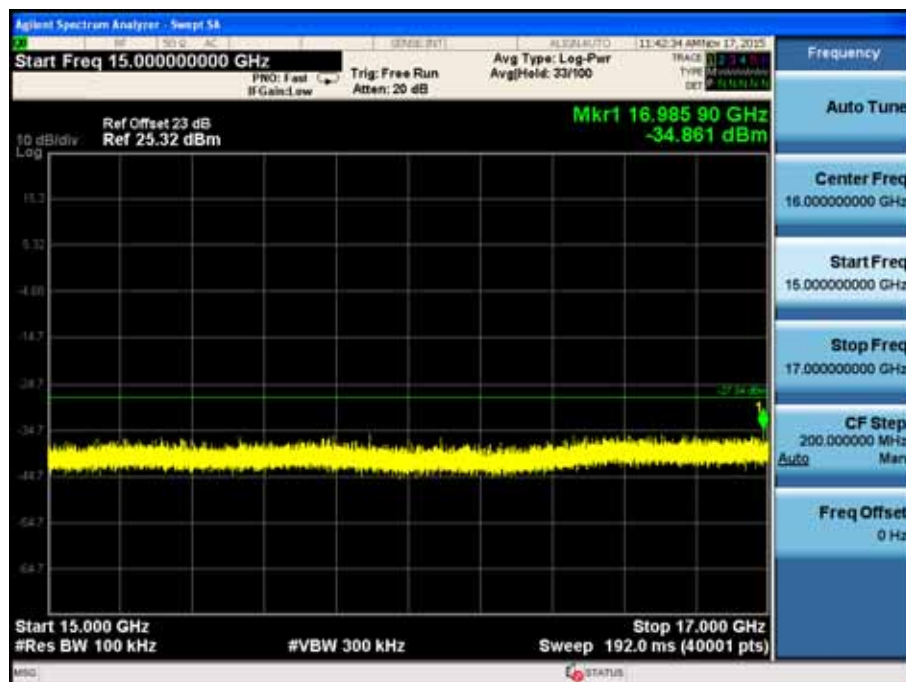




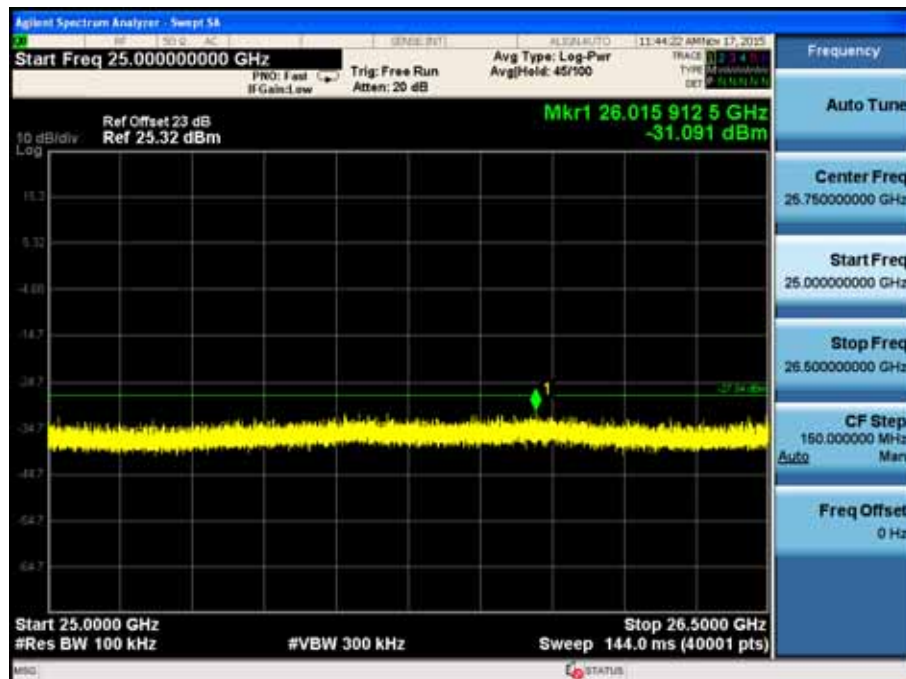


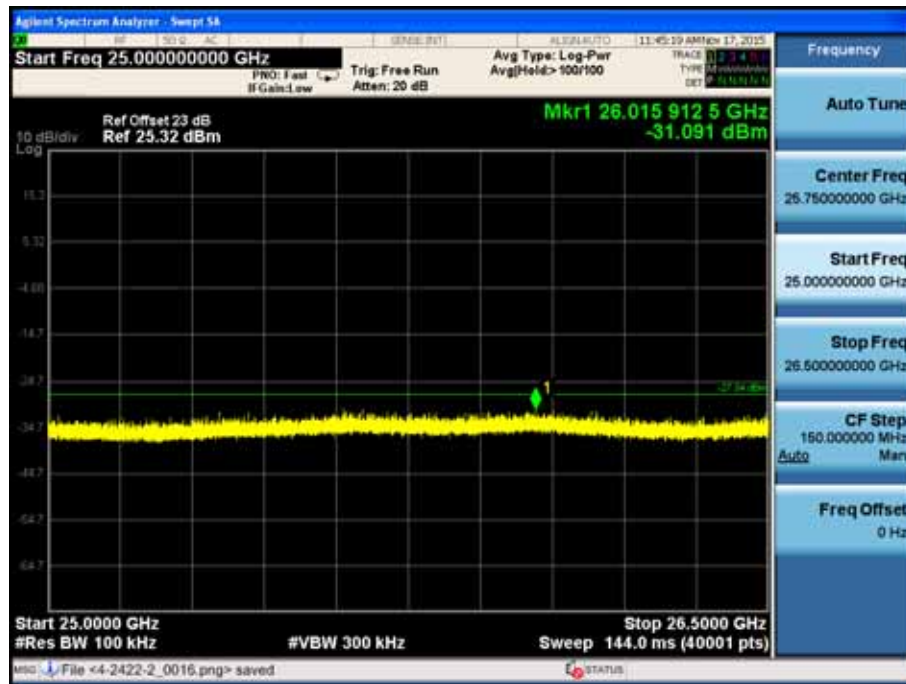




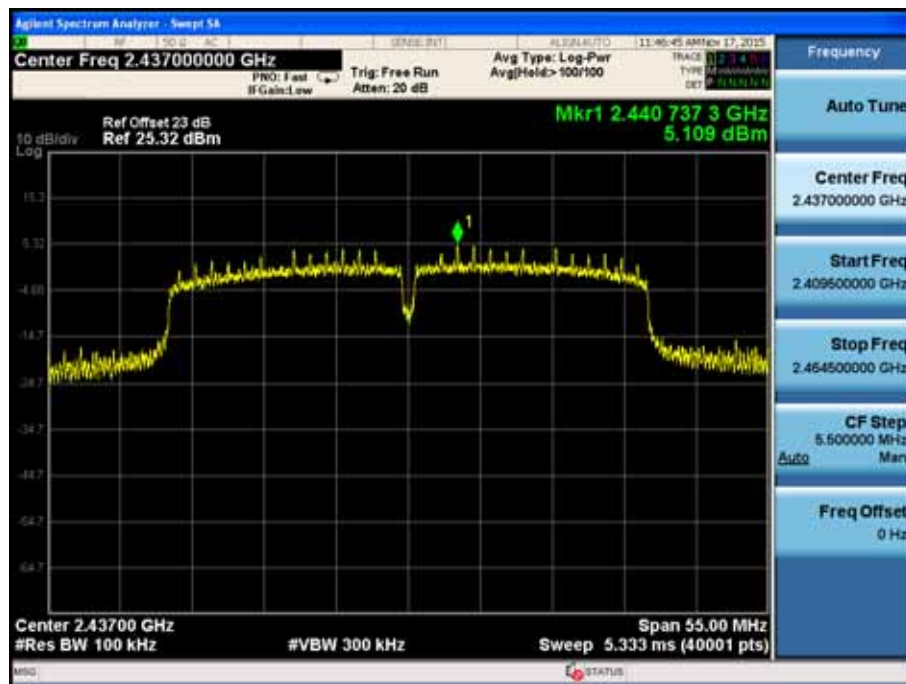




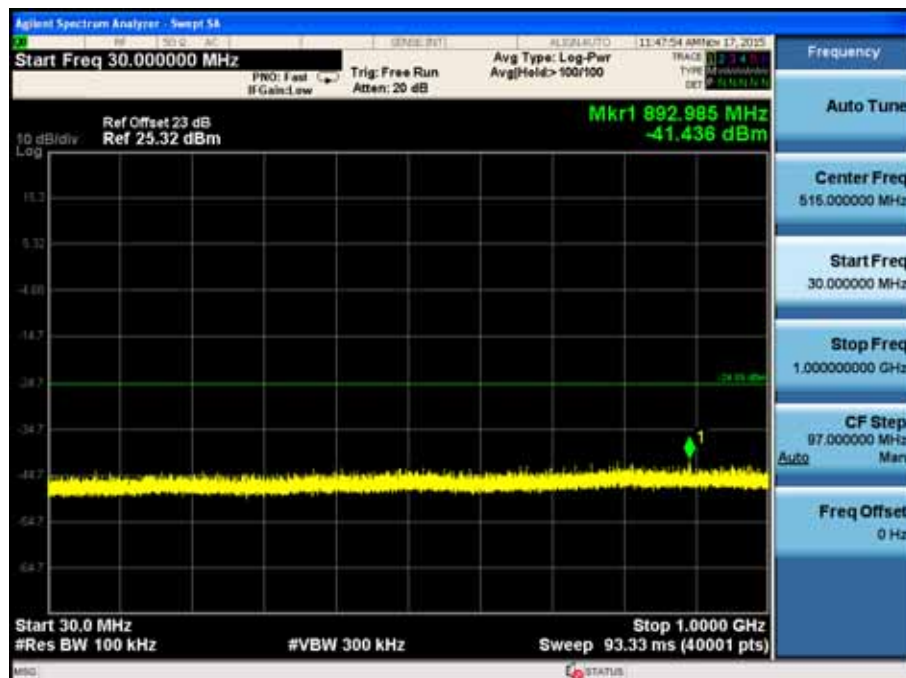


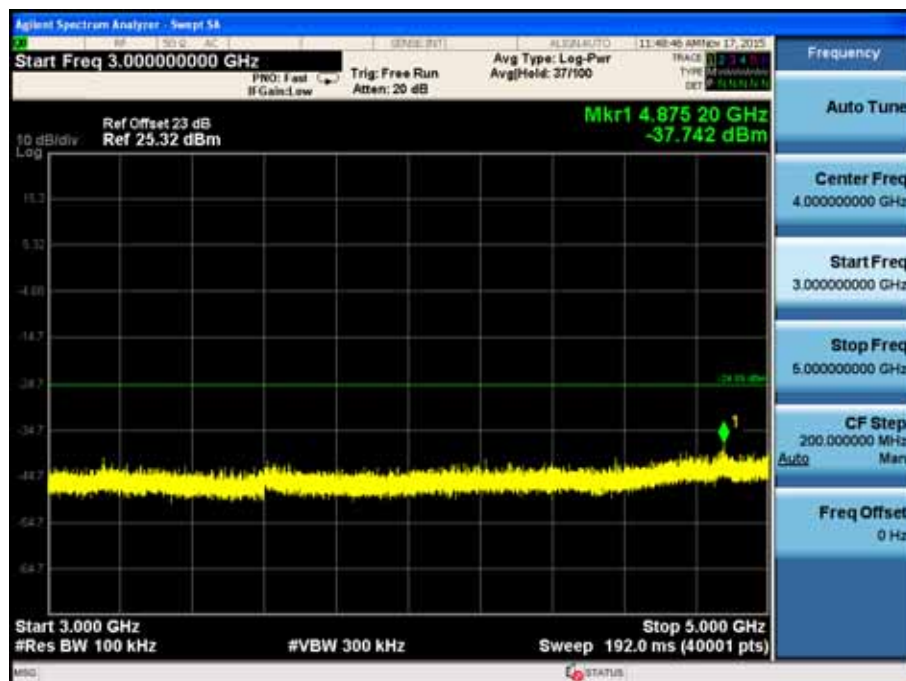
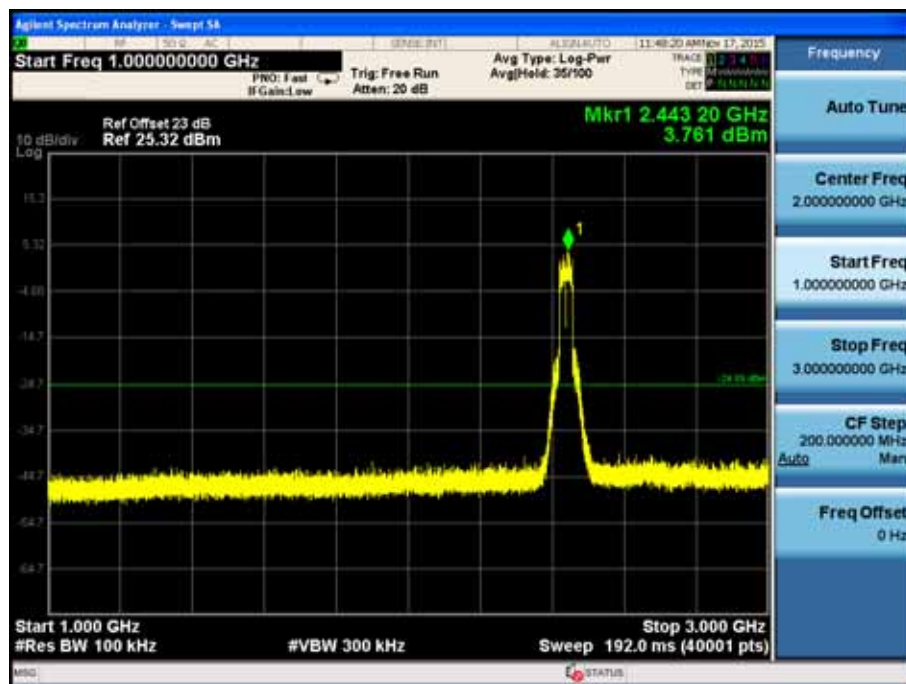


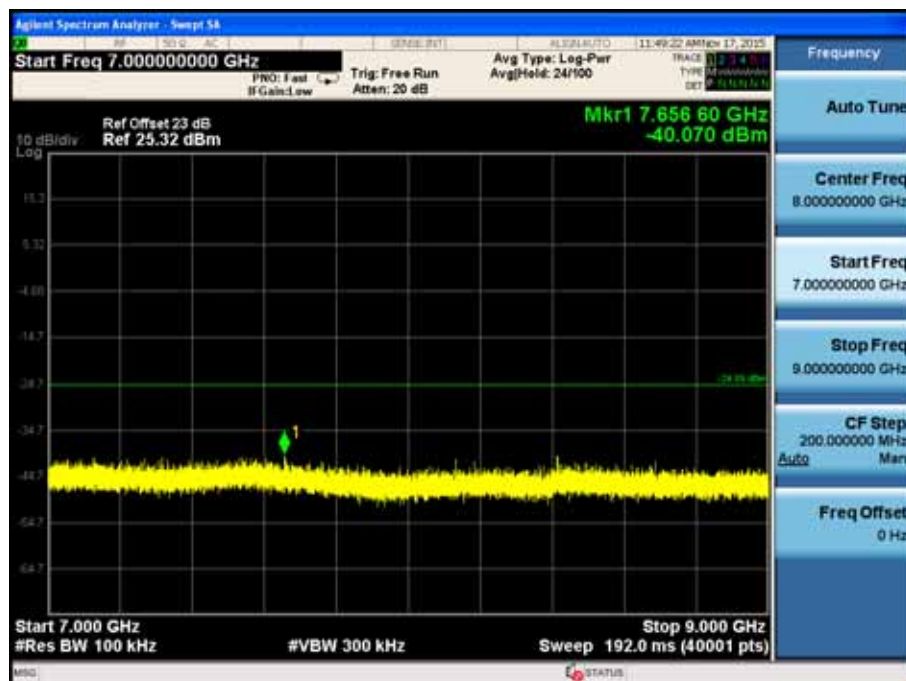
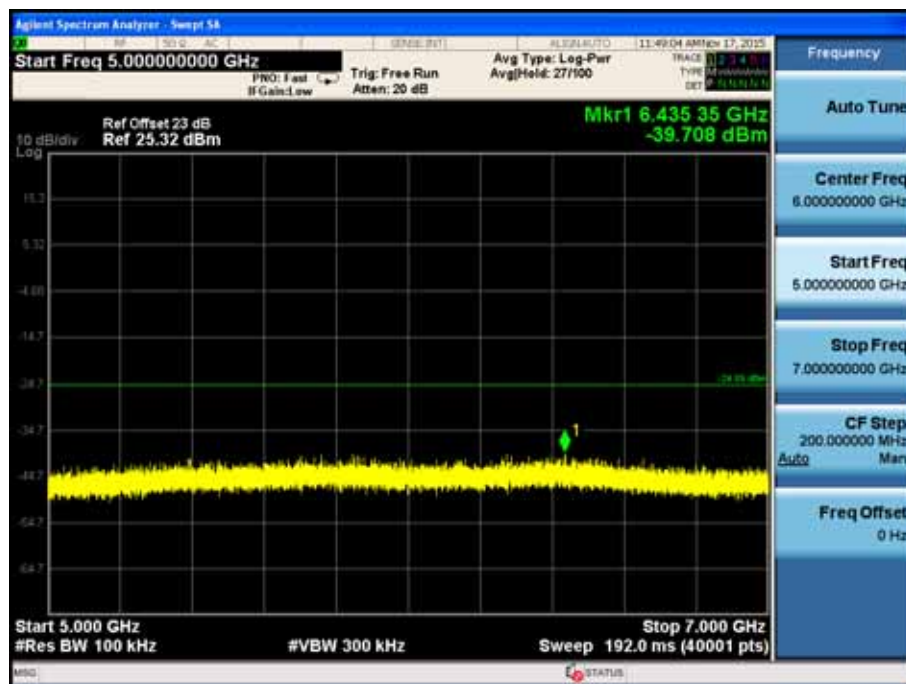
### Channel 06(2437MHz) Reference Level – Frequency M

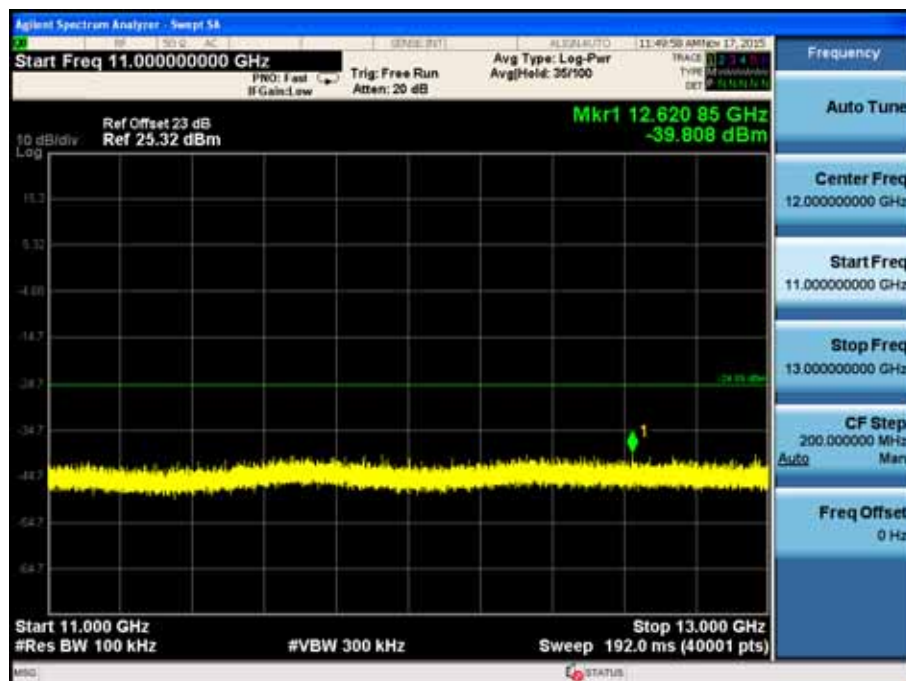
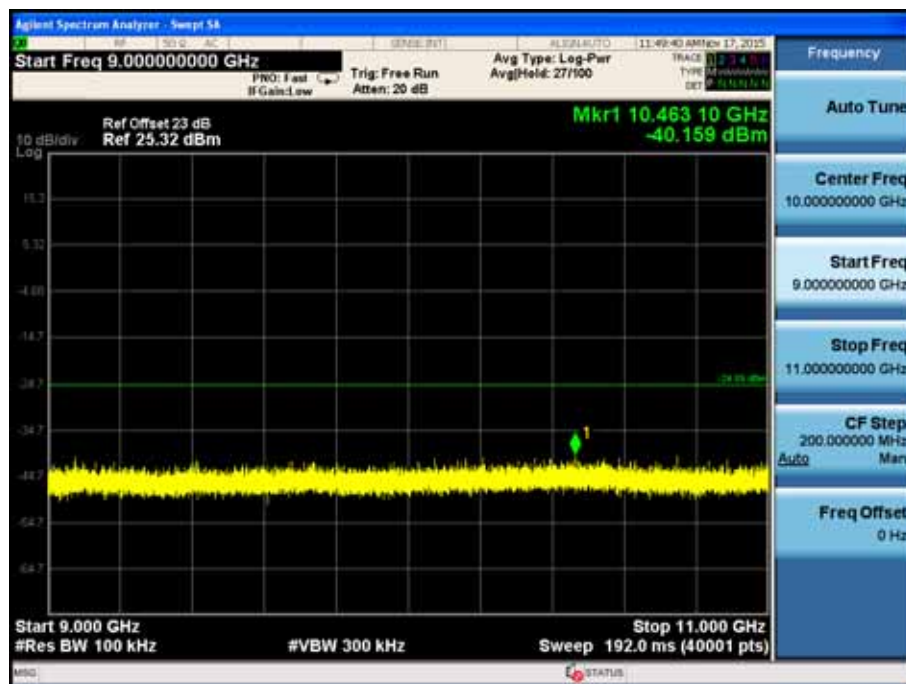


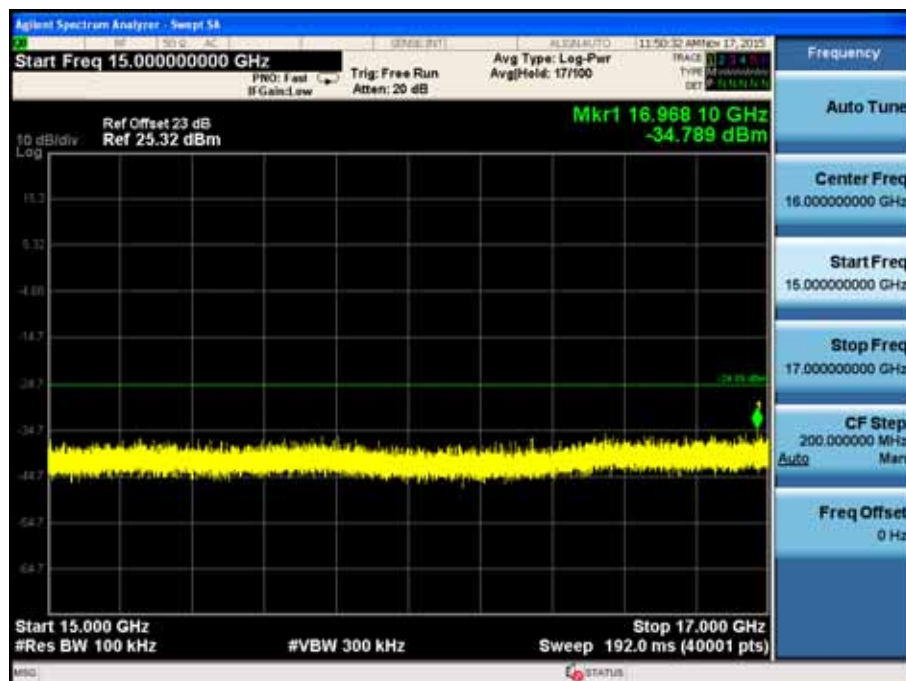
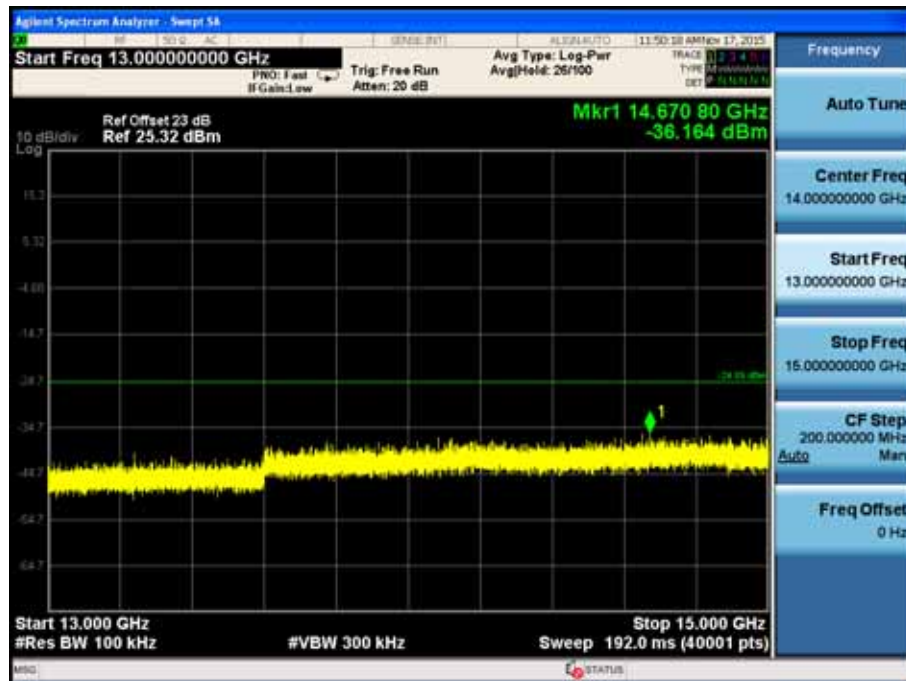
### Spurious Emission 30MHz ~ 25GHz - Frequency M

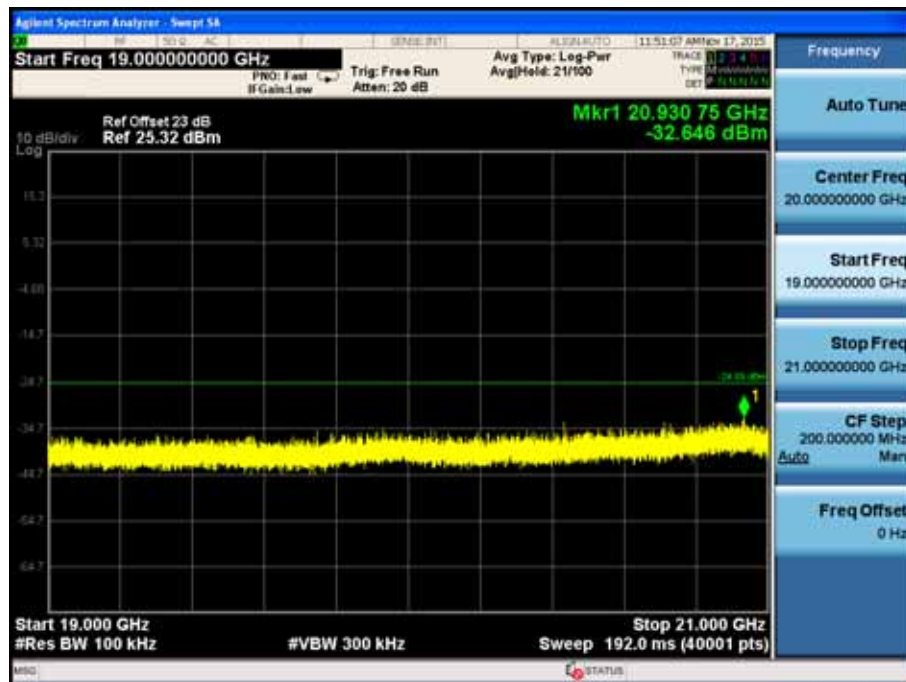
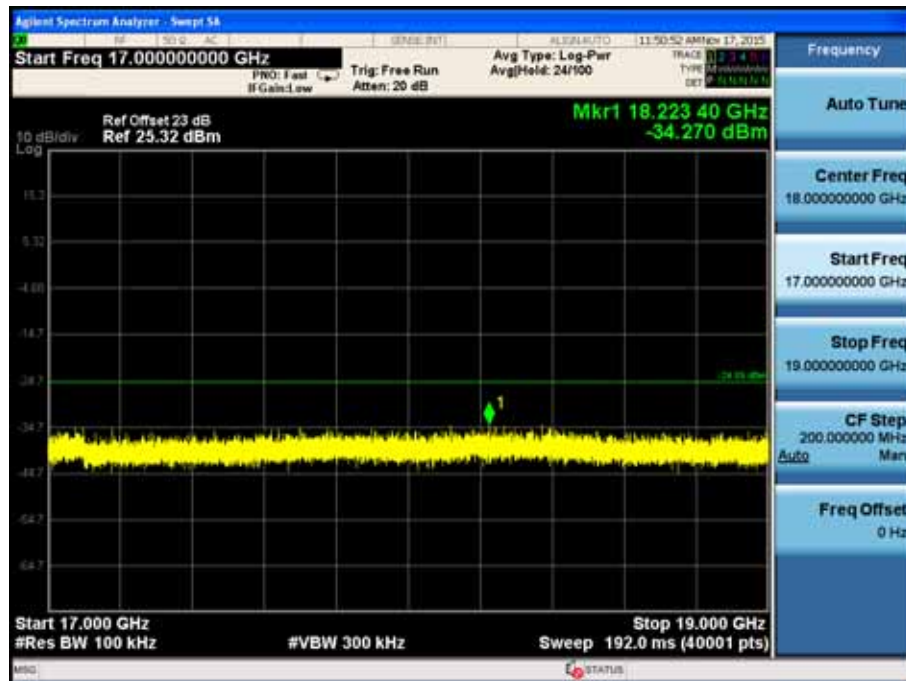


