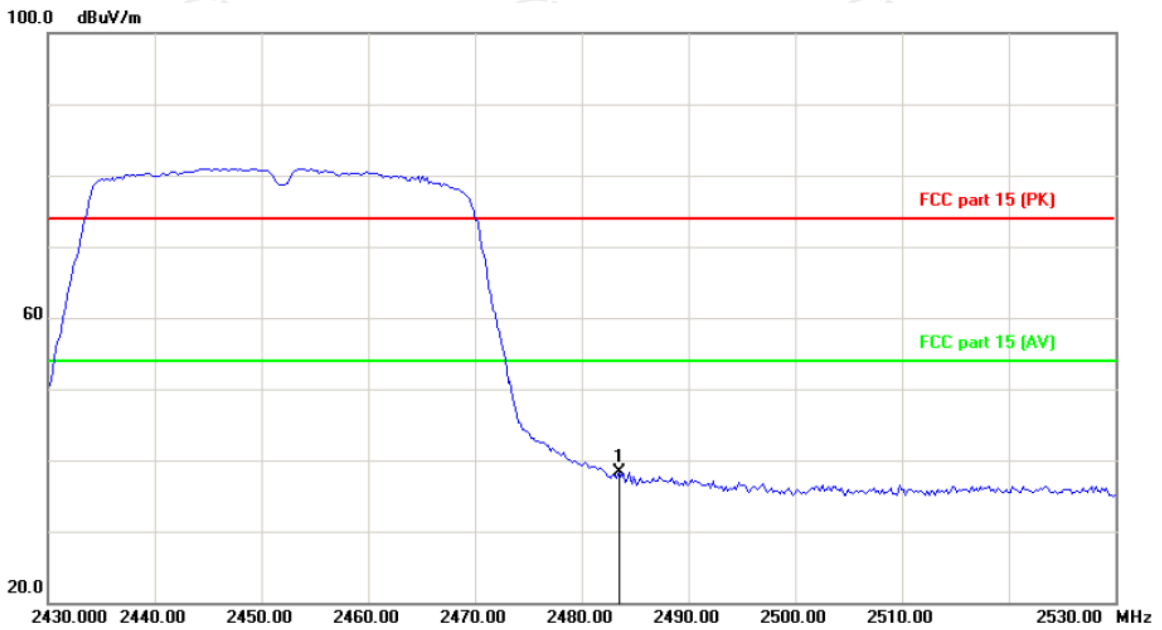


Vertical:



Site: Polarization: **Vertical** Temperature: 25  
Limit: FCC part 15 (PK) Power: Humidity: 55 %

| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dB/m | Over<br>dB | Detector |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|---------------|------------|----------|
| 1   | *   | 2483.500     | 51.04                    | -12.74                  | 38.30                      | 74.00         | -35.70     | peak     |

**Note:**

1. Peak Final Emission Level=Peak Reading + Correction Factor;
2. Correction Factor= Antenna Factor + Cable loss – Pre-amplifier
3. Measurements were conducted in all modulation(802.11b, 802.11g, 802.11n(HT20), 802.11n(HT40) ), and the worst case Mode (802.11n(HT40)) was submitted only.
4. 802.11n(HT40) is MIMO mode.

**Above 1GHz**

Modulation Type: 802.11b

Low channel: 2412 MHz

| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|-----------------|---------------|---------------------|-------------------|--------------------------|----------------|-------------|---------------------|-------------------|-------------|
|                 |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 4824            | H             | 47.23               | ---               | 0.75                     | 47.98          | ---         | 74                  | 54                | -6.02       |
| 7236            | H             | 36.54               | ---               | 9.87                     | 46.41          | ---         | 74                  | 54                | -7.59       |
| ---             | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 4824            | V             | 44.98               | ---               | 0.75                     | 45.73          | ---         | 74                  | 54                | -8.27       |
| 7236            | V             | 35.75               | ---               | 9.87                     | 45.62          | ---         | 74                  | 54                | -8.38       |
| ---             | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |

Middle channel: 2437MHz

| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|-----------------|---------------|---------------------|-------------------|--------------------------|----------------|-------------|---------------------|-------------------|-------------|
|                 |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 4874            | H             | 46.14               | ---               | 0.97                     | 47.11          | ---         | 74                  | 54                | -6.89       |
| 7311            | H             | 34.62               | ---               | 9.83                     | 44.45          | ---         | 74                  | 54                | -9.55       |
| ---             | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 4874            | V             | 48.02               | ---               | 0.97                     | 48.99          | ---         | 74                  | 54                | -5.01       |
| 7311            | V             | 37.45               | ---               | 9.83                     | 47.28          | ---         | 74                  | 54                | -6.72       |
| ---             | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |

High channel: 2462 MHz

| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|-----------------|---------------|---------------------|-------------------|--------------------------|----------------|-------------|---------------------|-------------------|-------------|
|                 |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 4924            | H             | 45.79               | ---               | 1.18                     | 46.97          | ---         | 74                  | 54                | -7.03       |
| 7386            | H             | 37.52               | ---               | 10.07                    | 47.59          | ---         | 74                  | 54                | -6.41       |
| ---             | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 4924            | V             | 47.34               | ---               | 1.18                     | 48.52          | ---         | 74                  | 54                | -5.48       |
| 7386            | V             | 38.15               | ---               | 10.07                    | 48.22          | ---         | 74                  | 54                | -5.78       |
| ---             | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |

**Note:**

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier
2. Margin (dB) = Emission Level (Peak) (dBμV/m)-Average limit (dBμV/m)
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
5. Data of measurement shown "—" in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.
6. 802.11b is SISO mode and the worst case Antenna (ANT0) was submitted only.

