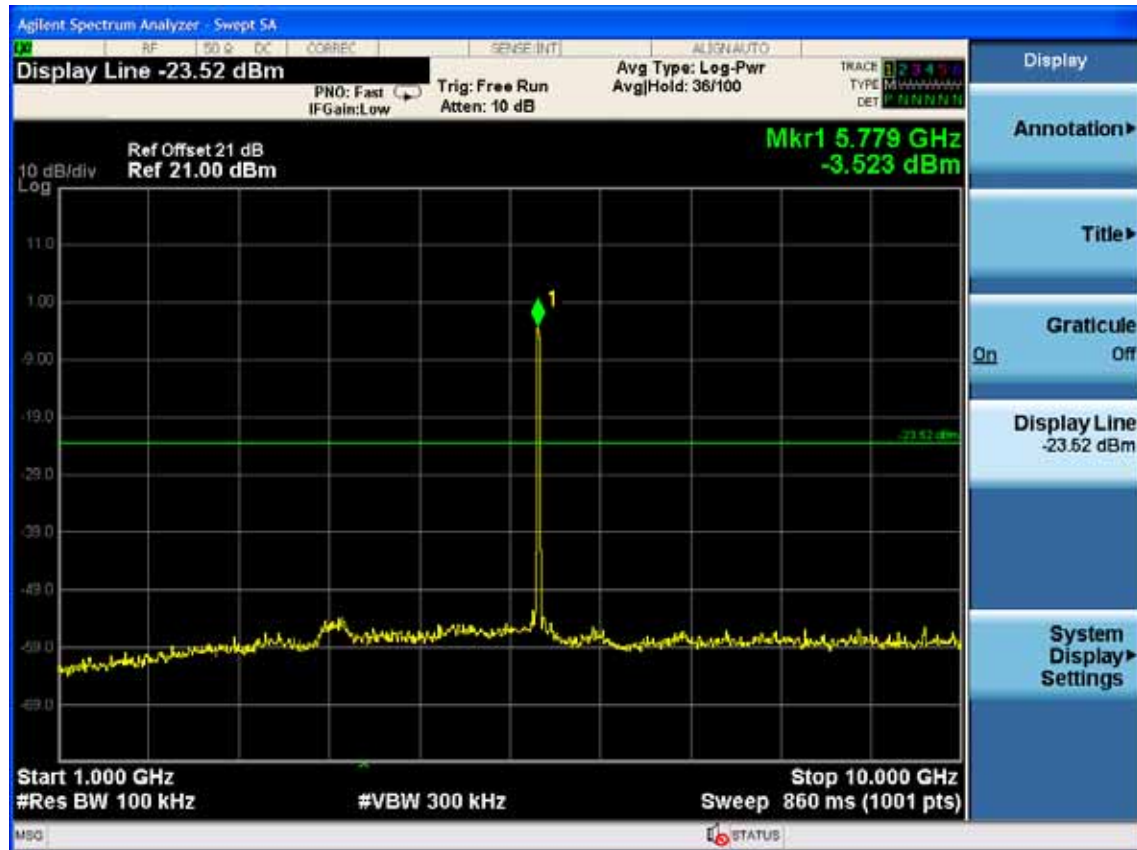
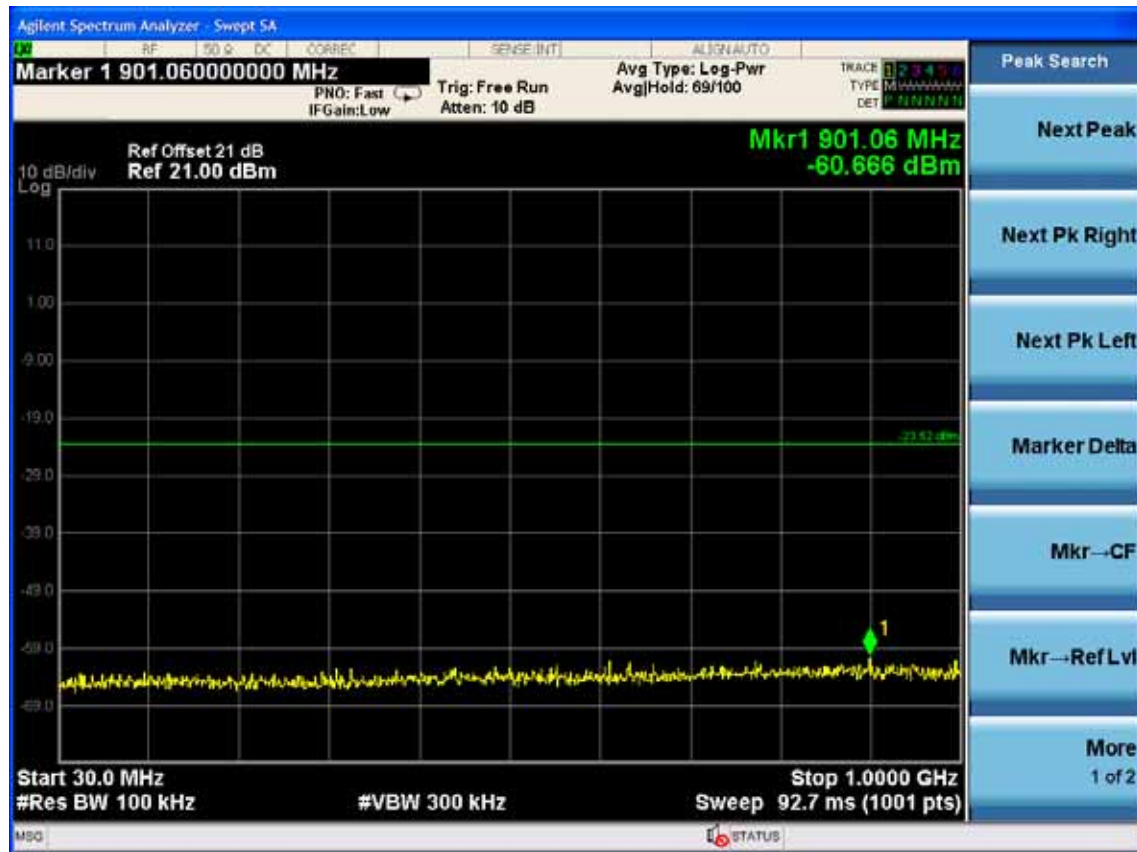
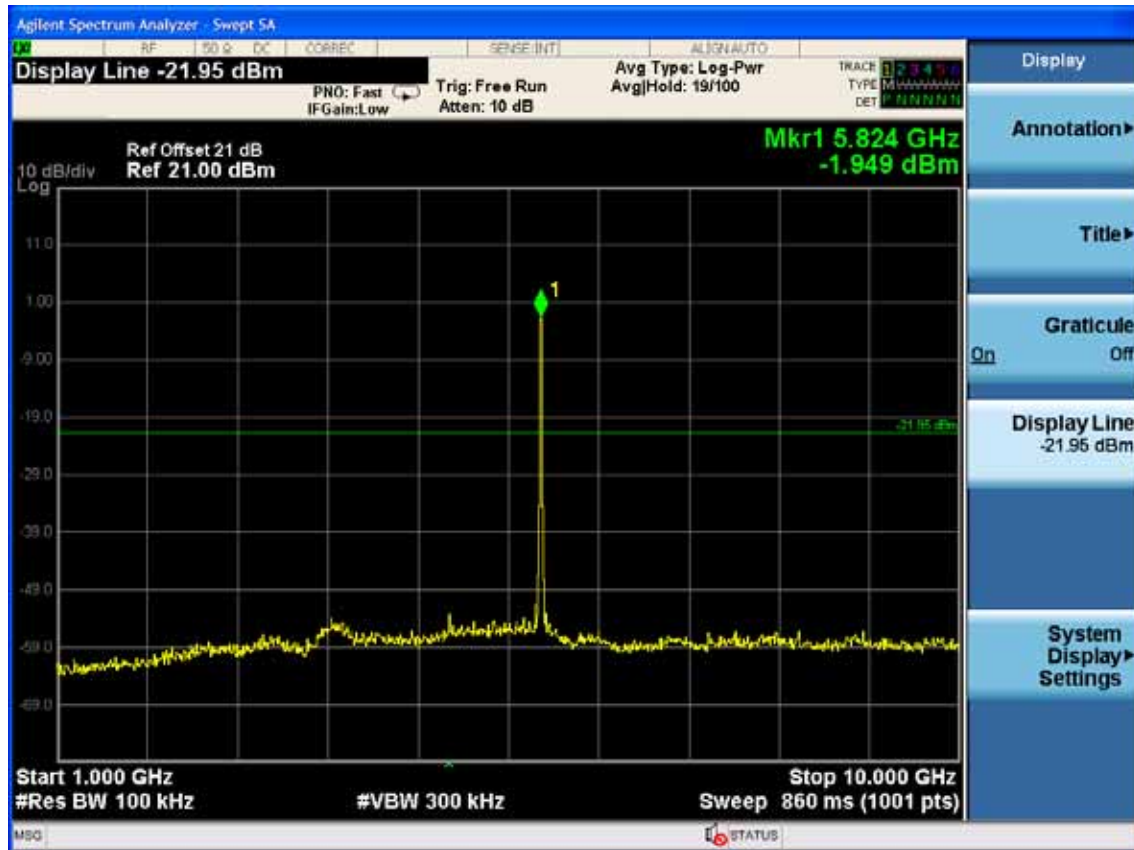


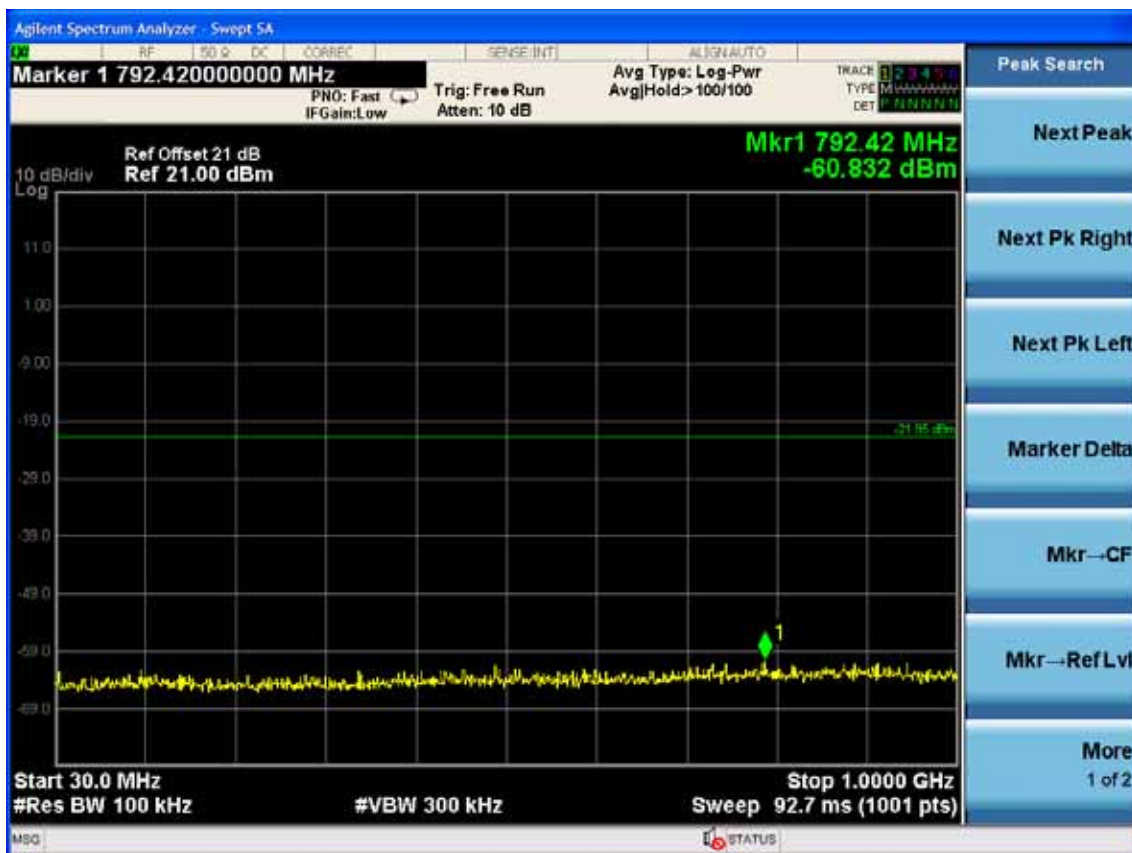
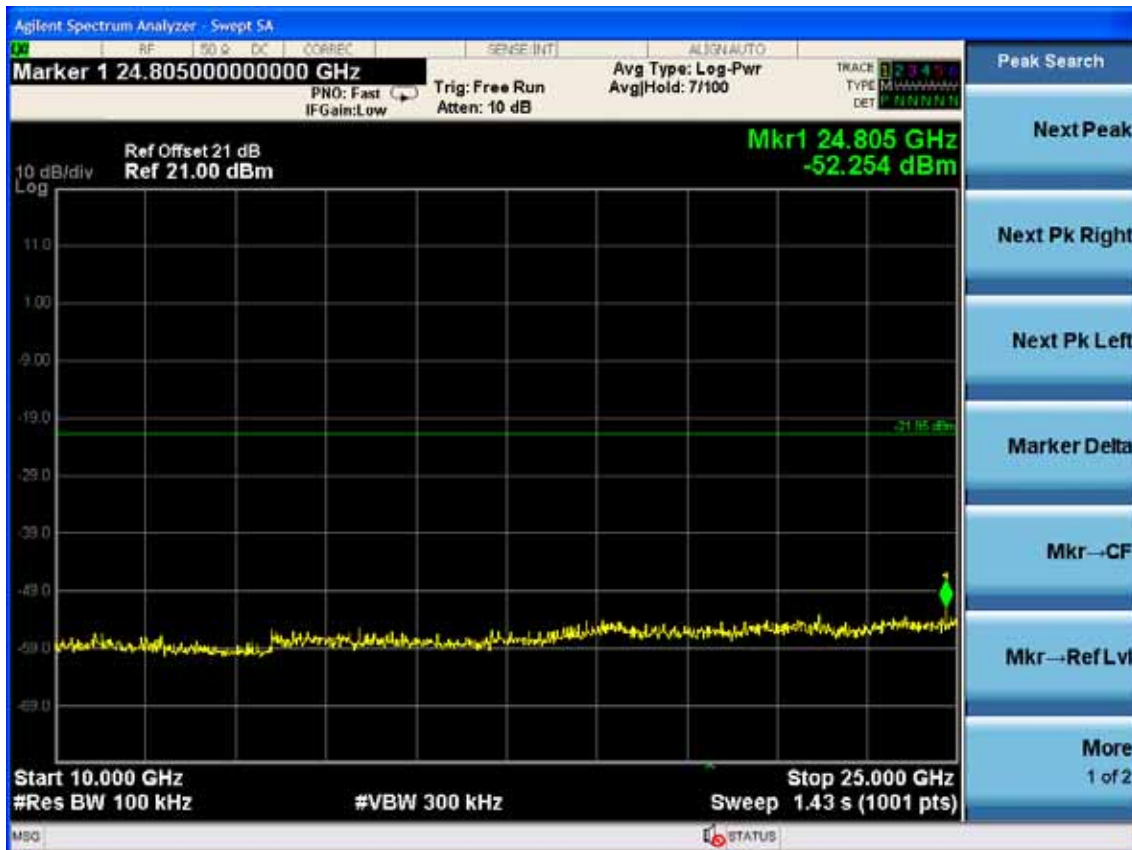
Test CH157: 5785MHz

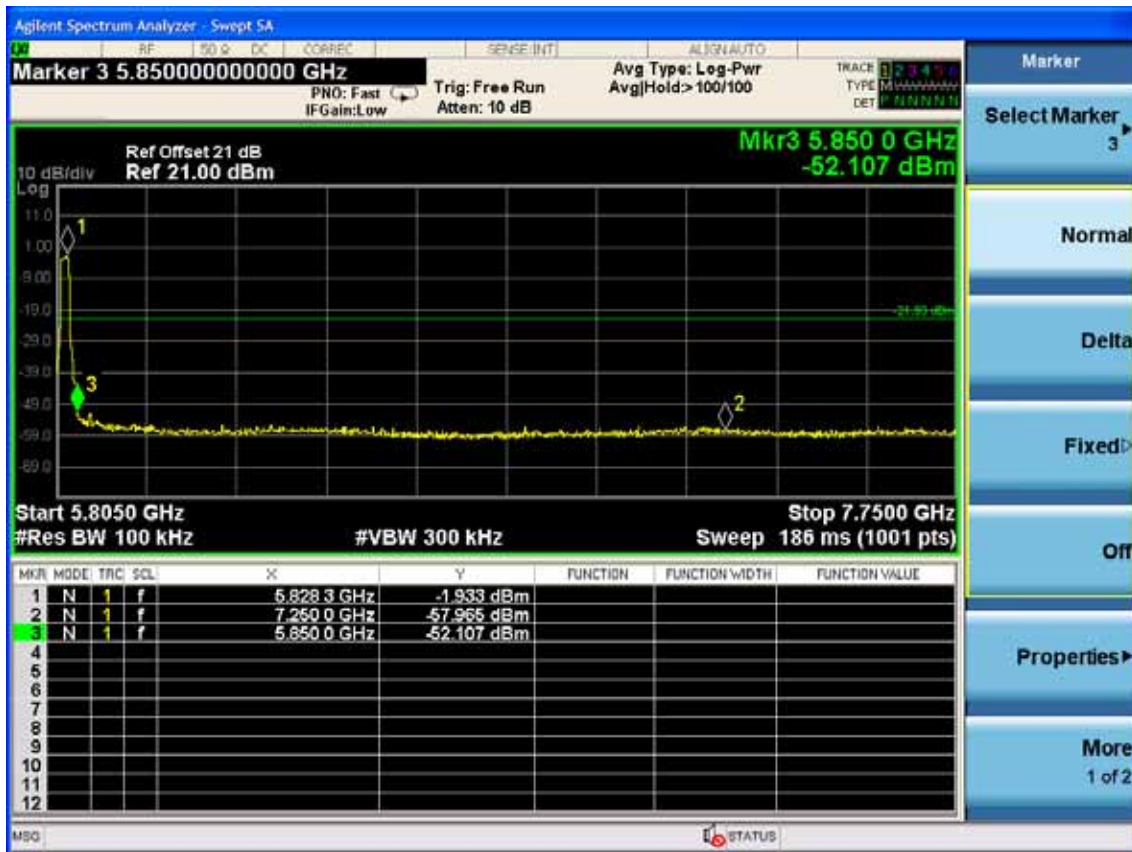




Test CH165: 5825MHz

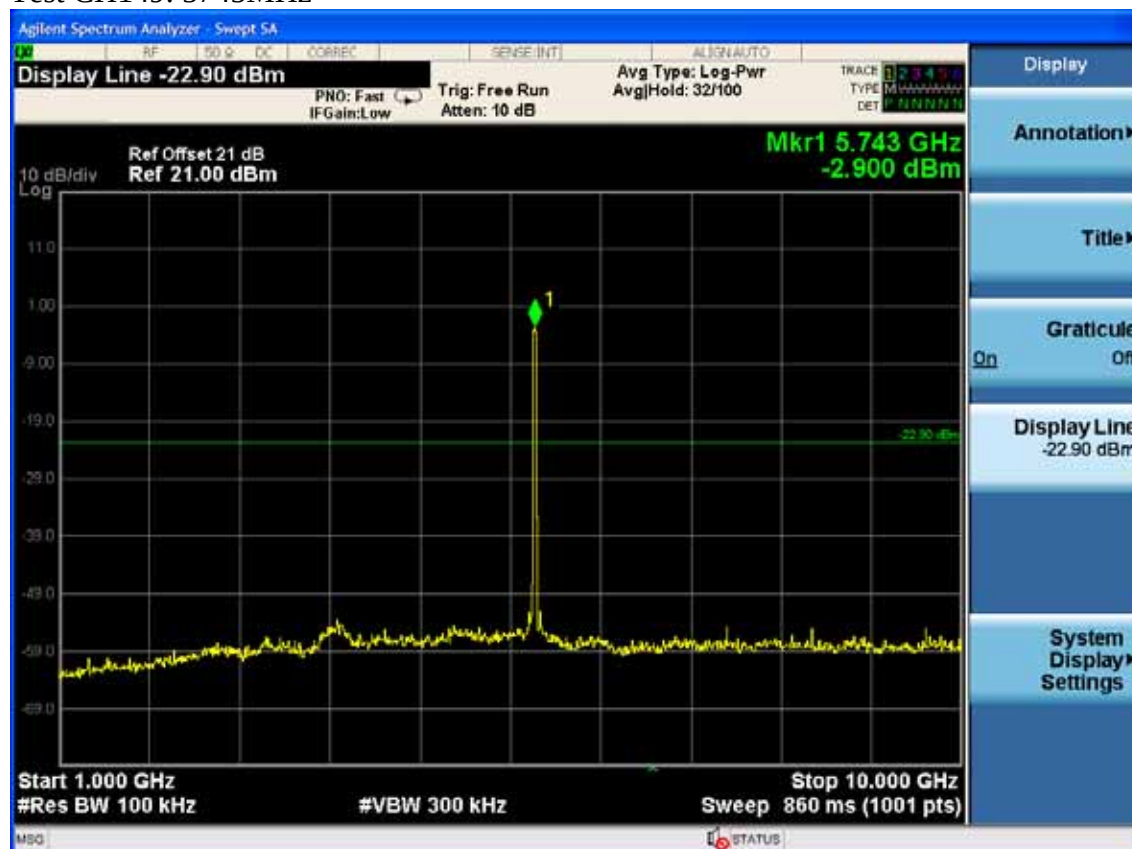




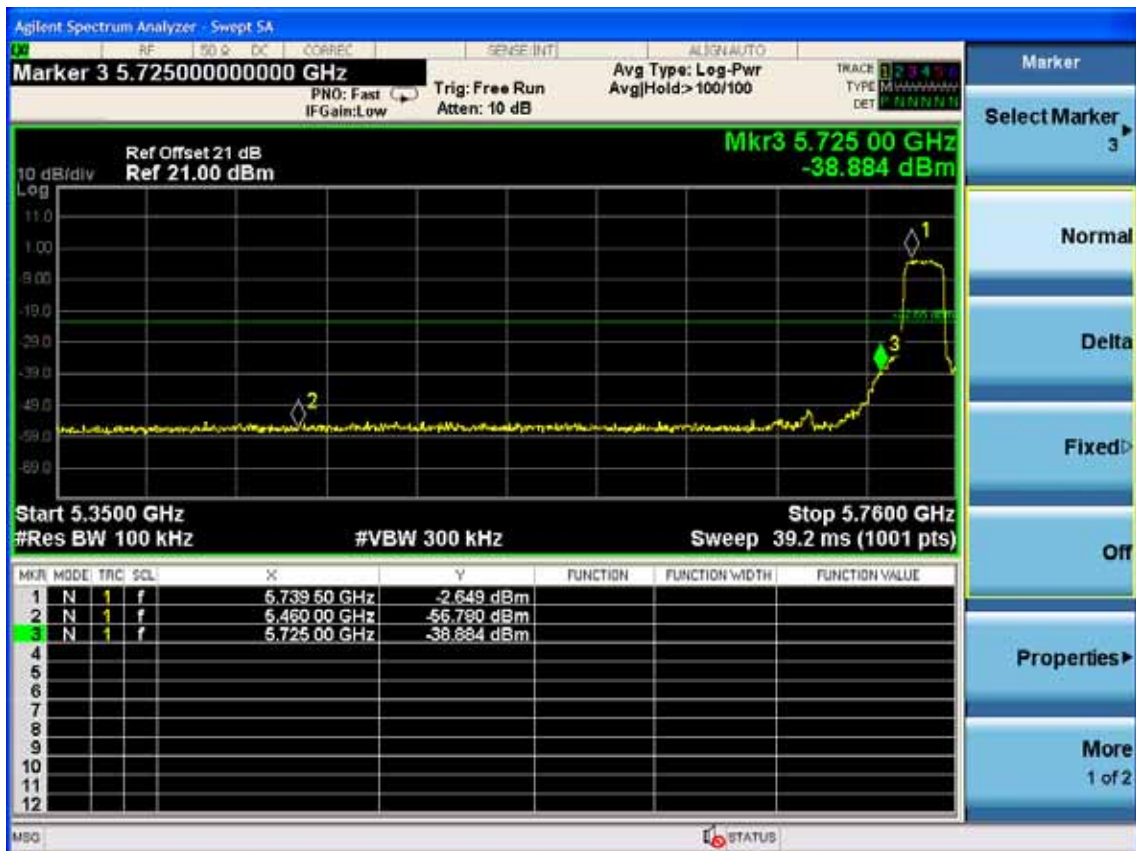
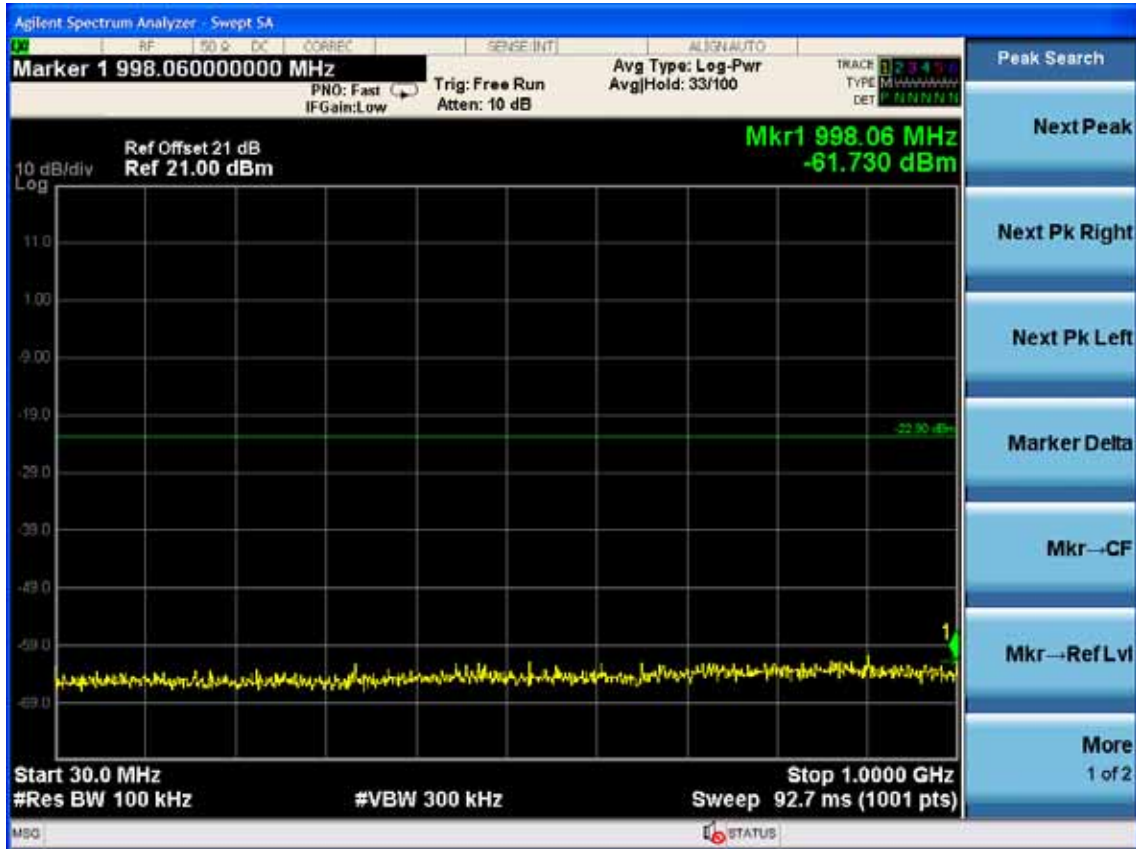