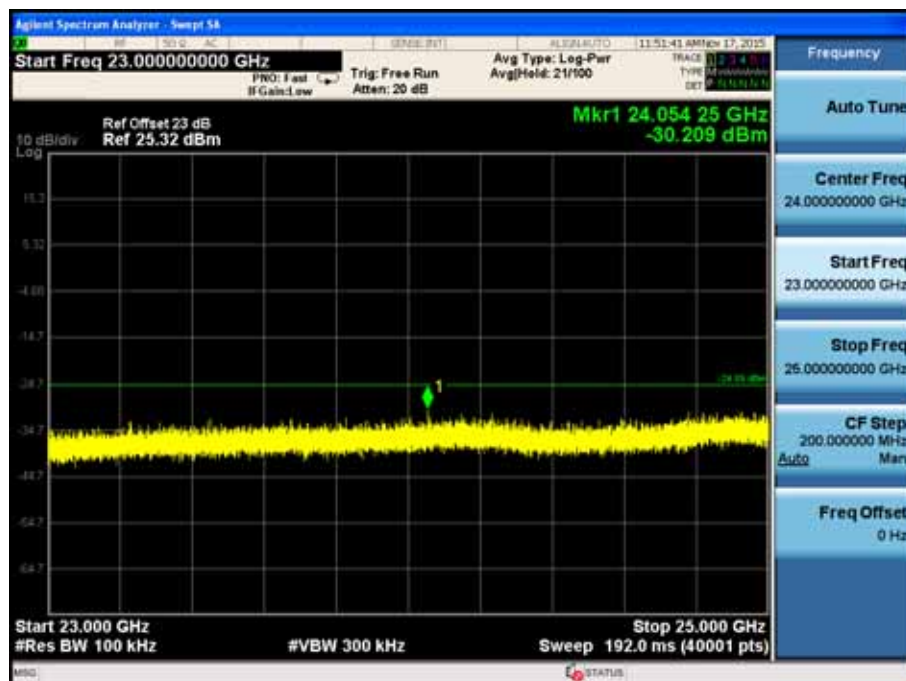
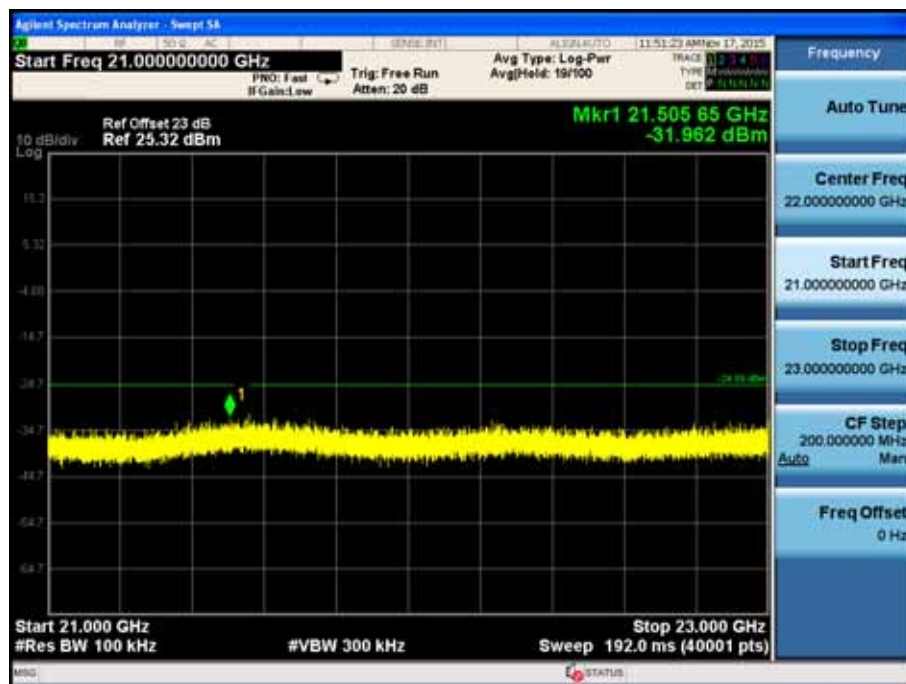


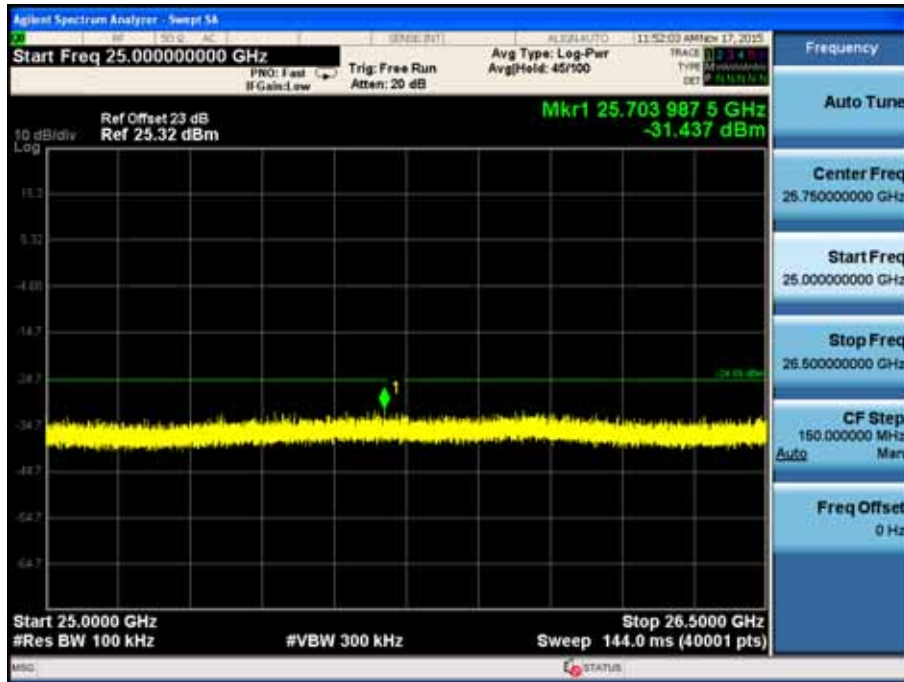






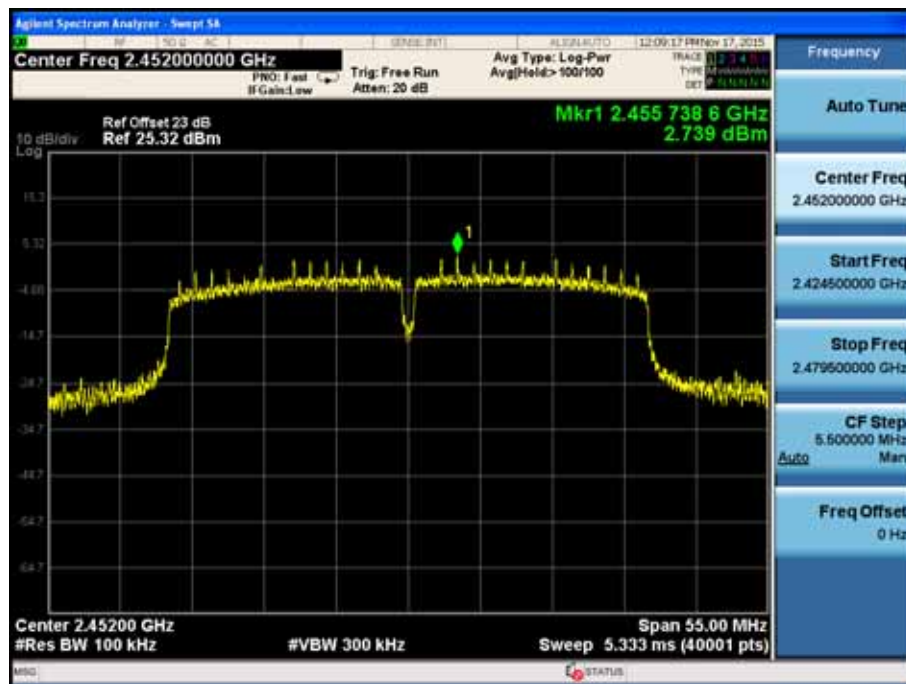




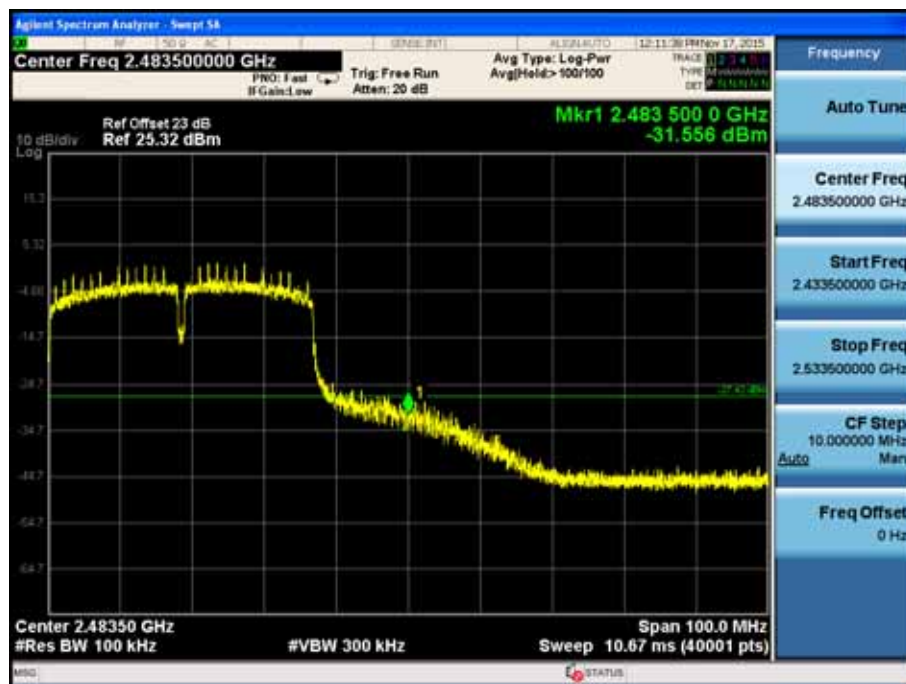


### Channel 09 (2452MHz)

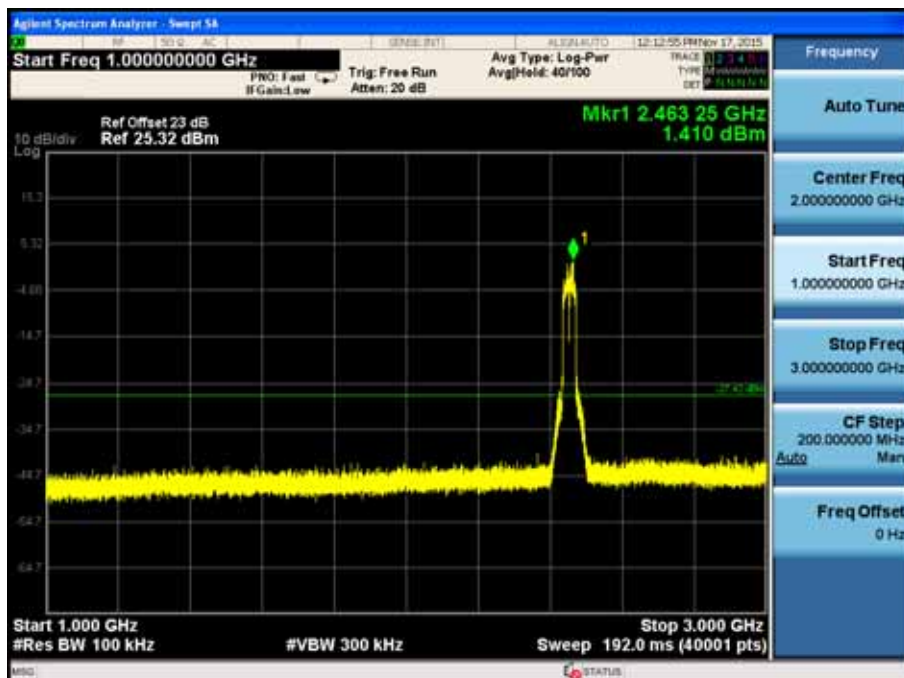
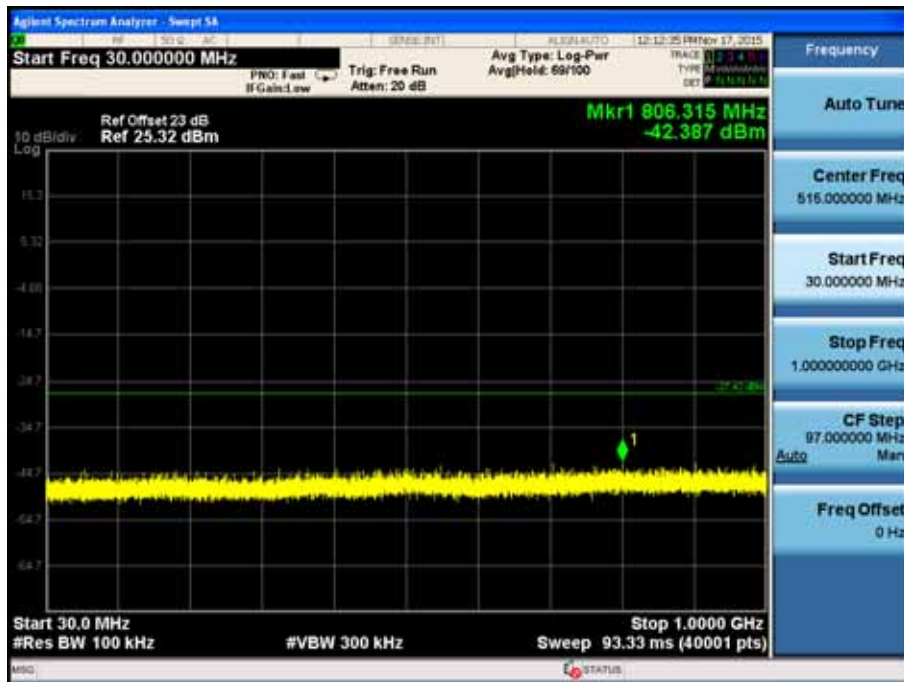
Reference Level – Frequency H

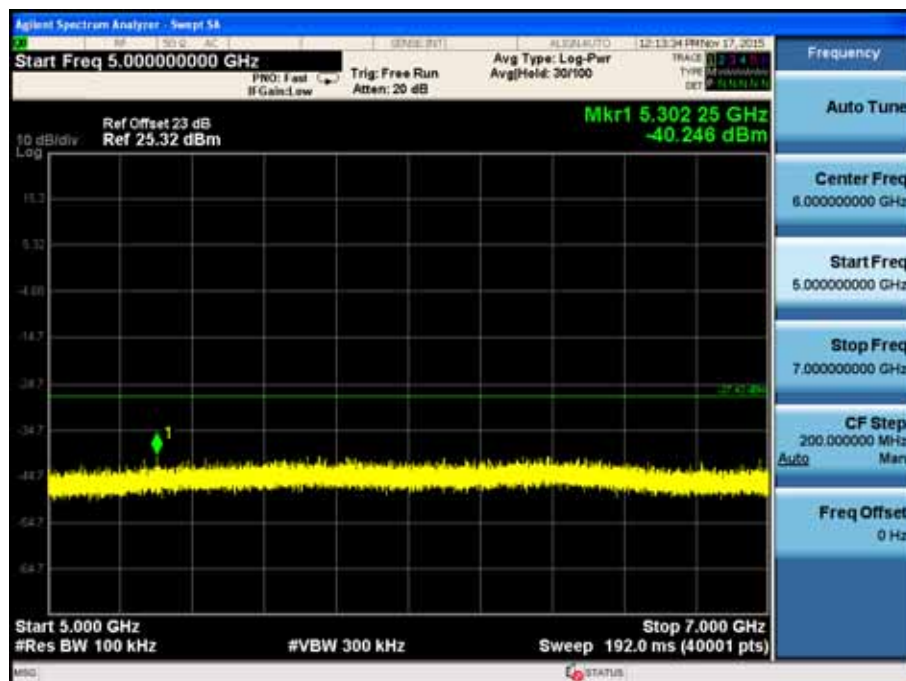
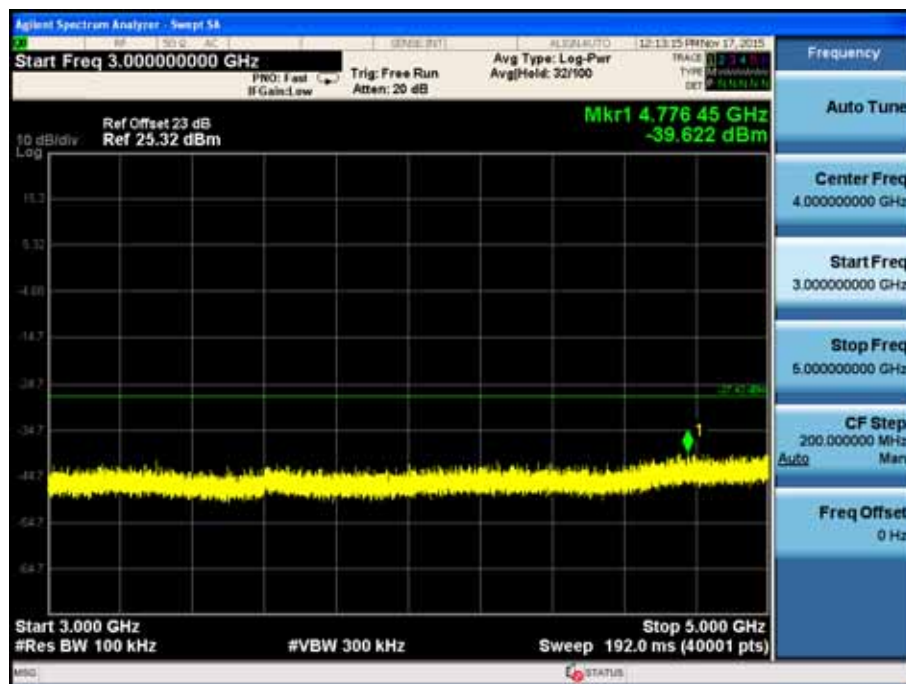


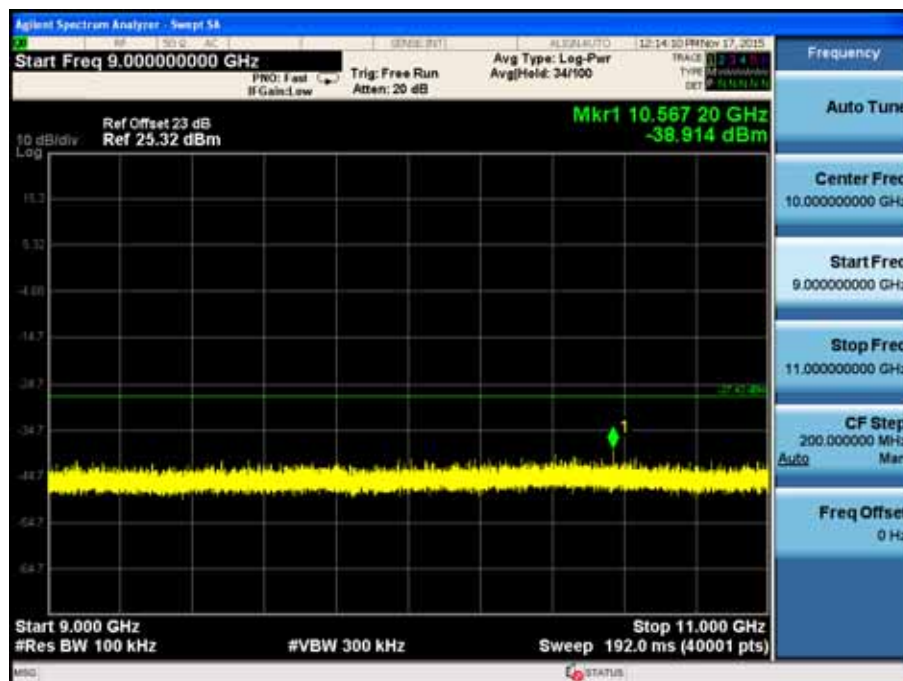
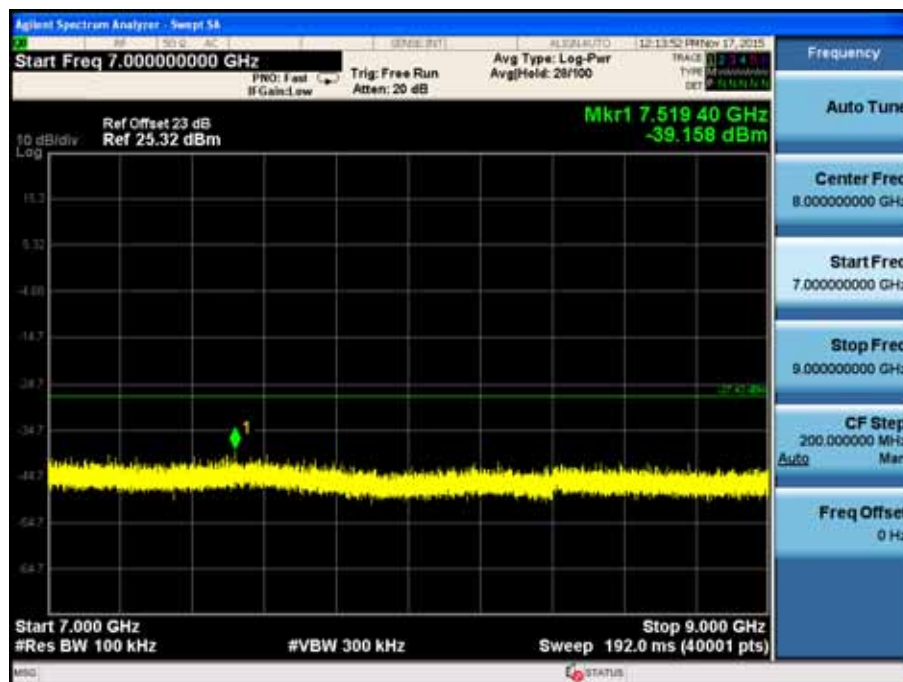
### High Band Edge - Frequency H

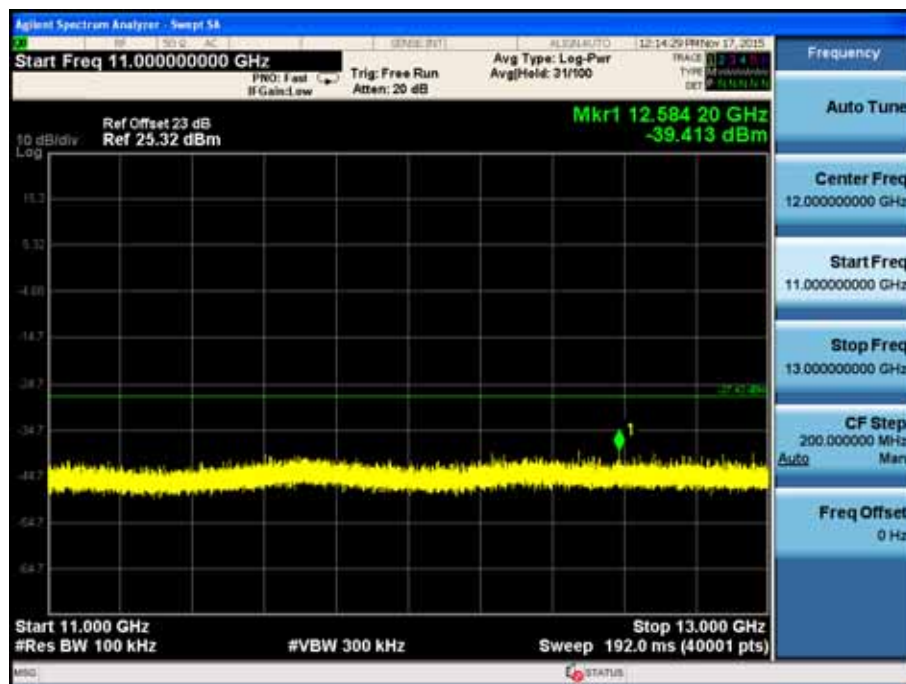


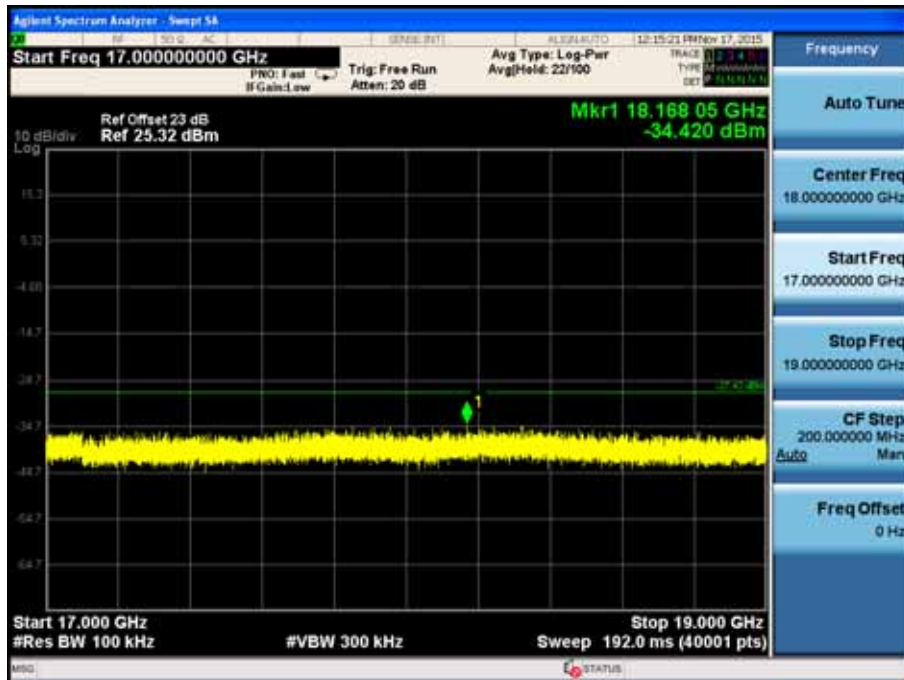
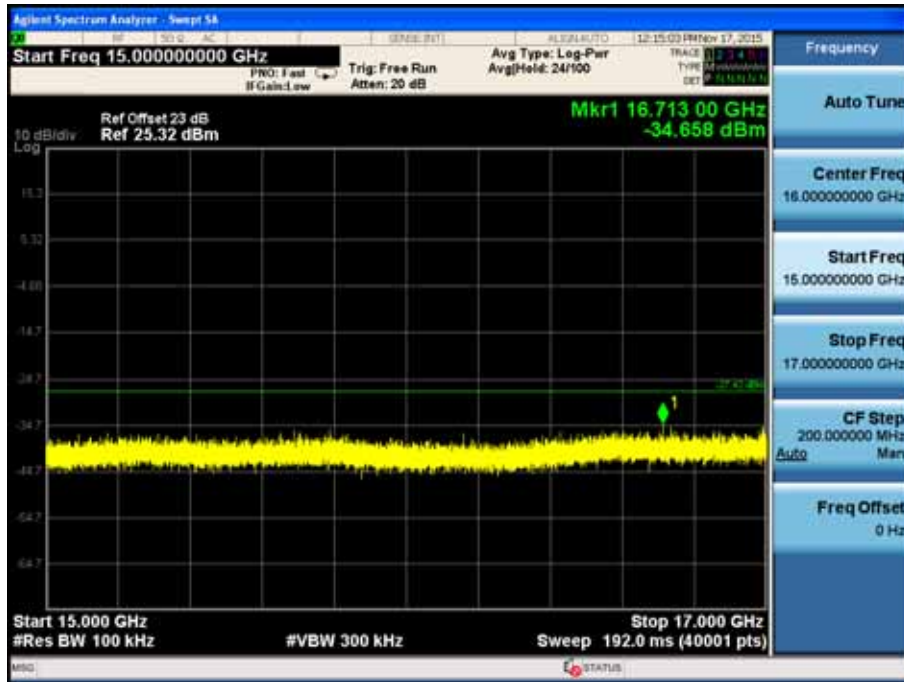
## Emission 30MHz ~ 25GHz - Frequency H