Modulation Type: 802.11g

Low channel: 2412 MHz

| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|-----------------|---------------|---------------------|-------------------|--------------------------|----------------|-------------|---------------------|-------------------|-------------|
|                 |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 4824            | H             | 45.63               | ---               | 0.75                     | 46.38          | ---         | 74                  | 54                | -7.62       |
| 7236            | H             | 34.27               | ---               | 9.87                     | 44.14          | ---         | 74                  | 54                | -9.86       |
| ---             | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 4824            | V             | 46.03               | ---               | 0.75                     | 46.78          | ---         | 74                  | 54                | -7.22       |
| 7236            | V             | 35.58               | ---               | 9.87                     | 45.45          | ---         | 74                  | 54                | -8.55       |
| ---             | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |

Middle channel: 2437MHz

| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|-----------------|---------------|---------------------|-------------------|--------------------------|----------------|-------------|---------------------|-------------------|-------------|
|                 |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 4874            | H             | 44.74               | ---               | 0.97                     | 45.71          | ---         | 74                  | 54                | -8.29       |
| 7311            | H             | 35.91               | ---               | 9.83                     | 45.74          | ---         | 74                  | 54                | -8.26       |
| ---             | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 4874            | V             | 47.68               | ---               | 0.97                     | 48.65          | ---         | 74                  | 54                | -5.35       |
| 7311            | V             | 38.12               | ---               | 9.83                     | 47.95          | ---         | 74                  | 54                | -6.05       |
| ---             | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |

High channel: 2462 MHz

| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|-----------------|---------------|---------------------|-------------------|--------------------------|----------------|-------------|---------------------|-------------------|-------------|
|                 |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 4924            | H             | 43.59               | ---               | 1.18                     | 44.77          | ---         | 74                  | 54                | -9.23       |
| 7386            | H             | 34.37               | ---               | 10.07                    | 44.44          | ---         | 74                  | 54                | -9.56       |
| ---             | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 4924            | V             | 42.89               | ---               | 1.18                     | 44.07          | ---         | 74                  | 54                | -9.93       |
| 7386            | V             | 36.14               | ---               | 10.07                    | 46.21          | ---         | 74                  | 54                | -7.79       |
| ---             | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |

**Note:**

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier
2. Margin (dB) = Emission Level (Peak) (dBμV/m)-Average limit (dBμV/m)
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
5. Data of measurement shown “---“in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.
6. 802.11g is SISO mode and the worst case Antenna (ANT0) was submitted only.

Modulation Type: 802.11n (HT20)

Low channel: 2412 MHz

| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|-----------------|---------------|---------------------|-------------------|--------------------------|----------------|-------------|---------------------|-------------------|-------------|
|                 |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 4824            | H             | 44.87               | ---               | 0.75                     | 45.62          | ---         | 74                  | 54                | -8.38       |
| 7236            | H             | 35.52               | ---               | 9.87                     | 45.39          | ---         | 74                  | 54                | -8.61       |
| ---             | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 4824            | V             | 44.69               | ---               | 0.75                     | 45.44          | ---         | 74                  | 54                | -8.56       |
| 7236            | V             | 34.85               | ---               | 9.87                     | 44.72          | ---         | 74                  | 54                | -9.28       |
| ---             | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |

Middle channel: 2437MHz

| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|-----------------|---------------|---------------------|-------------------|--------------------------|----------------|-------------|---------------------|-------------------|-------------|
|                 |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 4874            | H             | 46.24               | ---               | 0.97                     | 47.21          | ---         | 74                  | 54                | -6.79       |
| 7311            | H             | 35.72               | ---               | 9.83                     | 45.55          | ---         | 74                  | 54                | -8.45       |
| ---             | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 4874            | V             | 45.34               | ---               | 0.97                     | 46.31          | ---         | 74                  | 54                | -7.69       |
| 7311            | V             | 36.28               | ---               | 9.83                     | 46.11          | ---         | 74                  | 54                | -7.89       |
| ---             | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |

High channel: 2462 MHz

| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBμV) | AV reading (dBμV) | Correction Factor (dB/m) | Emission Level |             | Peak limit (dBμV/m) | AV limit (dBμV/m) | Margin (dB) |
|-----------------|---------------|---------------------|-------------------|--------------------------|----------------|-------------|---------------------|-------------------|-------------|
|                 |               |                     |                   |                          | Peak (dBμV/m)  | AV (dBμV/m) |                     |                   |             |
| 4924            | H             | 43.97               | ---               | 1.18                     | 45.15          | ---         | 74                  | 54                | -8.85       |
| 7386            | H             | 34.45               | ---               | 10.07                    | 44.52          | ---         | 74                  | 54                | -9.48       |
| ---             | H             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |
| 4924            | V             | 45.15               | ---               | 1.18                     | 46.33          | ---         | 74                  | 54                | -7.67       |
| 7386            | V             | 36.02               | ---               | 10.07                    | 46.09          | ---         | 74                  | 54                | -7.91       |
| ---             | V             | ---                 | ---               | ---                      | ---            | ---         | ---                 | ---               | ---         |

**Note:**

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier
2. Margin (dB) = Emission Level (Peak) (dBμV/m)-Average limit (dBμV/m)
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
5. Data of measurement shown "---" in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.
6. 802.11n(HT20) is MIMO mode.

Modulation Type: 802.11n (HT40)

Low channel: 2422 MHz

| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dB $\mu$ V) | AV reading (dB $\mu$ V) | Correction Factor (dB/m) | Emission Level      |                   | Peak limit (dB $\mu$ V/m) | AV limit (dB $\mu$ V/m) | Margin (dB) |
|-----------------|---------------|---------------------------|-------------------------|--------------------------|---------------------|-------------------|---------------------------|-------------------------|-------------|
|                 |               |                           |                         |                          | Peak (dB $\mu$ V/m) | AV (dB $\mu$ V/m) |                           |                         |             |
| 4844            | H             | 42.56                     | ---                     | 0.75                     | 43.31               | ---               | 74                        | 54                      | -10.69      |
| 7266            | H             | 33.71                     | ---                     | 9.87                     | 43.58               | ---               | 74                        | 54                      | -10.42      |
| ---             | H             | ---                       | ---                     | ---                      | ---                 | ---               | ---                       | ---                     | ---         |
| 4824            | V             | 43.98                     | ---                     | 0.75                     | 44.73               | ---               | 74                        | 54                      | -9.27       |
| 7236            | V             | 34.67                     | ---                     | 9.87                     | 44.54               | ---               | 74                        | 54                      | -9.46       |
| ---             | V             | ---                       | ---                     | ---                      | ---                 | ---               | ---                       | ---                     | ---         |

Middle channel: 2437MHz

| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dB $\mu$ V) | AV reading (dB $\mu$ V) | Correction Factor (dB/m) | Emission Level      |                   | Peak limit (dB $\mu$ V/m) | AV limit (dB $\mu$ V/m) | Margin (dB) |
|-----------------|---------------|---------------------------|-------------------------|--------------------------|---------------------|-------------------|---------------------------|-------------------------|-------------|
|                 |               |                           |                         |                          | Peak (dB $\mu$ V/m) | AV (dB $\mu$ V/m) |                           |                         |             |
| 4874            | H             | 43.85                     | ---                     | 0.97                     | 44.82               | ---               | 74                        | 54                      | -9.18       |
| 7311            | H             | 33.49                     | ---                     | 9.83                     | 43.32               | ---               | 74                        | 54                      | -10.68      |
| ---             | H             | ---                       | ---                     | ---                      | ---                 | ---               | ---                       | ---                     | ---         |
| 4874            | V             | 44.35                     | ---                     | 0.97                     | 45.32               | ---               | 74                        | 54                      | -8.68       |
| 7311            | V             | 35.18                     | ---                     | 9.83                     | 45.01               | ---               | 74                        | 54                      | -8.99       |
| ---             | V             | ---                       | ---                     | ---                      | ---                 | ---               | ---                       | ---                     | ---         |