Test Mode: IEEE 802.11n HT20 TX

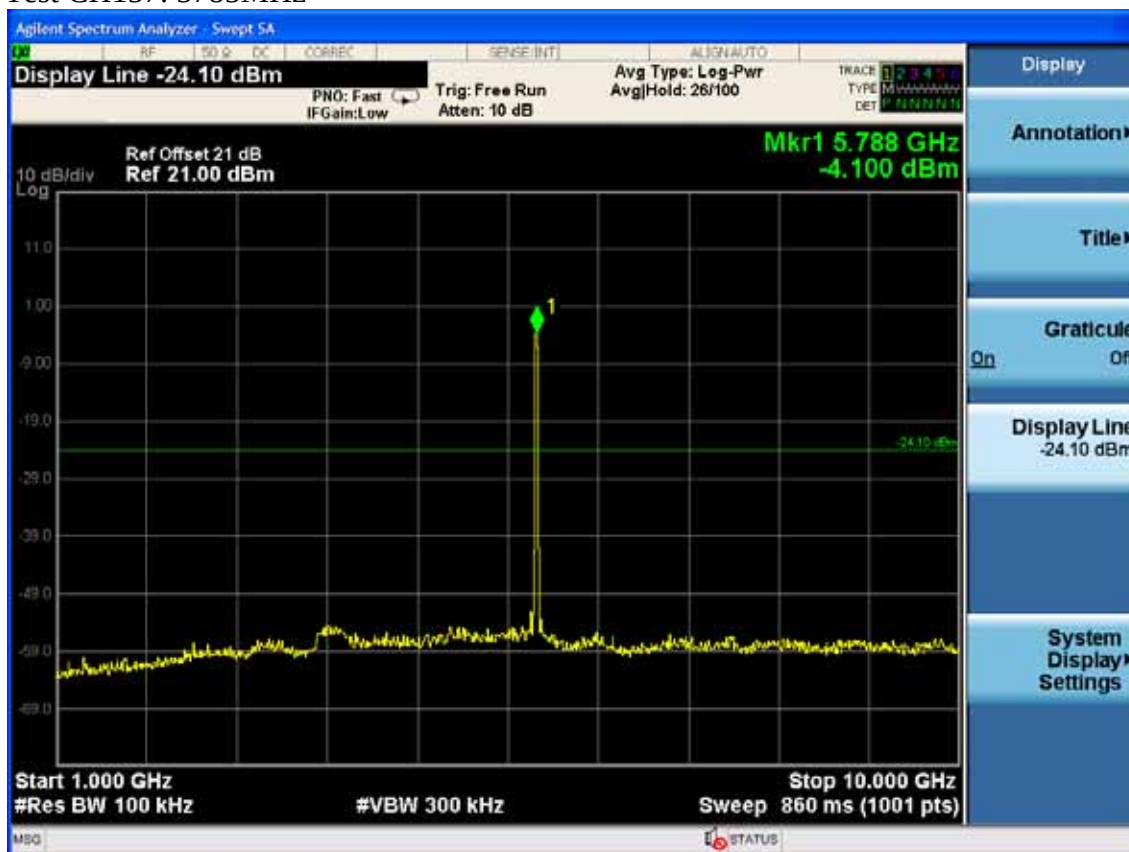
Test CH149: 5745MHz

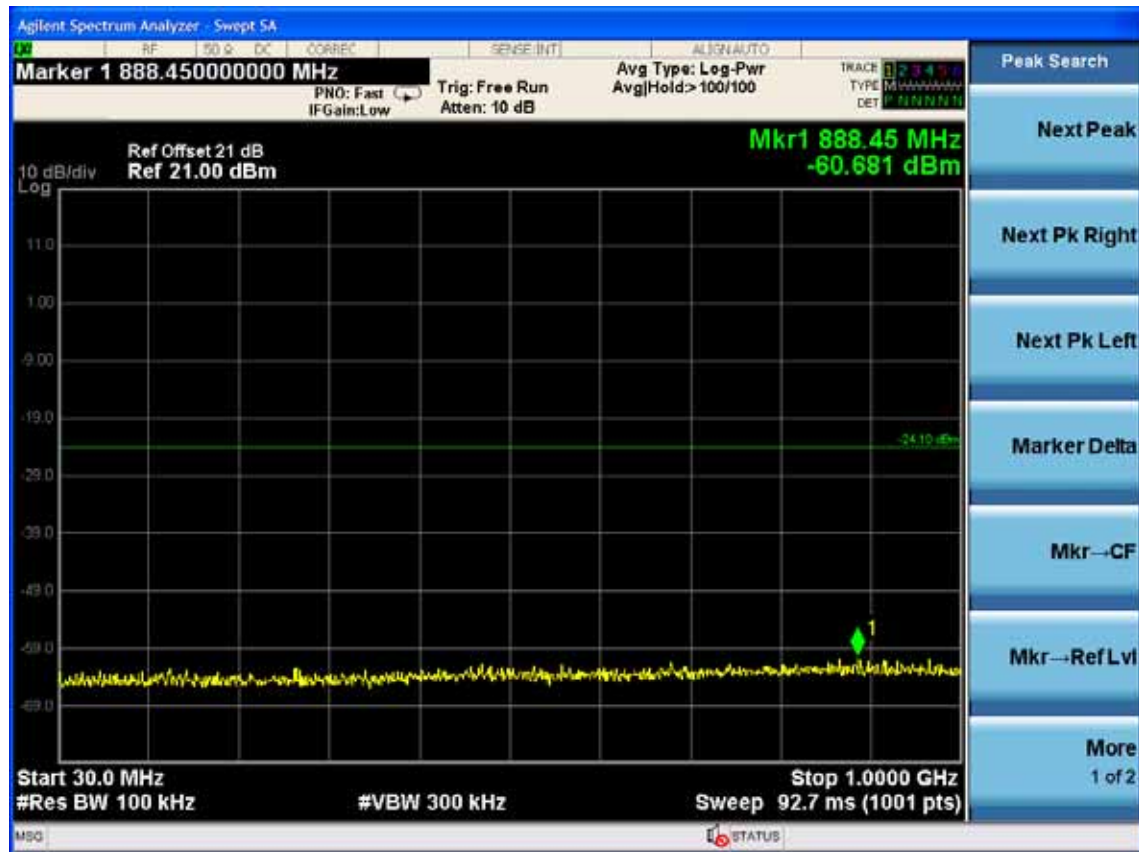




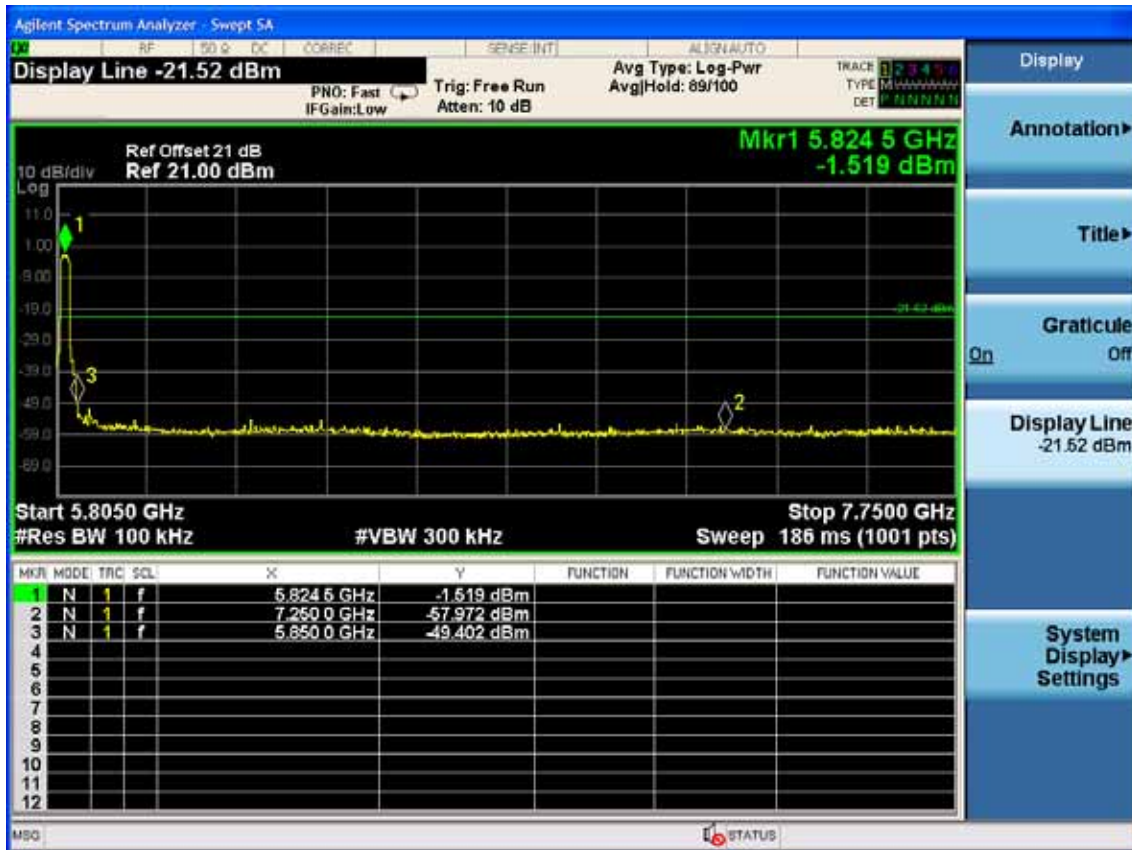


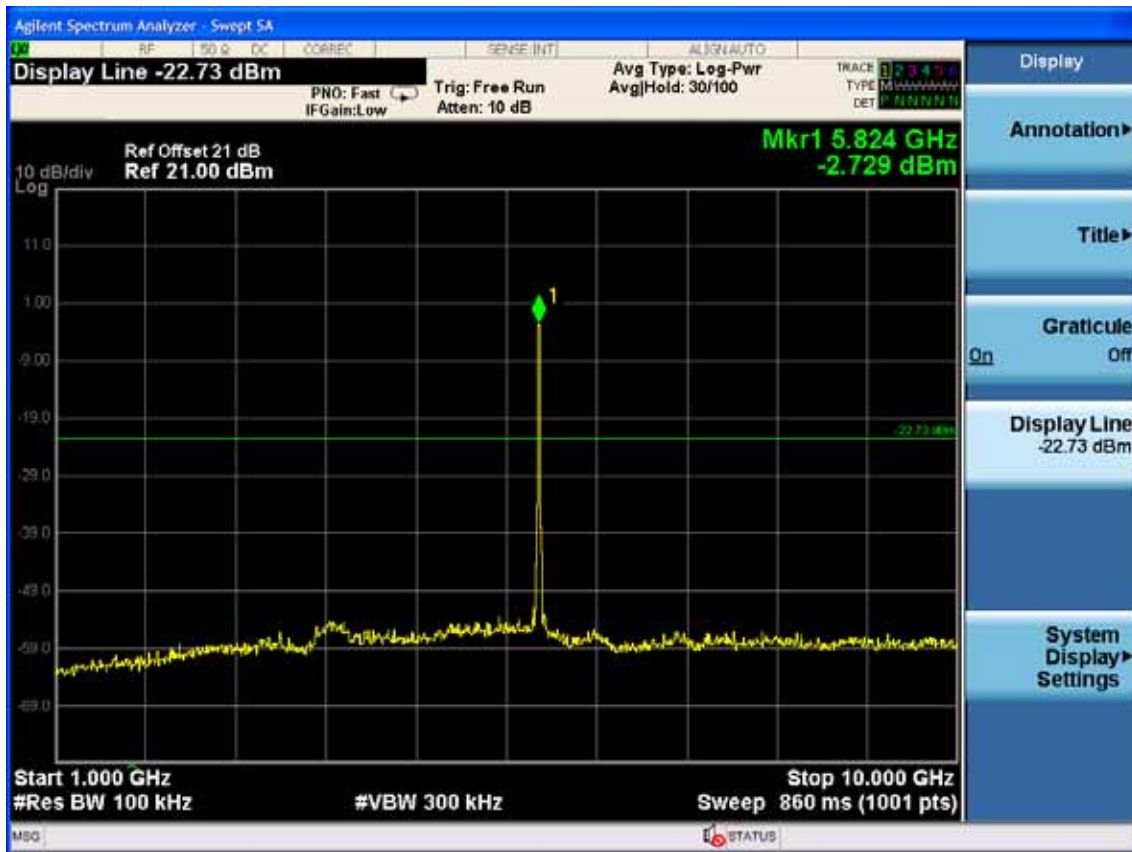
Test CH157: 5785MHz

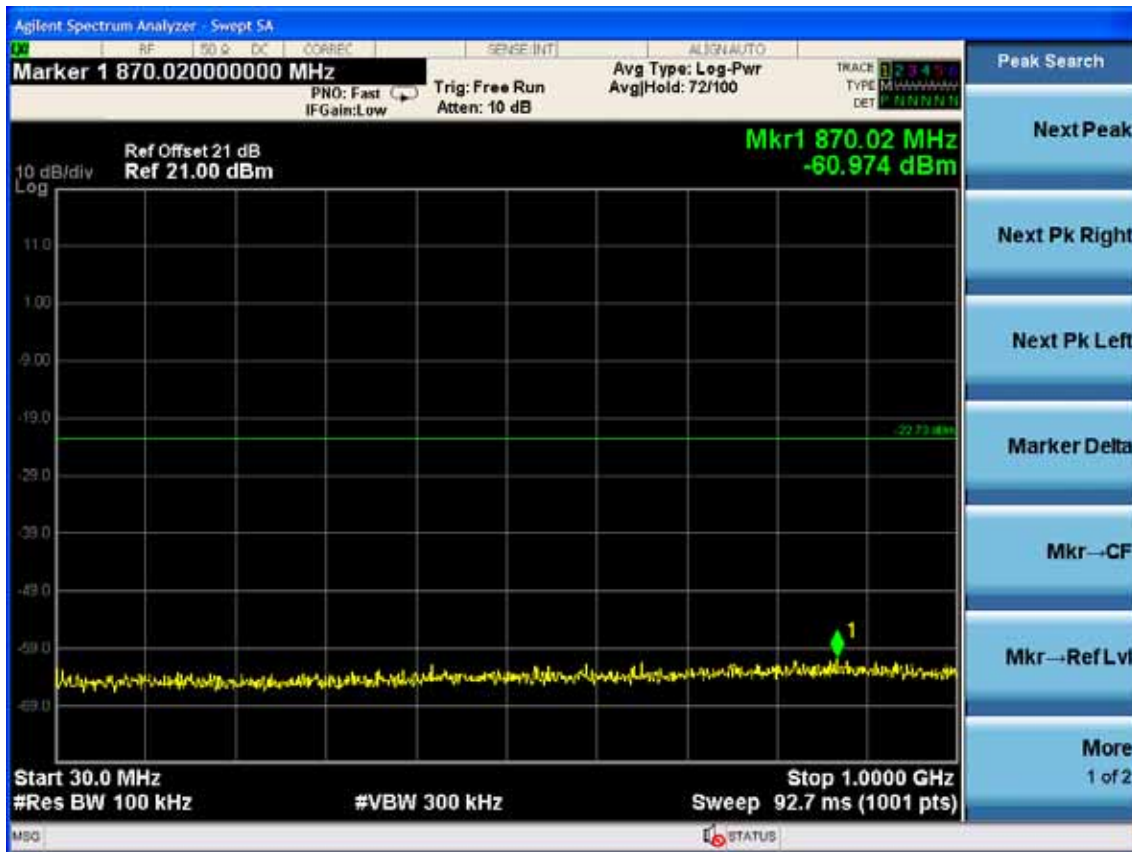




Test CH165: 5825MHz



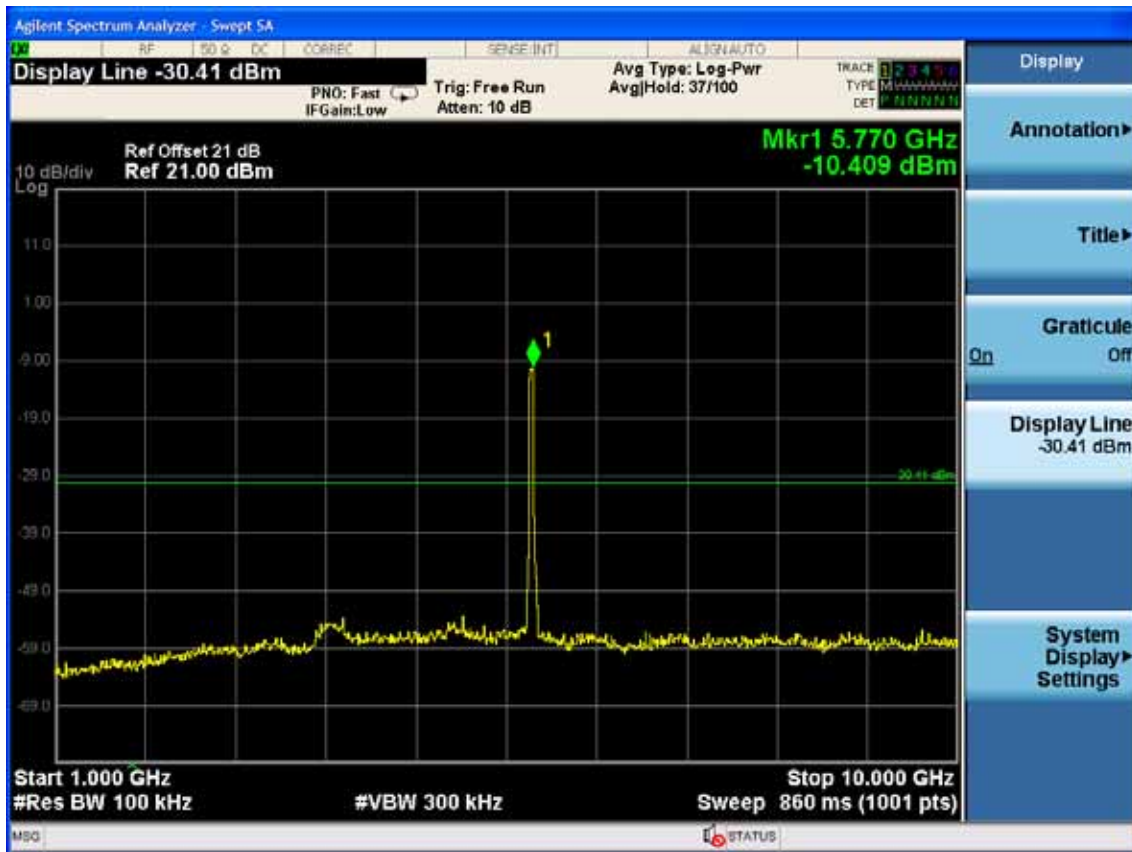


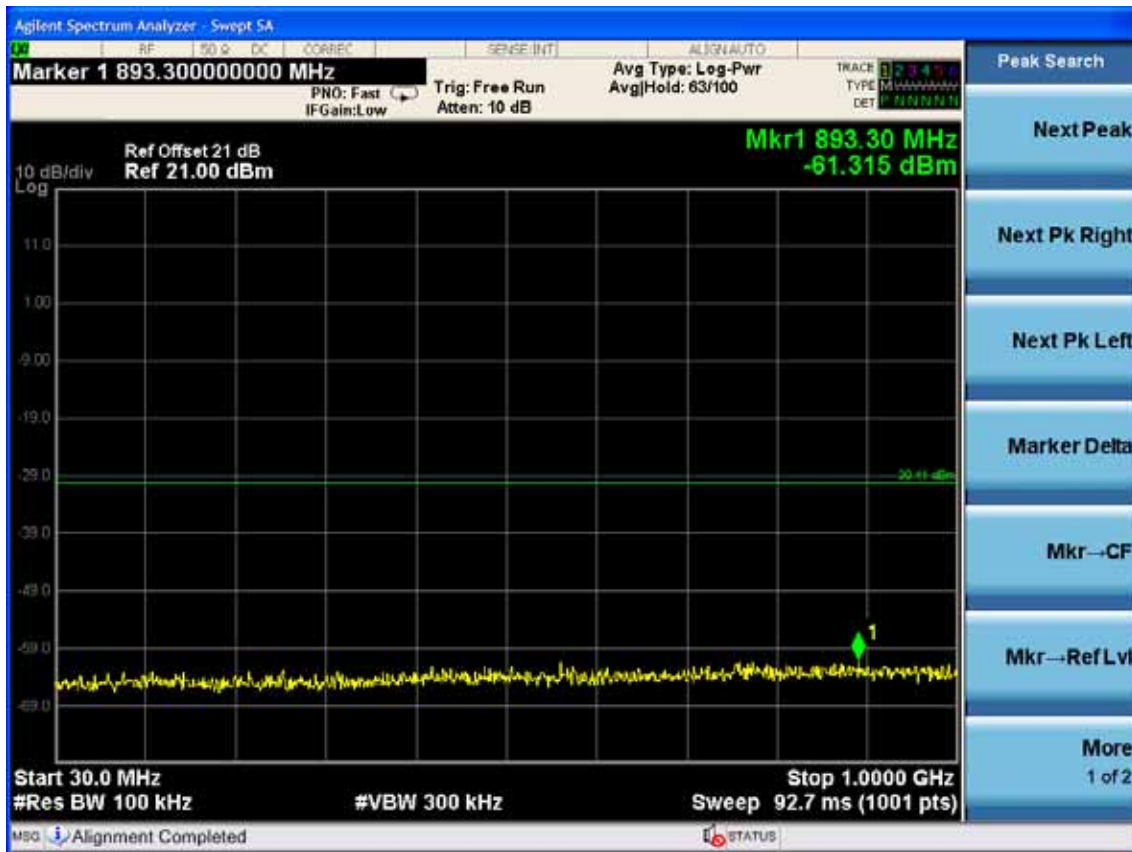


Test Mode: IEEE 802.11n HT40 TX

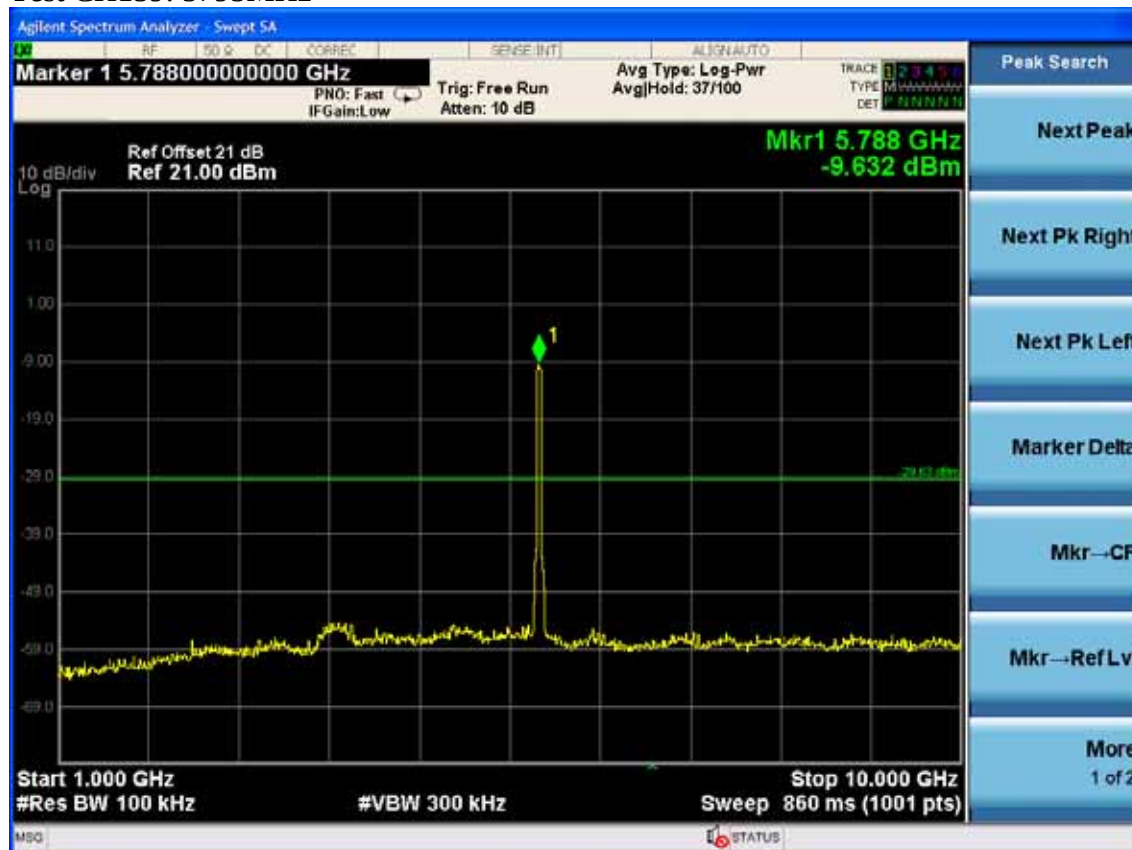
Test CH151: 5755MHz

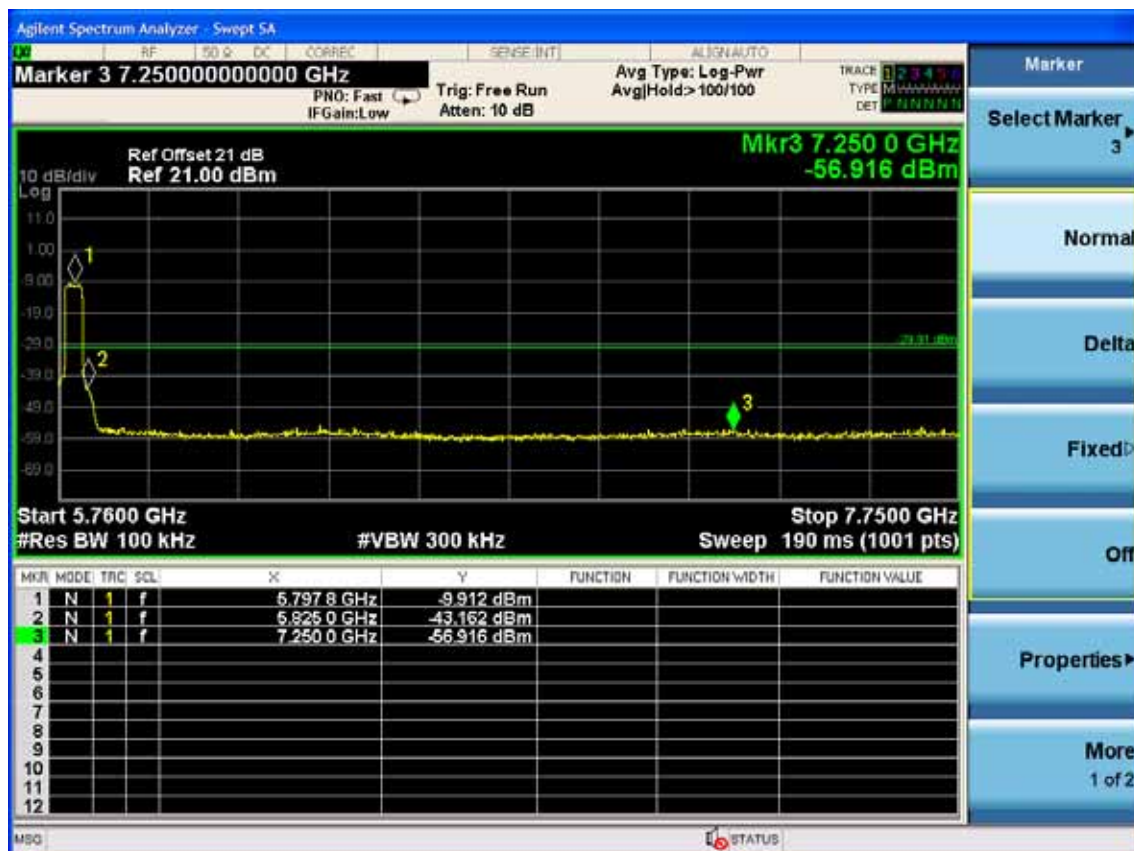


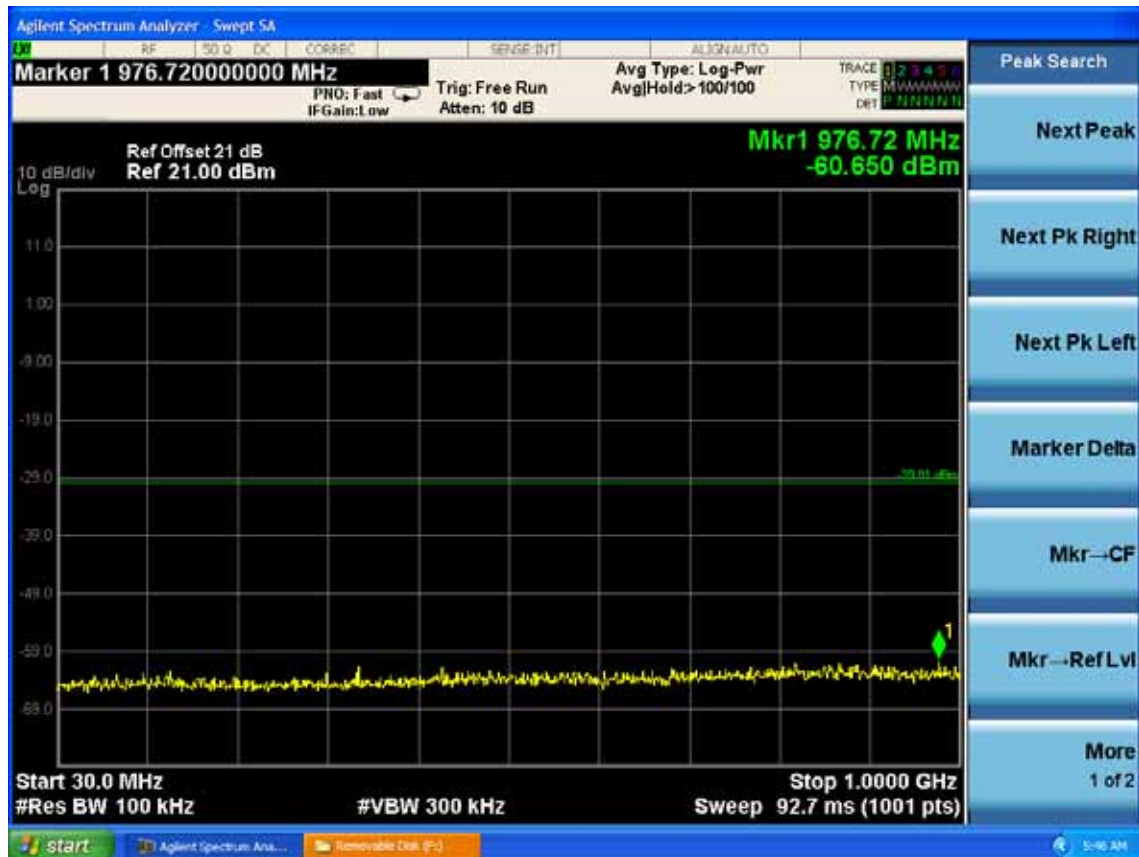




Test CH159: 5795MHz







## 6. BAND EDGE COMPLIANCE TEST

### 6.1. Test Equipment

| Item | Equipment    | Manufacturer | Model No.   | Serial No. | Last Cal.  | Cal. Interval |
|------|--------------|--------------|-------------|------------|------------|---------------|
| 1.   | Spectrum     | Agilent      | E4446A      | US44300459 | May.08, 13 | 1 Year        |
| 2.   | Amp          | HP           | 8449B       | 3008A08495 | May.08, 13 | 1 Year        |
| 3.   | Horn Antenna | EMCO         | 3115        | 9510-4580  | Jun.05, 12 | 1 Year        |
| 4.   | Horn Antenna | EMCO         | 3115        | 9510-4580  | May.28, 13 | 1 Year        |
| 5.   | HF Cable     | Hubersuhne   | Sucoflex104 | -          | May.08, 13 | 1 Year        |

### 6.2. Limit

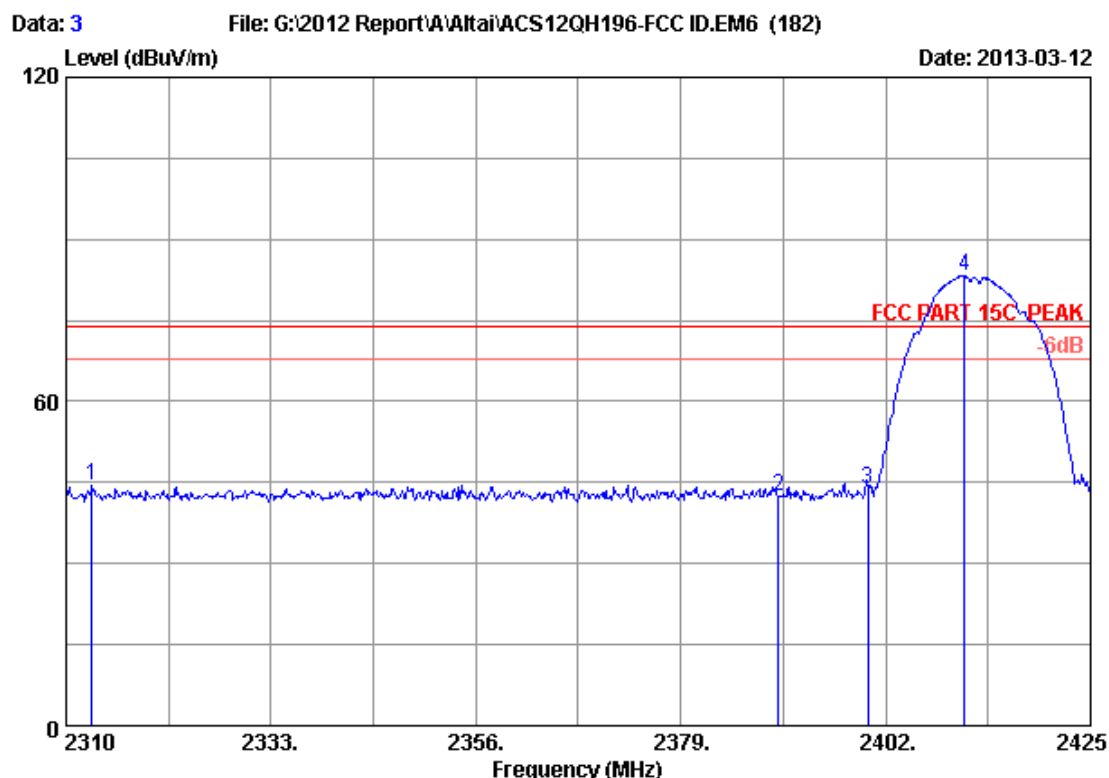
All the lower and upper band-edges emissions appearing within 5.35-5.46GHz and 7.25-7.75GHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 5725MHz to 5850MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

### 6.3. Test Produce

1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
  - (a) PEAK: RBW=1MHz; VBW=3MHz; Sweep=AUTO
  - (b) AVERAGE: RBW=1MHz; VBW=10Hz; Sweep=AUTO

### 6.4. Test Results

Pass (The testing data was attached in the next pages.)

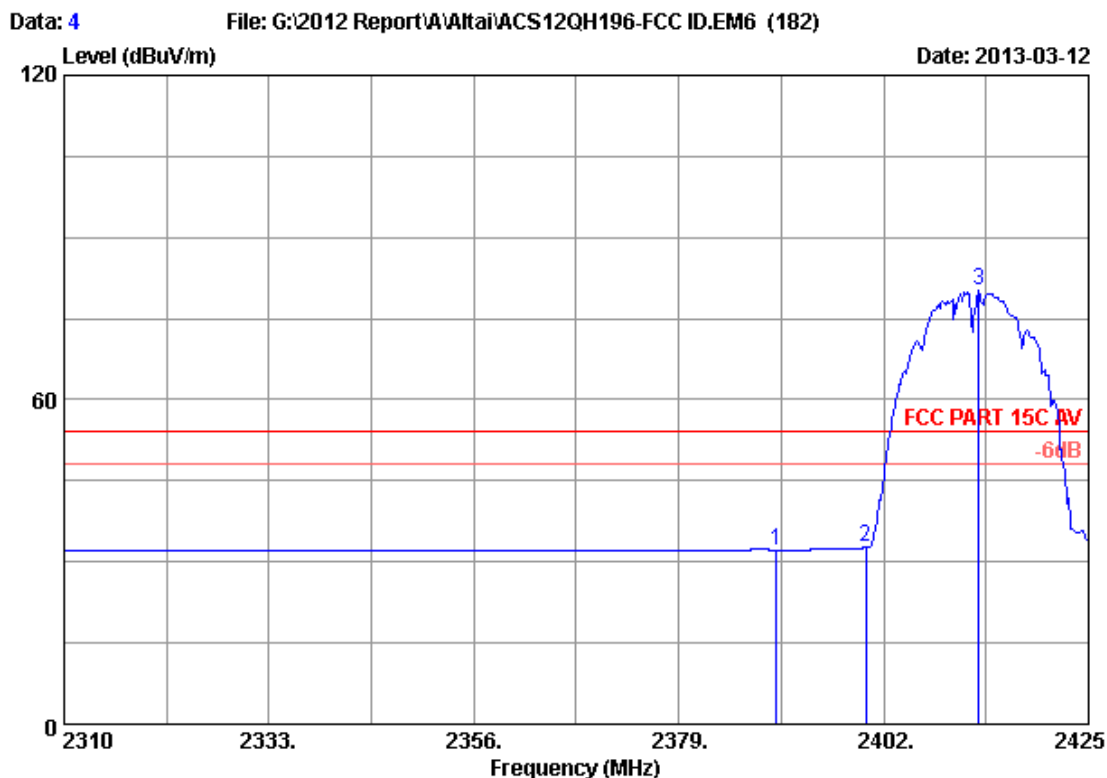
**2.4G:**


Site no. : 3m Chamber Data no. : 3  
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : A8n Super WiFi Base Station  
Power supply : DC 56V From Adapter Input AC 120V/60Hz  
Test mode : IEEE802.11b CH1 2412MHz Tx  
WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 2312.875       | 27.99                    | 5.67                  | 35.70                  | 46.48             | 44.44                         | 74.00              | 29.56          | Peak   |
| 2 | 2390.000       | 28.16                    | 5.78                  | 35.70                  | 44.17             | 42.41                         | 74.00              | 31.59          | Peak   |
| 3 | 2400.000       | 28.18                    | 5.80                  | 35.70                  | 45.47             | 43.75                         | 74.00              | 30.25          | Peak   |
| 4 | 2410.855       | 28.20                    | 5.81                  | 35.70                  | 85.02             | 83.33                         | 74.00              | -9.33          | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

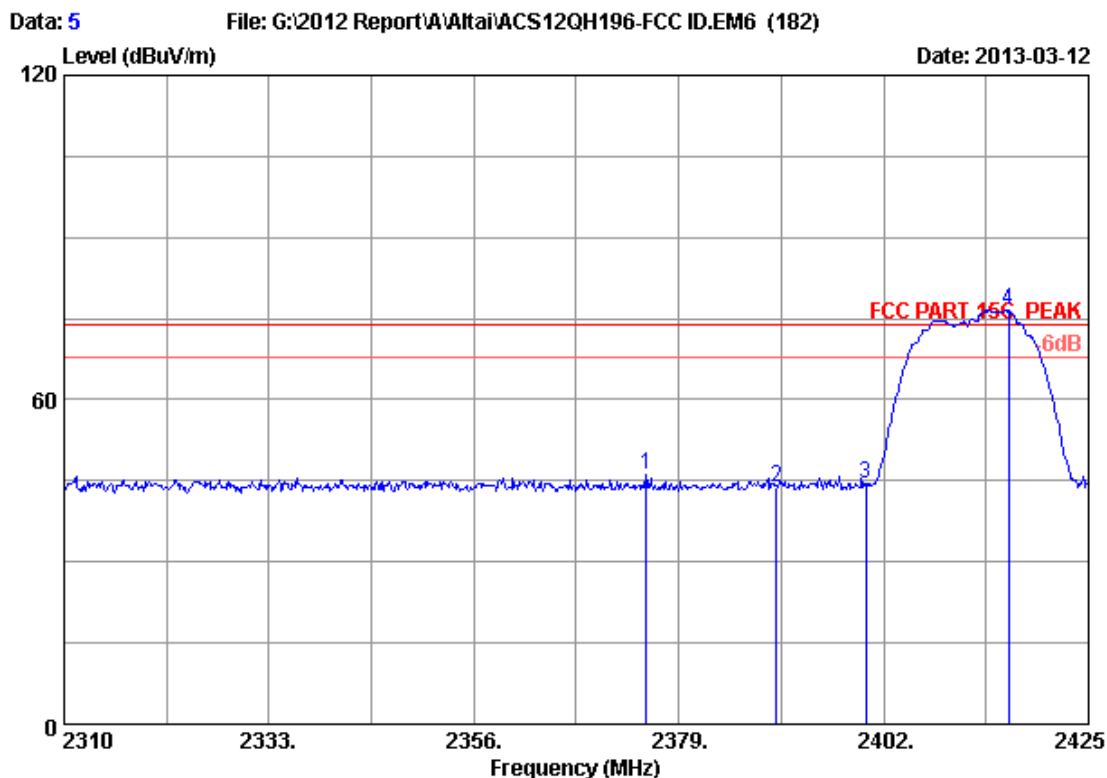


Site no. : 3m Chamber Data no. : 4  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 2390.000       | 28.16                    | 5.78                  | 35.70                  | 33.98             | 32.22                         | 54.00              | 21.78          | Average |
| 2 | 2400.000       | 28.18                    | 5.80                  | 35.70                  | 34.38             | 32.66                         | 54.00              | 21.34          | Average |
| 3 | 2412.695       | 28.21                    | 5.82                  | 35.70                  | 81.77             | 80.10                         | 54.00              | -26.10         | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

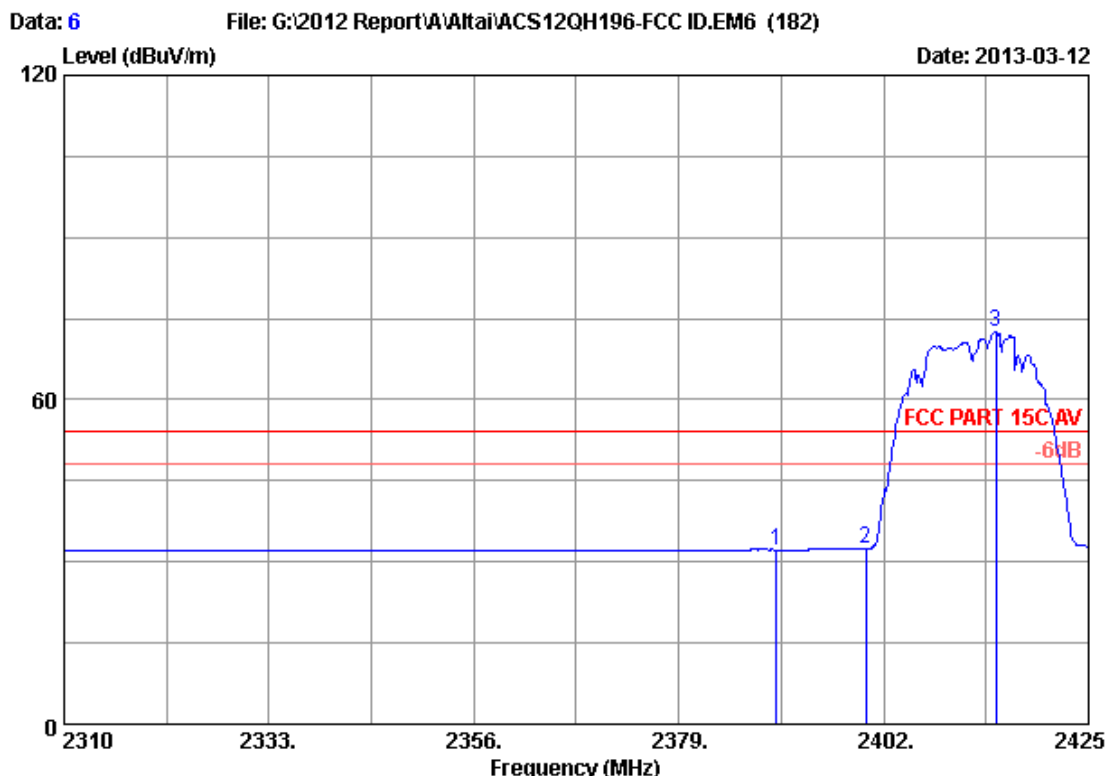


Site no. : 3m Chamber Data no. : 5  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 2375.320       | 28.13                    | 5.76                  | 35.70                  | 47.84             | 46.03                         | 74.00              | 27.97          | Peak   |
| 2 | 2390.000       | 28.16                    | 5.78                  | 35.70                  | 45.66             | 43.90                         | 74.00              | 30.10          | Peak   |
| 3 | 2400.000       | 28.18                    | 5.80                  | 35.70                  | 46.22             | 44.50                         | 74.00              | 29.50          | Peak   |
| 4 | 2416.030       | 28.22                    | 5.82                  | 35.70                  | 78.12             | 76.46                         | 74.00              | -2.46          | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

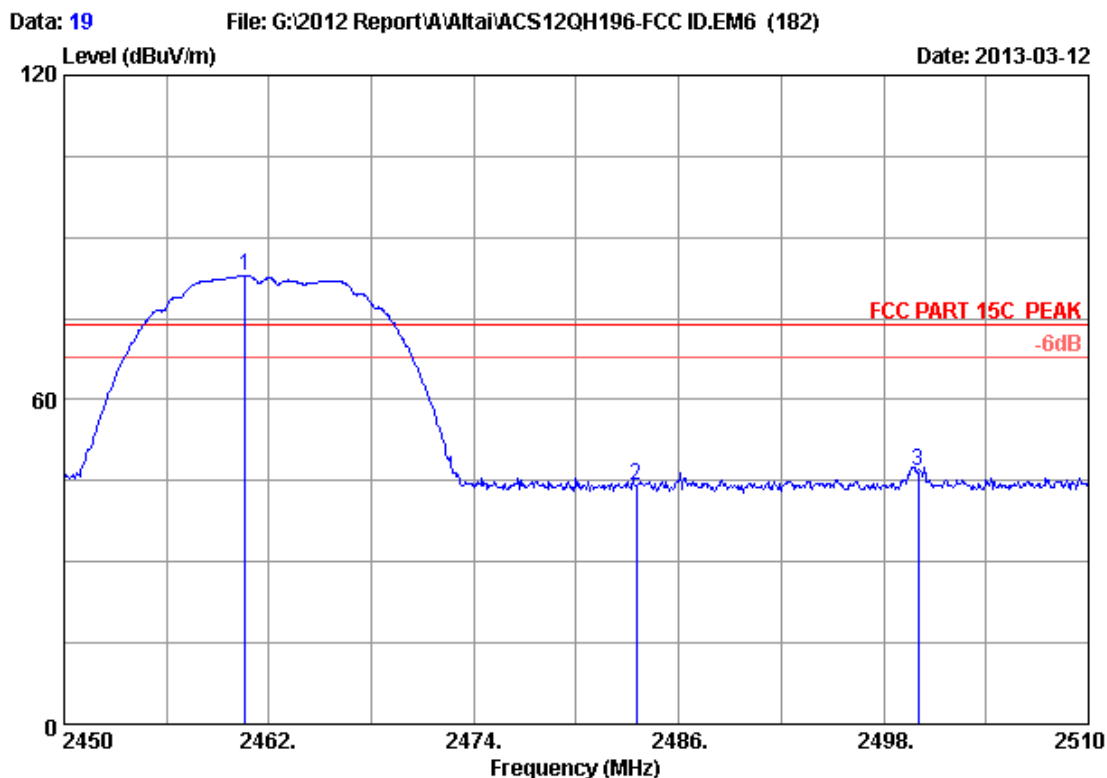


Site no. : 3m Chamber Data no. : 6  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11b CH1 2412MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 2390.000       | 28.16                    | 5.78                  | 35.70                  | 33.98             | 32.22                         | 54.00              | 21.78          | Average |
| 2 | 2400.000       | 28.18                    | 5.80                  | 35.70                  | 34.21             | 32.49                         | 54.00              | 21.51          | Average |
| 3 | 2414.650       | 28.21                    | 5.82                  | 35.70                  | 74.30             | 72.63                         | 54.00              | -18.63         | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

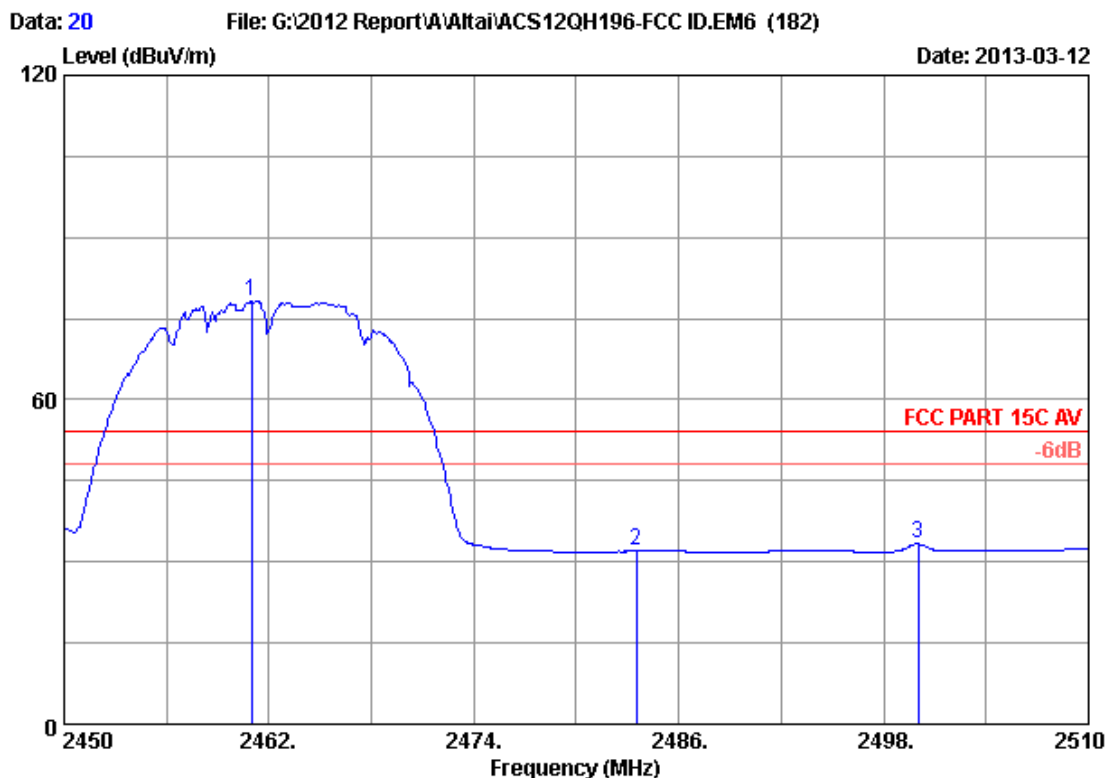


Site no. : 3m Chamber Data no. : 19  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 2460.620       | 28.31                    | 5.89                  | 35.70                  | 84.41             | 82.91                         | 74.00              | -8.91          | Peak   |
| 2 | 2483.500       | 28.36                    | 5.92                  | 35.70                  | 45.48             | 44.06                         | 74.00              | 29.94          | Peak   |
| 3 | 2500.000       | 28.40                    | 5.94                  | 35.70                  | 48.25             | 46.89                         | 74.00              | 27.11          | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

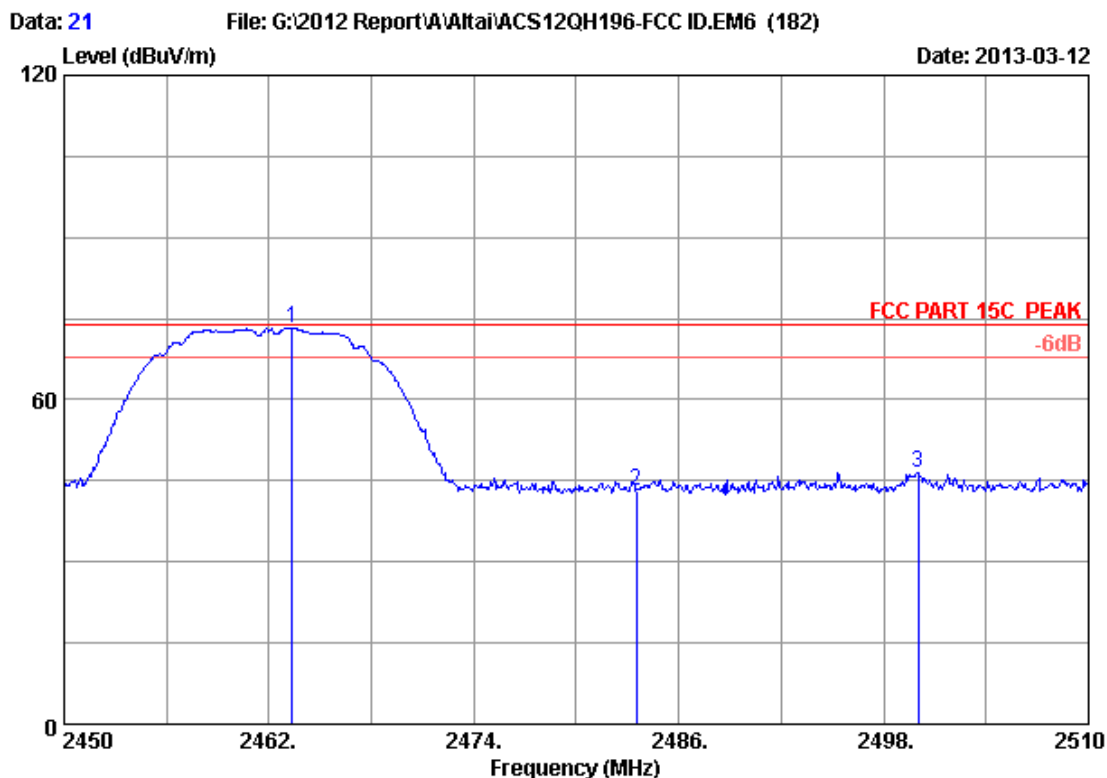


Site no. : 3m Chamber Data no. : 20  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 2460.980       | 28.31                    | 5.89                  | 35.70                  | 79.73             | 78.23                         | 54.00              | -24.23         | Average |
| 2 | 2483.500       | 28.36                    | 5.92                  | 35.70                  | 33.45             | 32.03                         | 54.00              | 21.97          | Average |
| 3 | 2500.000       | 28.40                    | 5.94                  | 35.70                  | 34.70             | 33.34                         | 54.00              | 20.66          | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

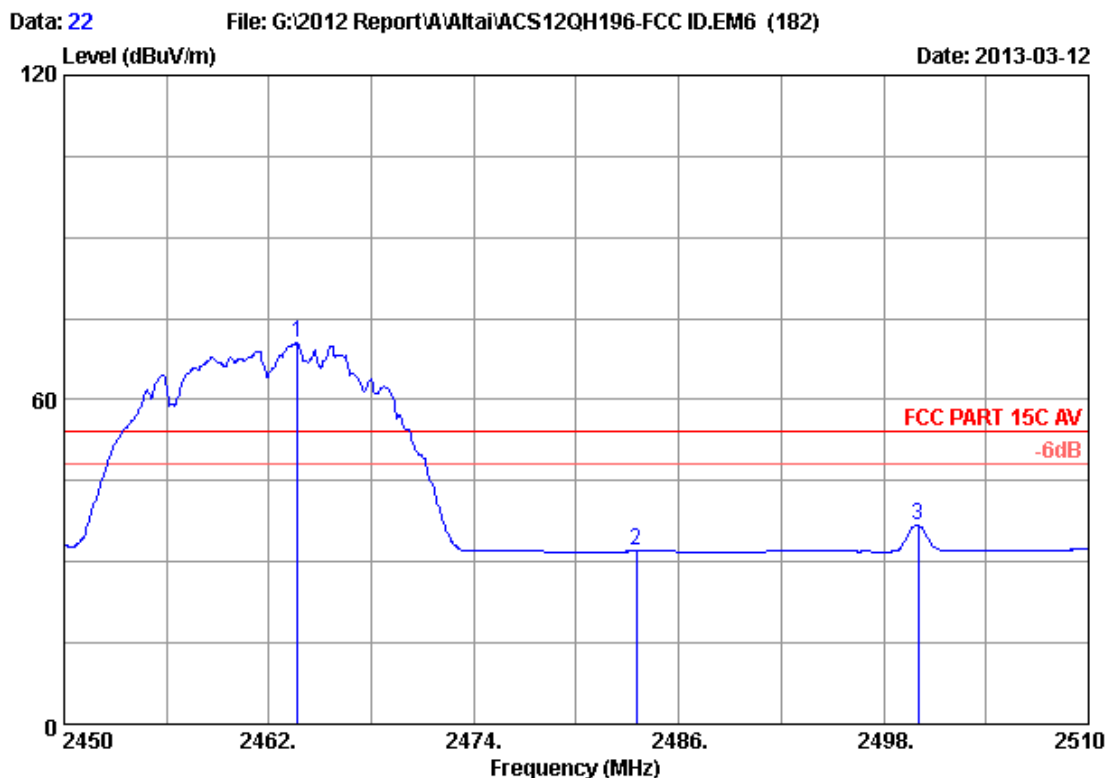


Site no. : 3m Chamber Data no. : 21  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 2463.380       | 28.32                    | 5.89                  | 35.70                  | 74.81             | 73.32                         | 74.00              | 0.68           | Peak   |
| 2 | 2483.500       | 28.36                    | 5.92                  | 35.70                  | 44.54             | 43.12                         | 74.00              | 30.88          | Peak   |
| 3 | 2500.000       | 28.40                    | 5.94                  | 35.70                  | 47.83             | 46.47                         | 74.00              | 27.53          | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

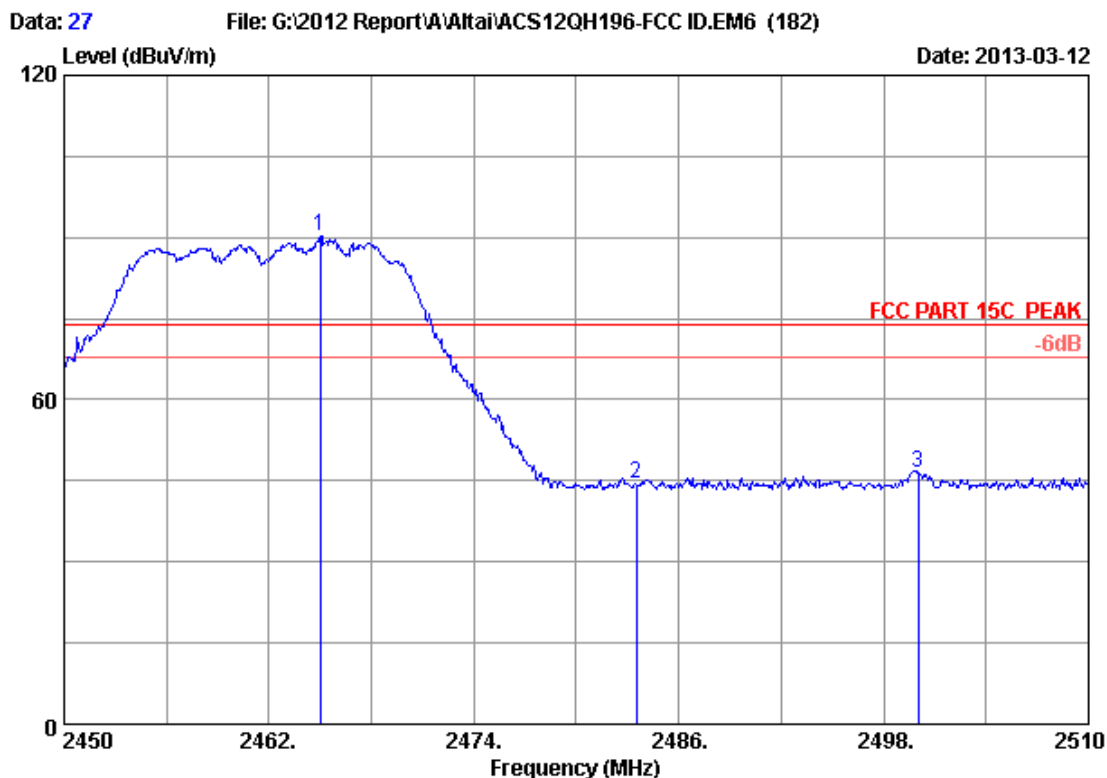


Site no. : 3m Chamber Data no. : 22  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11b CH11 2462MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 2463.680       | 28.32                    | 5.89                  | 35.70                  | 72.01             | 70.52                         | 54.00              | -16.52         | Average |
| 2 | 2483.500       | 28.36                    | 5.92                  | 35.70                  | 33.42             | 32.00                         | 54.00              | 22.00          | Average |
| 3 | 2500.000       | 28.40                    | 5.94                  | 35.70                  | 38.08             | 36.72                         | 54.00              | 17.28          | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

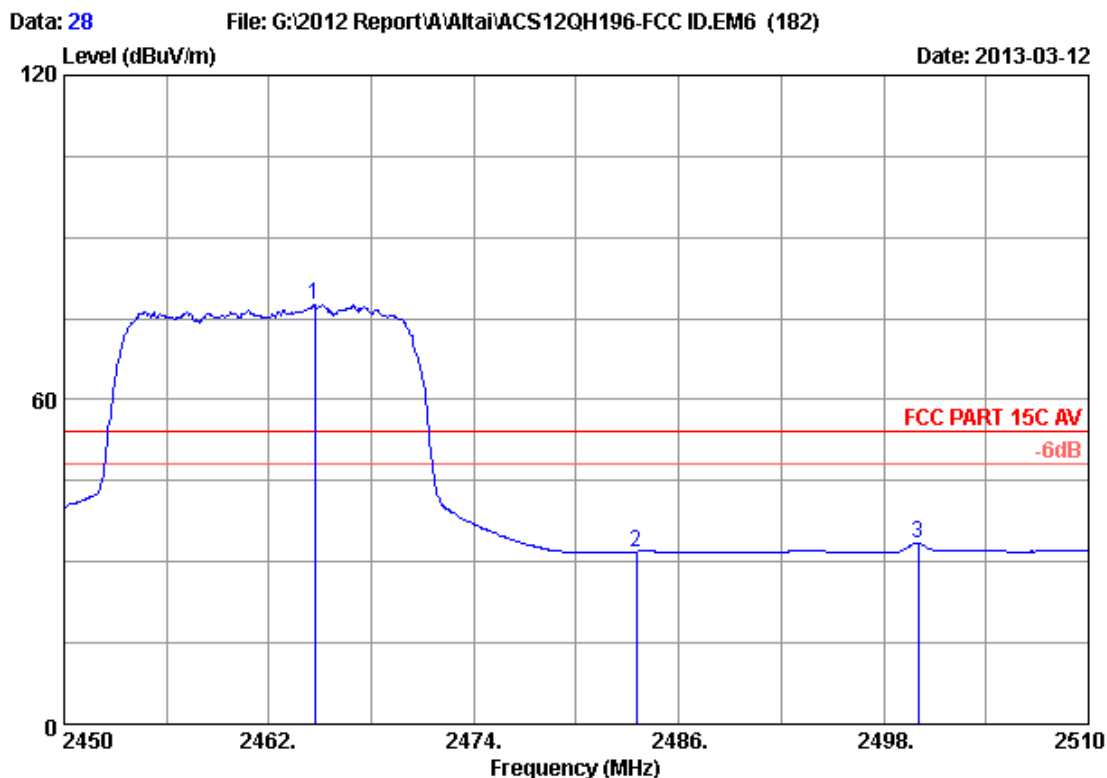


Site no. : 3m Chamber Data no. : 27  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11g CH11 2462MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 2465.000       | 28.32                    | 5.89                  | 35.70                  | 91.70             | 90.21                         | 74.00              | -16.21         | Peak   |
| 2 | 2483.500       | 28.36                    | 5.92                  | 35.70                  | 45.83             | 44.41                         | 74.00              | 29.59          | Peak   |
| 3 | 2500.000       | 28.40                    | 5.94                  | 35.70                  | 47.92             | 46.56                         | 74.00              | 27.44          | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

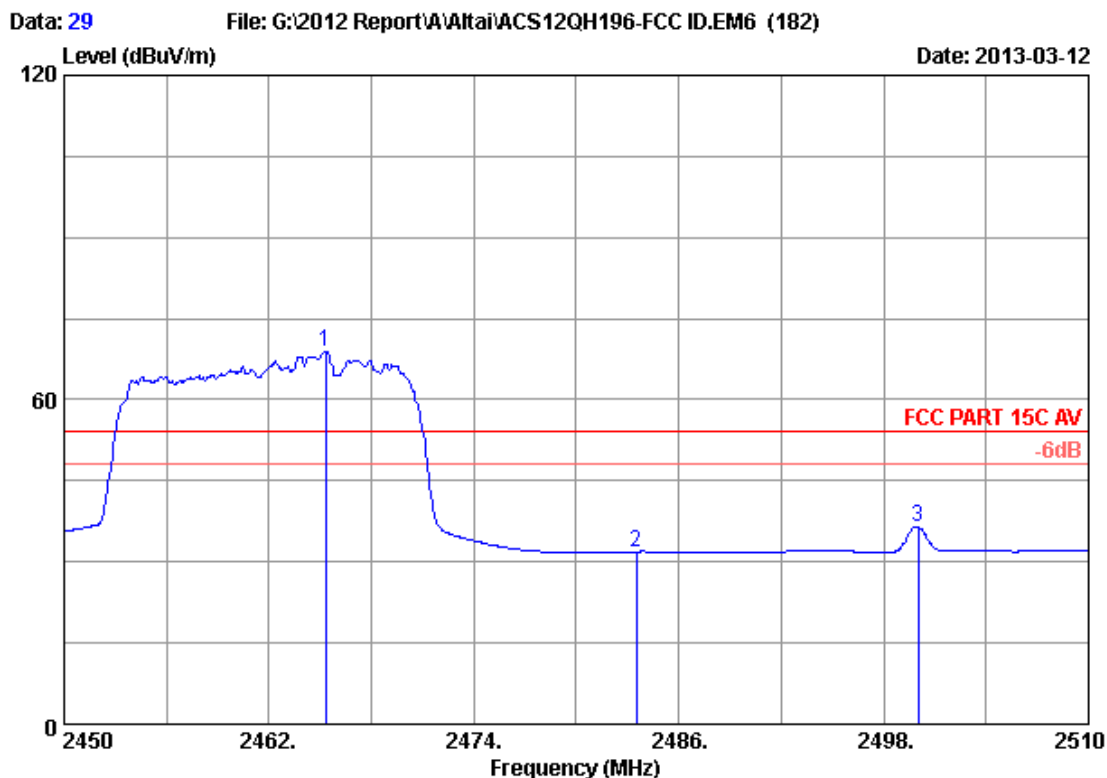


Site no. : 3m Chamber Data no. : 28  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11g CH11 2462MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 2464.700       | 28.32                    | 5.89                  | 35.70                  | 79.16             | 77.67                         | 54.00              | -23.67         | Average |
| 2 | 2483.500       | 28.36                    | 5.92                  | 35.70                  | 33.29             | 31.87                         | 54.00              | 22.13          | Average |
| 3 | 2500.000       | 28.40                    | 5.94                  | 35.70                  | 34.74             | 33.38                         | 54.00              | 20.62          | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