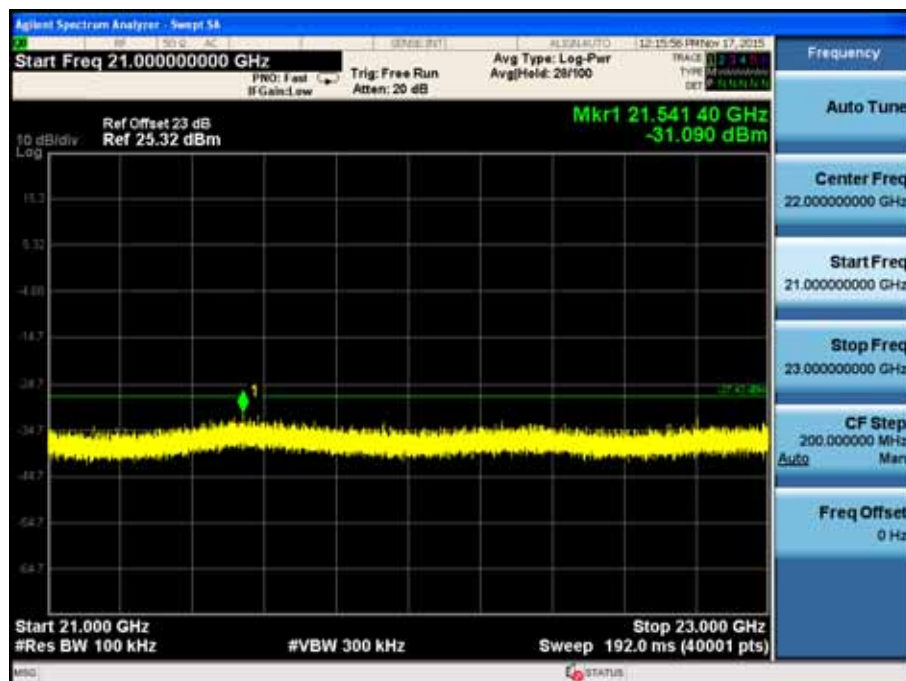
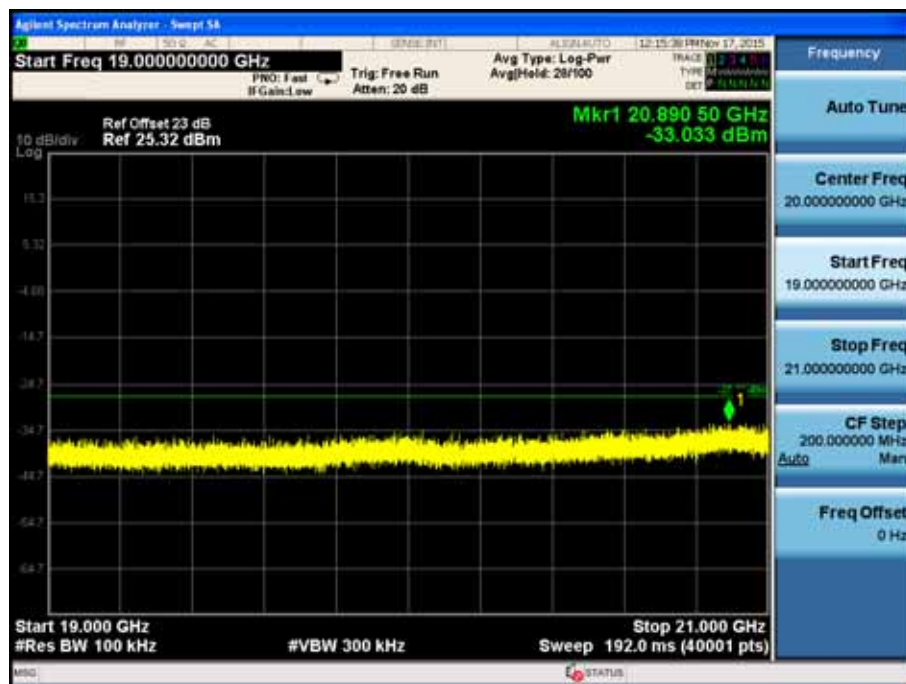


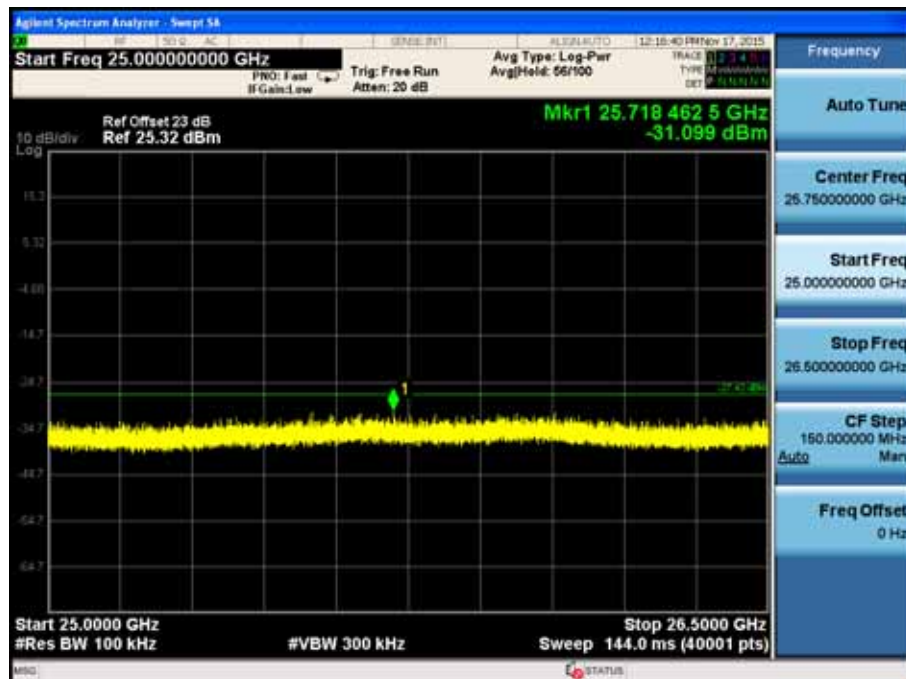












## 6. Radiated Emission Band Edge

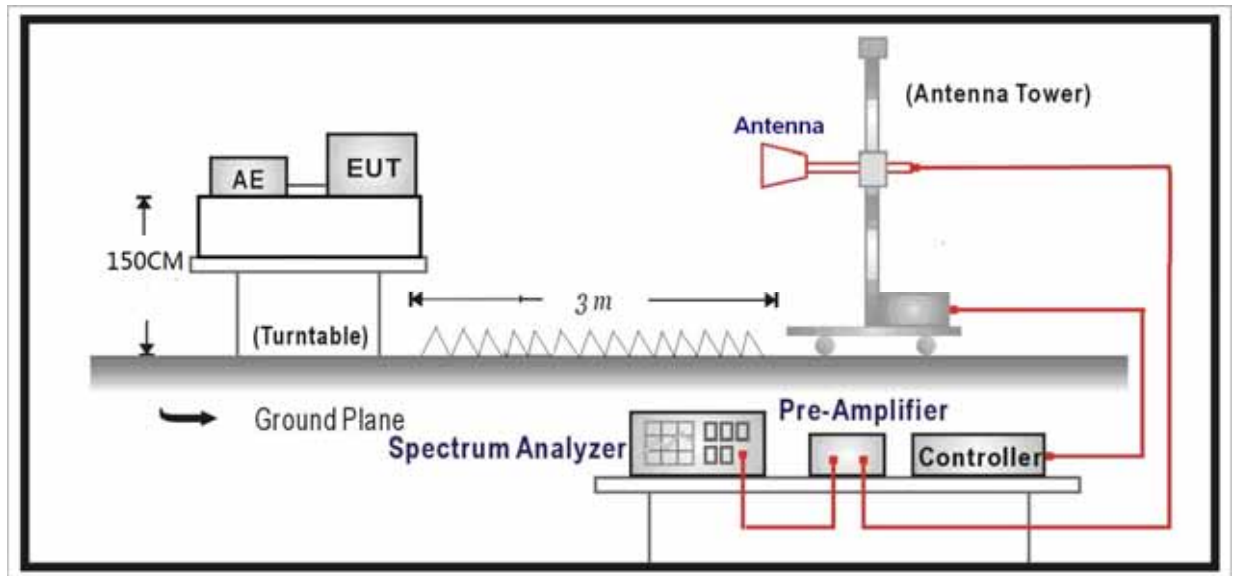
### 6.1. Test Equipment

☒ Radiated Emission Band Edge / AC-5

| Instrument                    | Manufacturer | Type No.     | Serial No.  | Cali. Due Date |
|-------------------------------|--------------|--------------|-------------|----------------|
| Preamplifier                  | Miteq        | NSP1800-25   | 1364185     | 2016.05.03     |
| Preamplifier                  | QuieTek      | AP-040G      | CHM-0906001 | 2016.05.03     |
| Bilog Antenna                 | Teseq GmbH   | CBL6112D     | 27612       | 2016.10.15     |
| DRG Horn                      | ETS-Lindgren | 3117         | 00123988    | 2016.01.07     |
| Coaxial Cable                 | Huber+Suhner | SUCOFLEX 106 | AC5-C1      | 2016.03.01     |
| Coaxial Cable                 | Huber+Suhner | SUCOFLEX 106 | AC5-C2      | 2016.03.01     |
| Coaxial Cable                 | Huber+Suhner | SUCOFLEX 102 | AC5-C3      | 2016.03.01     |
| EMI Receiver                  | Agilent      | N9038A       | MY51210196  | 2016.06.09     |
| Temperature/Humidity<br>Meter | Zhichen      | ZC1-2        | AC5-TH      | 2016.01.08     |

Note 1: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

## 6.2. Test Setup



## 6.3. Limit

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) (see Section 15.205(c)).

## 6.4. Test Procedure

According to FCC ANSI C63.4: 2014 & ANSI C63.10: 2013 & FCC 47CFR 15.247 & KDB 558074 D01v03r03

This test is required for any spurious emission or modulation product that falls in a Restricted Band, as defined in Section 15.205 of FCC part 15. It must be performed with the highest gain of each type of antenna proposed for use with the EUT. Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for  $f \geq 1$  GHz, 100 kHz for  $f < 1$  GHz

VBW  $\geq$  RBW

Sweep = auto

Detector function = peak

Trace = max hold

Follow the guidelines in ANSI C63.4 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization, etc. A pre-amp and a

high pass filter are required for this test, in order to provide the measuring system with sufficient sensitivity. Allow the trace to stabilize. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, which must comply with the limit specified in Section 15.35(b) of FCC part 15.

Now set the VBW  $\geq 1 / T$  (the minimum transmission duration), while maintaining all of the other instrument settings. This peak level, once corrected, must comply with the limit specified in Section 15.209 of FCC Part 15.

If the emission on which a radiated measurement must be made is located at the edge of the authorized band of operation, then the alternative “marker-delta” method may be employed.

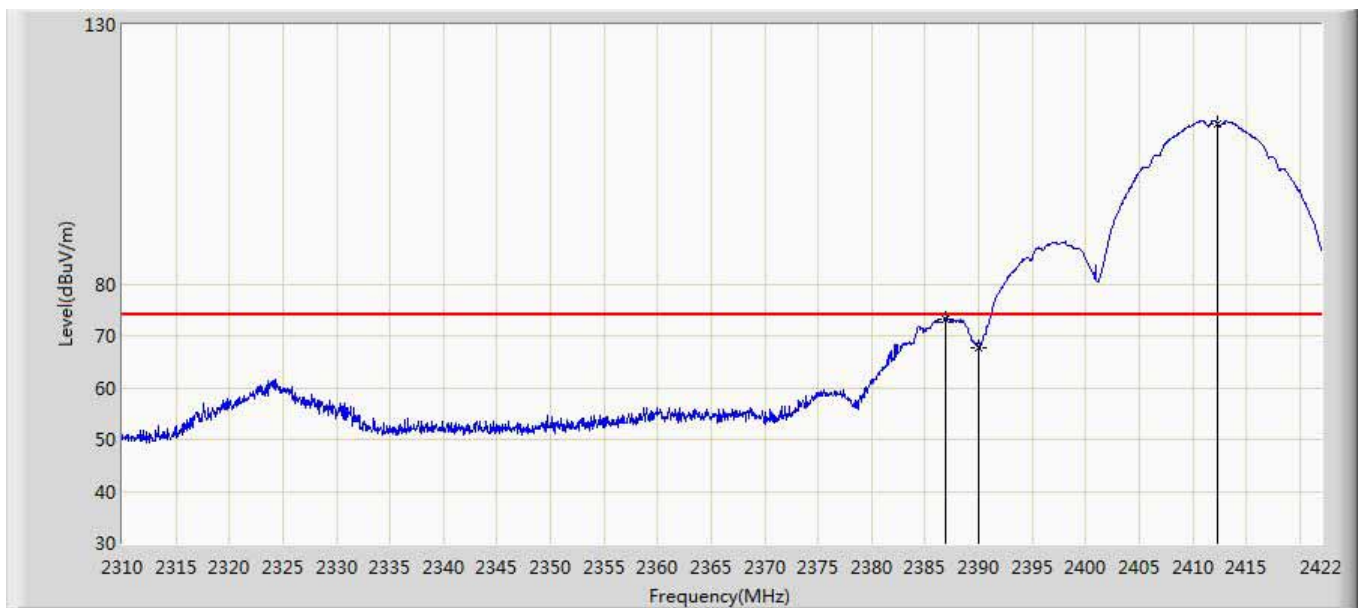
## **6.5. Uncertainty**

The measurement uncertainty above 1G is defined as  $\pm 3.9$  dB

## 6.6. Test Result

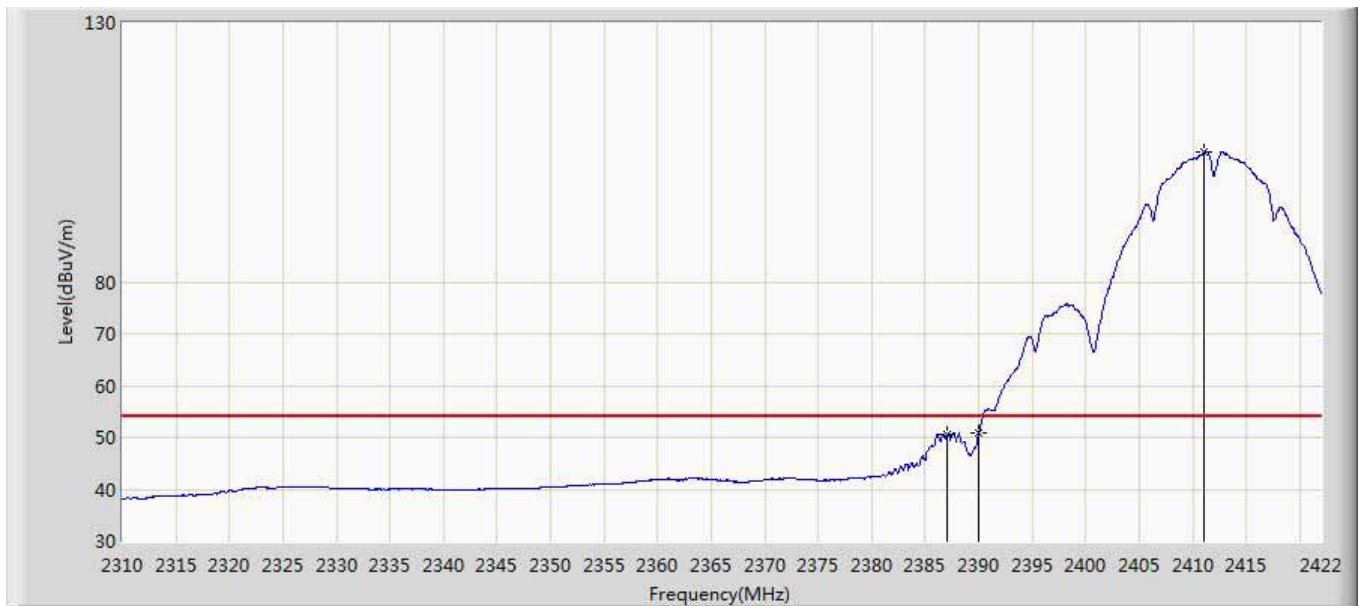
Measure Level = Reading Level + Cable Loss + Antenna Factor - Preamplifier Gain

|                                             |                          |
|---------------------------------------------|--------------------------|
| Site: AC5                                   | Time: 2015/10/23 - 09:38 |
| Limit: FCC_Part15.209_RE(3m)                | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)          | Polarity: Horizontal     |
| EUT: Wi-Fi Smart Plug                       | Power: 120V/60Hz         |
| Note: Mode 1: Transmit at ch2412 by 802.11b |                          |



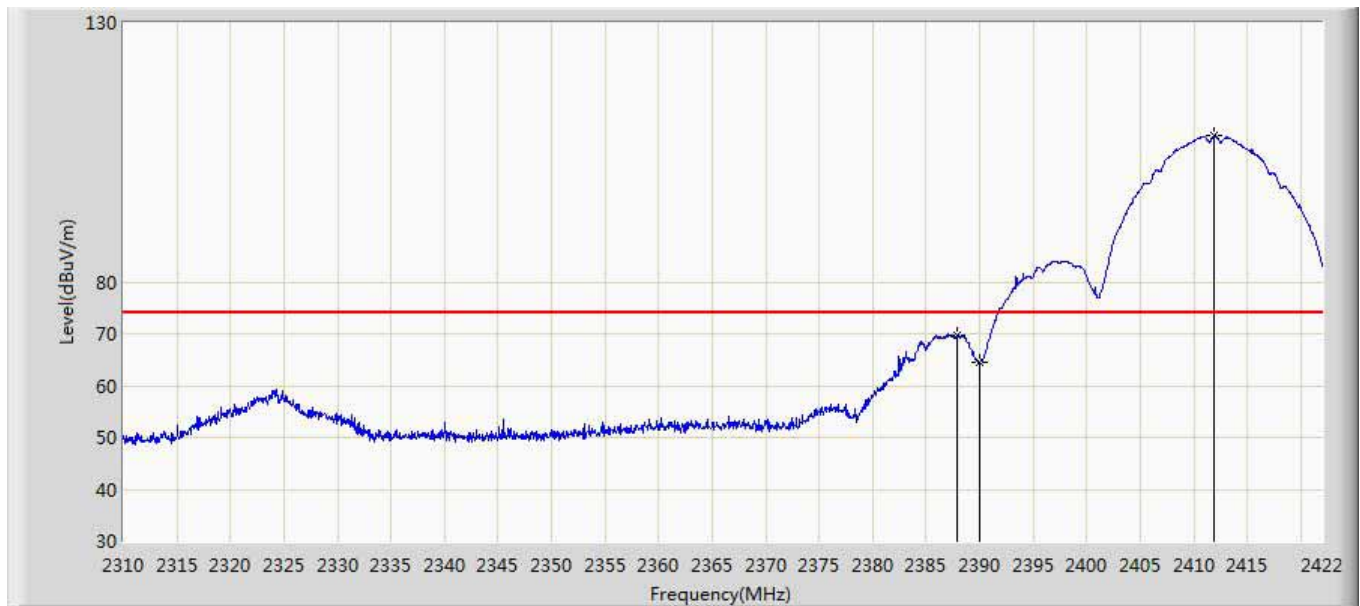
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2386.888        | 73.135                 | 35.792               | -0.865          | 74.000         | 37.343      | PK   |
| 2  |      | 2390.000        | 67.571                 | 30.226               | -6.429          | 74.000         | 37.345      | PK   |
| 3  | *    | 2412.360        | 110.845                | 73.496               | 36.845          | 74.000         | 37.349      | PK   |

|                                             |                          |
|---------------------------------------------|--------------------------|
| Site: AC5                                   | Time: 2015/10/23 - 09:39 |
| Limit: FCC_Part15.209_RE(3m)                | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)          | Polarity: Horizontal     |
| EUT: Wi-Fi Smart Plug                       | Power: 120V/60Hz         |
| Note: Mode 1: Transmit at ch2412 by 802.11b |                          |



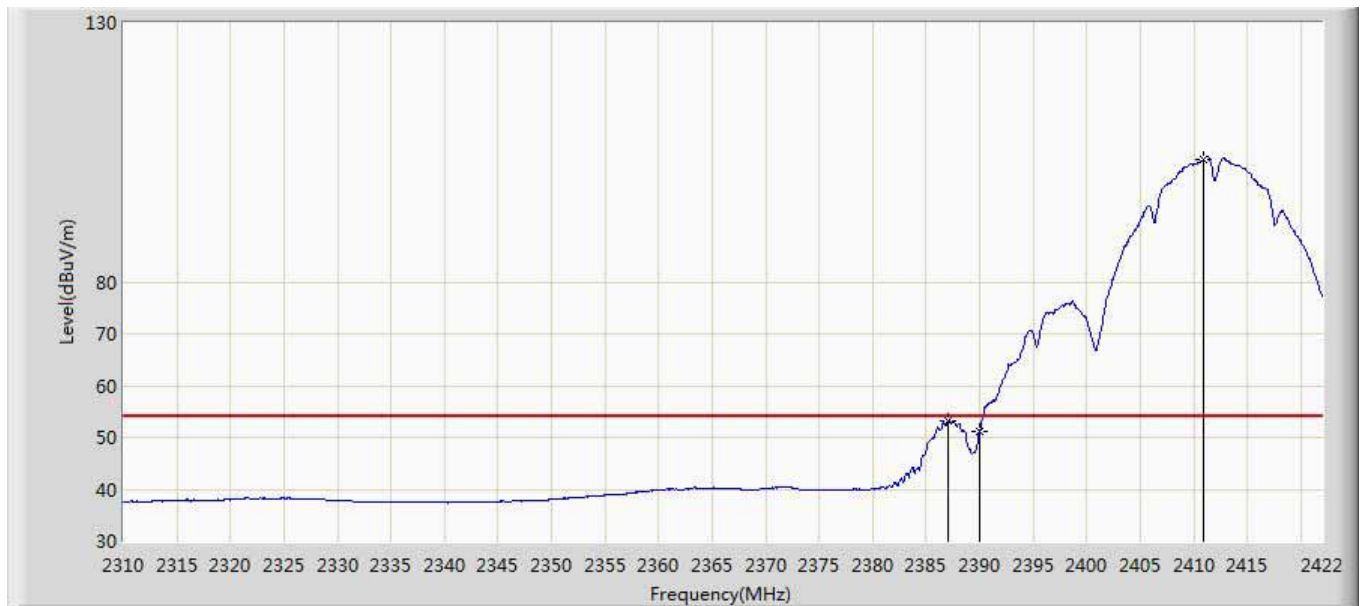
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2387.112        | 50.662                 | 13.319               | -3.338          | 54.000         | 37.344      | AV   |
| 2  |      | 2390.000        | 50.821                 | 13.476               | -3.179          | 54.000         | 37.345      | AV   |
| 3  | *    | 2411.080        | 105.134                | 67.795               | 51.134          | 54.000         | 37.339      | AV   |

|                                             |                          |
|---------------------------------------------|--------------------------|
| Site: AC5                                   | Time: 2015/10/23 - 09:46 |
| Limit: FCC_Part15.209_RE(3m)                | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)          | Polarity: Vertical       |
| EUT: Wi-Fi Smart Plug                       | Power: 120V/60Hz         |
| Note: Mode 1: Transmit at ch2412 by 802.11b |                          |



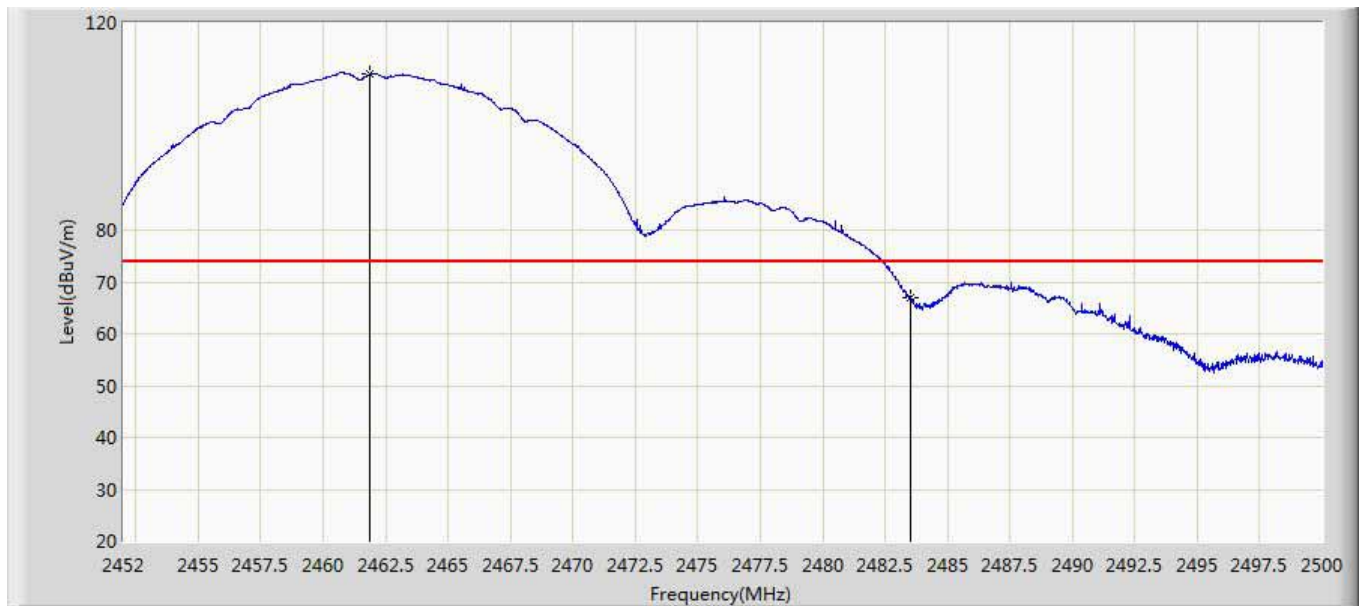
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2387.952        | 69.675                 | 32.331               | -4.325          | 74.000         | 37.343      | PK   |
| 2  |      | 2390.000        | 64.437                 | 27.092               | -9.563          | 74.000         | 37.345      | PK   |
| 3  | *    | 2411.920        | 108.121                | 70.775               | 34.121          | 74.000         | 37.346      | PK   |

|                                             |                          |
|---------------------------------------------|--------------------------|
| Site: AC5                                   | Time: 2015/10/23 - 09:49 |
| Limit: FCC_Part15.209_RE(3m)                | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)          | Polarity: Vertical       |
| EUT: Wi-Fi Smart Plug                       | Power: 120V/60Hz         |
| Note: Mode 1: Transmit at ch2412 by 802.11b |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2387.056        | 53.310                 | 15.967               | -0.690          | 54.000         | 37.343      | AV   |
| 2  |      | 2390.000        | 51.233                 | 13.888               | -2.767          | 54.000         | 37.345      | AV   |
| 3  | *    | 2410.912        | 103.523                | 66.184               | 49.523          | 54.000         | 37.339      | AV   |

|                                             |                          |
|---------------------------------------------|--------------------------|
| Site: AC5                                   | Time: 2015/10/23 - 10:03 |
| Limit: FCC_Part15.209_RE(3m)                | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)          | Polarity: Horizontal     |
| EUT: Wi-Fi Smart Plug                       | Power: 120V/60Hz         |
| Note: Mode 1: Transmit at ch2462 by 802.11b |                          |



