

APPENDIX REPORT

| | | | |
|-----------------|-----------------|---------------------|---------------------|
| Project No. | SHT2004155101EW | Radio Specification | WIFI 2.4G |
| Test sample No. | YPHT20041551001 | Model No. | HTN4000MPC |
| Start test date | 2020/5/18 | Finish date | 2020/5/18 |
| Temperature | 25°C | Humidity | 50% |
| Test Engineer | Jiongsheng.Feng | Auditor | <i>William.wang</i> |

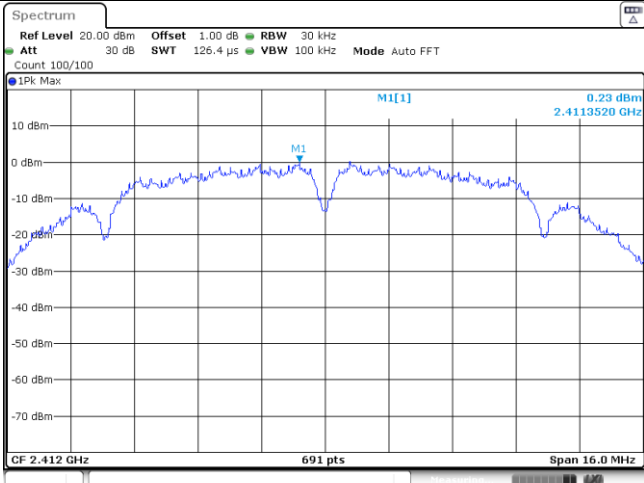
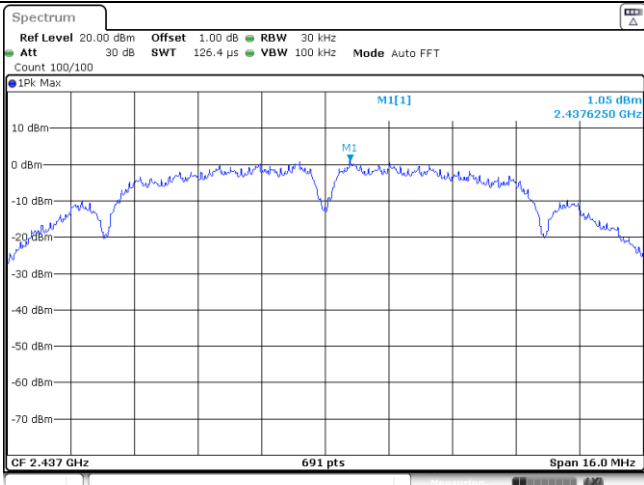
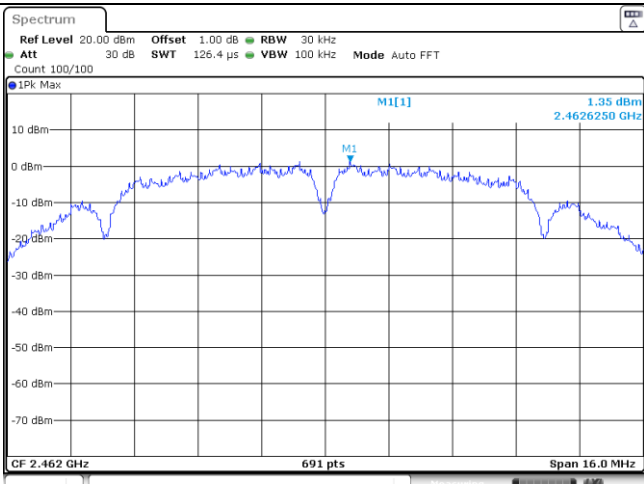
| Appendix clause | Test item | Result |
|-----------------|--|--------|
| A | Conducted Peak Output Power | PASS |
| B | Power Spectral Density | PASS |
| C | 6 dB Bandwidth | PASS |
| D | 99% Occupied Bandwidth | PASS |
| E | Duty Cycle | PASS |
| E | Band edge and Spurious Emissions (conducted) | PASS |

Appendix A: Conducted Peak Output Power

| Type | Channel | Peak Output power (dBm) | Average Output power (dBm) | Limit (dBm) | Result |
|---------------|---------|-------------------------|----------------------------|-------------|--------|
| 802.11b | 01 | 17.63 | 15.36 | ≤30.00 | Pass |
| | 06 | 17.44 | 16.06 | | |
| | 11 | 18.83 | 16.32 | | |
| 802.11g | 01 | 16.84 | 13.37 | ≤30.00 | Pass |
| | 06 | 17.69 | 14.23 | | |
| | 11 | 17.65 | 14.17 | | |
| 802.11n(HT20) | 01 | 15.96 | 12.85 | ≤30.00 | Pass |
| | 06 | 17.54 | 14.11 | | |
| | 11 | 17.59 | 14.27 | | |
| 802.11n(HT40) | 03 | 16.34 | 12.41 | ≤30.00 | Pass |
| | 06 | 17.54 | 12.83 | | |
| | 09 | 17.88 | 14.07 | | |

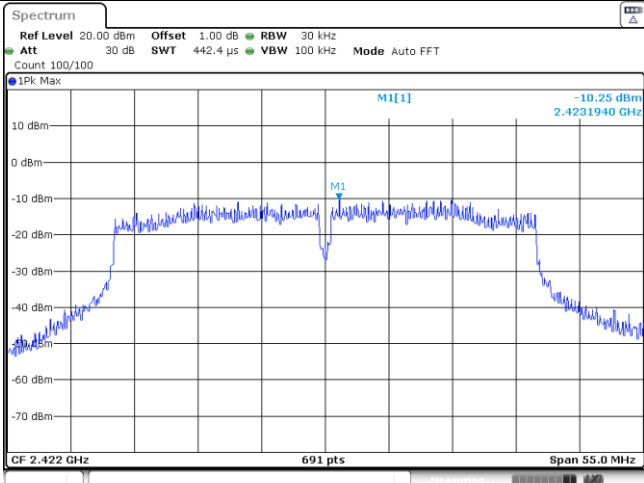
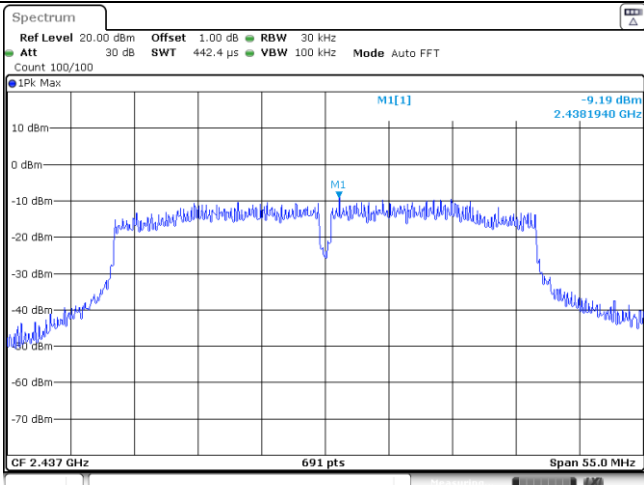
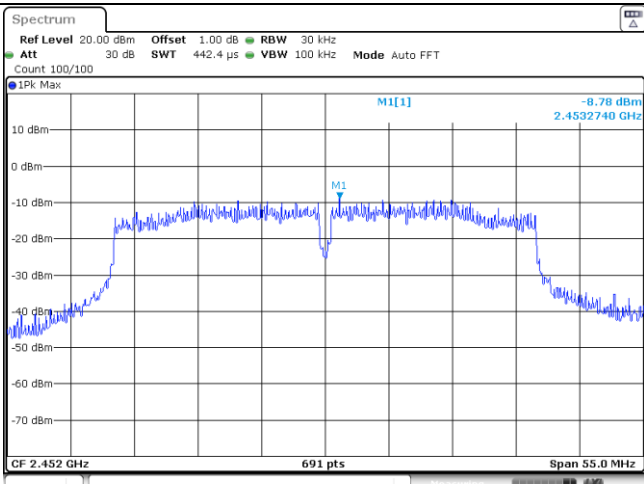
Appendix B: Power Spectral Density

| Type | Channel | Power Spectral Density (dBm/30KHz) | Limit (dBm/3KHz) | Result |
|---------------|---------|------------------------------------|------------------|--------|
| 802.11b | 01 | 0.23 | ≤8.00 | Pass |
| | 06 | 1.05 | | |
| | 11 | 1.35 | | |
| 802.11g | 01 | -6.81 | ≤8.00 | Pass |
| | 06 | -5.76 | | |
| | 11 | -5.58 | | |
| 802.11n(HT20) | 01 | -7.44 | ≤8.00 | Pass |
| | 06 | -6.16 | | |
| | 11 | -6.06 | | |
| 802.11n(HT40) | 03 | -10.25 | ≤8.00 | Pass |
| | 06 | -9.19 | | |
| | 09 | -8.78 | | |

| Type: | | 802.11 b |
|-------|---|----------|
| CH01 |  <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 126.4 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] 0.23 dBm 2.4113520 GHz</p> <p>CF 2.412 GHz 691 pts Span 16.0 MHz</p> <p>Date: 18 MAY 2020 10:18:15</p> | |
| CH06 |  <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 126.4 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] 1.05 dBm 2.4376250 GHz</p> <p>CF 2.437 GHz 691 pts Span 16.0 MHz</p> <p>Date: 18 MAY 2020 10:22:09</p> | |
| CH11 |  <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 126.4 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] 1.35 dBm 2.4626250 GHz</p> <p>CF 2.462 GHz 691 pts Span 16.0 MHz</p> <p>Date: 18 MAY 2020 10:25:45</p> | |

| Type: | | 802.11 g |
|-------|--|----------|
| CH01 | <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 189.6 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] -6.81 dBm 2.4144600 GHz</p> <p>CF 2.412 GHz 691 pts Span 25.0 MHz</p> <p>Date: 18 MAY 2020 10:49:07</p> | |
| CH06 | <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 189.6 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] -5.76 dBm 2.4384830 GHz</p> <p>CF 2.437 GHz 691 pts Span 25.0 MHz</p> <p>Date: 18 MAY 2020 10:52:20</p> | |
| CH11 | <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 189.6 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] -5.58 dBm 2.4607340 GHz</p> <p>CF 2.462 GHz 691 pts Span 25.0 MHz</p> <p>Date: 18 MAY 2020 10:55:49</p> | |

| Type: | | 802.11n(HT20) |
|-------|--|---------------|
| CH01 | <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 189.6 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] -7.44 dBm 2.4169570 GHz</p> <p>CF 2.412 GHz 691 pts Span 25.0 MHz</p> <p>Date: 18 MAY 2020 10:59:00</p> | |
| CH06 | <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 189.6 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] -6.16 dBm 2.4376150 GHz</p> <p>CF 2.437 GHz 691 pts Span 25.0 MHz</p> <p>Date: 18 MAY 2020 11:03:18</p> | |
| CH11 | <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 189.6 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] -6.06 dBm 2.4632300 GHz</p> <p>CF 2.462 GHz 691 pts Span 25.0 MHz</p> <p>Date: 18 MAY 2020 11:07:51</p> | |

| Type: | | 802.11n(HT40) |
|-------|--|---------------|
| CH03 |  <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 442.4 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] -10.25 dBm 2.4231940 GHz</p> <p>CF 2.422 GHz 691 pts Span 55.0 MHz</p> <p>Date: 18 MAY 2020 11:11:41</p> | |
| CH06 |  <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 442.4 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] -9.19 dBm 2.4381940 GHz</p> <p>CF 2.437 GHz 691 pts Span 55.0 MHz</p> <p>Date: 18 MAY 2020 11:19:26</p> | |
| CH09 |  <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 442.4 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] -9.78 dBm 2.4532740 GHz</p> <p>CF 2.452 GHz 691 pts Span 55.0 MHz</p> <p>Date: 18 MAY 2020 11:21:20</p> | |

