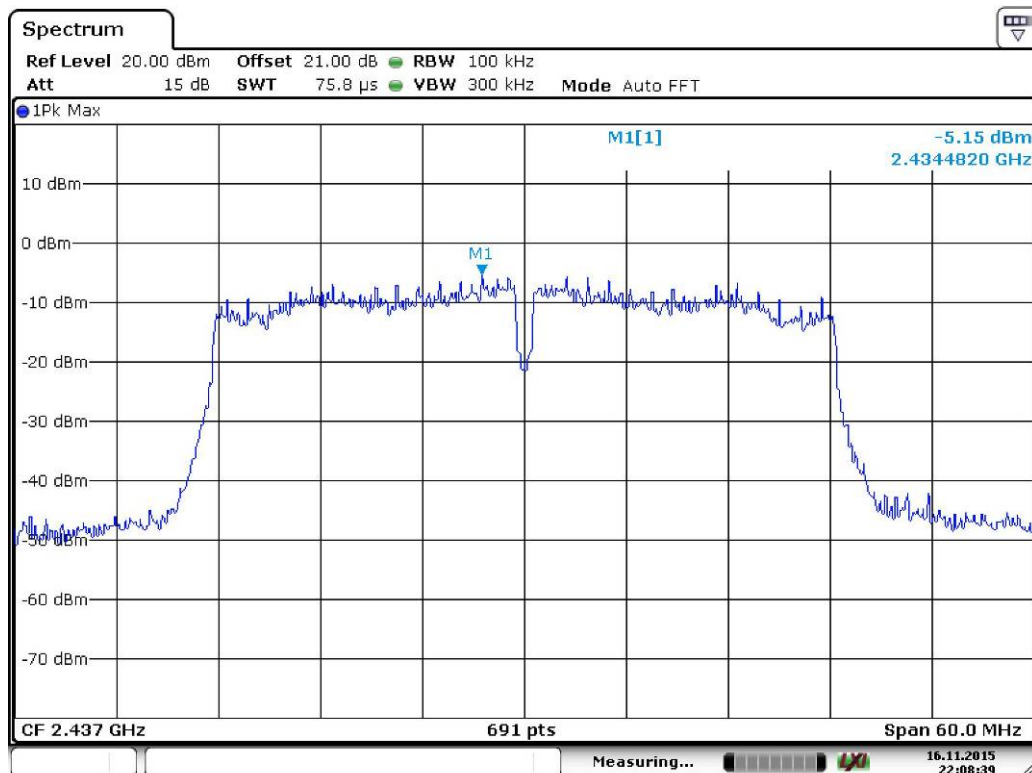
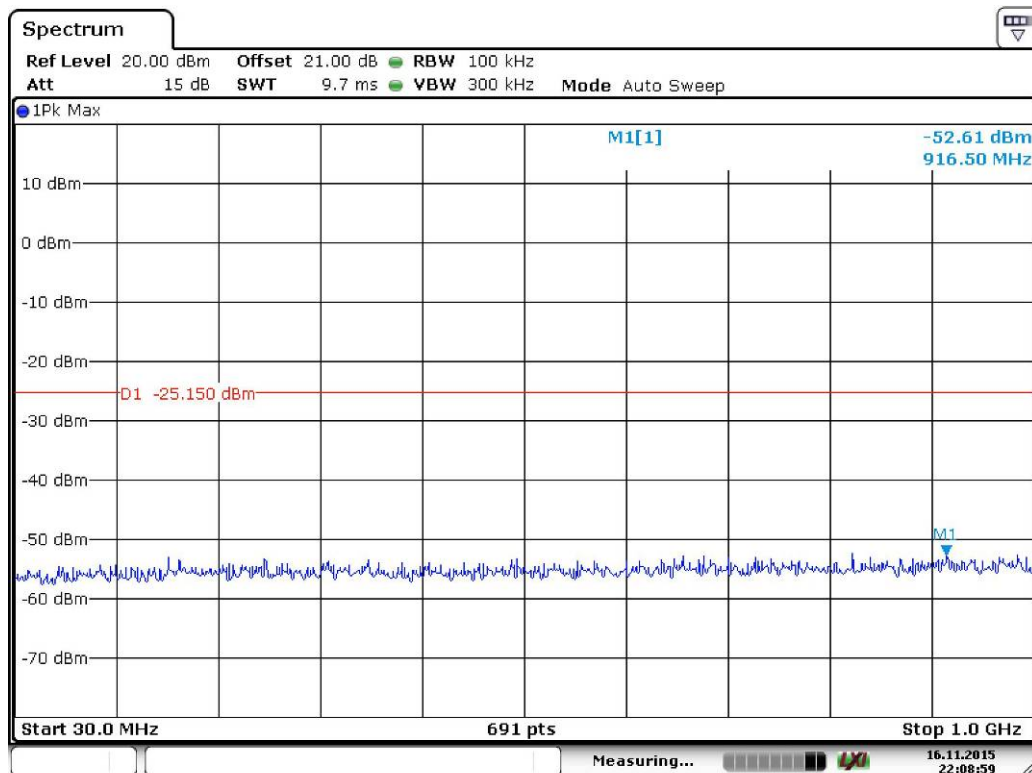


802.11n40 mode:  
Channel 2437MHz  
reference level:



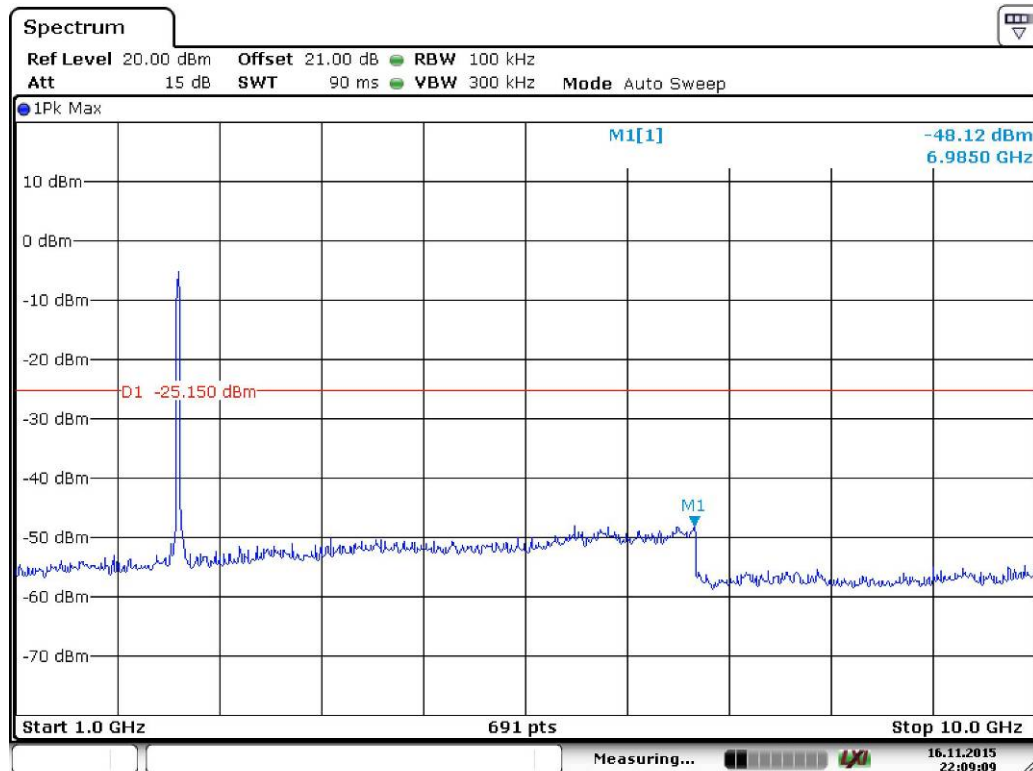
Date: 16.NOV.2015 22:08:39

30M-1G



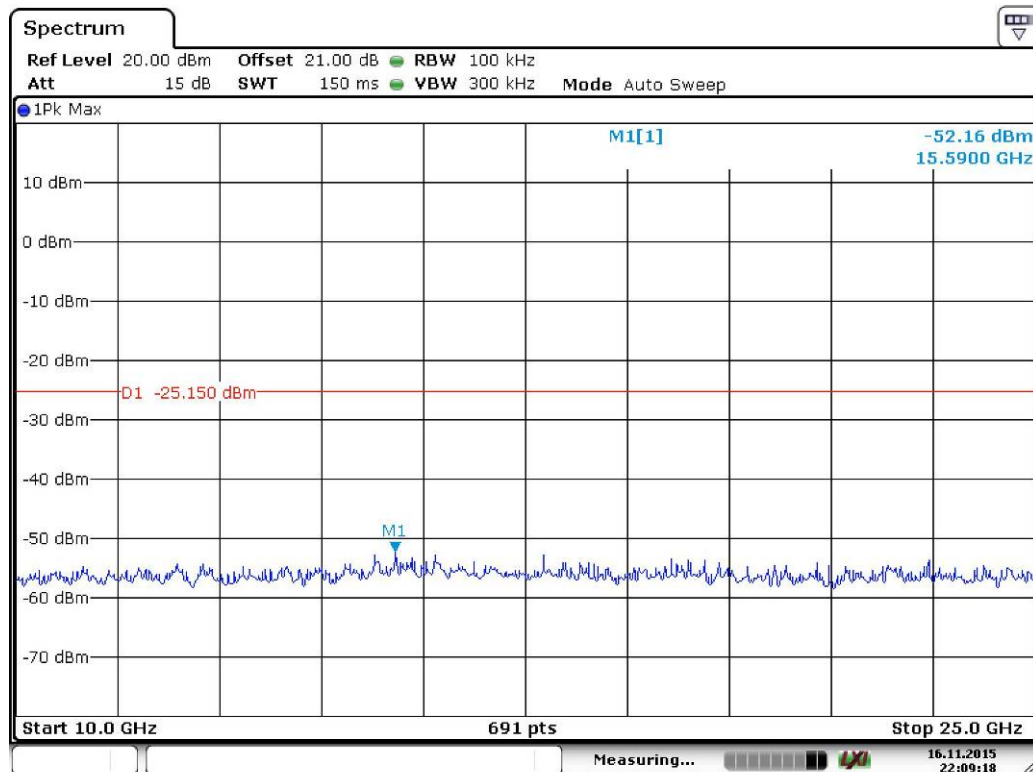
Date: 16.NOV.2015 22:08:59

## 1G-10G



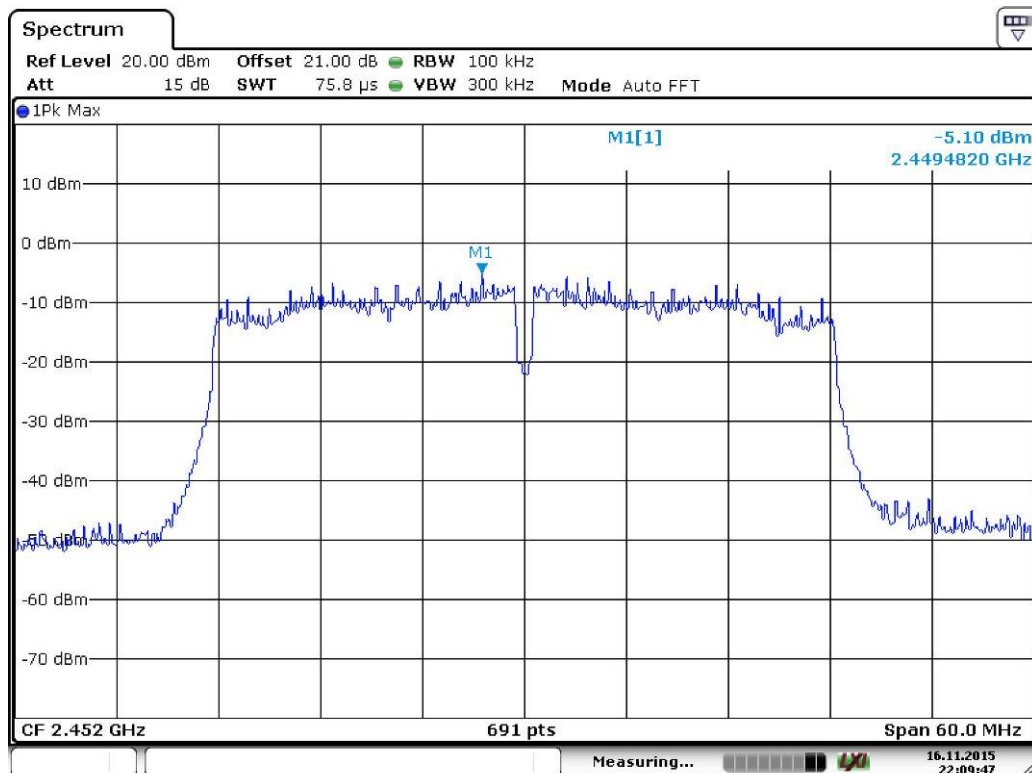
Date: 16.NOV.2015 22:09:08

## 10G-25G



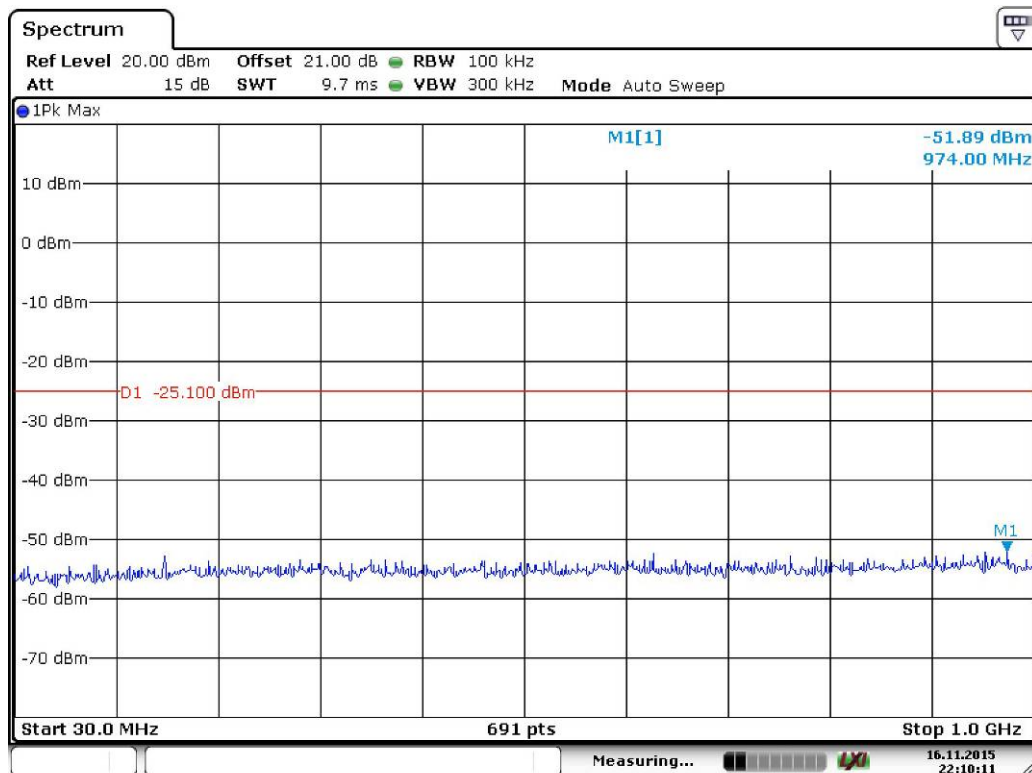
Date: 16.NOV.2015 22:09:18

802.11n40 mode:  
Channel 2452MHz  
reference level:



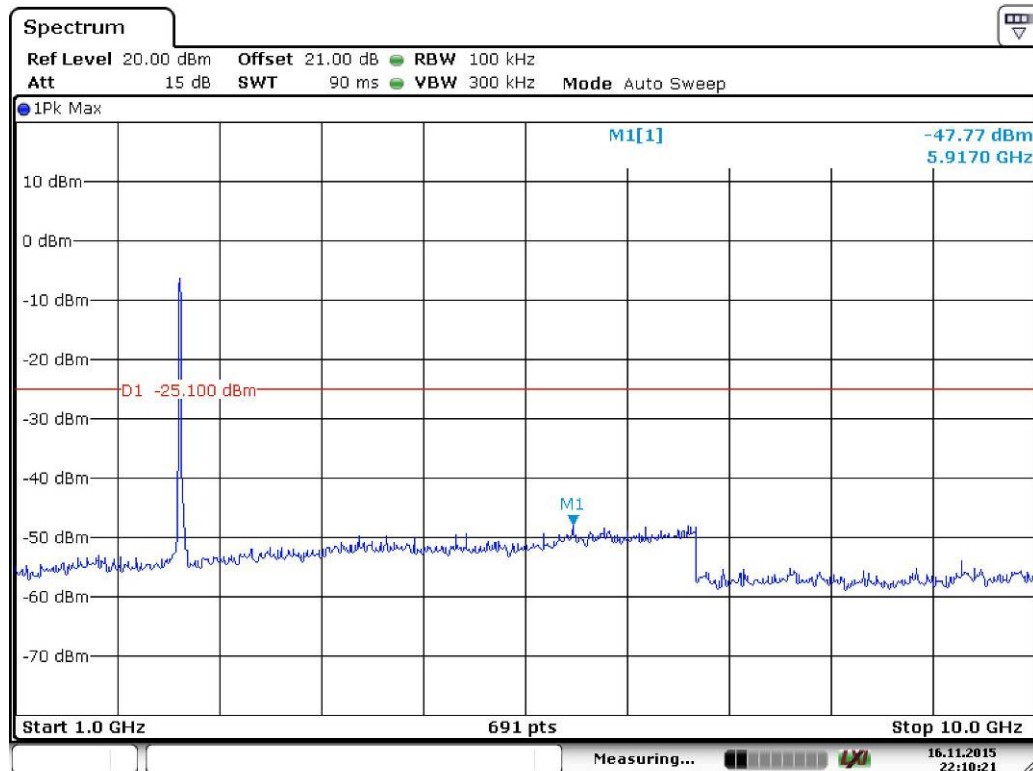
Date: 16.NOV.2015 22:09:48

30M-1G



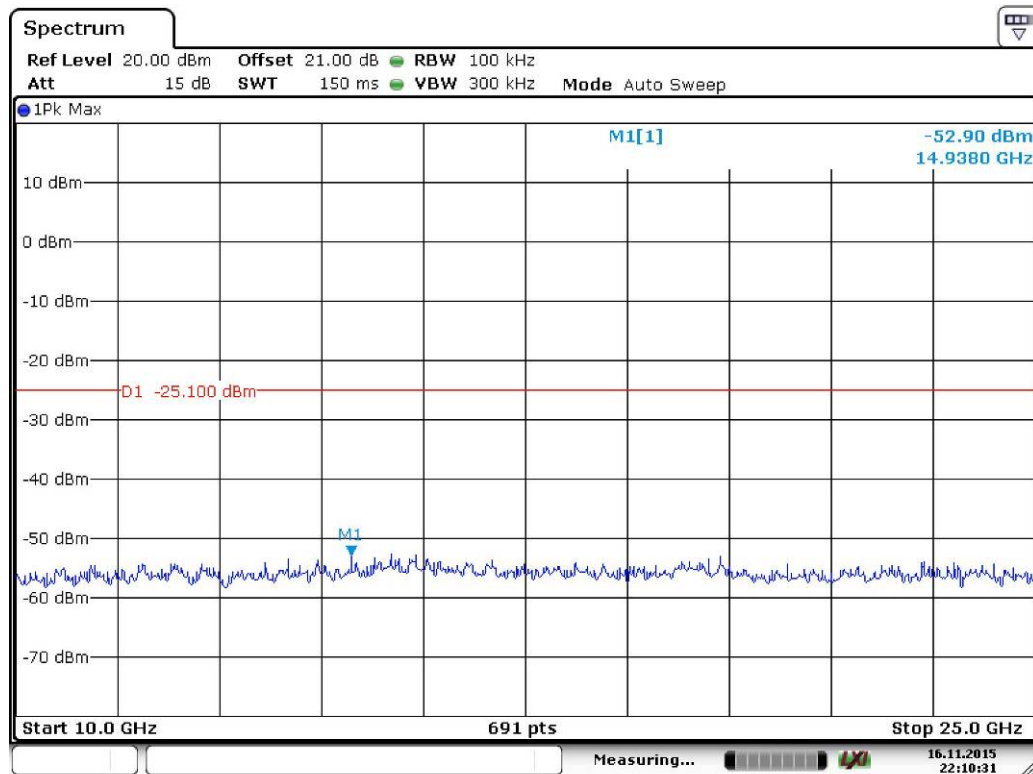
Date: 16.NOV.2015 22:10:11

## 1G-10G



Date: 16.NOV.2015 22:10:21

## 10G-25G



Date: 16.NOV.2015 22:10:31

## **11. EMISSIONS IN RESTRICTED FREQUENCY BANDS**

### **11.1 LIMITS**

The DTS rules specify that emissions which fall into restricted frequency bands shall comply with the general radiated emission limits..

### **11.2 TEST PROCEDURES**

Test procedures follow KDB 558074 D01 DTS Meas Guidance v03r01.

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set the analyzer span to encompass the entire unwanted emission bandwidth above the measurement system noise level.
4. When Detector = peak, Set the RBW = 1 MHz. Set the VBW  $\geq$  3 MHz. Ensure that the number of measurement points in the sweep  $\geq 2 \times (\text{span/RBW})$ . Set sweep time = auto couple. When Detector = average. Set the RBW = 1 MHz. Set the VBW = 10Hz. Ensure that the number of measurement points in the sweep  $\geq 2 \times (\text{span/RBW})$ . Set sweep time = auto couple. Employ trace averaging over a minimum of 100 traces.
5. Use the peak marker function to determine the maximum average power level in any 1 MHz of the unwanted emission.
6. Repeat above procedures until all measured frequencies were complete.

Note: If the Peak value below the AV limit, the AV test does not perform for this submission.

### 11.3 TEST SETUP

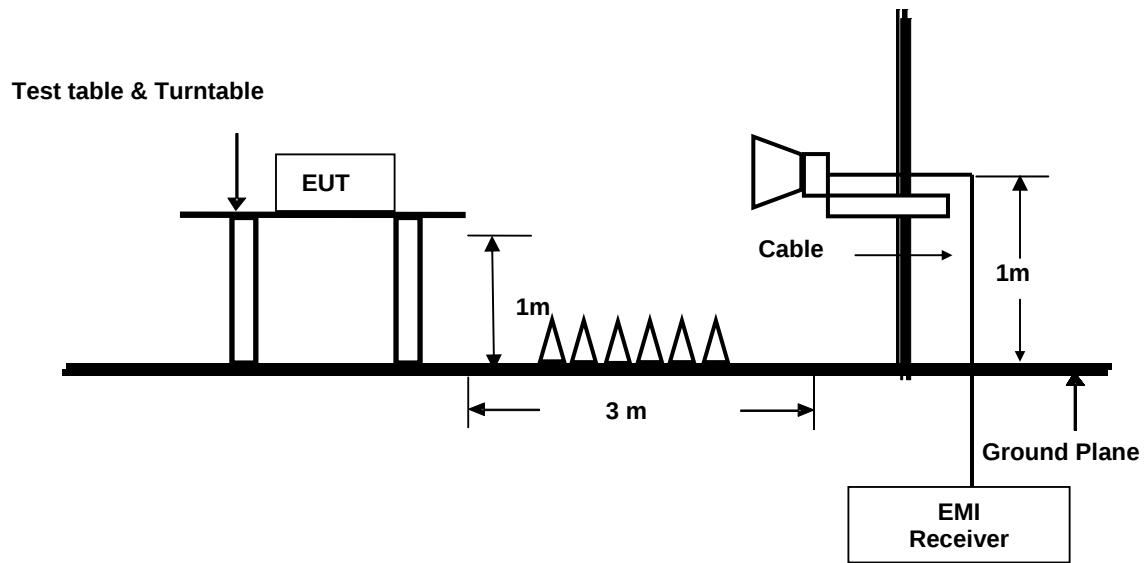
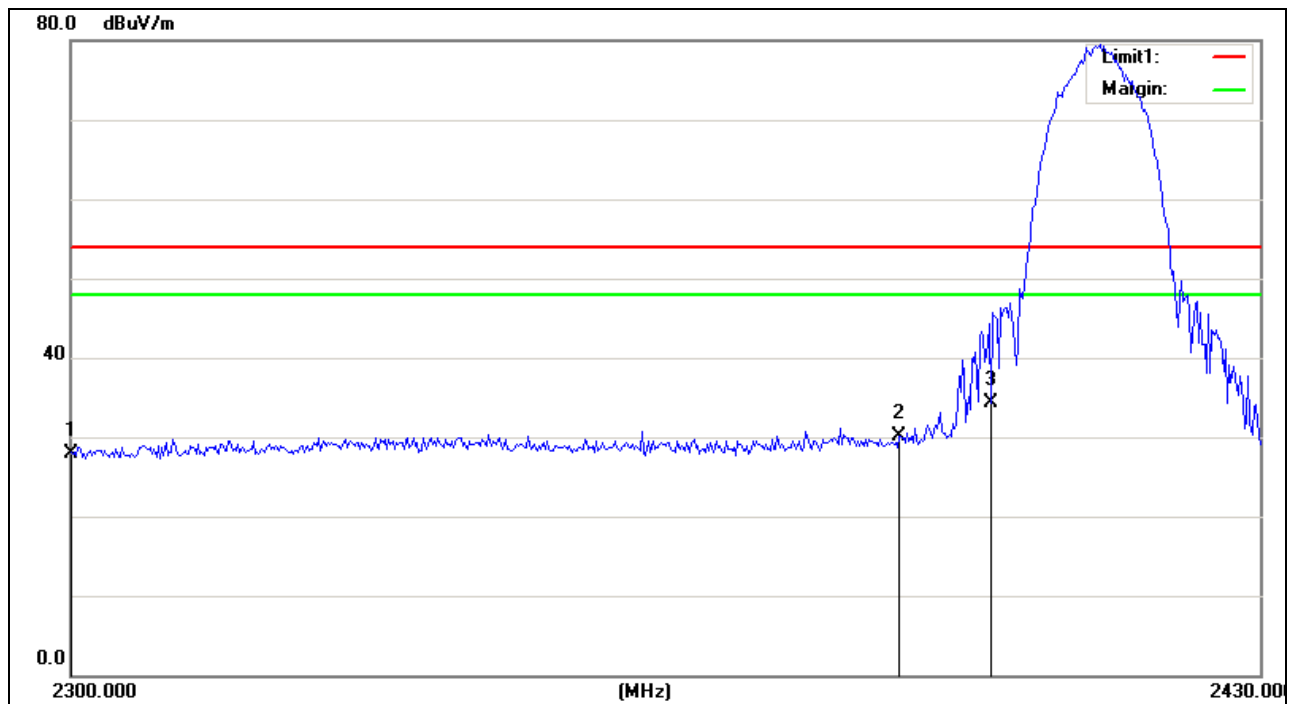


Figure 1. Above 1GHz radiated emissions test configuration

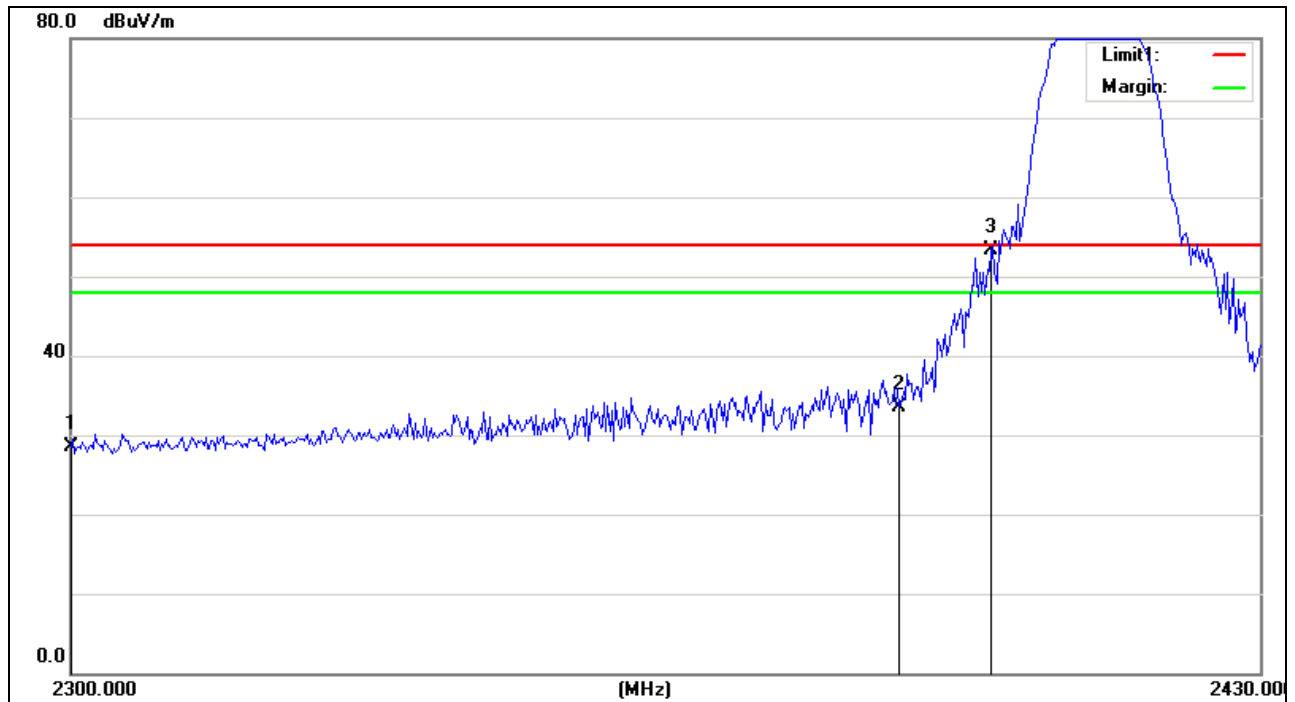
## 11.4 TEST RESULTS

|                         |                                       |                      |                     |
|-------------------------|---------------------------------------|----------------------|---------------------|
| <b>Project No.:</b>     | <b>E201510156977</b>                  | <b>Polarziation:</b> | <b>Vertical</b>     |
| <b>Standard:</b>        | <b>(RE)FCC PART 15 class B 3m_AVG</b> | <b>Power Source:</b> | <b>AC 120V/60Hz</b> |
| <b>Test item:</b>       | <b>Radiation Test</b>                 | <b>Date:</b>         | <b>2015-11-16</b>   |
| <b>Temp./Hum.(%RH):</b> | <b>23.9/57%RH</b>                     | <b>Time:</b>         | <b>17:33:29</b>     |
| <b>EUT:</b>             | <b>SPOT</b>                           | <b>Distance:</b>     | <b>3m</b>           |
| <b>Model:</b>           | <b>iSC5</b>                           | <b>Test Result:</b>  | <b>Pass</b>         |
| <b>Note:</b>            | <b>B-2412</b>                         |                      |                     |
| <b>Test By:</b>         | <b>Brian Xiao</b>                     |                      |                     |



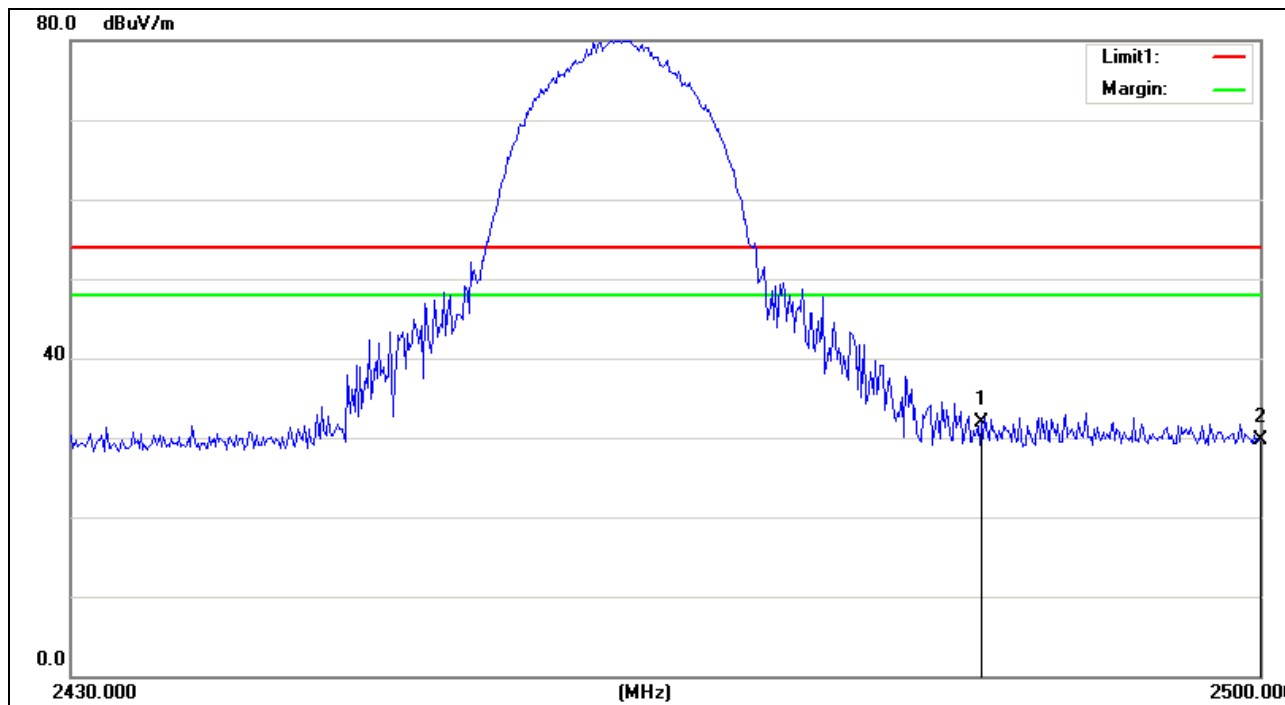
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2300.000           | 27.58               | 0.42                    | 28.00              | 54.00             | -26.00         | peak   |
| 2   | 2390.000           | 29.64               | 0.55                    | 30.19              | 54.00             | -23.81         | peak   |
| 3   | 2400.000           | 33.81               | 0.56                    | 34.37              | 54.00             | -19.63         | peak   |

|                         |                                       |                      |                     |
|-------------------------|---------------------------------------|----------------------|---------------------|
| <b>Project No.:</b>     | <b>E201510156977</b>                  | <b>Polarization:</b> | <b>Horizontal</b>   |
| <b>Standard:</b>        | <b>(RE)FCC PART 15 class B 3m_AVG</b> | <b>Power Source:</b> | <b>AC 120V/60Hz</b> |
| <b>Test item:</b>       | <b>Radiation Test</b>                 | <b>Date:</b>         | <b>2015-11-16</b>   |
| <b>Temp./Hum.(%RH):</b> | <b>23.9/57%RH</b>                     | <b>Time:</b>         | <b>17:31:55</b>     |
| <b>EUT:</b>             | <b>SPOT</b>                           | <b>Distance:</b>     | <b>3m</b>           |
| <b>Model:</b>           | <b>iSC5</b>                           | <b>Test Result:</b>  | <b>Pass</b>         |
| <b>Note:</b>            | <b>B-2412</b>                         |                      |                     |
| <b>Test By:</b>         | <b>Brian Xiao</b>                     |                      |                     |