High channel: 2452 MHz

| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dB $\mu$ V) | AV reading (dB $\mu$ V) | Correction Factor (dB/m) | Emission Level      |                   | Peak limit (dB $\mu$ V/m) | AV limit (dB $\mu$ V/m) | Margin (dB) |
|-----------------|---------------|---------------------------|-------------------------|--------------------------|---------------------|-------------------|---------------------------|-------------------------|-------------|
|                 |               |                           |                         |                          | Peak (dB $\mu$ V/m) | AV (dB $\mu$ V/m) |                           |                         |             |
| 4904            | H             | 43.74                     | ---                     | 1.18                     | 44.92               | ---               | 74                        | 54                      | -9.08       |
| 7356            | H             | 33.46                     | ---                     | 10.07                    | 43.53               | ---               | 74                        | 54                      | -10.47      |
| ---             | H             | ---                       | ---                     | ---                      | ---                 | ---               | ---                       | ---                     | ---         |
| 4904            | V             | 45.06                     | ---                     | 1.18                     | 46.24               | ---               | 74                        | 54                      | -7.76       |
| 7356            | V             | 36.28                     | ---                     | 10.07                    | 46.35               | ---               | 74                        | 54                      | -7.65       |
| ---             | V             | ---                       | ---                     | ---                      | ---                 | ---               | ---                       | ---                     | ---         |

**Note:**

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier
2. Margin (dB) = Emission Level (Peak) (dB $\mu$ V/m)-Average limit (dB $\mu$ V/m)
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
5. Data of measurement shown “---“in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.
6. 802.11n(HT40) is MIMO mode.

**Appendix A: Test Result of Conducted Test**

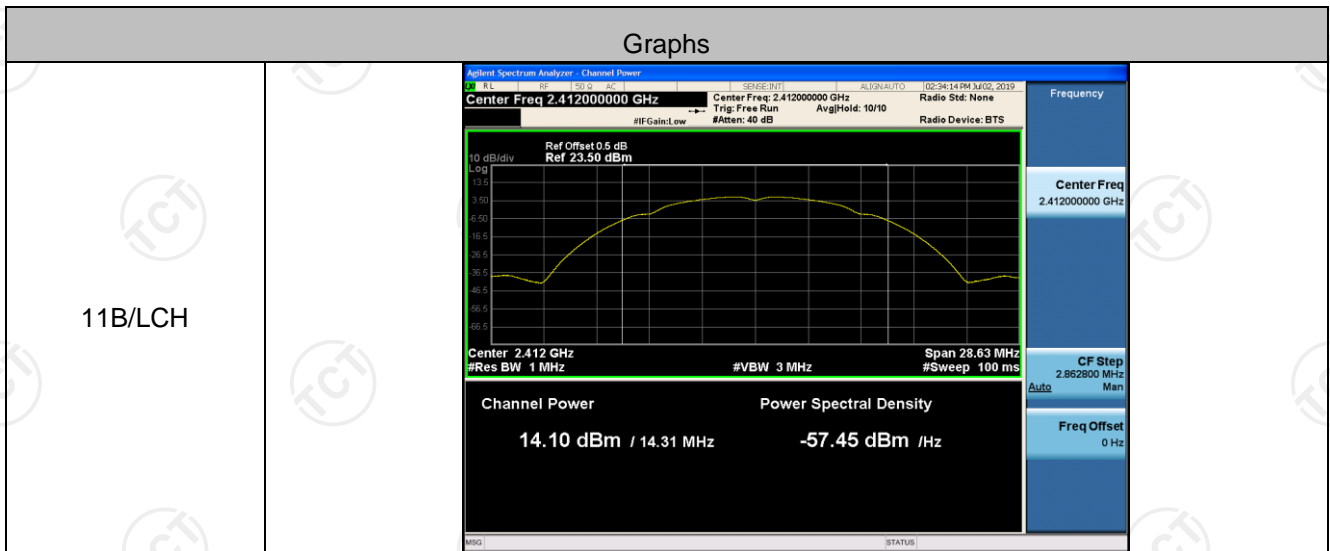
**Antenna 0**

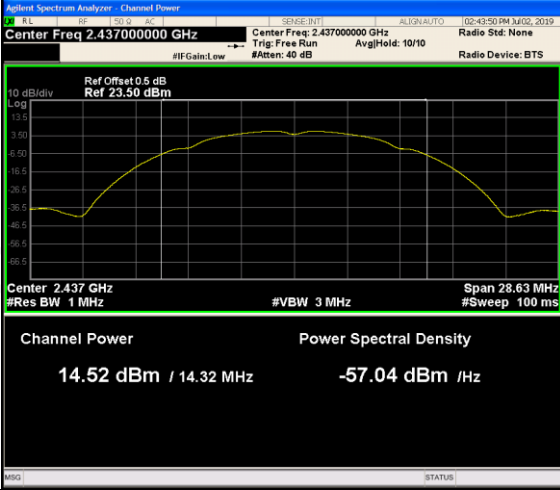
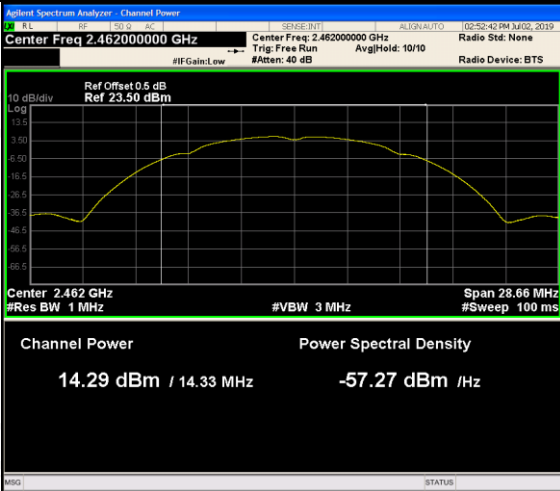
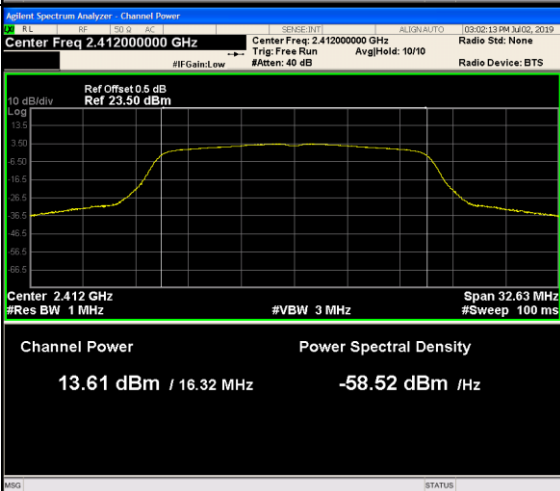
**Conducted Average Output Power**