Appendix C: 6dB bandwidth

| Type | Channel | 6dB Bandwidth (MHz) | Limit (MHz) | Result |
|---------------|---------|---------------------|-------------|--------|
| 802.11b | 01 | 9.27 | ≥0.5 | Pass |
| | 06 | 9.87 | | |
| | 11 | 9.15 | | |
| 802.11g | 01 | 14.19 | ≥0.5 | Pass |
| | 06 | 15.12 | | |
| | 11 | 15.12 | | |
| 802.11n(HT20) | 01 | 15.15 | ≥0.5 | Pass |
| | 06 | 15.12 | | |
| | 11 | 15.12 | | |
| 802.11n(HT40) | 03 | 35.28 | ≥0.5 | Pass |
| | 06 | 35.22 | | |
| | 09 | 35.28 | | |

| Type: | 802.11 b | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|--|------|-------------|-----------|----------|-----------------|----------|-----------------|----|--|---|-------------|-----------|--|--|----|--|---|-------------|----------|--|--|----|----|---|----------|----------|--|--|
| CH01 | <p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 500/500 IPK View</p> <p>CF 2.412 GHz 1001 pts Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.40738 GHz</td> <td>-2.48 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.41149 GHz</td> <td>3.89 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>9.27 MHz</td> <td>0.33 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18MAY.2020 10:18:00</p> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | | 1 | 2.40738 GHz | -2.48 dBm | | | M2 | | 1 | 2.41149 GHz | 3.89 dBm | | | D3 | M1 | 1 | 9.27 MHz | 0.33 dB | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | | 1 | 2.40738 GHz | -2.48 dBm | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | | 1 | 2.41149 GHz | 3.89 dBm | | | | | | | | | | | | | | | | | | | | | | | | | |
| D3 | M1 | 1 | 9.27 MHz | 0.33 dB | | | | | | | | | | | | | | | | | | | | | | | | | |
| CH06 | <p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 500/500 IPK View</p> <p>CF 2.437 GHz 1001 pts Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.43196 GHz</td> <td>-1.36 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.43748 GHz</td> <td>4.66 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>9.87 MHz</td> <td>-0.19 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18MAY.2020 10:21:54</p> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | | 1 | 2.43196 GHz | -1.36 dBm | | | M2 | | 1 | 2.43748 GHz | 4.66 dBm | | | D3 | M1 | 1 | 9.87 MHz | -0.19 dB | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | | 1 | 2.43196 GHz | -1.36 dBm | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | | 1 | 2.43748 GHz | 4.66 dBm | | | | | | | | | | | | | | | | | | | | | | | | | |
| D3 | M1 | 1 | 9.87 MHz | -0.19 dB | | | | | | | | | | | | | | | | | | | | | | | | | |
| CH11 | <p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 500/500 IPK View</p> <p>CF 2.462 GHz 1001 pts Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.45741 GHz</td> <td>-1.48 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.46248 GHz</td> <td>5.29 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>9.15 MHz</td> <td>-0.07 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18MAY.2020 10:25:05</p> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | | 1 | 2.45741 GHz | -1.48 dBm | | | M2 | | 1 | 2.46248 GHz | 5.29 dBm | | | D3 | M1 | 1 | 9.15 MHz | -0.07 dB | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | | 1 | 2.45741 GHz | -1.48 dBm | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | | 1 | 2.46248 GHz | 5.29 dBm | | | | | | | | | | | | | | | | | | | | | | | | | |
| D3 | M1 | 1 | 9.15 MHz | -0.07 dB | | | | | | | | | | | | | | | | | | | | | | | | | |

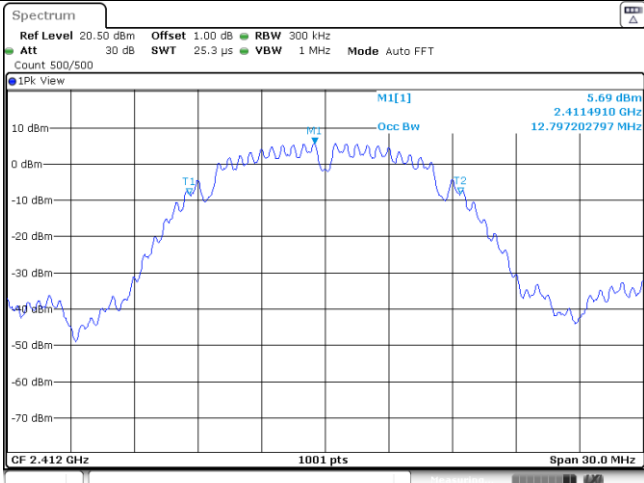
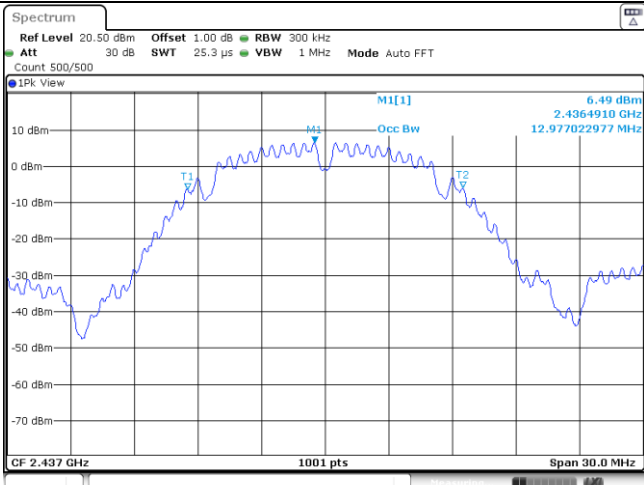
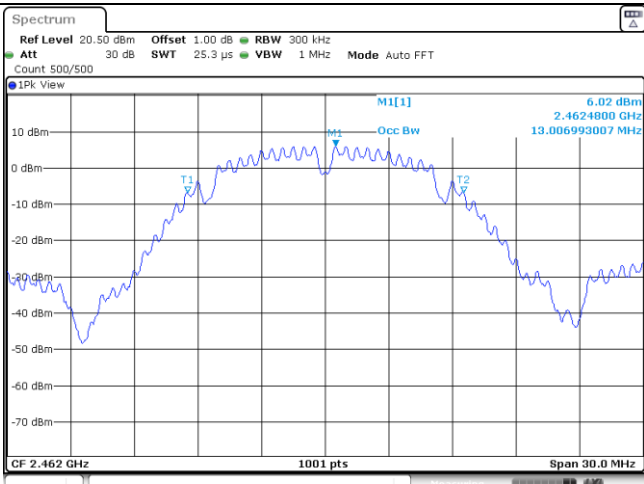
| Type: | 802.11 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|--|------|-------------|-----------|----------|-----------------|----------|-----------------|----|--|---|-------------|-----------|--|--|----|--|---|-------------|-----------|--|--|----|----|---|-----------|----------|--|--|
| CH01 | <p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>CF 2.412 GHz 1001 pts Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.40507 GHz</td> <td>-8.93 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.41449 GHz</td> <td>-2.75 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>14.19 MHz</td> <td>0.13 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18 MAY 2020 10:54:06</p> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | | 1 | 2.40507 GHz | -8.93 dBm | | | M2 | | 1 | 2.41449 GHz | -2.75 dBm | | | D3 | M1 | 1 | 14.19 MHz | 0.13 dB | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | | 1 | 2.40507 GHz | -8.93 dBm | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | | 1 | 2.41449 GHz | -2.75 dBm | | | | | | | | | | | | | | | | | | | | | | | | | |
| D3 | M1 | 1 | 14.19 MHz | 0.13 dB | | | | | | | | | | | | | | | | | | | | | | | | | |
| CH06 | <p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>CF 2.437 GHz 1001 pts Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.42944 GHz</td> <td>-8.20 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.43571 GHz</td> <td>-1.40 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.12 MHz</td> <td>-0.23 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18 MAY 2020 10:51:36</p> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | | 1 | 2.42944 GHz | -8.20 dBm | | | M2 | | 1 | 2.43571 GHz | -1.40 dBm | | | D3 | M1 | 1 | 15.12 MHz | -0.23 dB | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | | 1 | 2.42944 GHz | -8.20 dBm | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | | 1 | 2.43571 GHz | -1.40 dBm | | | | | | | | | | | | | | | | | | | | | | | | | |
| D3 | M1 | 1 | 15.12 MHz | -0.23 dB | | | | | | | | | | | | | | | | | | | | | | | | | |
| CH11 | <p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>CF 2.462 GHz 1001 pts Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.45441 GHz</td> <td>-8.20 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.46449 GHz</td> <td>-0.81 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.12 MHz</td> <td>1.26 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18 MAY 2020 10:53:04</p> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | | 1 | 2.45441 GHz | -8.20 dBm | | | M2 | | 1 | 2.46449 GHz | -0.81 dBm | | | D3 | M1 | 1 | 15.12 MHz | 1.26 dB | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | | 1 | 2.45441 GHz | -8.20 dBm | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | | 1 | 2.46449 GHz | -0.81 dBm | | | | | | | | | | | | | | | | | | | | | | | | | |
| D3 | M1 | 1 | 15.12 MHz | 1.26 dB | | | | | | | | | | | | | | | | | | | | | | | | | |