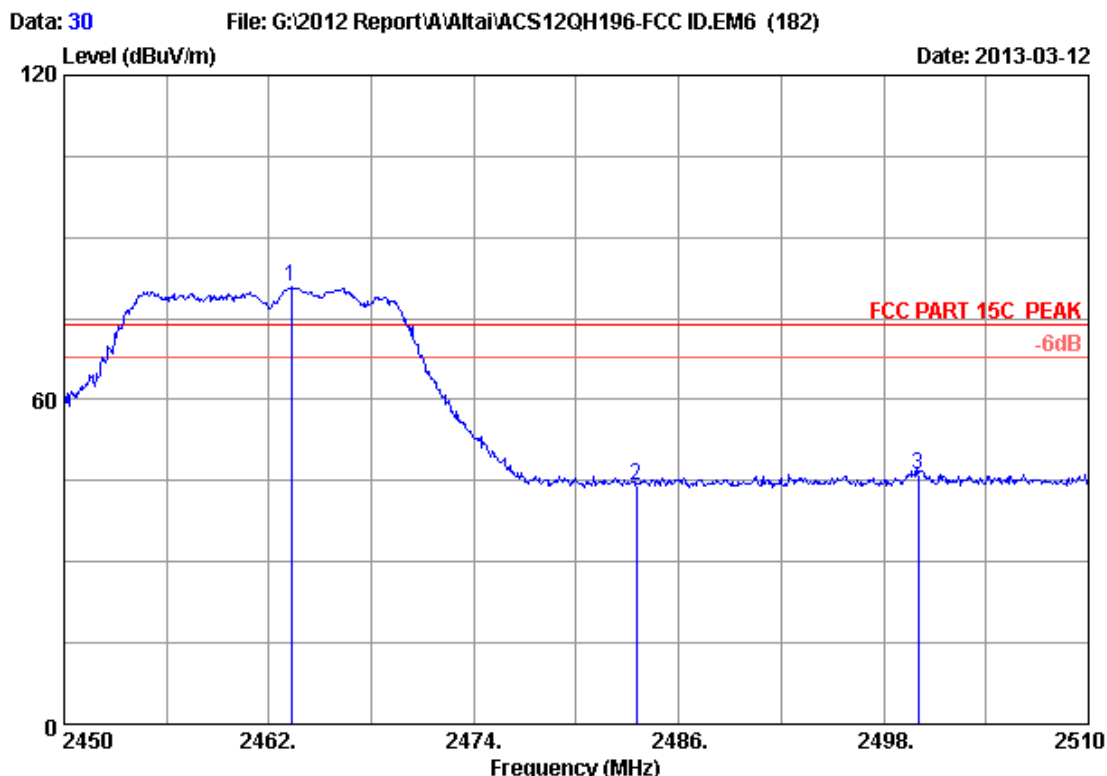


Site no. : 3m Chamber Data no. : 29  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11g CH11 2462MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 2465.300       | 28.32                    | 5.89                  | 35.70                  | 70.34             | 68.85                         | 54.00              | -14.85         | Average |
| 2 | 2483.500       | 28.36                    | 5.92                  | 35.70                  | 33.32             | 31.90                         | 54.00              | 22.10          | Average |
| 3 | 2500.000       | 28.40                    | 5.94                  | 35.70                  | 37.85             | 36.49                         | 54.00              | 17.51          | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

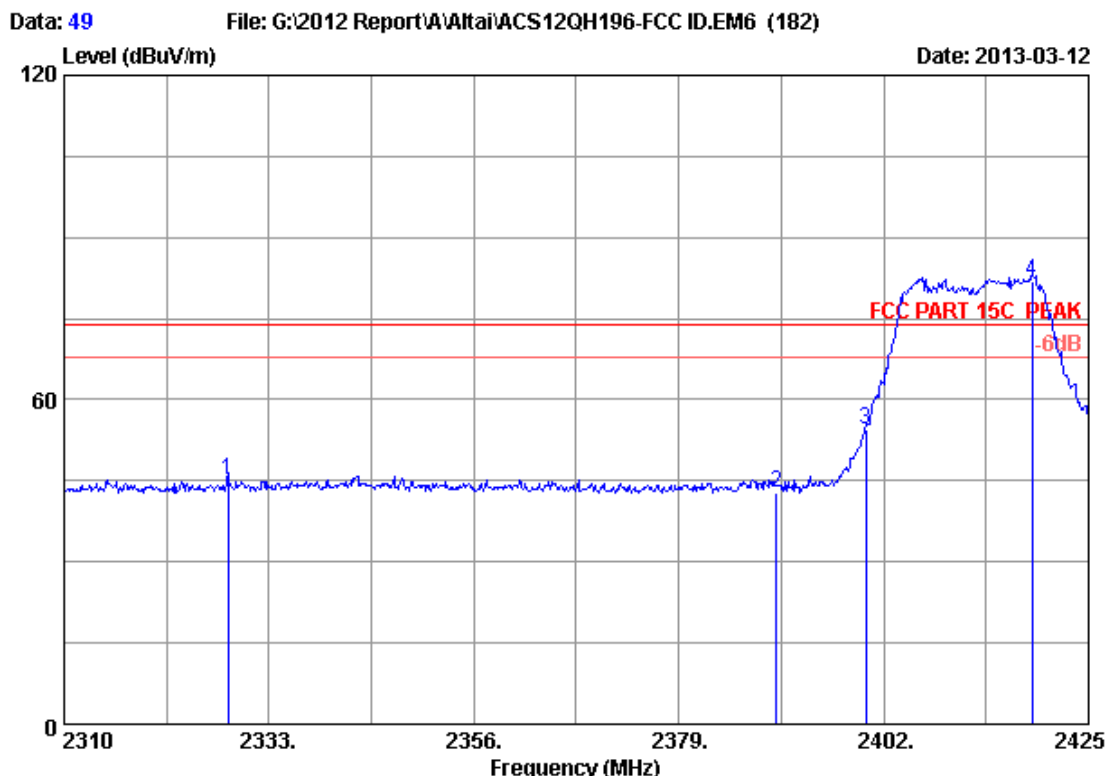


Site no. : 3m Chamber Data no. : 30  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11g CH11 2462MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 2463.320       | 28.32                    | 5.89                  | 35.70                  | 82.30             | 80.81                         | 74.00              | -6.81          | Peak   |
| 2 | 2483.500       | 28.36                    | 5.92                  | 35.70                  | 45.68             | 44.26                         | 74.00              | 29.74          | Peak   |
| 3 | 2500.000       | 28.40                    | 5.94                  | 35.70                  | 47.53             | 46.17                         | 74.00              | 27.83          | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

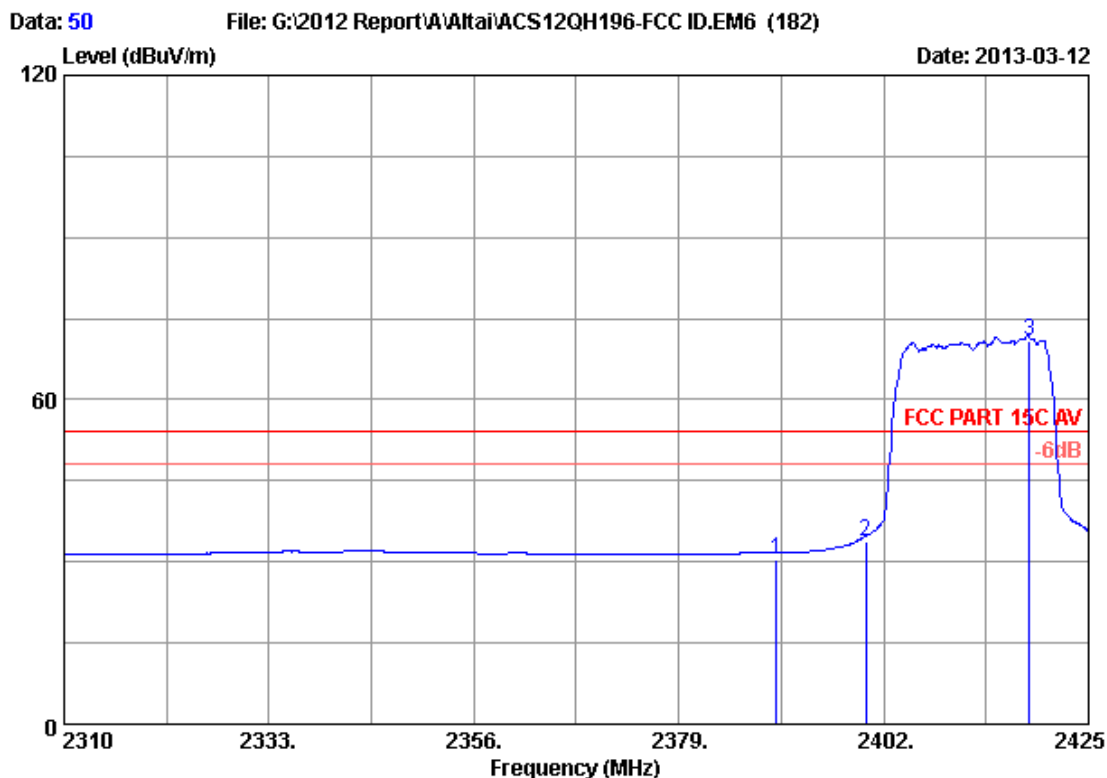


Site no. : 3m Chamber Data no. : 49  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 2328.400       | 28.02                    | 5.69                  | 35.70                  | 47.28             | 45.29                         | 74.00              | 28.71          | Peak   |
| 2 | 2390.000       | 28.16                    | 5.78                  | 35.70                  | 44.67             | 42.91                         | 74.00              | 31.09          | Peak   |
| 3 | 2400.000       | 28.18                    | 5.80                  | 35.70                  | 56.32             | 54.60                         | 74.00              | 19.40          | Peak   |
| 4 | 2418.675       | 28.22                    | 5.82                  | 35.70                  | 83.51             | 81.85                         | 74.00              | -7.85          | Peak   |

**Remarks:**

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

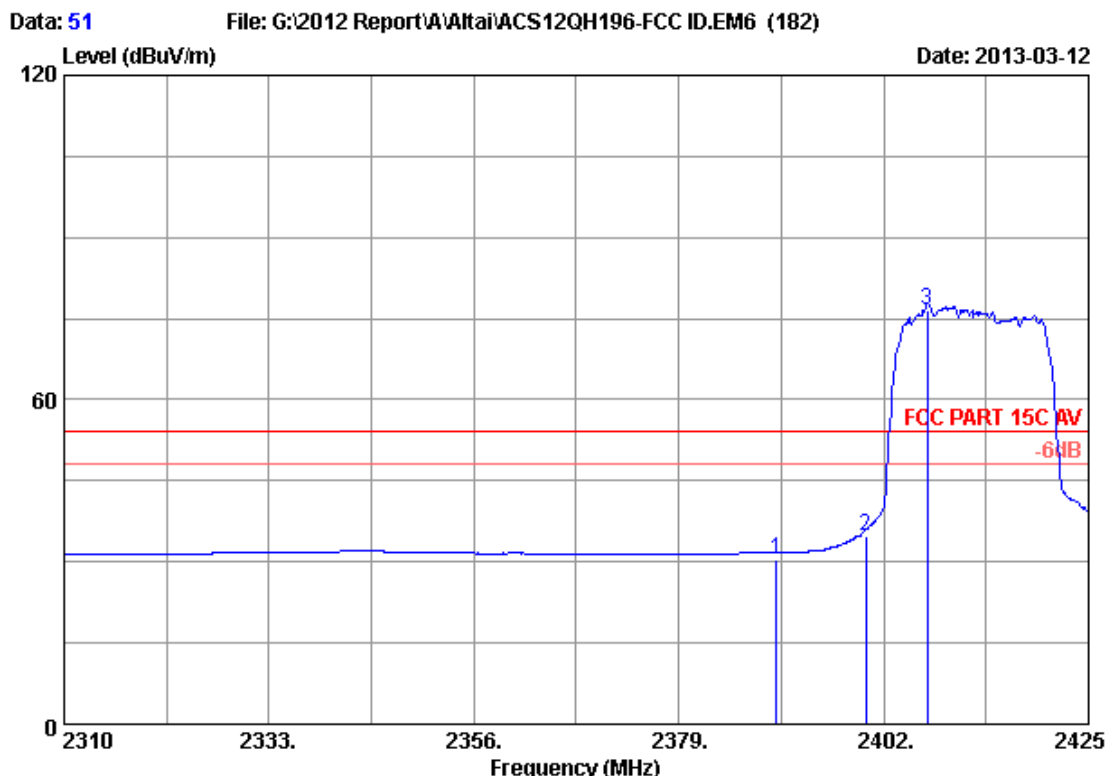


Site no. : 3m Chamber Data no. : 50  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 2390.000       | 28.16                    | 5.78                  | 35.70                  | 32.25             | 30.49                         | 54.00              | 23.51          | Average |
| 2 | 2400.000       | 28.18                    | 5.80                  | 35.70                  | 35.40             | 33.68                         | 54.00              | 20.32          | Average |
| 3 | 2418.330       | 28.22                    | 5.82                  | 35.70                  | 72.42             | 70.76                         | 54.00              | -16.76         | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

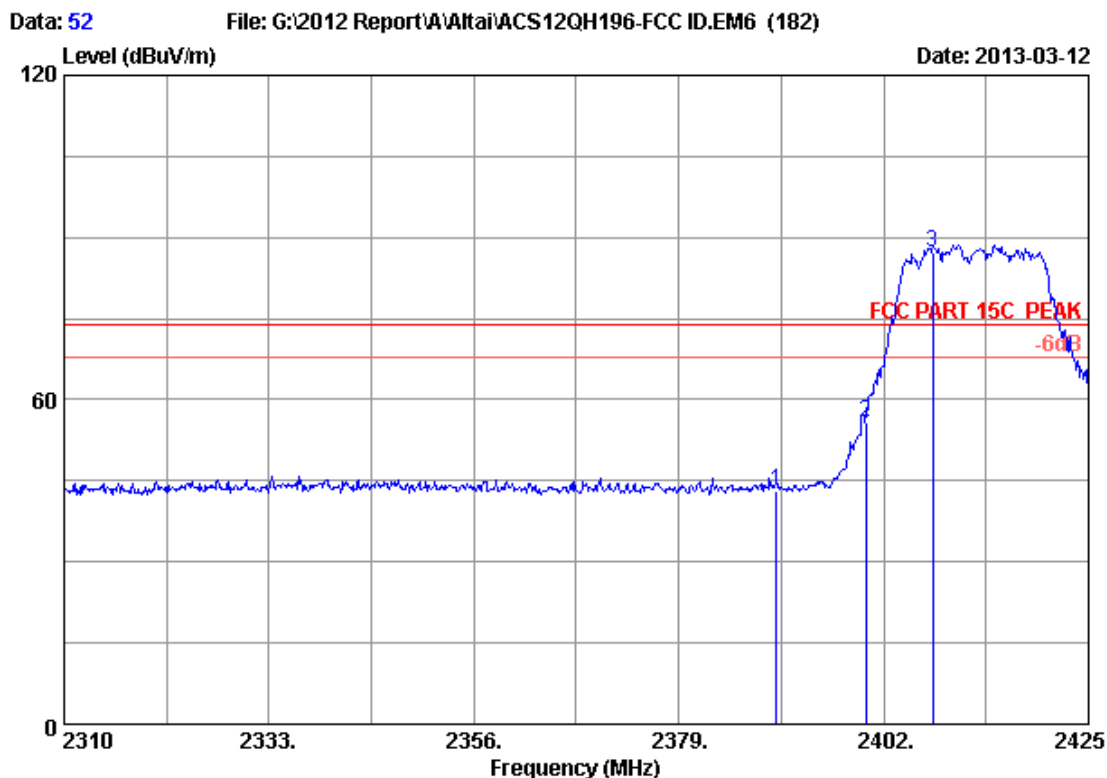


Site no. : 3m Chamber Data no. : 51  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 2390.000       | 28.16                    | 5.78                  | 35.70                  | 32.24             | 30.48                         | 54.00              | 23.52          | Average |
| 2 | 2400.000       | 28.18                    | 5.80                  | 35.70                  | 36.51             | 34.79                         | 54.00              | 19.21          | Average |
| 3 | 2406.945       | 28.20                    | 5.81                  | 35.70                  | 78.14             | 76.45                         | 54.00              | -22.45         | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

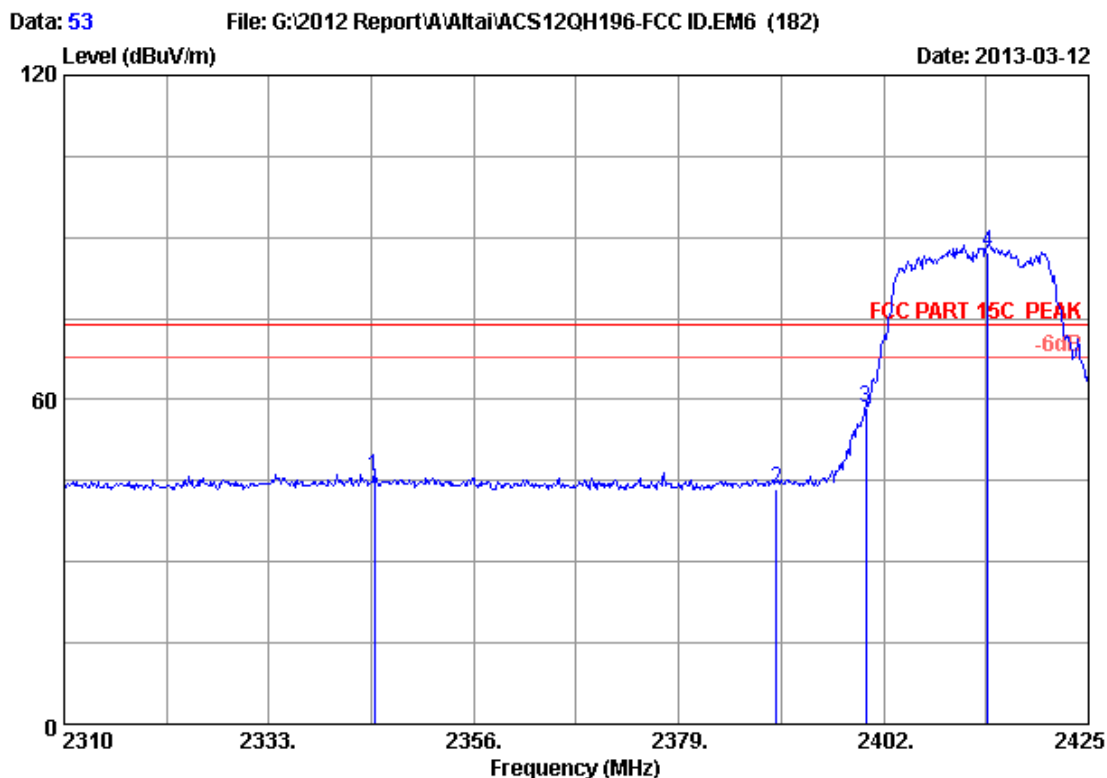


Site no. : 3m Chamber Data no. : 52  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11g CH1 2412MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 2390.000       | 28.16                    | 5.78                  | 35.70                  | 44.81             | 43.05                         | 74.00              | 30.95          | Peak   |
| 2 | 2400.000       | 28.18                    | 5.80                  | 35.70                  | 57.54             | 55.82                         | 74.00              | 18.18          | Peak   |
| 3 | 2407.520       | 28.20                    | 5.81                  | 35.70                  | 88.96             | 87.27                         | 74.00              | -13.27         | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

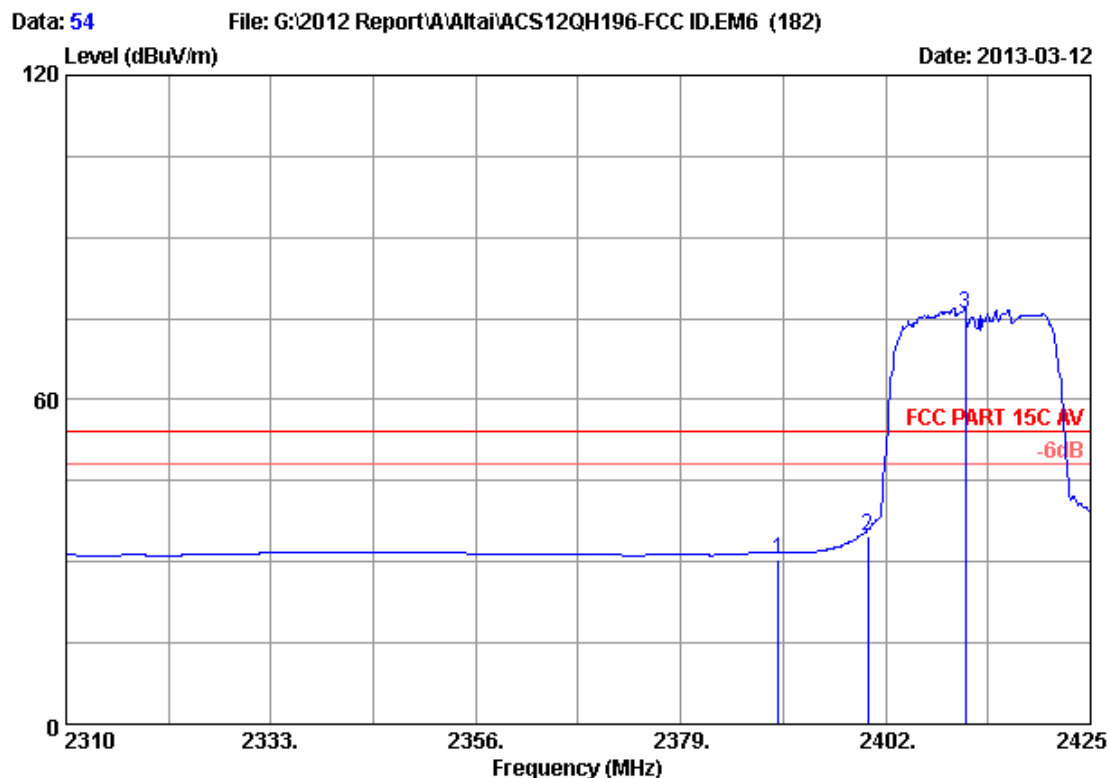


Site no. : 3m Chamber Data no. : 53  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 2344.845       | 28.06                    | 5.72                  | 35.70                  | 47.65             | 45.73                         | 74.00              | 28.27          | Peak   |
| 2 | 2390.000       | 28.16                    | 5.78                  | 35.70                  | 45.29             | 43.53                         | 74.00              | 30.47          | Peak   |
| 3 | 2400.000       | 28.18                    | 5.80                  | 35.70                  | 60.20             | 58.48                         | 74.00              | 15.52          | Peak   |
| 4 | 2413.730       | 28.21                    | 5.82                  | 35.70                  | 88.97             | 87.30                         | 74.00              | -13.30         | Peak   |

**Remarks:**

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

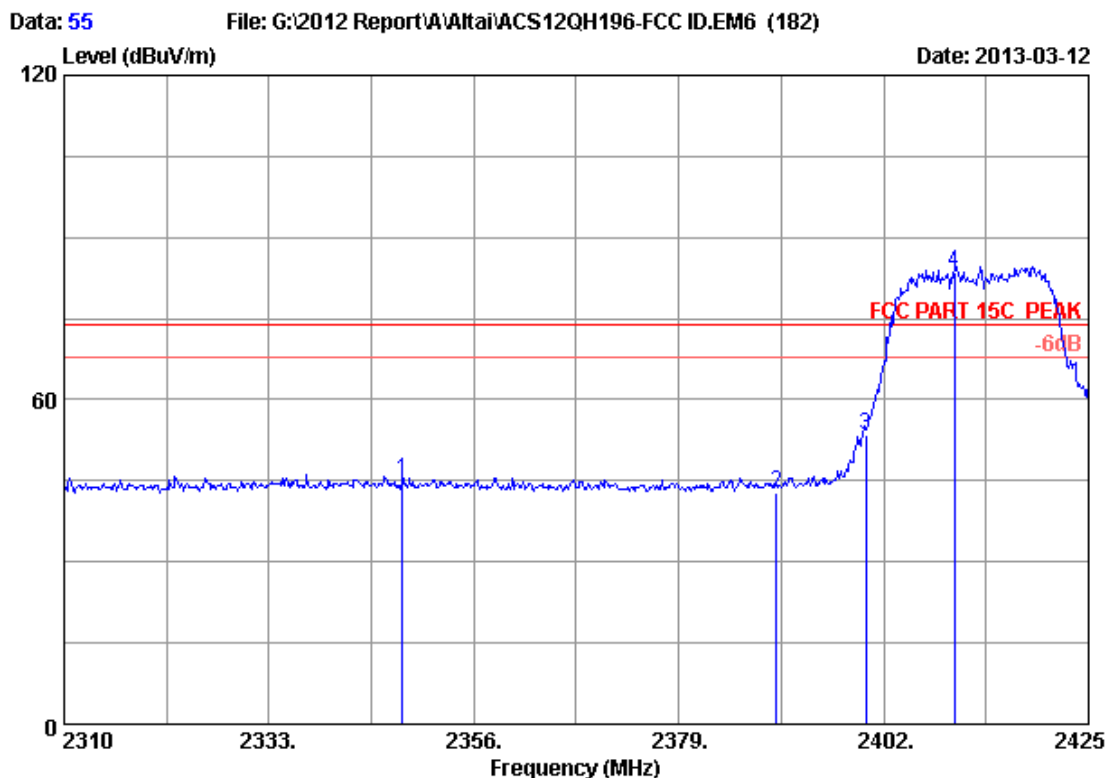


Site no. : 3m Chamber Data no. : 54  
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : A8n Super WiFi Base Station  
Power supply : DC 56V From Adapter Input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 2390.000       | 28.16                    | 5.78                  | 35.70                  | 32.12             | 30.36                         | 54.00              | 23.64          | Average |
| 2 | 2400.000       | 28.18                    | 5.80                  | 35.70                  | 36.61             | 34.89                         | 54.00              | 19.11          | Average |
| 3 | 2410.970       | 28.20                    | 5.81                  | 35.70                  | 77.42             | 75.73                         | 54.00              | -21.73         | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

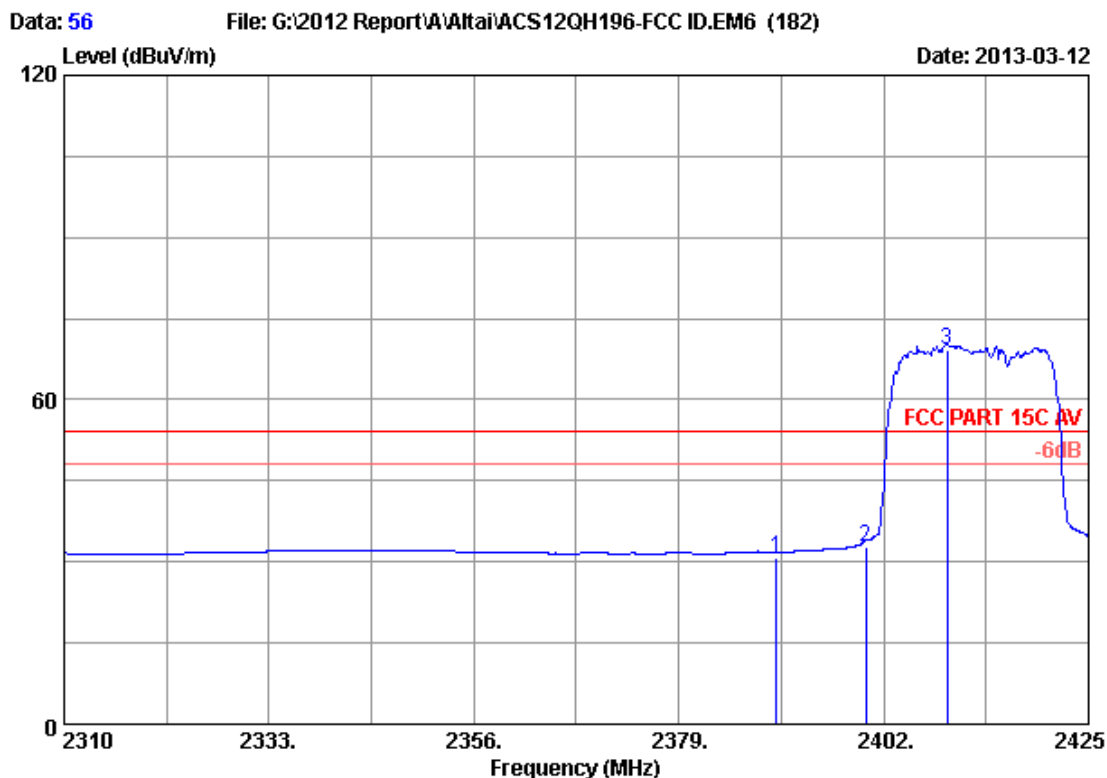


Site no. : 3m Chamber Data no. : 55  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 2347.950       | 28.07                    | 5.72                  | 35.70                  | 46.91             | 45.00                         | 74.00              | 29.00          | Peak   |
| 2 | 2390.000       | 28.16                    | 5.78                  | 35.70                  | 44.64             | 42.88                         | 74.00              | 31.12          | Peak   |
| 3 | 2400.000       | 28.18                    | 5.80                  | 35.70                  | 55.12             | 53.40                         | 74.00              | 20.60          | Peak   |
| 4 | 2409.935       | 28.20                    | 5.81                  | 35.70                  | 85.09             | 83.40                         | 74.00              | -9.40          | Peak   |

**Remarks:**

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

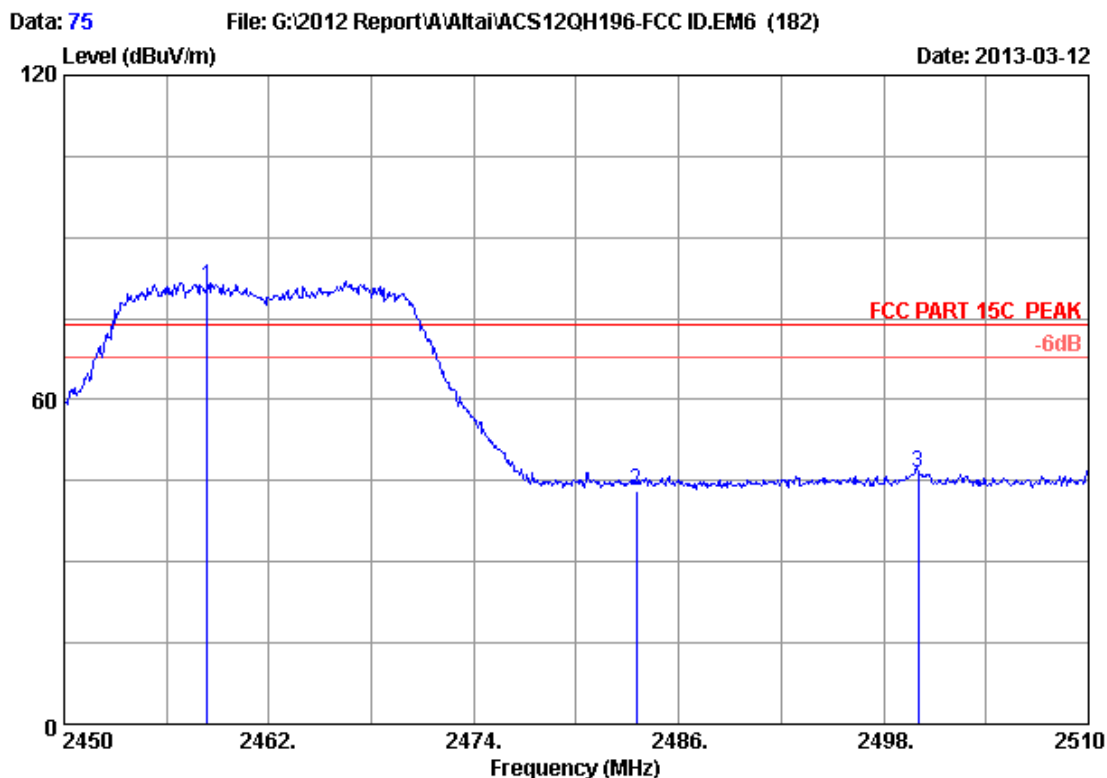


Site no. : 3m Chamber Data no. : 56  
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : A8n Super WiFi Base Station  
Power supply : DC 56V From Adapter Input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx  
WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 2390.000       | 28.16                    | 5.78                  | 35.70                  | 32.36             | 30.60                         | 54.00              | 23.40          | Average |
| 2 | 2400.000       | 28.18                    | 5.80                  | 35.70                  | 34.50             | 32.78                         | 54.00              | 21.22          | Average |
| 3 | 2409.130       | 28.20                    | 5.81                  | 35.70                  | 70.91             | 69.22                         | 54.00              | -15.22         | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

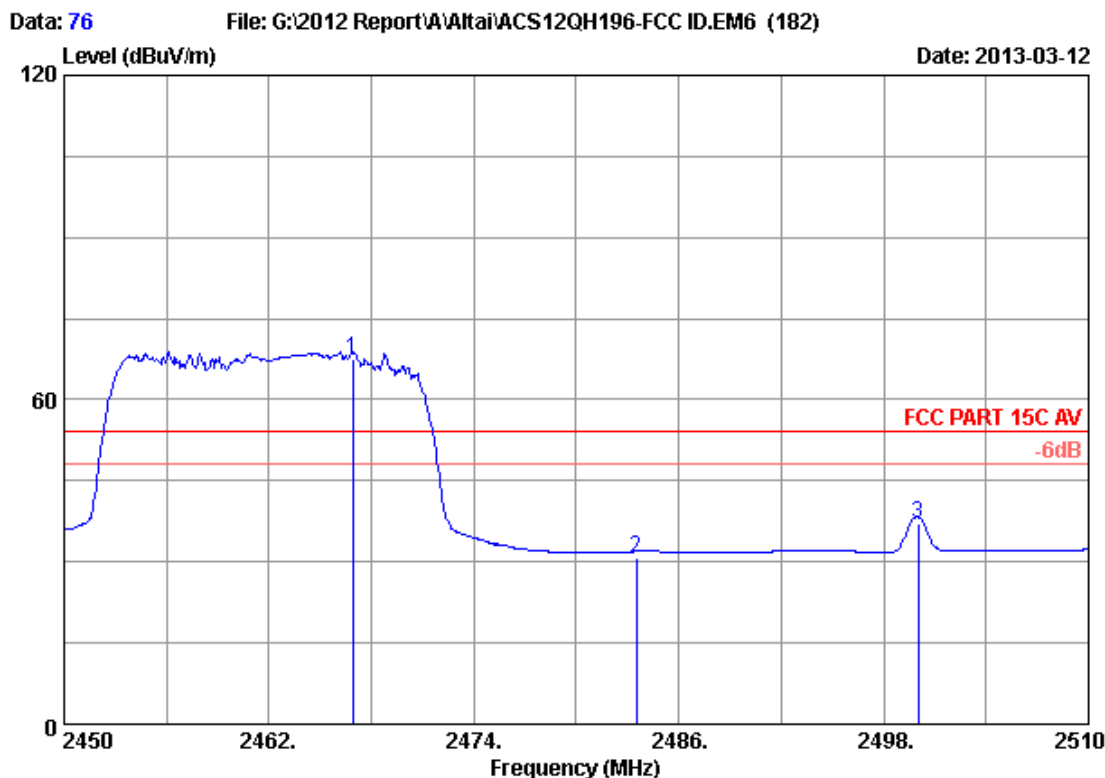


Site no. : 3m Chamber Data no. : 75  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 2458.400       | 28.31                    | 5.88                  | 35.70                  | 82.34             | 80.83                         | 74.00              | -6.83          | Peak   |
| 2 | 2483.500       | 28.36                    | 5.92                  | 35.70                  | 44.61             | 43.19                         | 74.00              | 30.81          | Peak   |
| 3 | 2500.000       | 28.40                    | 5.94                  | 35.70                  | 47.68             | 46.32                         | 74.00              | 27.68          | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

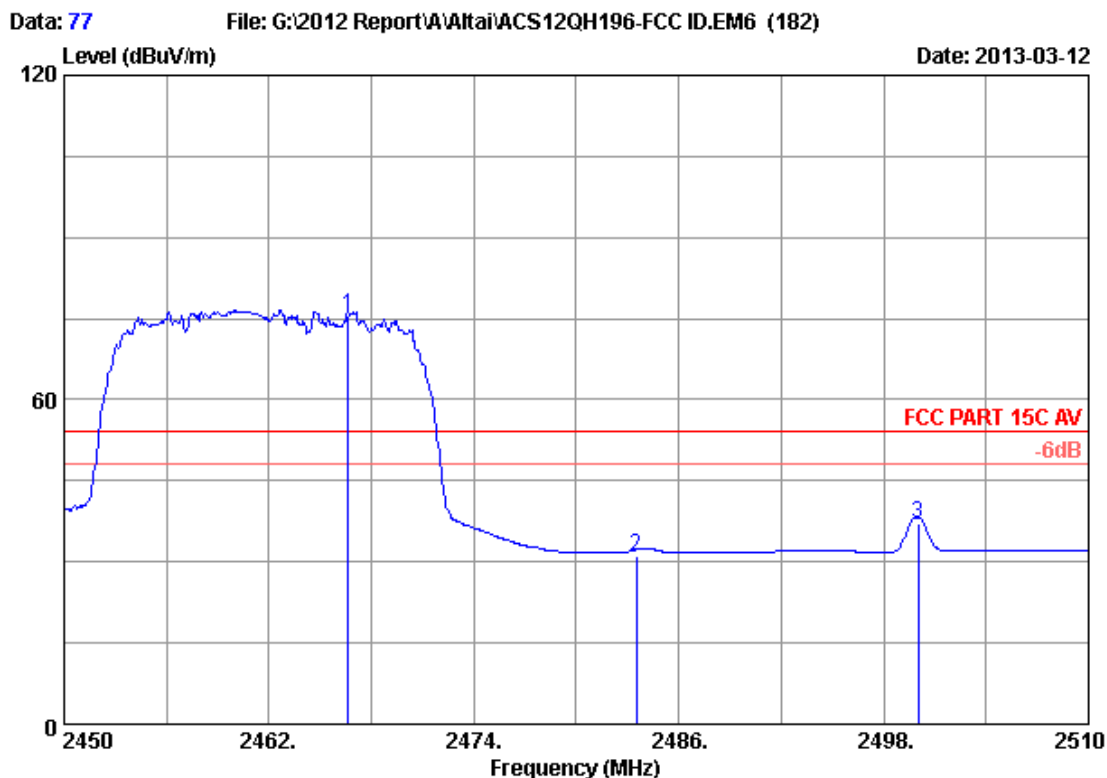


Site no. : 3m Chamber Data no. : 76  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 2466.920       | 28.33                    | 5.89                  | 35.70                  | 69.11             | 67.63                         | 54.00              | -13.63         | Average |
| 2 | 2483.500       | 28.36                    | 5.92                  | 35.70                  | 32.19             | 30.77                         | 54.00              | 23.23          | Average |
| 3 | 2500.000       | 28.40                    | 5.94                  | 35.70                  | 38.46             | 37.10                         | 54.00              | 16.90          | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

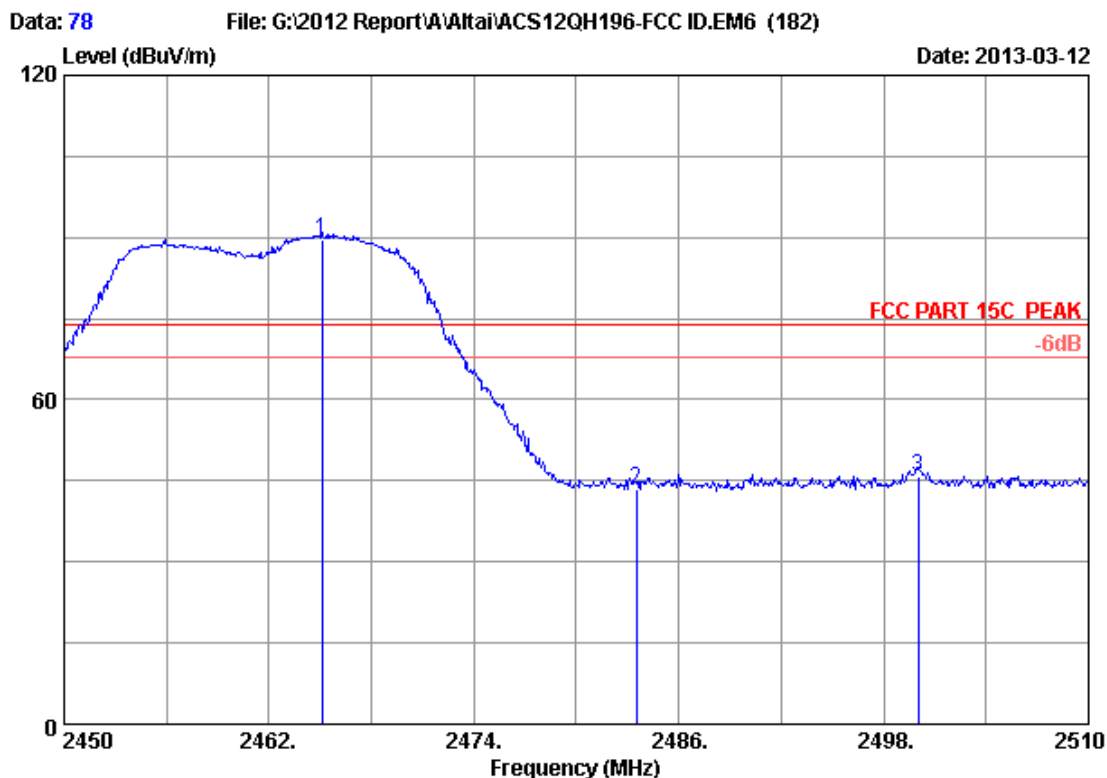


Site no. : 3m Chamber Data no. : 77  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 2466.620       | 28.33                    | 5.89                  | 35.70                  | 77.04             | 75.56                         | 54.00              | -21.56         | Average |
| 2 | 2483.500       | 28.36                    | 5.92                  | 35.70                  | 32.44             | 31.02                         | 54.00              | 22.98          | Average |
| 3 | 2500.000       | 28.40                    | 5.94                  | 35.70                  | 38.44             | 37.08                         | 54.00              | 16.92          | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

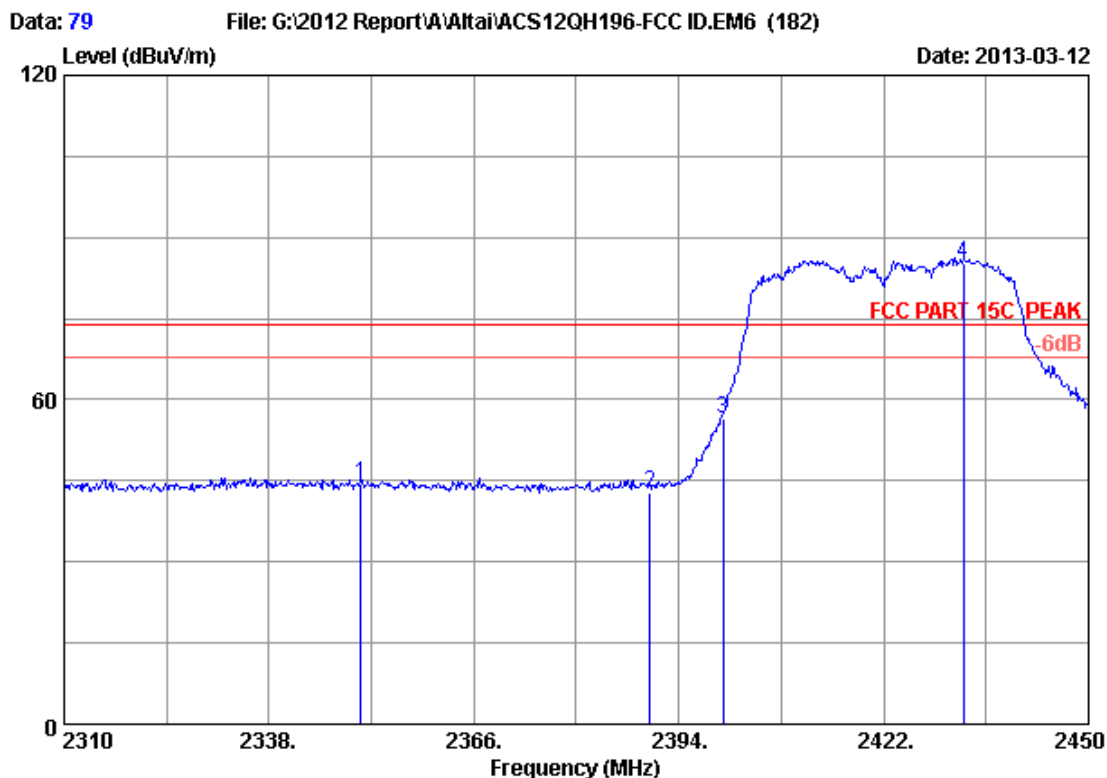


Site no. : 3m Chamber Data no. : 78  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH11 2462MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 2465.120       | 28.32                    | 5.89                  | 35.70                  | 91.07             | 89.58                         | 74.00              | -15.58         | Peak   |
| 2 | 2483.500       | 28.36                    | 5.92                  | 35.70                  | 44.85             | 43.43                         | 74.00              | 30.57          | Peak   |
| 3 | 2500.000       | 28.40                    | 5.94                  | 35.70                  | 47.31             | 45.95                         | 74.00              | 28.05          | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

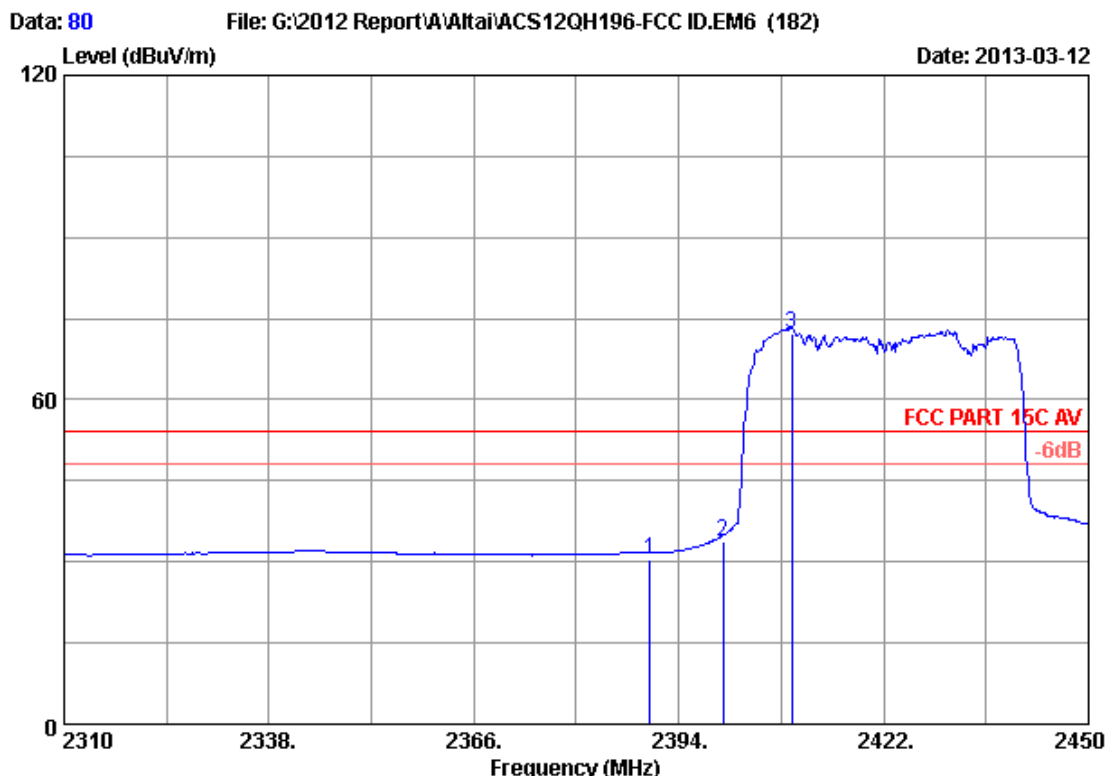


Site no. : 3m Chamber Data no. : 79  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 2350.600       | 28.07                    | 5.73                  | 35.70                  | 46.28             | 44.38                         | 74.00              | 29.62          | Peak   |
| 2 | 2390.000       | 28.16                    | 5.78                  | 35.70                  | 44.65             | 42.89                         | 74.00              | 31.11          | Peak   |
| 3 | 2400.000       | 28.18                    | 5.80                  | 35.70                  | 58.33             | 56.61                         | 74.00              | 17.39          | Peak   |
| 4 | 2432.920       | 28.25                    | 5.84                  | 35.70                  | 86.74             | 85.13                         | 74.00              | -11.13         | Peak   |