**Result Table**

| Mode      | Channel | Meas.Level [dBm] | Verdict |
|-----------|---------|------------------|---------|
| 11B       | LCH     | 14.10            | PASS    |
| 11B       | MCH     | 14.52            | PASS    |
| 11B       | HCH     | 14.29            | PASS    |
| 11G       | LCH     | 13.61            | PASS    |
| 11G       | MCH     | 13.74            | PASS    |
| 11G       | HCH     | 13.73            | PASS    |
| 11N20SISO | LCH     | 11.44            | PASS    |
| 11N20SISO | MCH     | 11.76            | PASS    |
| 11N20SISO | HCH     | 11.72            | PASS    |
| 11N40SISO | LCH     | 11.36            | PASS    |
| 11N40SISO | MCH     | 11.53            | PASS    |
| 11N40SISO | HCH     | 11.51            | PASS    |

**Test Graph**



|         |  |  |
|---------|--|--|
| 11B/MCH |  <p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq: 2.437000000 GHz</p> <p>Channel Power: 14.52 dBm / 14.32 MHz</p> <p>Power Spectral Density: -57.04 dBm / Hz</p>   | <p>Frequency</p> <p>Center Freq: 2.437000000 GHz</p> <p>CF Step: 2.863000 MHz</p> <p>Freq Offset: 0 Hz</p> |
| 11B/HCH |  <p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq: 2.462000000 GHz</p> <p>Channel Power: 14.29 dBm / 14.33 MHz</p> <p>Power Spectral Density: -57.27 dBm / Hz</p>  | <p>Frequency</p> <p>Center Freq: 2.462000000 GHz</p> <p>CF Step: 2.866800 MHz</p> <p>Freq Offset: 0 Hz</p> |
| 11G/LCH |  <p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq: 2.412000000 GHz</p> <p>Channel Power: 13.61 dBm / 16.32 MHz</p> <p>Power Spectral Density: -58.52 dBm / Hz</p> | <p>Frequency</p> <p>Center Freq: 2.412000000 GHz</p> <p>CF Step: 3.263400 MHz</p> <p>Freq Offset: 0 Hz</p> |

|                      |   |   |
|----------------------|---|---|
| <p>11G/MCH</p>       | <p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq: 2.437000000 GHz</p> <p>Channel Power: 13.74 dBm / 16.32 MHz</p> <p>Power Spectral Density: -58.39 dBm / Hz</p> | <p>Frequency</p> <p>Center Freq<br/>2.437000000 GHz</p> <p>CF Step<br/>3.263400 MHz</p> <p>Freq Offset<br/>0 Hz</p> |
| <p>11G/HCH</p>       | <p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq: 2.462000000 GHz</p> <p>Channel Power: 13.73 dBm / 16.32 MHz</p> <p>Power Spectral Density: -58.40 dBm / Hz</p> | <p>Frequency</p> <p>Center Freq<br/>2.462000000 GHz</p> <p>CF Step<br/>3.263600 MHz</p> <p>Freq Offset<br/>0 Hz</p> |
| <p>11N20SISO/LCH</p> | <p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq: 2.412000000 GHz</p> <p>Channel Power: 11.44 dBm / 17.49 MHz</p> <p>Power Spectral Density: -60.98 dBm / Hz</p> | <p>Frequency</p> <p>Center Freq<br/>2.412000000 GHz</p> <p>CF Step<br/>3.497000 MHz</p> <p>Freq Offset<br/>0 Hz</p> |



|                      |   |   |
|----------------------|---|---|
| <p>11N20SISO/MCH</p> | <p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.437000000 GHz</p> <p>Channel Power: 11.76 dBm / 17.48 MHz</p> <p>Power Spectral Density: -60.66 dBm /Hz</p> | <p>Frequency</p> <p>Center Freq<br/>2.437000000 GHz</p> <p>CF Step<br/>3.496400 MHz</p> <p>Freq Offset<br/>0 Hz</p> |
| <p>11N20SISO/HCH</p> | <p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.462000000 GHz</p> <p>Channel Power: 11.72 dBm / 17.48 MHz</p> <p>Power Spectral Density: -60.70 dBm /Hz</p> | <p>Frequency</p> <p>Center Freq<br/>2.462000000 GHz</p> <p>CF Step<br/>3.496400 MHz</p> <p>Freq Offset<br/>0 Hz</p> |
| <p>11N40SISO/LCH</p> | <p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.422000000 GHz</p> <p>Channel Power: 11.36 dBm / 35.7 MHz</p> <p>Power Spectral Density: -64.17 dBm /Hz</p>  | <p>Frequency</p> <p>Center Freq<br/>2.422000000 GHz</p> <p>CF Step<br/>7.140800 MHz</p> <p>Freq Offset<br/>0 Hz</p> |