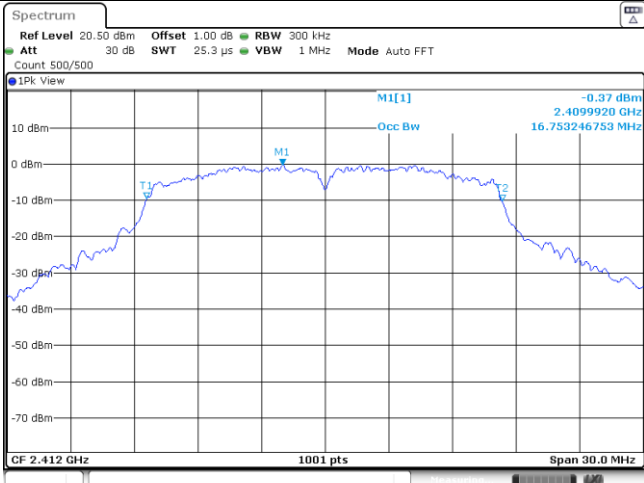
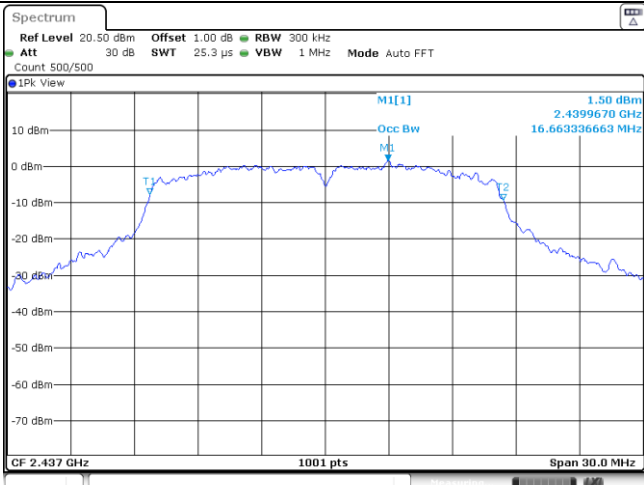
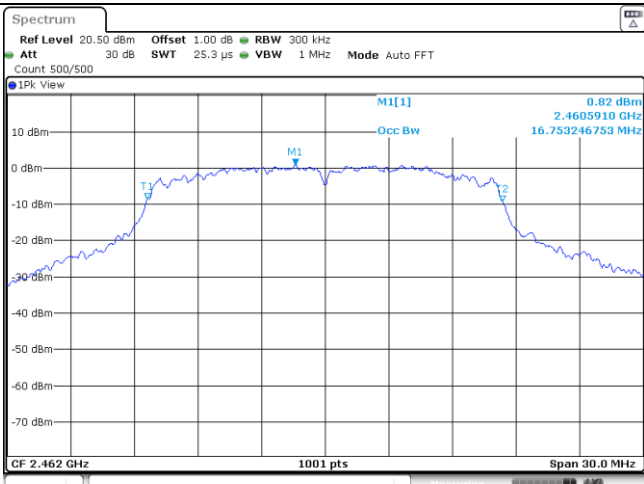
| Type: | | 802.11n(HT20) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|---------------|-------------|-----------|----------|-----------------|---------|----------|-----------------|----|--|---|-------------|-----------|--|--|----|--|---|-------------|-----------|--|--|----|----|---|-----------|----------|--|--|
| CH01 | <p>CF 2.412 GHz 1001 pts Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.40441 GHz</td> <td>-9.50 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.41071 GHz</td> <td>-2.40 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.15 MHz</td> <td>0.30 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18 MAY 2020 10:59:35</p> | | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | | 1 | 2.40441 GHz | -9.50 dBm | | | M2 | | 1 | 2.41071 GHz | -2.40 dBm | | | D3 | M1 | 1 | 15.15 MHz | 0.30 dB | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | | 1 | 2.40441 GHz | -9.50 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | | 1 | 2.41071 GHz | -2.40 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D3 | M1 | 1 | 15.15 MHz | 0.30 dB | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CH06 | <p>CF 2.437 GHz 1001 pts Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.43031 GHz</td> <td>-8.80 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.43949 GHz</td> <td>-2.45 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.12 MHz</td> <td>-1.05 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18 MAY 2020 11:02:43</p> | | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | | 1 | 2.43031 GHz | -8.80 dBm | | | M2 | | 1 | 2.43949 GHz | -2.45 dBm | | | D3 | M1 | 1 | 15.12 MHz | -1.05 dB | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | | 1 | 2.43031 GHz | -8.80 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | | 1 | 2.43949 GHz | -2.45 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D3 | M1 | 1 | 15.12 MHz | -1.05 dB | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CH11 | <p>CF 2.462 GHz 1001 pts Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.45444 GHz</td> <td>-6.84 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.46449 GHz</td> <td>-0.78 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.12 MHz</td> <td>-1.26 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18 MAY 2020 11:03:34</p> | | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | | 1 | 2.45444 GHz | -6.84 dBm | | | M2 | | 1 | 2.46449 GHz | -0.78 dBm | | | D3 | M1 | 1 | 15.12 MHz | -1.26 dB | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | | 1 | 2.45444 GHz | -6.84 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | | 1 | 2.46449 GHz | -0.78 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D3 | M1 | 1 | 15.12 MHz | -1.26 dB | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Type: | 802.11n(HT40) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|------|-------------|------------|----------|-----------------|----------|-----------------|----|--|---|-------------|------------|--|--|----|--|---|-------------|-----------|--|--|----|----|---|-----------|---------|--|--|
| CH03 | <p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 132.7 μs VBW 300 kHz Mode Auto FFT Count 500/500</p> <p>IPK View M1[1] -13.72 dBm 2.4043600 GHz M2[1] -4.76 dBm 2.4269800 GHz</p> <p>CF 2.422 GHz 1001 pts Span 60.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.40436 GHz</td> <td>-13.72 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.42698 GHz</td> <td>-4.76 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>35.28 MHz</td> <td>0.73 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18 MAY 2020 11:11:25</p> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | | 1 | 2.40436 GHz | -13.72 dBm | | | M2 | | 1 | 2.42698 GHz | -4.76 dBm | | | D3 | M1 | 1 | 35.28 MHz | 0.73 dB | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | | 1 | 2.40436 GHz | -13.72 dBm | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | | 1 | 2.42698 GHz | -4.76 dBm | | | | | | | | | | | | | | | | | | | | | | | | | |
| D3 | M1 | 1 | 35.28 MHz | 0.73 dB | | | | | | | | | | | | | | | | | | | | | | | | | |
| CH06 | <p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 132.7 μs VBW 300 kHz Mode Auto FFT Count 500/500</p> <p>IPK View M1[1] -12.91 dBm 2.4193600 GHz M2[1] -3.92 dBm 2.4419800 GHz</p> <p>CF 2.437 GHz 1001 pts Span 60.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.41936 GHz</td> <td>-12.91 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.44198 GHz</td> <td>-3.92 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>35.28 MHz</td> <td>2.85 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18 MAY 2020 11:19:05</p> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | | 1 | 2.41936 GHz | -12.91 dBm | | | M2 | | 1 | 2.44198 GHz | -3.92 dBm | | | D3 | M1 | 1 | 35.28 MHz | 2.85 dB | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | | 1 | 2.41936 GHz | -12.91 dBm | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | | 1 | 2.44198 GHz | -3.92 dBm | | | | | | | | | | | | | | | | | | | | | | | | | |
| D3 | M1 | 1 | 35.28 MHz | 2.85 dB | | | | | | | | | | | | | | | | | | | | | | | | | |
| CH09 | <p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 132.7 μs VBW 300 kHz Mode Auto FFT Count 500/500</p> <p>IPK View M1[1] -13.43 dBm 2.4343600 GHz M2[1] -4.39 dBm 2.4569800 GHz</p> <p>CF 2.452 GHz 1001 pts Span 60.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.43436 GHz</td> <td>-13.43 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.45698 GHz</td> <td>-4.39 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>35.28 MHz</td> <td>0.56 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18 MAY 2020 11:20:52</p> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | | 1 | 2.43436 GHz | -13.43 dBm | | | M2 | | 1 | 2.45698 GHz | -4.39 dBm | | | D3 | M1 | 1 | 35.28 MHz | 0.56 dB | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | | 1 | 2.43436 GHz | -13.43 dBm | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | | 1 | 2.45698 GHz | -4.39 dBm | | | | | | | | | | | | | | | | | | | | | | | | | |
| D3 | M1 | 1 | 35.28 MHz | 0.56 dB | | | | | | | | | | | | | | | | | | | | | | | | | |

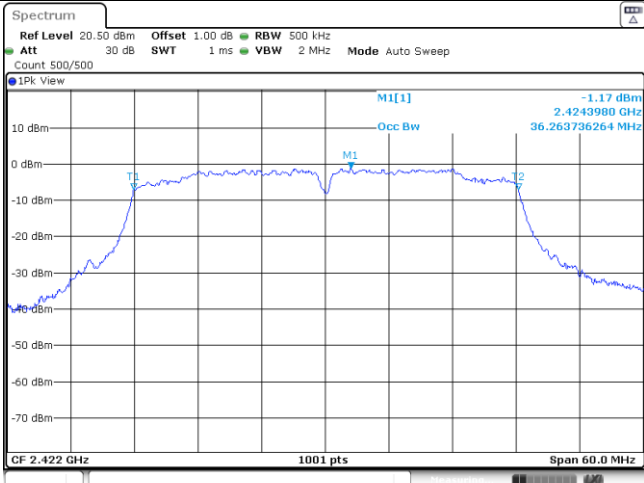
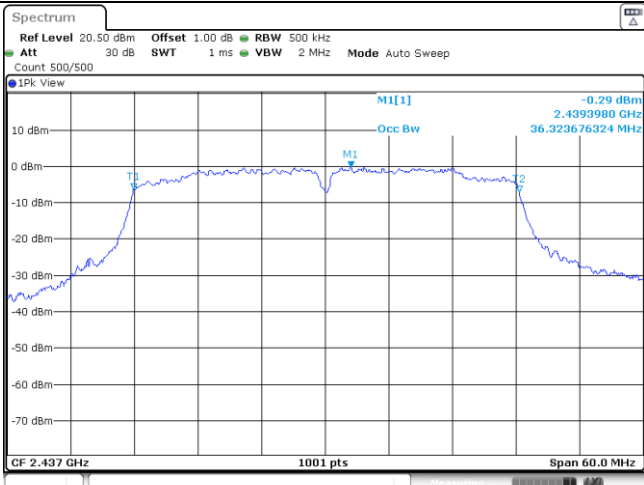
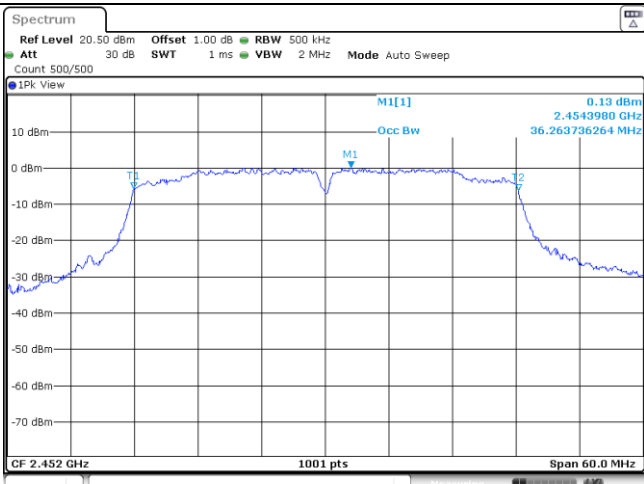
Appendix D: 99% Occupied Bandwidth

| Type | Channel | 99% Bandwidth (MHz) | Limit (kHz) | Result |
|---------------|---------|---------------------|-------------|--------|
| 802.11b | 01 | 12.80 | - | Pass |
| | 06 | 12.98 | | |
| | 11 | 13.01 | | |
| 802.11g | 01 | 16.75 | - | Pass |
| | 06 | 16.66 | | |
| | 11 | 16.75 | | |
| 802.11n(HT20) | 01 | 17.86 | - | Pass |
| | 06 | 17.95 | | |
| | 11 | 17.89 | | |
| 802.11n(HT40) | 03 | 36.26 | - | Pass |
| | 06 | 36.32 | | |
| | 09 | 36.26 | | |

| Type: | | 802.11 b |
|-------|--|----------|
| CH01 |  <p>Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>M1[1] 5.69 dBm 2.4114910 GHz Occ Bw 12.797202797 MHz</p> <p>T1 T2</p> <p>CF 2.412 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 18 MAY 2020 10:18:09</p> | |
| CH06 |  <p>Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>M1[1] 6.49 dBm 2.4364910 GHz Occ Bw 12.977022977 MHz</p> <p>T1 T2</p> <p>CF 2.437 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 18 MAY 2020 10:22:02</p> | |
| CH11 |  <p>Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>M1[1] 6.02 dBm 2.4624800 GHz Occ Bw 13.006993007 MHz</p> <p>T1 T2</p> <p>CF 2.462 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 18 MAY 2020 10:25:13</p> | |