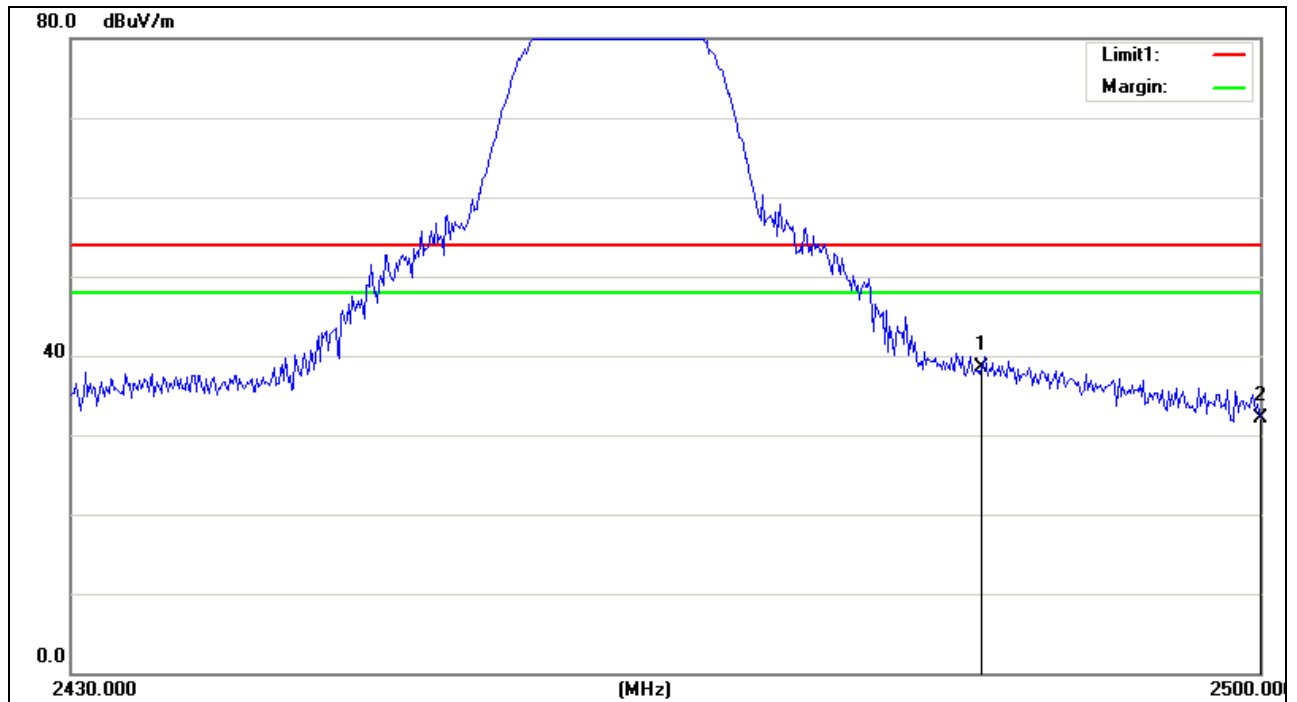
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2300.000           | 28.08               | 0.42                    | 28.50              | 54.00             | -25.50         | peak   |
| 2   | 2390.000           | 33.01               | 0.55                    | 33.56              | 54.00             | -20.44         | peak   |
| 3   | 2400.000           | 52.65               | 0.56                    | 53.21              | 54.00             | -0.79          | peak   |

|                         |                                       |                      |                     |
|-------------------------|---------------------------------------|----------------------|---------------------|
| <b>Project No.:</b>     | <b>E201510156977</b>                  | <b>Polarziation:</b> | <b>Vertical</b>     |
| <b>Standard:</b>        | <b>(RE)FCC PART 15 class B 3m_AVG</b> | <b>Power Source:</b> | <b>AC 120V/60Hz</b> |
| <b>Test item:</b>       | <b>Radiation Test</b>                 | <b>Date:</b>         | <b>2015-11-16</b>   |
| <b>Temp./Hum.(%RH):</b> | <b>23.9/57%RH</b>                     | <b>Time:</b>         | <b>17:59:09</b>     |
| <b>EUT:</b>             | <b>SPOT</b>                           | <b>Distance:</b>     | <b>3m</b>           |
| <b>Model:</b>           | <b>iSC5</b>                           | <b>Test Result:</b>  | <b>Pass</b>         |
| <b>Note:</b>            | <b>B-2462</b>                         |                      |                     |
| <b>Test By:</b>         | <b>Brian Xiao</b>                     |                      |                     |



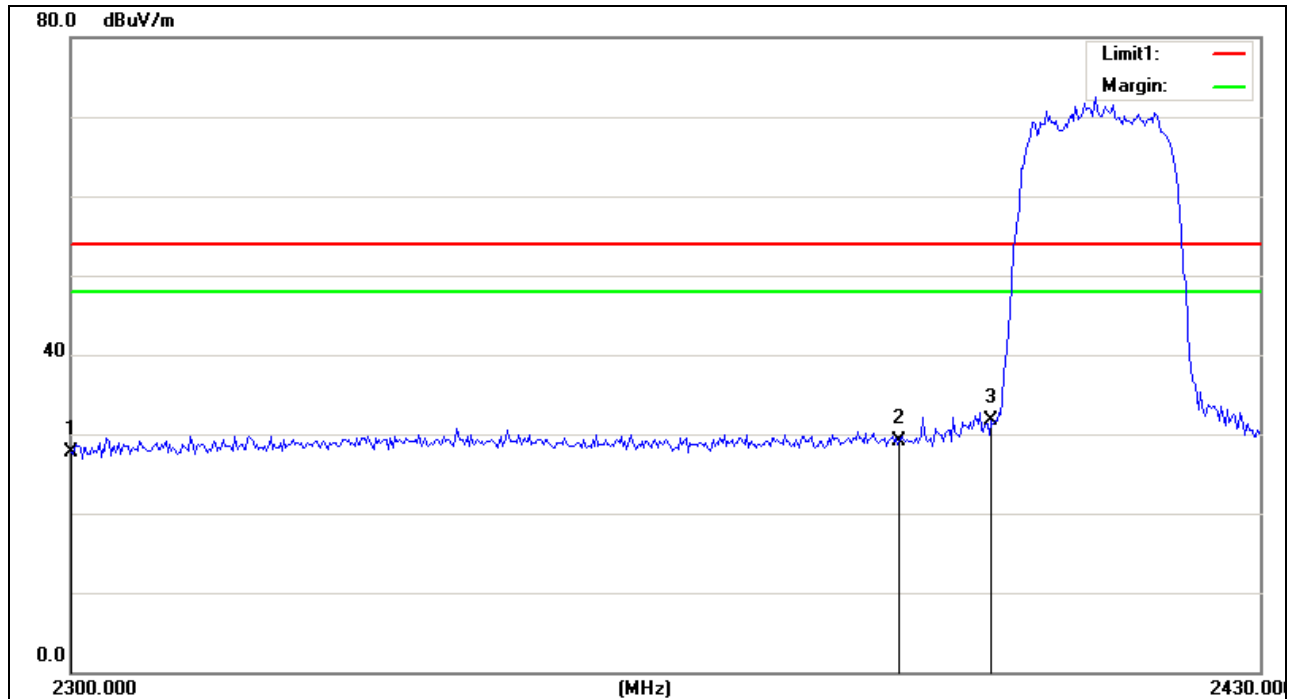
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2483.500           | 31.37               | 0.61                    | 31.98              | 54.00             | -22.02         | peak   |
| 2   | 2500.000           | 29.01               | 0.62                    | 29.63              | 54.00             | -24.37         | peak   |

|                         |                                       |                      |                     |
|-------------------------|---------------------------------------|----------------------|---------------------|
| <b>Project No.:</b>     | <b>E201510156977</b>                  | <b>Polarziation:</b> | <b>Horizontal</b>   |
| <b>Standard:</b>        | <b>(RE)FCC PART 15 class B 3m_AVG</b> | <b>Power Source:</b> | <b>AC 120V/60Hz</b> |
| <b>Test item:</b>       | <b>Radiation Test</b>                 | <b>Date:</b>         | <b>2015-11-16</b>   |
| <b>Temp./Hum.(%RH):</b> | <b>23.9/57%RH</b>                     | <b>Time:</b>         | <b>18:00:13</b>     |
| <b>EUT:</b>             | <b>SPOT</b>                           | <b>Distance:</b>     | <b>3m</b>           |
| <b>Model:</b>           | <b>iSC5</b>                           | <b>Test Result:</b>  | <b>Pass</b>         |
| <b>Note:</b>            | <b>B-2462</b>                         |                      |                     |
| <b>Test By:</b>         | <b>Brian Xiao</b>                     |                      |                     |



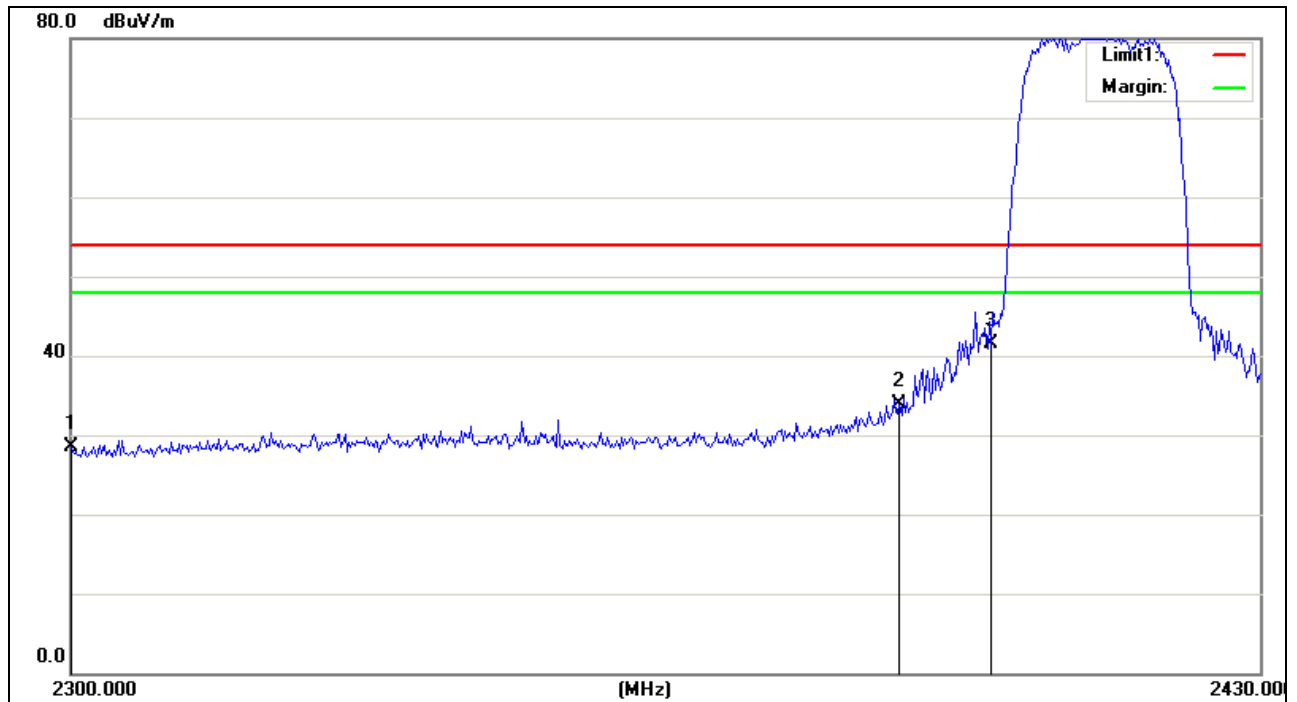
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2483.500           | 37.95               | 0.61                    | 38.56              | 54.00             | -15.44         | peak   |
| 2   | 2500.000           | 31.39               | 0.62                    | 32.01              | 54.00             | -21.99         | peak   |

|                         |                                       |                      |                     |
|-------------------------|---------------------------------------|----------------------|---------------------|
| <b>Project No.:</b>     | <b>E201510156977</b>                  | <b>Polarziation:</b> | <b>Vertical</b>     |
| <b>Standard:</b>        | <b>(RE)FCC PART 15 class B 3m_AVG</b> | <b>Power Source:</b> | <b>AC 120V/60Hz</b> |
| <b>Test item:</b>       | <b>Radiation Test</b>                 | <b>Date:</b>         | <b>2015-11-16</b>   |
| <b>Temp./Hum.(%RH):</b> | <b>23.9/57%RH</b>                     | <b>Time:</b>         | <b>17:40:54</b>     |
| <b>EUT:</b>             | <b>SPOT</b>                           | <b>Distance:</b>     | <b>3m</b>           |
| <b>Model:</b>           | <b>iSC5</b>                           | <b>Test Result:</b>  | <b>Pass</b>         |
| <b>Note:</b>            | <b>G-2412</b>                         |                      |                     |
| <b>Test By:</b>         | <b>Brian Xiao</b>                     |                      |                     |



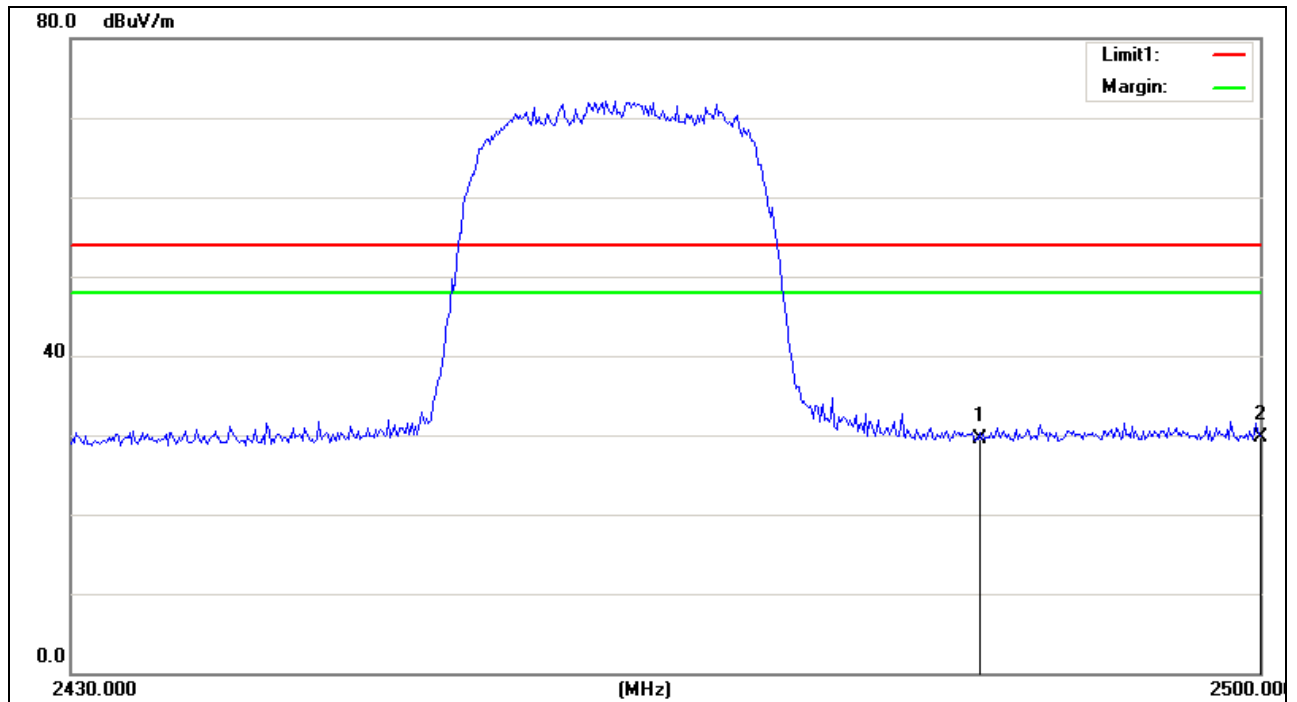
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2300.000           | 27.21               | 0.42                    | 27.63              | 54.00             | -26.37         | peak   |
| 2   | 2390.000           | 28.52               | 0.55                    | 29.07              | 54.00             | -24.93         | peak   |
| 3   | 2400.000           | 31.15               | 0.56                    | 31.71              | 54.00             | -22.29         | peak   |

|                         |                                       |                      |                     |
|-------------------------|---------------------------------------|----------------------|---------------------|
| <b>Project No.:</b>     | <b>E201510156977</b>                  | <b>Polarziation:</b> | <b>Horizontal</b>   |
| <b>Standard:</b>        | <b>(RE)FCC PART 15 class B 3m_AVG</b> | <b>Power Source:</b> | <b>AC 120V/60Hz</b> |
| <b>Test item:</b>       | <b>Radiation Test</b>                 | <b>Date:</b>         | <b>2015-11-16</b>   |
| <b>Temp./Hum.(%RH):</b> | <b>23.9/57%RH</b>                     | <b>Time:</b>         | <b>17:40:13</b>     |
| <b>EUT:</b>             | <b>SPOT</b>                           | <b>Distance:</b>     | <b>3m</b>           |
| <b>Model:</b>           | <b>iSC5</b>                           | <b>Test Result:</b>  | <b>Pass</b>         |
| <b>Note:</b>            | <b>G-2412</b>                         |                      |                     |
| <b>Test By:</b>         | <b>Brian Xiao</b>                     |                      |                     |