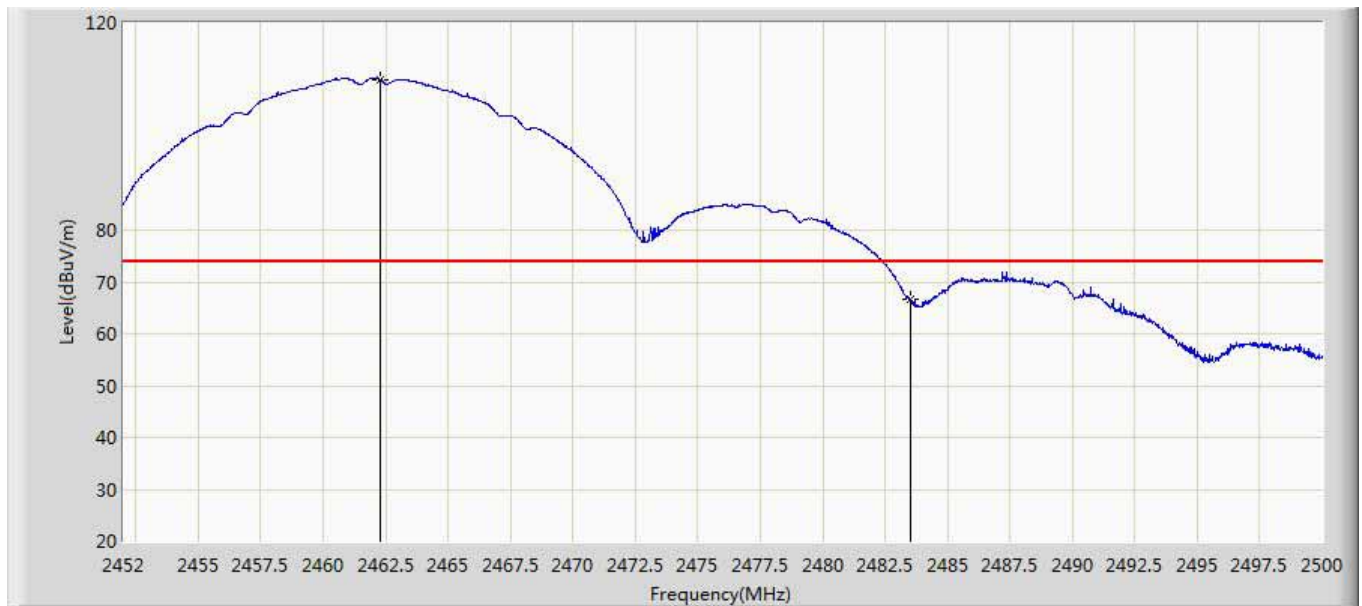
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2461.888        | 110.101                | 72.619               | 36.101          | 74.000         | 37.483      | PK   |
| 2  |      | 2483.500        | 66.938                 | 29.343               | -7.062          | 74.000         | 37.595      | PK   |

|                                             |                          |
|---------------------------------------------|--------------------------|
| Site: AC5                                   | Time: 2015/10/23 - 10:03 |
| Limit: FCC_Part15.209_RE(3m)                | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)          | Polarity: Horizontal     |
| EUT: Wi-Fi Smart Plug                       | Power: 120V/60Hz         |
| Note: Mode 1: Transmit at ch2462 by 802.11b |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2462.872        | 104.990                | 67.504               | 50.990          | 54.000         | 37.486      | AV   |
| 2  |      | 2483.500        | 50.149                 | 12.554               | -3.851          | 54.000         | 37.595      | AV   |

|                                             |                          |
|---------------------------------------------|--------------------------|
| Site: AC5                                   | Time: 2015/10/23 - 10:11 |
| Limit: FCC_Part15.209_RE(3m)                | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)          | Polarity: Vertical       |
| EUT: Wi-Fi Smart Plug                       | Power: 120V/60Hz         |
| Note: Mode 1: Transmit at ch2462 by 802.11b |                          |



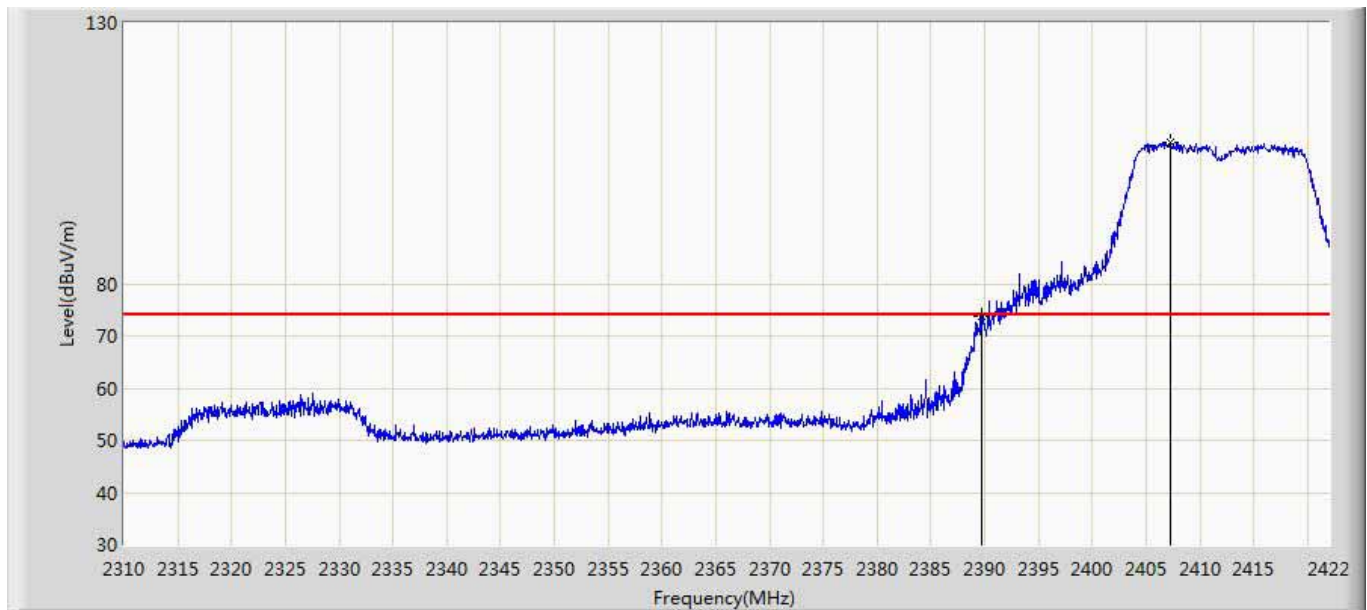
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2462.272        | 109.046                | 71.562               | 35.046          | 74.000         | 37.484      | PK   |
| 2  |      | 2483.500        | 66.522                 | 28.927               | -7.478          | 74.000         | 37.595      | PK   |

|                                             |                          |
|---------------------------------------------|--------------------------|
| Site: AC5                                   | Time: 2015/10/23 - 10:11 |
| Limit: FCC_Part15.209_RE(3m)                | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)          | Polarity: Vertical       |
| EUT: Wi-Fi Smart Plug                       | Power: 120V/60Hz         |
| Note: Mode 1: Transmit at ch2462 by 802.11b |                          |



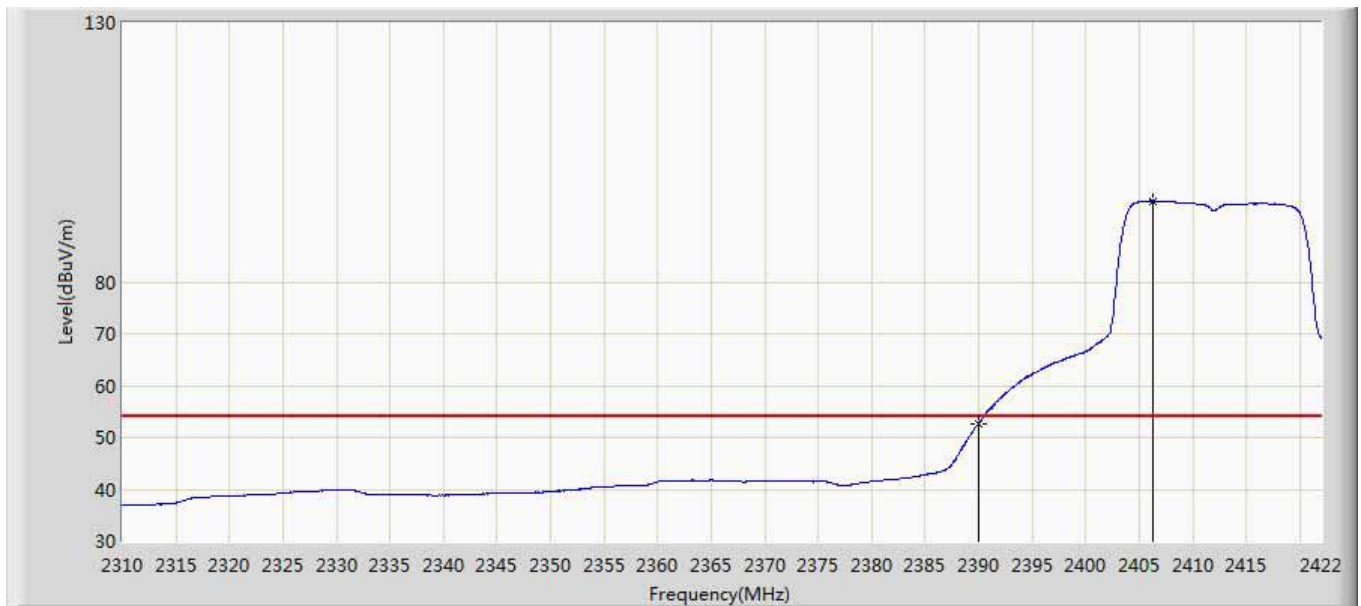
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2462.680        | 103.732                | 66.247               | 49.732          | 54.000         | 37.486      | AV   |
| 2  |      | 2483.500        | 53.328                 | 17.733               | -0.872          | 54.000         | 37.595      | AV   |

|                                             |                          |
|---------------------------------------------|--------------------------|
| Site: AC5                                   | Time: 2015/10/23 - 10:26 |
| Limit: FCC_Part15.209_RE(3m)                | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)          | Polarity: Horizontal     |
| EUT: Wi-Fi Smart Plug                       | Power: 120V/60Hz         |
| Note: Mode 2: Transmit at ch2412 by 802.11g |                          |



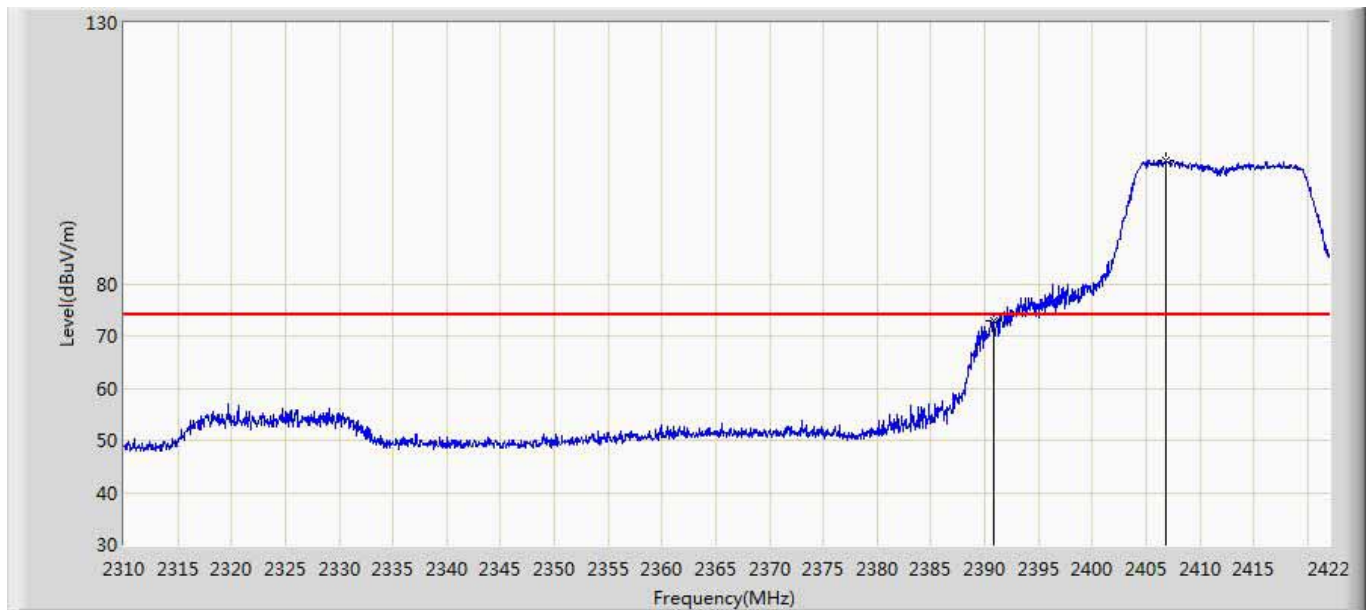
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2389.688        | 73.821                 | 36.476               | -0.179          | 74.000         | 37.345      | PK   |
| 2  | *    | 2407.216        | 106.977                | 69.636               | 32.977          | 74.000         | 37.341      | PK   |

|                                             |                          |
|---------------------------------------------|--------------------------|
| Site: AC5                                   | Time: 2015/10/23 - 10:27 |
| Limit: FCC_Part15.209_RE(3m)                | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)          | Polarity: Horizontal     |
| EUT: Wi-Fi Smart Plug                       | Power: 120V/60Hz         |
| Note: Mode 2: Transmit at ch2412 by 802.11g |                          |



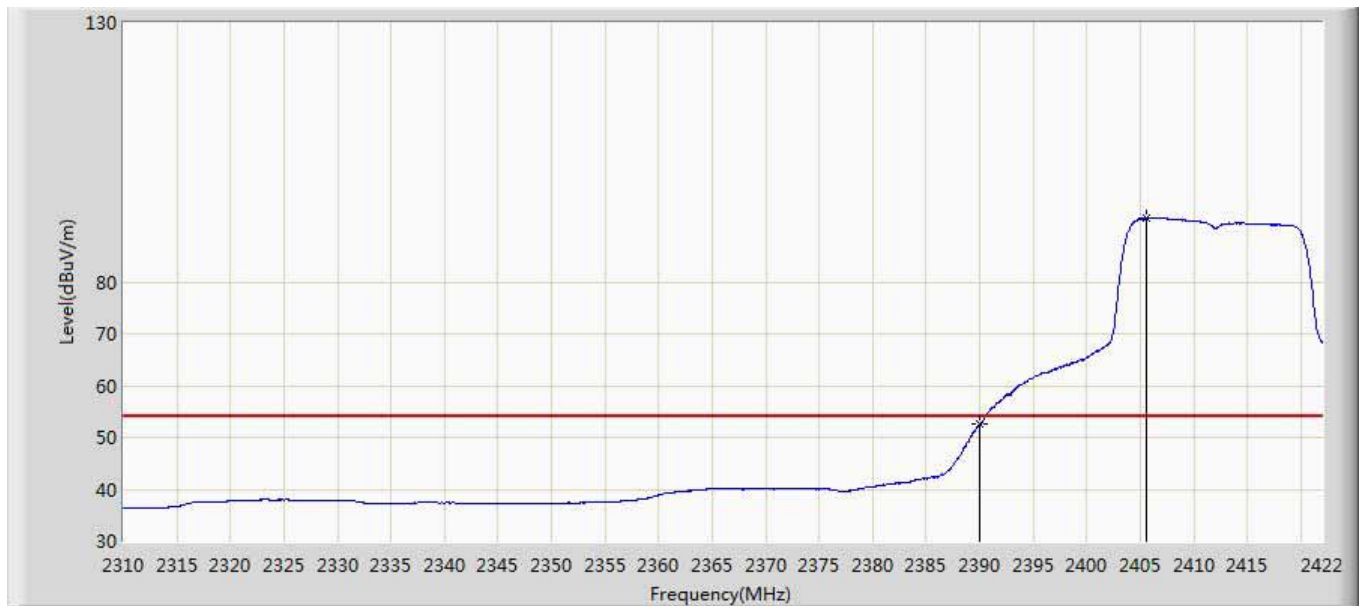
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2390.000        | 52.702                 | 15.357               | -1.298          | 54.000         | 37.345      | AV   |
| 2  | *    | 2406.320        | 95.583                 | 58.242               | 41.583          | 54.000         | 37.341      | AV   |

|                                             |                          |
|---------------------------------------------|--------------------------|
| Site: AC5                                   | Time: 2015/10/23 - 10:30 |
| Limit: FCC_Part15.209_RE(3m)                | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)          | Polarity: Vertical       |
| EUT: Wi-Fi Smart Plug                       | Power: 120V/60Hz         |
| Note: Mode 2: Transmit at ch2412 by 802.11g |                          |



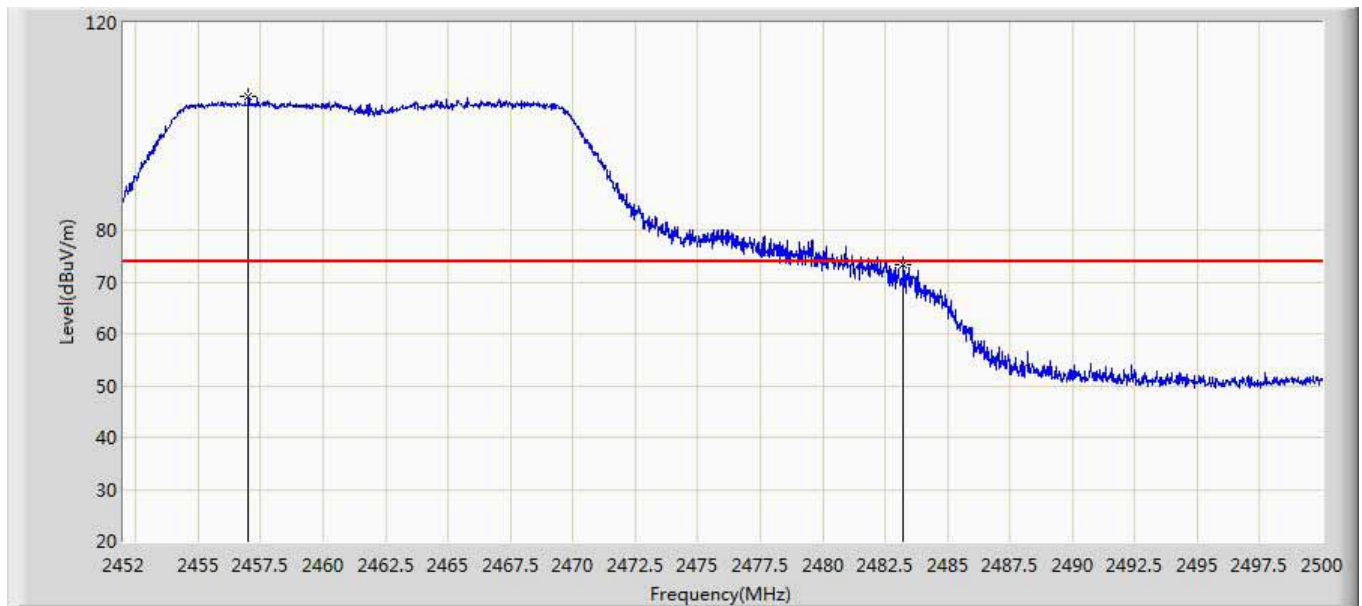
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2390.808        | 73.821                 | 36.475               | -0.871          | 74.000         | 37.346      | PK   |
| 2  | *    | 2406.880        | 103.483                | 66.142               | 29.483          | 74.000         | 37.341      | PK   |

|                                             |                          |
|---------------------------------------------|--------------------------|
| Site: AC5                                   | Time: 2015/10/23 - 10:34 |
| Limit: FCC_Part15.209_RE(3m)                | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)          | Polarity: Vertical       |
| EUT: Wi-Fi Smart Plug                       | Power: 120V/60Hz         |
| Note: Mode 2: Transmit at ch2412 by 802.11g |                          |



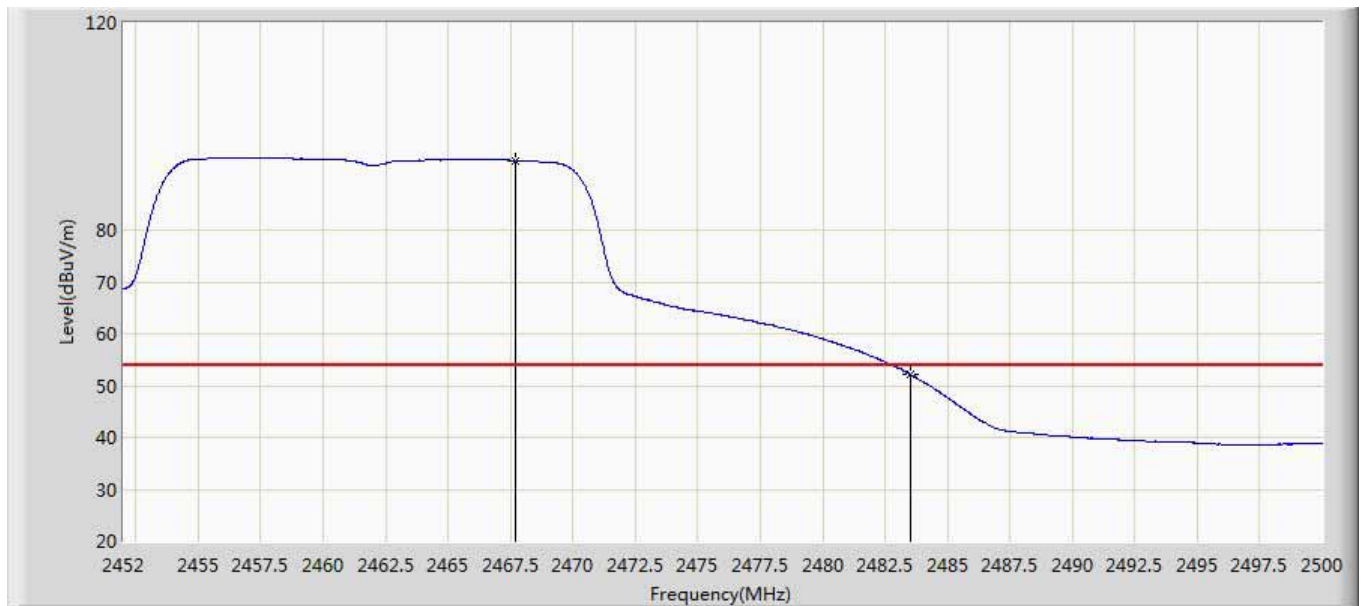
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2390.000        | 52.520                 | 15.175               | -1.480          | 54.000         | 37.345      | AV   |
| 2  | *    | 2405.536        | 92.285                 | 54.943               | 38.285          | 54.000         | 37.342      | AV   |

|                                             |                          |
|---------------------------------------------|--------------------------|
| Site: AC5                                   | Time: 2015/10/23 - 10:45 |
| Limit: FCC_Part15.209_RE(3m)                | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)          | Polarity: Horizontal     |
| EUT: Wi-Fi Smart Plug                       | Power: 120V/60Hz         |
| Note: Mode 2: Transmit at ch2462 by 802.11g |                          |



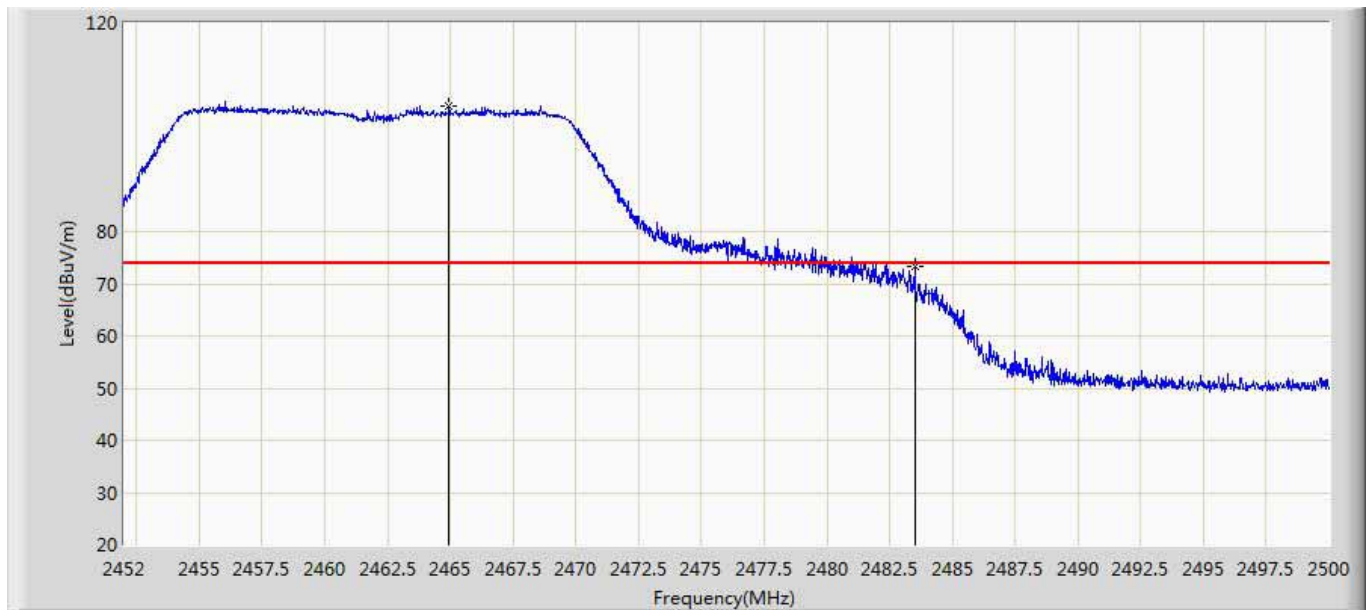
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2456.992        | 105.695                | 68.214               | 31.695          | 74.000         | 37.481      | PK   |
| 2  |      | 2483.224        | 73.267                 | 35.674               | -0.733          | 74.000         | 37.592      | PK   |

|                                             |                          |
|---------------------------------------------|--------------------------|
| Site: AC5                                   | Time: 2015/10/23 - 10:48 |
| Limit: FCC_Part15.209_RE(3m)                | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)          | Polarity: Horizontal     |
| EUT: Wi-Fi Smart Plug                       | Power: 120V/60Hz         |
| Note: Mode 2: Transmit at ch2462 by 802.11g |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2467.672        | 93.453                 | 55.945               | 39.453          | 54.000         | 37.508      | AV   |
| 2  |      | 2483.500        | 52.179                 | 14.584               | -1.821          | 54.000         | 37.595      | AV   |

|                                             |                          |
|---------------------------------------------|--------------------------|
| Site: AC5                                   | Time: 2015/10/23 - 10:54 |
| Limit: FCC_Part15.209_RE(3m)                | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)          | Polarity: Vertical       |
| EUT: Wi-Fi Smart Plug                       | Power: 120V/60Hz         |
| Note: Mode 2: Transmit at ch2462 by 802.11g |                          |