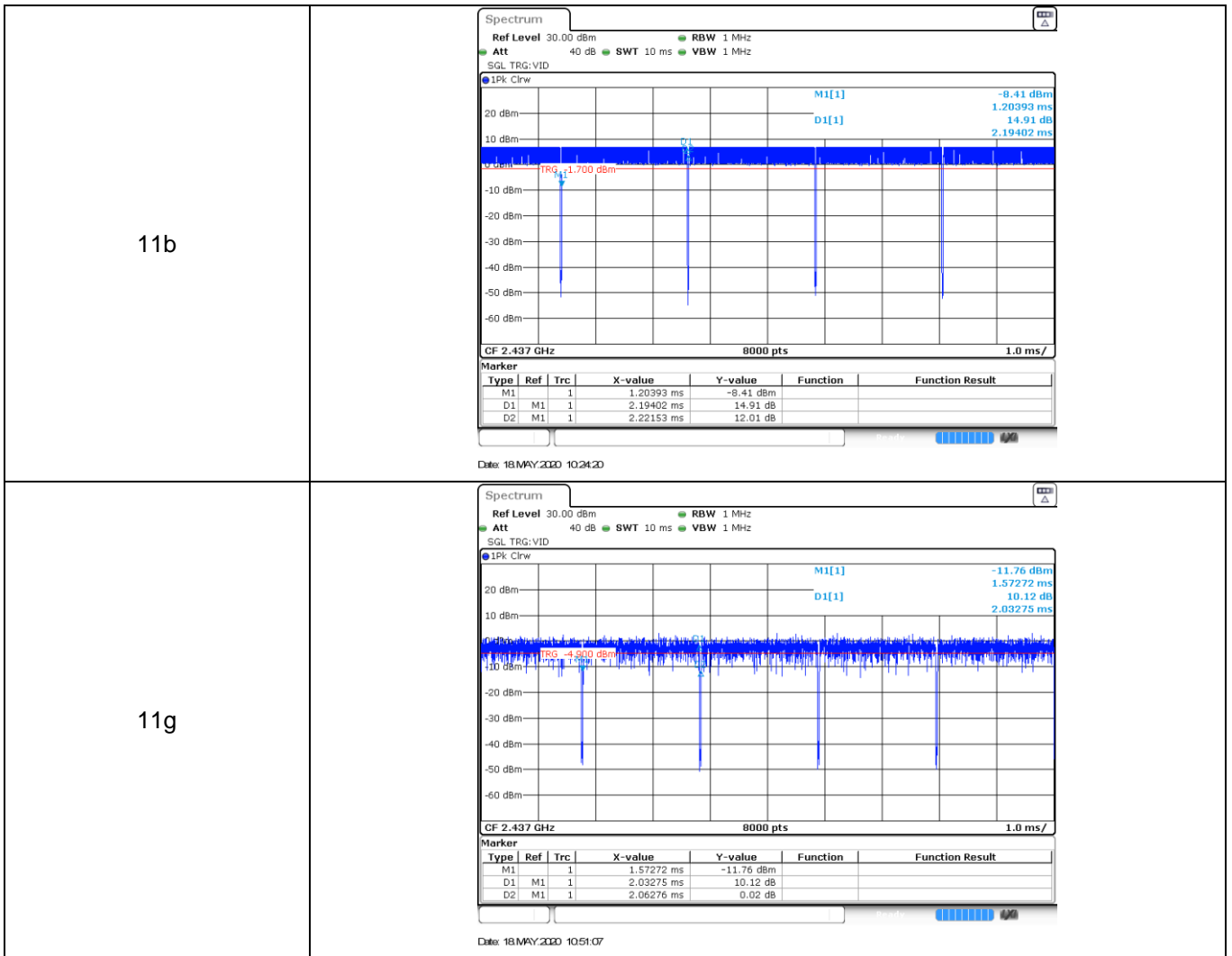
| Type: | | 802.11 g |
|-------|--|----------|
| CH01 |  <p>Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>M1[1] -0.37 dBm 2.4099920 GHz Occ Bw 16.753246753 MHz</p> <p>CF 2.412 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 18 MAY 2020 10:49:00</p> | |
| CH06 |  <p>Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>M1[1] 1.50 dBm 2.4399670 GHz Occ Bw 16.663336663 MHz</p> <p>CF 2.437 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 18 MAY 2020 10:51:44</p> | |
| CH11 |  <p>Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>M1[1] 0.82 dBm 2.4605910 GHz Occ Bw 16.753246753 MHz</p> <p>CF 2.462 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 18 MAY 2020 10:53:13</p> | |

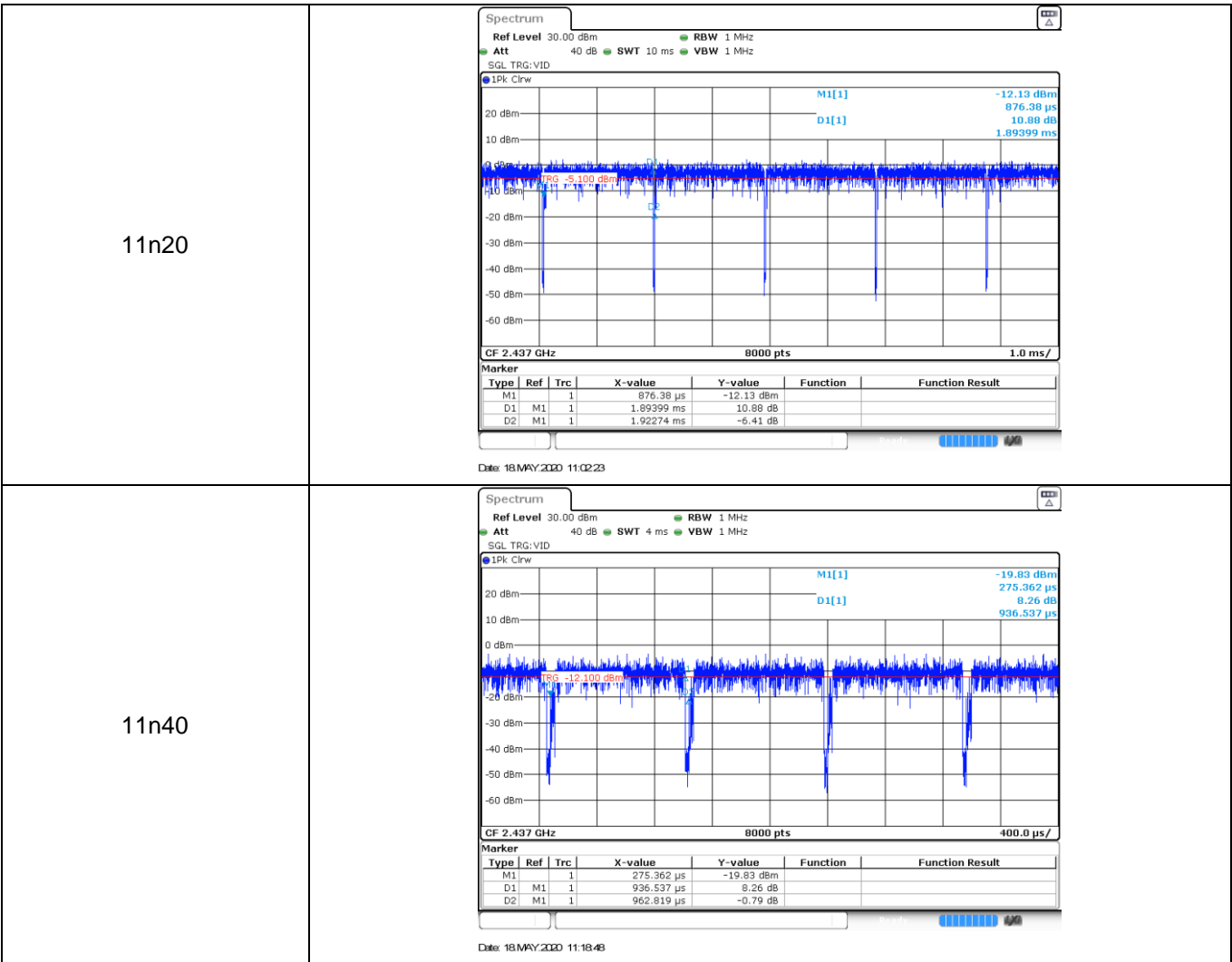
| Type: | | 802.11n(HT20) |
|-------|--|---------------|
| CH01 | <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>M1[1] -0.40 dBm 2.4155060 GHz Occ Bw 17.862137862 MHz</p> <p>CF 2.412 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 18 MAY 2020 10:59:43</p> | |
| CH06 | <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>M1[1] 0.82 dBm 2.4409860 GHz Occ Bw 17.952047952 MHz</p> <p>CF 2.437 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 18 MAY 2020 11:02:56</p> | |
| CH11 | <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>M1[1] 0.88 dBm 2.4661060 GHz Occ Bw 17.892107892 MHz</p> <p>CF 2.462 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 18 MAY 2020 11:03:42</p> | |

| Type: | | 802.11n(HT40) |
|-------|--|---------------|
| CH03 |  <p>Spectrum plot for CH03. The plot shows a signal centered at 2.4249980 GHz with a peak level of -1.17 dBm. The plot includes parameters: Ref Level 20.50 dBm, Att 30 dB, Offset 1.00 dB, RBW 500 kHz, Mode Auto Sweep, Count 500/500, SWT 1 ms, VBW 2 MHz. The plot also shows a carrier frequency (CF) of 2.422 GHz, 1001 points, and a span of 60.0 MHz. The date is 18 MAY 2020 11:11:33.</p> | |
| CH06 |  <p>Spectrum plot for CH06. The plot shows a signal centered at 2.4399980 GHz with a peak level of -0.29 dBm. The plot includes parameters: Ref Level 20.50 dBm, Att 30 dB, Offset 1.00 dB, RBW 500 kHz, Mode Auto Sweep, Count 500/500, SWT 1 ms, VBW 2 MHz. The plot also shows a carrier frequency (CF) of 2.437 GHz, 1001 points, and a span of 60.0 MHz. The date is 18 MAY 2020 11:19:14.</p> | |
| CH09 |  <p>Spectrum plot for CH09. The plot shows a signal centered at 2.4549980 GHz with a peak level of 0.13 dBm. The plot includes parameters: Ref Level 20.50 dBm, Att 30 dB, Offset 1.00 dB, RBW 500 kHz, Mode Auto Sweep, Count 500/500, SWT 1 ms, VBW 2 MHz. The plot also shows a carrier frequency (CF) of 2.452 GHz, 1001 points, and a span of 60.0 MHz. The date is 18 MAY 2020 11:21:00.</p> | |