**Remarks:**

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

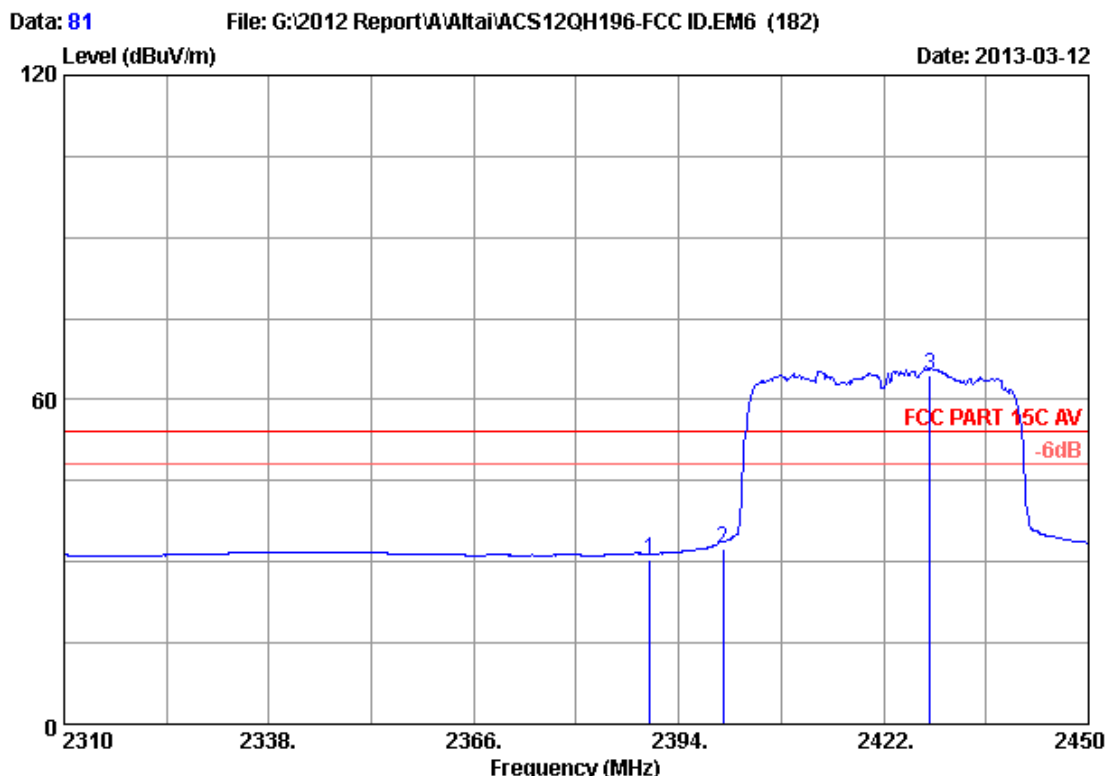


Site no. : 3m Chamber Data no. : 80  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 2390.000       | 28.16                    | 5.78                  | 35.70                  | 32.20             | 30.44                         | 54.00              | 23.56          | Average |
| 2 | 2400.000       | 28.18                    | 5.80                  | 35.70                  | 35.45             | 33.73                         | 54.00              | 20.27          | Average |
| 3 | 2409.400       | 28.20                    | 5.81                  | 35.70                  | 73.75             | 72.06                         | 54.00              | -18.06         | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

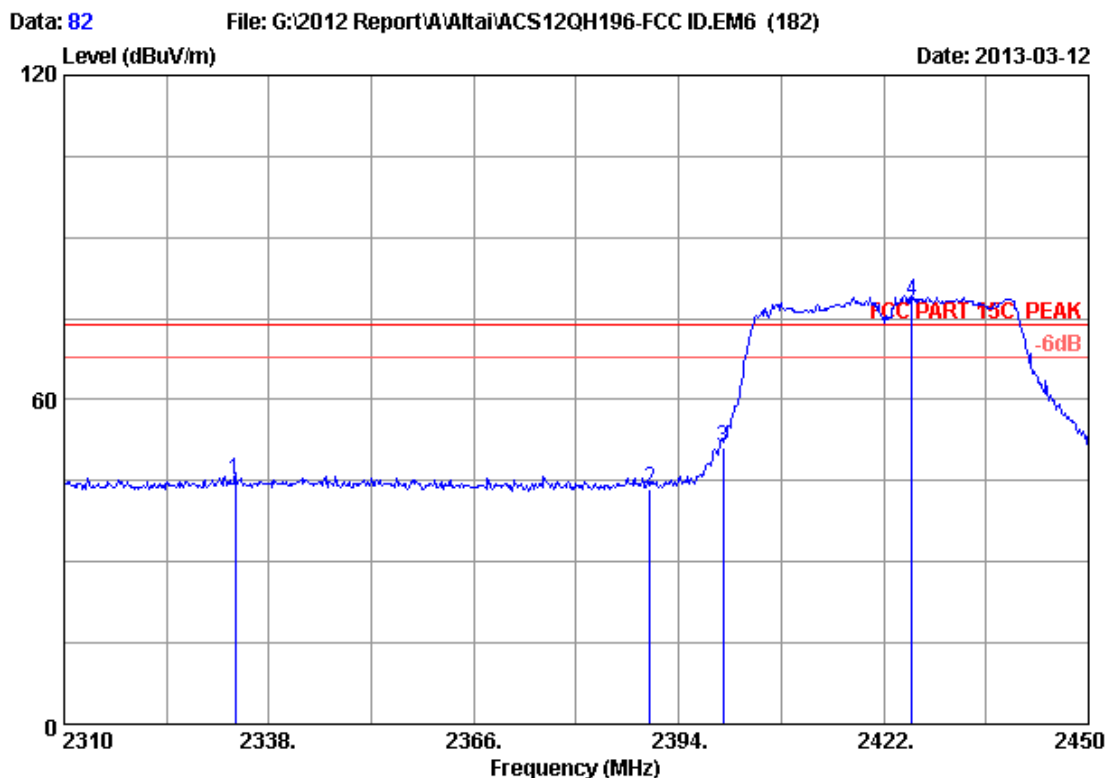


Site no. : 3m Chamber Data no. : 81  
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : A8n Super WiFi Base Station  
Power supply : DC 56V From Adapter Input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 2390.000       | 28.16                    | 5.78                  | 35.70                  | 32.06             | 30.30                         | 54.00              | 23.70          | Average |
| 2 | 2400.000       | 28.18                    | 5.80                  | 35.70                  | 34.29             | 32.57                         | 54.00              | 21.43          | Average |
| 3 | 2428.300       | 28.24                    | 5.84                  | 35.70                  | 66.13             | 64.51                         | 54.00              | -10.51         | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

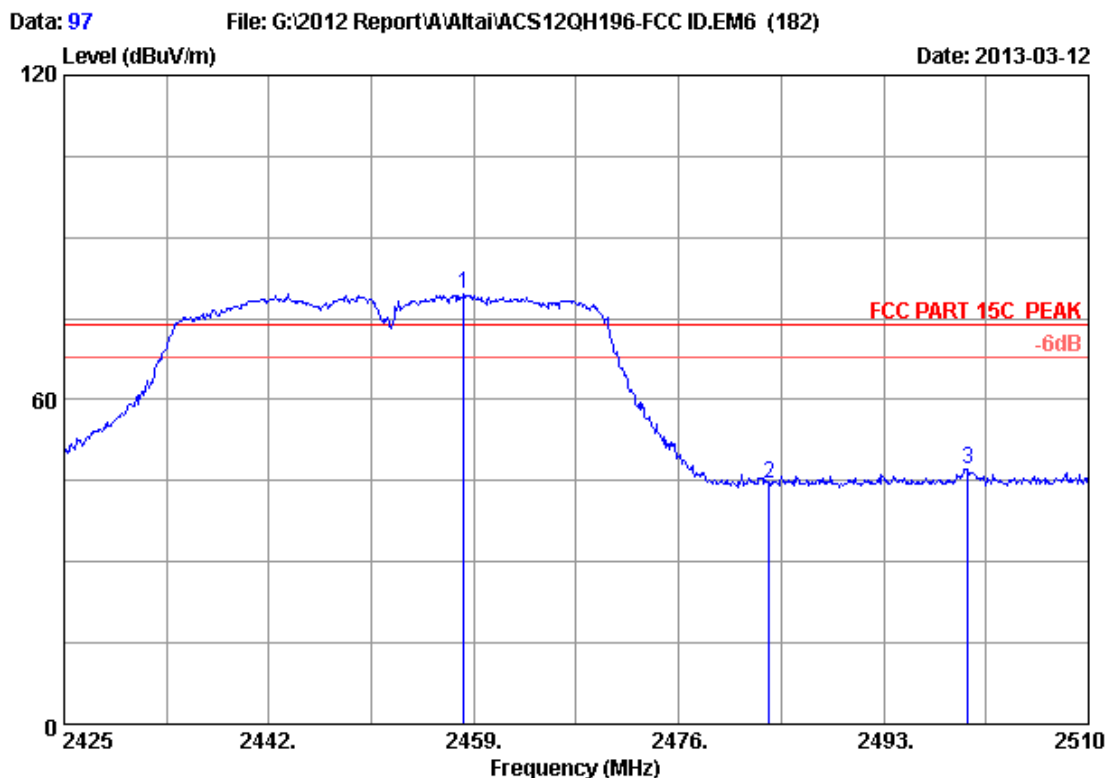


Site no. : 3m Chamber Data no. : 82  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH1 2422MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 2333.380       | 28.03                    | 5.70                  | 35.70                  | 47.10             | 45.13                         | 74.00              | 28.87          | Peak   |
| 2 | 2390.000       | 28.16                    | 5.78                  | 35.70                  | 45.13             | 43.37                         | 74.00              | 30.63          | Peak   |
| 3 | 2400.000       | 28.18                    | 5.80                  | 35.70                  | 52.73             | 51.01                         | 74.00              | 22.99          | Peak   |
| 4 | 2425.920       | 28.24                    | 5.83                  | 35.70                  | 79.69             | 78.06                         | 74.00              | -4.06          | Peak   |

**Remarks:**

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

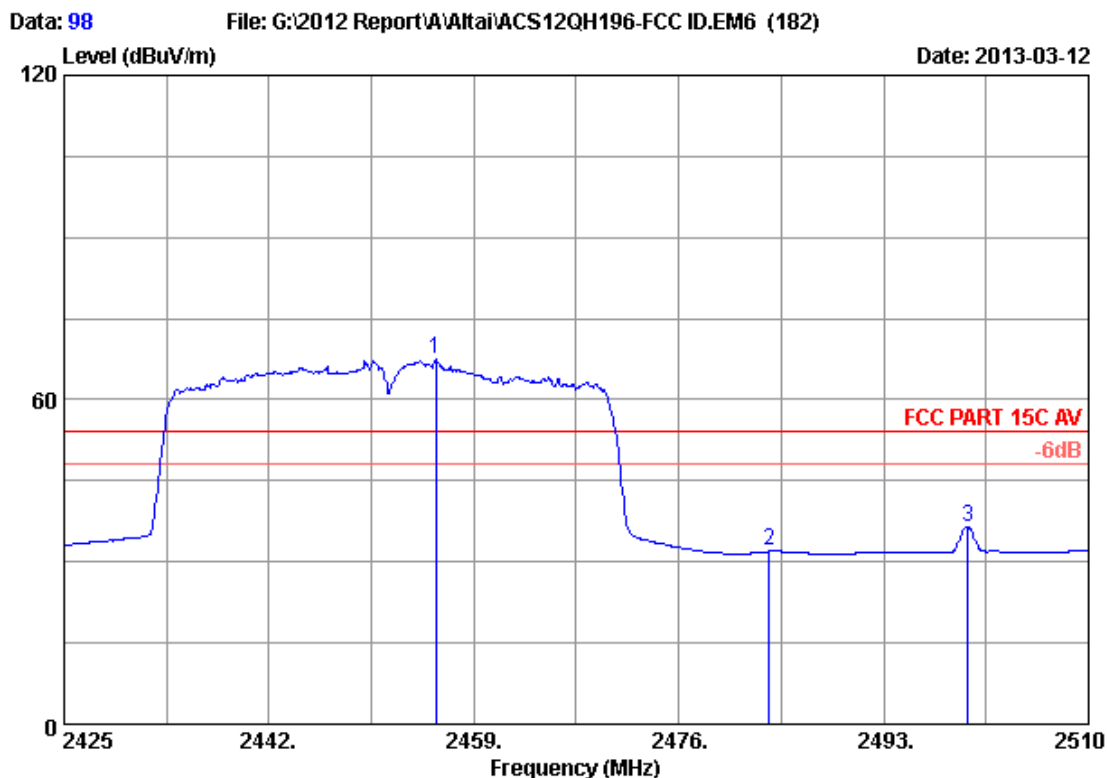


Site no. : 3m Chamber Data no. : 97  
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : A8n Super WiFi Base Station  
Power supply : DC 56V From Adapter Input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 2458.150       | 28.31                    | 5.88                  | 35.70                  | 81.08             | 79.57                         | 74.00              | -5.57          | Peak   |
| 2 | 2483.500       | 28.36                    | 5.92                  | 35.70                  | 45.78             | 44.36                         | 74.00              | 29.64          | Peak   |
| 3 | 2500.000       | 28.40                    | 5.94                  | 35.70                  | 48.51             | 47.15                         | 74.00              | 26.85          | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

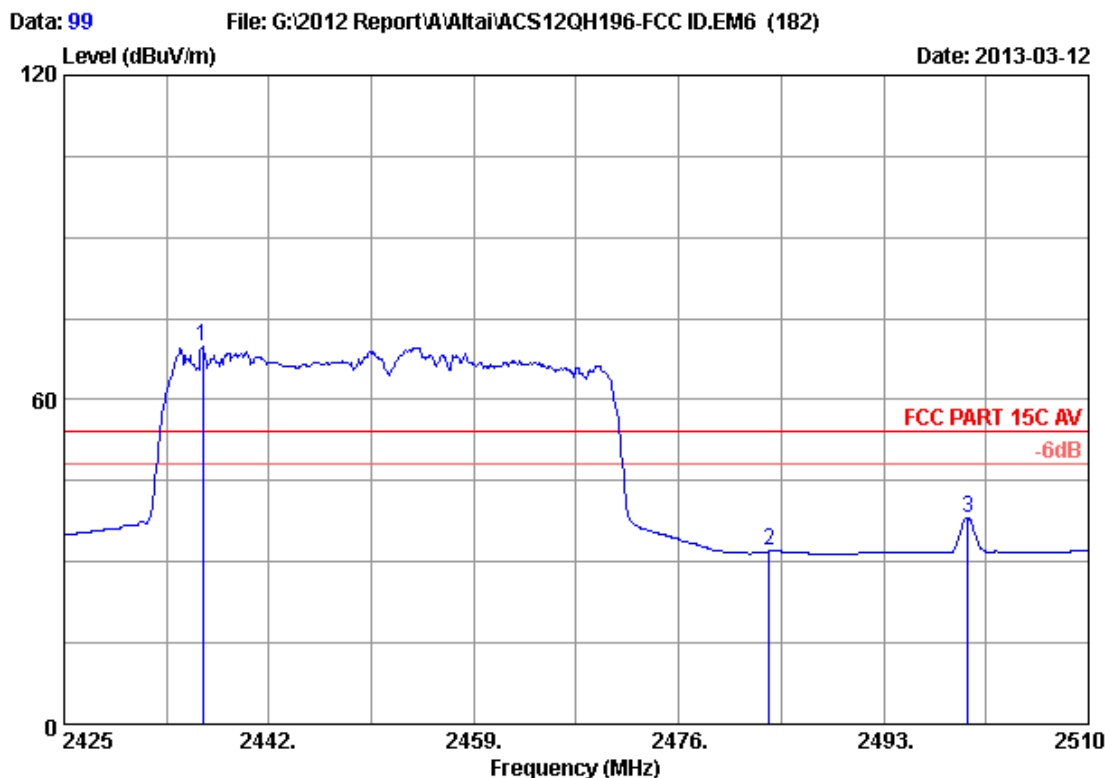


Site no. : 3m Chamber Data no. : 98  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 2455.855       | 28.30                    | 5.88                  | 35.70                  | 69.08             | 67.56                         | 54.00              | -13.56         | Average |
| 2 | 2483.500       | 28.36                    | 5.92                  | 35.70                  | 33.35             | 31.93                         | 54.00              | 22.07          | Average |
| 3 | 2500.000       | 28.40                    | 5.94                  | 35.70                  | 37.80             | 36.44                         | 54.00              | 17.56          | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

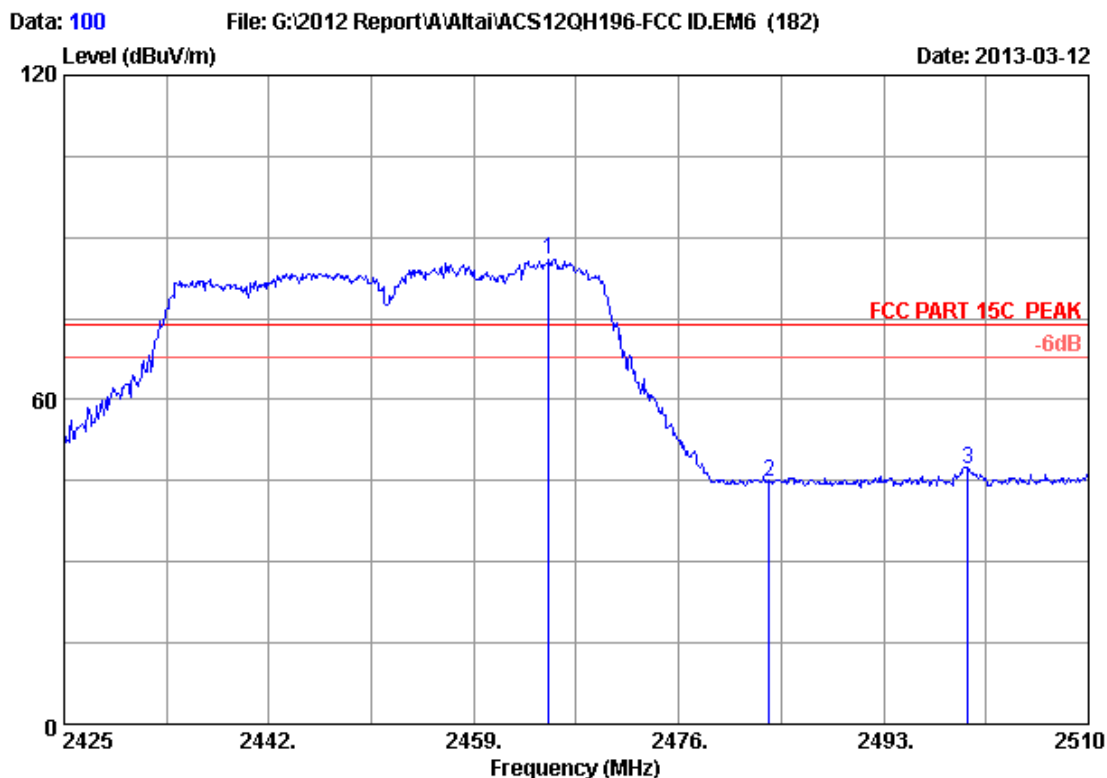


Site no. : 3m Chamber Data no. : 99  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 2436.475       | 28.26                    | 5.85                  | 35.70                  | 71.59             | 70.00                         | 54.00              | -16.00         | Average |
| 2 | 2483.500       | 28.36                    | 5.92                  | 35.70                  | 33.42             | 32.00                         | 54.00              | 22.00          | Average |
| 3 | 2500.000       | 28.40                    | 5.94                  | 35.70                  | 39.42             | 38.06                         | 54.00              | 15.94          | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



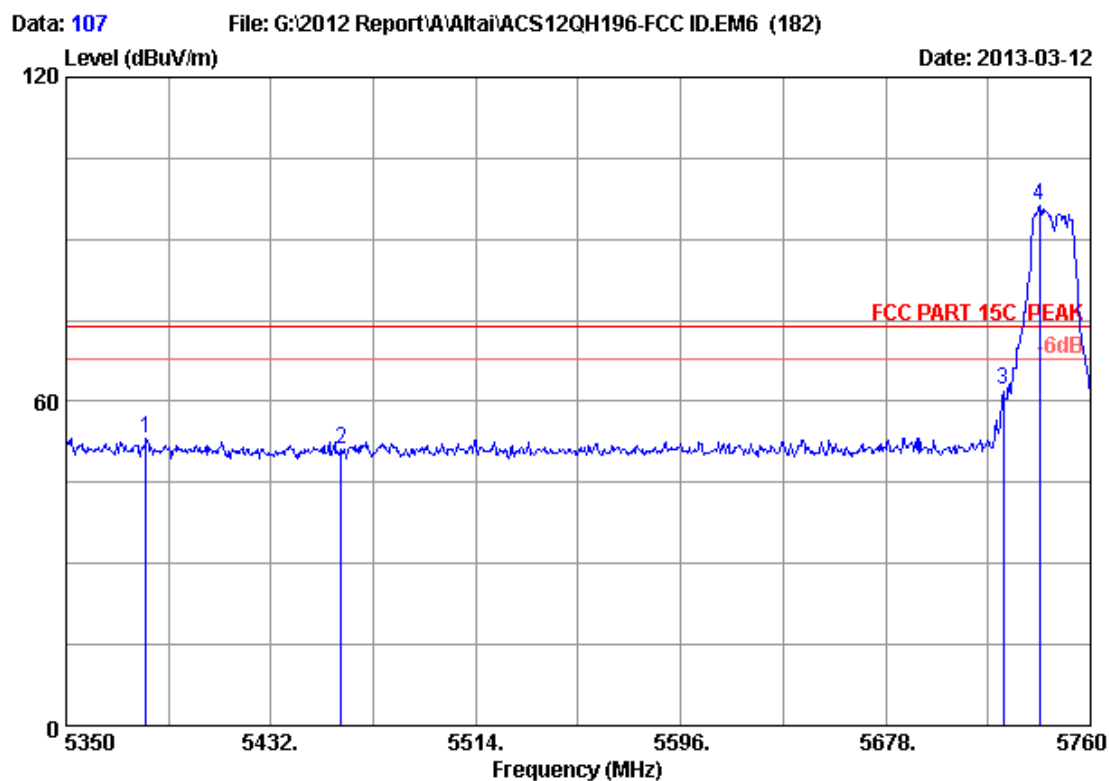
Site no. : 3m Chamber Data no. : 100  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH7 2452MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 2465.205       | 28.32                    | 5.89                  | 35.70                  | 87.37             | 85.88                         | 74.00              | -11.88         | Peak   |
| 2 | 2483.500       | 28.36                    | 5.92                  | 35.70                  | 46.33             | 44.91                         | 74.00              | 29.09          | Peak   |
| 3 | 2500.000       | 28.40                    | 5.94                  | 35.70                  | 48.48             | 47.12                         | 74.00              | 26.88          | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

5.8G:

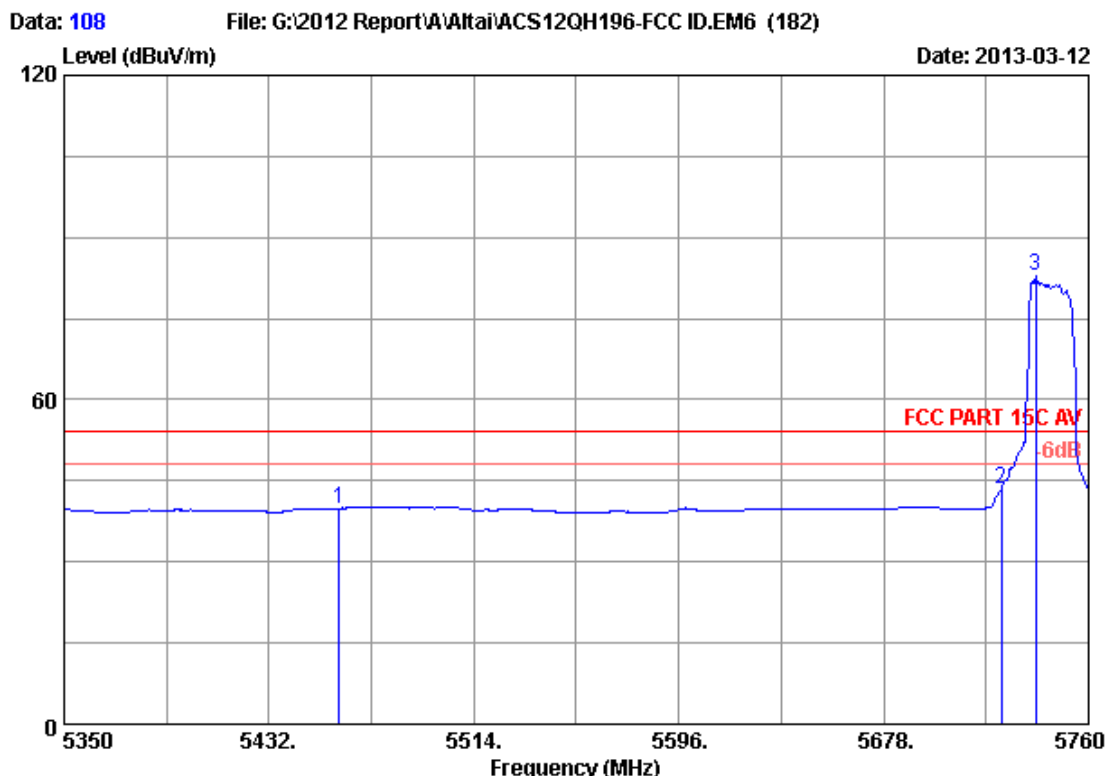


Site no. : 3m Chamber Data no. : 107  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11a CH149 5745MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 5381.980       | 33.81                    | 9.17                  | 35.70                  | 45.86             | 53.14                         | 74.00              | 20.86          | Peak   |
| 2 | 5460.000       | 33.94                    | 9.25                  | 35.70                  | 43.66             | 51.15                         | 74.00              | 22.85          | Peak   |
| 3 | 5725.000       | 34.09                    | 9.52                  | 35.70                  | 54.22             | 62.13                         | 74.00              | 11.87          | Peak   |
| 4 | 5739.500       | 34.10                    | 9.54                  | 35.70                  | 88.41             | 96.35                         | 74.00              | -22.35         | Peak   |

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

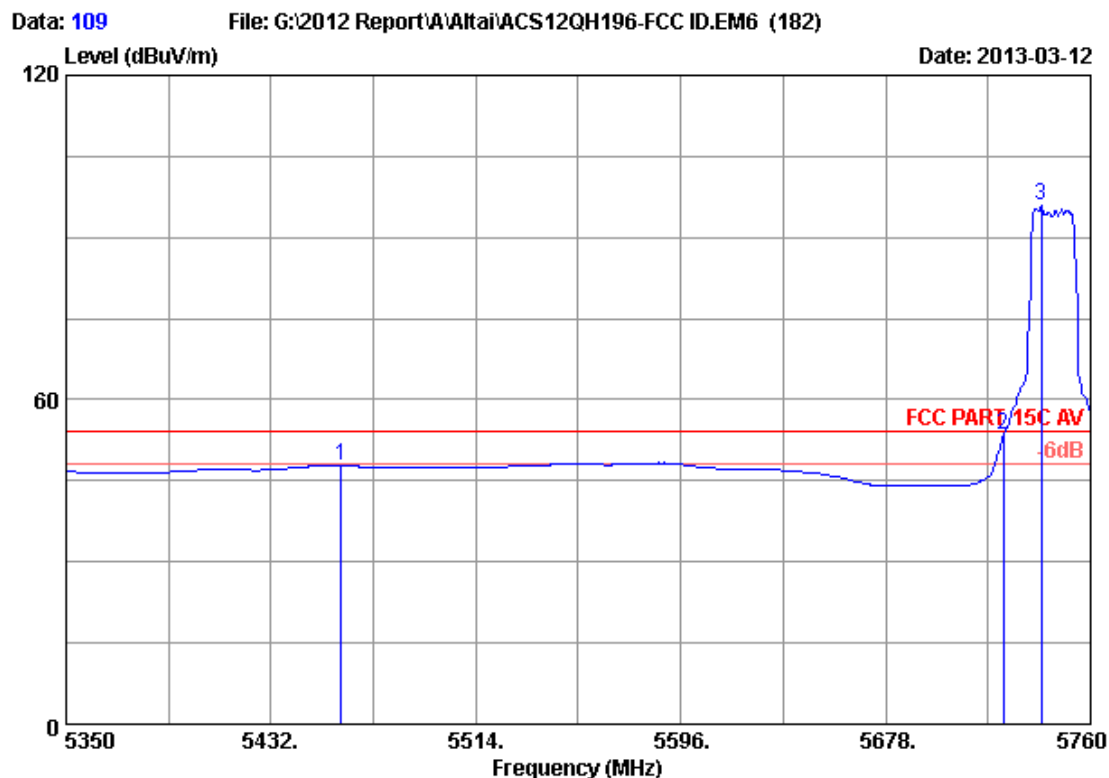


Site no. : 3m Chamber Data no. : 108  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11a CH149 5745MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 5460.000       | 33.94                    | 9.25                  | 35.70                  | 32.44             | 39.93                         | 54.00              | 14.07          | Average |
| 2 | 5725.000       | 34.09                    | 9.52                  | 35.70                  | 35.42             | 43.33                         | 54.00              | 10.67          | Average |
| 3 | 5738.680       | 34.10                    | 9.54                  | 35.70                  | 75.10             | 83.04                         | 54.00              | -29.04         | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

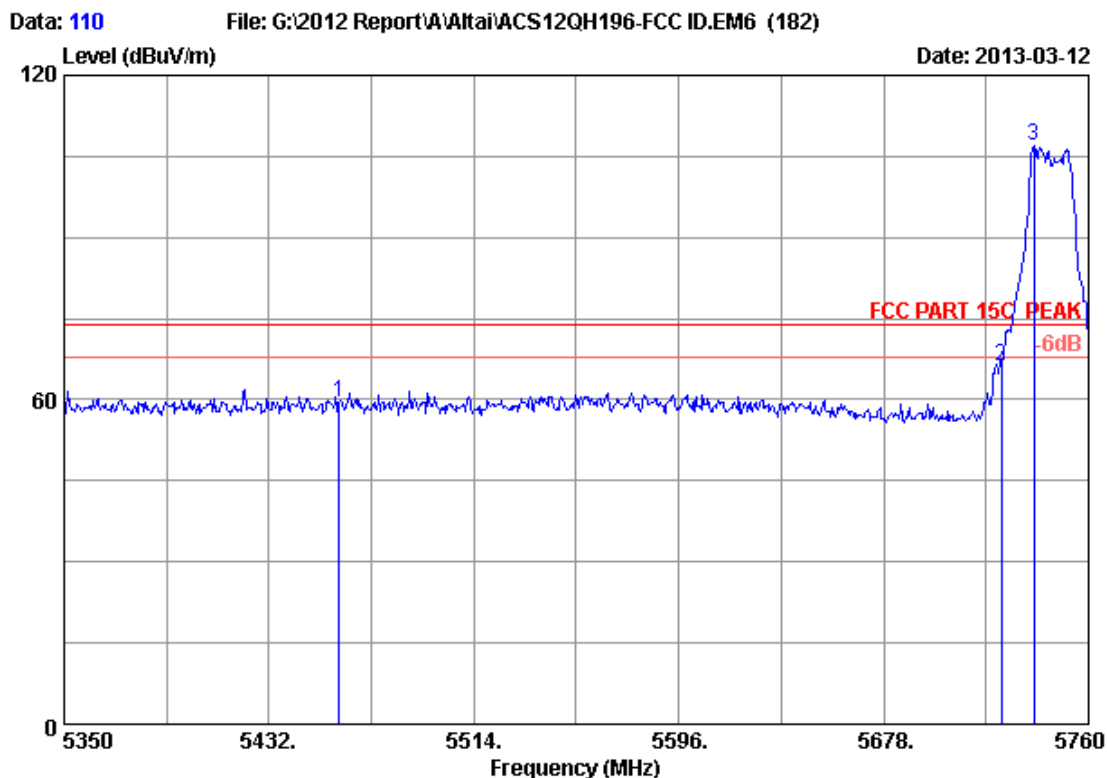


Site no. : 3m Chamber Data no. : 109  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11a CH149 5745MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 5460.000       | 33.94                    | 9.25                  | 35.70                  | 40.24             | 47.73                         | 54.00              | 6.27           | Average |
| 2 | 5725.000       | 34.09                    | 9.52                  | 35.70                  | 45.57             | 53.48                         | 54.00              | 0.52           | Average |
| 3 | 5740.320       | 34.10                    | 9.54                  | 35.70                  | 87.96             | 95.90                         | 54.00              | -41.90         | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

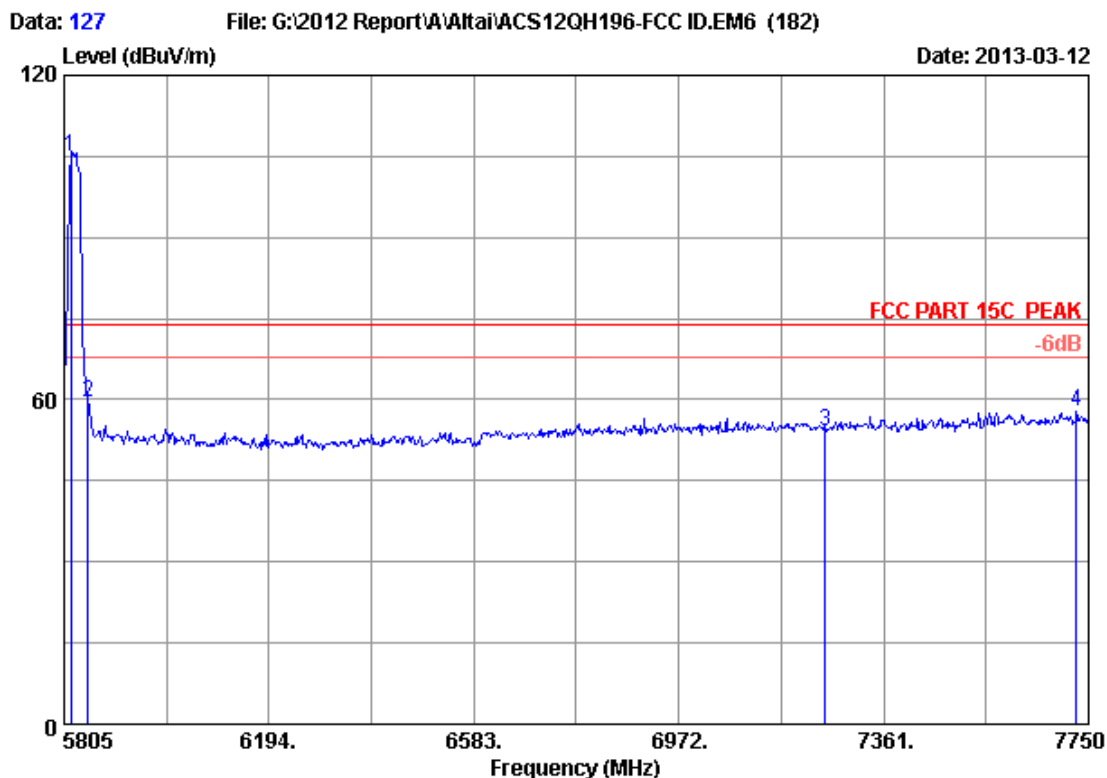


Site no. : 3m Chamber Data no. : 110  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11a CH149 5745MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 5460.000       | 33.94                    | 9.25                  | 35.70                  | 51.88             | 59.37                         | 74.00              | 14.63          | Peak   |
| 2 | 5725.000       | 34.09                    | 9.52                  | 35.70                  | 58.12             | 66.03                         | 74.00              | 7.97           | Peak   |
| 3 | 5738.270       | 34.10                    | 9.54                  | 35.70                  | 98.99             | 106.93                        | 74.00              | -32.93         | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

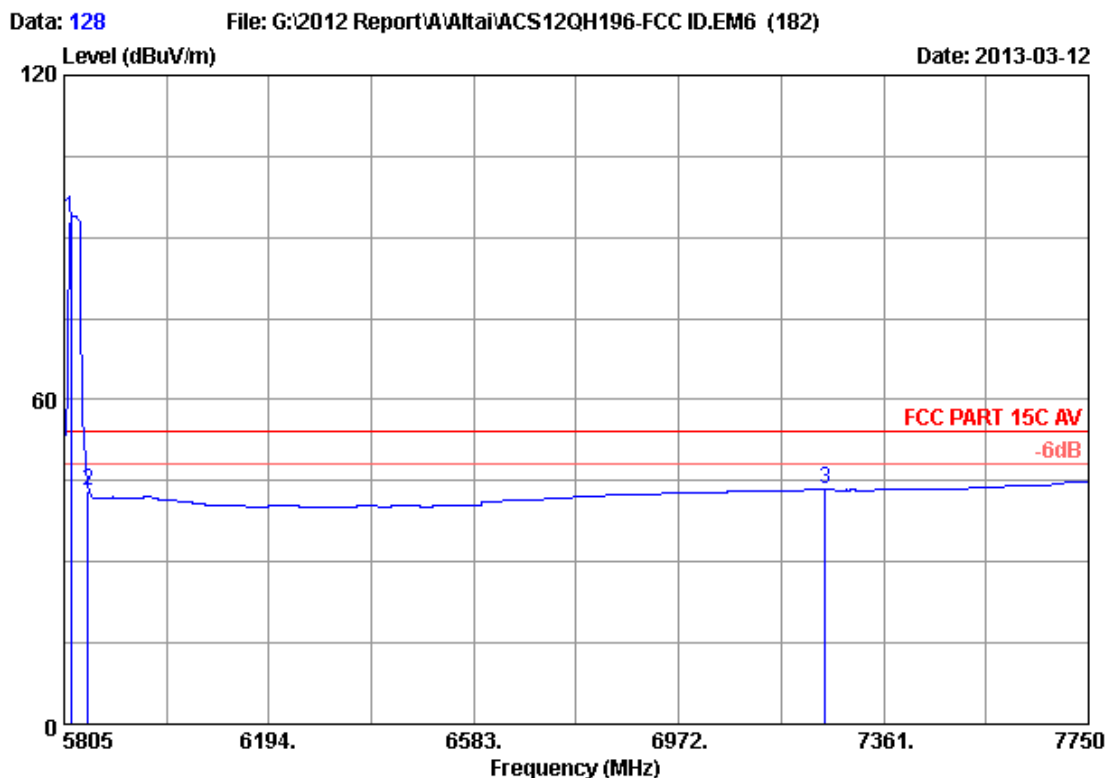


Site no. : 3m Chamber Data no. : 127  
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : ASn Super WiFi Base Station  
Power supply : DC 56V From Adapter Input AC 120V/60Hz  
Test mode : IEEE802.11a CH165 5825MHz Tx  
WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 5818.615       | 34.13                    | 9.62                  | 35.70                  | 96.92             | 104.97                        | 74.00              | -30.97         | Peak   |
| 2 | 5850.000       | 34.14                    | 9.66                  | 35.70                  | 51.26             | 59.36                         | 74.00              | 14.64          | Peak   |
| 3 | 7250.000       | 36.05                    | 10.99                 | 35.45                  | 42.67             | 54.26                         | 74.00              | 19.74          | Peak   |
| 4 | 7726.660       | 36.83                    | 11.24                 | 35.35                  | 45.15             | 57.87                         | 74.00              | 16.13          | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

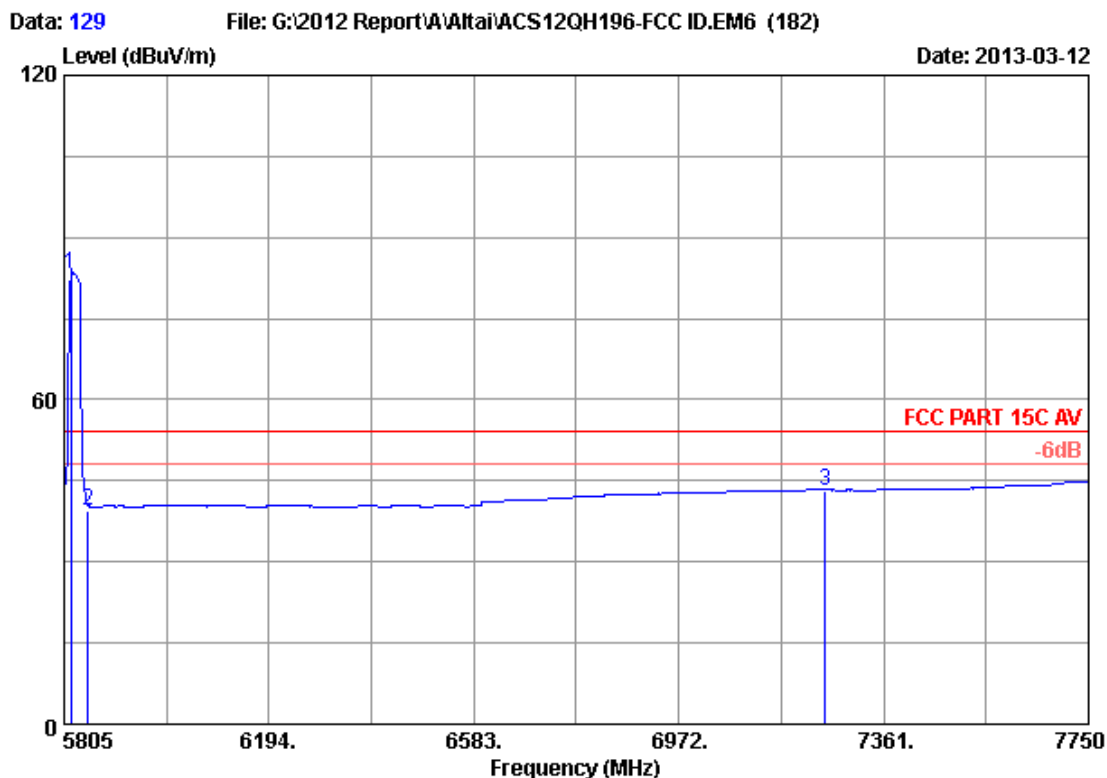


Site no. : 3m Chamber Data no. : 128  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11a CH165 5825MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 5818.615       | 34.13                    | 9.62                  | 35.70                  | 85.68             | 93.73                         | 54.00              | -39.73         | Average |
| 2 | 5850.000       | 34.14                    | 9.66                  | 35.70                  | 35.06             | 43.16                         | 54.00              | 10.84          | Average |
| 3 | 7250.000       | 36.05                    | 10.99                 | 35.45                  | 31.70             | 43.29                         | 54.00              | 10.71          | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

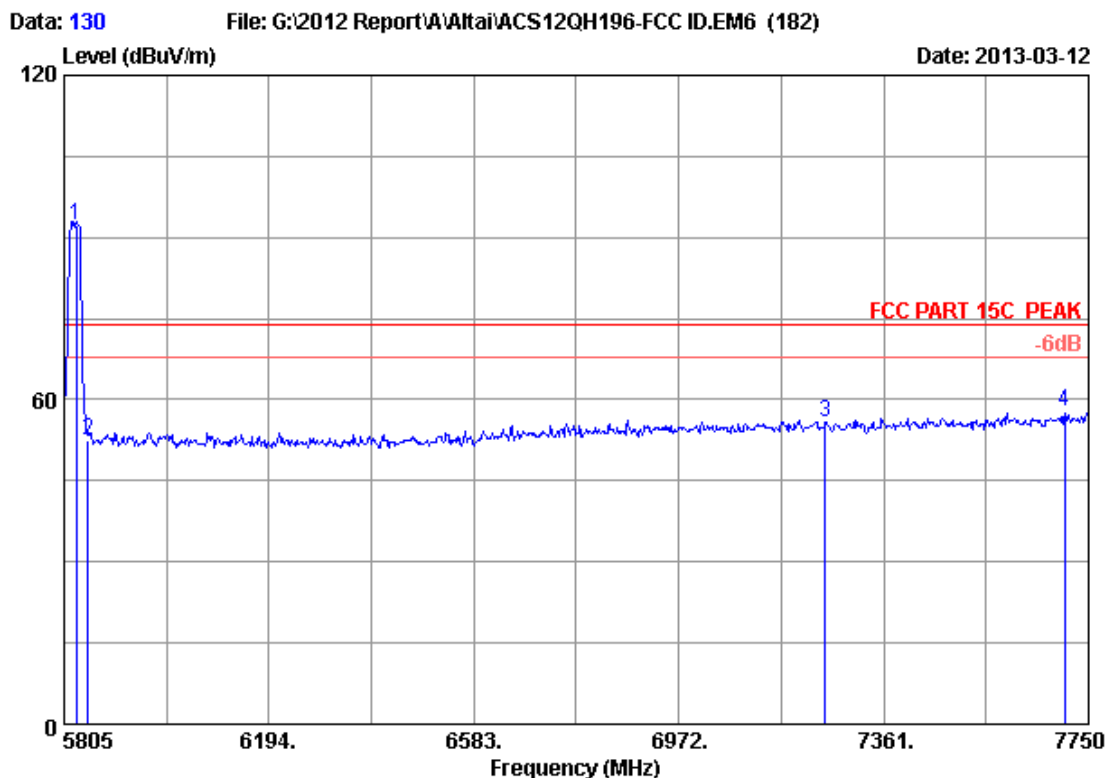


Site no. : 3m Chamber Data no. : 129  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11a CH165 5825MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 5818.615       | 34.13                    | 9.62                  | 35.70                  | 75.20             | 83.25                         | 54.00              | -29.25         | Average |
| 2 | 5850.000       | 34.14                    | 9.66                  | 35.70                  | 31.51             | 39.61                         | 54.00              | 14.39          | Average |
| 3 | 7250.000       | 36.05                    | 10.99                 | 35.45                  | 31.69             | 43.28                         | 54.00              | 10.72          | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

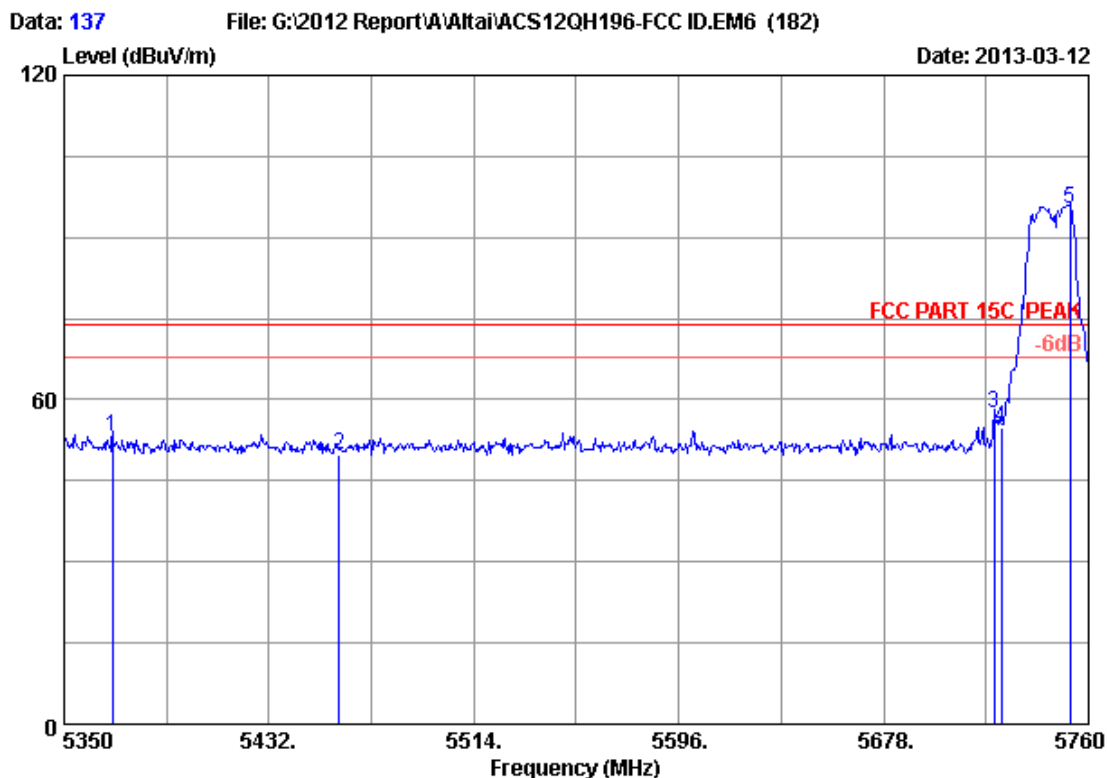


Site no. : 3m Chamber Data no. : 130  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11a CH165 5825MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 5828.340       | 34.13                    | 9.63                  | 35.70                  | 84.12             | 92.18                         | 74.00              | -18.18         | Peak   |
| 2 | 5850.000       | 34.14                    | 9.66                  | 35.70                  | 44.50             | 52.60                         | 74.00              | 21.40          | Peak   |
| 3 | 7250.000       | 36.05                    | 10.99                 | 35.45                  | 44.23             | 55.82                         | 74.00              | 18.18          | Peak   |
| 4 | 7705.265       | 36.81                    | 11.23                 | 35.36                  | 45.03             | 57.71                         | 74.00              | 16.29          | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