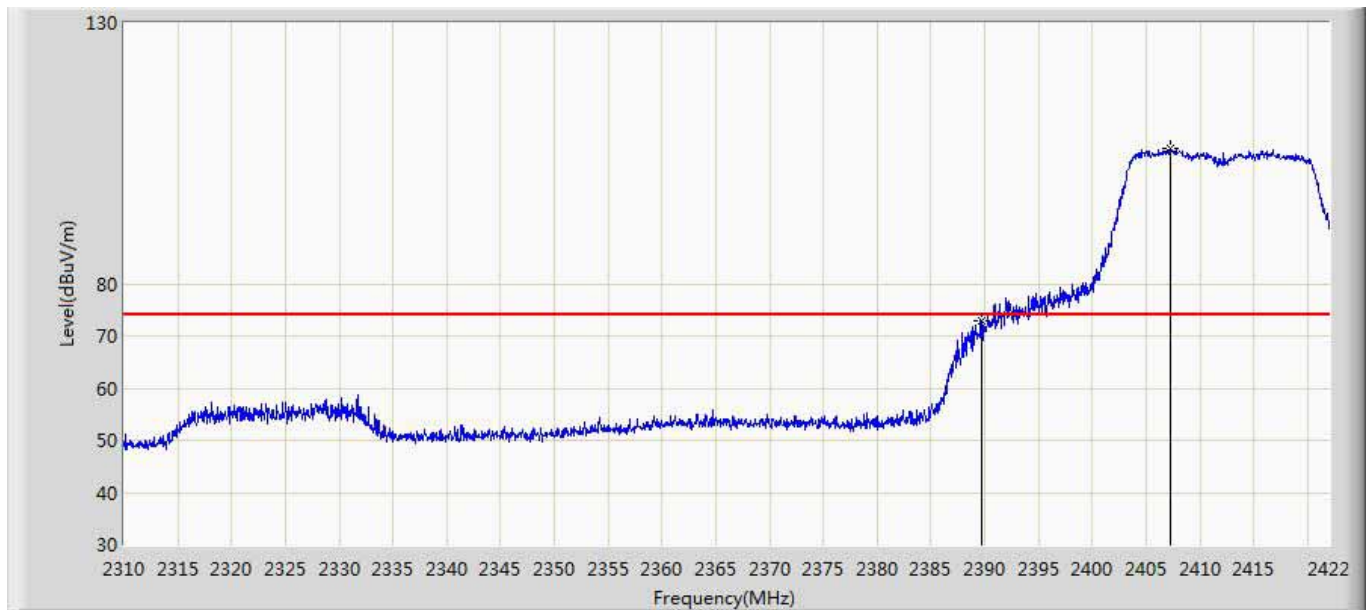
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2464.960        | 104.037                | 66.541               | 30.037          | 74.000         | 37.496      | PK   |
| 2  |      | 2483.512        | 73.282                 | 35.687               | -0.718          | 74.000         | 37.595      | PK   |

|                                             |                          |
|---------------------------------------------|--------------------------|
| Site: AC5                                   | Time: 2015/10/23 - 10:55 |
| Limit: FCC_Part15.209_RE(3m)                | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)          | Polarity: Vertical       |
| EUT: Wi-Fi Smart Plug                       | Power: 120V/60Hz         |
| Note: Mode 2: Transmit at ch2462 by 802.11g |                          |



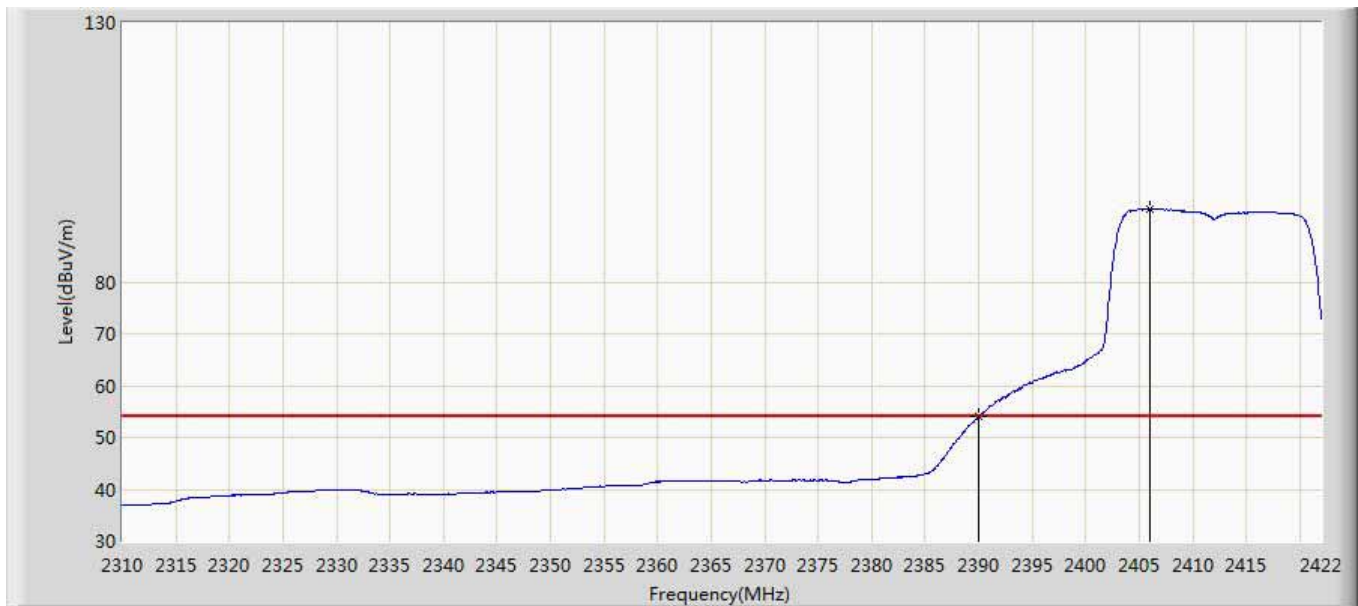
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2466.256        | 92.700                 | 55.199               | 38.700          | 54.000         | 37.502      | AV   |
| 2  |      | 2483.500        | 51.811                 | 14.216               | -2.189          | 54.000         | 37.595      | AV   |

|                                                    |                          |
|----------------------------------------------------|--------------------------|
| Site: AC5                                          | Time: 2015/10/23 - 11:04 |
| Limit: FCC_Part15.209_RE(3m)                       | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)                 | Polarity: Horizontal     |
| EUT: Wi-Fi Smart Plug                              | Power: 120V/60Hz         |
| Note: Mode 3: Transmit at ch2412 by 802.11(n20MHz) |                          |



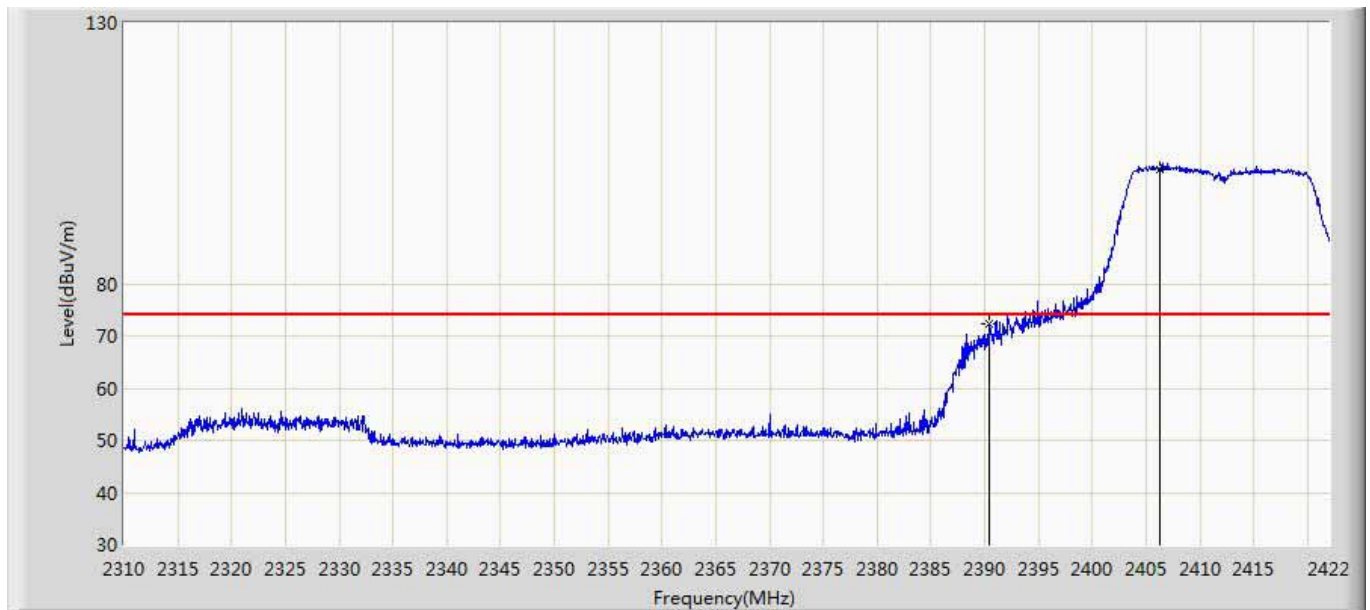
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2389.744        | 73.025                 | 35.680               | -0.975          | 74.000         | 37.345      | PK   |
| 2  | *    | 2407.328        | 106.058                | 68.717               | 32.058          | 74.000         | 37.341      | PK   |

|                                                    |                          |
|----------------------------------------------------|--------------------------|
| Site: AC5                                          | Time: 2015/10/23 - 11:05 |
| Limit: FCC_Part15.209_RE(3m)                       | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)                 | Polarity: Horizontal     |
| EUT: Wi-Fi Smart Plug                              | Power: 120V/60Hz         |
| Note: Mode 3: Transmit at ch2412 by 802.11(n20MHz) |                          |



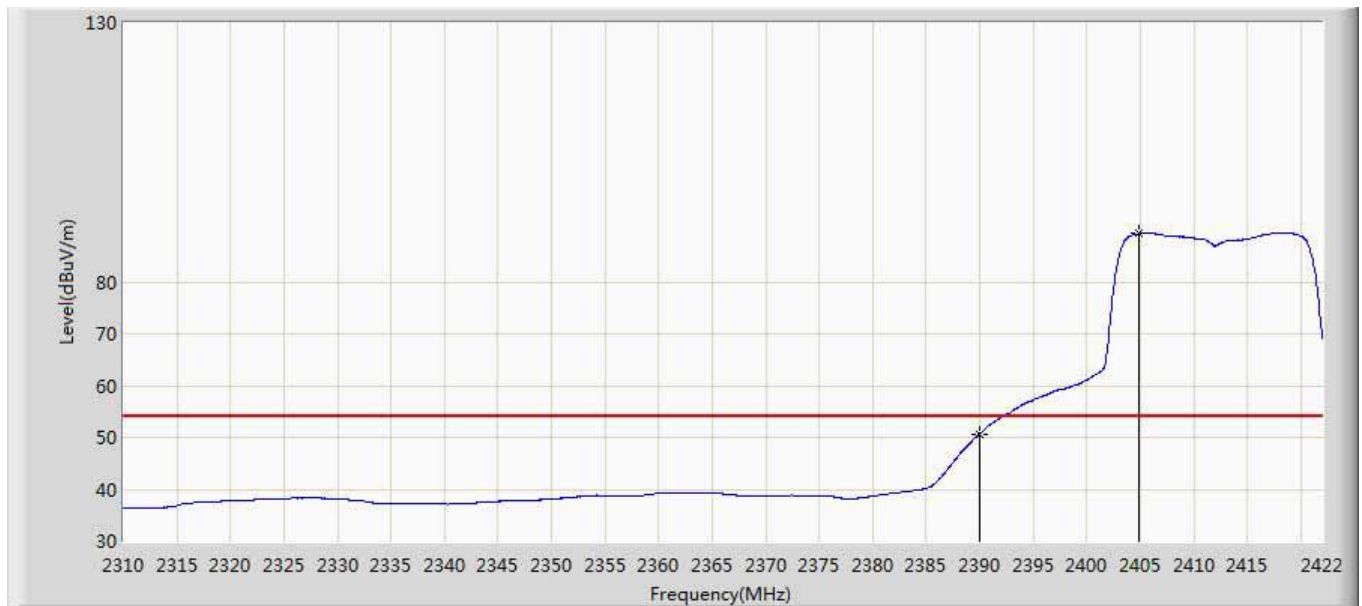
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2390.000        | 53.993                 | 16.648               | -0.007          | 54.000         | 37.345      | AV   |
| 2  | *    | 2406.040        | 94.143                 | 56.802               | 40.143          | 54.000         | 37.341      | AV   |

|                                                    |                          |
|----------------------------------------------------|--------------------------|
| Site: AC5                                          | Time: 2015/10/23 - 11:10 |
| Limit: FCC_Part15.209_RE(3m)                       | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)                 | Polarity: Vertical       |
| EUT: Wi-Fi Smart Plug                              | Power: 120V/60Hz         |
| Note: Mode 3: Transmit at ch2412 by 802.11(n20MHz) |                          |



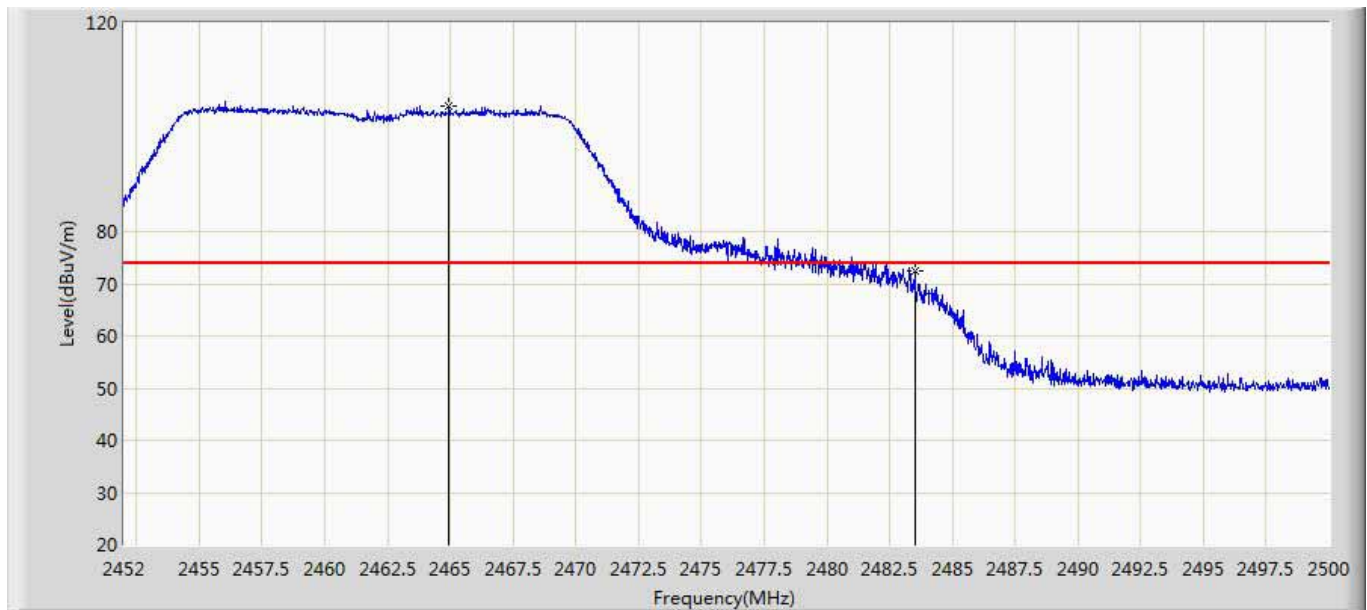
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2390.000        | 72.356                 | 35.010               | -1.644          | 74.000         | 37.346      | PK   |
| 2  | *    | 2406.320        | 101.897                | 64.556               | 27.897          | 74.000         | 37.341      | PK   |

|                                                    |                          |
|----------------------------------------------------|--------------------------|
| Site: AC5                                          | Time: 2015/10/23 - 11:13 |
| Limit: FCC_Part15.209_RE(3m)                       | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)                 | Polarity: Vertical       |
| EUT: Wi-Fi Smart Plug                              | Power: 120V/60Hz         |
| Note: Mode 3: Transmit at ch2412 by 802.11n(20MHz) |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2390.000        | 50.680                 | 13.335               | -3.320          | 54.000         | 37.345      | AV   |
| 2  | *    | 2404.920        | 89.289                 | 51.947               | 35.289          | 54.000         | 37.342      | AV   |

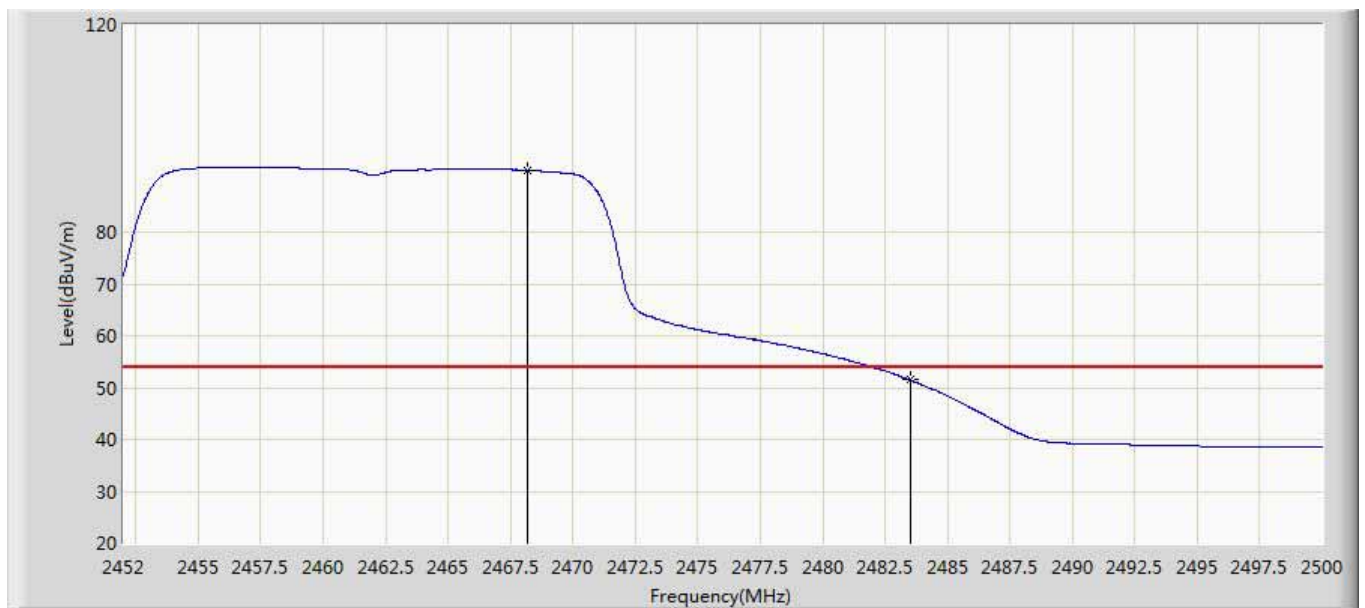
|                                                    |                          |
|----------------------------------------------------|--------------------------|
| Site: AC5                                          | Time: 2015/10/23 - 11:23 |
| Limit: FCC_Part15.209_RE(3m)                       | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)                 | Polarity: Horizontal     |
| EUT: Wi-Fi Smart Plug                              | Power: 120V/60Hz         |
| Note: Mode 3: Transmit at ch2462 by 802.11n(20MHz) |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2464.960        | 104.037                | 66.541               | 30.037          | 74.000         | 37.496      | PK   |
| 2  |      | 2483.512        | 72.582                 | 34.987               | -1.418          | 74.000         | 37.595      | PK   |

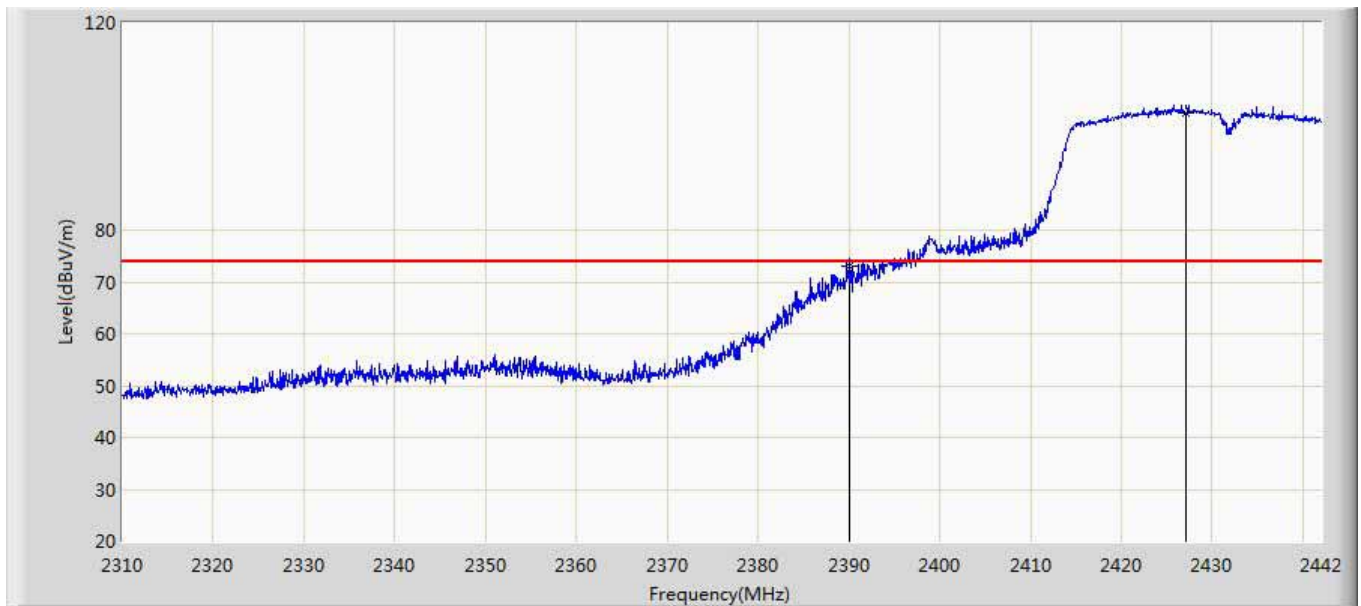
|                                    |                          |
|------------------------------------|--------------------------|
| Site: AC5                          | Time: 2015/10/23 - 11:26 |
| Limit: FCC_Part15.209_RE(3m)       | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz) | Polarity: Horizontal     |

|                                                    |                  |
|----------------------------------------------------|------------------|
| EUT: Wi-Fi Smart Plug                              | Power: 120V/60Hz |
| Note: Mode 3: Transmit at ch2462 by 802.11n(20MHz) |                  |



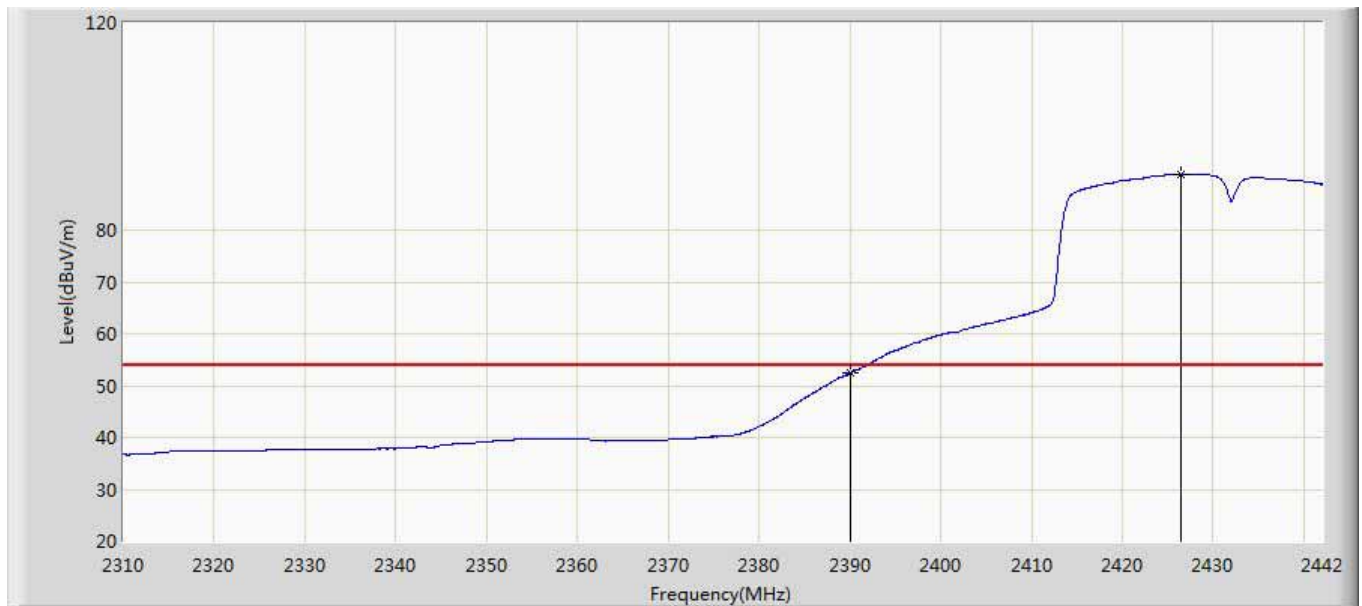
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2468.200        | 91.902                 | 54.392               | 37.902          | 54.000         | 37.510      | AV   |
| 2  |      | 2483.500        | 51.461                 | 13.866               | -2.539          | 54.000         | 37.595      | AV   |

|                                                    |                          |
|----------------------------------------------------|--------------------------|
| Site: AC5                                          | Time: 2015/10/24 - 11:03 |
| Limit: FCC_Part15.209_RE(3m)                       | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)                 | Polarity: Horizontal     |
| EUT: Wi-Fi Smart Plug                              | Power: 120V/60Hz         |
| Note: Mode 4: Transmit at ch2422 by 802.11n(40MHz) |                          |



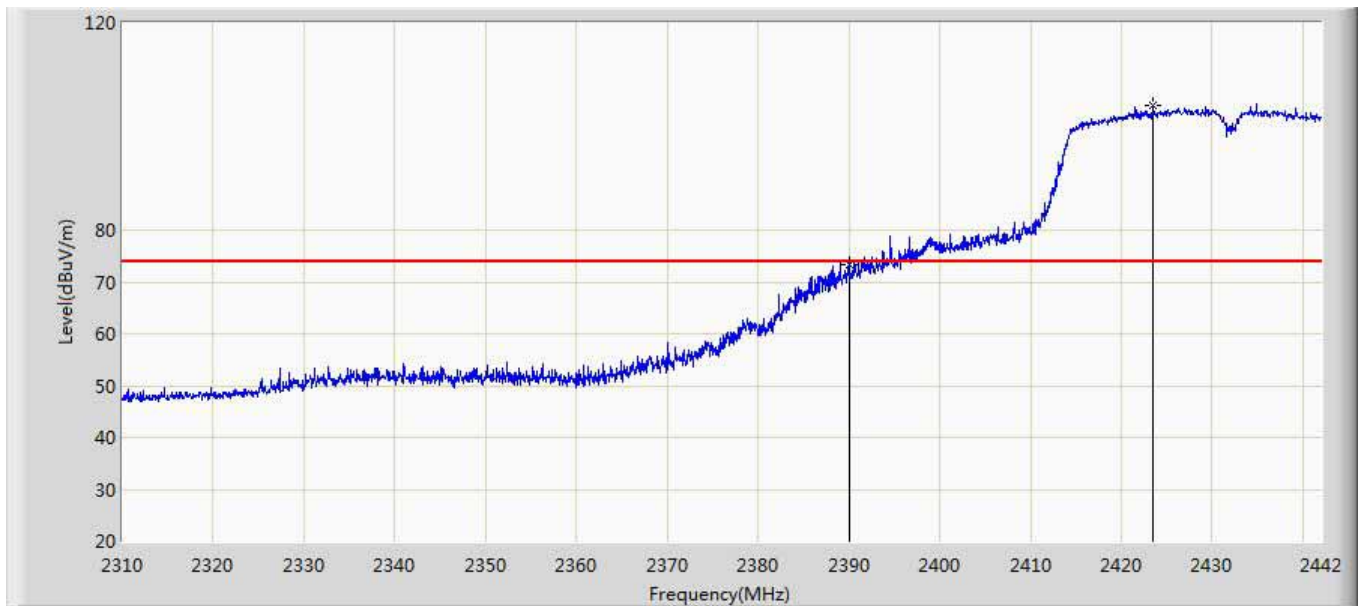
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2390.000        | 73.058                 | 35.713               | -0.942          | 74.000         | 37.345      | PK   |
| 2  | *    | 2427.127        | 102.485                | 65.022               | 28.485          | 74.000         | 37.463      | PK   |

|                                                    |                          |
|----------------------------------------------------|--------------------------|
| Site: AC5                                          | Time: 2015/10/24 - 11:03 |
| Limit: FCC_Part15.209_RE(3m)                       | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)                 | Polarity: Horizontal     |
| EUT: Wi-Fi Smart Plug                              | Power: 120V/60Hz         |
| Note: Mode 4: Transmit at ch2422 by 802.11n(40MHz) |                          |