Appendix E: Duty Cycle

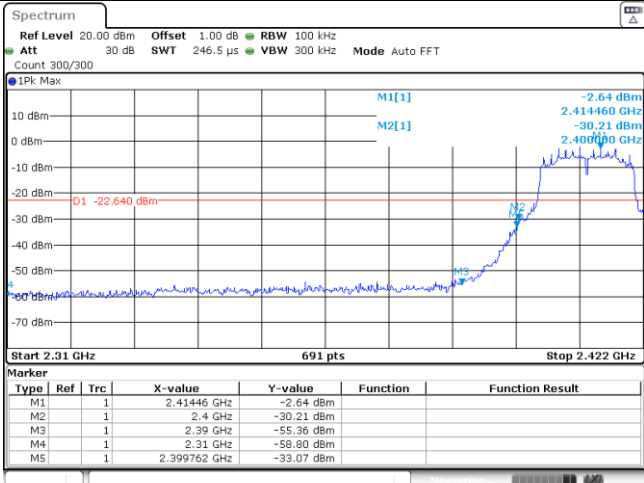
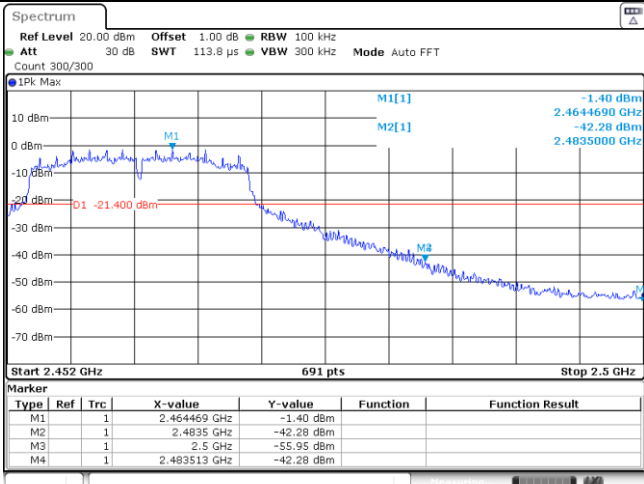
| Modulation Type | Test Frequency (MHz) | T _{on time} for single burst (ms) | T _{period} (ms) | Duty cycle | 1/T _{on time} (kHz) |
|-----------------|----------------------|--|--------------------------|------------|------------------------------|
| 11b | 2437 | 2.19 | 2.22 | 98.6% | 0.5 |
| 11g | 2437 | 2.03 | 2.06 | 98.5% | 0.5 |
| 11n20 | 2437 | 1.89 | 1.92 | 98.4% | 0.5 |
| 11n40 | 2437 | 0.94 | 0.96 | 97.9% | 1.1 |

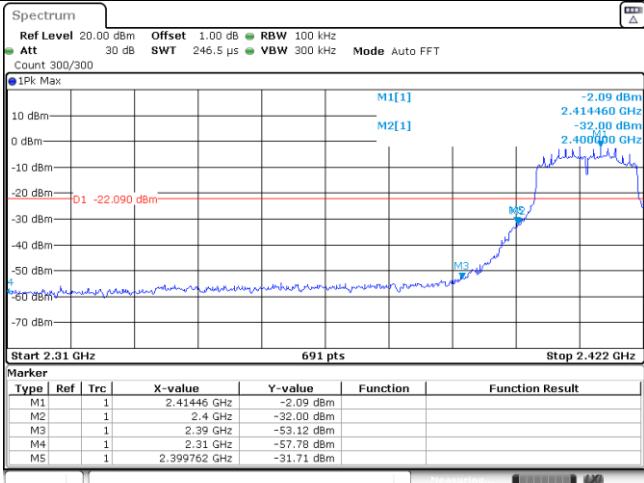
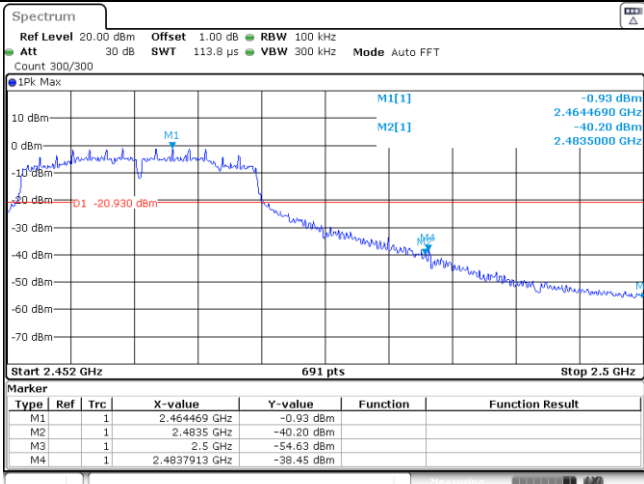


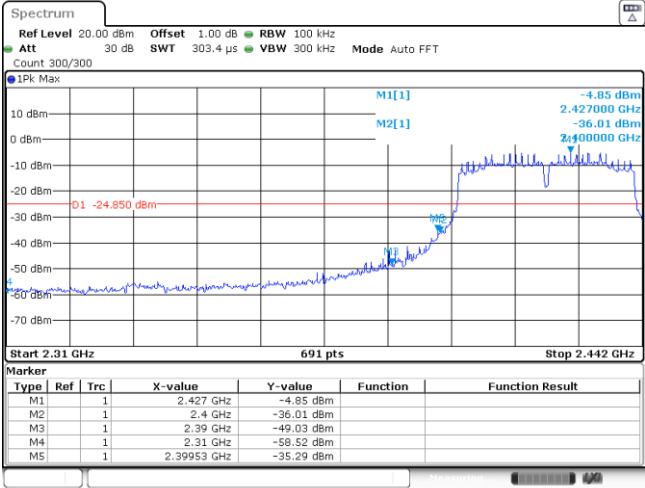
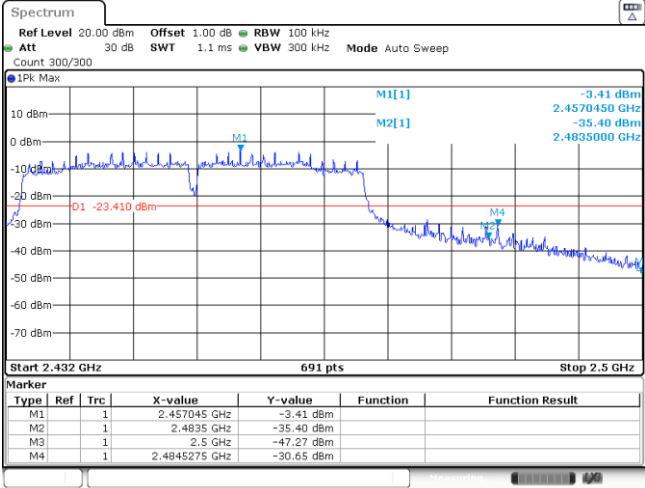


Appendix F: Band edge and Spurious Emissions (conducted)

| Test Item: | Bandedge | Type: | 802.11 b | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|-------|----------|--------------|------------|----------|-----------------|---------|---------|----------|-----------------|----|---|--|--|--------------|----------|--|--|----|---|--|--|------------|------------|--|--|----|---|--|--|----------|------------|--|--|----|---|--|--|--------------|------------|--|--|----|---|--|--|--------------|------------|--|--|
| CH01 |  <p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 246.5 μs VBW 300 kHz Mode Auto FFT Count 300/300 1Pk Max</p> <p>Start 2.31 GHz 691 pts Stop 2.422 GHz</p> <table border="1"> <thead> <tr> <th>Marker</th> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td></td> <td>2.41446 GHz</td> <td>4.14 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td></td> <td>2.4 GHz</td> <td>-48.15 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td></td> <td>2.39 GHz</td> <td>-47.42 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td></td> <td>2.31 GHz</td> <td>-59.36 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td></td> <td>2.398951 GHz</td> <td>-39.63 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18.MAY.2020 10:18:25</p> | | | Marker | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | | | 2.41446 GHz | 4.14 dBm | | | M2 | 1 | | | 2.4 GHz | -48.15 dBm | | | M3 | 1 | | | 2.39 GHz | -47.42 dBm | | | M4 | 1 | | | 2.31 GHz | -59.36 dBm | | | M5 | 1 | | | 2.398951 GHz | -39.63 dBm | | |
| Marker | Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | | 2.41446 GHz | 4.14 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | 1 | | | 2.4 GHz | -48.15 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M3 | 1 | | | 2.39 GHz | -47.42 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M4 | 1 | | | 2.31 GHz | -59.36 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M5 | 1 | | | 2.398951 GHz | -39.63 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CH11 |  <p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 113.8 μs VBW 300 kHz Mode Auto FFT Count 300/300 1Pk Max</p> <p>Start 2.452 GHz 691 pts Stop 2.5 GHz</p> <table border="1"> <thead> <tr> <th>Marker</th> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td></td> <td>2.459467 GHz</td> <td>5.13 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td></td> <td>2.4835 GHz</td> <td>-35.93 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td></td> <td>2.5 GHz</td> <td>-50.19 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td></td> <td>2.483513 GHz</td> <td>-35.93 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18.MAY.2020 10:25:54</p> | | | Marker | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | | | 2.459467 GHz | 5.13 dBm | | | M2 | 1 | | | 2.4835 GHz | -35.93 dBm | | | M3 | 1 | | | 2.5 GHz | -50.19 dBm | | | M4 | 1 | | | 2.483513 GHz | -35.93 dBm | | | | | | | | | | |
| Marker | Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | | 2.459467 GHz | 5.13 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | 1 | | | 2.4835 GHz | -35.93 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M3 | 1 | | | 2.5 GHz | -50.19 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M4 | 1 | | | 2.483513 GHz | -35.93 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