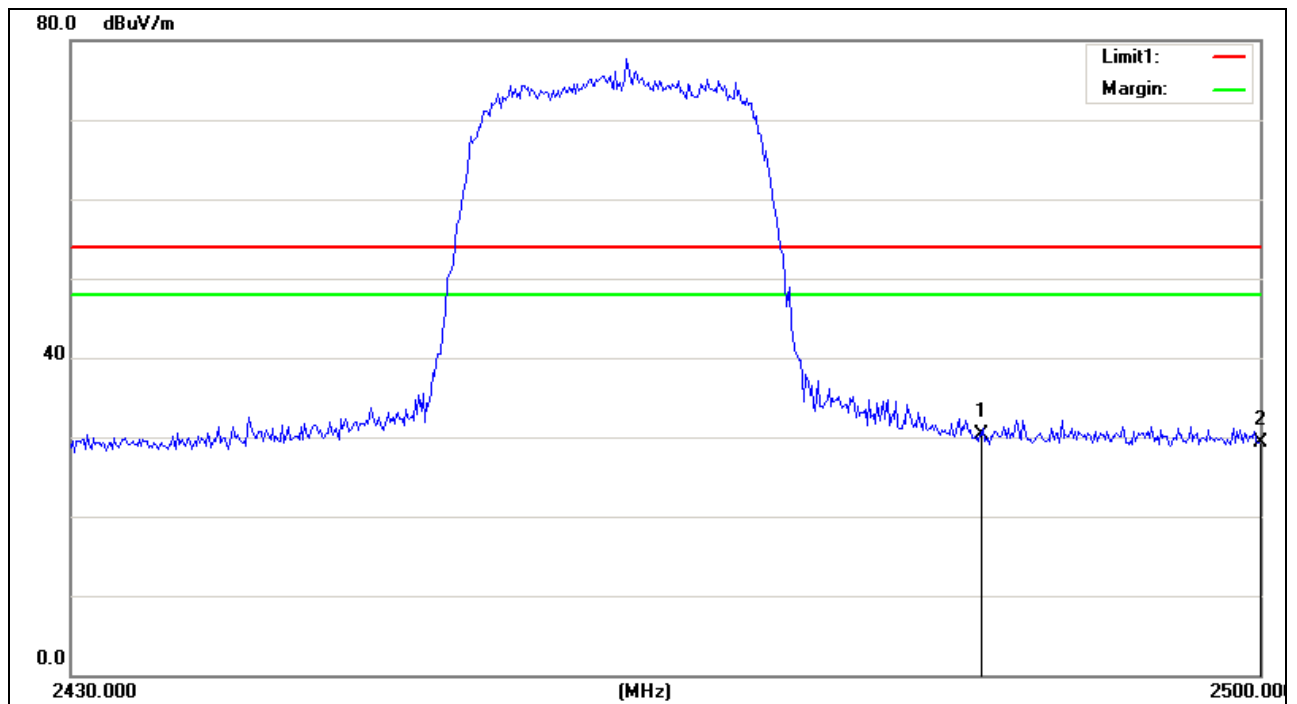
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2300.000           | 28.11               | 0.42                    | 28.53              | 54.00             | -25.47         | peak   |
| 2   | 2390.000           | 33.30               | 0.55                    | 33.85              | 54.00             | -20.15         | peak   |
| 3   | 2400.000           | 40.87               | 0.56                    | 41.43              | 54.00             | -12.57         | peak   |

|                         |                                |                      |                     |
|-------------------------|--------------------------------|----------------------|---------------------|
| <b>Project No.:</b>     | <b>E201510156977</b>           | <b>Polarization:</b> | <b>Vertical</b>     |
| <b>Standard:</b>        | <b>(RE)FCC PART 15 class B</b> | <b>Power Source:</b> | <b>AC 120V/60Hz</b> |
| <b>Test item:</b>       | <b>3m_AVG</b>                  |                      |                     |
| <b>Temp./Hum.(%RH):</b> | <b>Radiation Test</b>          | <b>Date:</b>         | <b>2015-11-16</b>   |
| <b>EUT:</b>             | <b>23.9/57%RH</b>              | <b>Time:</b>         | <b>17:55:39</b>     |
| <b>Model:</b>           | <b>SPOT</b>                    | <b>Distance:</b>     | <b>3m</b>           |
| <b>Note:</b>            | <b>iSC5</b>                    | <b>Test Result:</b>  | <b>Pass</b>         |
| <b>Test By:</b>         | <b>G-2462</b>                  |                      |                     |
|                         | <b>Brian Xiao</b>              |                      |                     |



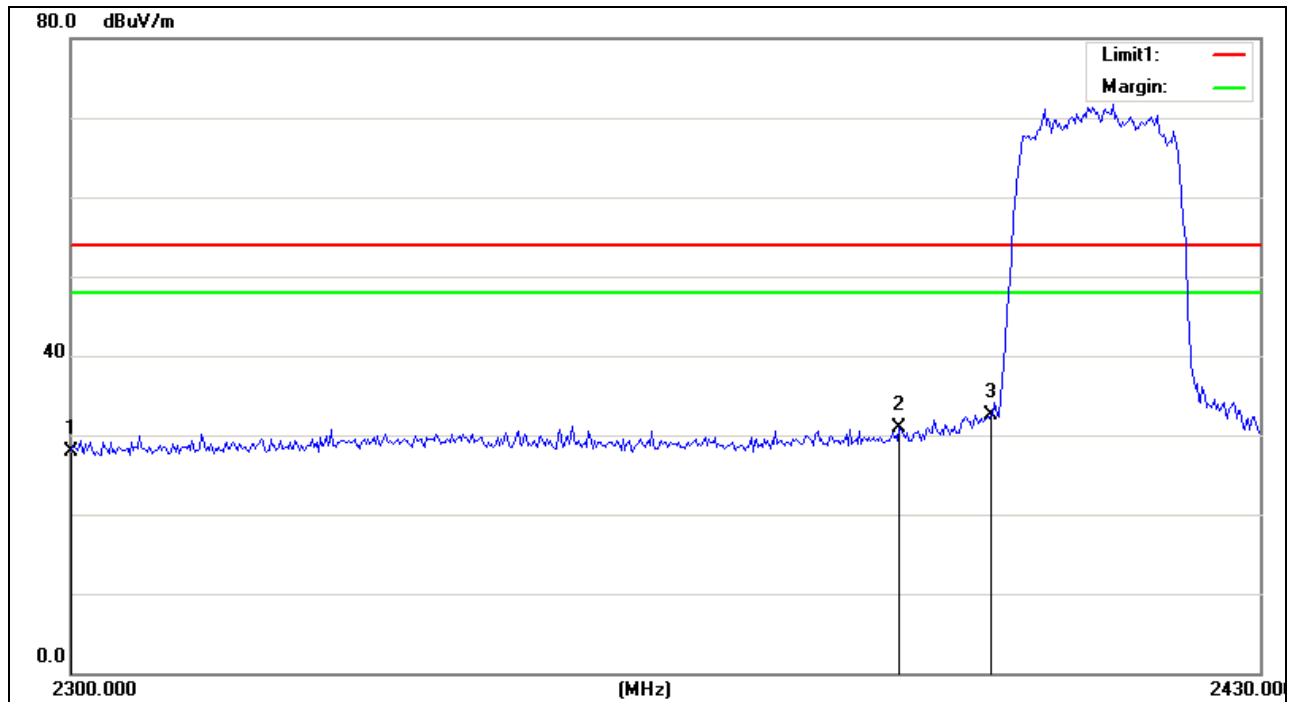
| No. | Frequency (MHz) | Reading (dBuV/m) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|------------------|----------------------|-----------------|----------------|-------------|--------|
| 1   | 2483.500        | 28.92            | 0.61                 | 29.53           | 54.00          | -24.47      | peak   |
| 2   | 2500.000        | 29.13            | 0.62                 | 29.75           | 54.00          | -24.25      | peak   |

|                         |                                |                      |                     |
|-------------------------|--------------------------------|----------------------|---------------------|
| <b>Project No.:</b>     | <b>E201510156977</b>           | <b>Polarziation:</b> | <b>Horizontal</b>   |
| <b>Standard:</b>        | <b>(RE)FCC PART 15 class B</b> | <b>Power Source:</b> | <b>AC 120V/60Hz</b> |
| <b>Test item:</b>       | <b>3m_AVG</b>                  |                      |                     |
| <b>Temp./Hum.(%RH):</b> | <b>Radiation Test</b>          | <b>Date:</b>         | <b>2015-11-16</b>   |
| <b>EUT:</b>             | <b>23.9/57%RH</b>              | <b>Time:</b>         | <b>17:54:03</b>     |
| <b>Model:</b>           | <b>SPOT</b>                    | <b>Distance:</b>     | <b>3m</b>           |
|                         | <b>iSC5</b>                    | <b>Test Result:</b>  | <b>Pass</b>         |
| <b>Note:</b>            | <b>G-2462</b>                  |                      |                     |
| <b>Test By:</b>         | <b>Brian Xiao</b>              |                      |                     |



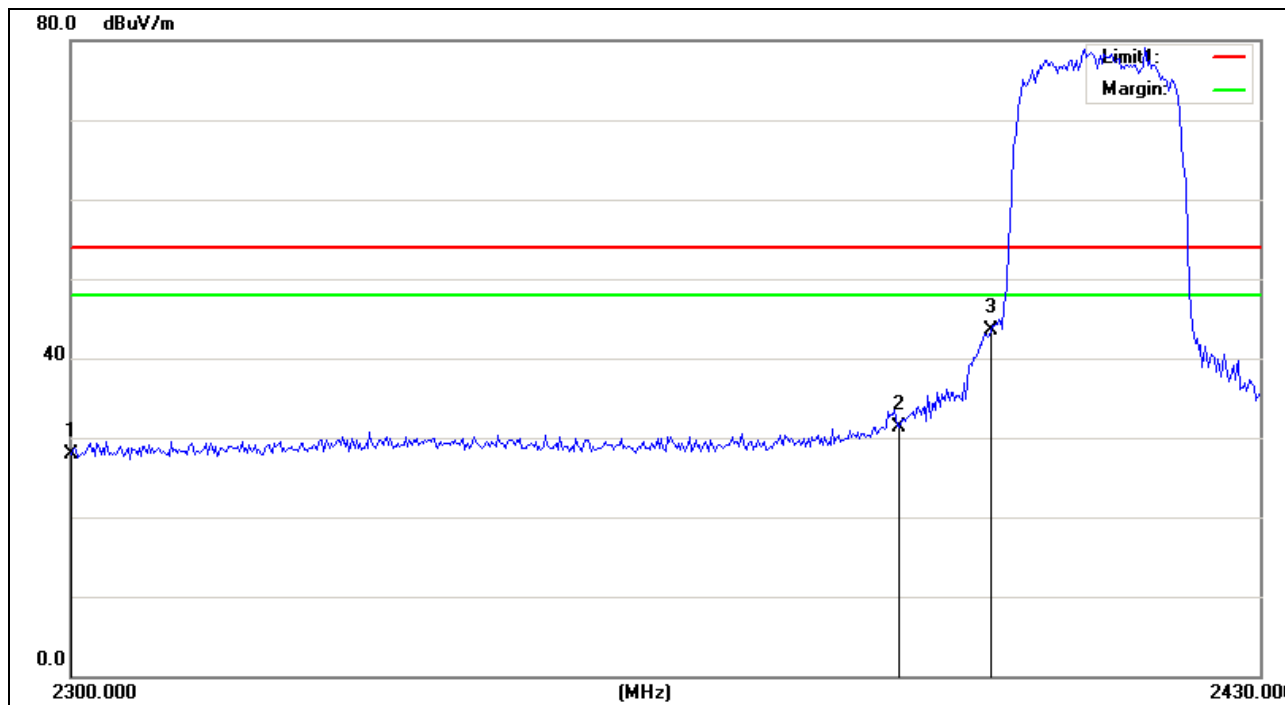
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2483.500           | 29.62               | 0.61                    | 30.23              | 54.00             | -23.77         | peak   |
| 2   | 2500.000           | 28.62               | 0.62                    | 29.24              | 54.00             | -24.76         | peak   |

|                         |                                       |                      |                     |
|-------------------------|---------------------------------------|----------------------|---------------------|
| <b>Project No.:</b>     | <b>E201510156977</b>                  | <b>Polarziation:</b> | <b>Vertical</b>     |
| <b>Standard:</b>        | <b>(RE)FCC PART 15 class B 3m_AVG</b> | <b>Power Source:</b> | <b>AC 120V/60Hz</b> |
| <b>Test item:</b>       | <b>Radiation Test</b>                 | <b>Date:</b>         | <b>2015-11-16</b>   |
| <b>Temp./Hum.(%RH):</b> | <b>23.9/57%RH</b>                     | <b>Time:</b>         | <b>17:42:30</b>     |
| <b>EUT:</b>             | <b>SPOT</b>                           | <b>Distance:</b>     | <b>3m</b>           |
| <b>Model:</b>           | <b>iSC5</b>                           | <b>Test Result:</b>  | <b>Pass</b>         |
| <b>Note:</b>            | <b>N20-2412</b>                       |                      |                     |
| <b>Test By:</b>         | <b>Brian Xiao</b>                     |                      |                     |



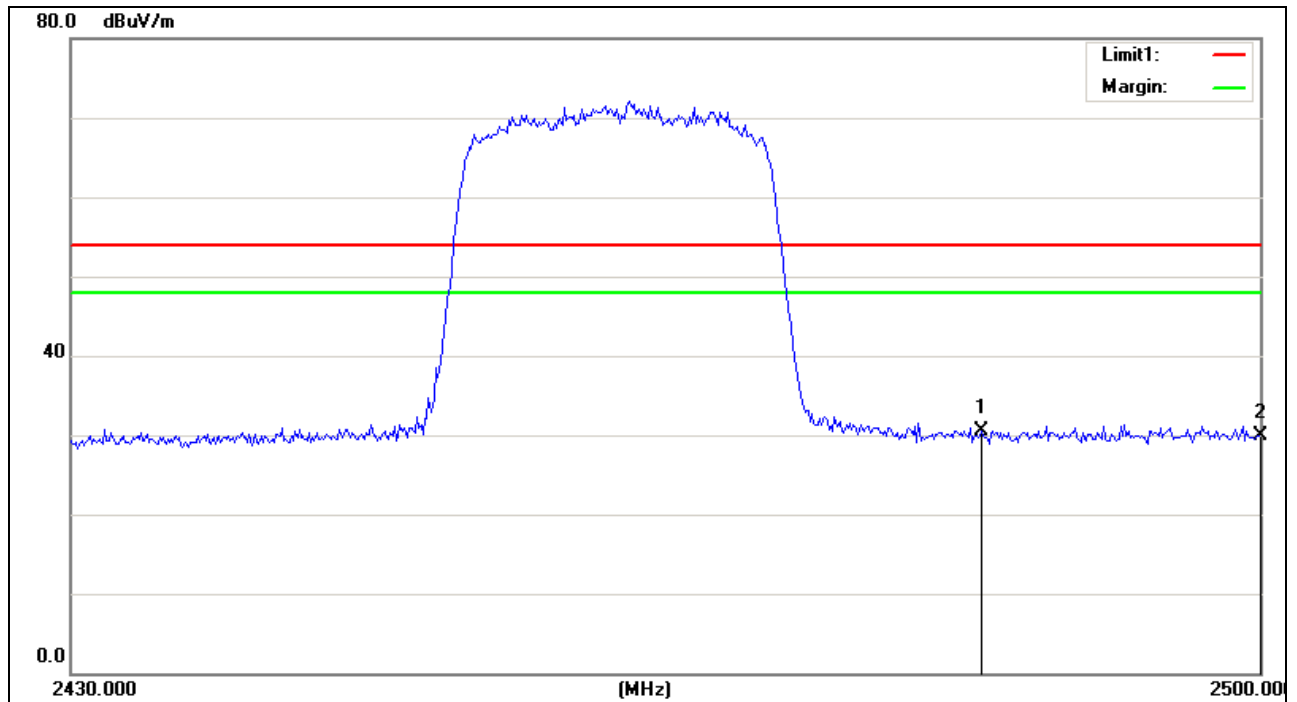
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2300.000           | 27.58               | 0.42                    | 28.00              | 54.00             | -26.00         | peak   |
| 2   | 2390.000           | 30.29               | 0.55                    | 30.84              | 54.00             | -23.16         | peak   |
| 3   | 2400.000           | 31.92               | 0.56                    | 32.48              | 54.00             | -21.52         | peak   |

|                         |                                       |                      |                     |
|-------------------------|---------------------------------------|----------------------|---------------------|
| <b>Project No.:</b>     | <b>E201510156977</b>                  | <b>Polarization:</b> | <b>Horizontal</b>   |
| <b>Standard:</b>        | <b>(RE)FCC PART 15 class B 3m_AVG</b> | <b>Power Source:</b> | <b>AC 120V/60Hz</b> |
| <b>Test item:</b>       | <b>Radiation Test</b>                 | <b>Date:</b>         | <b>2015-11-16</b>   |
| <b>Temp./Hum.(%RH):</b> | <b>23.9/57%RH</b>                     | <b>Time:</b>         | <b>17:43:05</b>     |
| <b>EUT:</b>             | <b>SPOT</b>                           | <b>Distance:</b>     | <b>3m</b>           |
| <b>Model:</b>           | <b>iSC5</b>                           | <b>Test Result:</b>  | <b>Pass</b>         |
| <b>Note:</b>            | <b>N20-2412</b>                       |                      |                     |
| <b>Test By:</b>         | <b>Brian Xiao</b>                     |                      |                     |