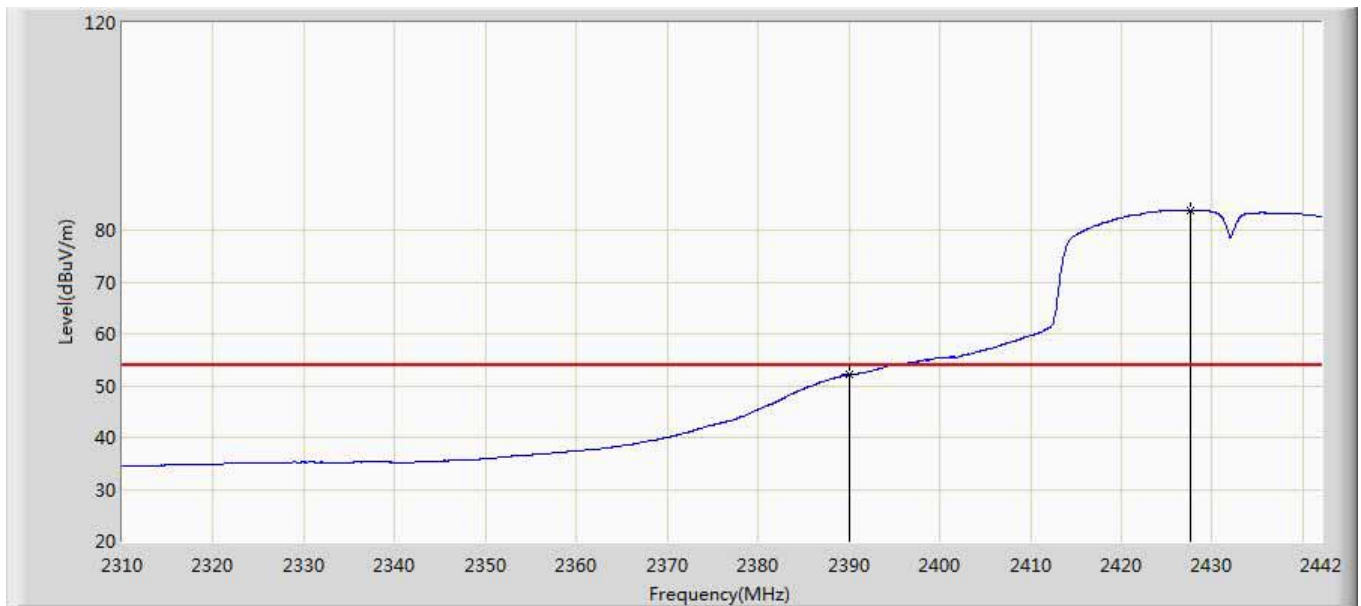
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2390.000        | 52.461                 | 15.116               | -1.539          | 54.000         | 37.345      | AV   |
| 2  | *    | 2426.424        | 90.710                 | 53.252               | 36.710          | 54.000         | 37.457      | AV   |

|                                                    |                          |
|----------------------------------------------------|--------------------------|
| Site: AC5                                          | Time: 2015/10/24 - 11:09 |
| Limit: FCC_Part15.209_RE(3m)                       | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)                 | Polarity: Vertical       |
| EUT: Wi-Fi Smart Plug                              | Power: 120V/60Hz         |
| Note: Mode 4: Transmit at ch2422 by 802.11n(40MHz) |                          |



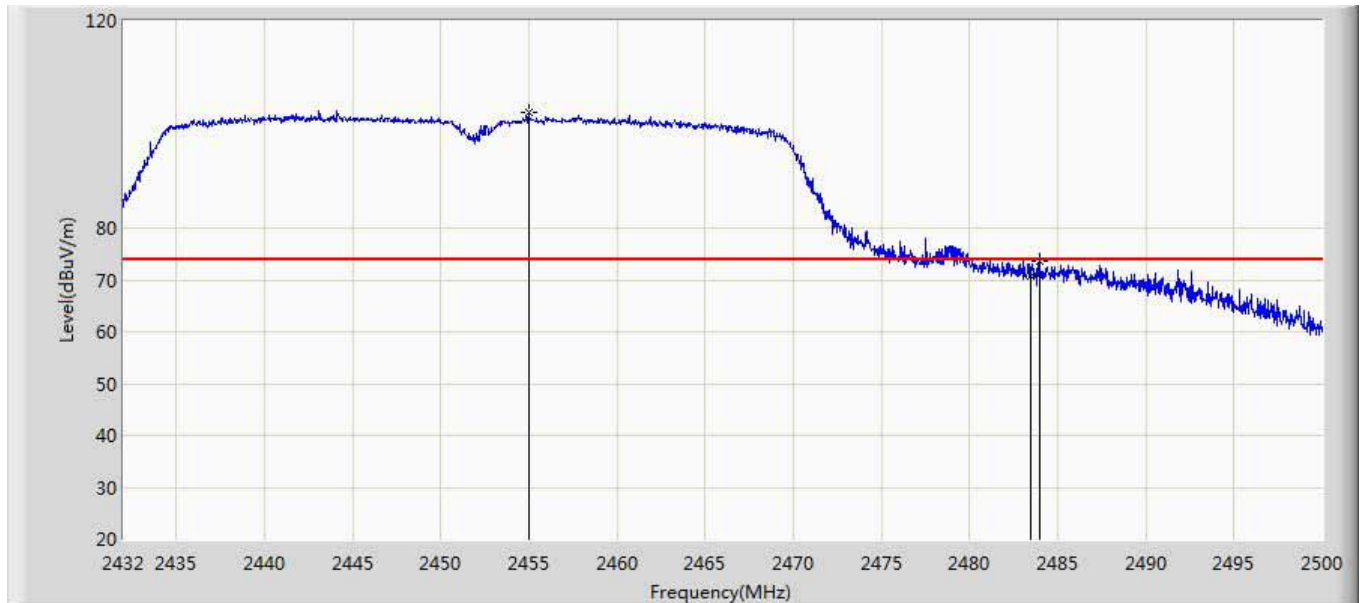
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2390.000        | 73.334                 | 35.989               | -0.666          | 74.000         | 37.345      | PK   |
| 2  | *    | 2423.520        | 103.992                | 66.557               | 29.992          | 74.000         | 37.435      | PK   |

|                                                    |                          |
|----------------------------------------------------|--------------------------|
| Site: AC5                                          | Time: 2015/10/24 - 11:09 |
| Limit: FCC_Part15.209_RE(3m)                       | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)                 | Polarity: Vertical       |
| EUT: Wi-Fi Smart Plug                              | Power: 120V/60Hz         |
| Note: Mode 4: Transmit at ch2422 by 802.11n(40MHz) |                          |



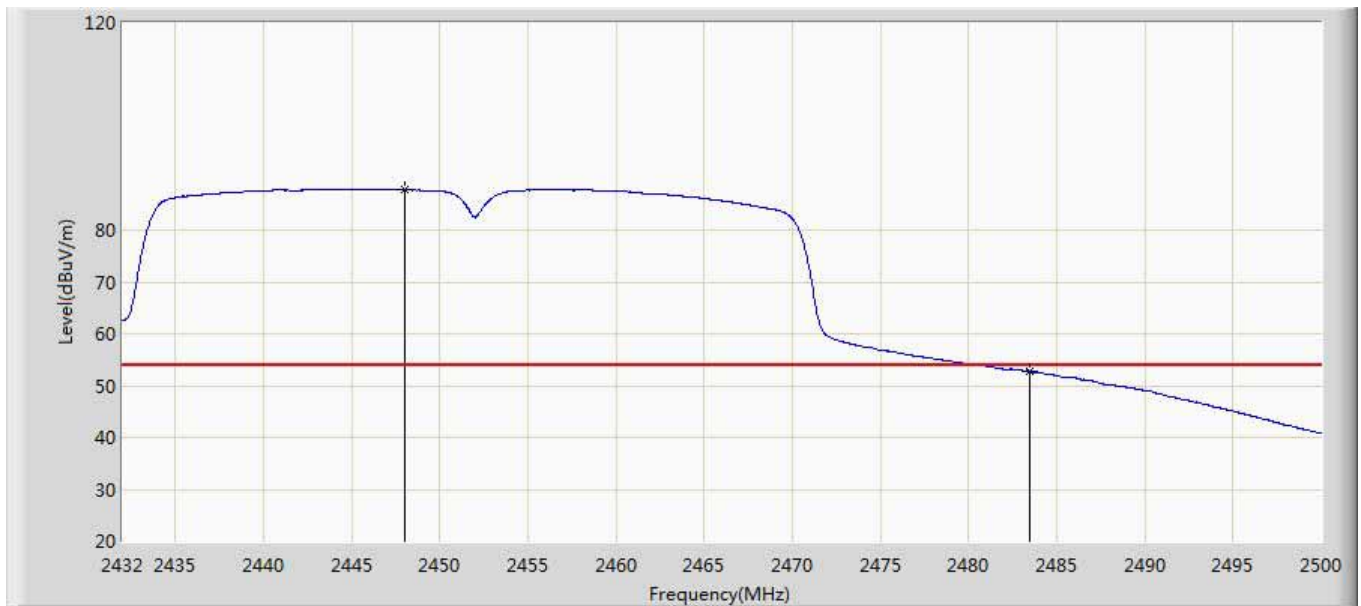
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2390.000        | 52.119                 | 14.774               | -1.881          | 54.000         | 37.345      | AV   |
| 2  | *    | 2427.678        | 83.844                 | 46.376               | 29.844          | 54.000         | 37.467      | AV   |

|                                                    |                          |
|----------------------------------------------------|--------------------------|
| Site: AC5                                          | Time: 2015/10/24 - 11:17 |
| Limit: FCC_Part15.209_RE(3m)                       | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)                 | Polarity: Horizontal     |
| EUT: Wi-Fi Smart Plug                              | Power: 120V/60Hz         |
| Note: Mode 4: Transmit at ch2452 by 802.11n(40MHz) |                          |



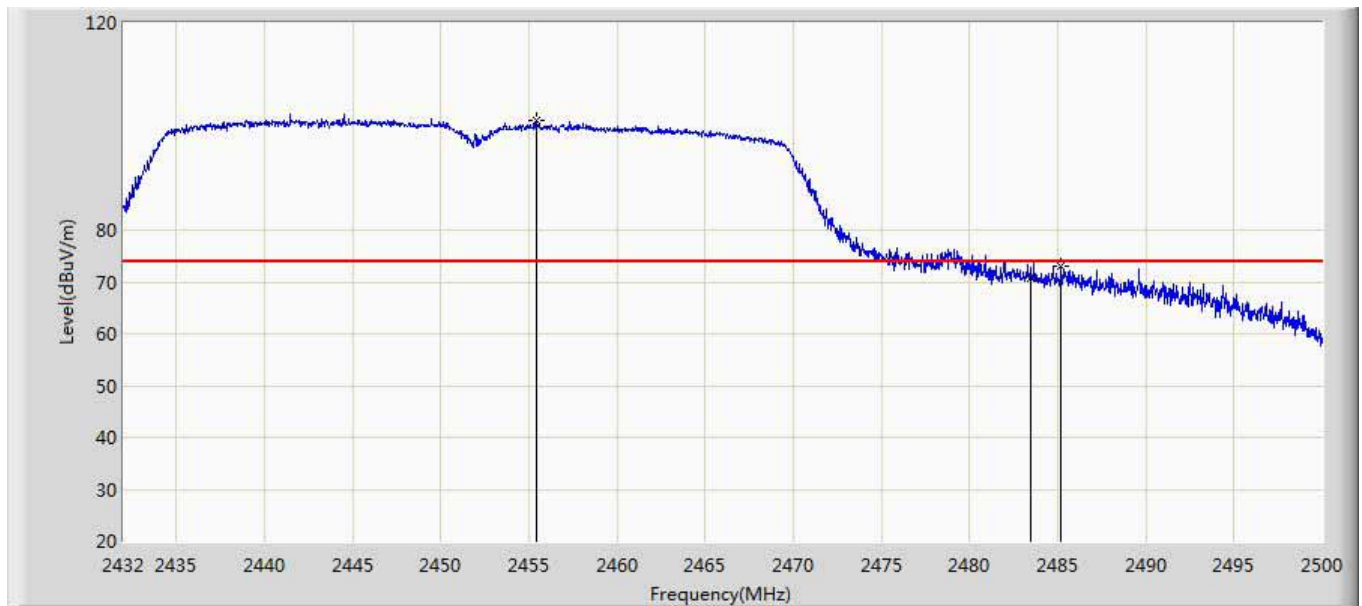
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2454.984        | 102.267                | 64.786               | 28.267          | 74.000         | 37.481      | PK   |
| 2  |      | 2483.500        | 70.816                 | 33.221               | -3.184          | 74.000         | 37.595      | PK   |
| 3  |      | 2483.952        | 73.581                 | 35.982               | -0.419          | 74.000         | 37.599      | PK   |

|                                                    |                          |
|----------------------------------------------------|--------------------------|
| Site: AC5                                          | Time: 2015/10/24 - 11:20 |
| Limit: FCC_Part15.209_RE(3m)                       | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)                 | Polarity: Horizontal     |
| EUT: Wi-Fi Smart Plug                              | Power: 120V/60Hz         |
| Note: Mode 4: Transmit at ch2452 by 802.11n(40MHz) |                          |



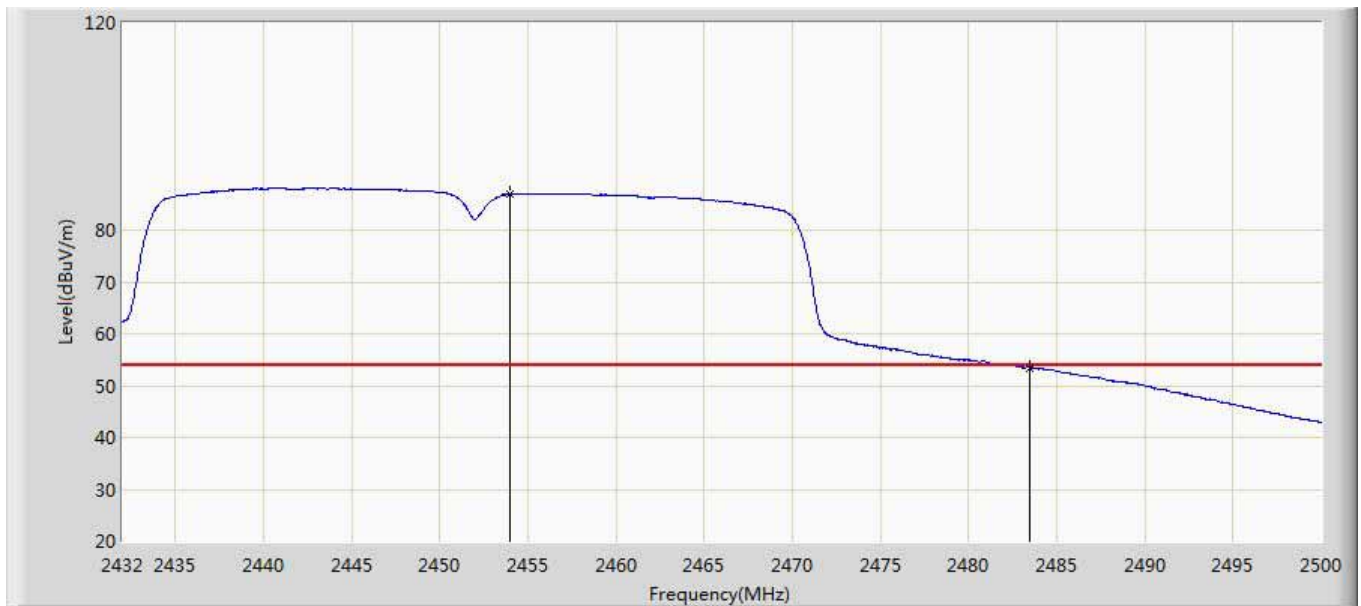
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2448.048        | 87.775                 | 50.296               | 33.775          | 54.000         | 37.480      | AV   |
| 2  |      | 2483.500        | 52.721                 | 15.126               | -1.279          | 54.000         | 37.595      | AV   |

|                                                    |                          |
|----------------------------------------------------|--------------------------|
| Site: AC5                                          | Time: 2015/10/24 - 11:25 |
| Limit: FCC_Part15.209_RE(3m)                       | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)                 | Polarity: Vertical       |
| EUT: Wi-Fi Smart Plug                              | Power: 120V/60Hz         |
| Note: Mode 4: Transmit at ch2452 by 802.11n(40MHz) |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2455.426        | 101.244                | 63.763               | 27.244          | 74.000         | 37.481      | PK   |
| 2  |      | 2483.500        | 70.755                 | 33.160               | -3.245          | 74.000         | 37.595      | PK   |
| 3  |      | 2485.210        | 73.117                 | 35.508               | -0.883          | 74.000         | 37.609      | PK   |

|                                                    |                          |
|----------------------------------------------------|--------------------------|
| Site: AC5                                          | Time: 2015/10/24 - 11:26 |
| Limit: FCC_Part15.209_RE(3m)                       | Margin: 0                |
| Probe: Horn_3117_00165315(1-18GHz)                 | Polarity: Vertical       |
| EUT: Wi-Fi Smart Plug                              | Power: 120V/60Hz         |
| Note: Mode 4: Transmit at ch2452 by 802.11n(40MHz) |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2453.964        | 86.927                 | 49.446               | 32.927          | 54.000         | 37.481      | AV   |
| 2  |      | 2483.500        | 53.434                 | 15.839               | -0.566          | 54.000         | 37.595      | AV   |

## 7. Occupied Bandwidth

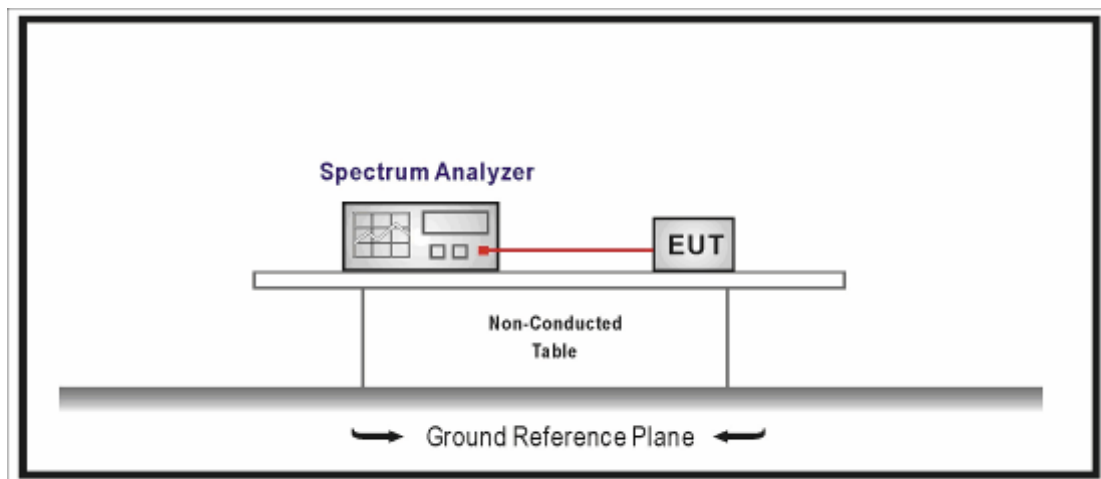
### 7.1. Test Equipment

Occupied Bandwidth / TR-8

| Instrument                 | Manufacturer | Type No. | Serial No. | Cal. Due Date |
|----------------------------|--------------|----------|------------|---------------|
| Spectrum Analyzer          | Agilent      | E4446A   | MY45300103 | 2016.01.07    |
| Temperature/Humidity Meter | zhicheng     | ZC1-2    | TR8-TH     | 2016.04.09    |

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

### 7.2. Test Setup



### 7.3. Limit

For FCC

99% occupied bandwidth should be less than the nominal bandwidth.

### 7.4. Test Procedure

According to FCC ANSI C63.4: 2014 & ANSI C63.10: 2013& FCC 47CFR 15.247& KDB 558074 D01v03r03

- Set RBW = in the range of 1% to 5% of the OBW.
- Set the video bandwidth (VBW)  $\geq 3 \times$  RBW.
- Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.

- f) Allow the trace to stabilize.
- g) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.

## 7.5. Uncertainty

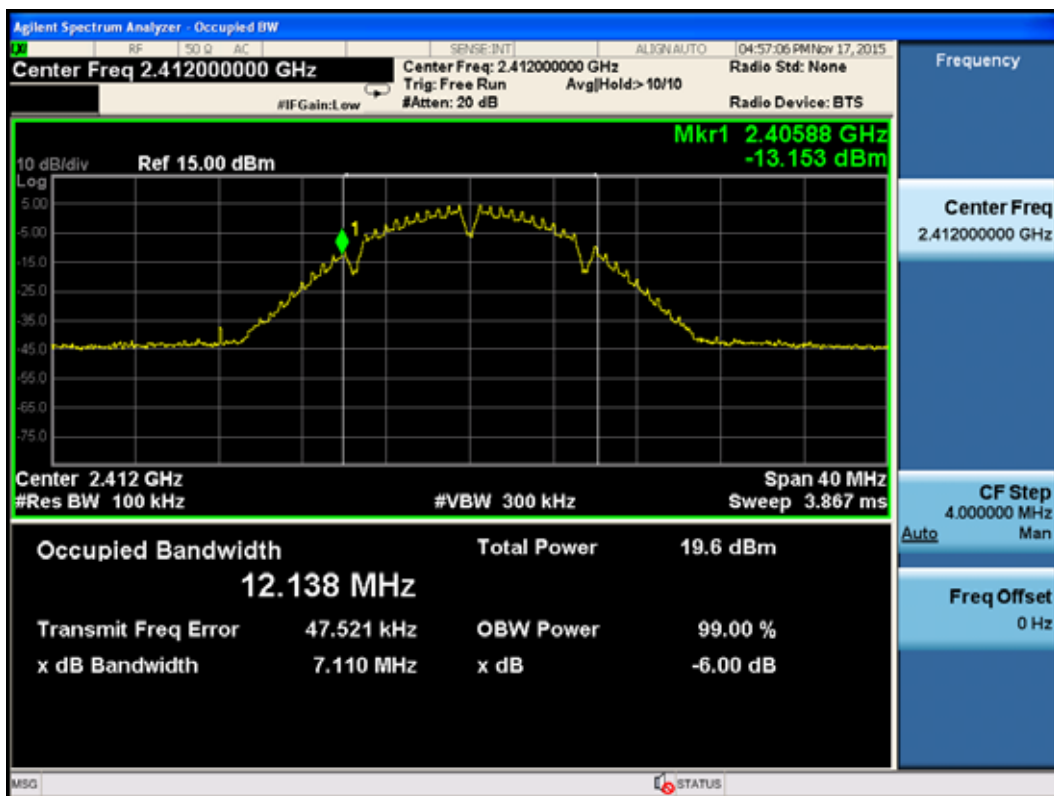
The measurement uncertainty is defined as  $\pm 1$  kHz

## 7.6. Test Result

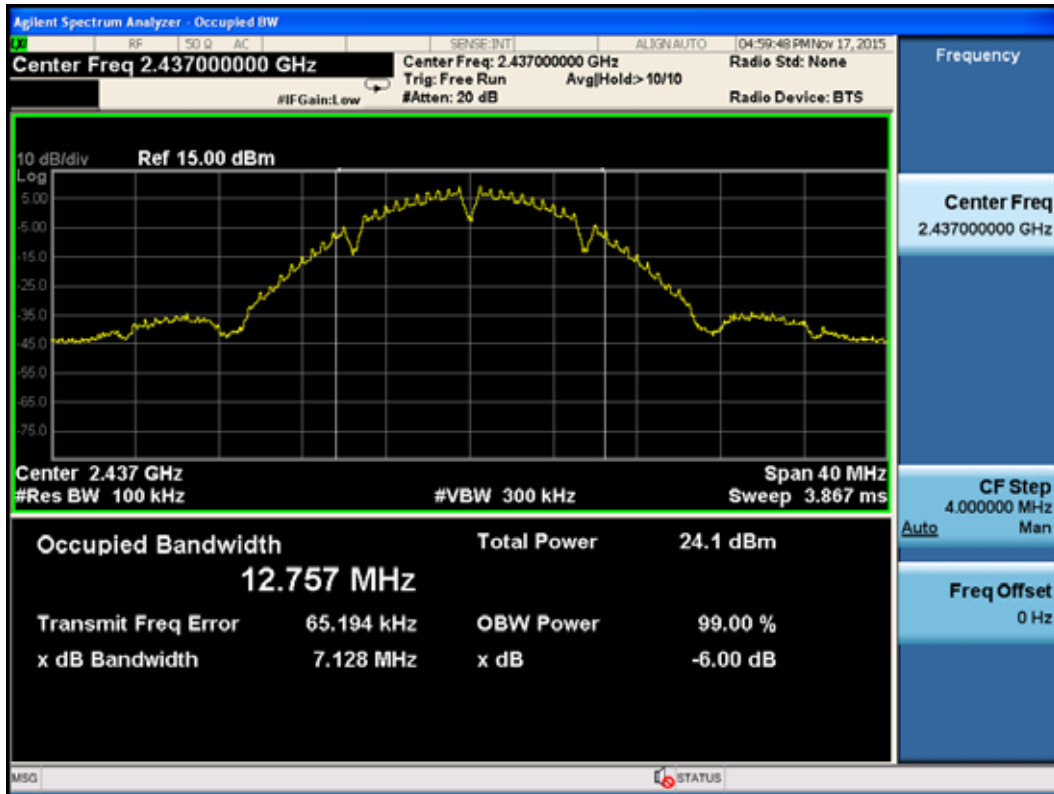
|           |   |                             |
|-----------|---|-----------------------------|
| Product   | : | Wi-Fi Smart Plug            |
| Test Item | : | Occupied Bandwidth          |
| Test Mode | : | Mode 1: Transmit by 802.11b |

| Channel No. | Frequency (MHz) | Occupied Bandwidth (kHz) | 6dB Bandwidth (kHz) | FCC Limit (kHz) | Result |
|-------------|-----------------|--------------------------|---------------------|-----------------|--------|
| 01          | 2412            | 12138                    | 7110                | 20000           | Pass   |
| 06          | 2437            | 12757                    | 7128                | 20000           | Pass   |
| 11          | 2462            | 12657                    | 7568                | 20000           | Pass   |

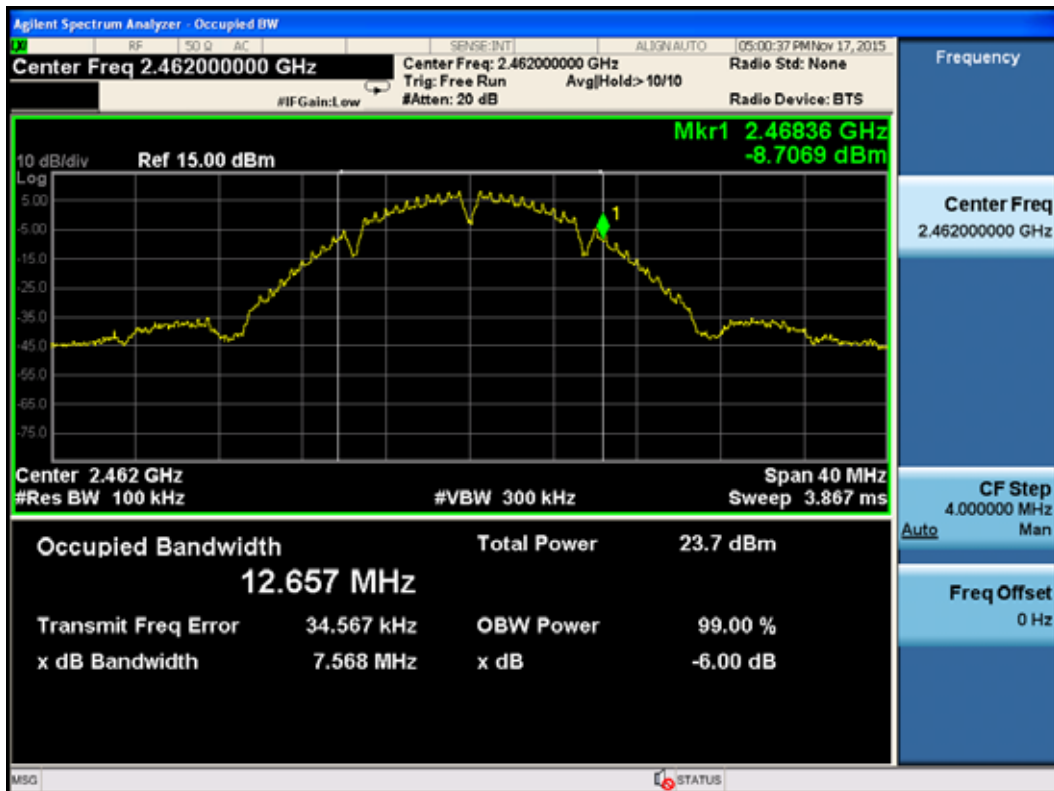
Channel 01 (2412MHz)