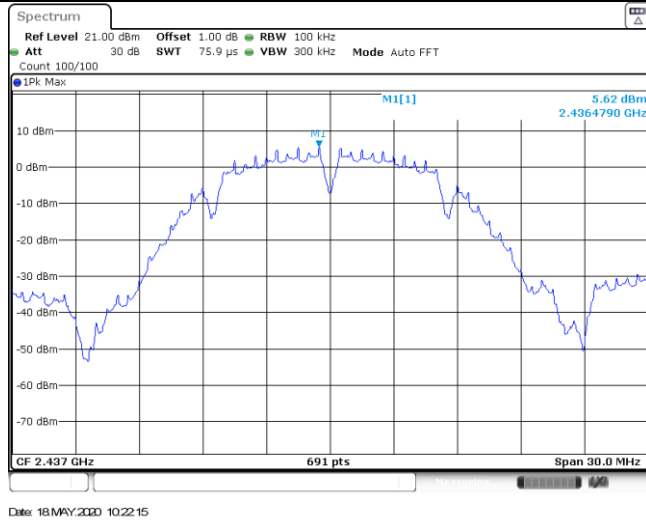
| Test Item: | Bandedge | Type: | 802.11 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---|-------|----------|--------------|------------|----------|-----------------|---------|---------|----------|-----------------|----|---|--|--|--------------|-----------|--|--|----|---|--|--|------------|------------|--|--|----|---|--|--|----------|------------|--|--|----|---|--|--|--------------|------------|--|--|----|---|--|--|--------------|------------|--|--|
| CH01 |  <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 246.5 μs VBW 300 kHz Mode Auto FFT Count 300/300</p> <p>Start 2.31 GHz 691 pts Stop 2.422 GHz</p> <table border="1"> <thead> <tr> <th>Marker</th> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td></td> <td>2.41446 GHz</td> <td>-2.64 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td></td> <td>2.4 GHz</td> <td>-30.21 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td></td> <td>2.39 GHz</td> <td>-55.36 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td></td> <td>2.31 GHz</td> <td>-58.80 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td></td> <td>2.399762 GHz</td> <td>-33.07 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18 MAY 2020 10:43:17</p> | | | Marker | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | | | 2.41446 GHz | -2.64 dBm | | | M2 | 1 | | | 2.4 GHz | -30.21 dBm | | | M3 | 1 | | | 2.39 GHz | -55.36 dBm | | | M4 | 1 | | | 2.31 GHz | -58.80 dBm | | | M5 | 1 | | | 2.399762 GHz | -33.07 dBm | | |
| Marker | Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | | 2.41446 GHz | -2.64 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | 1 | | | 2.4 GHz | -30.21 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M3 | 1 | | | 2.39 GHz | -55.36 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M4 | 1 | | | 2.31 GHz | -58.80 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M5 | 1 | | | 2.399762 GHz | -33.07 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CH11 |  <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 113.8 μs VBW 300 kHz Mode Auto FFT Count 300/300</p> <p>Start 2.452 GHz 691 pts Stop 2.5 GHz</p> <table border="1"> <thead> <tr> <th>Marker</th> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td></td> <td>2.464469 GHz</td> <td>-1.40 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td></td> <td>2.4835 GHz</td> <td>-42.28 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td></td> <td>2.5 GHz</td> <td>-55.95 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td></td> <td>2.483513 GHz</td> <td>-42.28 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18 MAY 2020 10:57:05</p> | | | Marker | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | | | 2.464469 GHz | -1.40 dBm | | | M2 | 1 | | | 2.4835 GHz | -42.28 dBm | | | M3 | 1 | | | 2.5 GHz | -55.95 dBm | | | M4 | 1 | | | 2.483513 GHz | -42.28 dBm | | | | | | | | | | |
| Marker | Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | | 2.464469 GHz | -1.40 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | 1 | | | 2.4835 GHz | -42.28 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M3 | 1 | | | 2.5 GHz | -55.95 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M4 | 1 | | | 2.483513 GHz | -42.28 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Test Item: | Bandedge | Type: | 802.11 n(HT20) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|-------|----------------|------------|----------|-----------------|---------|---------|----------|-----------------|----|---|--|--------------|-----------|--|--|----|---|--|------------|------------|--|--|----|---|--|----------|------------|--|--|----|---|--|---------------|------------|--|--|----|---|--|--------------|------------|--|--|
| CH01 |  <p>Marker</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.41446 GHz</td> <td>-2.09 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-32.00 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-53.12 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-57.78 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399762 GHz</td> <td>-31.71 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18 MAY 2020 11:03:40</p> | | | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | | 2.41446 GHz | -2.09 dBm | | | M2 | 1 | | 2.4 GHz | -32.00 dBm | | | M3 | 1 | | 2.39 GHz | -53.12 dBm | | | M4 | 1 | | 2.31 GHz | -57.78 dBm | | | M5 | 1 | | 2.399762 GHz | -31.71 dBm | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.41446 GHz | -2.09 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | 1 | | 2.4 GHz | -32.00 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M3 | 1 | | 2.39 GHz | -53.12 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M4 | 1 | | 2.31 GHz | -57.78 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M5 | 1 | | 2.399762 GHz | -31.71 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CH11 |  <p>Marker</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.464469 GHz</td> <td>-0.93 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-40.20 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-54.63 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.4837913 GHz</td> <td>-38.45 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18 MAY 2020 11:03:32</p> | | | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | | 2.464469 GHz | -0.93 dBm | | | M2 | 1 | | 2.4835 GHz | -40.20 dBm | | | M3 | 1 | | 2.5 GHz | -54.63 dBm | | | M4 | 1 | | 2.4837913 GHz | -38.45 dBm | | | | | | | | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.464469 GHz | -0.93 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | 1 | | 2.4835 GHz | -40.20 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M3 | 1 | | 2.5 GHz | -54.63 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M4 | 1 | | 2.4837913 GHz | -38.45 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

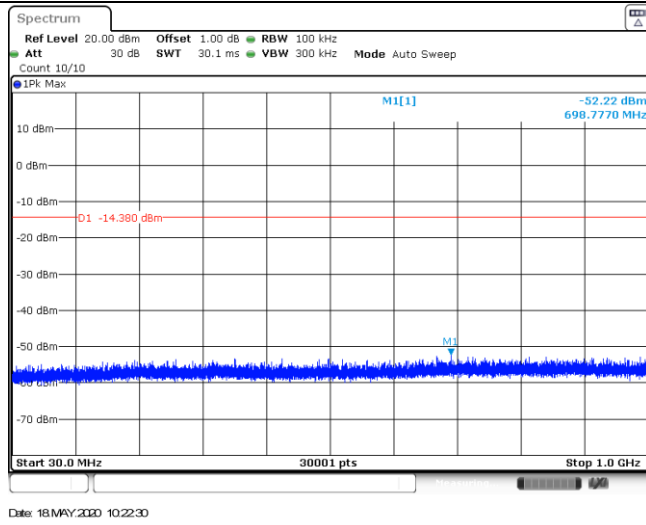
| Test Item: | Bandedge | Type: | 802.11 n(HT40) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|-------|----------------|------------|----------|-----------------|---------|---------|----------|-----------------|----|---|---|--------------|-----------|--|--|----|---|---|------------|------------|--|--|----|---|---|----------|------------|--|--|----|---|---|---------------|------------|--|--|----|---|---|-------------|------------|--|--|
| CH03 |  <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 303.4 μs VBW 300 kHz Mode Auto FFT Count 300/300</p> <p>1PK Max</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm</p> <p>M1[1] -4.85 dBm 2.427000 GHz M2[1] -36.01 dBm 2.4400000 GHz</p> <p>D1 -24.850 dBm</p> <p>Start 2.31 GHz 691 pts Stop 2.442 GHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td>1</td> <td>2.427 GHz</td> <td>-4.85 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td>1</td> <td>2.4 GHz</td> <td>-36.01 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td>1</td> <td>2.39 GHz</td> <td>-49.03 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td>1</td> <td>2.31 GHz</td> <td>-58.52 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td>1</td> <td>2.39953 GHz</td> <td>-35.29 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18 MAY 2020 11:12:41</p> | | | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | 1 | 2.427 GHz | -4.85 dBm | | | M2 | 1 | 1 | 2.4 GHz | -36.01 dBm | | | M3 | 1 | 1 | 2.39 GHz | -49.03 dBm | | | M4 | 1 | 1 | 2.31 GHz | -58.52 dBm | | | M5 | 1 | 1 | 2.39953 GHz | -35.29 dBm | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | 1 | 2.427 GHz | -4.85 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | 1 | 1 | 2.4 GHz | -36.01 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M3 | 1 | 1 | 2.39 GHz | -49.03 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M4 | 1 | 1 | 2.31 GHz | -58.52 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M5 | 1 | 1 | 2.39953 GHz | -35.29 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CH09 |  <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 300/300</p> <p>1PK Max</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm</p> <p>M1[1] -3.41 dBm 2.4570450 GHz M2[1] -35.40 dBm 2.4835000 GHz</p> <p>D1 -23.410 dBm</p> <p>Start 2.432 GHz 691 pts Stop 2.5 GHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td>1</td> <td>2.457045 GHz</td> <td>-3.41 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td>1</td> <td>2.4835 GHz</td> <td>-35.40 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td>1</td> <td>2.5 GHz</td> <td>-47.27 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td>1</td> <td>2.4845275 GHz</td> <td>-30.65 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18 MAY 2020 11:21:51</p> | | | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | 1 | 2.457045 GHz | -3.41 dBm | | | M2 | 1 | 1 | 2.4835 GHz | -35.40 dBm | | | M3 | 1 | 1 | 2.5 GHz | -47.27 dBm | | | M4 | 1 | 1 | 2.4845275 GHz | -30.65 dBm | | | | | | | | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | 1 | 2.457045 GHz | -3.41 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M2 | 1 | 1 | 2.4835 GHz | -35.40 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M3 | 1 | 1 | 2.5 GHz | -47.27 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M4 | 1 | 1 | 2.4845275 GHz | -30.65 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Test Item: | SE | Type: | 802.11b |
|---------------------------------|----|-------|---------|
| <p>CH01 Reference level</p> | | | |
| <p>CH01 30MHz~1000MHz</p> | | | |
| <p>CH01 1GHz~26GHz</p> | | | |