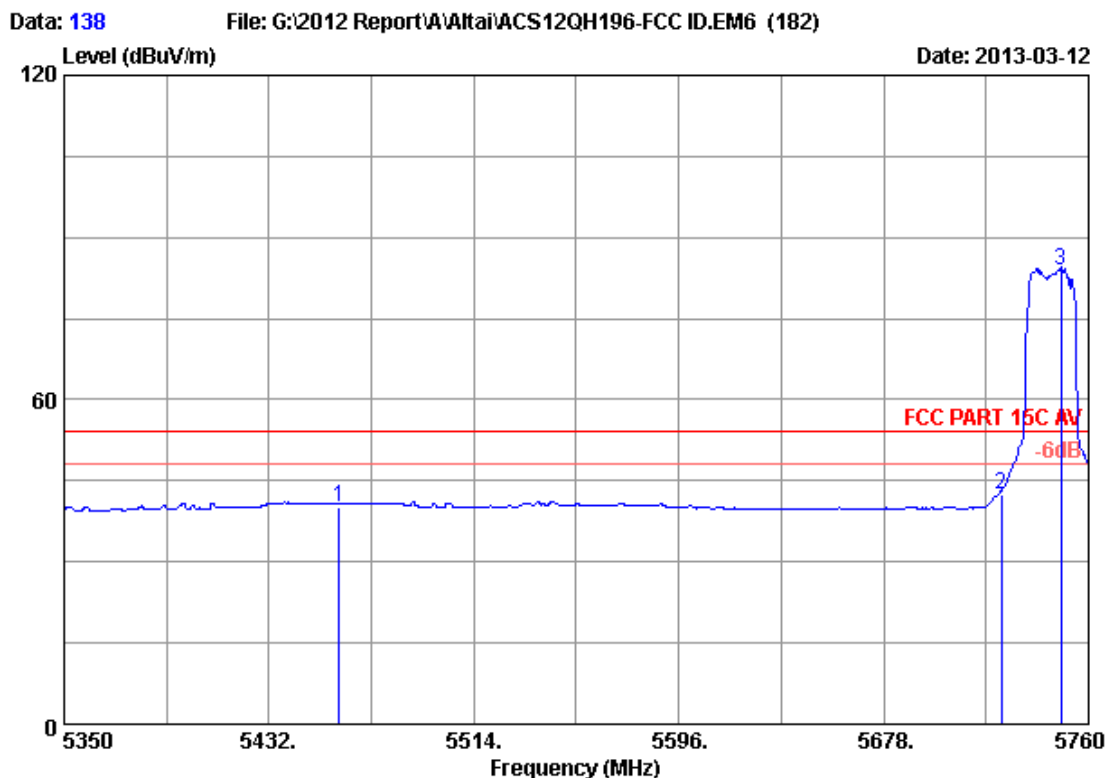


Site no. : 3m Chamber Data no. : 137  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH149 5745MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 5369.270       | 33.79                    | 9.15                  | 35.70                  | 45.91             | 53.15                         | 74.00              | 20.85          | Peak   |
| 2 | 5460.000       | 33.94                    | 9.25                  | 35.70                  | 42.45             | 49.94                         | 74.00              | 24.06          | Peak   |
| 3 | 5722.280       | 34.09                    | 9.52                  | 35.70                  | 49.50             | 57.41                         | 74.00              | 16.59          | Peak   |
| 4 | 5725.000       | 34.09                    | 9.52                  | 35.70                  | 46.82             | 54.73                         | 74.00              | 19.27          | Peak   |
| 5 | 5752.620       | 34.10                    | 9.55                  | 35.70                  | 87.33             | 95.28                         | 74.00              | -21.28         | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

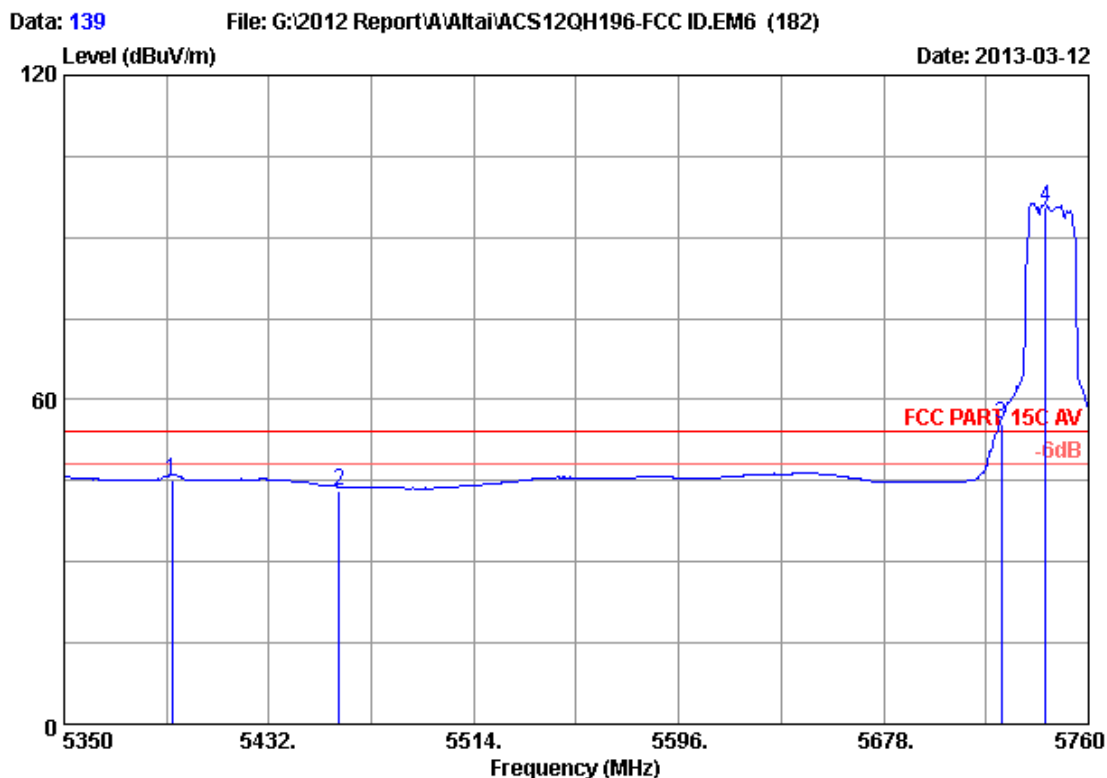


Site no. : 3m Chamber Data no. : 138  
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : A8n Super WiFi Base Station  
Power supply : DC 56V From Adapter Input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH149 5745MHz Tx  
WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 5460.000       | 33.94                    | 9.25                  | 35.70                  | 32.50             | 39.99                         | 54.00              | 14.01          | Average |
| 2 | 5725.000       | 34.09                    | 9.52                  | 35.70                  | 34.44             | 42.35                         | 54.00              | 11.65          | Average |
| 3 | 5748.930       | 34.10                    | 9.55                  | 35.70                  | 75.84             | 83.79                         | 54.00              | -29.79         | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

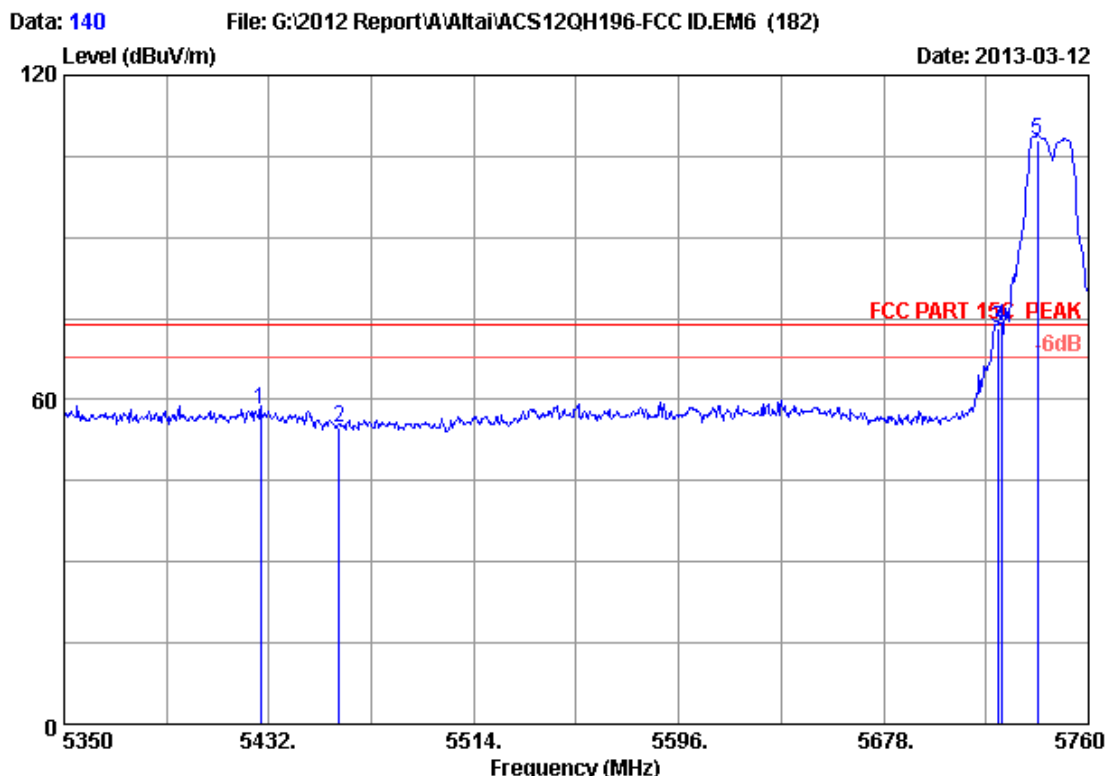


Site no. : 3m Chamber Data no. : 139  
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : A8n Super WiFi Base Station  
Power supply : DC 56V From Adapter Input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH149 5745MHz Tx  
WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 5393.050       | 33.83                    | 9.18                  | 35.70                  | 37.90             | 45.21                         | 54.00              | 8.79           | Average |
| 2 | 5460.000       | 33.94                    | 9.25                  | 35.70                  | 35.58             | 43.07                         | 54.00              | 10.93          | Average |
| 3 | 5725.000       | 34.09                    | 9.52                  | 35.70                  | 47.70             | 55.61                         | 54.00              | -1.61          | Average |
| 4 | 5742.780       | 34.10                    | 9.54                  | 35.70                  | 87.71             | 95.65                         | 54.00              | -41.65         | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

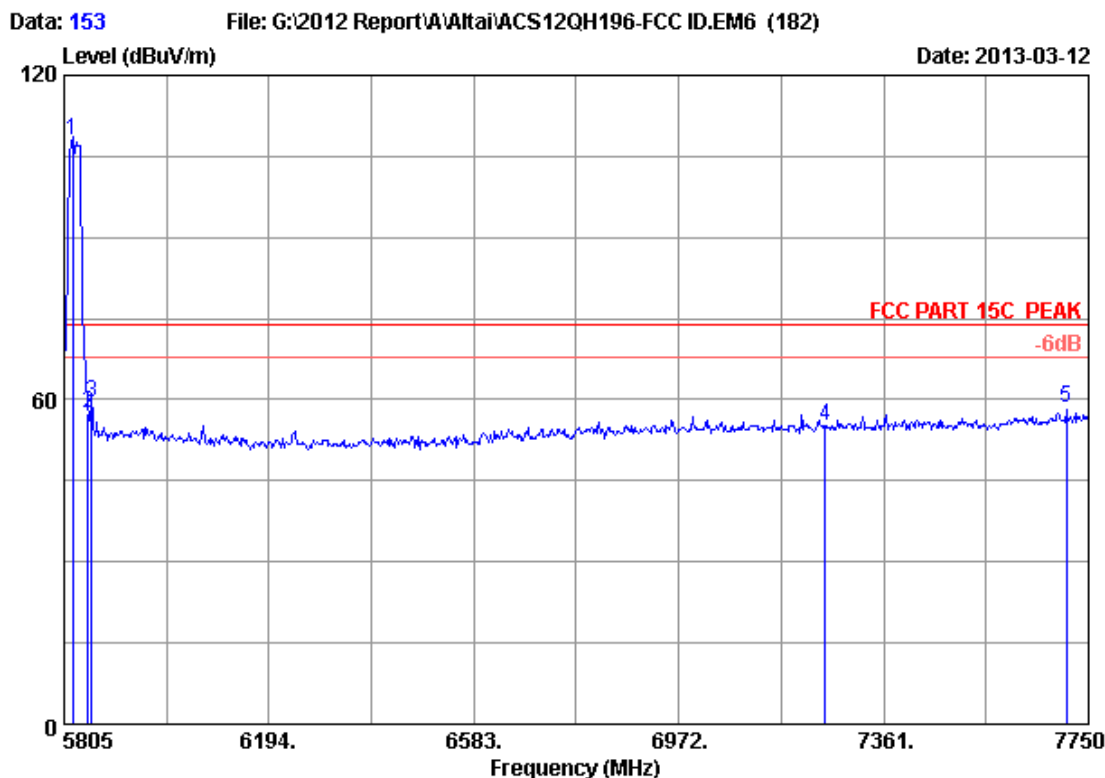


Site no. : 3m Chamber Data no. : 140  
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PEAK  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : A8n Super WiFi Base Station  
Power supply : DC 56V From Adapter Input AC 120V/60Hz  
Test mode : IEEE802.11nHT20 CH149 5745MHz Tx  
WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 5428.720       | 33.89                    | 9.21                  | 35.70                  | 50.73             | 58.13                         | 74.00              | 15.87          | Peak   |
| 2 | 5460.000       | 33.94                    | 9.25                  | 35.70                  | 47.22             | 54.71                         | 74.00              | 19.29          | Peak   |
| 3 | 5723.510       | 34.09                    | 9.52                  | 35.70                  | 65.23             | 73.14                         | 74.00              | 0.86           | Peak   |
| 4 | 5725.000       | 34.09                    | 9.52                  | 35.70                  | 65.51             | 73.42                         | 74.00              | 0.58           | Peak   |
| 5 | 5739.500       | 34.10                    | 9.54                  | 35.70                  | 100.11            | 108.05                        | 74.00              | -34.05         | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

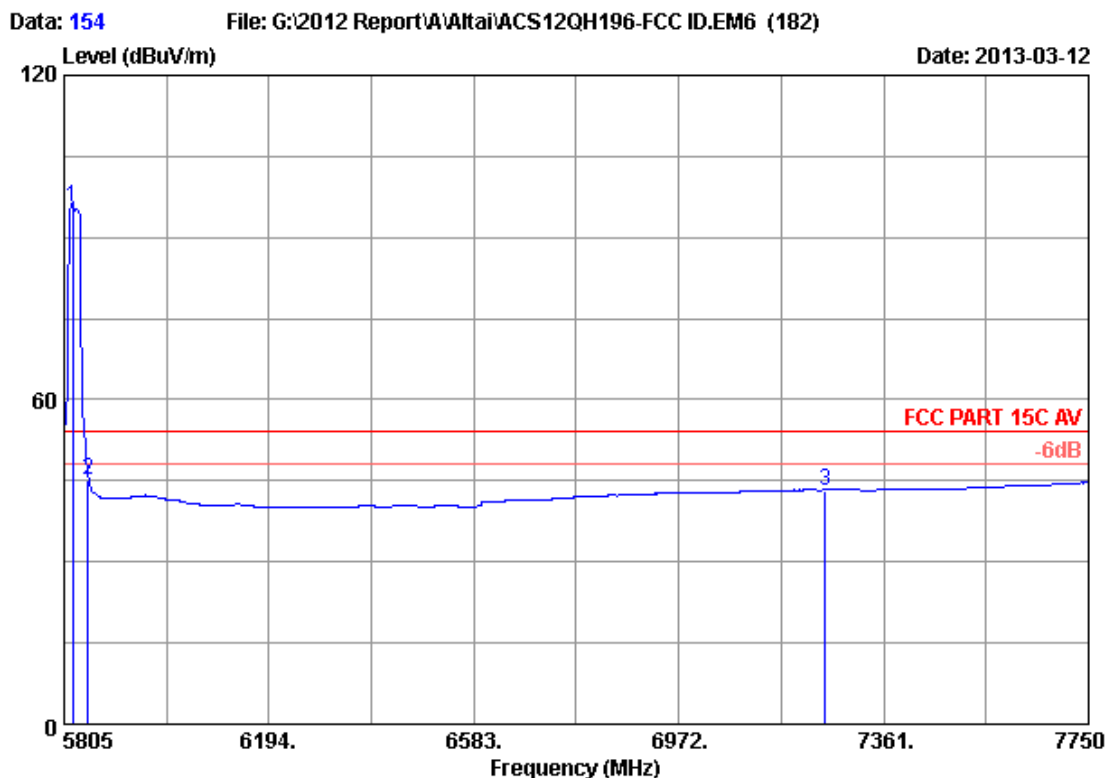


Site no. : 3m Chamber Data no. : 153  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : ASn Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH165 5825MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 5820.560       | 34.13                    | 9.62                  | 35.70                  | 99.78             | 107.83                        | 74.00              | -33.83         | Peak   |
| 2 | 5850.000       | 34.14                    | 9.66                  | 35.70                  | 49.50             | 57.60                         | 74.00              | 16.40          | Peak   |
| 3 | 5857.515       | 34.14                    | 9.66                  | 35.70                  | 51.49             | 59.59                         | 74.00              | 14.41          | Peak   |
| 4 | 7250.000       | 36.05                    | 10.99                 | 35.45                  | 43.58             | 55.17                         | 74.00              | 18.83          | Peak   |
| 5 | 7707.210       | 36.81                    | 11.23                 | 35.36                  | 45.80             | 58.48                         | 74.00              | 15.52          | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

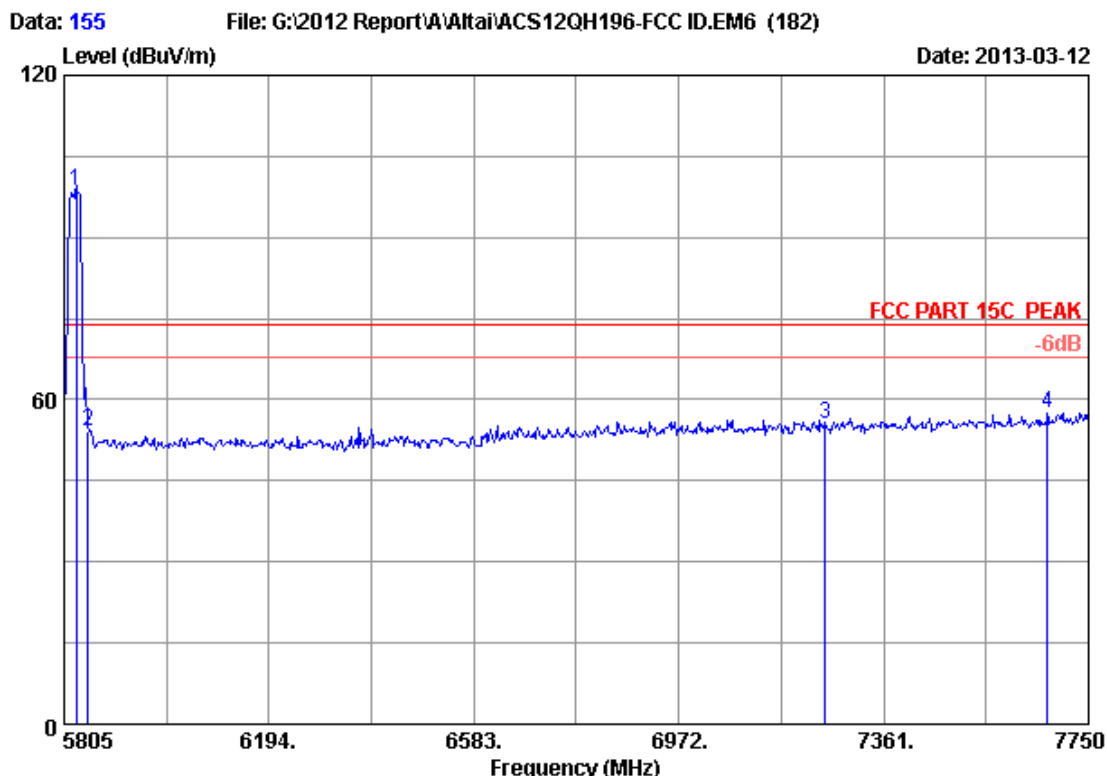


Site no. : 3m Chamber Data no. : 154  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH165 5825MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 5820.560       | 34.13                    | 9.62                  | 35.70                  | 87.59             | 95.64                         | 54.00              | -41.64         | Average |
| 2 | 5850.000       | 34.14                    | 9.66                  | 35.70                  | 37.12             | 45.22                         | 54.00              | 8.78           | Average |
| 3 | 7250.000       | 36.05                    | 10.99                 | 35.45                  | 31.69             | 43.28                         | 54.00              | 10.72          | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

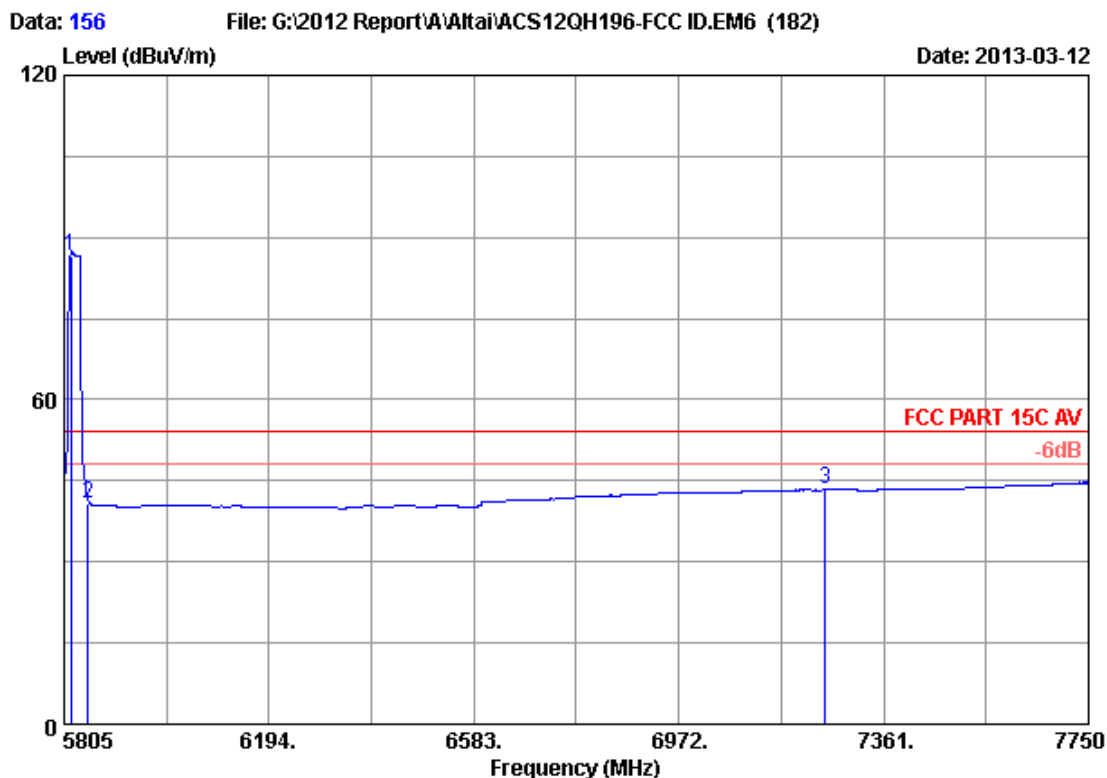


Site no. : 3m Chamber Data no. : 155  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH165 5825MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 5828.340       | 34.13                    | 9.63                  | 35.70                  | 90.69             | 98.75                         | 74.00              | -24.75         | Peak   |
| 2 | 5850.000       | 34.14                    | 9.66                  | 35.70                  | 46.17             | 54.27                         | 74.00              | 19.73          | Peak   |
| 3 | 7250.000       | 36.05                    | 10.99                 | 35.45                  | 44.05             | 55.64                         | 74.00              | 18.36          | Peak   |
| 4 | 7672.200       | 36.77                    | 11.21                 | 35.37                  | 45.03             | 57.64                         | 74.00              | 16.36          | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

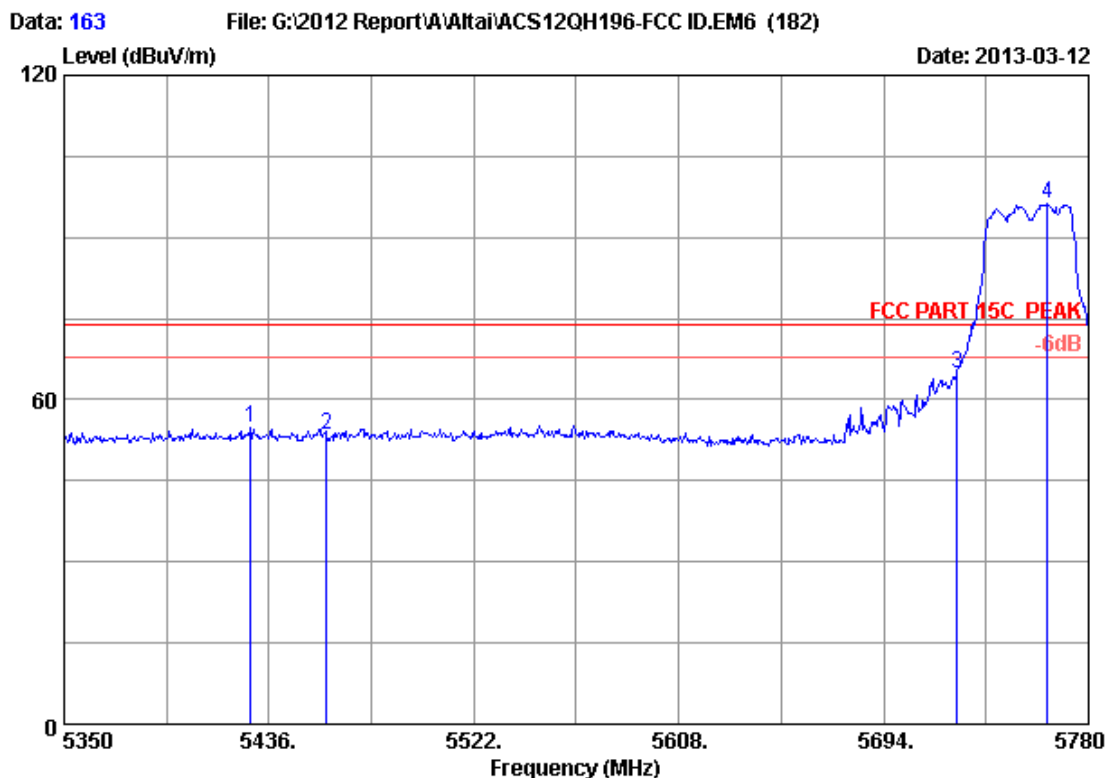


Site no. : 3m Chamber Data no. : 156  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT20 CH165 5825MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 5818.615       | 34.13                    | 9.62                  | 35.70                  | 78.60             | 86.65                         | 54.00              | -32.65         | Average |
| 2 | 5850.000       | 34.14                    | 9.66                  | 35.70                  | 32.72             | 40.82                         | 54.00              | 13.18          | Average |
| 3 | 7250.000       | 36.05                    | 10.99                 | 35.45                  | 31.71             | 43.30                         | 54.00              | 10.70          | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

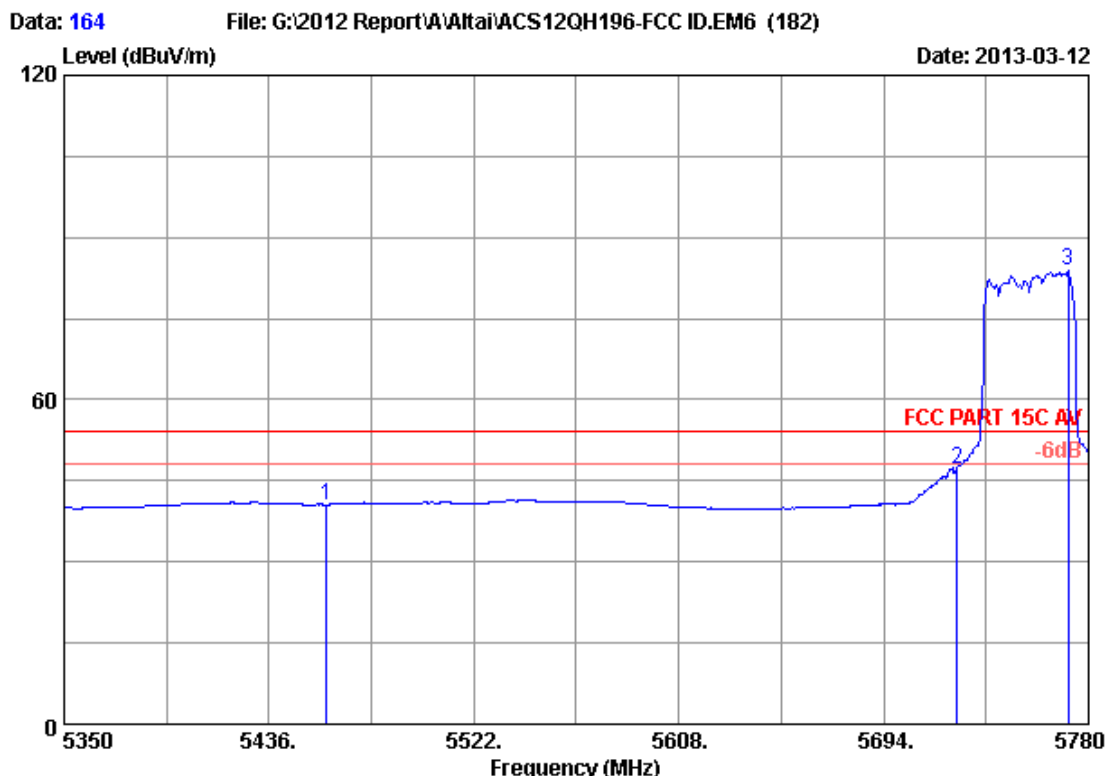


Site no. : 3m Chamber Data no. : 163  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH151 5755MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 5428.260       | 33.89                    | 9.21                  | 35.70                  | 47.31             | 54.71                         | 74.00              | 19.29          | Peak   |
| 2 | 5460.000       | 33.94                    | 9.25                  | 35.70                  | 45.97             | 53.46                         | 74.00              | 20.54          | Peak   |
| 3 | 5725.000       | 34.09                    | 9.52                  | 35.70                  | 56.92             | 64.83                         | 74.00              | 9.17           | Peak   |
| 4 | 5762.800       | 34.11                    | 9.56                  | 35.70                  | 88.17             | 96.14                         | 74.00              | -22.14         | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

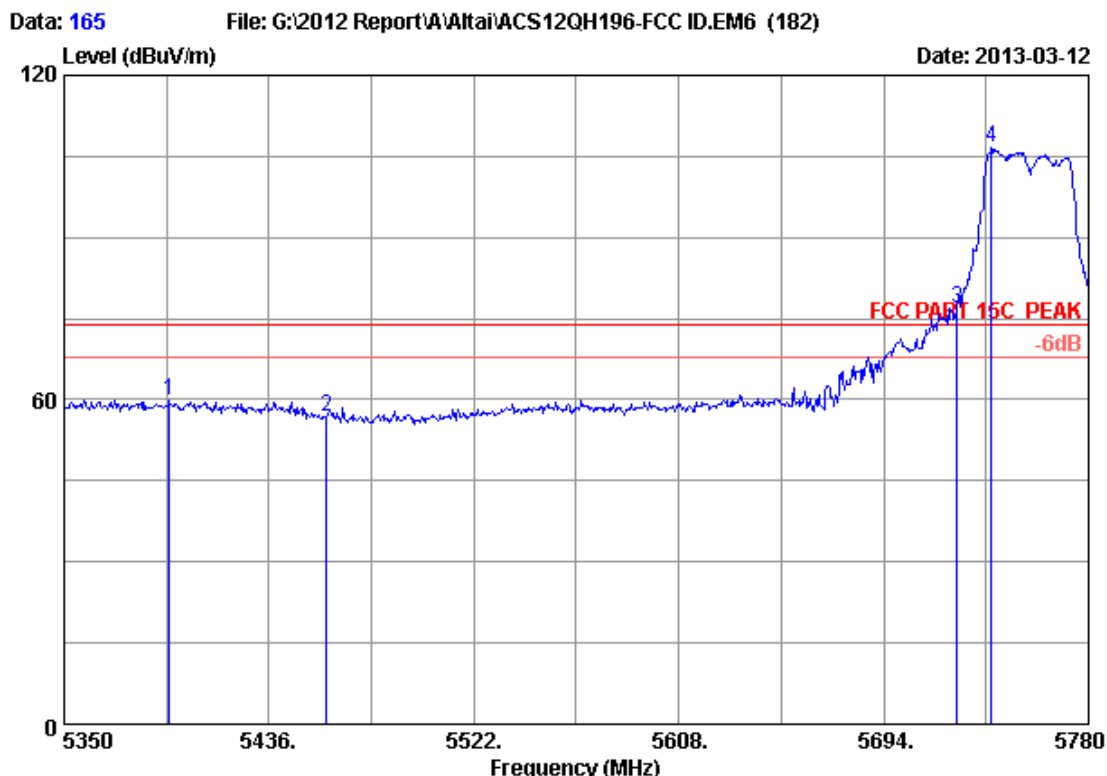


Site no. : 3m Chamber Data no. : 164  
Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
Limit : FCC PART 15C AV  
Env. / Ins. : 23°C/54% Engineer : Leo-Li  
EUT : A8n Super WiFi Base Station  
Power supply : DC 56V From Adapter Input AC 120V/60Hz  
Test mode : IEEE802.11nHT40 CH151 5755MHz Tx  
WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 5460.000       | 33.94                    | 9.25                  | 35.70                  | 33.11             | 40.60                         | 54.00              | 13.40          | Average |
| 2 | 5725.000       | 34.09                    | 9.52                  | 35.70                  | 39.22             | 47.13                         | 54.00              | 6.87           | Average |
| 3 | 5771.400       | 34.11                    | 9.57                  | 35.70                  | 75.96             | 83.94                         | 54.00              | -29.94         | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

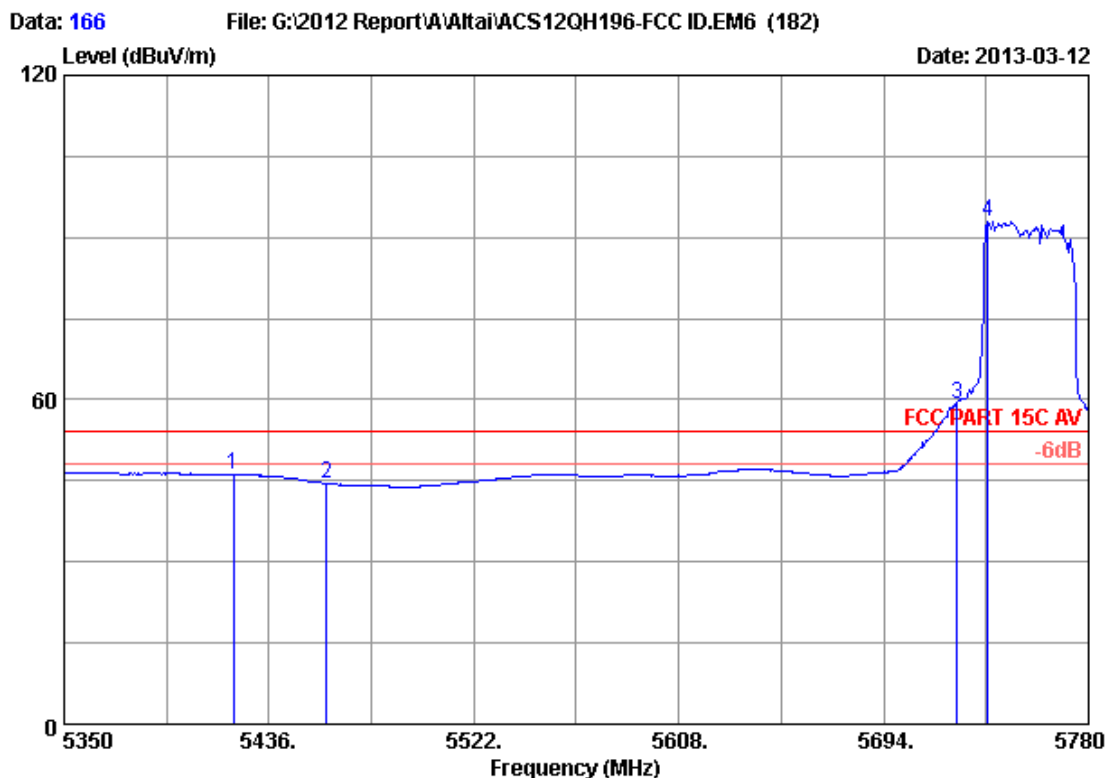


Site no. : 3m Chamber Data no. : 165  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH151 5755MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 5394.290       | 33.83                    | 9.18                  | 35.70                  | 52.57             | 59.88                         | 74.00              | 14.12          | Peak   |
| 2 | 5460.000       | 33.94                    | 9.25                  | 35.70                  | 49.50             | 56.99                         | 74.00              | 17.01          | Peak   |
| 3 | 5725.000       | 34.09                    | 9.52                  | 35.70                  | 68.95             | 76.86                         | 74.00              | -2.86          | Peak   |
| 4 | 5739.150       | 34.10                    | 9.54                  | 35.70                  | 98.57             | 106.51                        | 74.00              | -32.51         | Peak   |

**Remarks:**

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

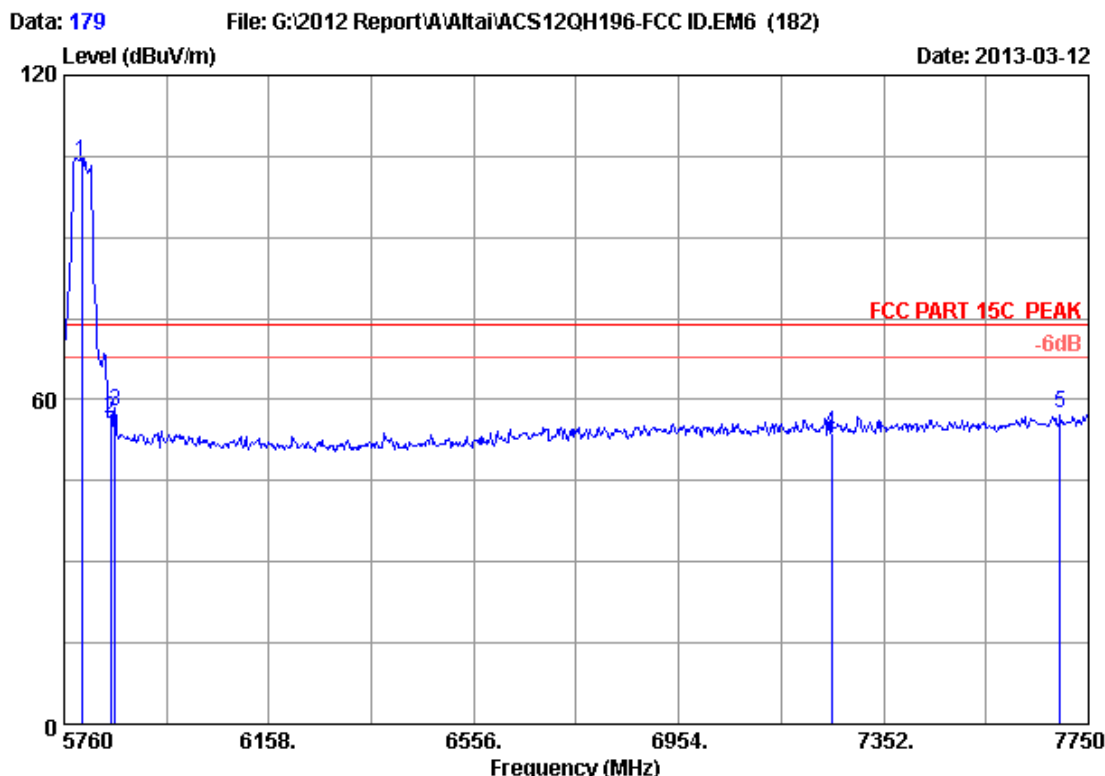


Site no. : 3m Chamber Data no. : 166  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH151 5755MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 5420.950       | 33.87                    | 9.21                  | 35.70                  | 38.78             | 46.16                         | 54.00              | 7.84           | Average |
| 2 | 5460.000       | 33.94                    | 9.25                  | 35.70                  | 36.98             | 44.47                         | 54.00              | 9.53           | Average |
| 3 | 5725.000       | 34.09                    | 9.52                  | 35.70                  | 51.31             | 59.22                         | 54.00              | -5.22          | Average |
| 4 | 5737.860       | 34.10                    | 9.54                  | 35.70                  | 85.09             | 93.03                         | 54.00              | -39.03         | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

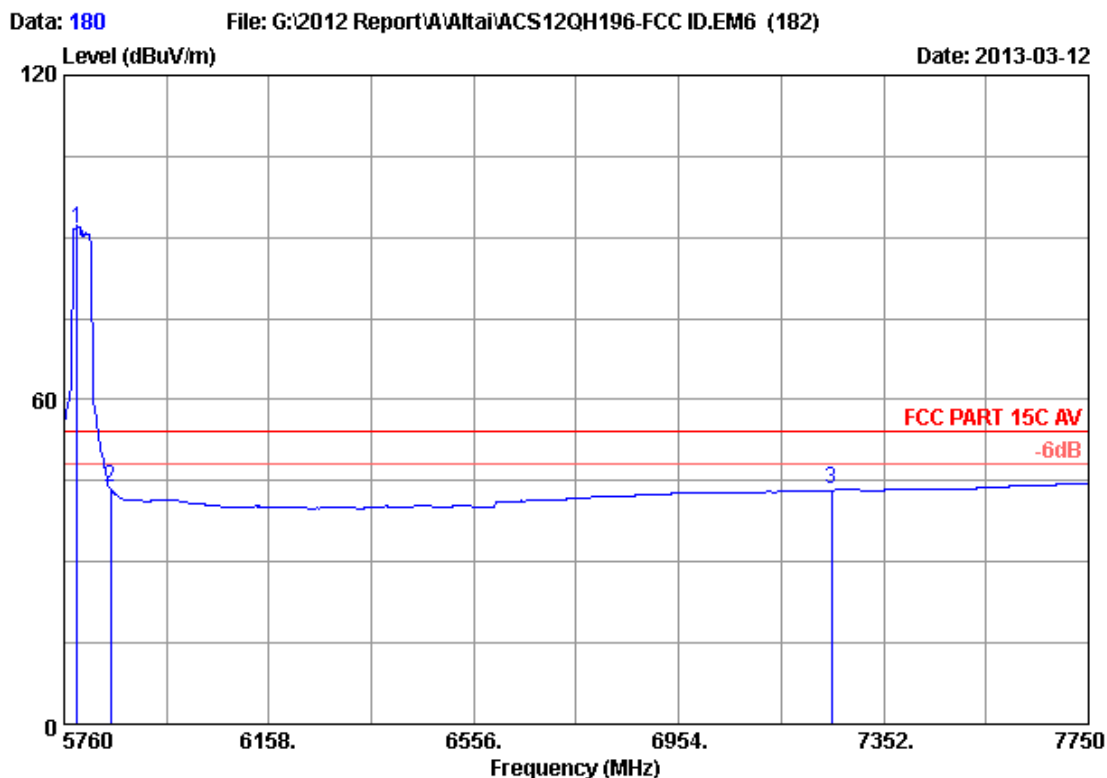


Site no. : 3m Chamber Data no. : 179  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH159 5795MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 5793.830       | 34.12                    | 9.60                  | 35.70                  | 95.93             | 103.95                        | 74.00              | -29.95         | Peak   |
| 2 | 5850.000       | 34.14                    | 9.66                  | 35.70                  | 48.26             | 56.36                         | 74.00              | 17.64          | Peak   |
| 3 | 5859.500       | 34.14                    | 9.67                  | 35.70                  | 49.73             | 57.84                         | 74.00              | 16.16          | Peak   |
| 4 | 7250.000       | 36.05                    | 10.99                 | 35.45                  | 42.29             | 53.88                         | 74.00              | 20.12          | Peak   |
| 5 | 7694.280       | 36.79                    | 11.22                 | 35.36                  | 44.68             | 57.33                         | 74.00              | 16.67          | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

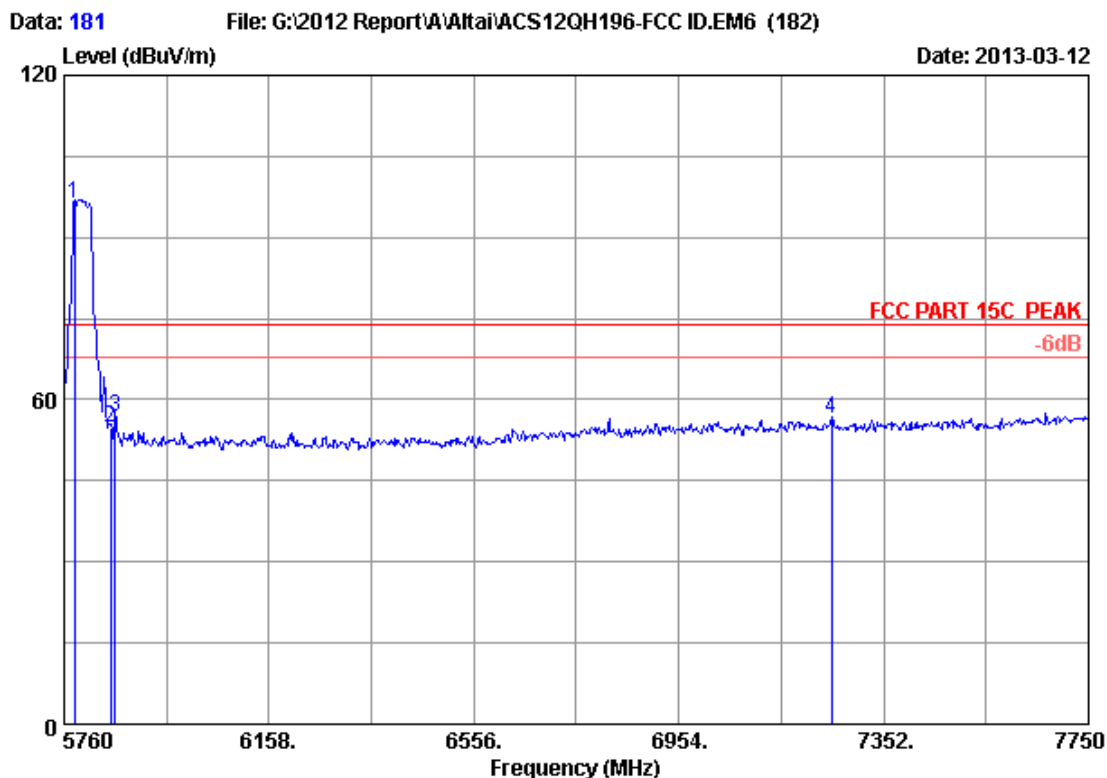


Site no. : 3m Chamber Data no. : 180  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH159 5795MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 5785.870       | 34.11                    | 9.59                  | 35.70                  | 83.46             | 91.46                         | 54.00              | -37.46         | Average |
| 2 | 5850.000       | 34.14                    | 9.66                  | 35.70                  | 35.67             | 43.77                         | 54.00              | 10.23          | Average |
| 3 | 7250.000       | 36.05                    | 10.99                 | 35.45                  | 31.84             | 43.43                         | 54.00              | 10.57          | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