### Channel 06 (2437MHz)



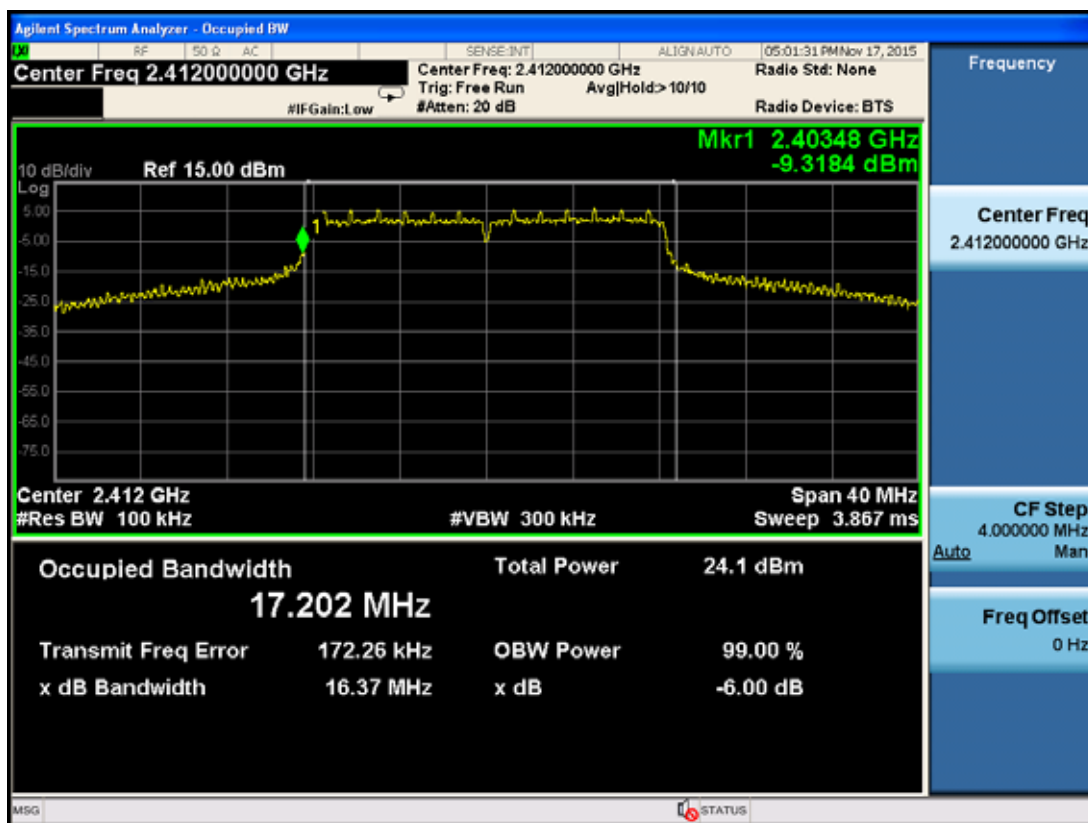
### Channel 11 (2462MHz)



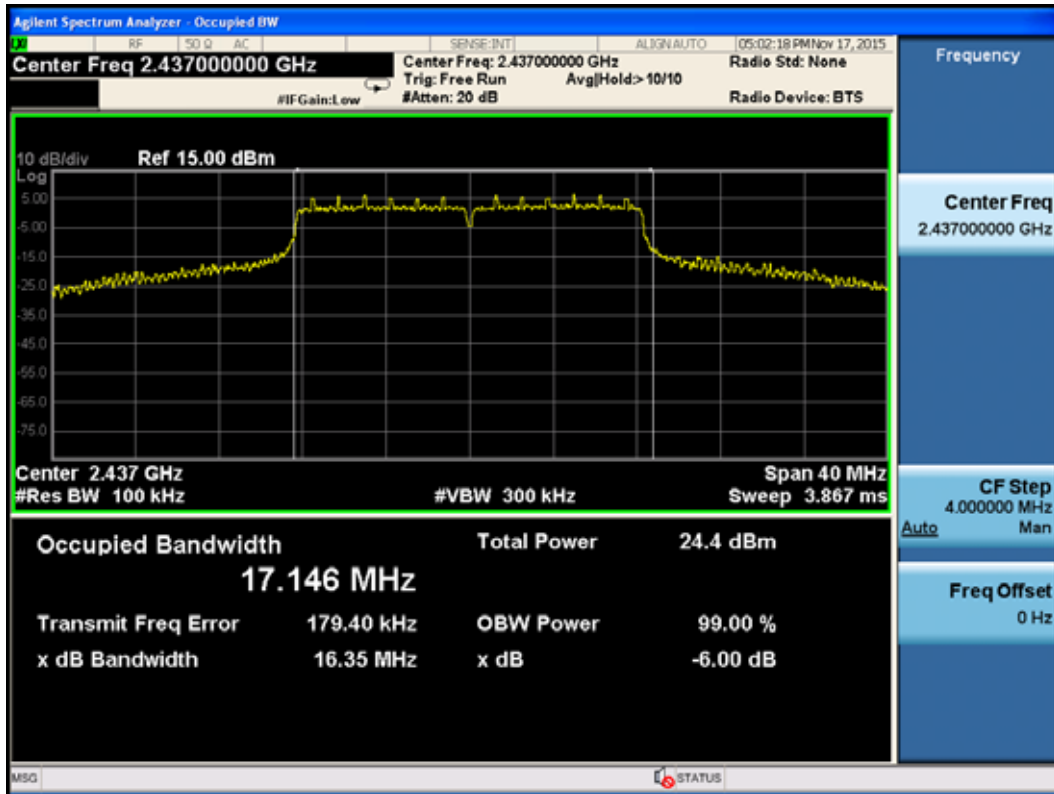
|           |   |                             |
|-----------|---|-----------------------------|
| Product   | : | Wi-Fi Smart Plug            |
| Test Item | : | Occupied Bandwidth          |
| Test Mode | : | Mode 2: Transmit by 802.11g |

| Channel No. | Frequency (MHz) | Occupied Bandwidth (kHz) | 6dB Bandwidth (kHz) | FCC Limit (kHz) | Result |
|-------------|-----------------|--------------------------|---------------------|-----------------|--------|
| 01          | 2412            | 17202                    | 16370               | 20000           | Pass   |
| 06          | 2437            | 17146                    | 16350               | 20000           | Pass   |
| 11          | 2462            | 17096                    | 16380               | 20000           | Pass   |

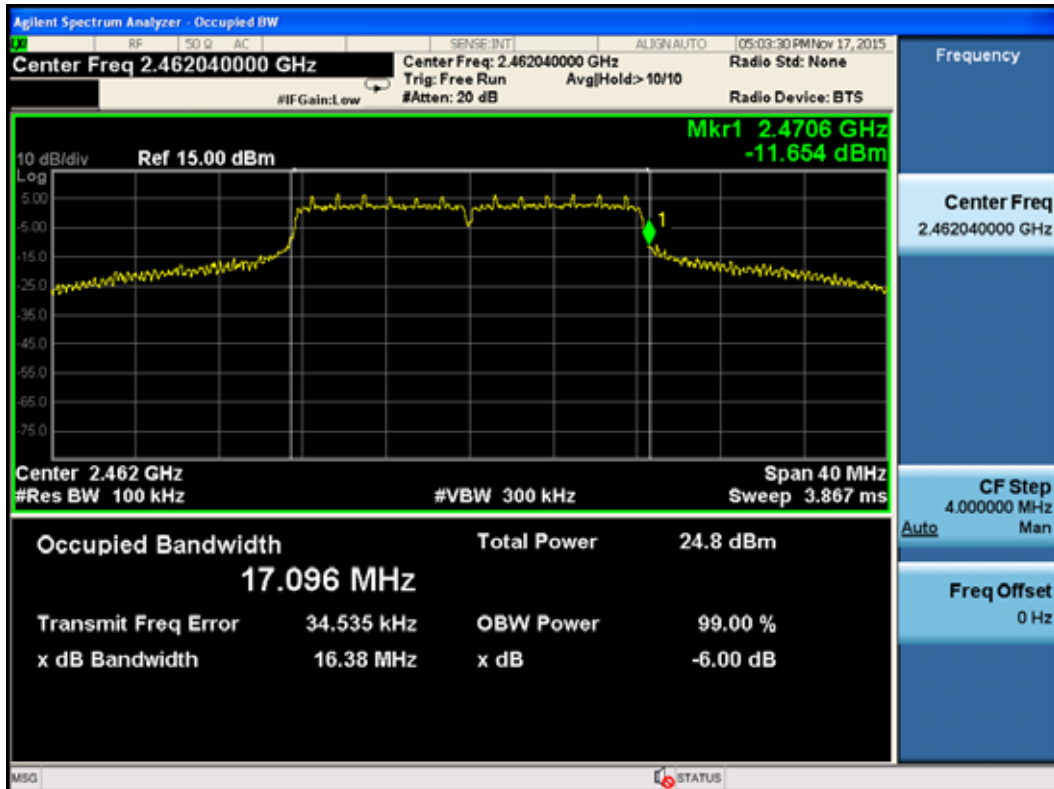
### Channel 01 (2412MHz)



### Channel 06 (2437MHz)



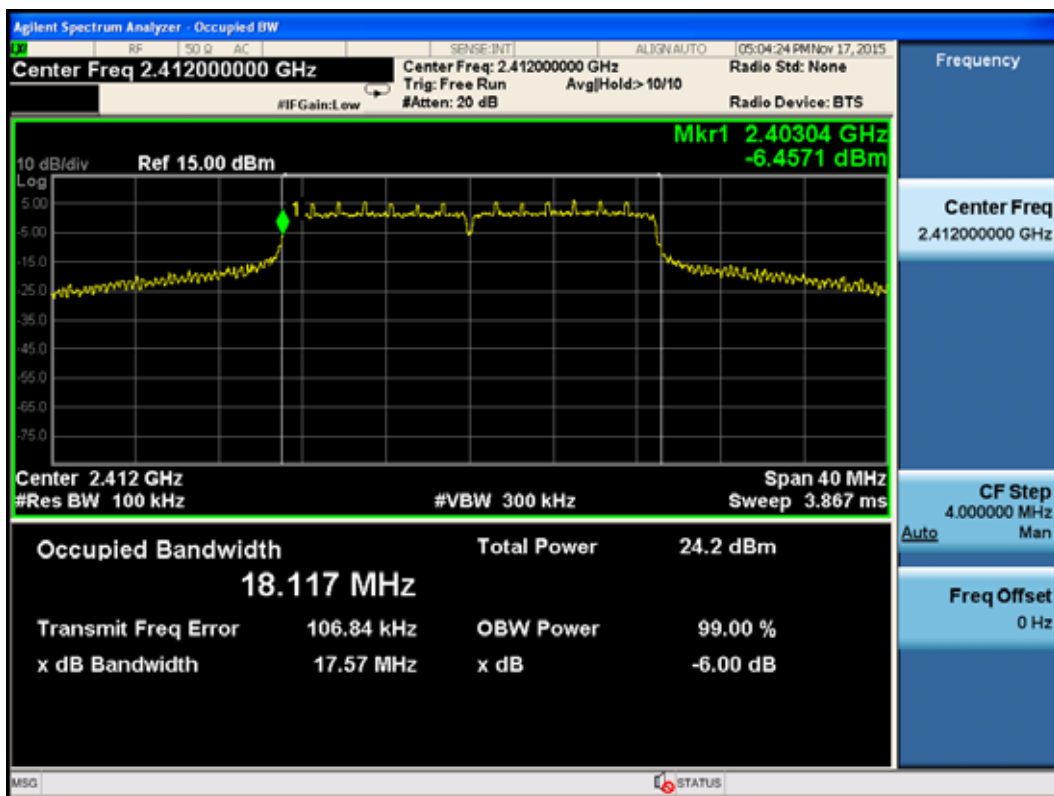
### Channel 11 (2462MHz)



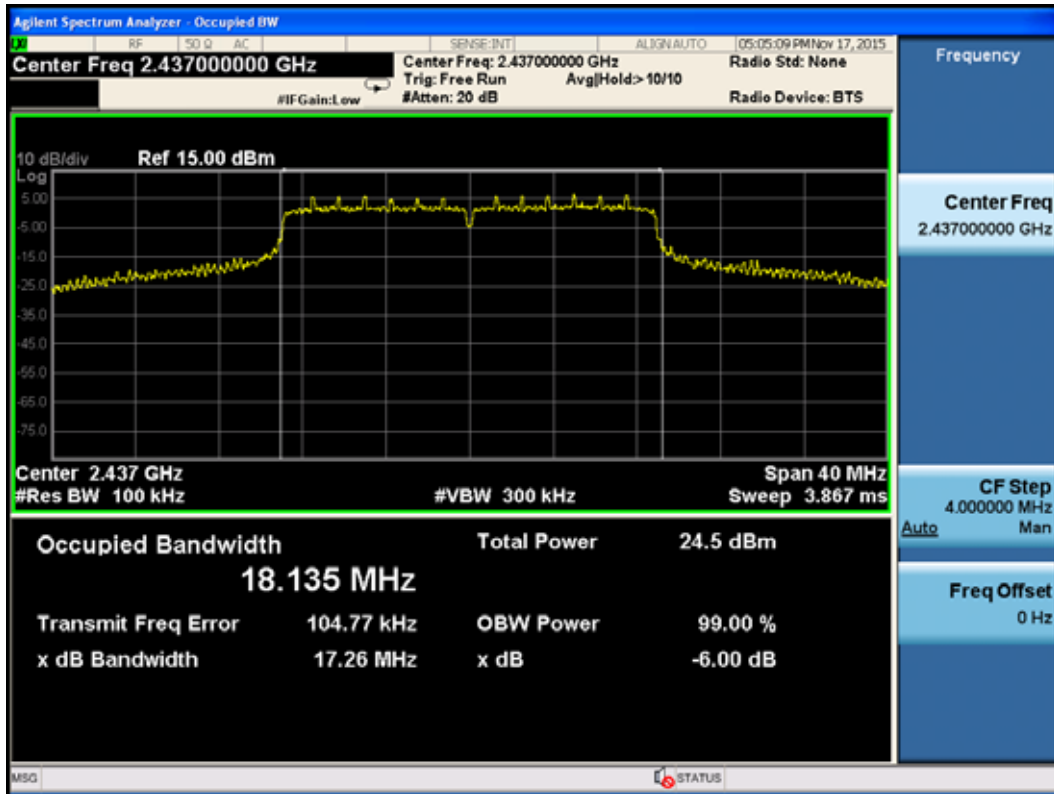
|           |   |                                    |
|-----------|---|------------------------------------|
| Product   | : | Wi-Fi Smart Plug                   |
| Test Item | : | Occupied Bandwidth                 |
| Test Mode | : | Mode 3: Transmit by 802.11n(20MHz) |

| Channel No. | Frequency (MHz) | Occupied Bandwidth (kHz) | 6dB Bandwidth (kHz) | FCC Limit (kHz) | Result |
|-------------|-----------------|--------------------------|---------------------|-----------------|--------|
| 01          | 2412            | 18117                    | 17570               | 20000           | Pass   |
| 06          | 2437            | 18135                    | 17260               | 20000           | Pass   |
| 11          | 2462            | 17971                    | 17570               | 20000           | Pass   |

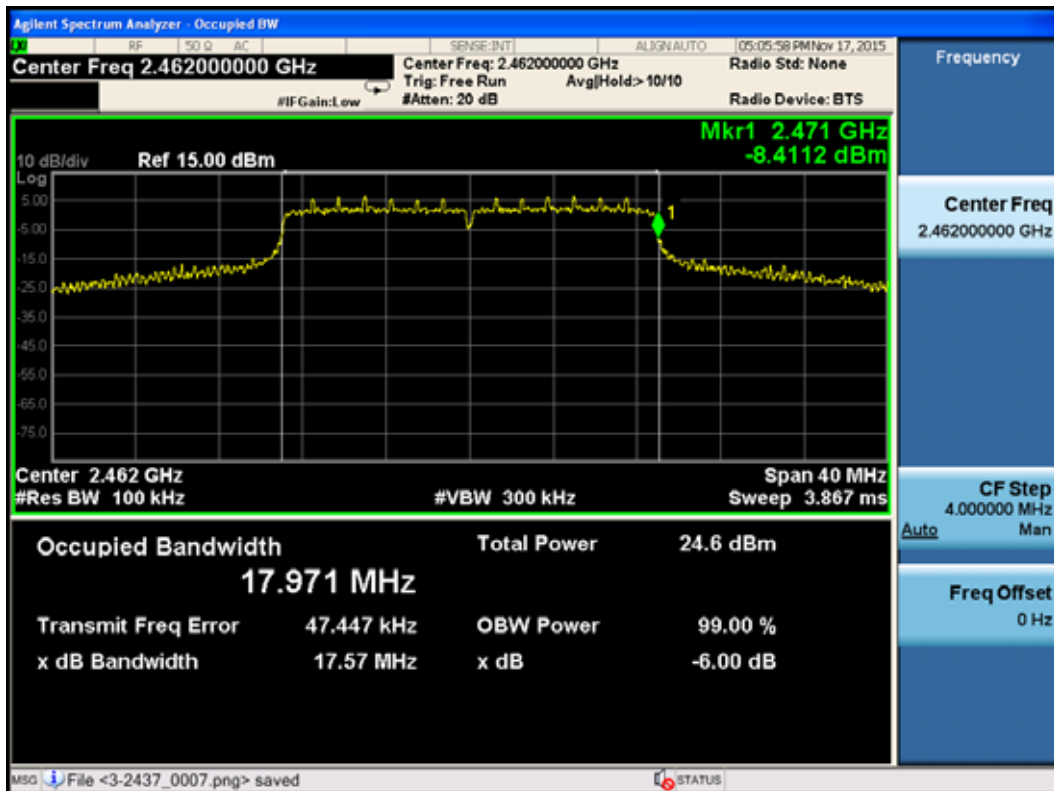
### Channel 01 (2412MHz)



### Channel 06 (2437MHz)



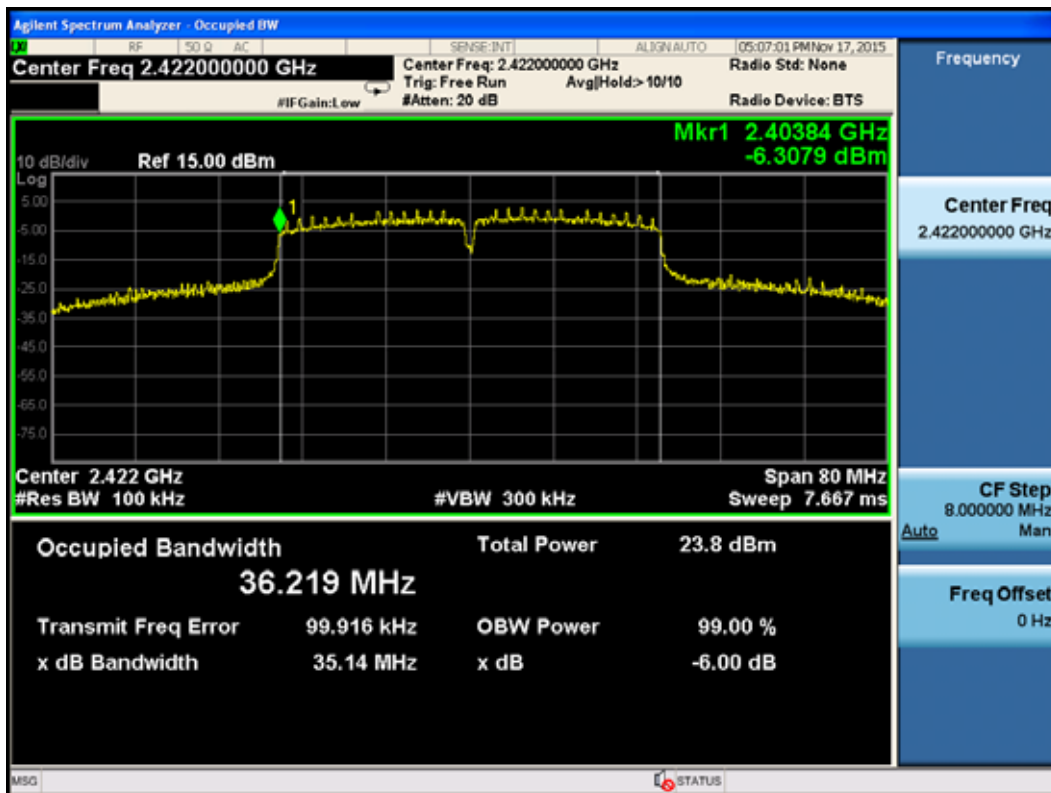
### Channel 11 (2462MHz)



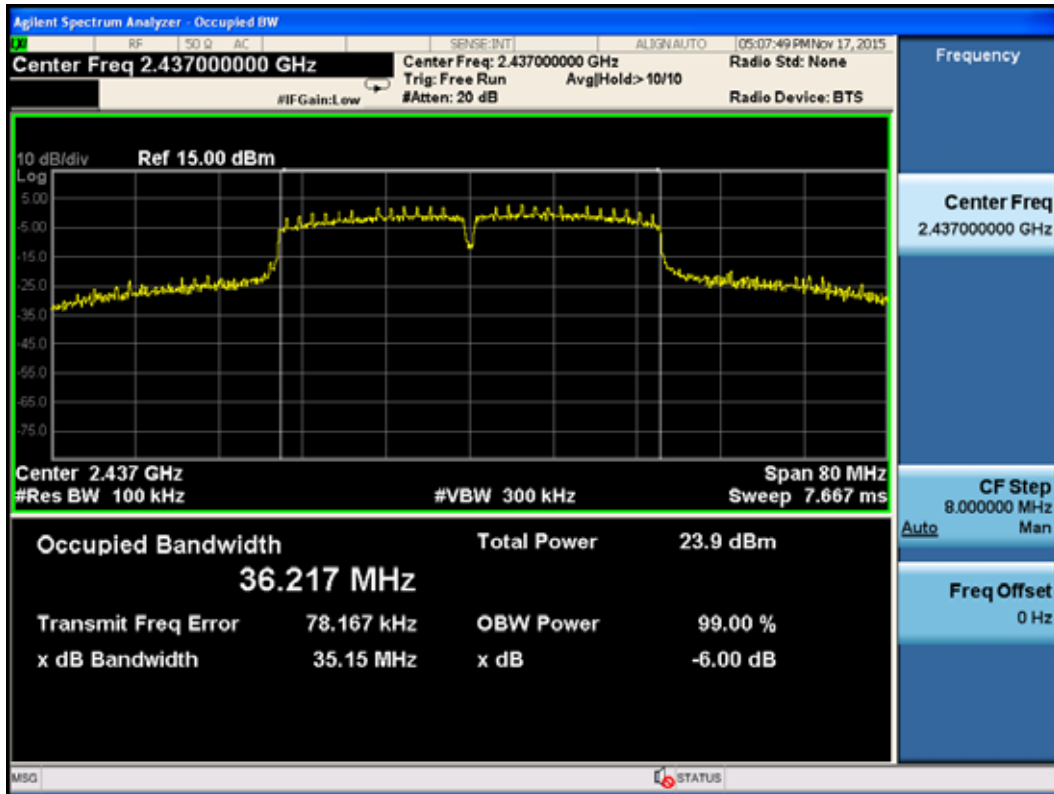
|           |   |                                    |
|-----------|---|------------------------------------|
| Product   | : | Wi-Fi Smart Plug                   |
| Test Item | : | Occupied Bandwidth                 |
| Test Mode | : | Mode 4: Transmit by 802.11n(40MHz) |

| Channel No. | Frequency (MHz) | Occupied Bandwidth (kHz) | 6dB Bandwidth (kHz) | FCC Limit (kHz) | Result |
|-------------|-----------------|--------------------------|---------------------|-----------------|--------|
| 03          | 2422            | 36219                    | 35140               | 40000           | Pass   |
| 06          | 2437            | 36217                    | 35150               | 40000           | Pass   |
| 09          | 2452            | 36296                    | 35140               | 40000           | Pass   |

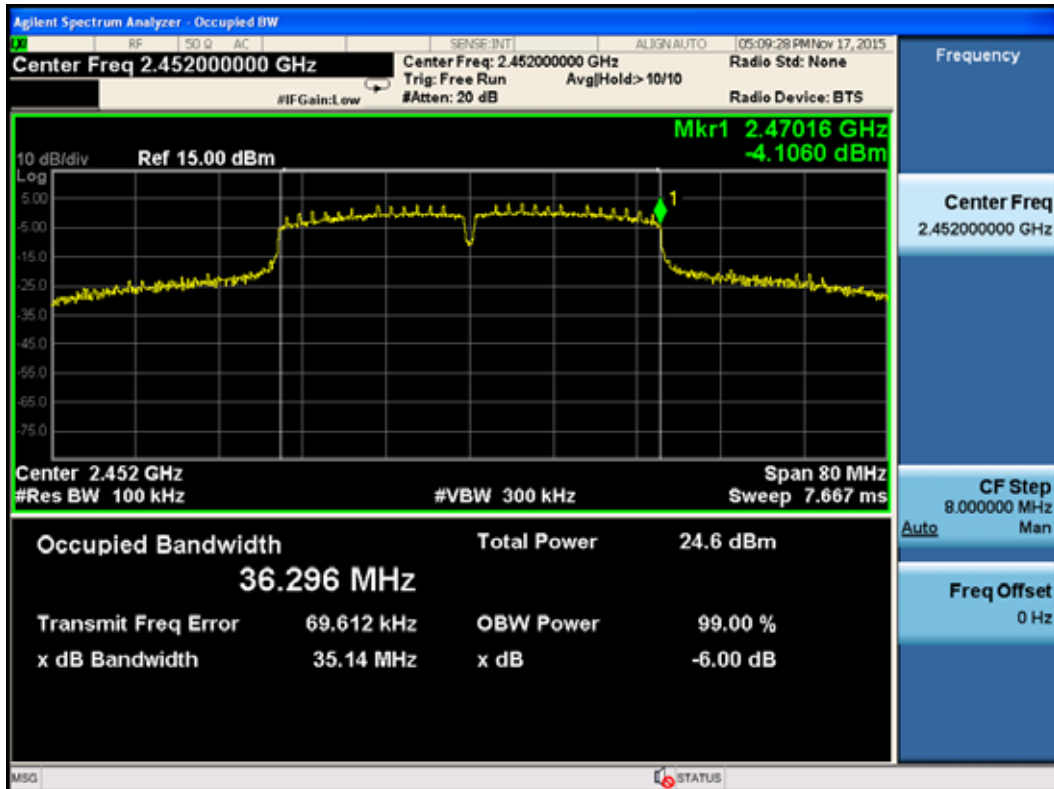
### Channel 03 (2422MHz)



### Channel 06 (2437MHz)



### Channel 09 (2452MHz)



## 8. Power Output

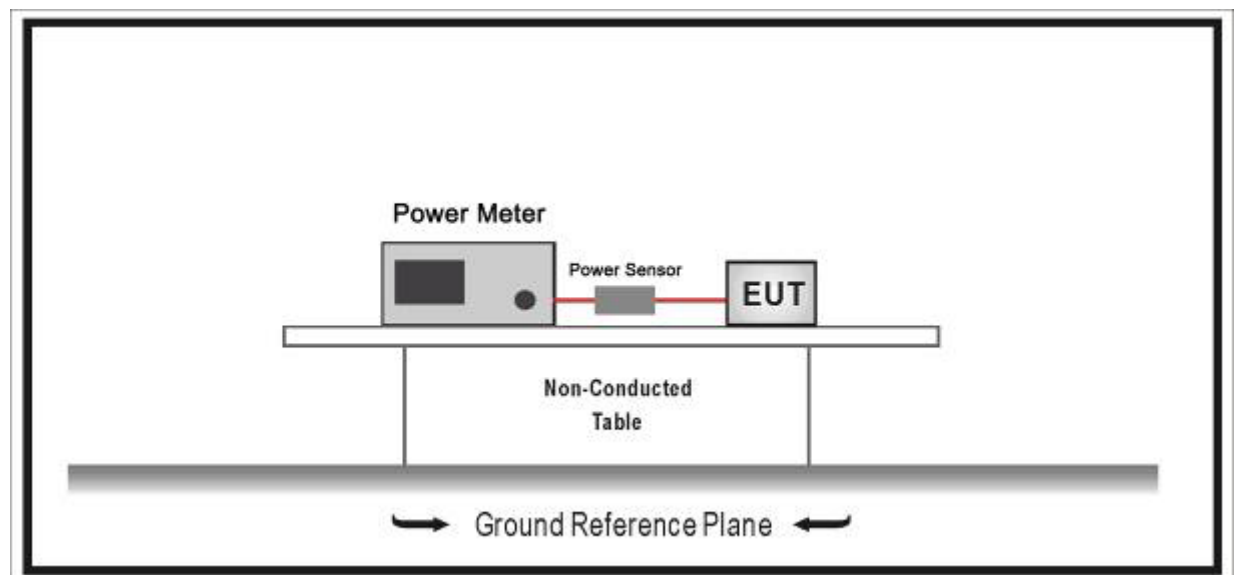
### 8.1. Test Equipment

Power Output / TR-8

| Instrument                 | Manufacturer | Type No. | Serial No. | Cal. Due Date |
|----------------------------|--------------|----------|------------|---------------|
| Wideband Peak Power Meter  | Anritsu      | ML2495A  | 0905006    | 2016.11.10    |
| Power Sensor               | Anritsu      | MA2411B  | 0846014    | 2016.11.10    |
| Temperature/Humidity Meter | zhicheng     | ZC1-2    | TR8-TH     | 2016.04.09    |

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

### 8.2. Test Setup



### 8.3. Limit

For FCC

The maximum peak power shall be less 1 Watt (30dBm).