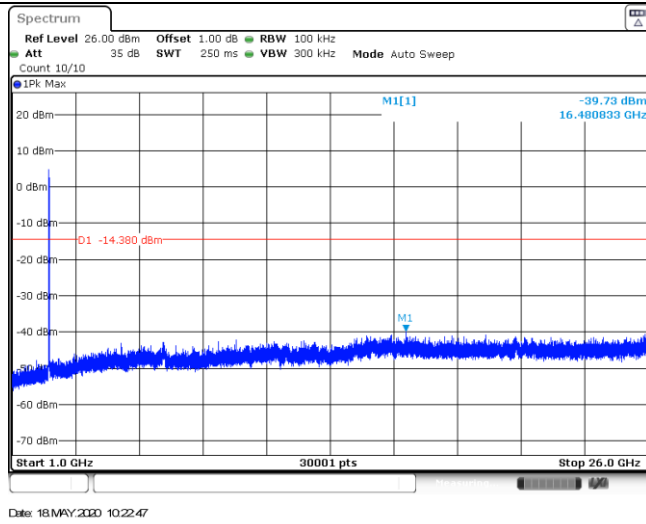
CH06
Reference level



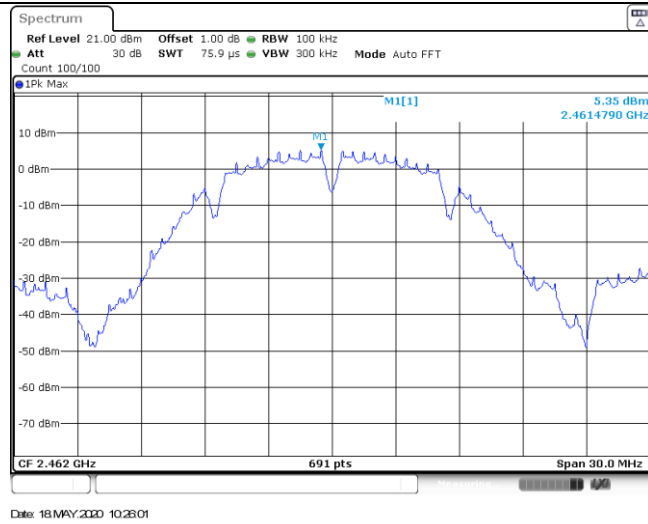
CH06
30MHz~1000MHz



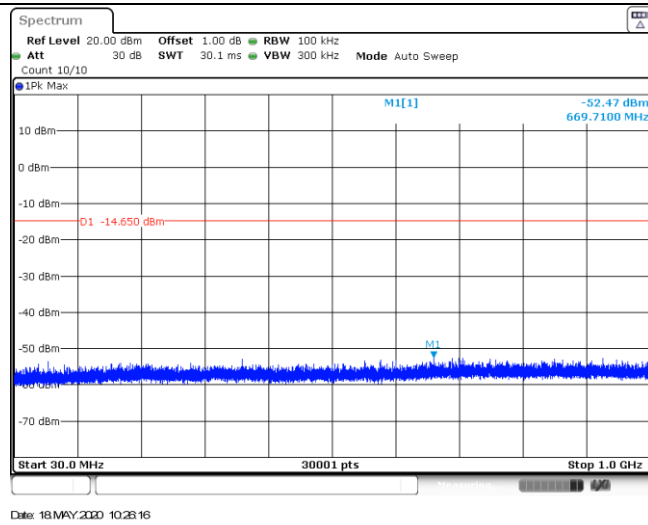
CH06
1GHz~26GHz



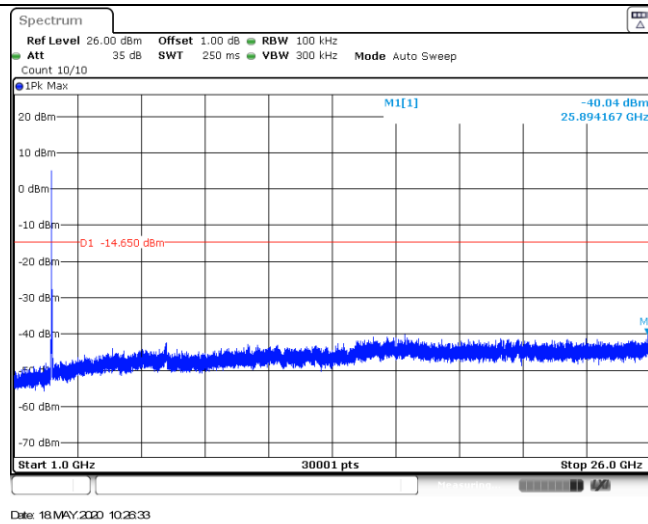
CH11
Reference level



CH11
30MHz~1000MHz



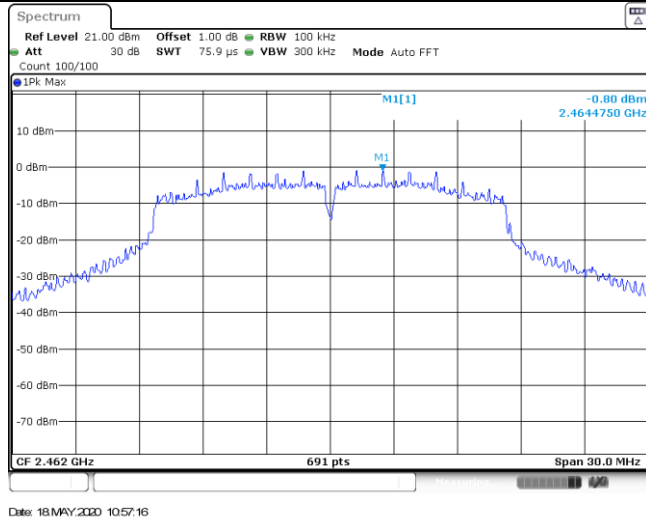
CH11
1GHz~26GHz



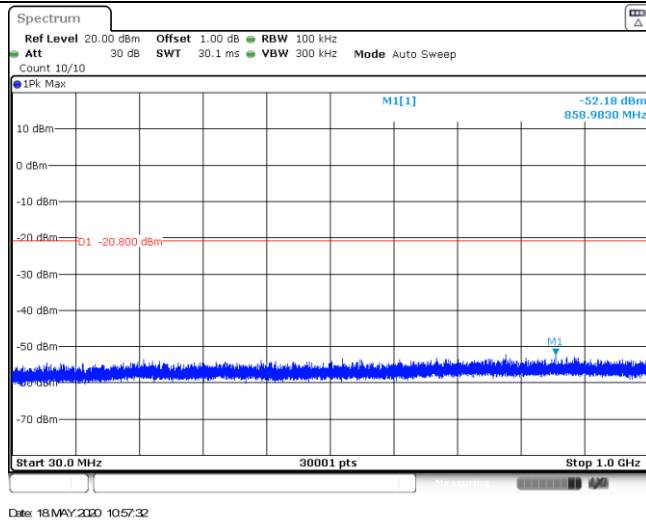
| Test Item: | SE | Type: | 802.11g |
|---------------------------------|----|-------|---------|
| <p>CH01 Reference level</p> | | | |
| <p>CH01 30MHz~1000MHz</p> | | | |
| <p>CH01 1GHz~26GHz</p> | | | |

| | |
|---------------------------------|--|
| <p>CH06 Reference level</p> | |
| <p>CH06 30MHz~1000MHz</p> | |
| <p>CH06 1GHz~26GHz</p> | |

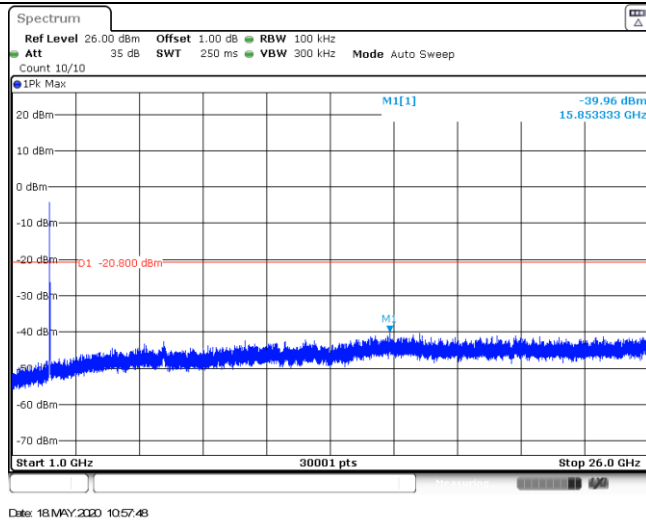
CH11
Reference level

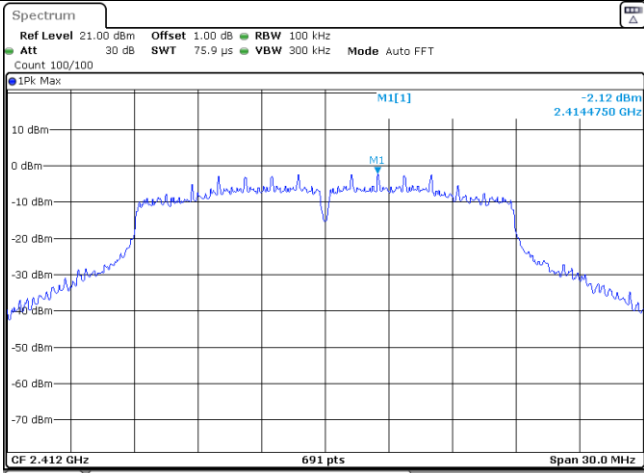
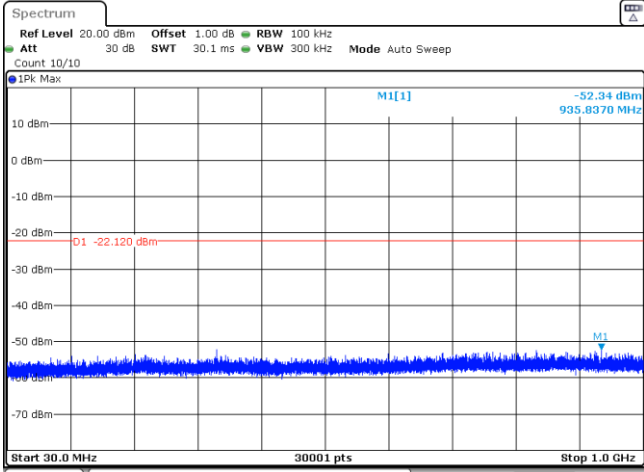
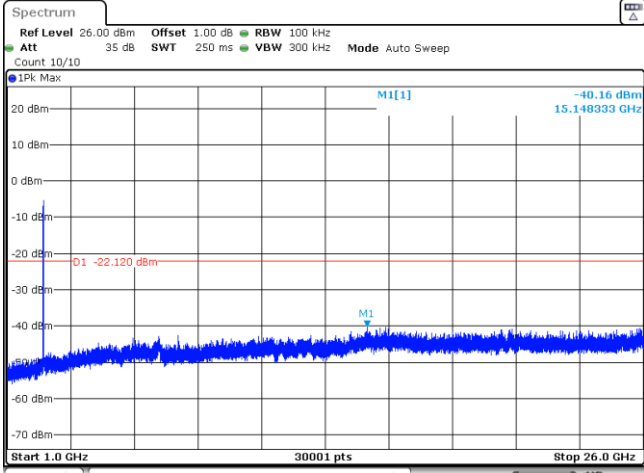