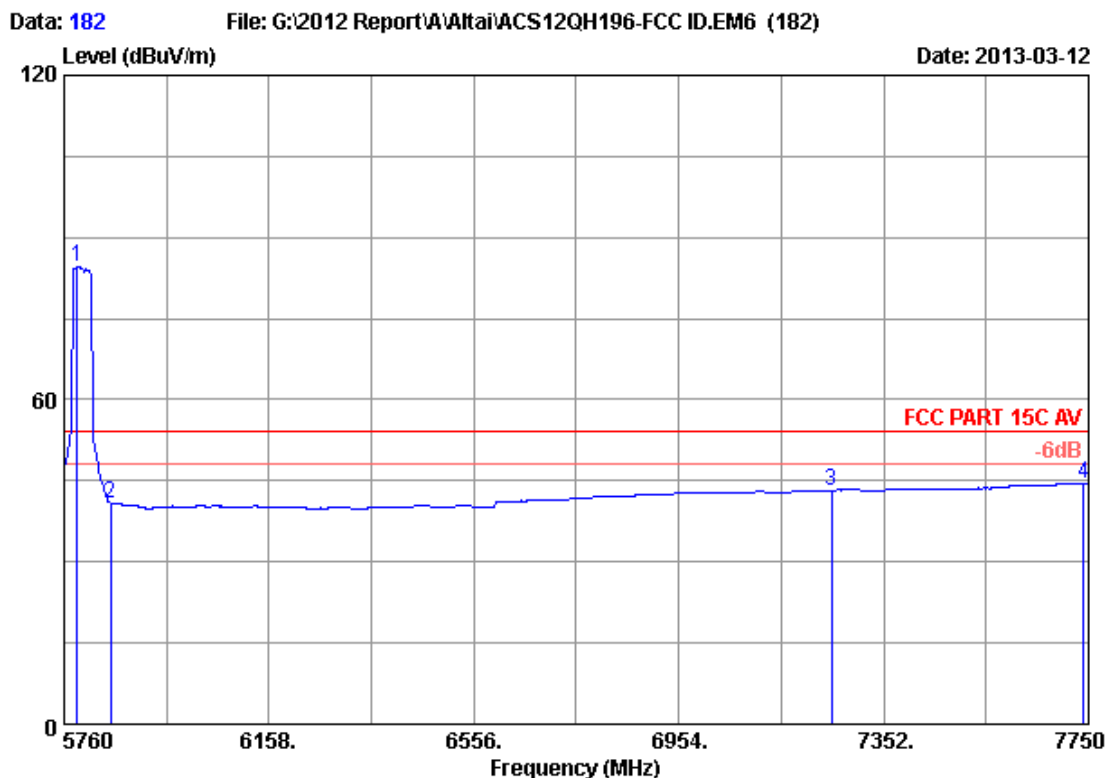


Site no. : 3m Chamber Data no. : 181  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH159 5795MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1 | 5779.900       | 34.11                    | 9.58                  | 35.70                  | 88.36             | 96.35                         | 74.00              | -22.35         | Peak   |
| 2 | 5850.000       | 34.14                    | 9.66                  | 35.70                  | 46.84             | 54.94                         | 74.00              | 19.06          | Peak   |
| 3 | 5859.500       | 34.14                    | 9.67                  | 35.70                  | 48.74             | 56.85                         | 74.00              | 17.15          | Peak   |
| 4 | 7250.000       | 36.05                    | 10.99                 | 35.45                  | 44.96             | 56.55                         | 74.00              | 17.45          | Peak   |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 182  
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL  
 Limit : FCC PART 15C AV  
 Env. / Ins. : 23°C/54% Engineer : Leo-Li  
 EUT : A8n Super WiFi Base Station  
 Power supply : DC 56V From Adapter Input AC 120V/60Hz  
 Test mode : IEEE802.11nHT40 CH159 5795MHz Tx  
 WA8011N-X

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>loss<br>(dB) | Amp.<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|------------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 5785.870       | 34.11                    | 9.59                  | 35.70                  | 76.61             | 84.61                         | 54.00              | -30.61         | Average |
| 2 | 5850.000       | 34.14                    | 9.66                  | 35.70                  | 32.80             | 40.90                         | 54.00              | 13.10          | Average |
| 3 | 7250.000       | 36.05                    | 10.99                 | 35.45                  | 31.65             | 43.24                         | 54.00              | 10.76          | Average |
| 4 | 7740.050       | 36.84                    | 11.25                 | 35.35                  | 31.82             | 44.56                         | 54.00              | 9.44           | Average |

**Remarks:**

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

## 7. 6dB Bandwidth Test

### 7.1.Test Equipment

| Item | Equipment         | Manufacturer | Model No.   | Serial No. | Last Cal.  | Cal. Interval |
|------|-------------------|--------------|-------------|------------|------------|---------------|
| 1.   | Spectrum          | Agilent      | N9030A      | MY51380221 | Oct.31, 13 | 1Year         |
| 2.   | Attenuator (20dB) | Agilent      | 8491B       | MY39262165 | Apr. 28,14 | 1 Year        |
| 3.   | RF Cable          | Hubersuhner  | SUCOFLEX102 | 28620/2    | Apr. 28,14 | 1 Year        |

### 7.2.Limit

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz

### 7.3.Test Procedure

The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 300kHz RBW and 1MHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

### 7.4.Test Results

#### 2.4G:

|                                 |                         |                       |
|---------------------------------|-------------------------|-----------------------|
| EUT:A8n Super WiFi Base Station |                         |                       |
| M/N:WA8011N-X                   |                         |                       |
| Test date: 2014-08-02           | Pressure: 101.2±1.0 kpa | Humidity: 50.7±3.0%   |
| Tested by: Kevin_Hu             | Test site: RF site      | Temperature:22.5±0.6℃ |

| Cable loss: 1 dB  |      | Attenuator loss: 20 dB   |       |                |
|-------------------|------|--------------------------|-------|----------------|
| Test Mode         | CH   | 6dB bandwidth<br>( MHz ) |       | Limit<br>(KHz) |
|                   |      | ANT 1                    | ANT 2 |                |
| 11b               | CH1  | 8.099                    | 8.096 | >500           |
|                   | CH6  | 8.095                    | 8.113 | >500           |
|                   | CH11 | 8.106                    | 8.096 | >500           |
| 11g               | CH1  | 16.39                    | 16.39 | >500           |
|                   | CH6  | 16.39                    | 16.39 | >500           |
|                   | CH11 | 16.38                    | 16.38 | >500           |
| 11n<br>HT20       | CH1  | 17.61                    | 17.61 | >500           |
|                   | CH6  | 17.60                    | 17.61 | >500           |
|                   | CH11 | 17.60                    | 17.60 | >500           |
| 11n<br>HT40       | CH1  | 35.15                    | 35.15 | >500           |
|                   | CH4  | 35.14                    | 35.14 | >500           |
|                   | CH7  | 35.35                    | 35.42 | >500           |
| Conclusion : PASS |      |                          |       |                |

**5.8G:**

|                                 |                         |                         |
|---------------------------------|-------------------------|-------------------------|
| EUT:A8n Super WiFi Base Station |                         |                         |
| M/N:WA8011N-X                   |                         |                         |
| Test date: 2014-08-02           | Pressure: 101.1±1.0 kpa | Humidity: 50.7\3±3.0%   |
| Tested by: Kevin_Hu             | Test site: RF site      | Temperature:22.7±0.6 °C |

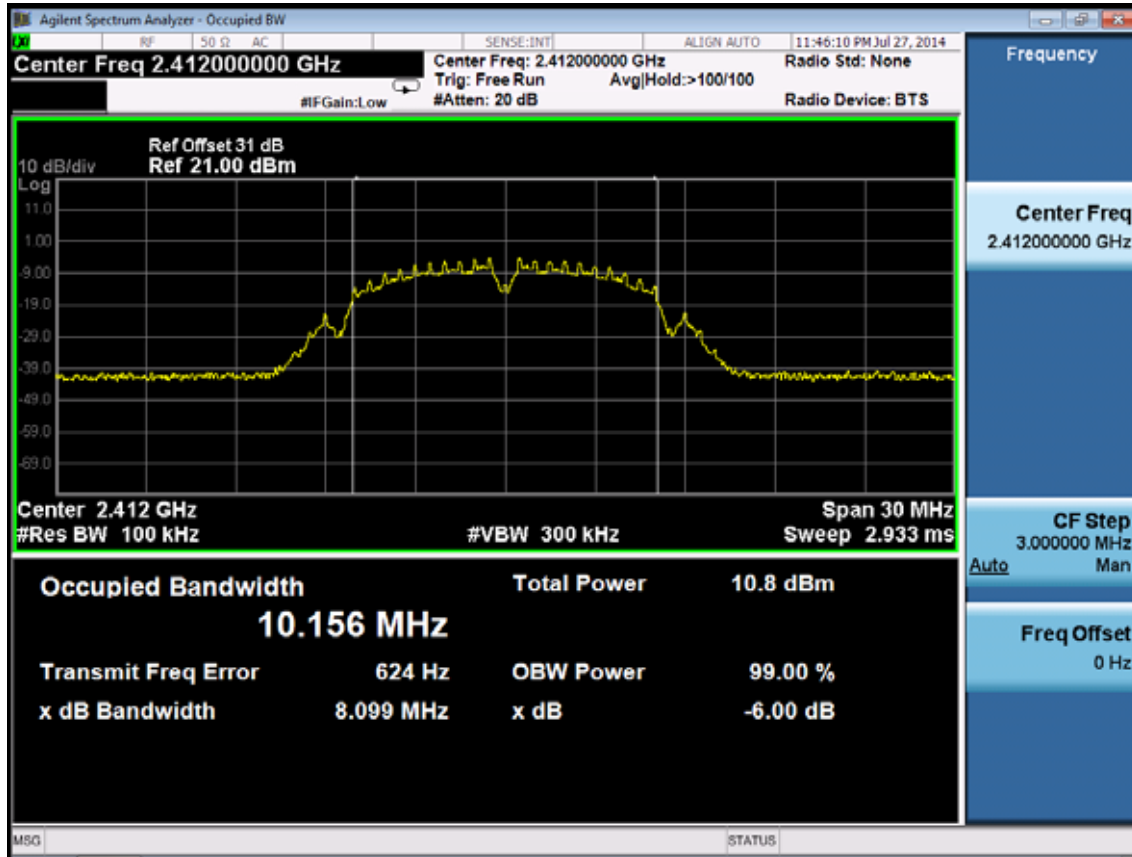
| Cable loss: 1 dB  |       | Attenuator loss: 20 dB   |       |                |
|-------------------|-------|--------------------------|-------|----------------|
| Test Mode         | CH    | 6dB bandwidth<br>( MHz ) |       | Limit<br>(KHz) |
|                   |       | ANT 1                    | ANT 2 |                |
| 11a               | CH149 | 16.45                    | 16.46 | >500           |
|                   | CH157 | 16.38                    | 16.40 | >500           |
|                   | CH165 | 16.45                    | 16.42 | >500           |
| 11n<br>HT20       | CH149 | 17.70                    | 17.69 | >500           |
|                   | CH157 | 17.72                    | 17.71 | >500           |
|                   | CH165 | 17.70                    | 17.66 | >500           |
| 11n<br>HT40       | CH151 | 36.37                    | 36.39 | >500           |
|                   | CH159 | 36.38                    | 36.37 | >500           |
| Conclusion : PASS |       |                          |       |                |

2.4G:

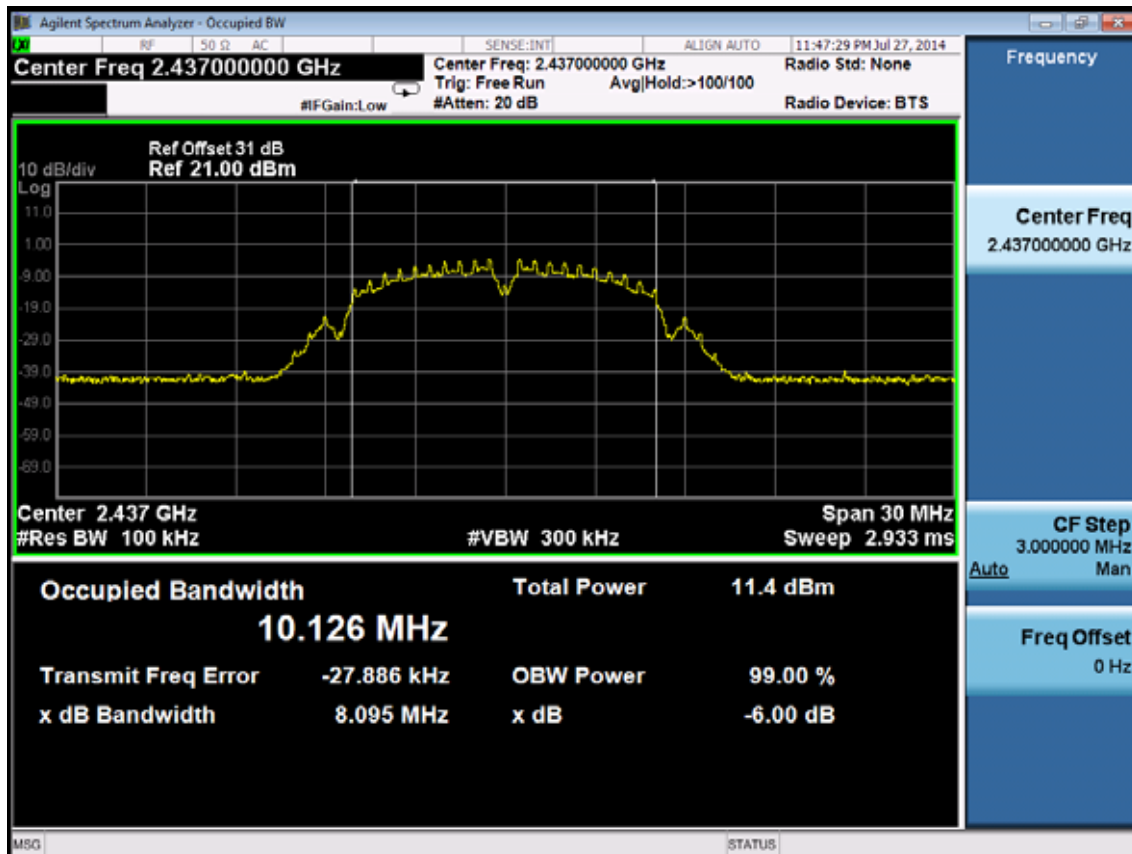
Chain 1:

Test Mode: IEEE 802.11b TX

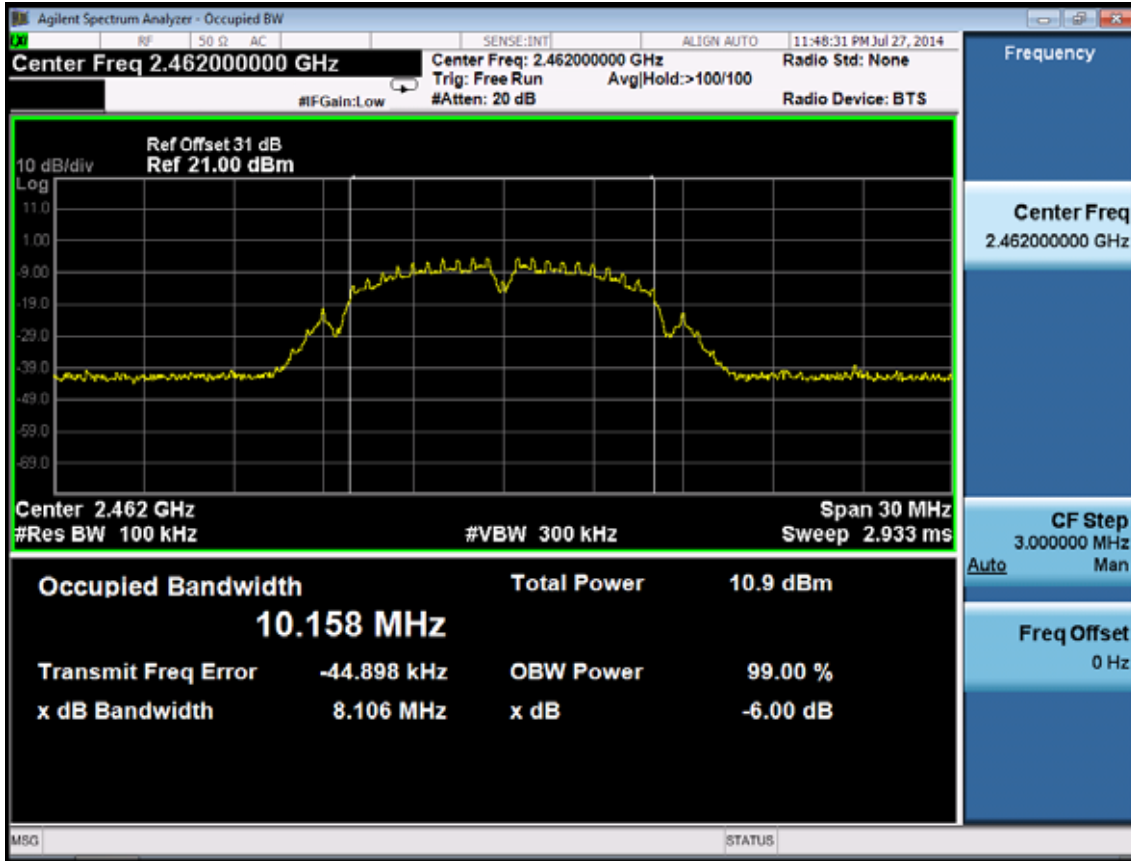
Test CH1: 2412MHz



Test CH6: 2437MHz

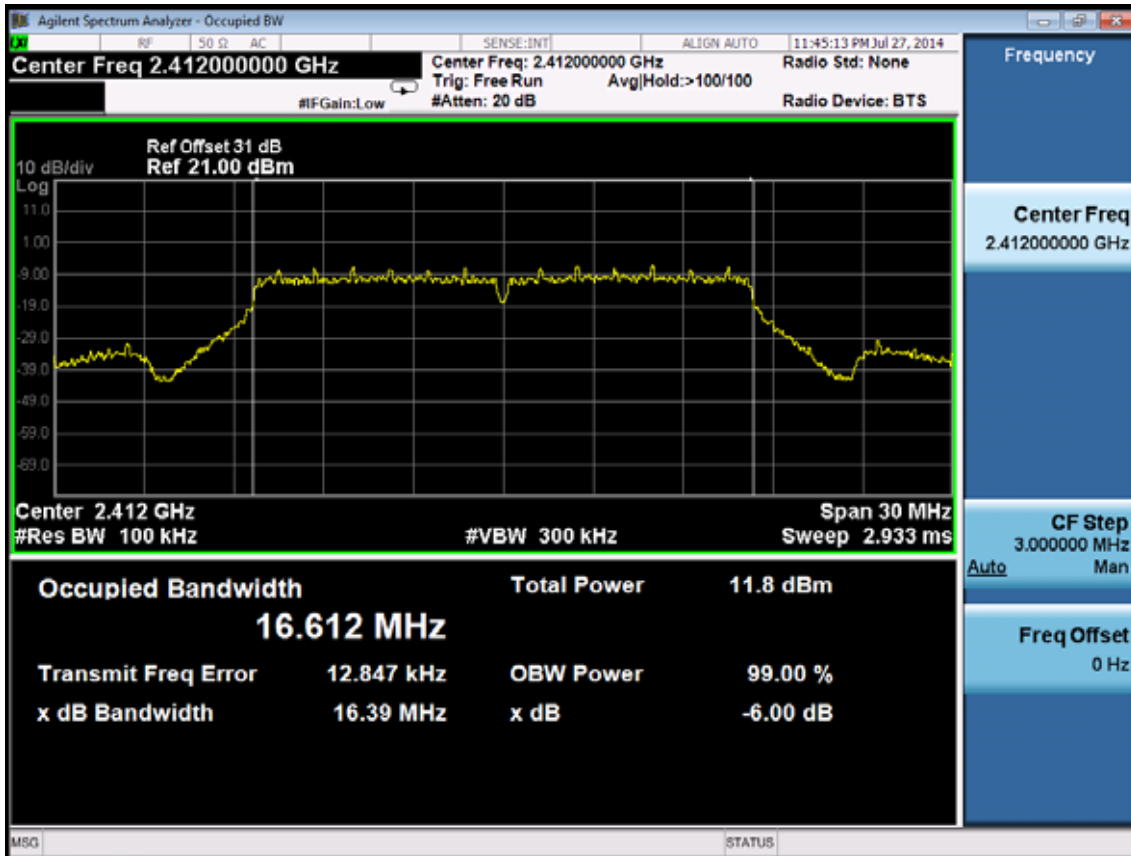


Test CH11: 2462MHz

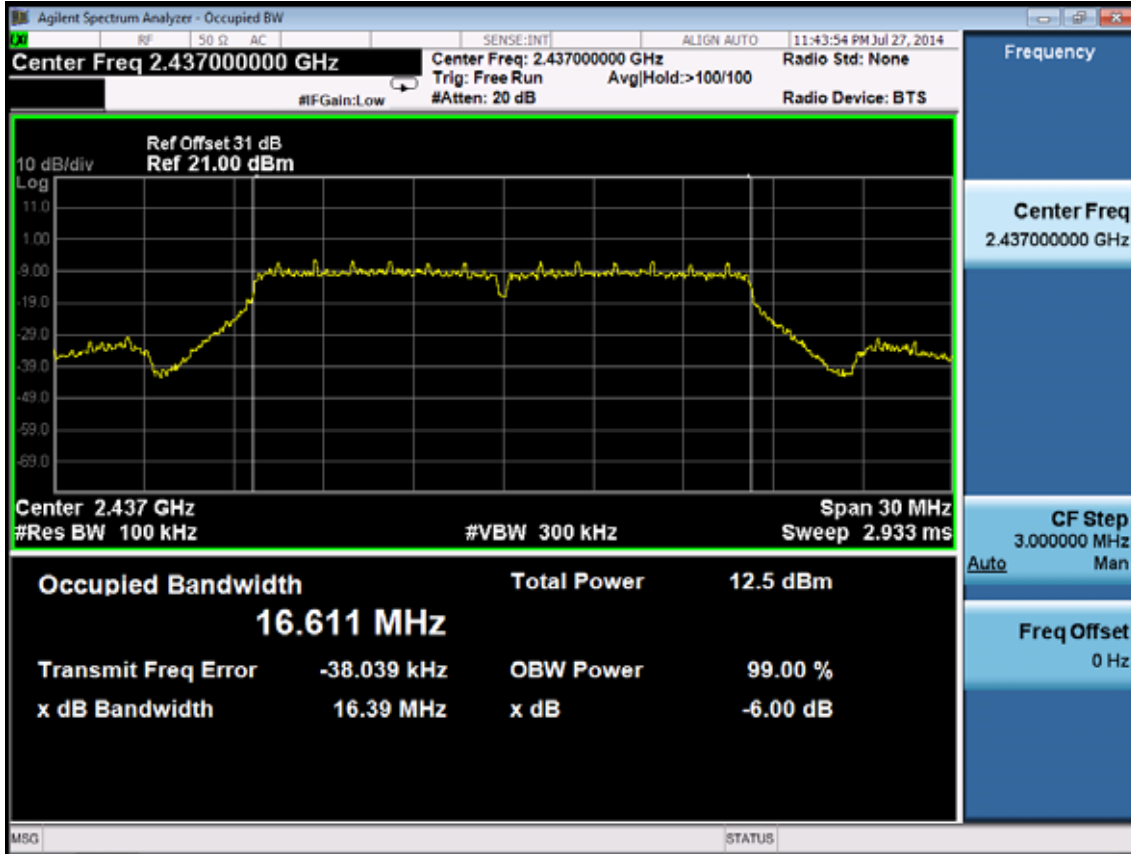


Test Mode: IEEE 802.11g TX

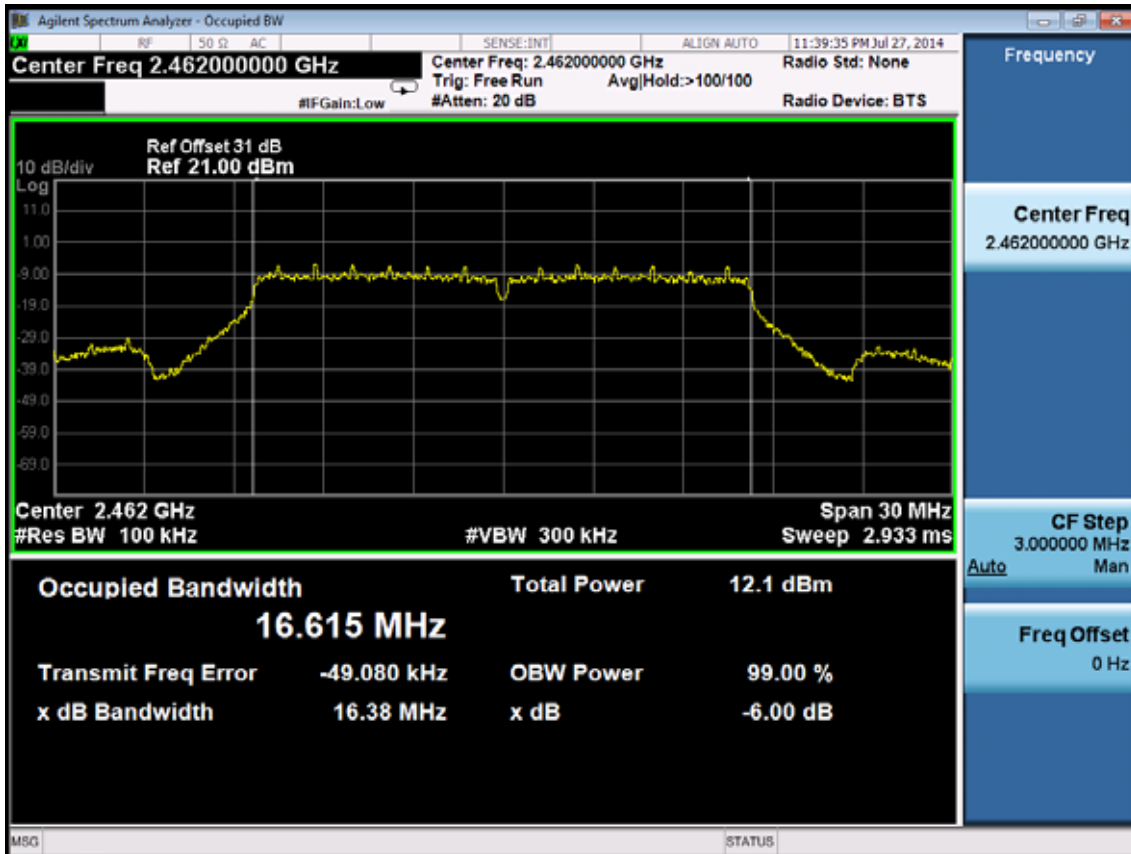
Test CH1: 2412MHz



Test CH6: 2437MHz

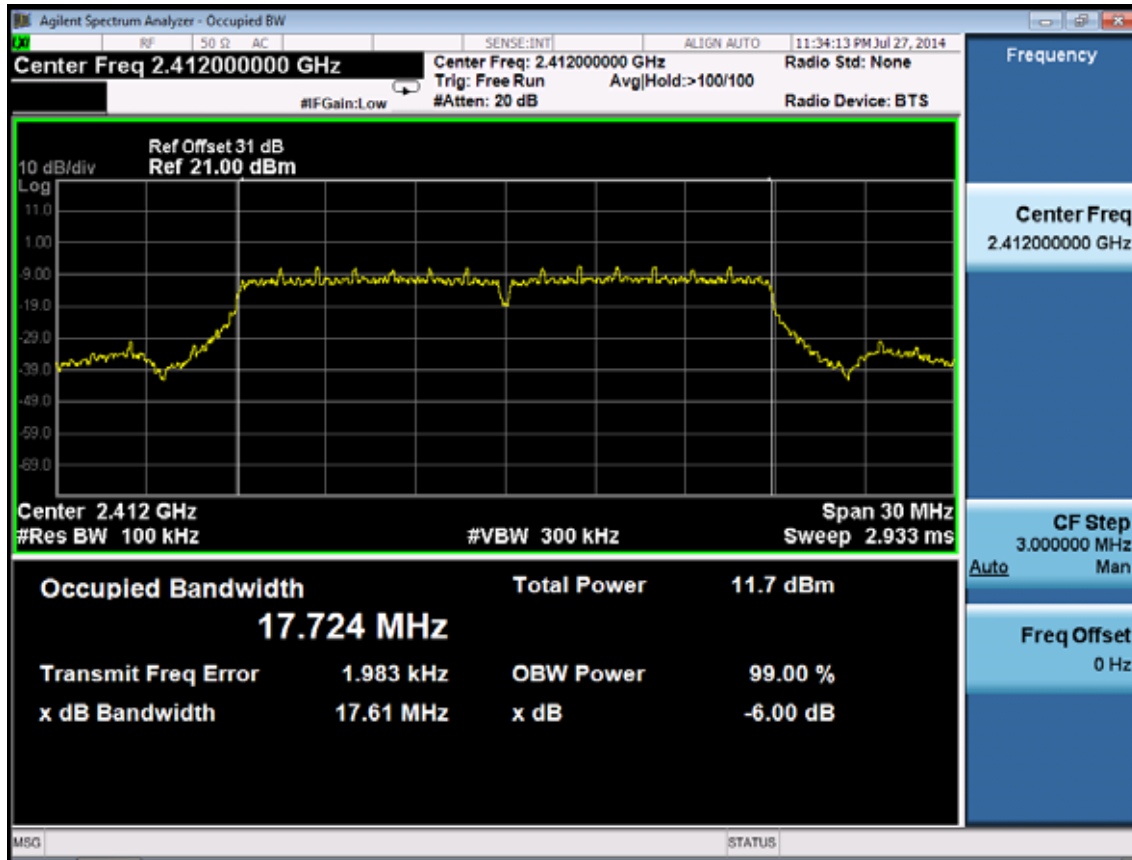


Test CH11: 2462MHz

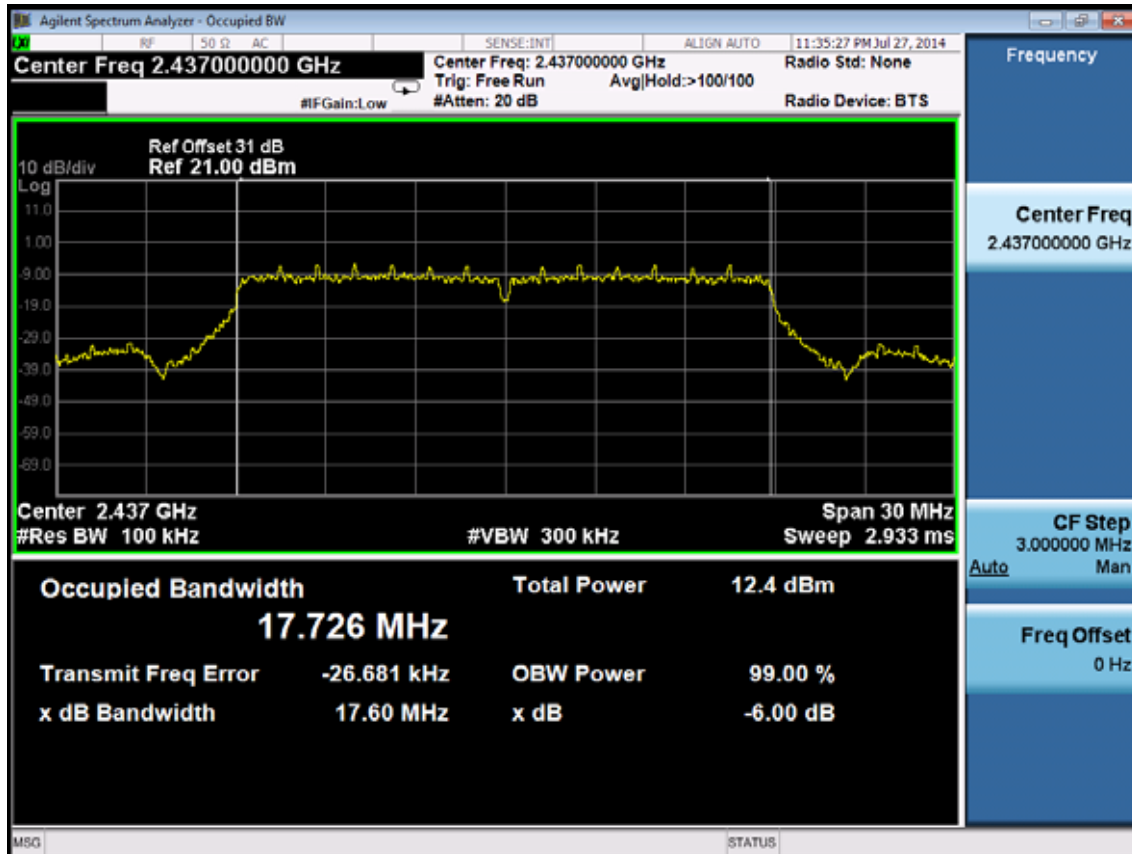


Test Mode: IEEE 802.11n HT20 TX

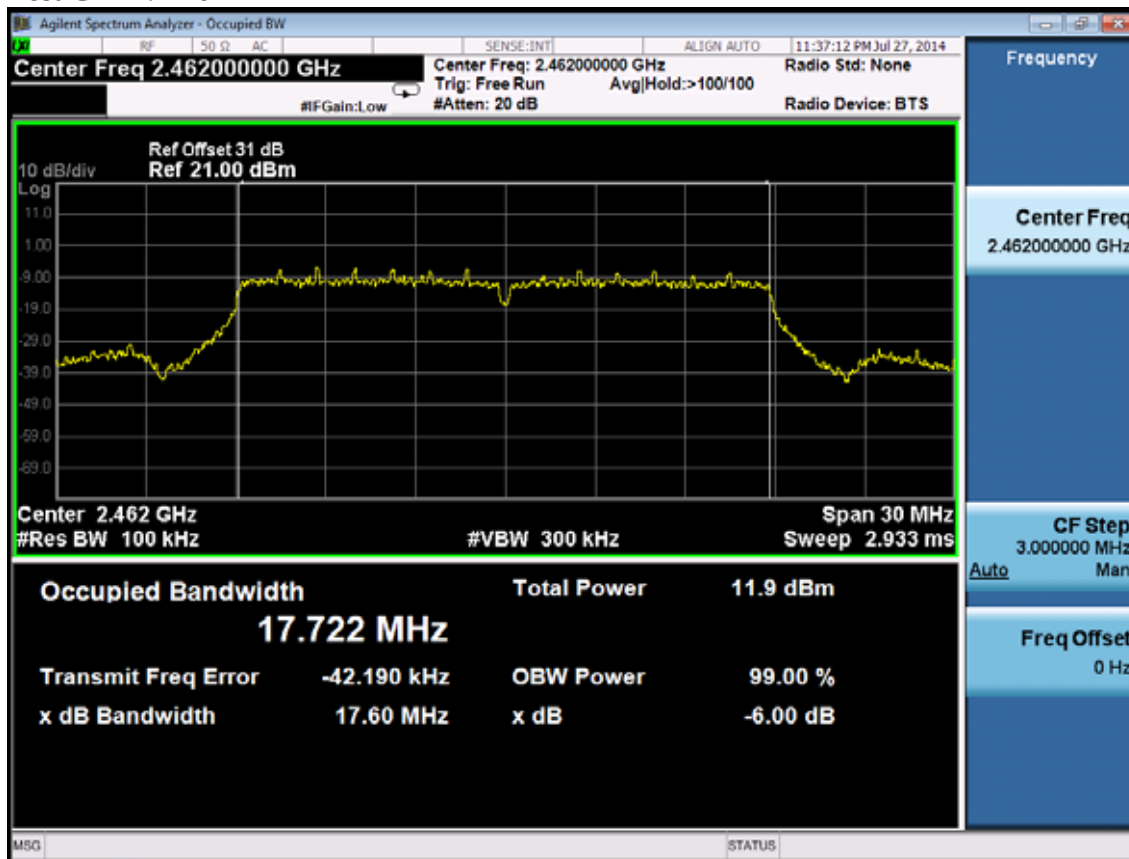
Test CH1: 2412MHz



Test CH6: 2437MHz

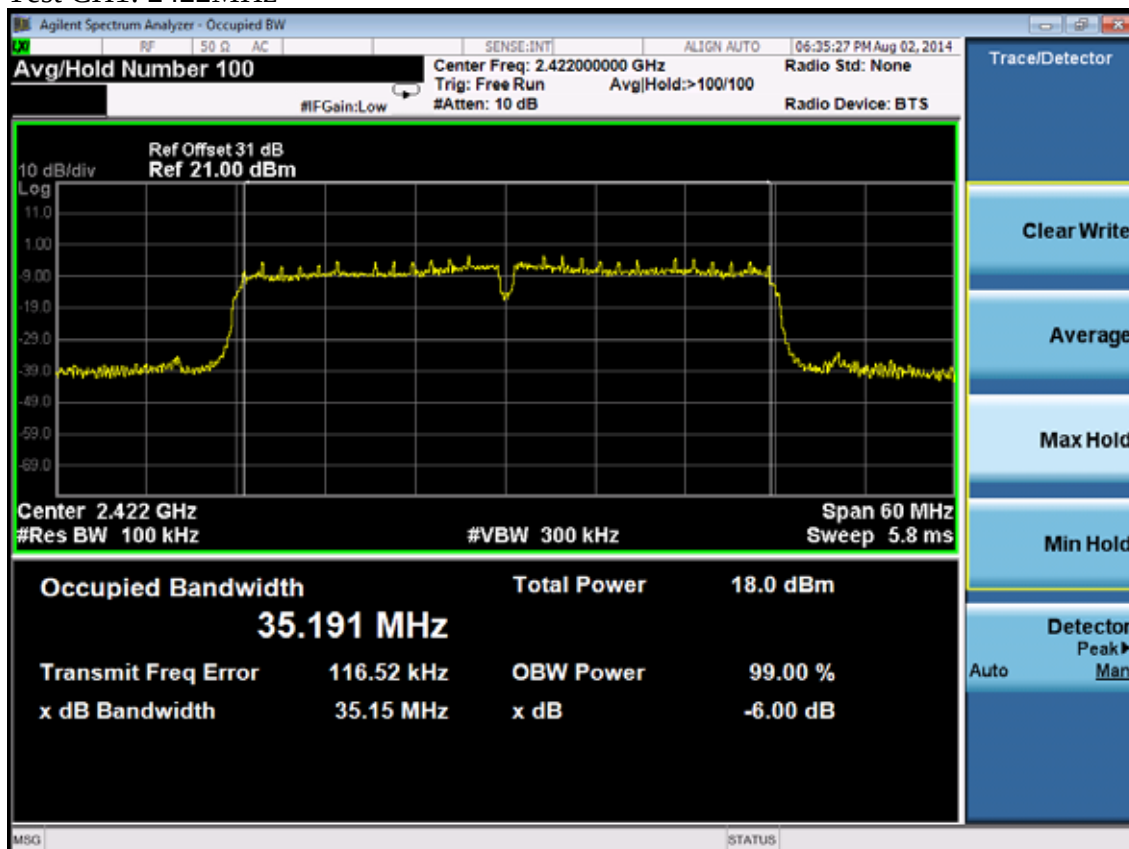


Test CH11: 2462MHz

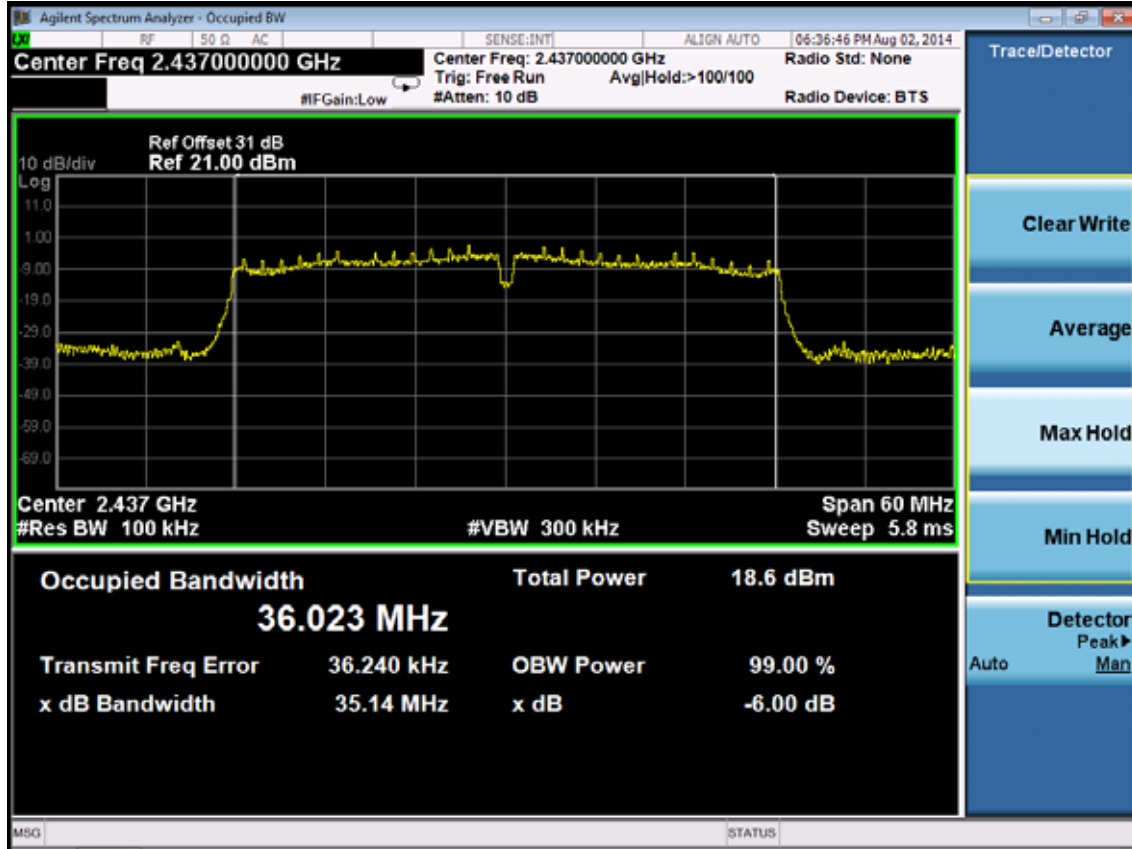


Test Mode: IEEE 802.11n HT40 TX

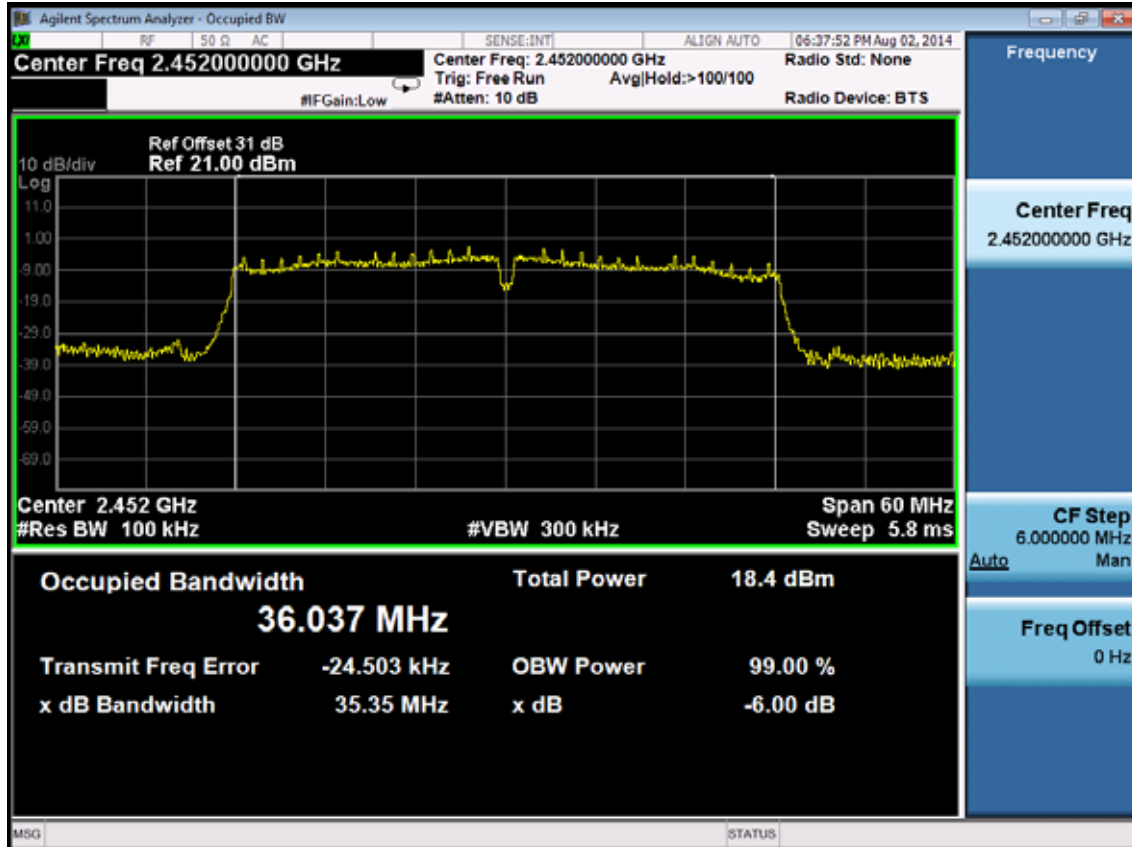
Test CH1: 2422MHz



Test CH4: 2437MHz



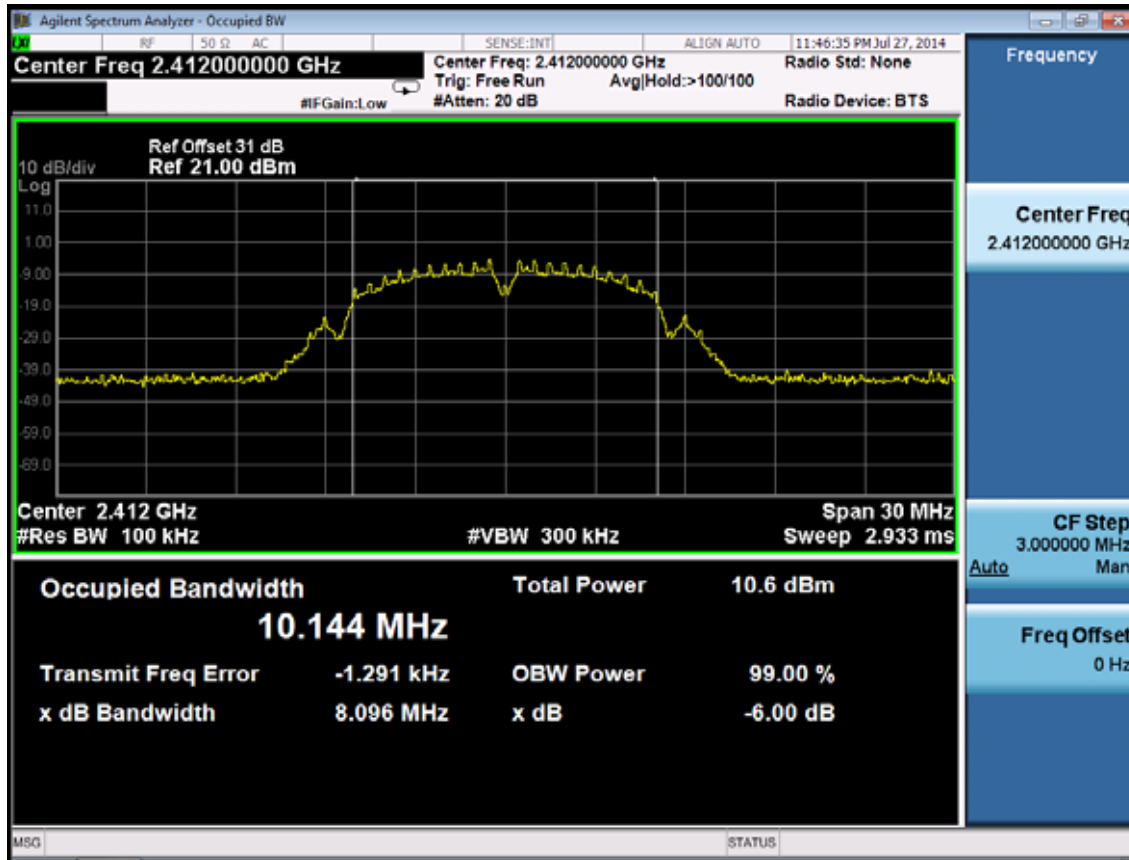
Test CH7: 2452MHz



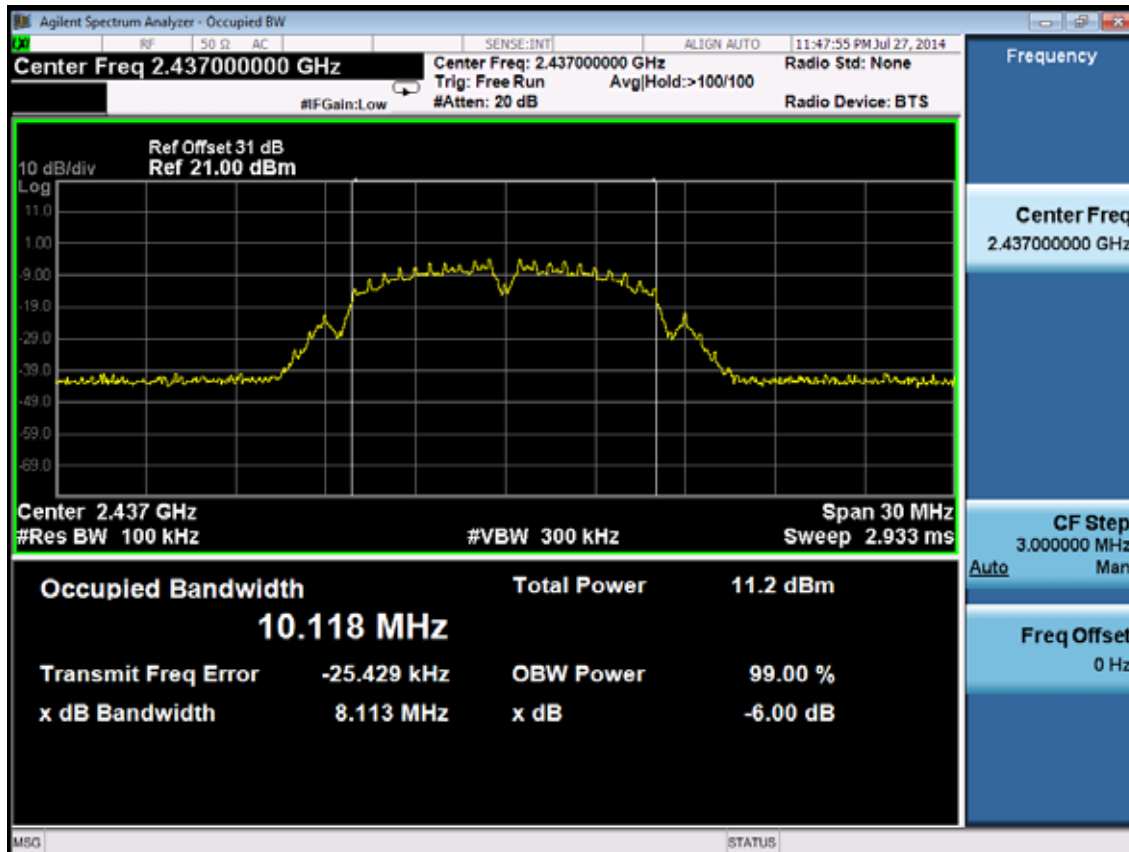
## Chain 2:

Test Mode: IEEE 802.11b TX

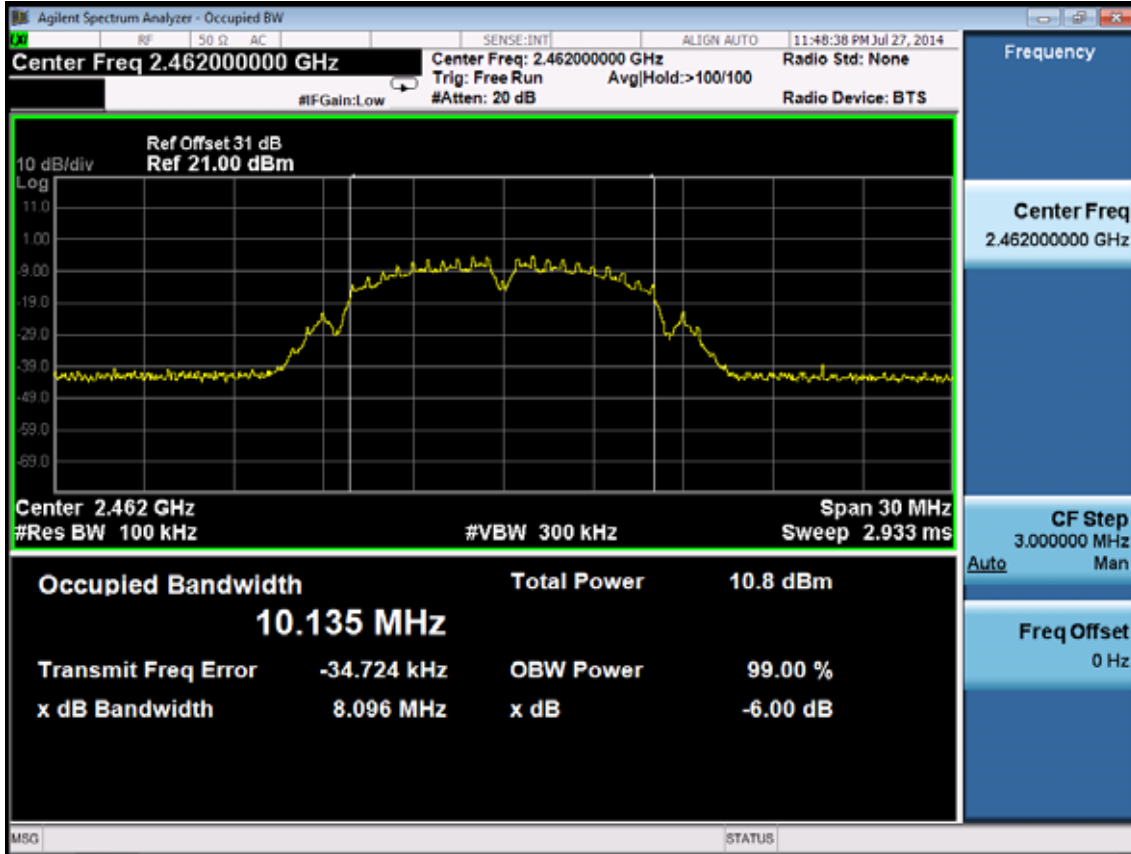
Test CH1: 2412MHz



Test CH6: 2437MHz

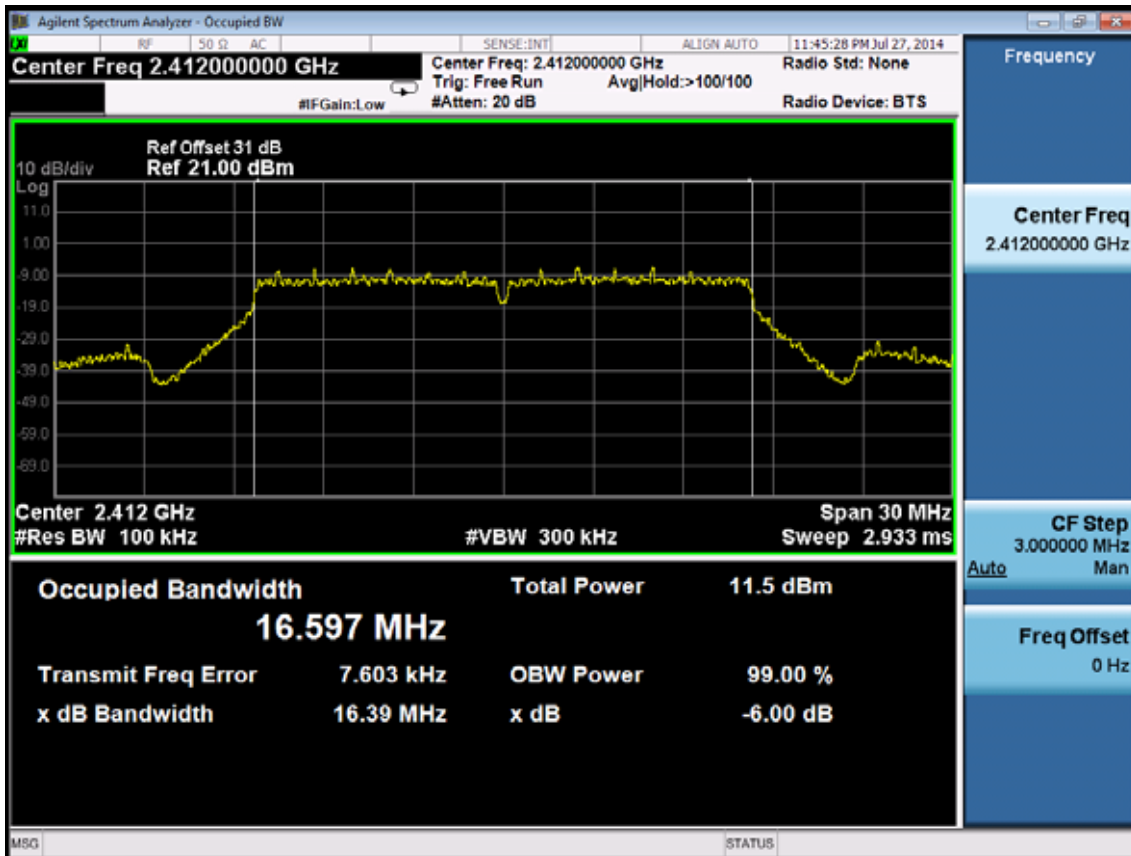


Test CH11: 2462MHz

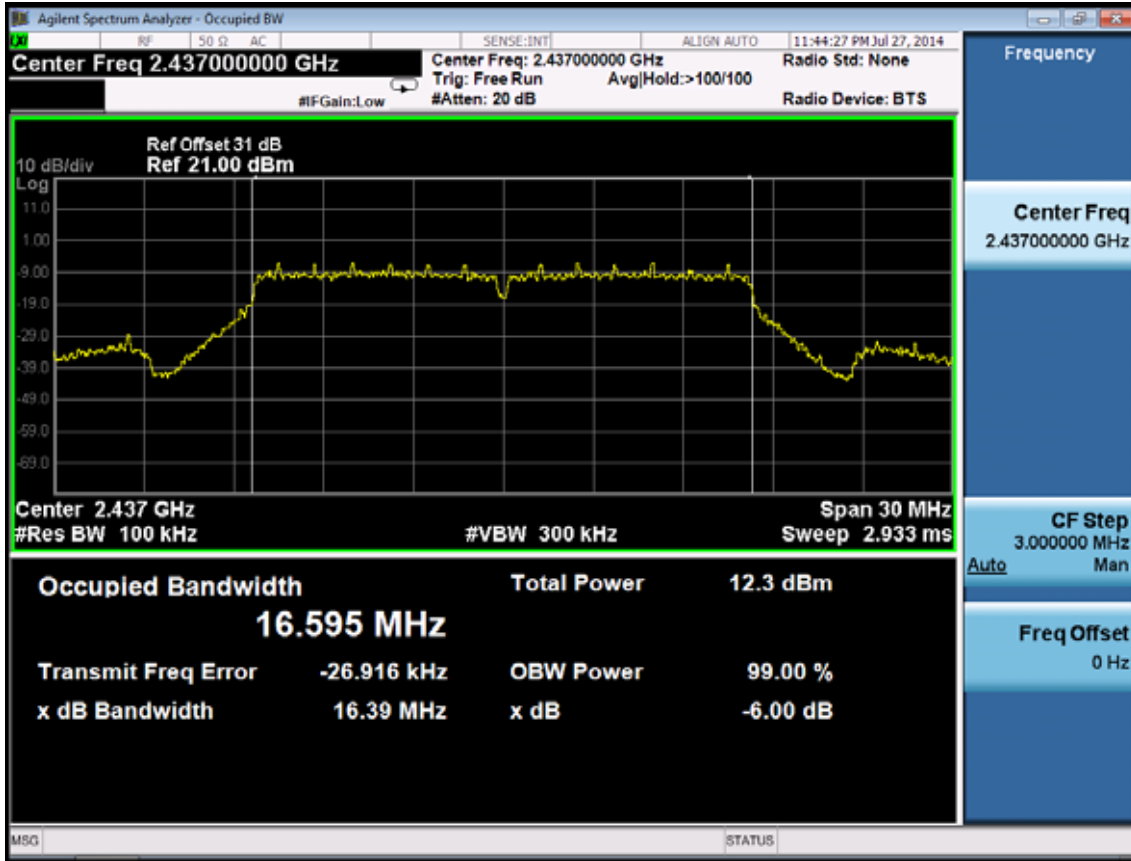


Test Mode: IEEE 802.11g TX

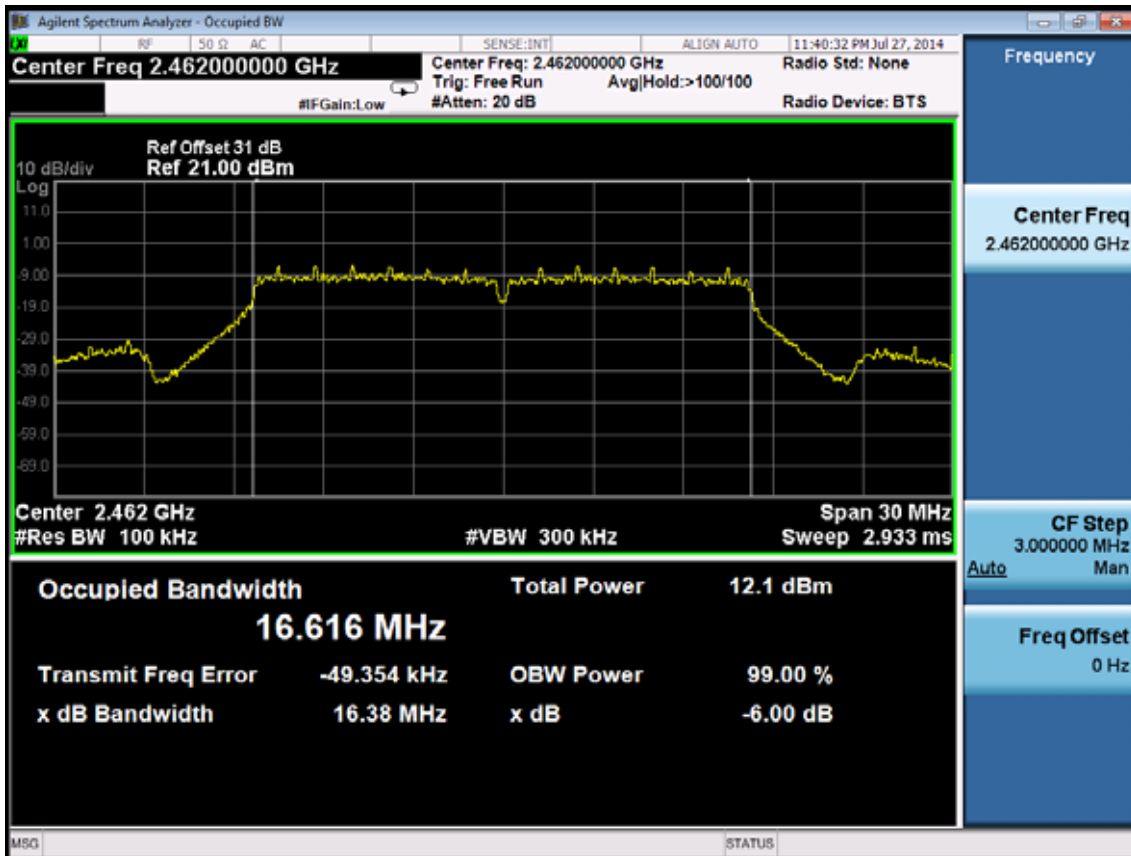
Test CH1: 2412MHz



Test CH6: 2437MHz

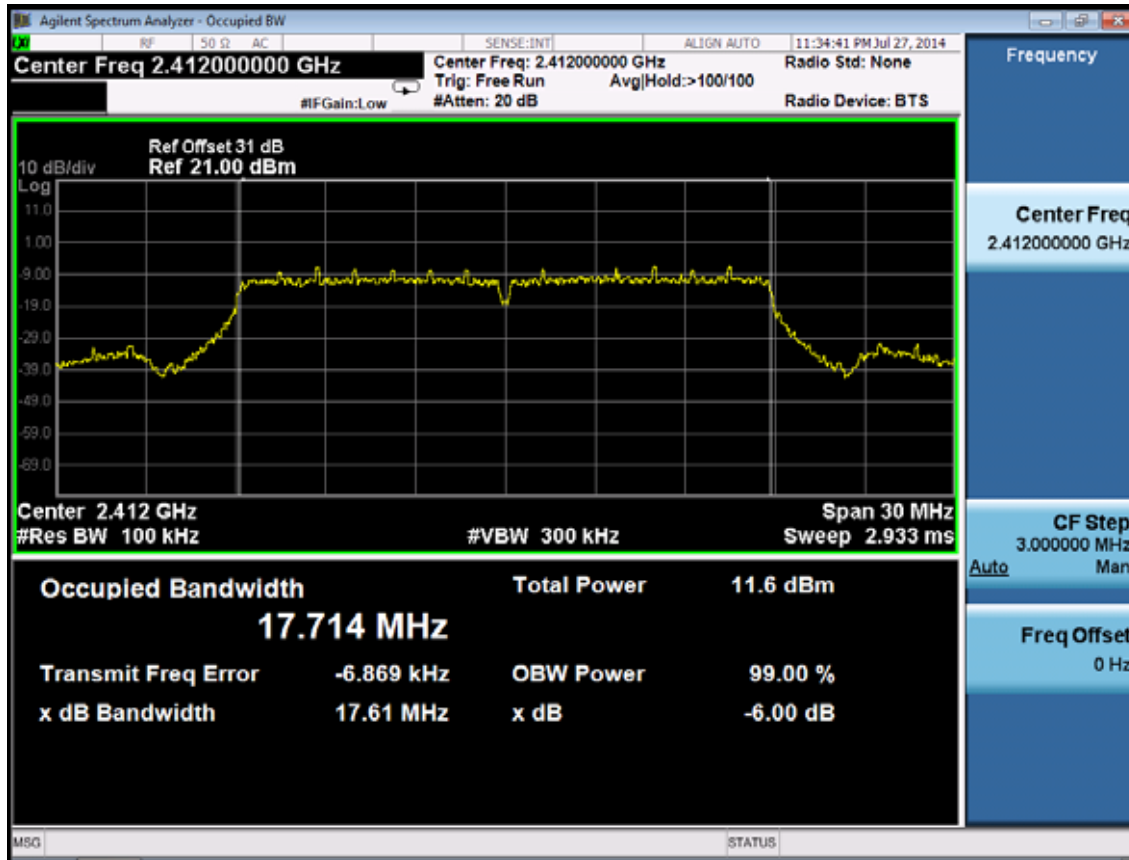


Test CH11: 2462MHz

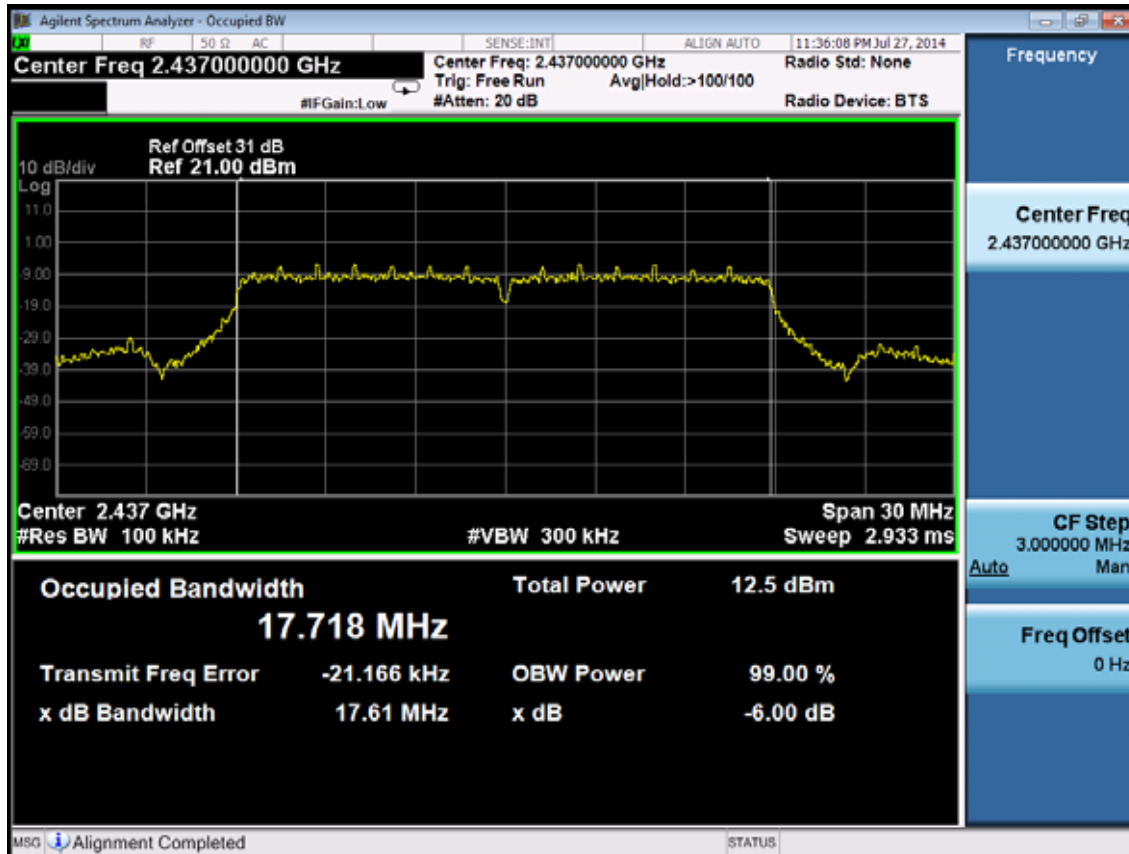


Test Mode: IEEE 802.11n HT20 TX

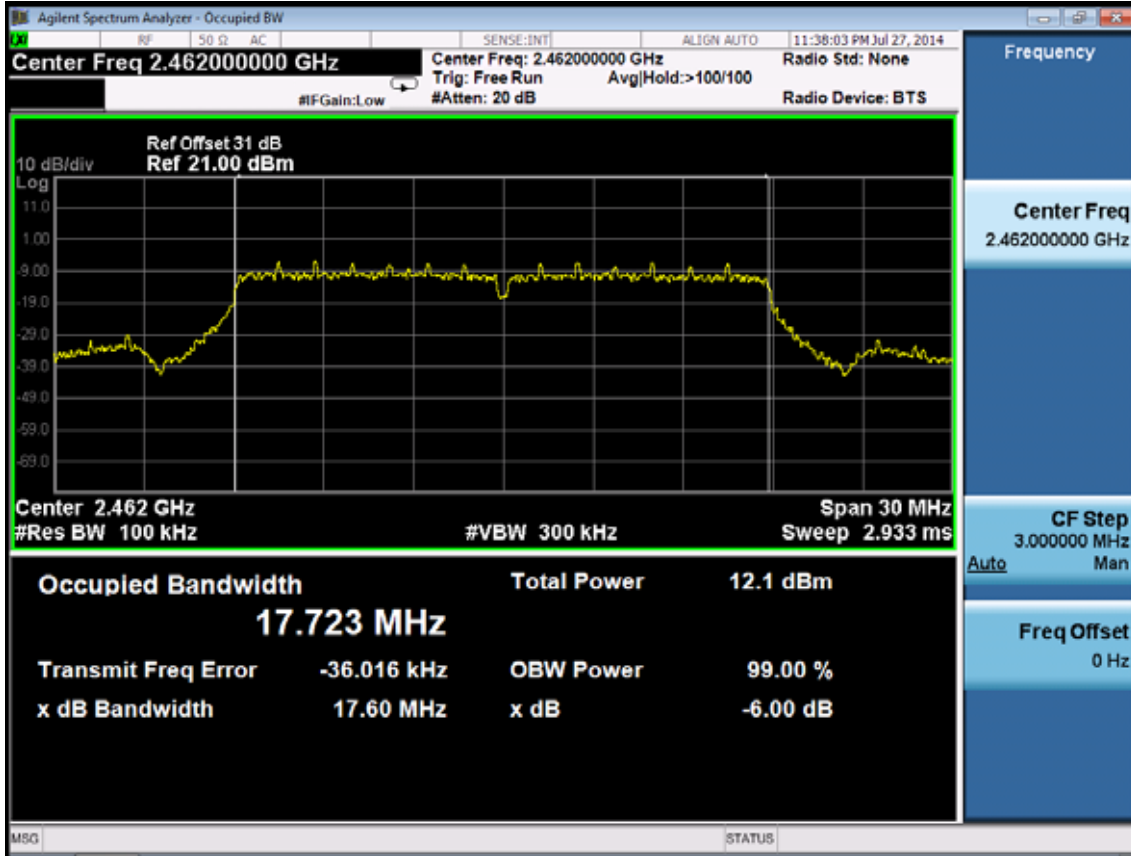
Test CH1: 2412MHz



Test CH6: 2437MHz

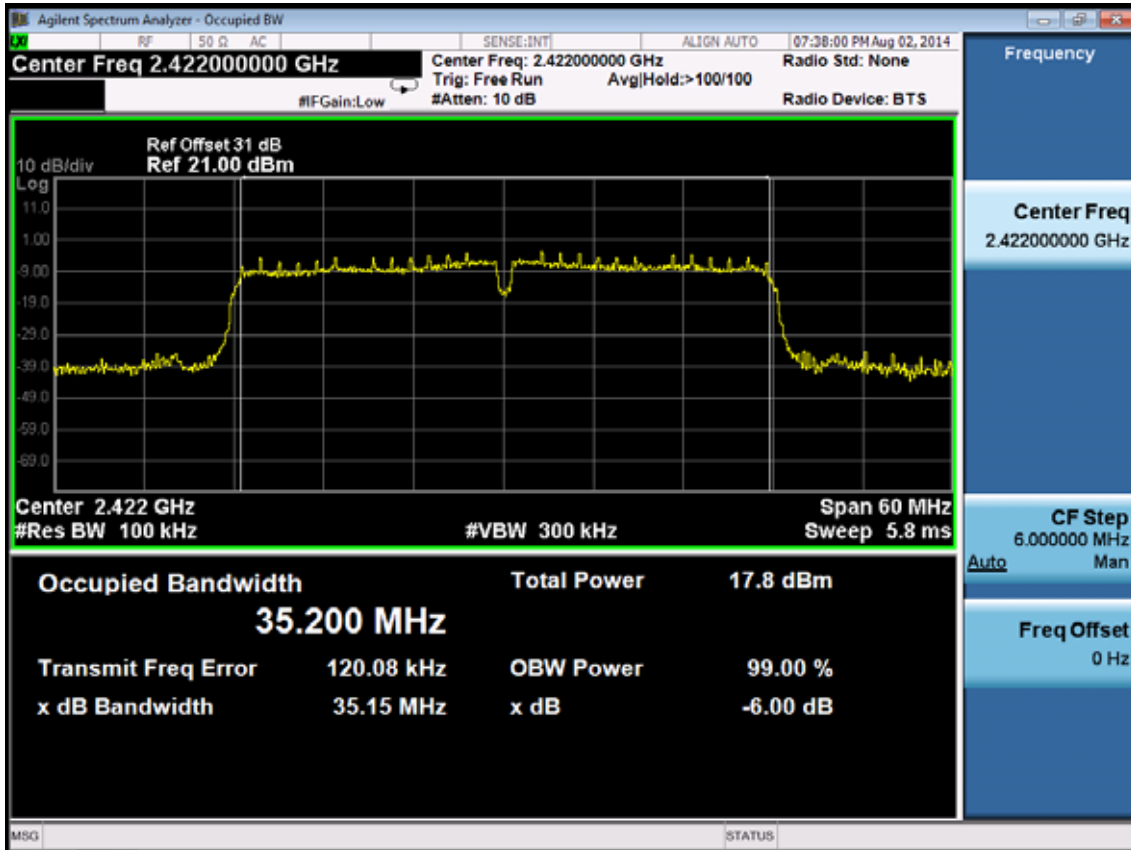


Test CH11: 2462MHz

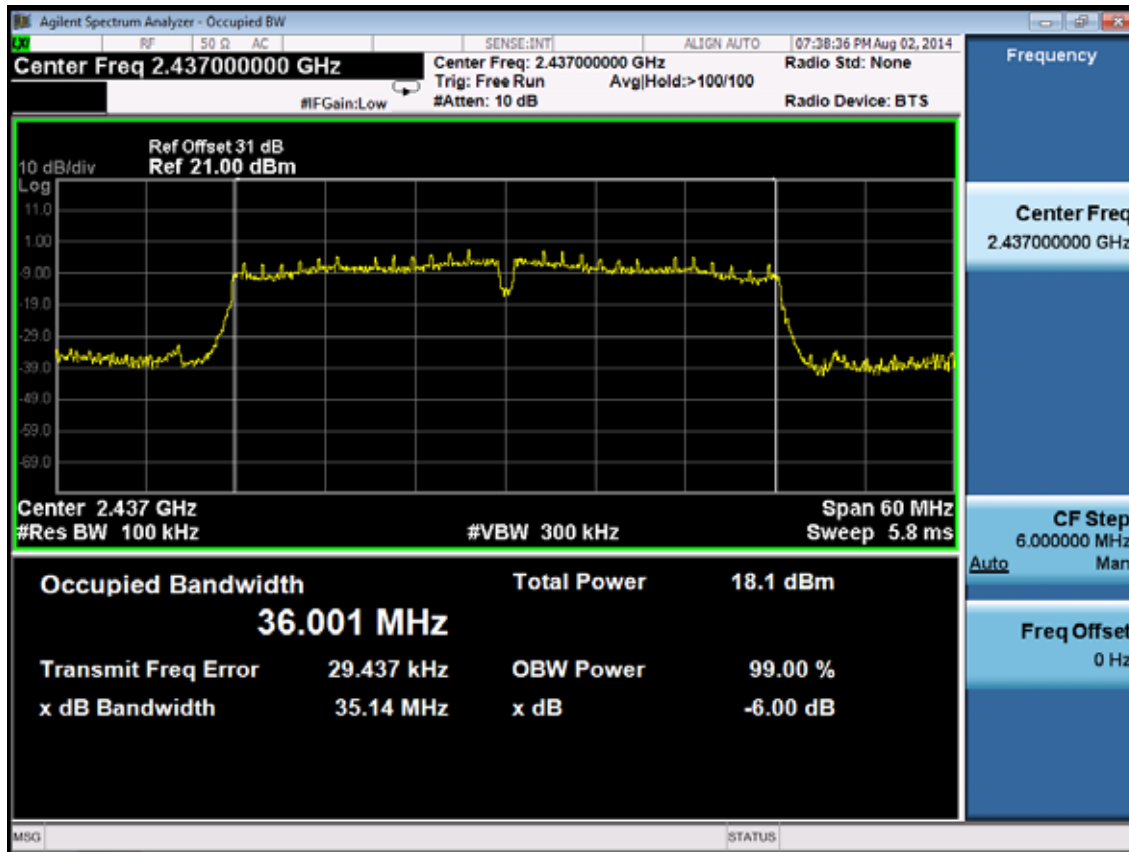


Test Mode: IEEE 802.11n HT40 TX

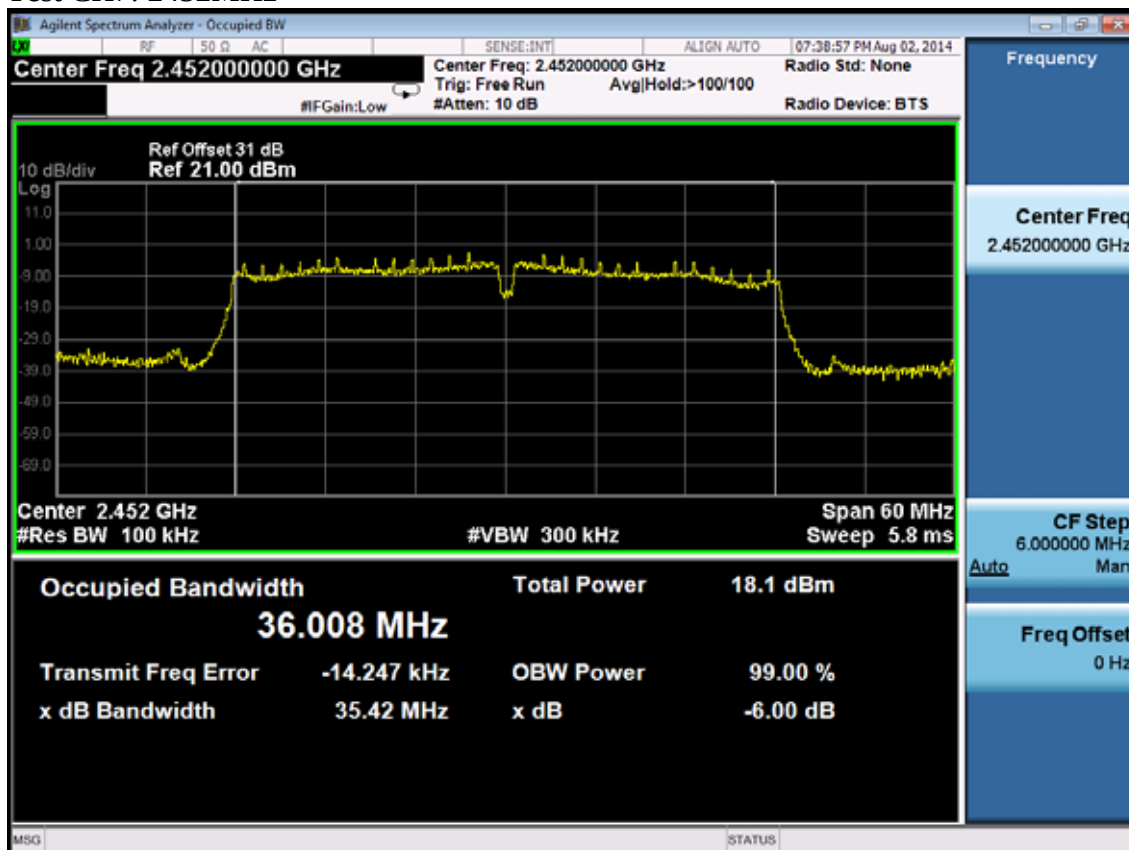
Test CH1: 2422MHz



Test CH4: 2437MHz



Test CH7: 2452MHz

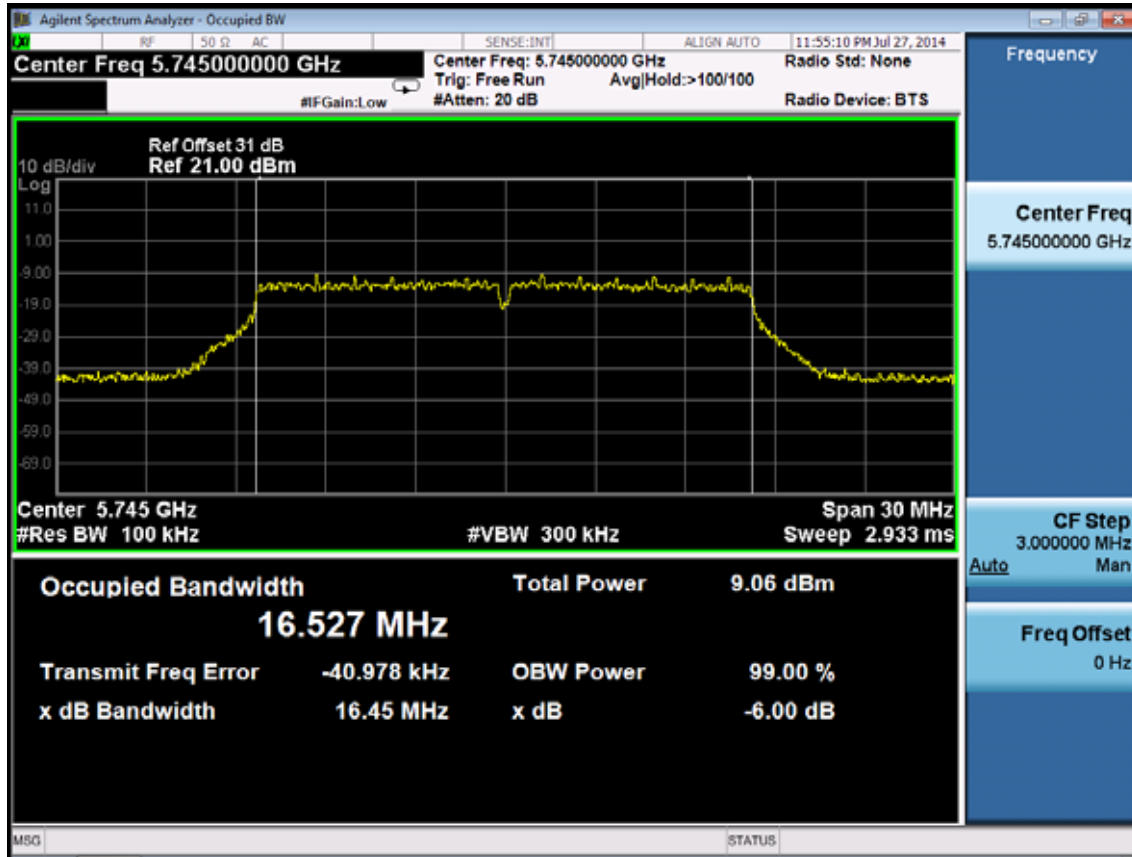


5.8G:

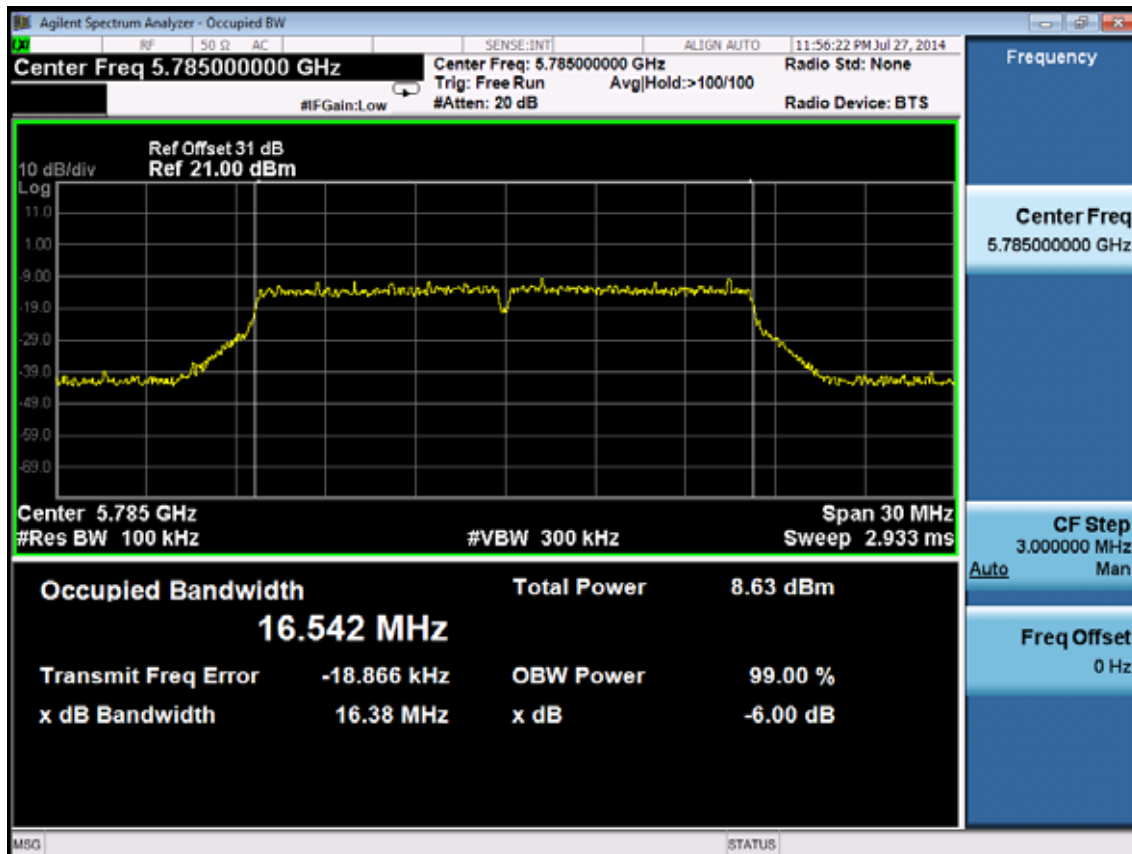
Chain 1:

Test Mode: IEEE 802.11a TX

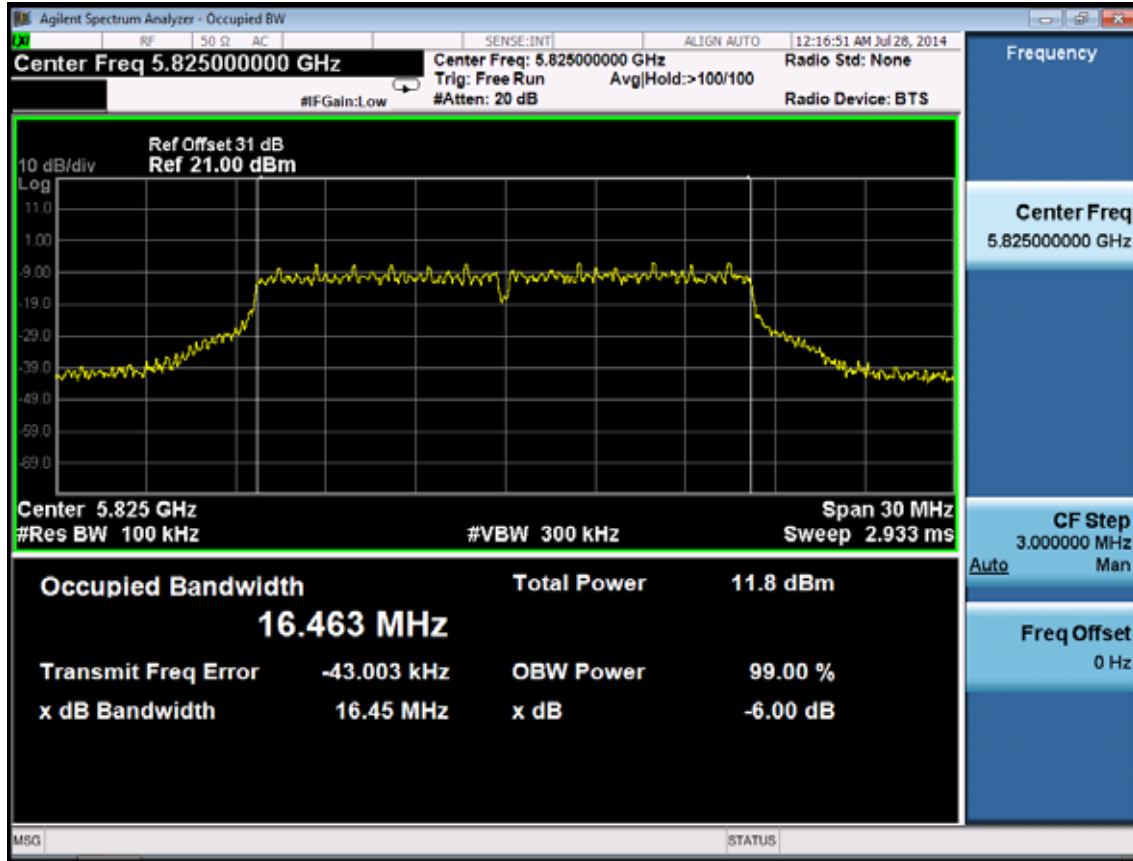
Test CH149: 5745MHz



Test CH157: 5785MHz

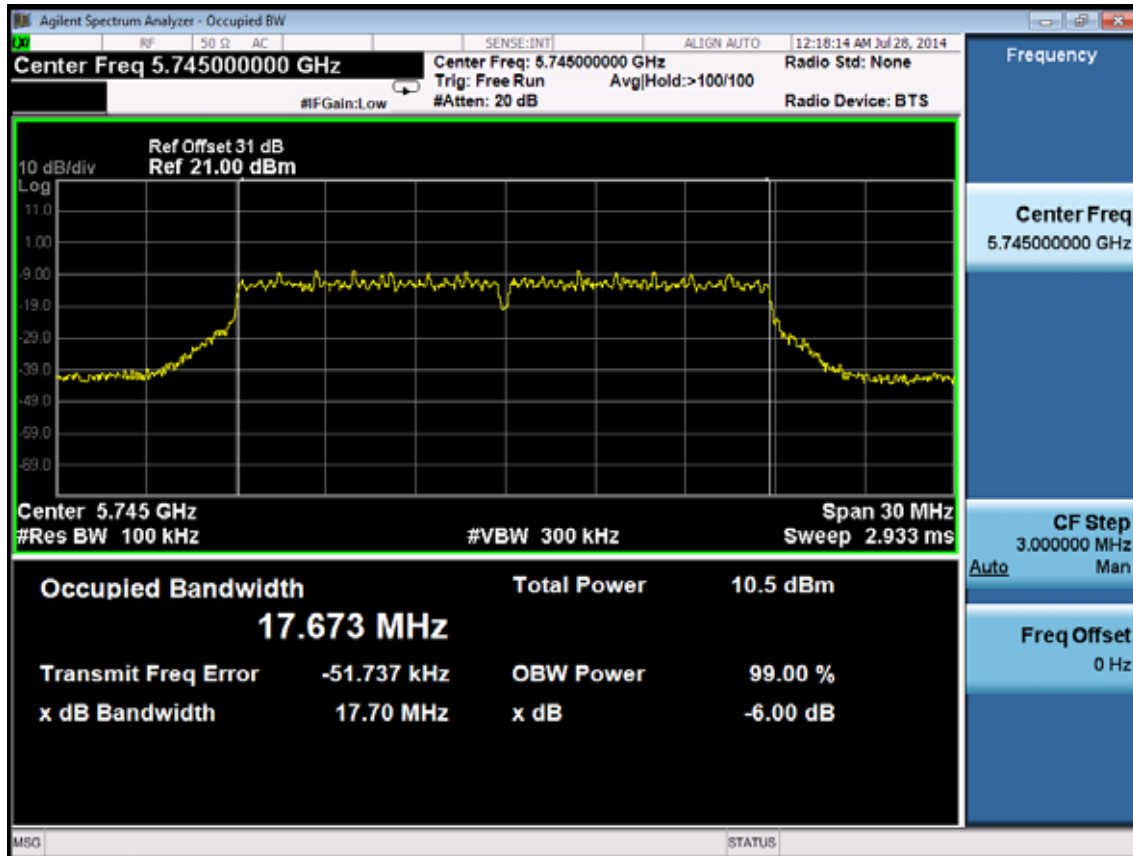


Test CH165: 5825MHz

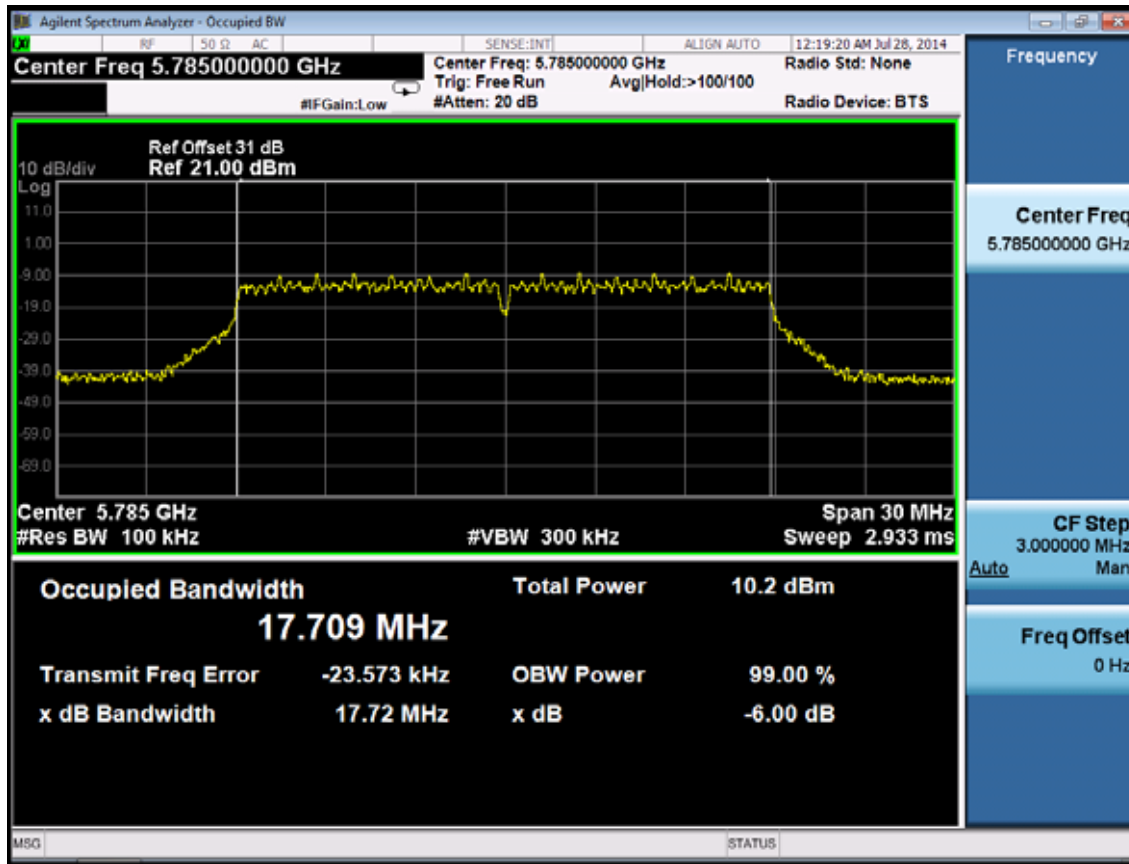


Test Mode: IEEE 802.11n HT20 TX

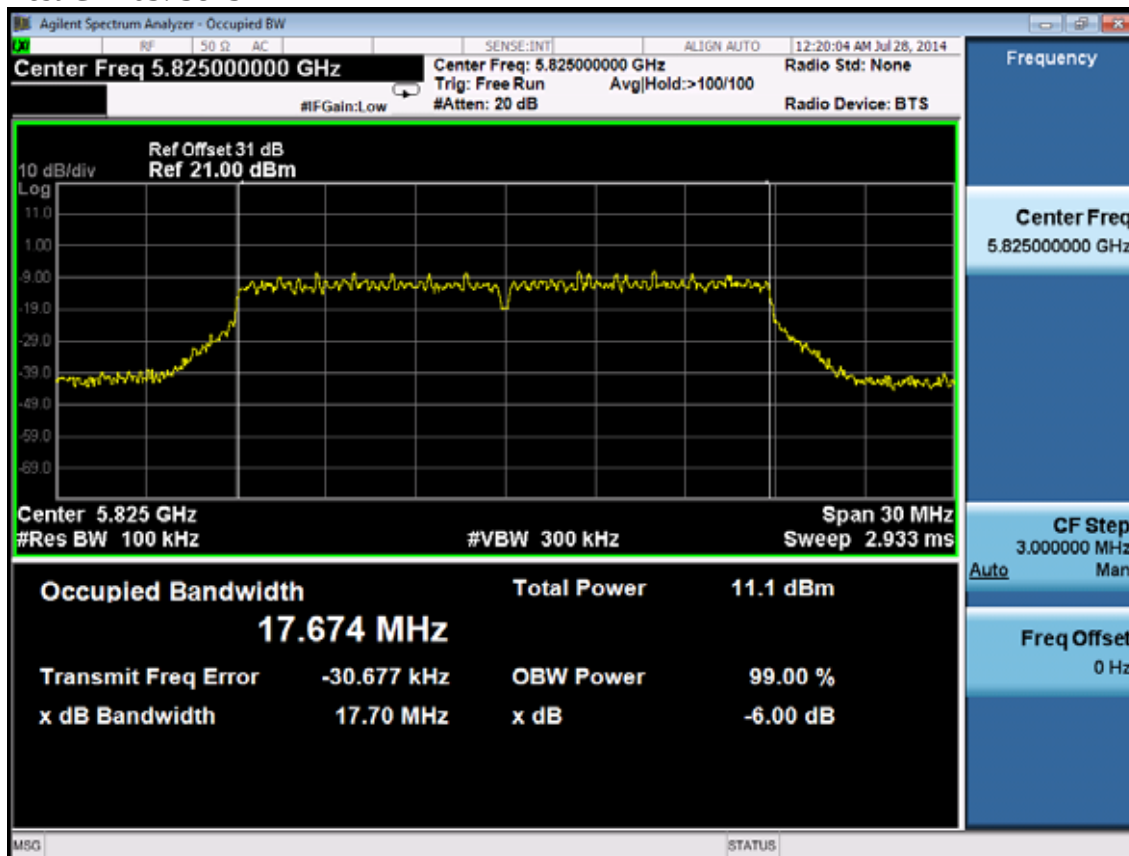
Test CH149: 5745MHz



Test CH157: 5785MHz

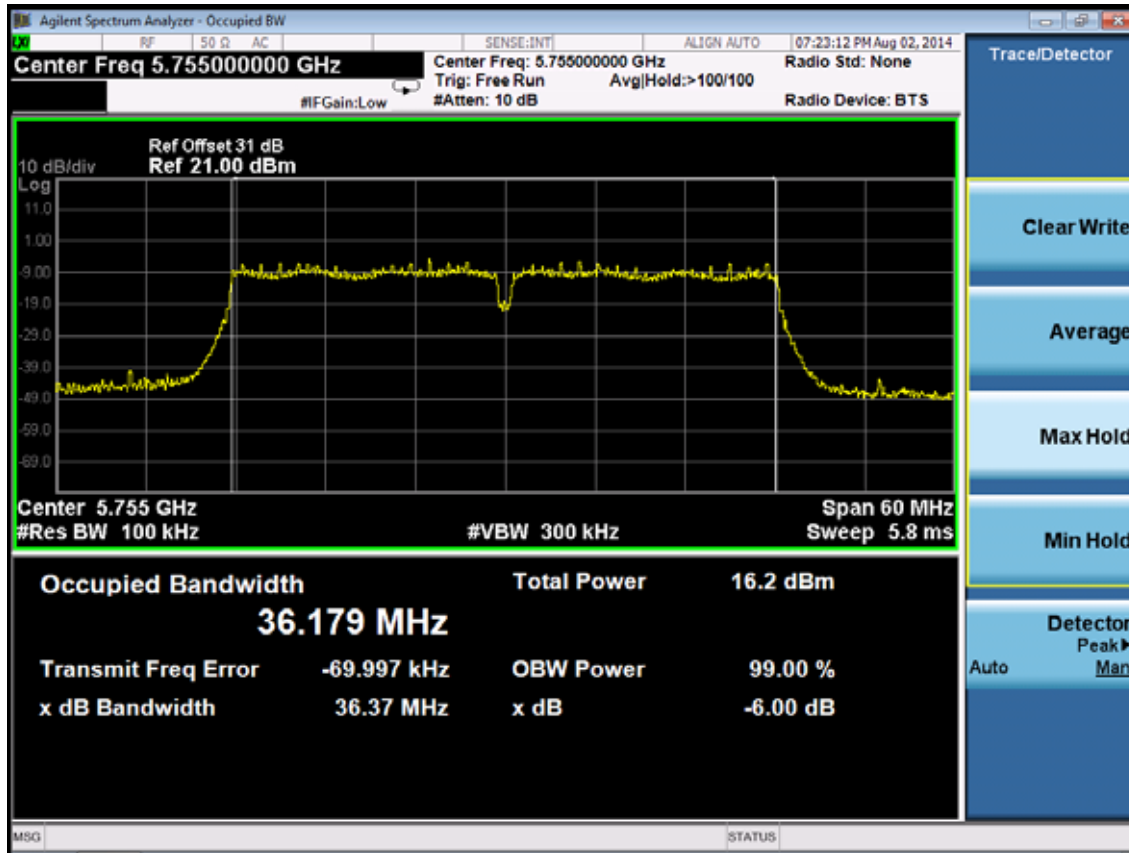


Test CH165: 5825MHz

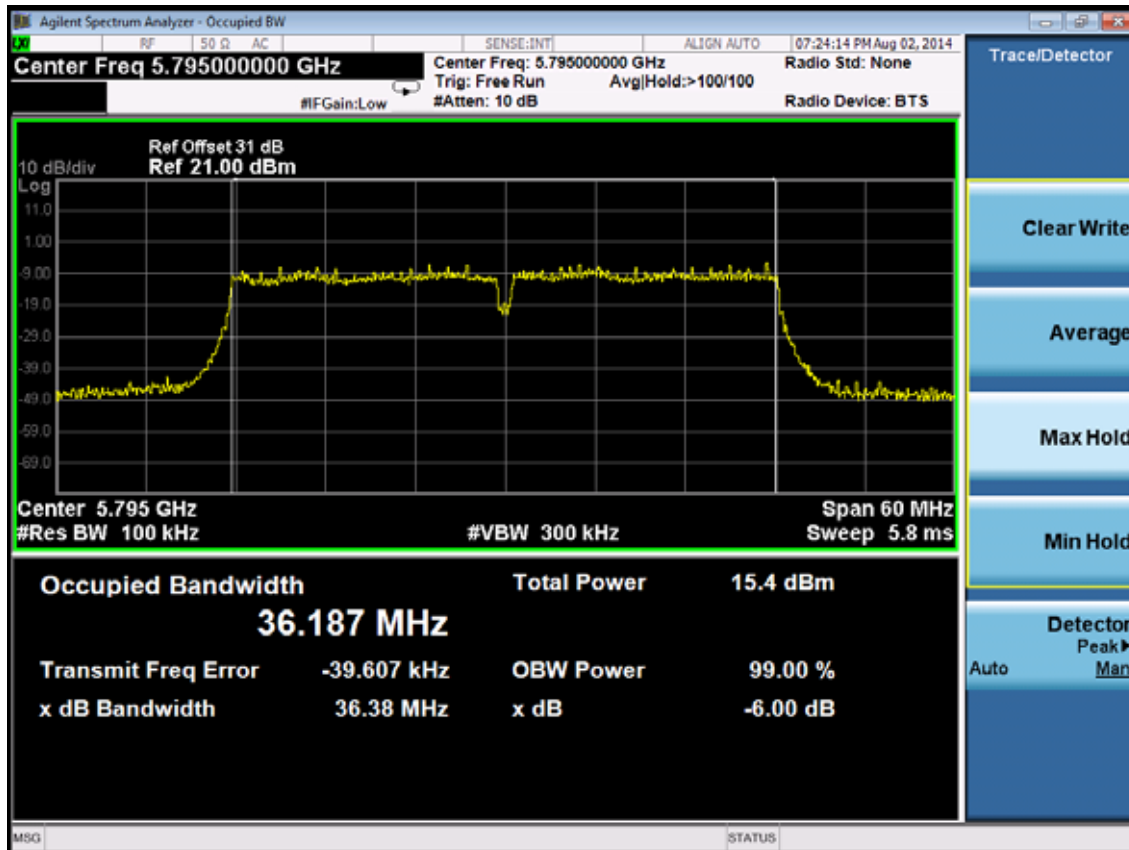


Test Mode: IEEE 802.11n HT40 TX

Test CH151: 5755MHz



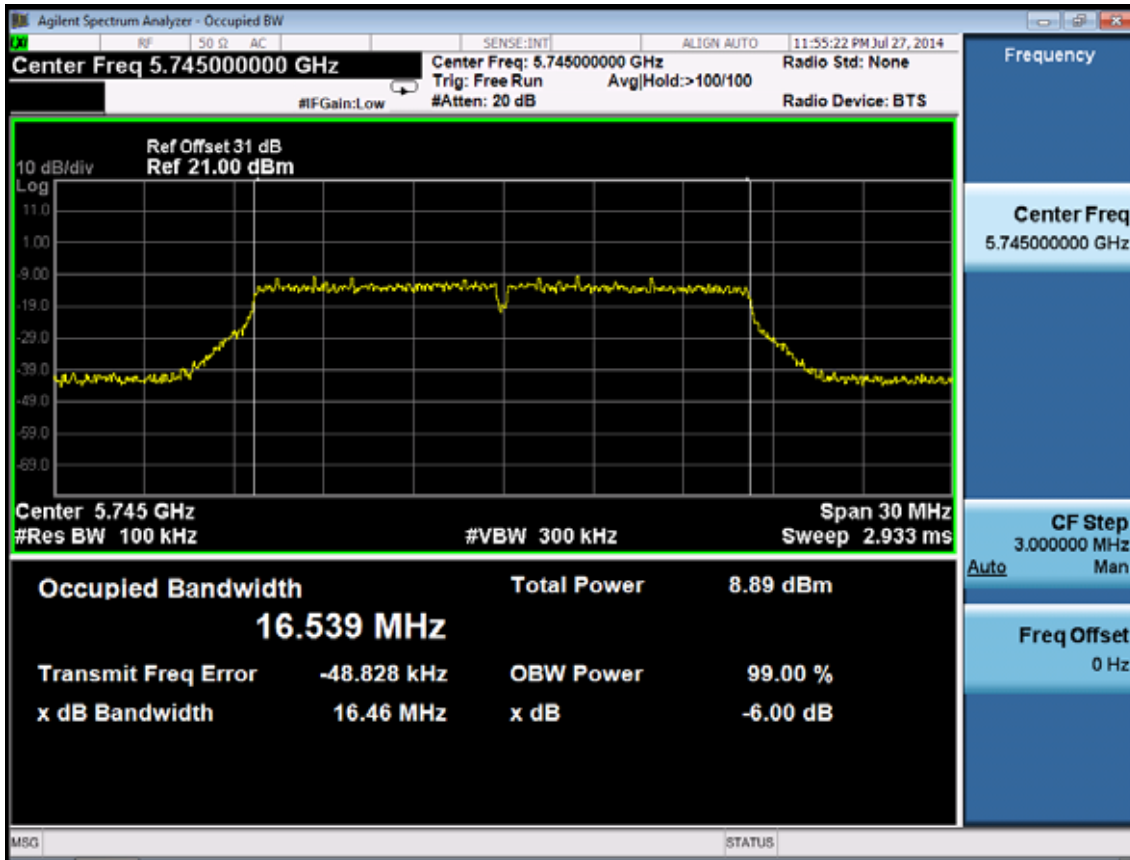
Test CH159: 5795MHz



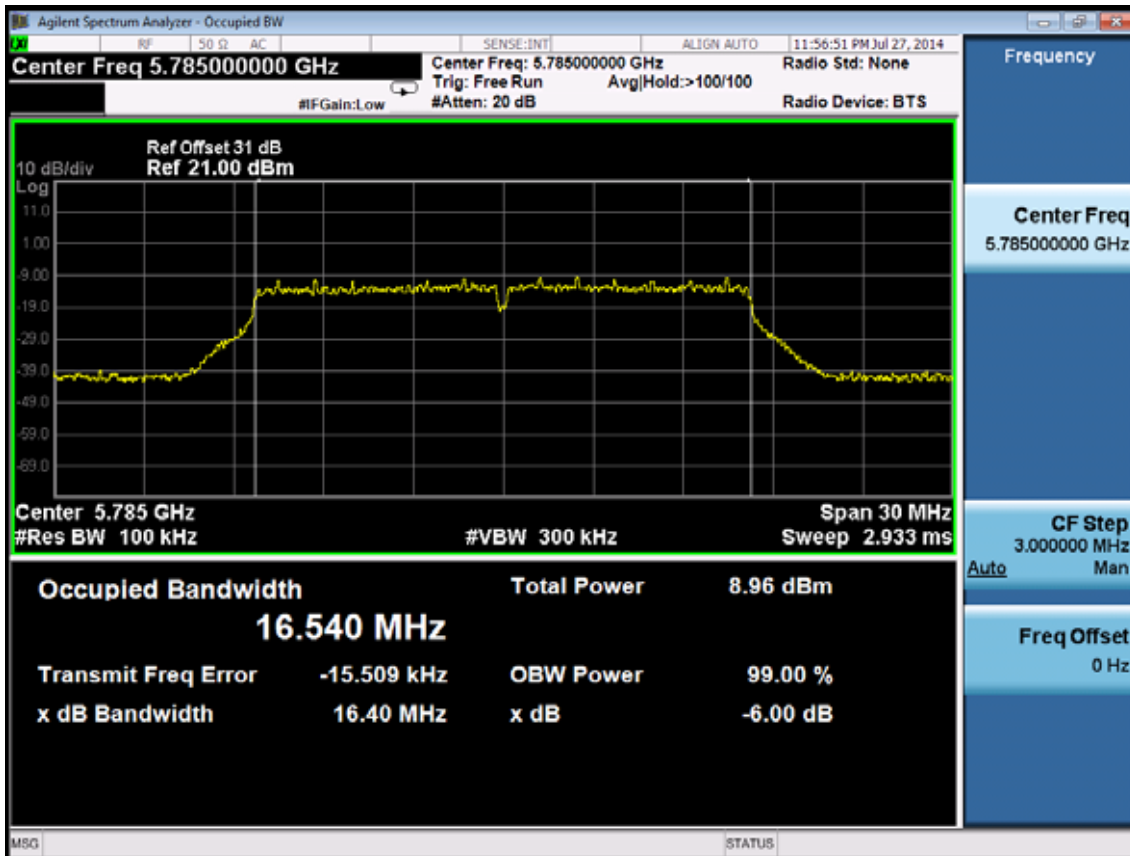
Chain 2:

Test Mode: IEEE 802.11a TX

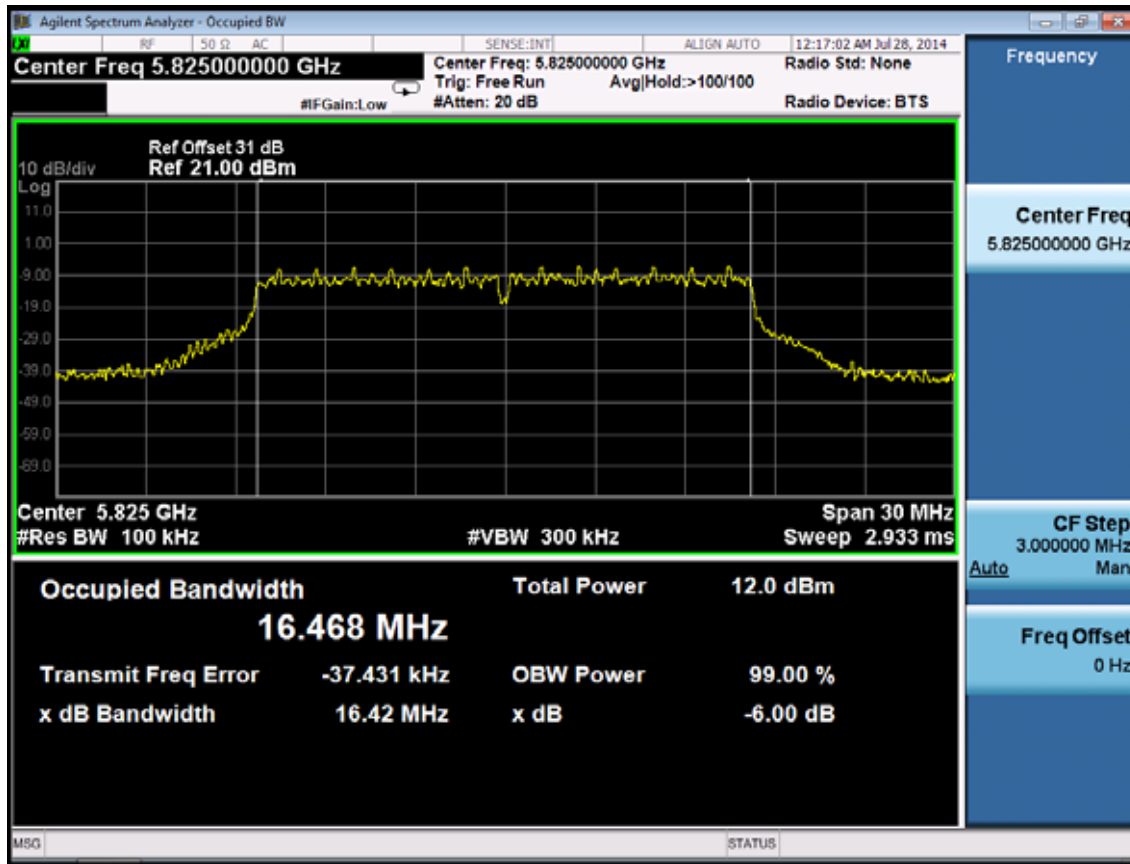
Test CH149: 5745MHz



Test CH157: 5785MHz

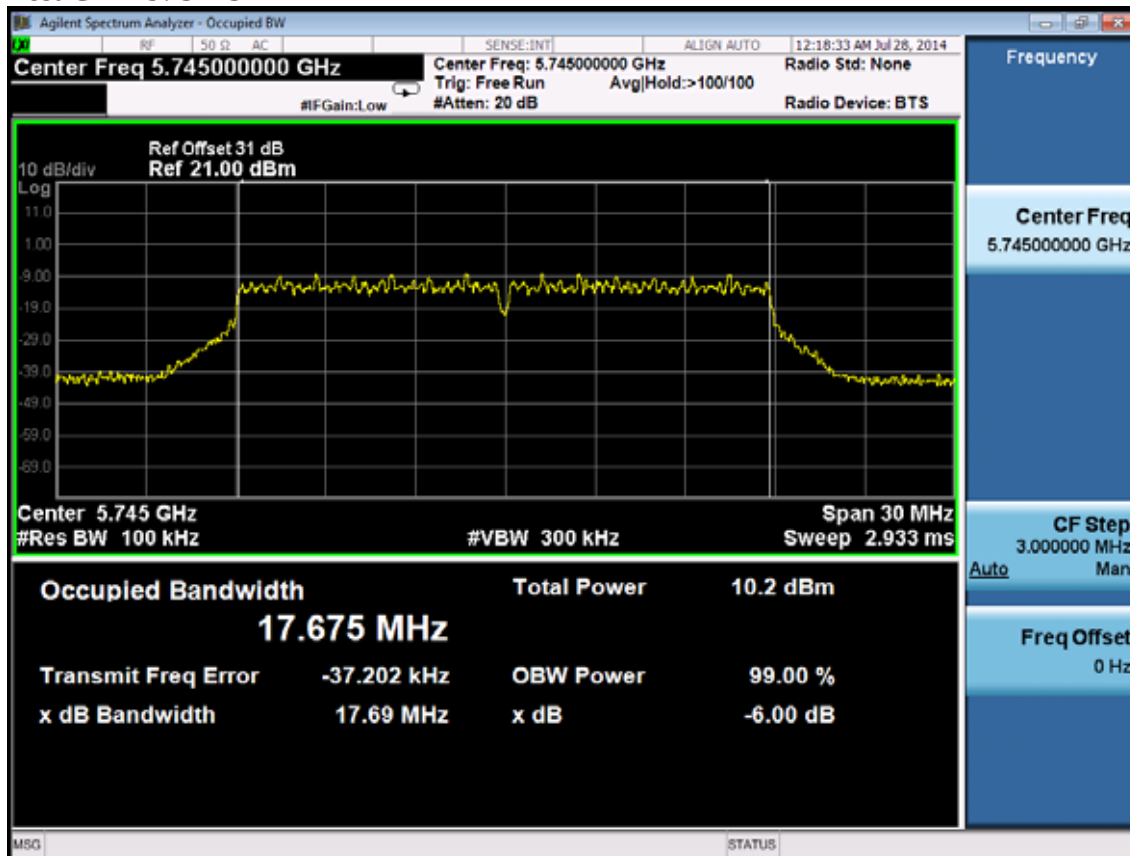


Test CH165: 5825MHz

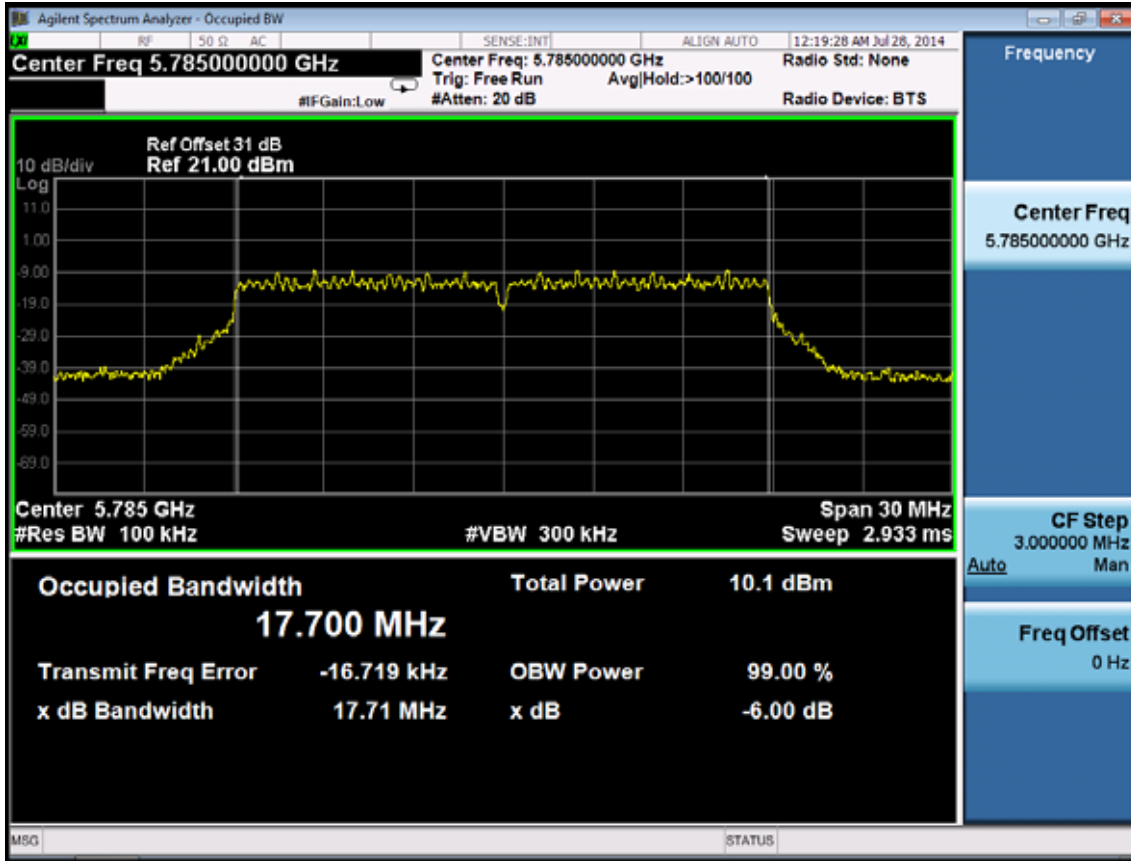


Test Mode: IEEE 802.11n HT20 TX

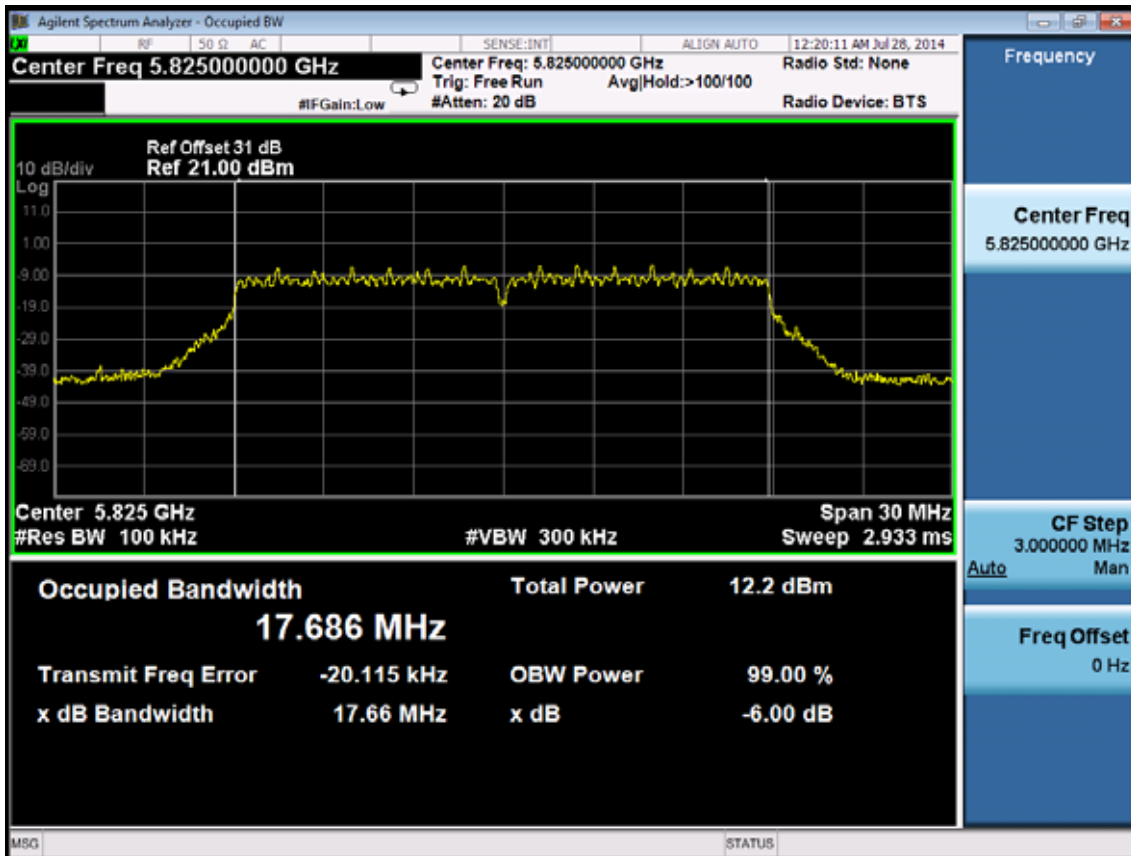
Test CH149: 5745MHz



Test CH157: 5785MHz

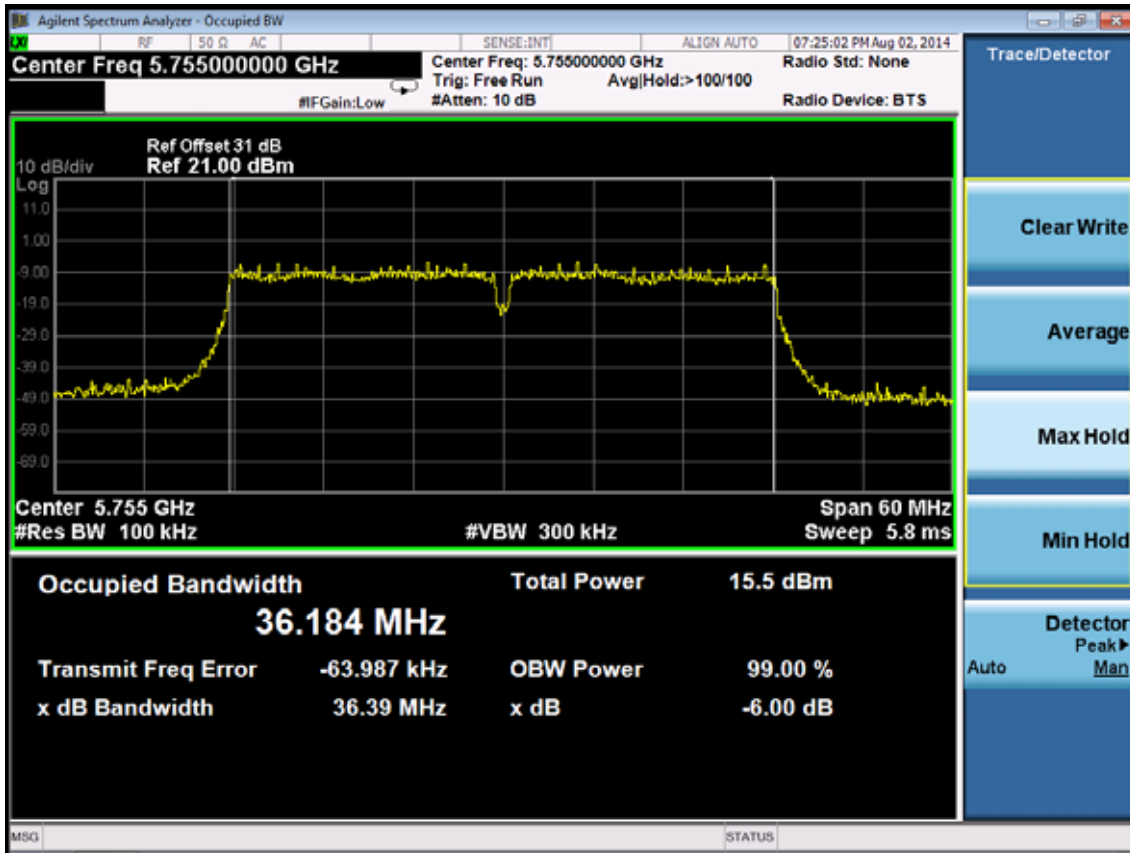


Test CH165: 5825MHz

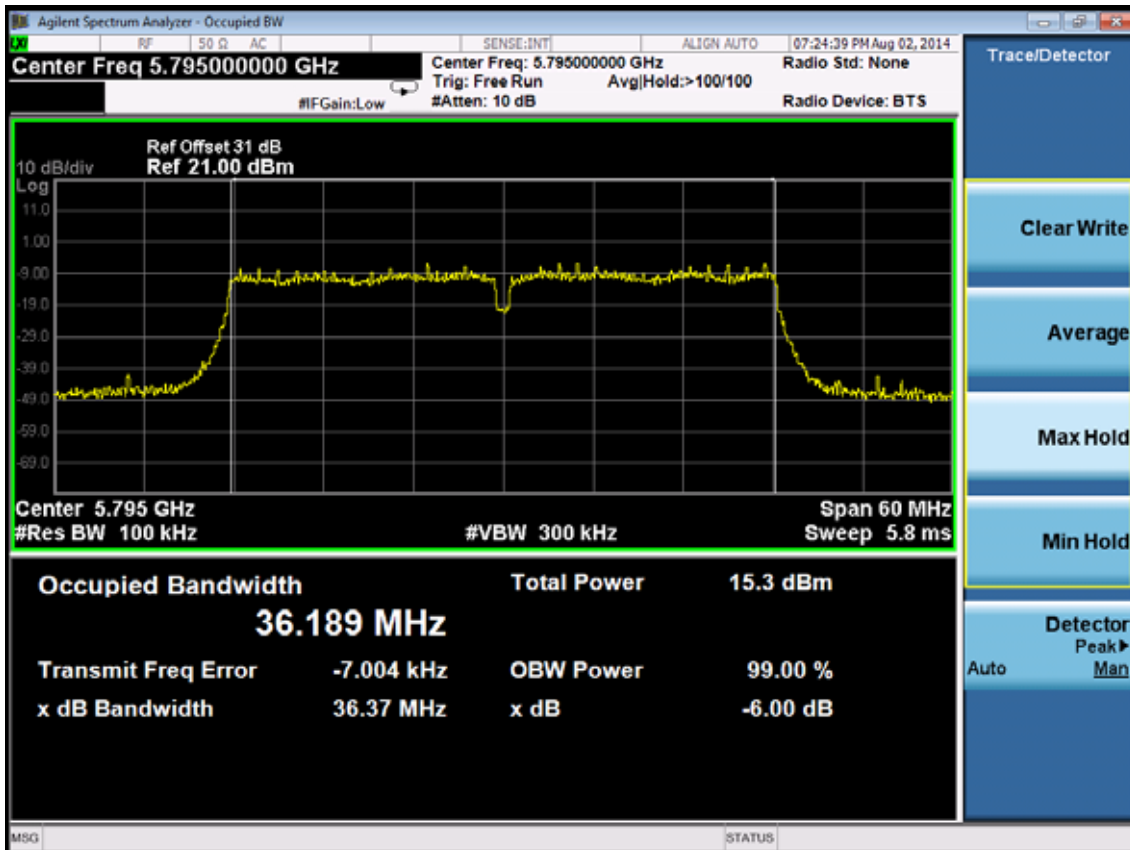


Test Mode: IEEE 802.11n HT40 TX

Test CH151: 5755MHz



Test CH159: 5795MHz



## 8. OUTPUT POWER TEST

### 8.1. Test Equipment

| Item | Equipment         | Manufacturer | Model No.   | Serial No. | Last Cal.  | Cal. Interval |
|------|-------------------|--------------|-------------|------------|------------|---------------|
| 1.   | Spectrum          | Agilent      | N9030A      | MY51380221 | Oct.31, 12 | 1 Year        |
| 2.   | Spectrum          | Agilent      | N9030A      | MY51380221 | Oct.31, 13 | 1 Year        |
| 3.   | RF Cable          | Hubersuhne   | Sucoflex104 | -          | May.08, 13 | 1 Year        |
| 4.   | RF Cable          | Hubersuhner  | SUCOFLEX102 | 28610/2    | Apr. 28,14 | 1 Year        |
| 5.   | Power Meter       | Anritsu      | ML2487A     | 6K00002472 | May.08, 13 | 1 Year        |
| 6.   | Power Sensor      | Anritsu      | MA2491A     | 033005     | May.08, 13 | 1 Year        |
| 7.   | Attenuator (20dB) | Agilent      | 8491B       | MY39262165 | Apr. 28,14 | 1 Year        |

### 8.2. Limit (FCC Part 15C 15.247 b(3))

For systems using digital modulation in the 2400—2483.5MHz, 5725-5850MHz, The Peak out put Power shall not exceed 1W(30dBm)

### 8.3. Test Procedure

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

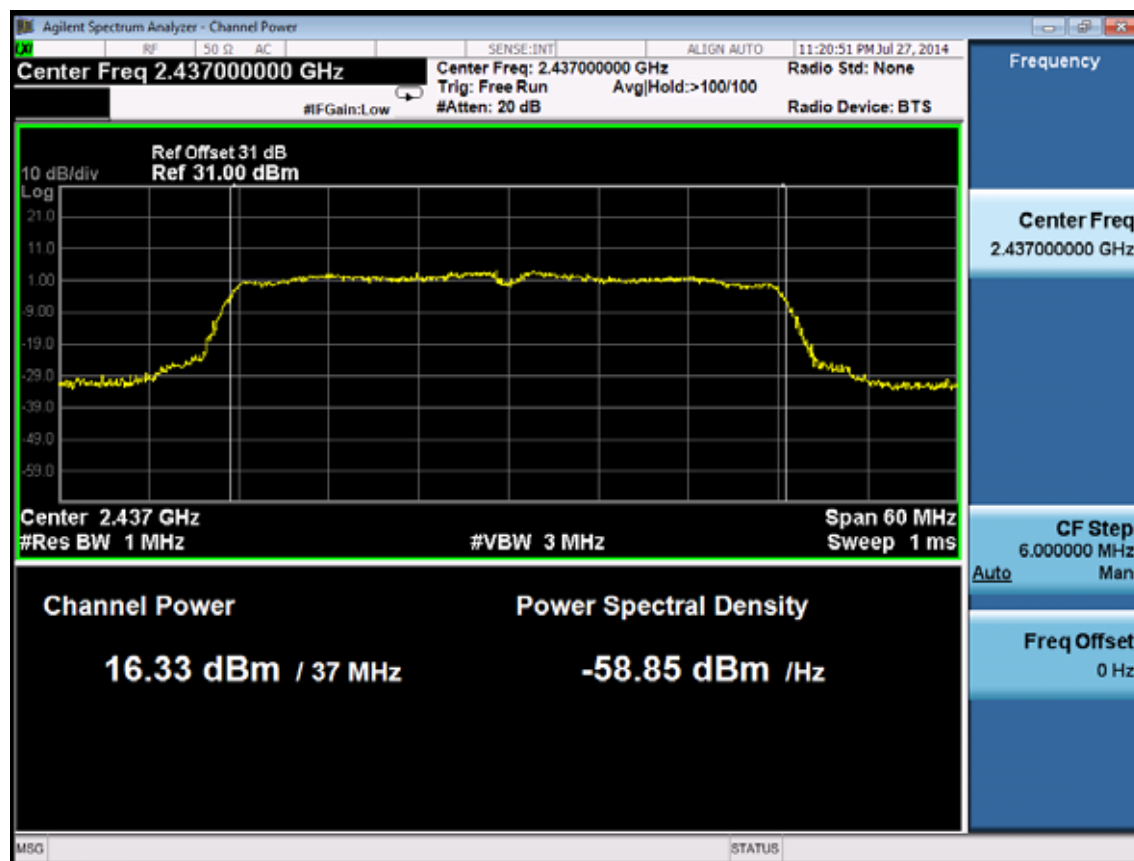
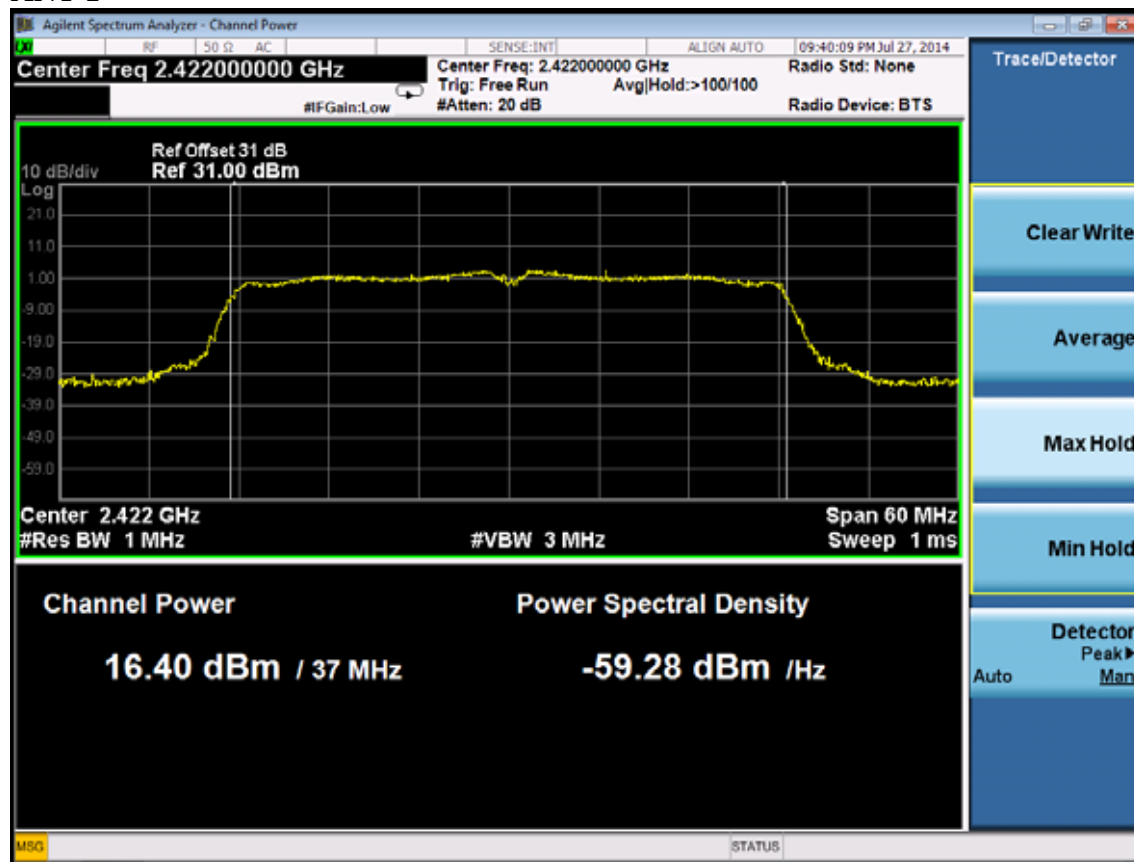
## 8.4.Test Results

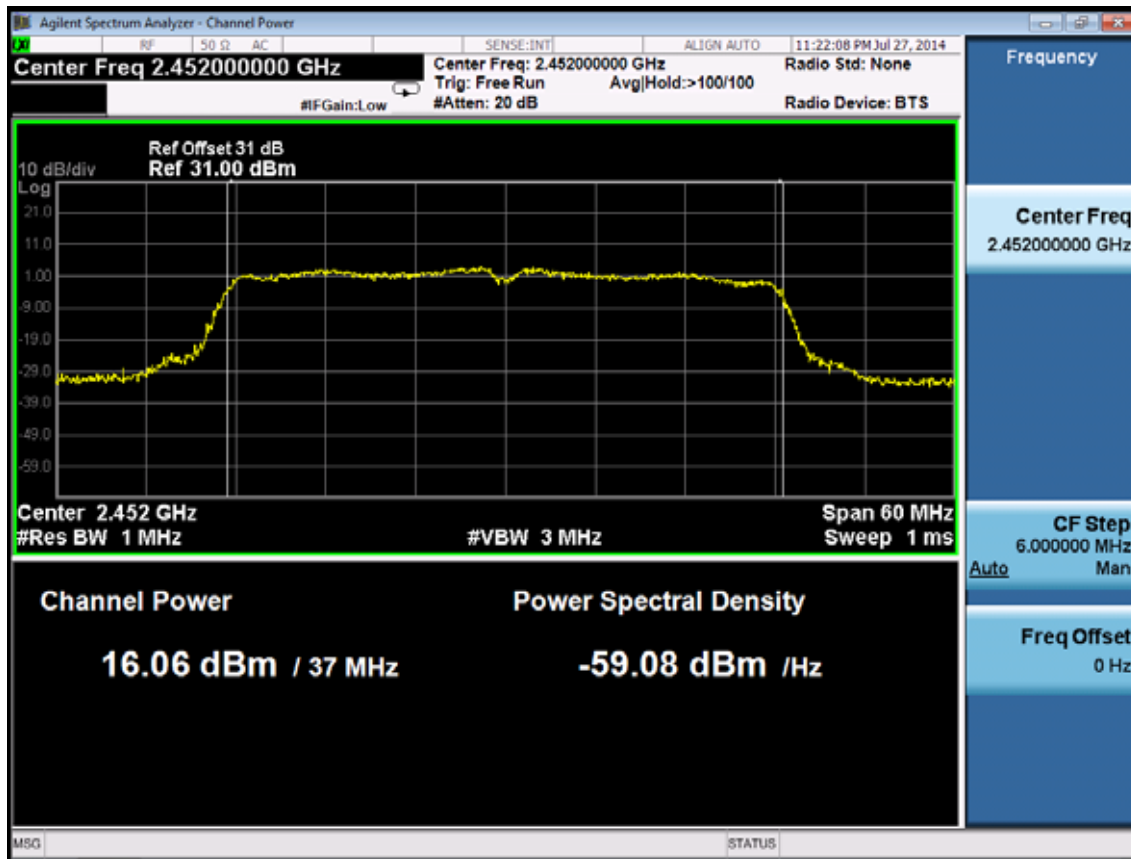
### 2.4G:

| EUT:A8n Super WiFi Base Station |      |                              |                        |                         |                |
|---------------------------------|------|------------------------------|------------------------|-------------------------|----------------|
| M/N:WA8011N-X                   |      |                              |                        |                         |                |
| Test date: 2014-07-28           |      | Pressure: 101.2±1.0 kpa      |                        | Humidity: 51.3±3.0%     |                |
| Tested by: Kevin_Hu             |      | Test site: RF site           |                        | Temperature:22.3±0.6 °C |                |
|                                 |      |                              |                        |                         |                |
| Cable loss: 1 dB                |      |                              | Attenuator loss: 20 dB |                         |                |
| Test Mode                       | CH   | Peak output Power<br>( dBm ) |                        |                         | Limit<br>(dBm) |
|                                 |      | ANT1                         | ANT2                   | Total                   |                |
| 11b                             | CH1  | 18.75                        | 17.57                  | 21.21                   | 22             |
|                                 | CH6  | 18.68                        | 17.55                  | 21.16                   | 22             |
|                                 | CH11 | 18.54                        | 17.68                  | 21.14                   | 22             |
| 11g                             | CH1  | 18.5                         | 17.47                  | 21.03                   | 22             |
|                                 | CH6  | 18.56                        | 17.76                  | 20.19                   | 22             |
|                                 | CH11 | 18.39                        | 17.34                  | 20.91                   | 22             |
| 11n<br>HT20                     | CH1  | 18.31                        | 17.66                  | 21.01                   | 22             |
|                                 | CH6  | 18.37                        | 17.79                  | 21.10                   | 22             |
|                                 | CH11 | 18.45                        | 17.62                  | 21.07                   | 22             |
| 11n<br>HT40                     | CH1  | 16.40                        | 16.32                  | 19.37                   | 22             |
|                                 | CH4  | 16.33                        | 16.41                  | 19.38                   | 22             |
|                                 | CH7  | 16.06                        | 16.33                  | 19.21                   | 22             |
| Conclusion: PASS                |      |                              |                        |                         |                |

Test Mode: IEEE 802.11n HT40

ANT 1





ANT 2