Note: the conducted output power limit specified above is based on the use the antennas with directional gains that do not exceed 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values above, as appropriate, by the amount in dB that the directional gain of antenna exceeds 6 dBi.

## 8.4. Test Procedure

According to FCC ANSI C63.4: 2014 & ANSI C63.10: 2013& FCC 47CFR 15.247& KDB 558074 D01v03r03

1. Power meter and sensor's minimum video bandwidth is 50MHz, larger than 802.11n(40MHz) bandwidth;
2. Fast responding diode sensors respond immediately to changes in power level to reduce total test time.
3. Use average detector to test.

## 8.5. Uncertainty

The measurement uncertainty is defined as  $\pm 1.27$  dB

## 8.6. Test Result

|           |   |                             |
|-----------|---|-----------------------------|
| Product   | : | Wi-Fi Smart Plug            |
| Test Item | : | Power Output                |
| Test Site | : | TR8                         |
| Test Mode | : | Mode 1: Transmit by 802.11b |

| Channel No. | Frequency (MHz) | Measurement Power Output (Average) (dBm) | Limit (dBm) | Result |
|-------------|-----------------|------------------------------------------|-------------|--------|
| 1           | 2412            | 10.39                                    | 30.00       | Pass   |
| 6           | 2437            | 13.28                                    | 30.00       | Pass   |
| 11          | 2462            | 13.19                                    | 30.00       | Pass   |

|           |   |                             |
|-----------|---|-----------------------------|
| Product   | : | Wi-Fi Smart Plug            |
| Test Item | : | Power Output                |
| Test Site | : | TR8                         |
| Test Mode | : | Mode 2: Transmit by 802.11g |

| Channel No. | Frequency (MHz) | Measurement Power Output (Average) (dBm) | Limit (dBm) | Result |
|-------------|-----------------|------------------------------------------|-------------|--------|
| 1           | 2412            | 11.81                                    | 30.00       | Pass   |
| 6           | 2437            | 17.43                                    | 30.00       | Pass   |
| 11          | 2462            | 13.31                                    | 30.00       | Pass   |

|           |   |                                    |
|-----------|---|------------------------------------|
| Product   | : | Wi-Fi Smart Plug                   |
| Test Item | : | Power Output                       |
| Test Site | : | TR8                                |
| Test Mode | : | Mode 3: Transmit by 802.11n(20MHz) |

| Channel No. | Frequency (MHz) | Measurement Power Output (Average) (dBm) | Limit (dBm) | Result |
|-------------|-----------------|------------------------------------------|-------------|--------|
| 1           | 2412            | 10.71                                    | 30.00       | Pass   |
| 6           | 2437            | 19.15                                    | 30.00       | Pass   |
| 11          | 2462            | 12.77                                    | 30.00       | Pass   |

|           |   |                                    |
|-----------|---|------------------------------------|
| Product   | : | Wi-Fi Smart Plug                   |
| Test Item | : | Power Output                       |
| Test Site | : | TR8                                |
| Test Mode | : | Mode 4: Transmit by 802.11n(40MHz) |

| Channel No. | Frequency (MHz) | Measurement Power Output (Average) (dBm) | Limit (dBm) | Result |
|-------------|-----------------|------------------------------------------|-------------|--------|
| 3           | 2422            | 12.73                                    | 30.00       | Pass   |
| 6           | 2437            | 15.51                                    | 30.00       | Pass   |
| 9           | 2452            | 11.62                                    | 30.00       | Pass   |

## 9. Power Spectral Density

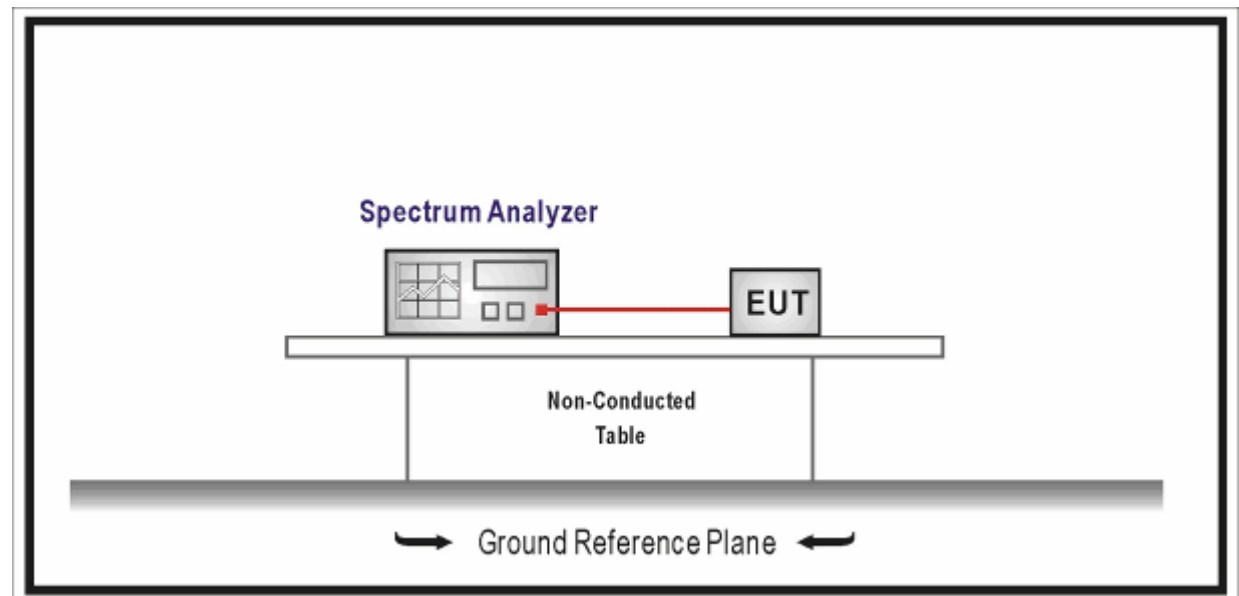
### 9.1. Test Equipment

Power Spectral Density / TR-8

| Instrument                 | Manufacturer | Type No. | Serial No. | Cal. Due Date |
|----------------------------|--------------|----------|------------|---------------|
| Spectrum Analyzer          | Agilent      | E4446A   | MY45300103 | 2016.01.07    |
| Temperature/Humidity Meter | zhicheng     | ZC1-2    | TR8-TH     | 2016.04.09    |

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

### 9.2. Test Setup



### 9.3. Limit

For FCC

For digitally modulated systems, the power spectral density conducted from the intentional radiated to the Antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

## 9.4. Test Procedure

According to ANSI C63.4: 2014 & ANSI C63.10: 2013& FCC 47CFR 15.247& KDB 558074 D01v03r03

- a) Set analyzer center frequency to DTS channel center frequency.
- b) Set the span to 1.5 times the DTS bandwidth.
- c) Set the RBW to:  $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$ . (Actually we use 3kHz RBW)
- d) Set the VBW  $\geq 3 \times \text{RBW}$ .
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level within the band.
- j) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

## 9.5. Uncertainty

The measurement uncertainty is defined as  $\pm 1.27 \text{ dB}$

## 9.6. Test Result

|           |   |                             |
|-----------|---|-----------------------------|
| Product   | : | Wi-Fi Smart Plug            |
| Test Item | : | Power Spectral Density      |
| Test Site | : | TR-8                        |
| Test Mode | : | Mode 1: Transmit by 802.11b |

| Channel No. | Frequency (MHz) | Measurement PPSD (dBm) | Limit (dBm) | Result |
|-------------|-----------------|------------------------|-------------|--------|
| 1           | 2412            | -4.041                 | 8           | Pass   |
| 6           | 2437            | -1.649                 | 8           | Pass   |
| 11          | 2462            | -2.705                 | 8           | Pass   |

Channel 01 (2412MHz)



### Channel 06 (2437MHz)



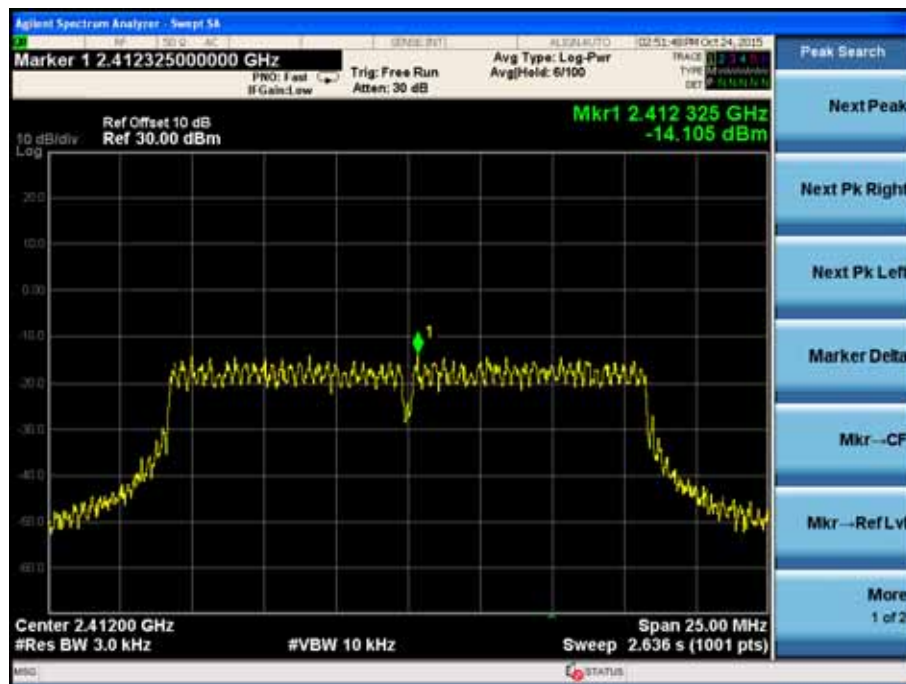
### Channel 11 (2462MHz)



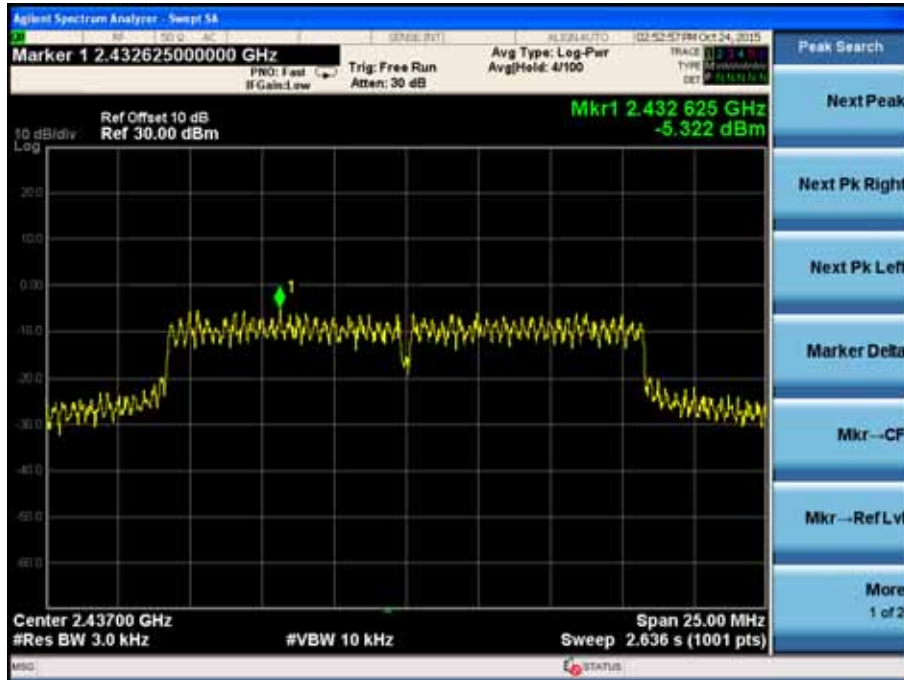
|           |   |                             |
|-----------|---|-----------------------------|
| Product   | : | Wi-Fi Smart Plug            |
| Test Item | : | Power Spectral Density      |
| Test Site | : | TR-8                        |
| Test Mode | : | Mode 2: Transmit by 802.11g |

| Channel No. | Frequency (MHz) | Measurement PPSD (dBm) | Limit (dBm) | Result |
|-------------|-----------------|------------------------|-------------|--------|
| 01          | 2412            | -14.105                | 8           | Pass   |
| 06          | 2437            | -5.322                 | 8           | Pass   |
| 11          | 2462            | -13.903                | 8           | Pass   |

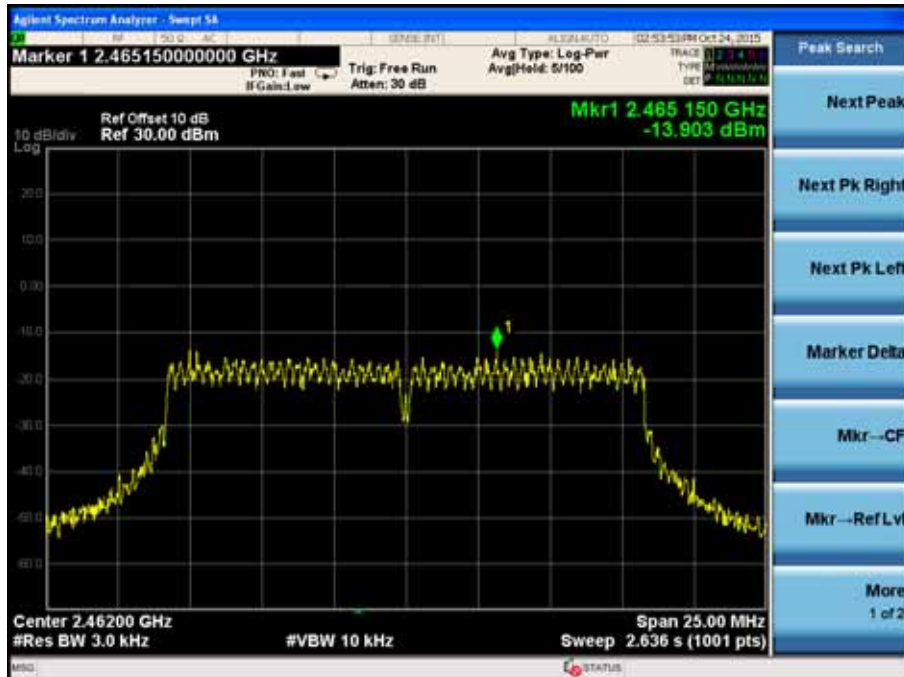
### Channel 01 (2412MHz)



### Channel 06 (2437MHz)



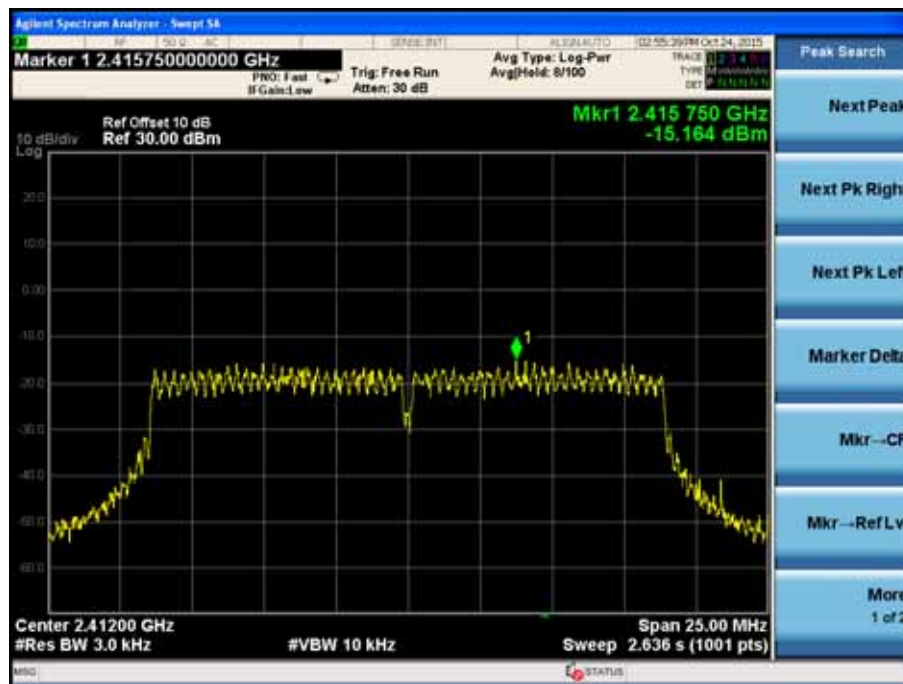
### Channel 11 (2462MHz)



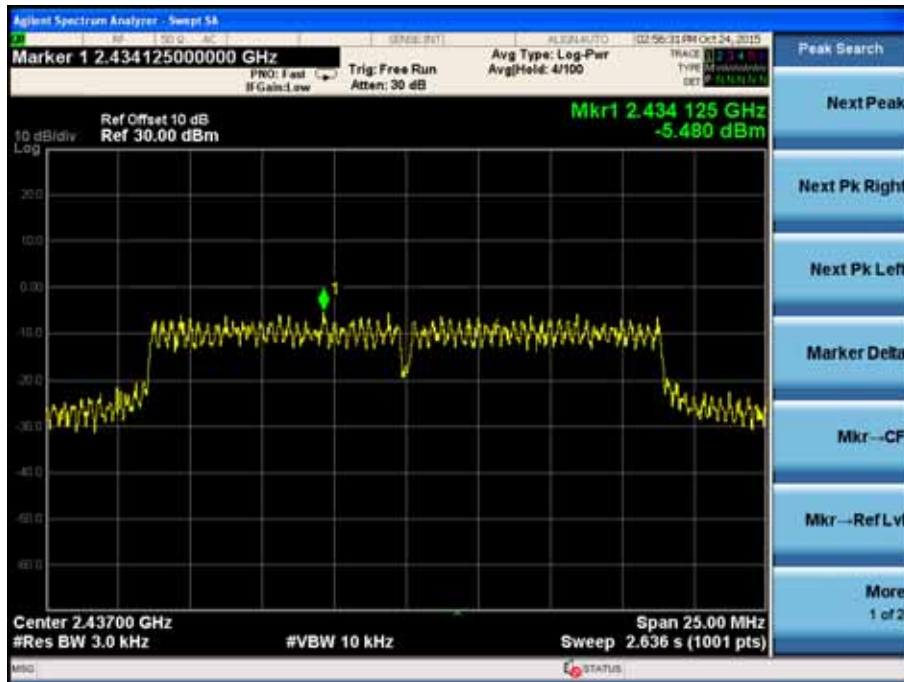
|           |   |                                    |
|-----------|---|------------------------------------|
| Product   | : | Wi-Fi Smart Plug                   |
| Test Item | : | Power Spectral Density             |
| Test Site | : | TR-8                               |
| Test Mode | : | Mode 3: Transmit by 802.11n(20MHz) |

| Channel No. | Frequency (MHz) | Measurement PPSD (dBm) | Limit (dBm) | Result |
|-------------|-----------------|------------------------|-------------|--------|
| 01          | 2412            | -15.164                | 8           | Pass   |
| 06          | 2437            | -5.480                 | 8           | Pass   |
| 11          | 2462            | -12.034                | 8           | Pass   |

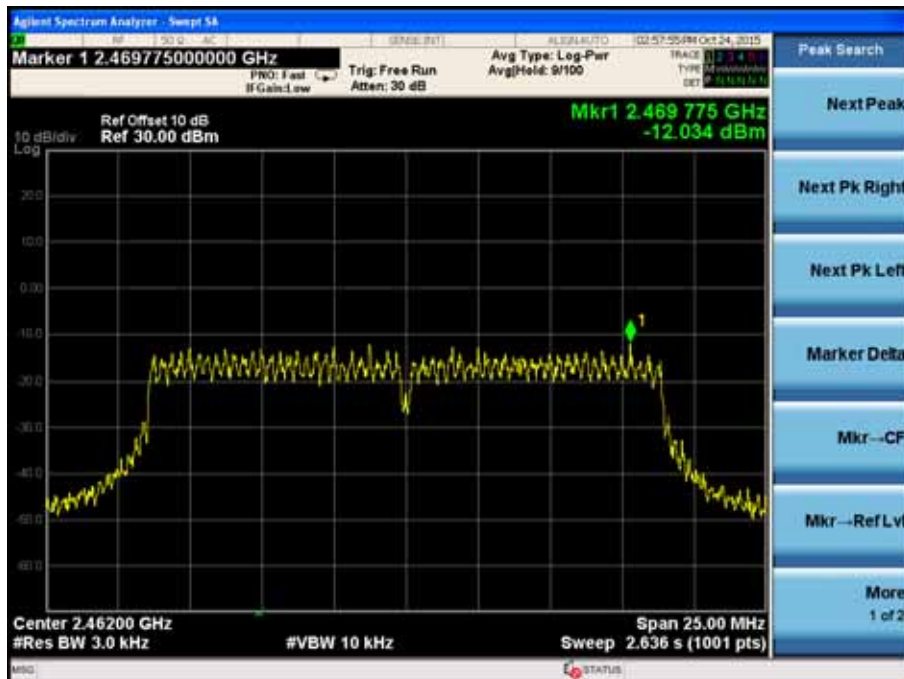
### Channel 01 (2412MHz)



### Channel 06 (2437MHz)



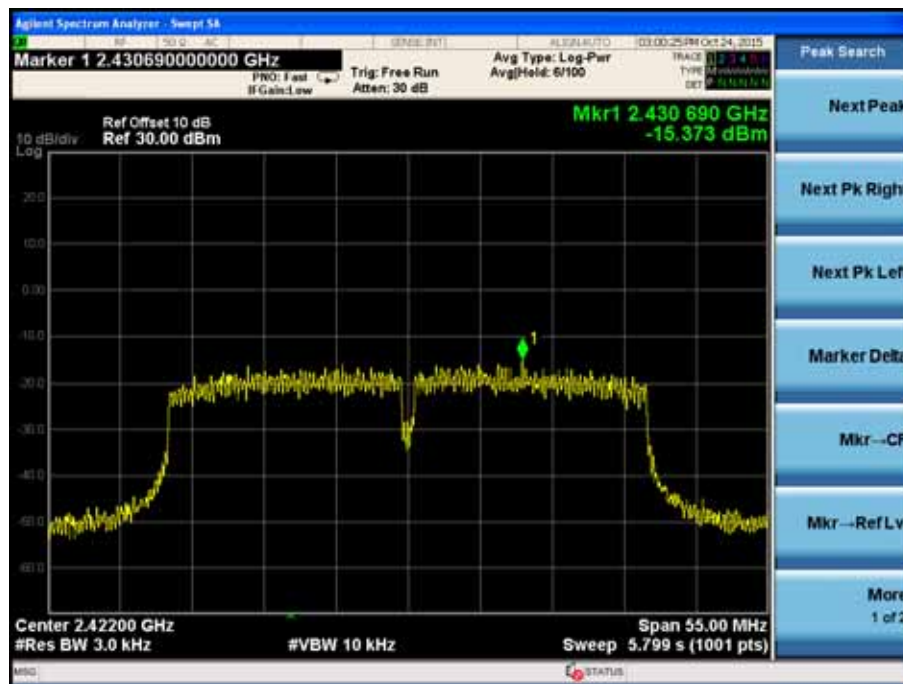
### Channel 11 (2462MHz)



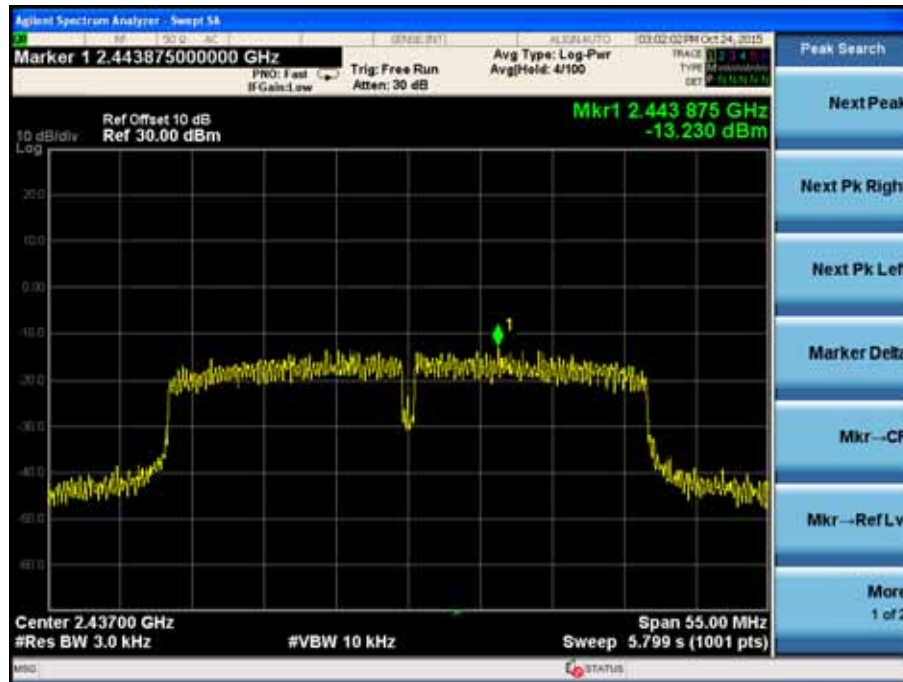
|           |   |                                    |
|-----------|---|------------------------------------|
| Product   | : | Wi-Fi Smart Plug                   |
| Test Item | : | Power Spectral Density             |
| Test Site | : | TR-8                               |
| Test Mode | : | Mode 4: Transmit by 802.11n(40MHz) |

| Channel No. | Frequency (MHz) | Measurement PPSD (dBm) | Limit (dBm) | Result |
|-------------|-----------------|------------------------|-------------|--------|
| 03          | 2422            | -15.373                | 8           | Pass   |
| 06          | 2437            | -13.230                | 8           | Pass   |
| 09          | 2452            | -15.797                | 8           | Pass   |

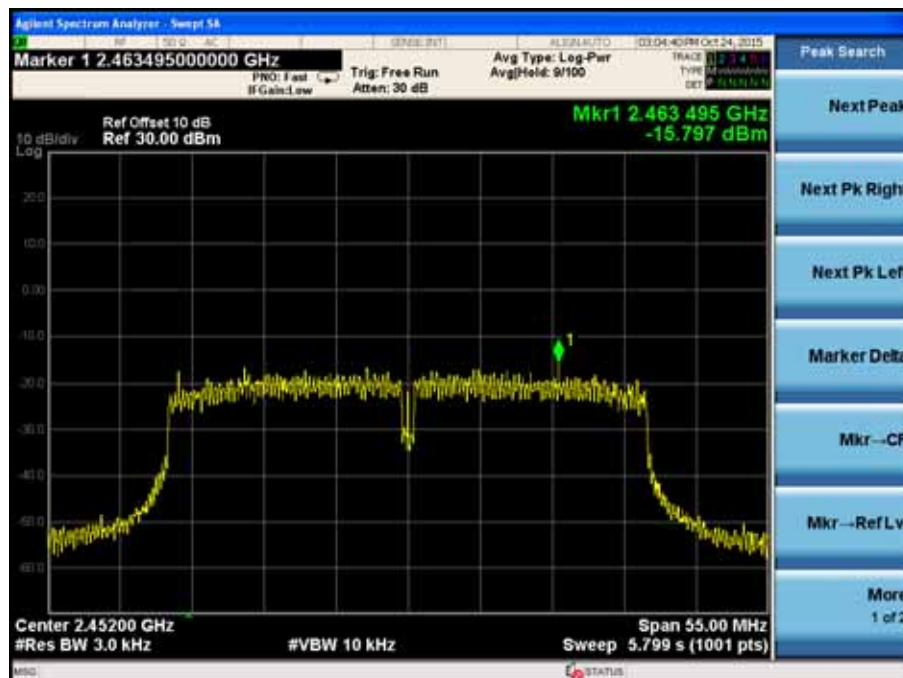
### Channel 03 (2422MHz)



### Channel 06 (2437MHz)



### Channel 09 (2452MHz)



The End