CH11
30MHz~1000MHz

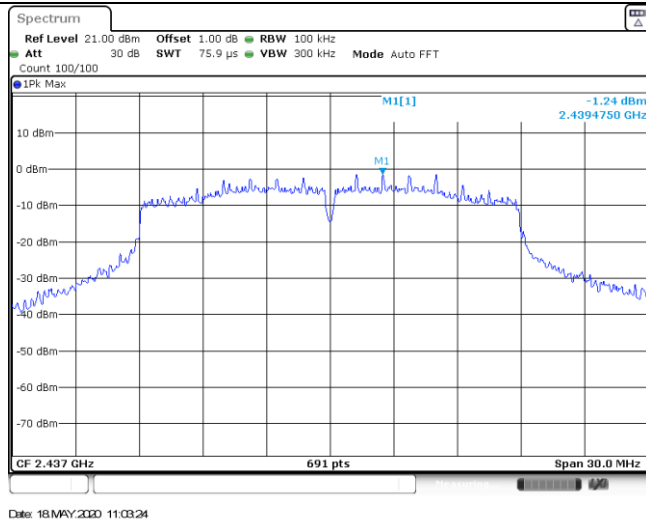


CH11
1GHz~26GHz

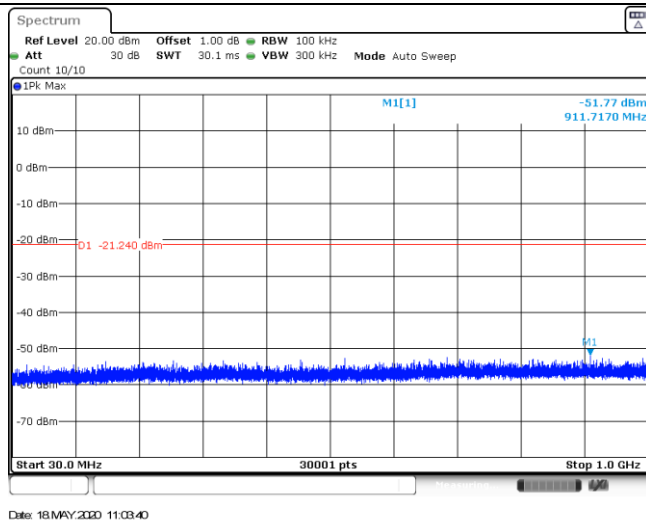


| Test Item: | SE | Type: | 802.11n(HT20) |
|---------------------------------|----|--|---------------|
| <p>CH01 Reference level</p> | |  | |
| <p>CH01 30MHz~1000MHz</p> | |  | |
| <p>CH01 1GHz~26GHz</p> | |  | |

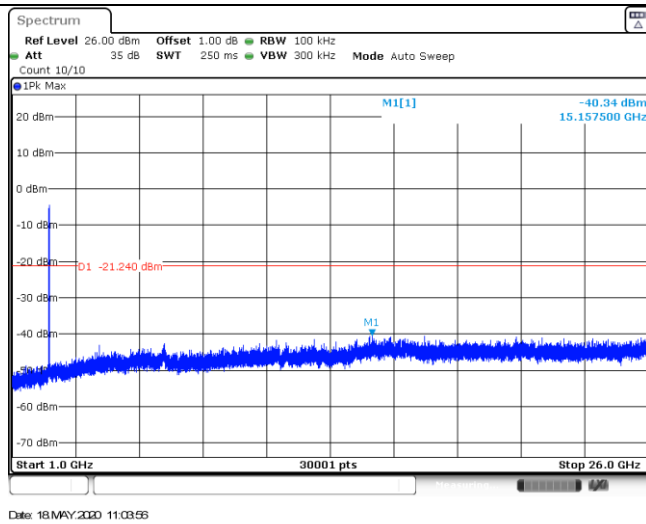
CH06
Reference level



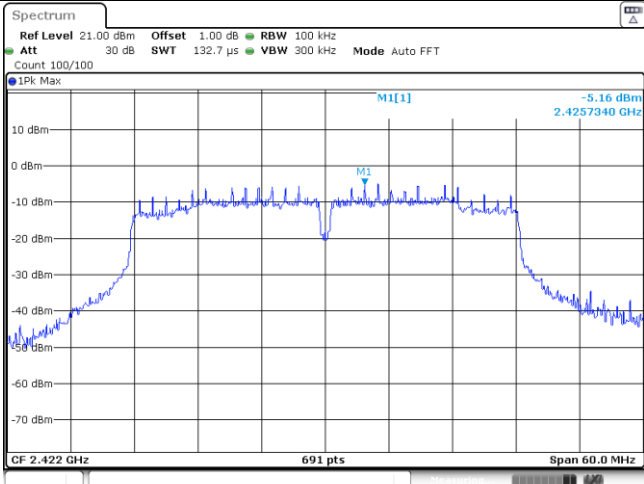
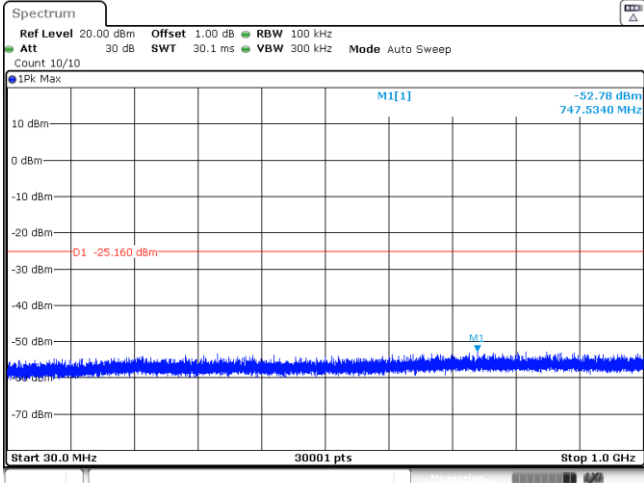
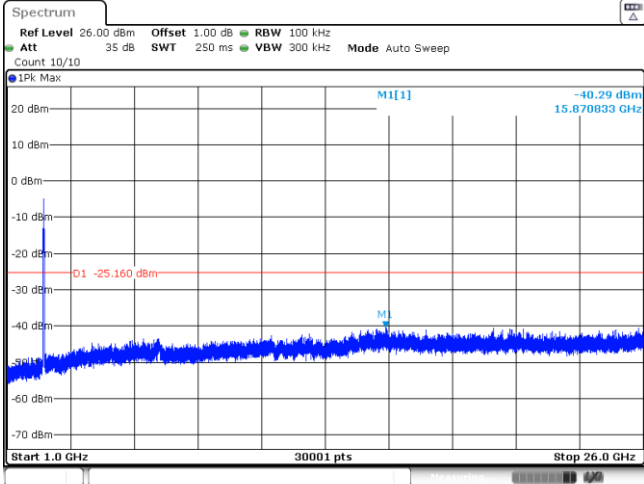
CH06
30MHz~1000MHz



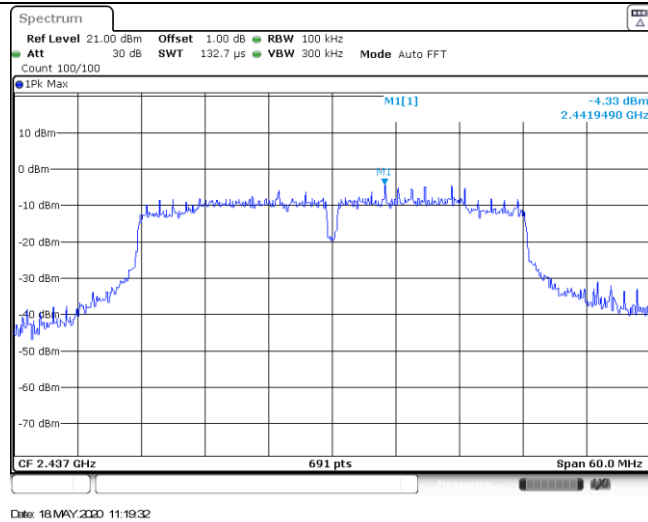
CH06
1GHz~26GHz



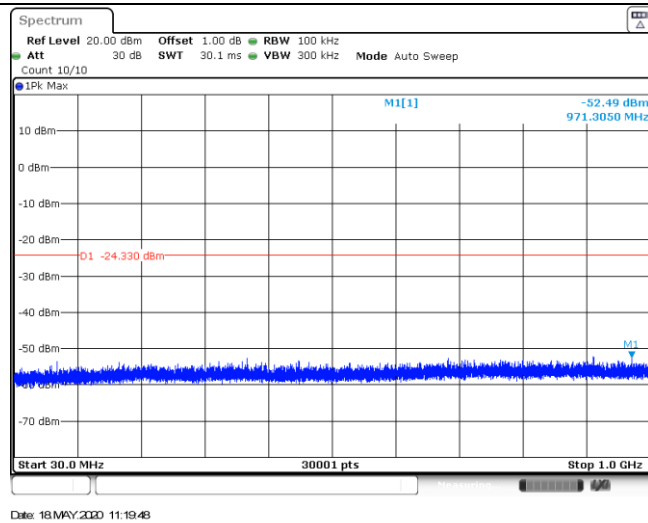
| | |
|---------------------------------|--|
| <p>CH11 Reference level</p> | <p>Spectrum Ref Level 21.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 100/100 IPK Max M1[1] -1.12 dBm 2.4606980 GHz M1 CF 2.462 GHz 691 pts Span 30.0 MHz Date: 18.MAY.2020 11:08:39</p> |
| <p>CH11 30MHz~1000MHz</p> | <p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPK Max M1[1] -52.40 dBm 791.5290 MHz M1 D1 -21.120 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 18.MAY.2020 11:08:55</p> |
| <p>CH11 1GHz~26GHz</p> | <p>Spectrum Ref Level 26.00 dBm Offset 1.00 dB RBW 100 kHz Att 35 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPK Max M1[1] -40.33 dBm 25.525000 GHz M1 D1 -21.120 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 18.MAY.2020 11:08:11</p> |

| Test Item: | SE | Type: | 802.11n(HT40) |
|---------------------------------|----|--|---------------|
| <p>CH03 Reference level</p> | |  | |
| <p>CH03 30MHz~1000MHz</p> | |  | |
| <p>CH03 1GHz~26GHz</p> | |  | |

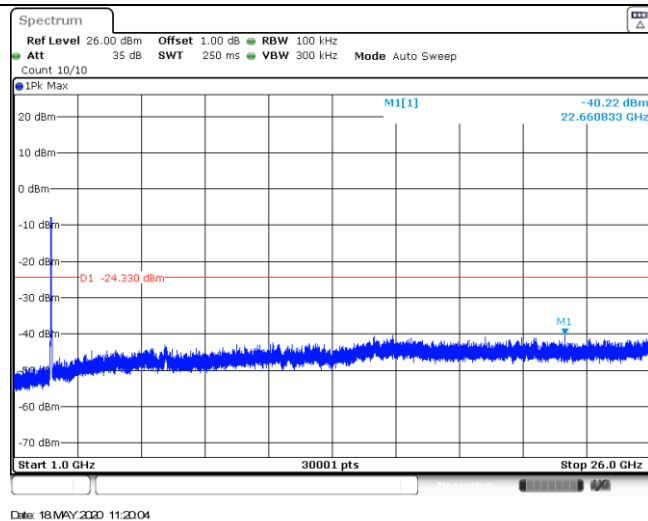
CH06
Reference level



CH06
30MHz~1000MHz



CH06
1GHz~26GHz



| | |
|---------------------------------|--|
| <p>CH09 Reference level</p> | |
| <p>CH09 30MHz~1000MHz</p> | |
| <p>CH09 1GHz~26GHz</p> | |

-----End of Report-----