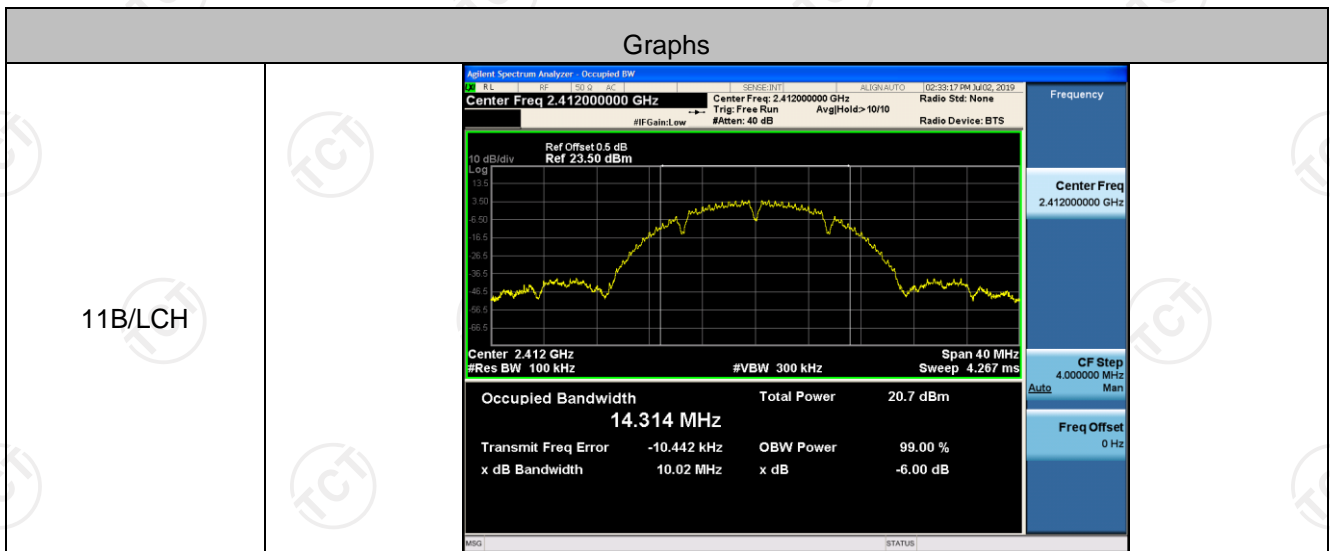
|                      |   |
|----------------------|---|
| <p>11N40SISO/MCH</p> | <p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.437000000 GHz</p> <p>Channel Power: 11.53 dBm / 35.71 MHz</p> <p>Power Spectral Density: -64.00 dBm / Hz</p> <p>Center Freq: 2.437 GHz</p> <p>Span: 71.42 MHz</p> <p>Res BW: 1 MHz</p> <p>VBW: 3 MHz</p> <p>Sweep: 100 ms</p> |
| <p>11N40SISO/HCH</p> | <p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.452000000 GHz</p> <p>Channel Power: 11.51 dBm / 35.72 MHz</p> <p>Power Spectral Density: -64.02 dBm / Hz</p> <p>Center Freq: 2.452 GHz</p> <p>Span: 71.43 MHz</p> <p>Res BW: 1 MHz</p> <p>VBW: 3 MHz</p> <p>Sweep: 100 ms</p> |

## 6dB Occupied Bandwidth

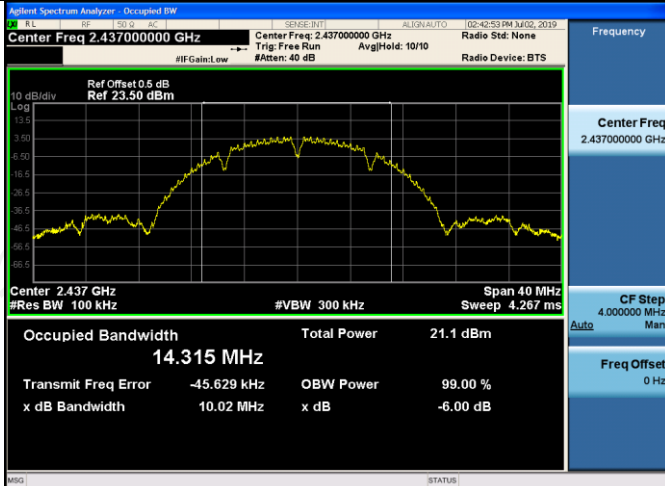
### Result Table

| Mode      | Channel | 6dB Bandwidth [MHz] | 99% OBW [MHz] | Verdict |
|-----------|---------|---------------------|---------------|---------|
| 11B       | LCH     | 10.02               | 14.314        | PASS    |
| 11B       | MCH     | 10.02               | 14.315        | PASS    |
| 11B       | HCH     | 9.565               | 14.329        | PASS    |
| 11G       | LCH     | 15.08               | 16.317        | PASS    |
| 11G       | MCH     | 15.11               | 16.317        | PASS    |
| 11G       | HCH     | 15.12               | 16.318        | PASS    |
| 11N20SISO | LCH     | 15.10               | 17.485        | PASS    |
| 11N20SISO | MCH     | 15.09               | 17.482        | PASS    |
| 11N20SISO | HCH     | 15.10               | 17.482        | PASS    |
| 11N40SISO | LCH     | 35.07               | 35.704        | PASS    |
| 11N40SISO | MCH     | 35.06               | 35.708        | PASS    |
| 11N40SISO | HCH     | 33.85               | 35.717        | PASS    |