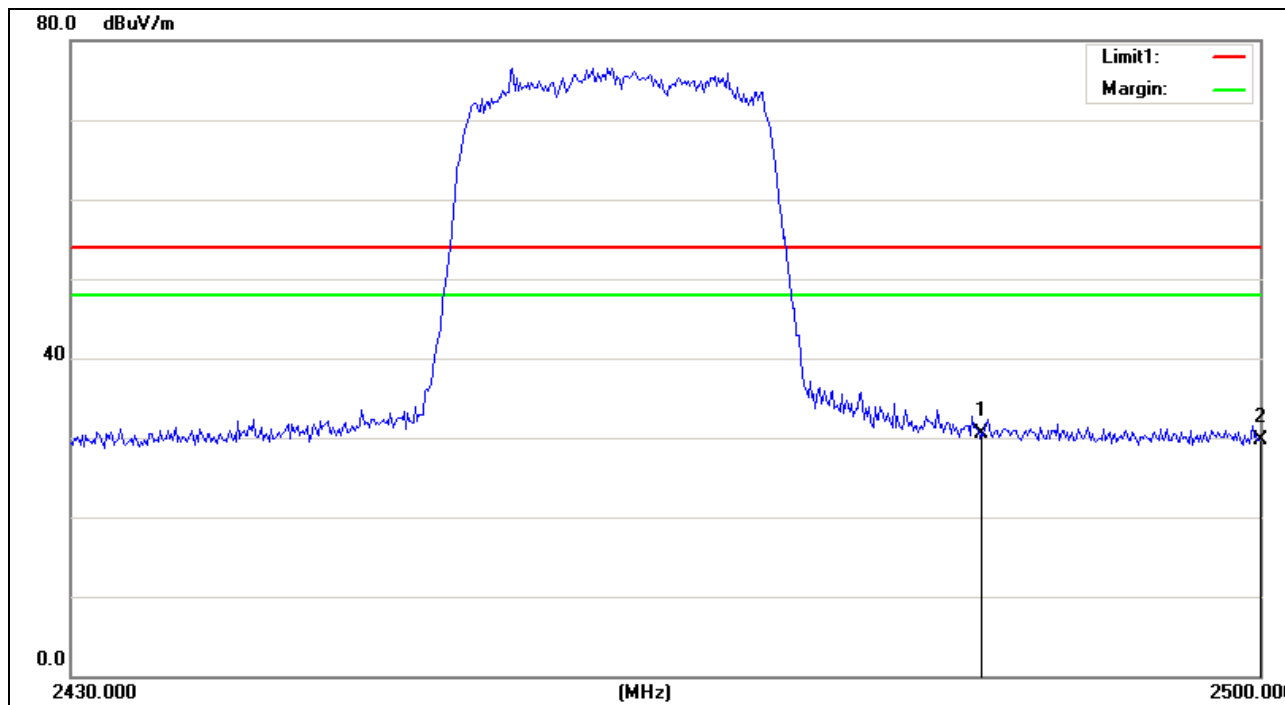
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2300.000           | 27.51               | 0.42                    | 27.93              | 54.00             | -26.07         | peak   |
| 2   | 2390.000           | 30.81               | 0.55                    | 31.36              | 54.00             | -22.64         | peak   |
| 3   | 2400.000           | 42.97               | 0.56                    | 43.53              | 54.00             | -10.47         | peak   |

|                         |                                       |                      |                     |
|-------------------------|---------------------------------------|----------------------|---------------------|
| <b>Project No.:</b>     | <b>E201510156977</b>                  | <b>Polarziation:</b> | <b>Vertical</b>     |
| <b>Standard:</b>        | <b>(RE)FCC PART 15 class B 3m_AVG</b> | <b>Power Source:</b> | <b>AC 120V/60Hz</b> |
| <b>Test item:</b>       | <b>Radiation Test</b>                 | <b>Date:</b>         | <b>2015-11-16</b>   |
| <b>Temp./Hum.(%RH):</b> | <b>23.9/57%RH</b>                     | <b>Time:</b>         | <b>17:51:45</b>     |
| <b>EUT:</b>             | <b>SPOT</b>                           | <b>Distance:</b>     | <b>3m</b>           |
| <b>Model:</b>           | <b>iSC5</b>                           | <b>Test Result:</b>  | <b>Pass</b>         |
| <b>Note:</b>            | <b>N20-2462</b>                       |                      |                     |
| <b>Test By:</b>         | <b>Brian Xiao</b>                     |                      |                     |



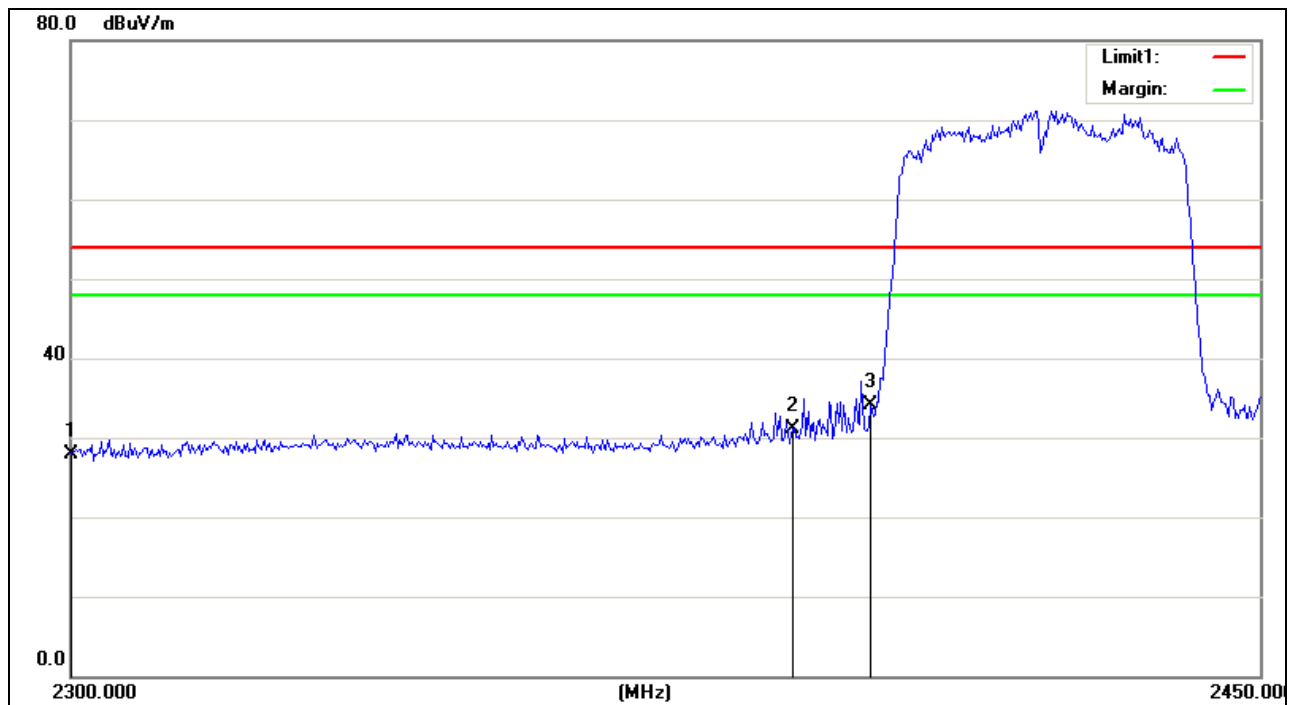
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2483.500           | 29.89               | 0.61                    | 30.50              | 54.00             | -23.50         | peak   |
| 2   | 2500.000           | 29.29               | 0.62                    | 29.91              | 54.00             | -24.09         | peak   |

|                          |                                       |                      |                     |
|--------------------------|---------------------------------------|----------------------|---------------------|
| <b>Project No.:</b>      | <b>E201510156977</b>                  | <b>Polarization:</b> | <b>Horizontal</b>   |
| <b>Standard:</b>         | <b>(RE)FCC PART 15 class B 3m_AVG</b> | <b>Power Source:</b> | <b>AC 120V/60Hz</b> |
| <b>Test item:</b>        | <b>Radiation Test</b>                 | <b>Date:</b>         | <b>2015-11-16</b>   |
| <b>Temp./Hum. (%RH):</b> | <b>23.9/57%RH</b>                     | <b>Time:</b>         | <b>17:52:15</b>     |
| <b>EUT:</b>              | <b>SPOT</b>                           | <b>Distance:</b>     | <b>3m</b>           |
| <b>Model:</b>            | <b>iSC5</b>                           | <b>Test Result:</b>  | <b>Pass</b>         |
| <b>Note:</b>             | <b>N20-2462</b>                       |                      |                     |
| <b>Test By:</b>          | <b>Brian Xiao</b>                     |                      |                     |



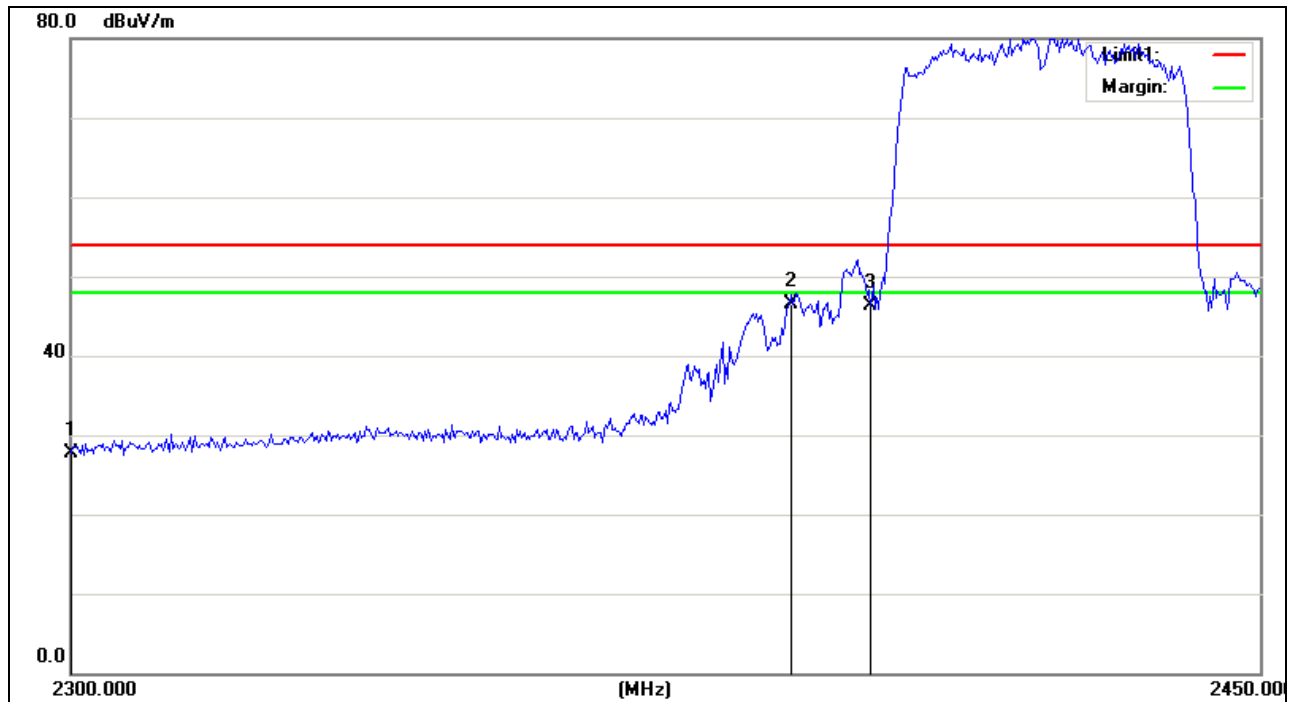
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2483.500           | 29.93               | 0.61                    | 30.54              | 54.00             | -23.46         | peak   |
| 2   | 2500.000           | 29.12               | 0.62                    | 29.74              | 54.00             | -24.26         | peak   |

|                         |                                       |                      |                     |
|-------------------------|---------------------------------------|----------------------|---------------------|
| <b>Project No.:</b>     | <b>E201510156977</b>                  | <b>Polarization:</b> | <b>Vertical</b>     |
| <b>Standard:</b>        | <b>(RE)FCC PART 15 class B 3m_AVG</b> | <b>Power Source:</b> | <b>AC 120V/60Hz</b> |
| <b>Test item:</b>       | <b>Radiation Test</b>                 | <b>Date:</b>         | <b>2015-11-16</b>   |
| <b>Temp./Hum.(%RH):</b> | <b>23.9/57%RH</b>                     | <b>Time:</b>         | <b>17:46:29</b>     |
| <b>EUT:</b>             | <b>SPOT</b>                           | <b>Distance:</b>     | <b>3m</b>           |
| <b>Model:</b>           | <b>iSC5</b>                           | <b>Test Result:</b>  | <b>Pass</b>         |
| <b>Note:</b>            | <b>N40-2422</b>                       |                      |                     |
| <b>Test By:</b>         | <b>Brian Xiao</b>                     |                      |                     |



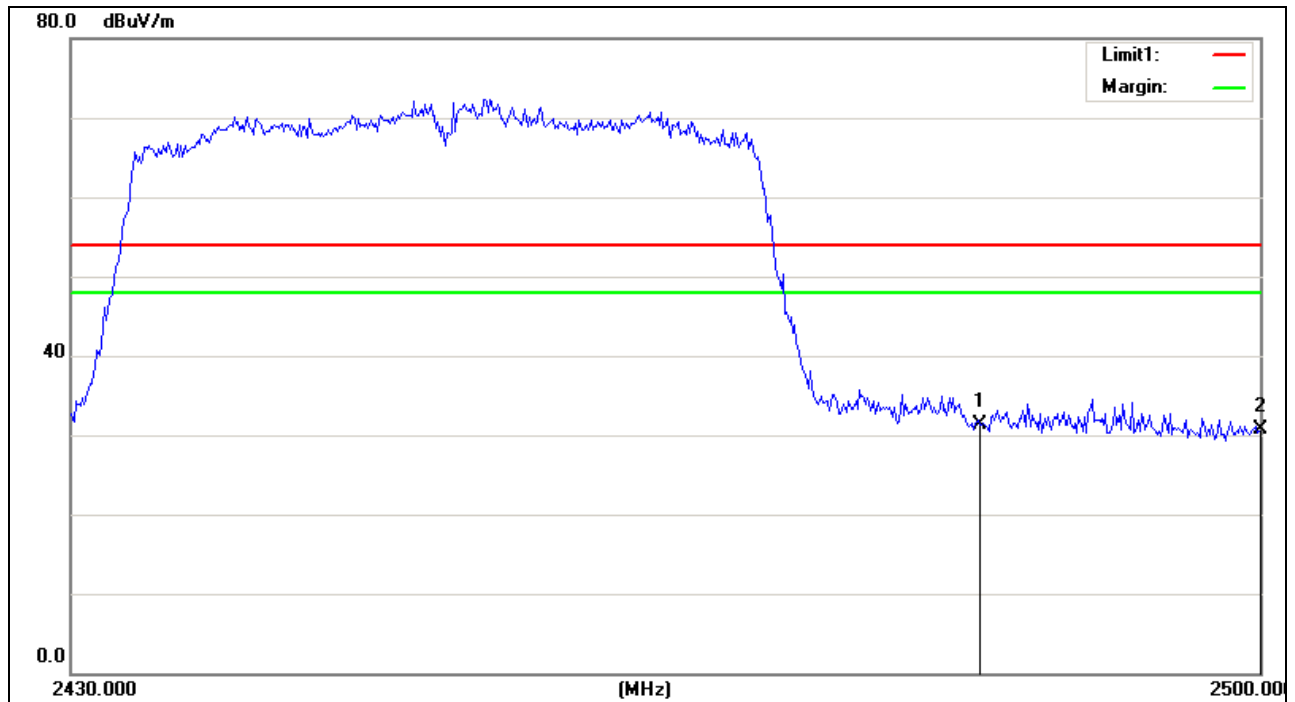
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2300.000           | 27.41               | 0.42                    | 27.83              | 54.00             | -26.17         | peak   |
| 2   | 2390.000           | 30.53               | 0.55                    | 31.08              | 54.00             | -22.92         | peak   |
| 3   | 2400.000           | 33.51               | 0.56                    | 34.07              | 54.00             | -19.93         | peak   |

|                         |                                       |                      |                     |
|-------------------------|---------------------------------------|----------------------|---------------------|
| <b>Project No.:</b>     | <b>E201510156977</b>                  | <b>Polarziation:</b> | <b>Horizontal</b>   |
| <b>Standard:</b>        | <b>(RE)FCC PART 15 class B 3m_AVG</b> | <b>Power Source:</b> | <b>AC 120V/60Hz</b> |
| <b>Test item:</b>       | <b>Radiation Test</b>                 | <b>Date:</b>         | <b>2015-11-16</b>   |
| <b>Temp./Hum.(%RH):</b> | <b>23.9/57%RH</b>                     | <b>Time:</b>         | <b>17:45:10</b>     |
| <b>EUT:</b>             | <b>SPOT</b>                           | <b>Distance:</b>     | <b>3m</b>           |
| <b>Model:</b>           | <b>iSC5</b>                           | <b>Test Result:</b>  | <b>Pass</b>         |
| <b>Note:</b>            | <b>N40-2422</b>                       |                      |                     |
| <b>Test By:</b>         | <b>Brian Xiao</b>                     |                      |                     |