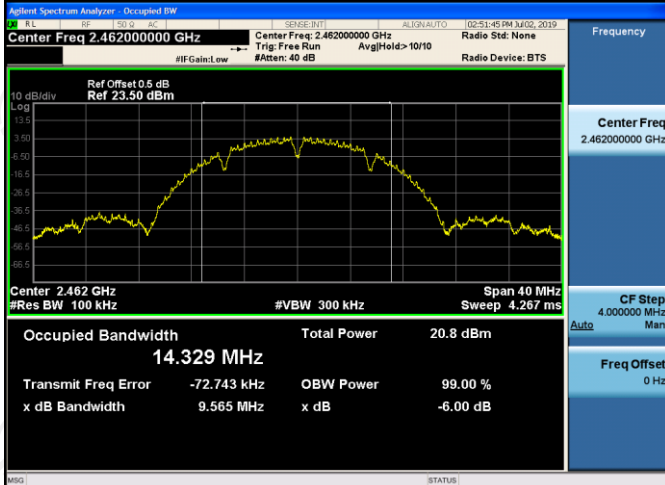
### Test Graph



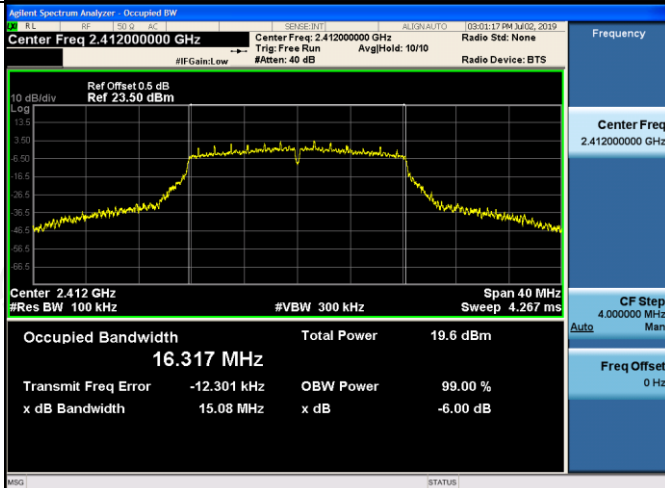
11B/MCH



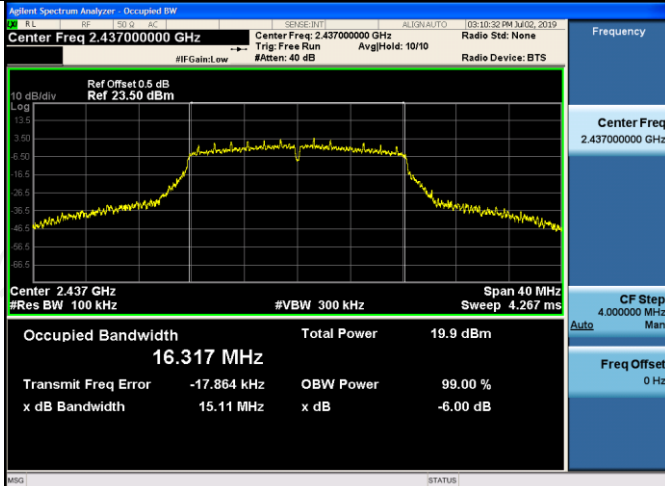
11B/HCH



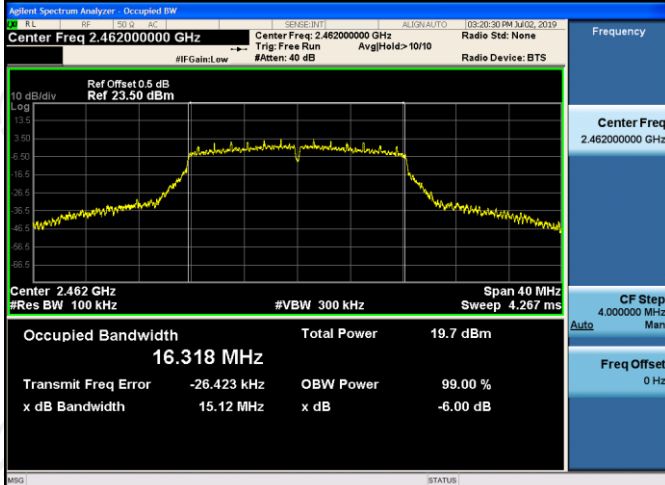
11G/LCH



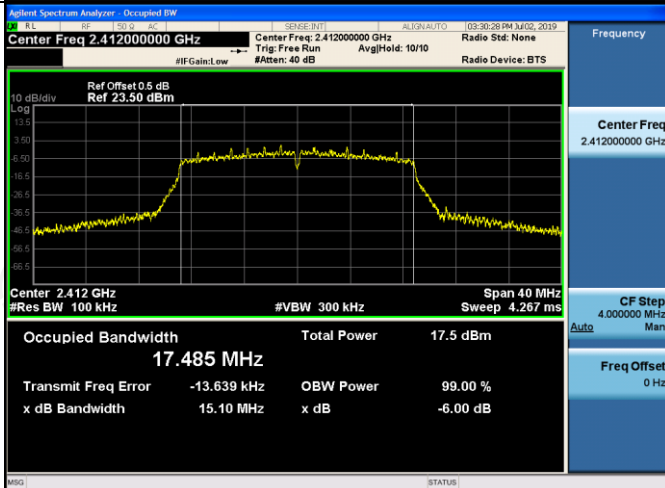
11G/MCH



11G/HCH



11N20SISO/LCH



|                      |  |
|----------------------|--|
| <p>11N20SISO/MCH</p> | <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.437000000 GHz</p> <p>Occupied Bandwidth: 17.482 MHz</p> <p>Total Power: 17.8 dBm</p> <p>Transmit Freq Error: -19.122 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 15.09 MHz</p> <p>x dB: -6.00 dB</p> |
| <p>11N20SISO/HCH</p> | <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.462000000 GHz</p> <p>Occupied Bandwidth: 17.482 MHz</p> <p>Total Power: 17.9 dBm</p> <p>Transmit Freq Error: -25.423 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 15.10 MHz</p> <p>x dB: -6.00 dB</p> |
| <p>11N40SISO/LCH</p> | <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.422000000 GHz</p> <p>Occupied Bandwidth: 35.704 MHz</p> <p>Total Power: 17.5 dBm</p> <p>Transmit Freq Error: -25.385 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 35.07 MHz</p> <p>x dB: -6.00 dB</p> |

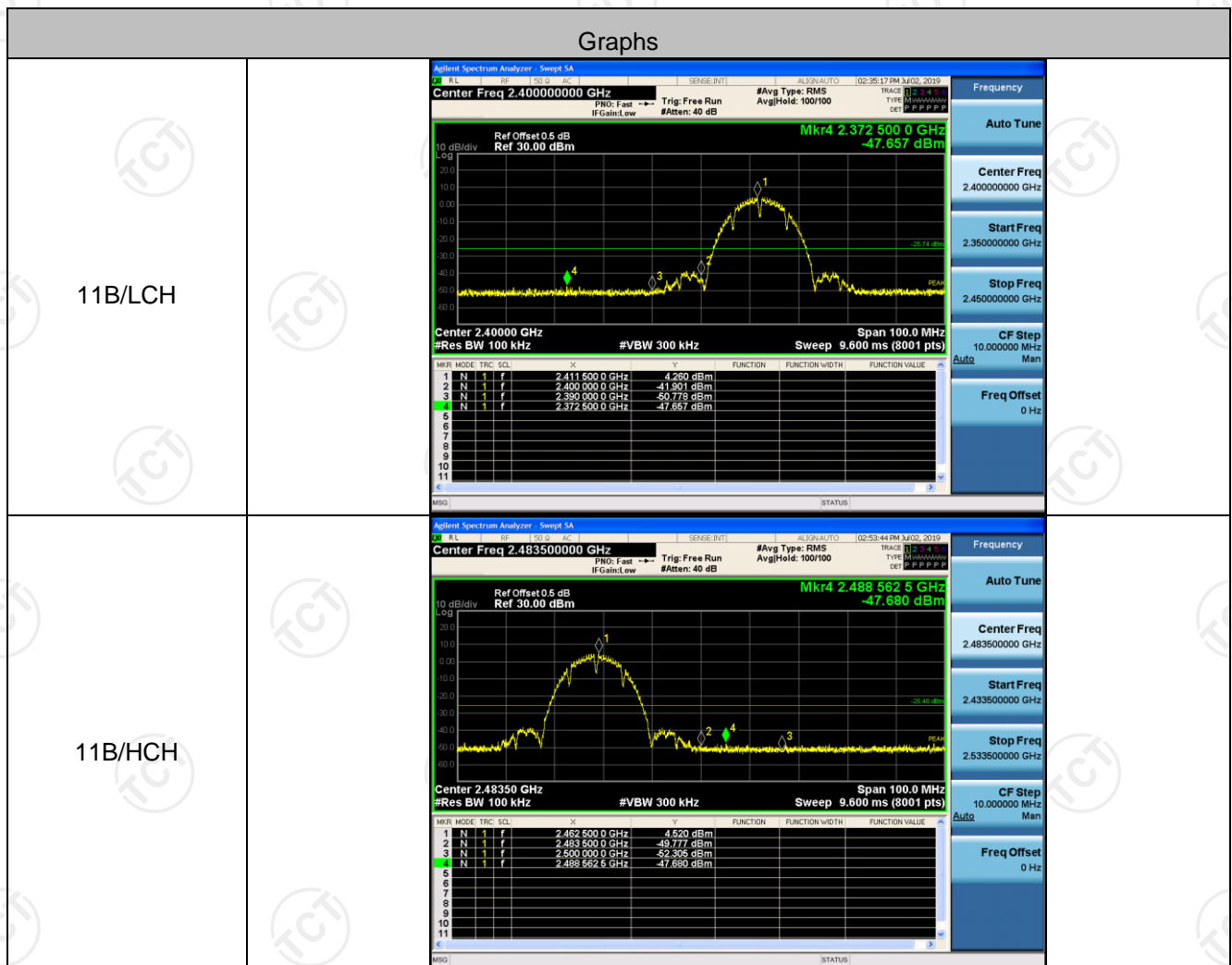
|                      |  |                    |             |          |                   |  |  |                     |           |         |             |      |          |                |  |  |           |  |  |
|----------------------|--|--------------------|-------------|----------|-------------------|--|--|---------------------|-----------|---------|-------------|------|----------|----------------|--|--|-----------|--|--|
| <p>11N40SISO/MCH</p> | <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.437000000 GHz</p> <p>Center Freq: 2.437000000 GHz</p> <p>Trig: Free Run Avg/Hold: 10/10</p> <p>#IFGain: Low #Atten: 40 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 0.5 dB Ref 23.50 dBm</p> <p>10 dB/div Log</p> <p>Center 2.437 GHz Span 80 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 8 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>17.7 dBm</td> </tr> <tr> <td><b>35.708 MHz</b></td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-48.537 kHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>35.06 MHz</td> <td></td> <td></td> </tr> </table> <p>Frequency: 2.437000000 GHz</p> <p>CF Step: 8.000000 MHz</p> <p>Freq Offset: 0 Hz</p> | Occupied Bandwidth | Total Power | 17.7 dBm | <b>35.708 MHz</b> |  |  | Transmit Freq Error | OBW Power | 99.00 % | -48.537 kHz | x dB | -6.00 dB | x dB Bandwidth |  |  | 35.06 MHz |  |  |
| Occupied Bandwidth   | Total Power  | 17.7 dBm           |             |          |                   |  |  |                     |           |         |             |      |          |                |  |  |           |  |  |
| <b>35.708 MHz</b>    |  |                    |             |          |                   |  |  |                     |           |         |             |      |          |                |  |  |           |  |  |
| Transmit Freq Error  | OBW Power  | 99.00 %            |             |          |                   |  |  |                     |           |         |             |      |          |                |  |  |           |  |  |
| -48.537 kHz          | x dB   | -6.00 dB           |             |          |                   |  |  |                     |           |         |             |      |          |                |  |  |           |  |  |
| x dB Bandwidth       |  |                    |             |          |                   |  |  |                     |           |         |             |      |          |                |  |  |           |  |  |
| 35.06 MHz            |  |                    |             |          |                   |  |  |                     |           |         |             |      |          |                |  |  |           |  |  |
| <p>11N40SISO/HCH</p> | <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.452000000 GHz</p> <p>Center Freq: 2.452000000 GHz</p> <p>Trig: Free Run Avg/Hold: 10/10</p> <p>#IFGain: Low #Atten: 40 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>Ref Offset 0.5 dB Ref 23.50 dBm</p> <p>10 dB/div Log</p> <p>Center 2.452 GHz Span 80 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 8 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>17.7 dBm</td> </tr> <tr> <td><b>35.717 MHz</b></td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-67.467 kHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>33.85 MHz</td> <td></td> <td></td> </tr> </table> <p>Frequency: 2.452000000 GHz</p> <p>CF Step: 8.000000 MHz</p> <p>Freq Offset: 0 Hz</p> | Occupied Bandwidth | Total Power | 17.7 dBm | <b>35.717 MHz</b> |  |  | Transmit Freq Error | OBW Power | 99.00 % | -67.467 kHz | x dB | -6.00 dB | x dB Bandwidth |  |  | 33.85 MHz |  |  |
| Occupied Bandwidth   | Total Power  | 17.7 dBm           |             |          |                   |  |  |                     |           |         |             |      |          |                |  |  |           |  |  |
| <b>35.717 MHz</b>    |  |                    |             |          |                   |  |  |                     |           |         |             |      |          |                |  |  |           |  |  |
| Transmit Freq Error  | OBW Power  | 99.00 %            |             |          |                   |  |  |                     |           |         |             |      |          |                |  |  |           |  |  |
| -67.467 kHz          | x dB   | -6.00 dB           |             |          |                   |  |  |                     |           |         |             |      |          |                |  |  |           |  |  |
| x dB Bandwidth       |  |                    |             |          |                   |  |  |                     |           |         |             |      |          |                |  |  |           |  |  |
| 33.85 MHz            |  |                    |             |          |                   |  |  |                     |           |         |             |      |          |                |  |  |           |  |  |

## Band-edge for RF Conducted Emissions

### Result Table

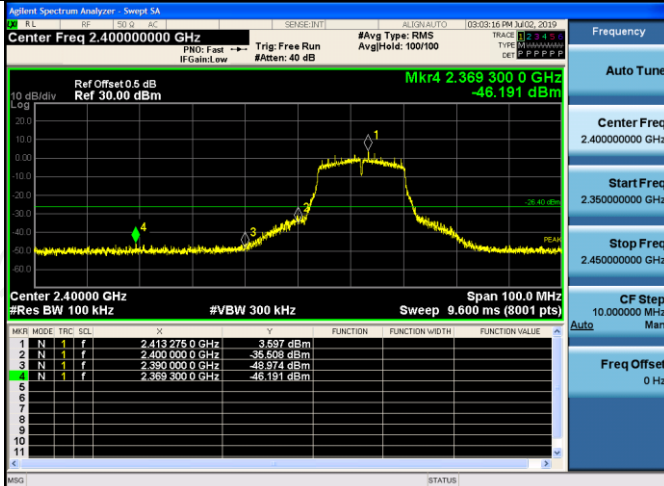
| Mode      | Channel | Carrier Power [dBm] | Max.Spurious Level [dBm] | Limit [dBm] | Verdict |
|-----------|---------|---------------------|--------------------------|-------------|---------|
| 11B       | LCH     | 4.260               | -47.657                  | -25.74      | PASS    |
| 11B       | HCH     | 4.520               | -47.680                  | -25.48      | PASS    |
| 11G       | LCH     | 3.597               | -46.191                  | -26.40      | PASS    |
| 11G       | HCH     | 2.405               | -46.470                  | -27.60      | PASS    |
| 11N20SISO | LCH     | 1.151               | -46.608                  | -28.85      | PASS    |
| 11N20SISO | HCH     | 1.872               | -46.801                  | -28.13      | PASS    |
| 11N40SISO | LCH     | -1.943              | -43.587                  | -31.94      | PASS    |
| 11N40SISO | HCH     | -1.887              | -45.319                  | -31.89      | PASS    |