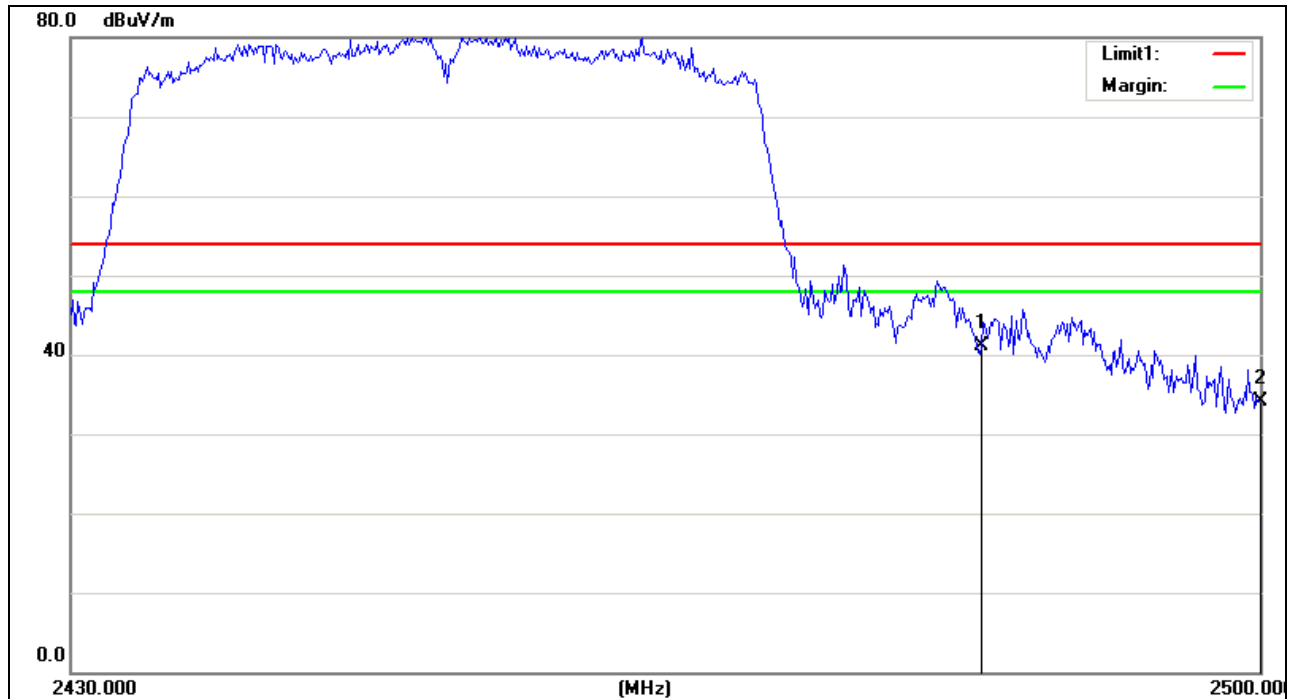
| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2300.000           | 27.33               | 0.42                    | 27.75              | 54.00             | -26.25         | peak   |
| 2   | 2390.000           | 46.02               | 0.55                    | 46.57              | 54.00             | -7.43          | peak   |
| 3   | 2400.000           | 45.75               | 0.56                    | 46.31              | 54.00             | -7.69          | peak   |

|                         |                                       |                      |                     |
|-------------------------|---------------------------------------|----------------------|---------------------|
| <b>Project No.:</b>     | <b>E201510156977</b>                  | <b>Polarziation:</b> | <b>Vertical</b>     |
| <b>Standard:</b>        | <b>(RE)FCC PART 15 class B 3m_AVG</b> | <b>Power Source:</b> | <b>AC 120V/60Hz</b> |
| <b>Test item:</b>       | <b>Radiation Test</b>                 | <b>Date:</b>         | <b>2015-11-16</b>   |
| <b>Temp./Hum.(%RH):</b> | <b>23.9/57%RH</b>                     | <b>Time:</b>         | <b>17:49:48</b>     |
| <b>EUT:</b>             | <b>SPOT</b>                           | <b>Distance:</b>     | <b>3m</b>           |
| <b>Model:</b>           | <b>iSC5</b>                           | <b>Test Result:</b>  | <b>Pass</b>         |
| <b>Note:</b>            | <b>N40-2452</b>                       |                      |                     |
| <b>Test By:</b>         | <b>Brian Xiao</b>                     |                      |                     |



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2483.500           | 30.60               | 0.61                    | 31.21              | 54.00             | -22.79         | peak   |
| 2   | 2500.000           | 30.10               | 0.62                    | 30.72              | 54.00             | -23.28         | peak   |

|                         |                                       |                      |                     |
|-------------------------|---------------------------------------|----------------------|---------------------|
| <b>Project No.:</b>     | <b>E201510156977</b>                  | <b>Polarziation:</b> | <b>Horizontal</b>   |
| <b>Standard:</b>        | <b>(RE)FCC PART 15 class B 3m_AVG</b> | <b>Power Source:</b> | <b>AC 120V/60Hz</b> |
| <b>Test item:</b>       | <b>Radiation Test</b>                 | <b>Date:</b>         | <b>2015-11-16</b>   |
| <b>Temp./Hum.(%RH):</b> | <b>23.9/57%RH</b>                     | <b>Time:</b>         | <b>17:48:32</b>     |
| <b>EUT:</b>             | <b>SPOT</b>                           | <b>Distance:</b>     | <b>3m</b>           |
| <b>Model:</b>           | <b>iSC5</b>                           | <b>Test Result:</b>  | <b>Pass</b>         |
| <b>Note:</b>            | <b>N40-2452</b>                       |                      |                     |
| <b>Test By:</b>         | <b>Brian Xiao</b>                     |                      |                     |



| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1   | 2483.500           | 40.48               | 0.61                    | 41.09              | 54.00             | -12.91         | peak   |
| 2   | 2500.000           | 33.57               | 0.62                    | 34.19              | 54.00             | -19.81         | peak   |

**Note: factor =Cable loss+ Space loss-Antenna factor-Amplifier**

## 12. BAND-EDGE MEASUREMENTS

### 12.1 LIMITS

FCC 15.247(d) & 15.209

### 12.2 TEST PROCEDURES

Test procedures follow KDB 558074 D01 DTS Measurement Guidance v03r01.

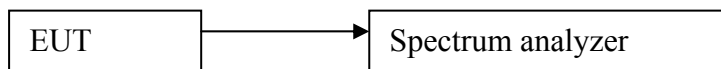
Remove the antenna from the EUT and then connect a low attenuation cable from the antenna port to the spectrum.

1. Reference level measurement

Below 1GHz Set the spectrum analyzer: RBW =100KHz VBW  $\geq$  3\*RBW, Set the span to  $\geq$  1.5 times the DTS bandwidth. Sweep = auto; Detector Function = peak. Trace = Max-hold. Allow the trace to stabilize.

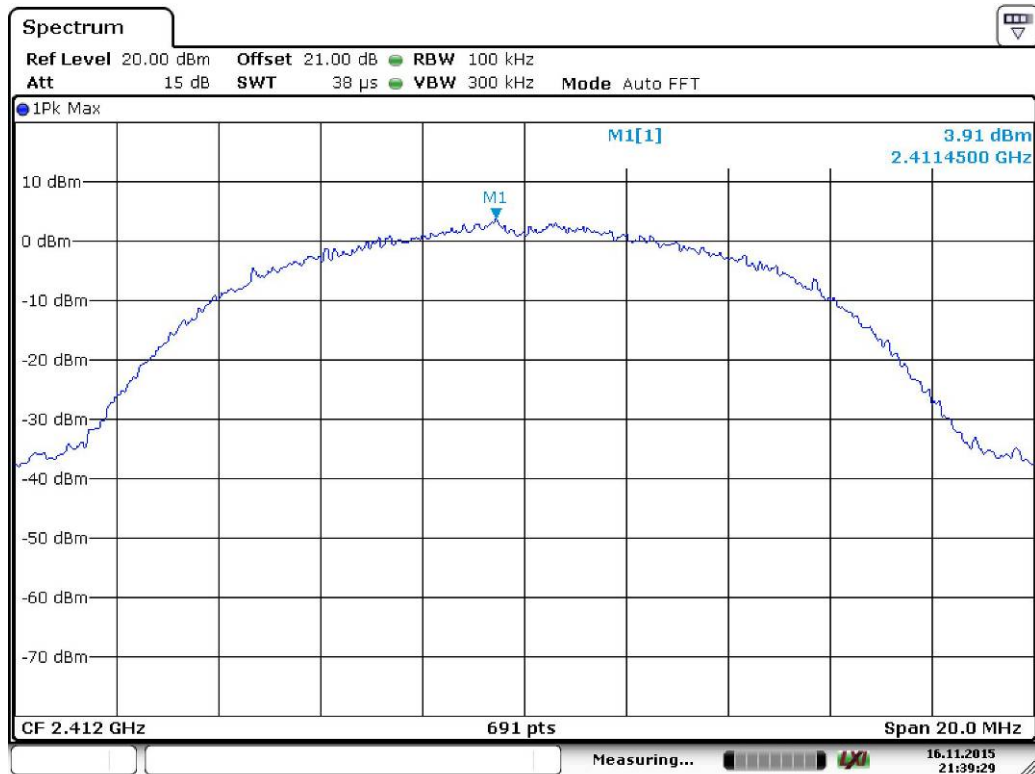
2. Set the spectrum analyzer: RBW =100KHz VBW  $\geq$  3\*RBW, Set the span to  $\geq$  1.5 times the DTS bandwidth. Sweep = auto; Detector Function = peak. Trace = Max-hold. Allow the trace to stabilize.

### 12.3 TEST SETUP



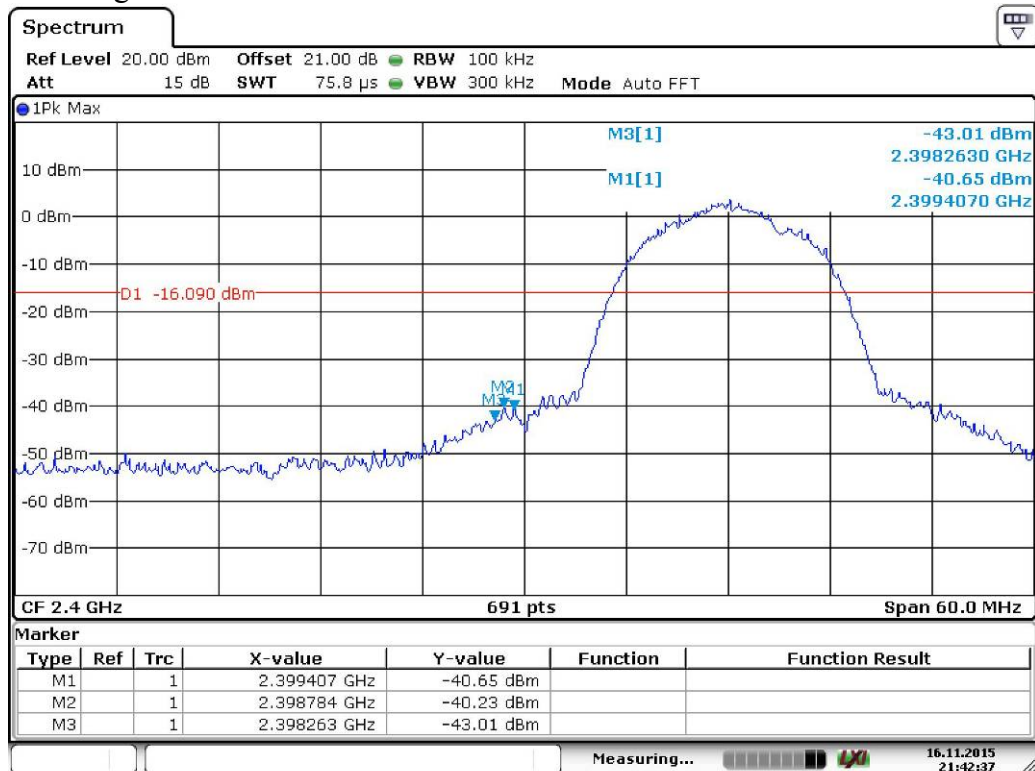
### 12.4 TEST RESULTS

802.11b mode:  
Channel 2412MHz  
reference level:



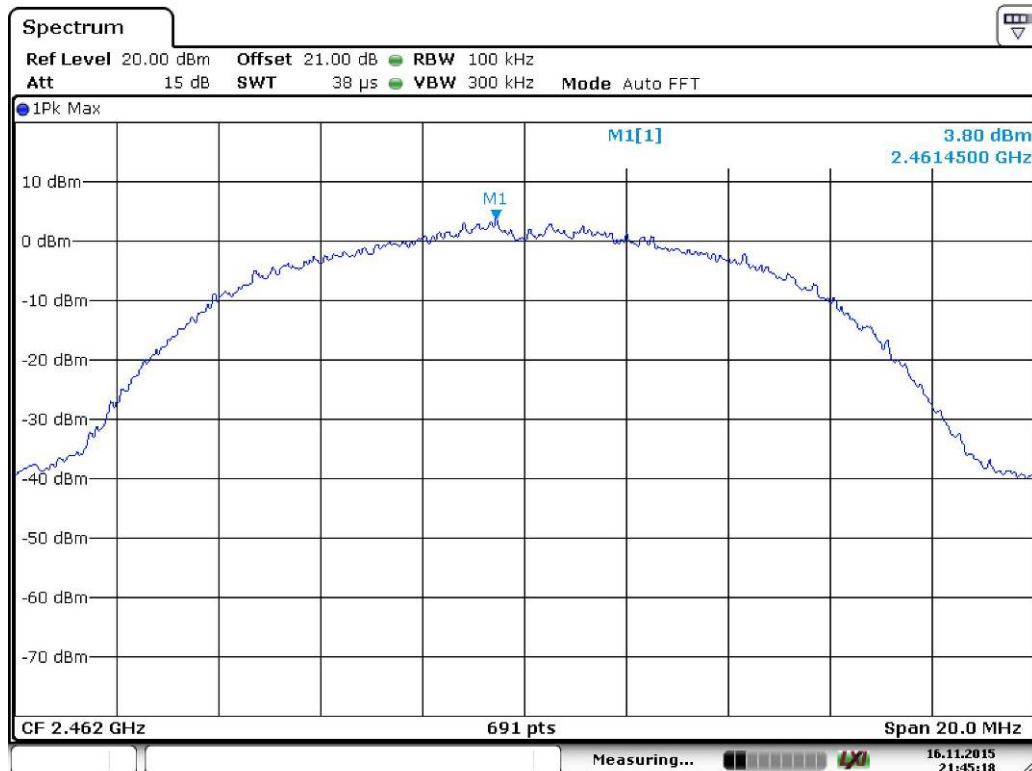
Date: 16.NOV.2015 21:39:29

Band edge:



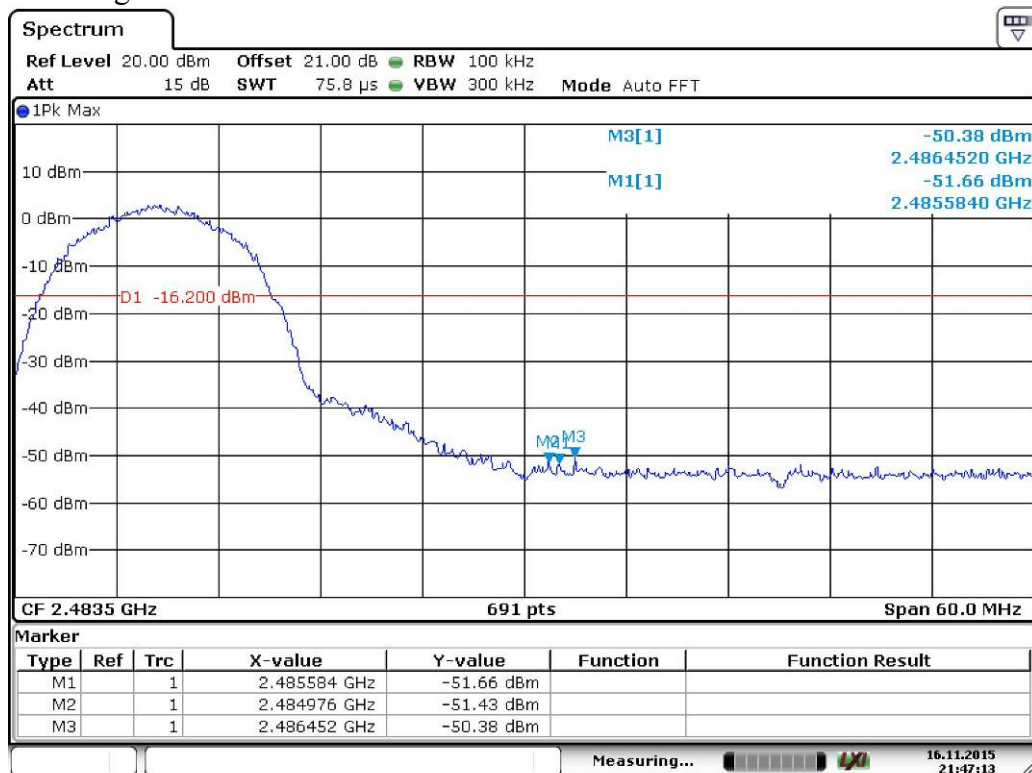
Date: 16.NOV.2015 21:42:36

802.11b mode:  
Channel 2462MHz  
reference level:



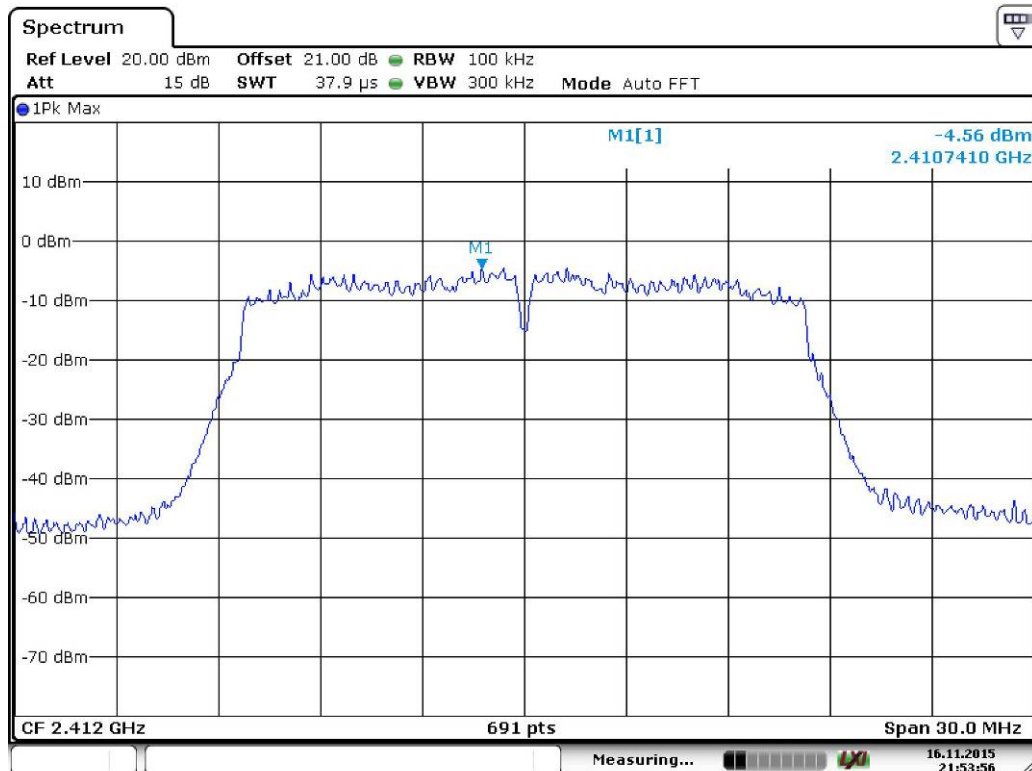
Date: 16.NOV.2015 21:45:19

Band edge:



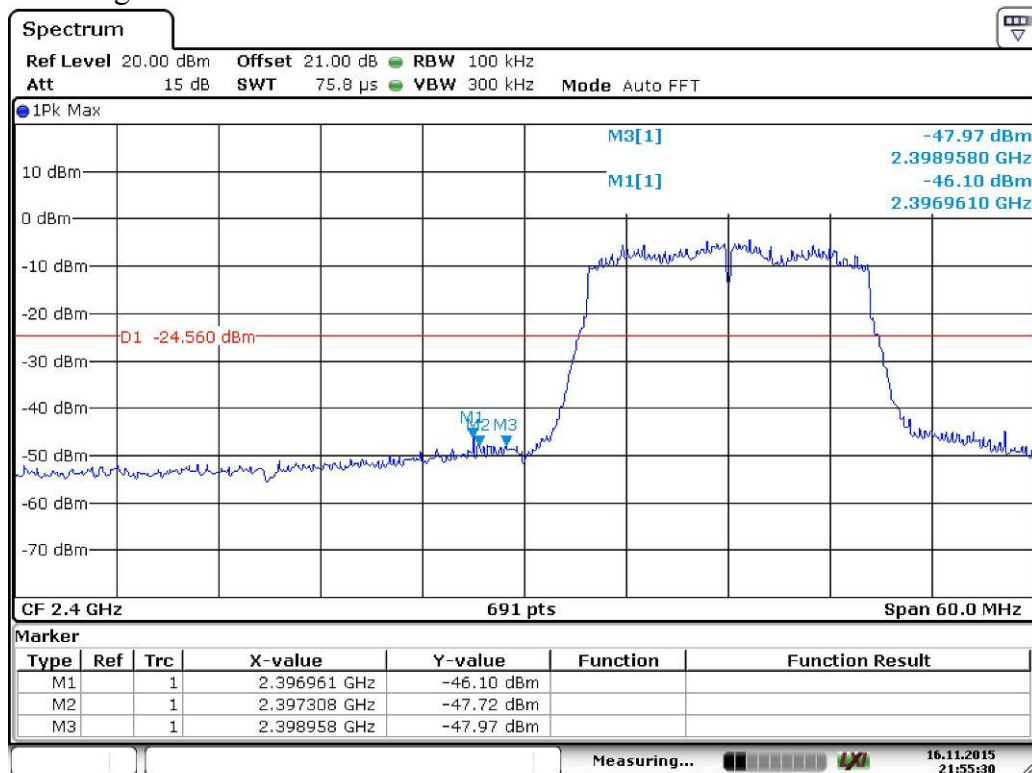
Date: 16.NOV.2015 21:47:14

802.11g mode:  
Channel 2412MHz  
reference level:



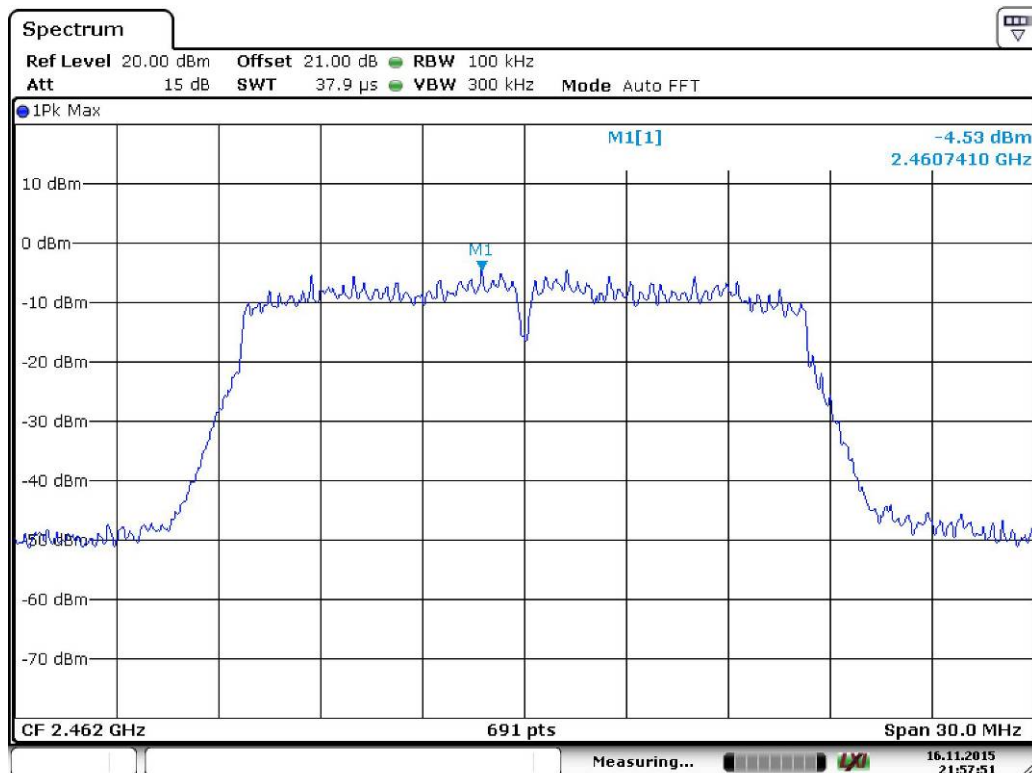
Date: 16.NOV.2015 21:53:56

Band edge:



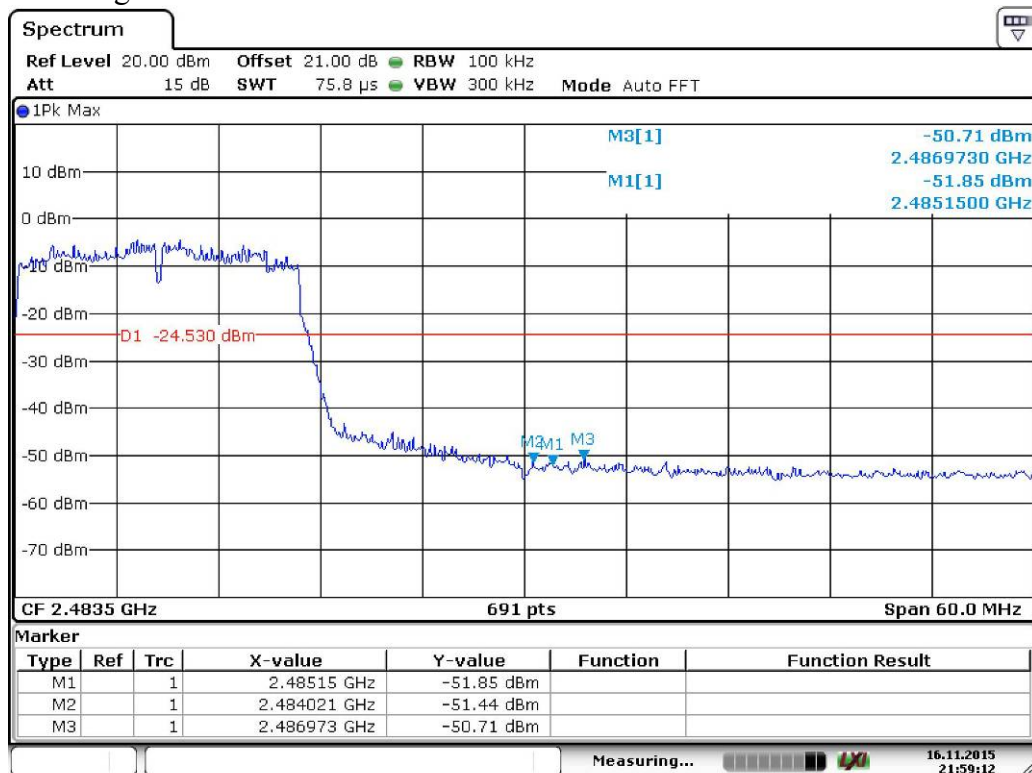
Date: 16.NOV.2015 21:55:31

802.11g mode:  
Channel 2462MHz  
reference level:



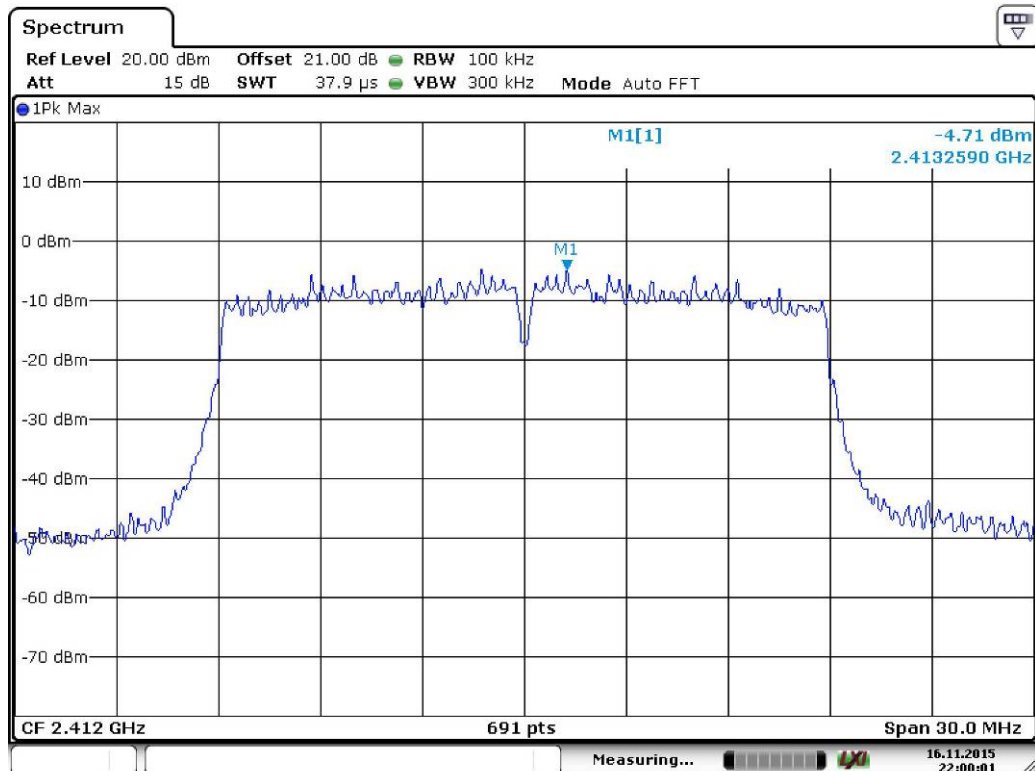
Date: 16.NOV.2015 21:57:52

Band edge:



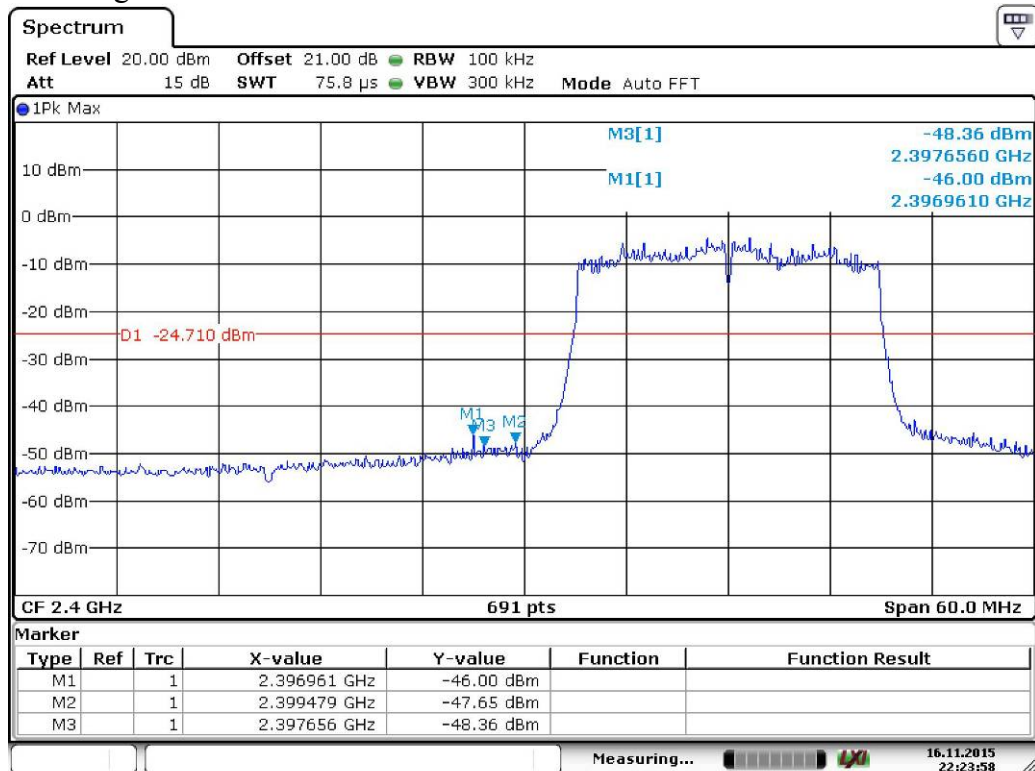
Date: 16.NOV.2015 21:59:12

802.11n20 mode:  
Channel 2412MHz  
reference level:



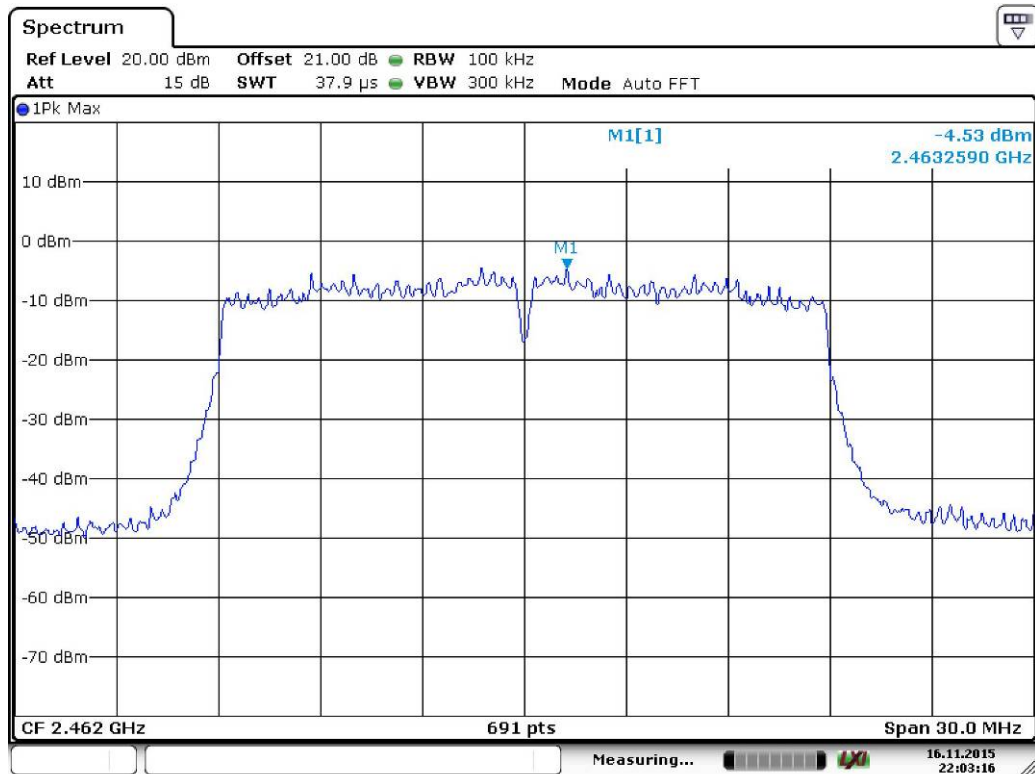
Date: 16.NOV.2015 22:00:01

Band edge:



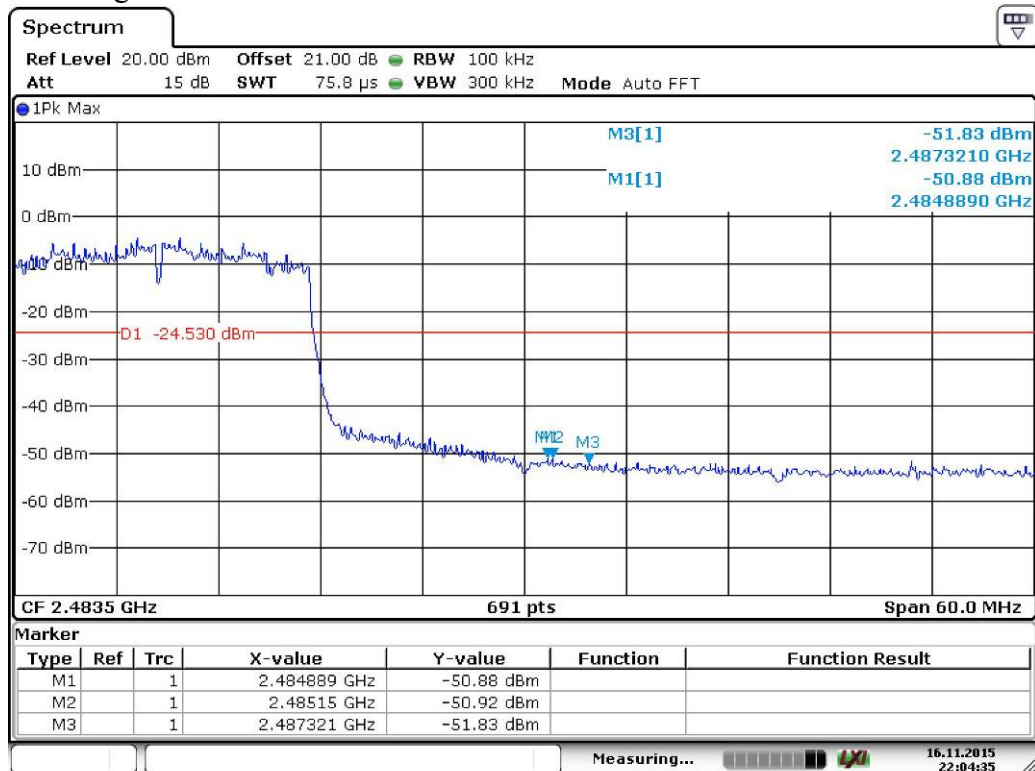
Date: 16.NOV.2015 22:23:58

802.11n20 mode:  
Channel 2462MHz  
reference level:



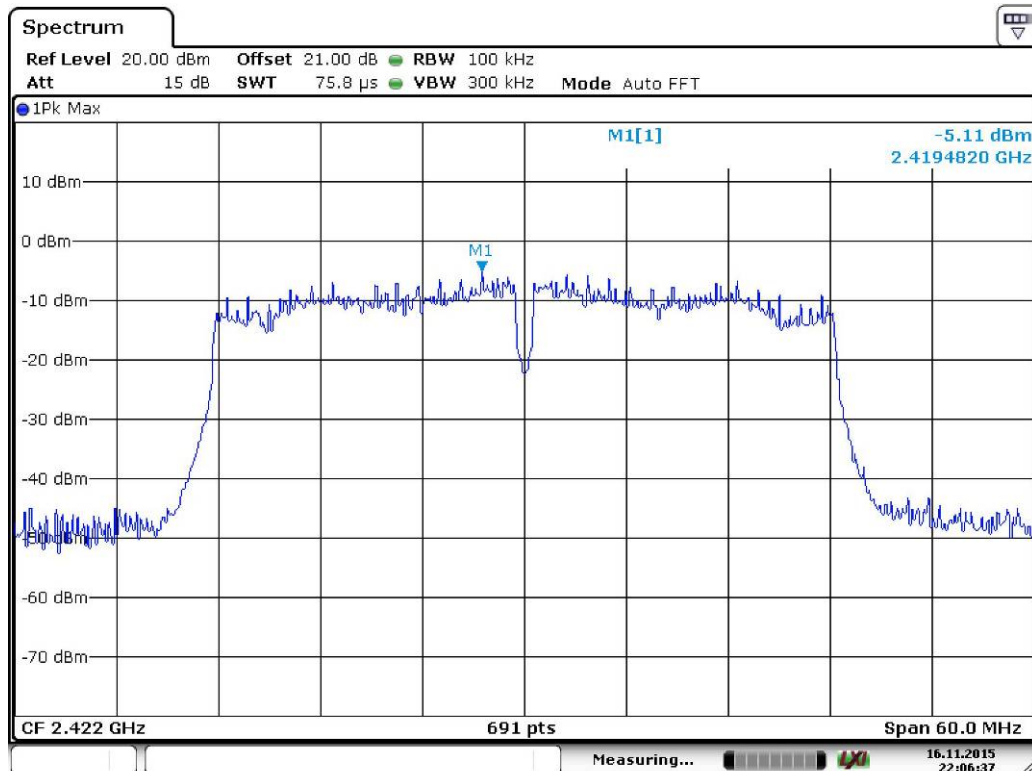
Date: 16.NOV.2015 22:03:16

Band edge:



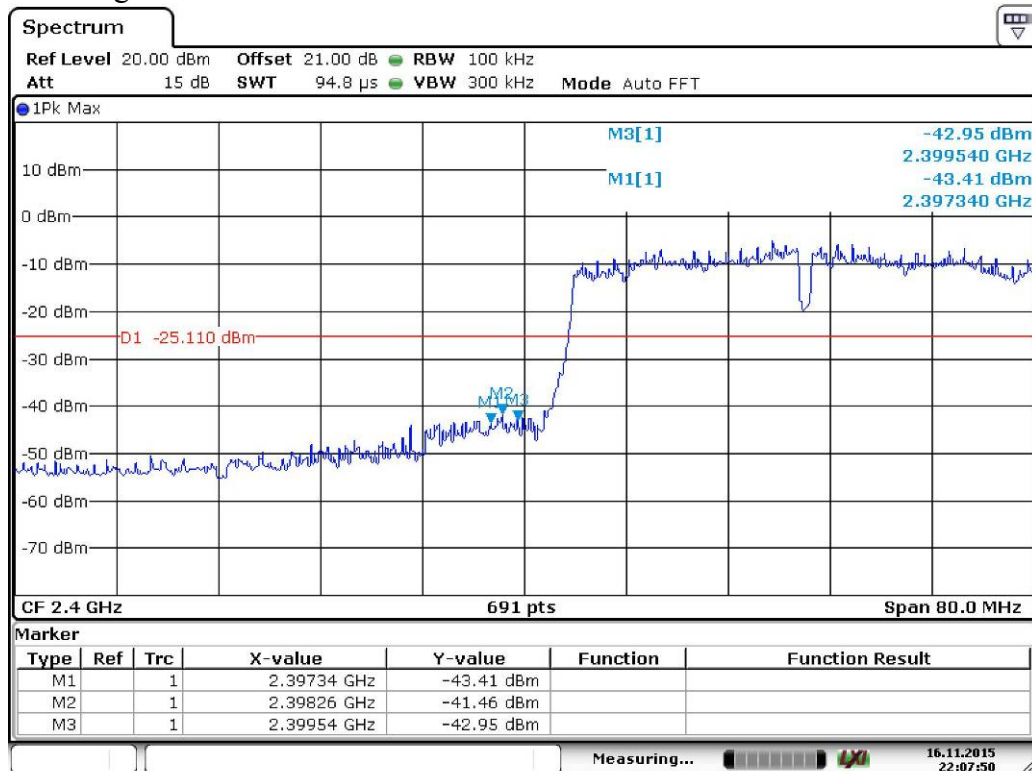
Date: 16.NOV.2015 22:04:35

802.11n40 mode:  
Channel 2422MHz  
reference level:



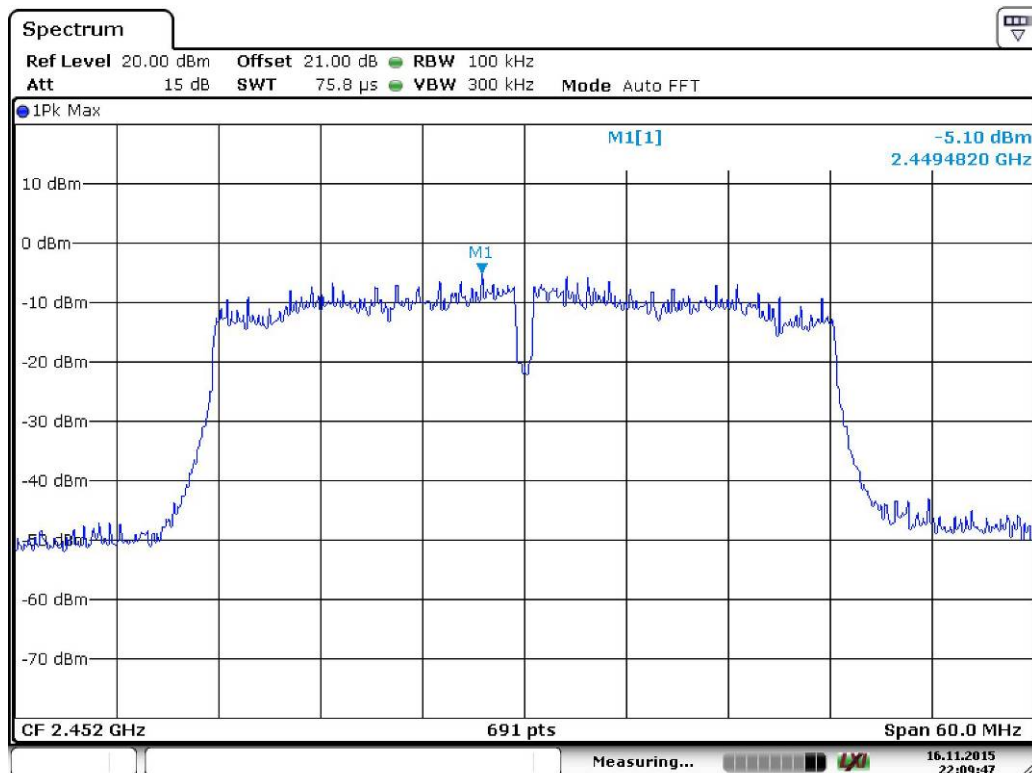
Date: 16.NOV.2015 22:06:36

Band edge:



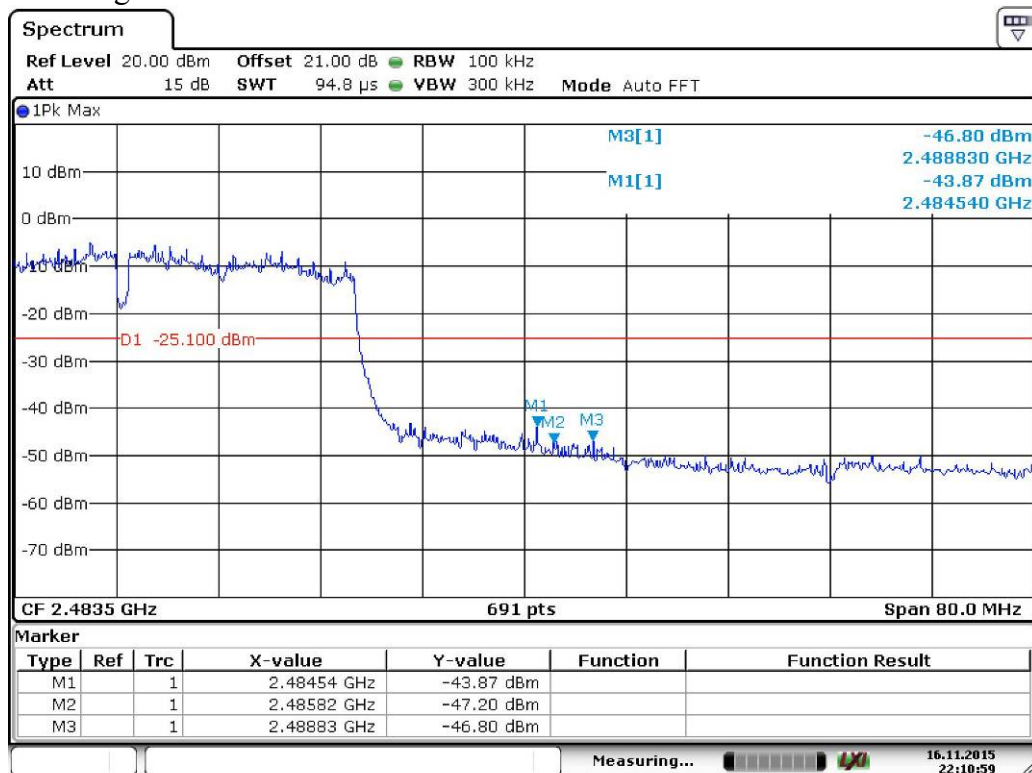
Date: 16.NOV.2015 22:07:50

802.11n40 mode:  
Channel 2452MHz  
reference level:



Date: 16.NOV.2015 22:09:48

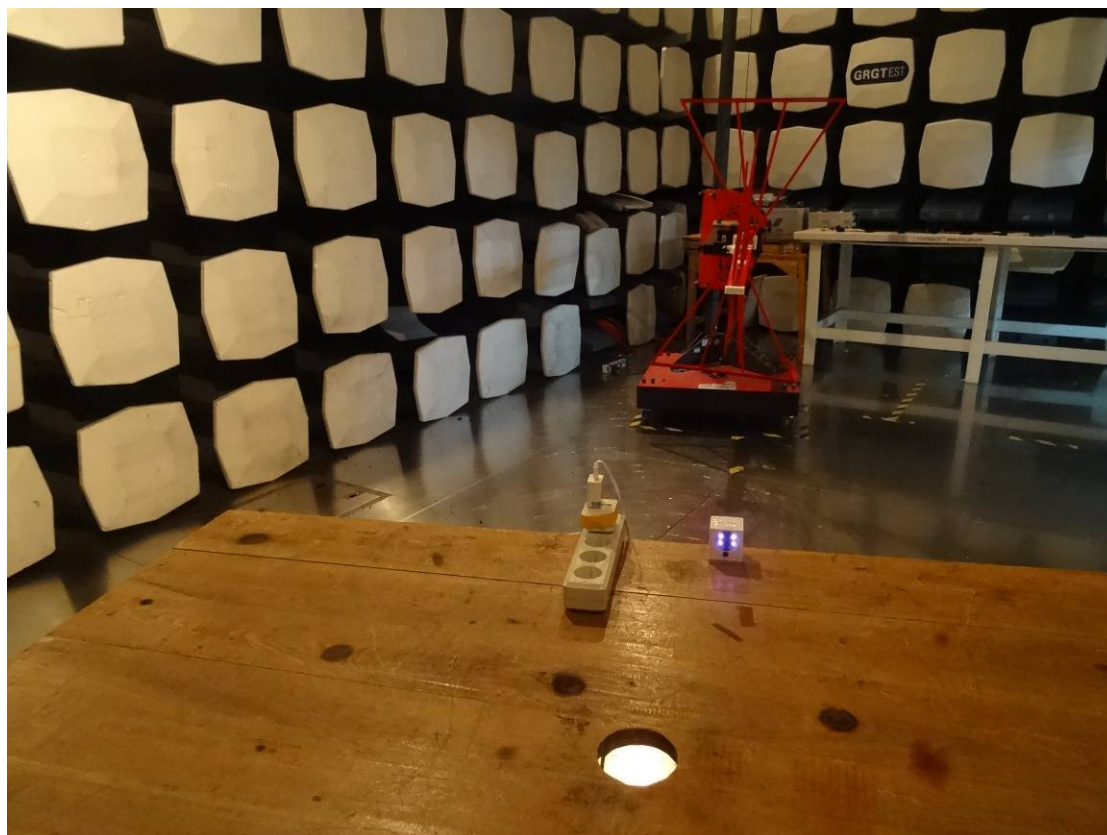
Band edge:



Date: 16.NOV.2015 22:11:00

## APPENDIX A: PHOTOGRAPH OF THE TEST ARRANGEMENT

RSE (Below 1GHz)



RSE (Above 1GHz)



CE



-----This is the last page of the report. -----