### Test Graph

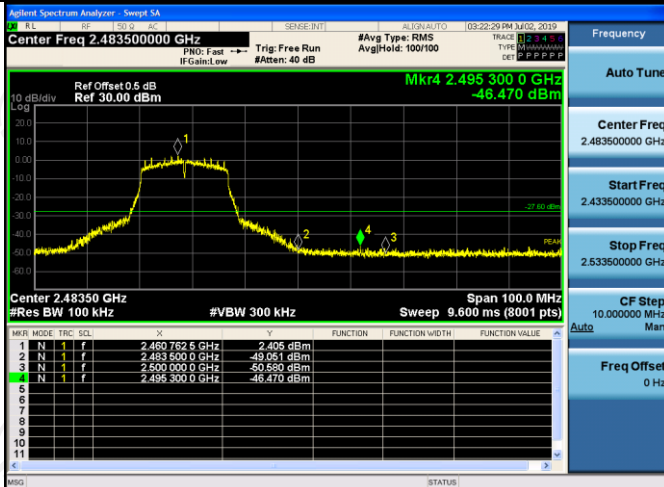




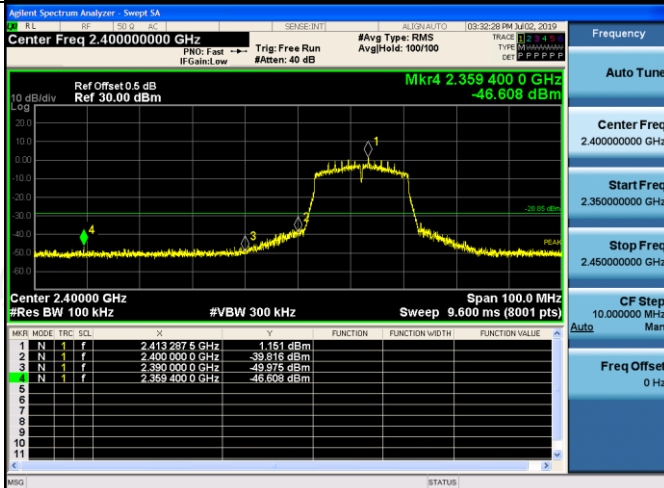
11G/LCH



11G/HCH



11N20SISO/LCH



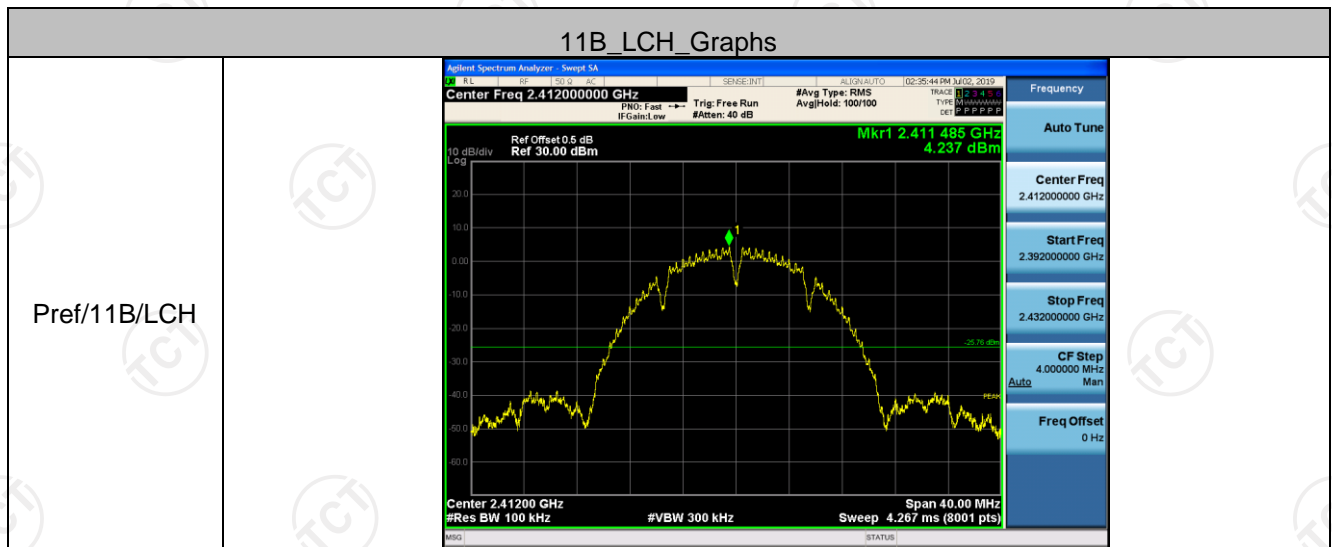
|                      |  |  |
|----------------------|--|--|
| <p>11N20SISO/HCH</p> |  | <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq<br/>2.483500000 GHz</p> <p>Start Freq<br/>2.433500000 GHz</p> <p>Stop Freq<br/>2.533500000 GHz</p> <p>CF Step<br/>10.000000 MHz</p> <p>Freq Offset<br/>0 Hz</p> |
| <p>11N40SISO/LCH</p> |  | <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq<br/>2.400000000 GHz</p> <p>Start Freq<br/>2.350000000 GHz</p> <p>Stop Freq<br/>2.450000000 GHz</p> <p>CF Step<br/>10.000000 MHz</p> <p>Freq Offset<br/>0 Hz</p> |
| <p>11N40SISO/HCH</p> |  | <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq<br/>2.483500000 GHz</p> <p>Start Freq<br/>2.433500000 GHz</p> <p>Stop Freq<br/>2.533500000 GHz</p> <p>CF Step<br/>10.000000 MHz</p> <p>Freq Offset<br/>0 Hz</p> |

## RF Conducted Spurious Emissions

### Result Table

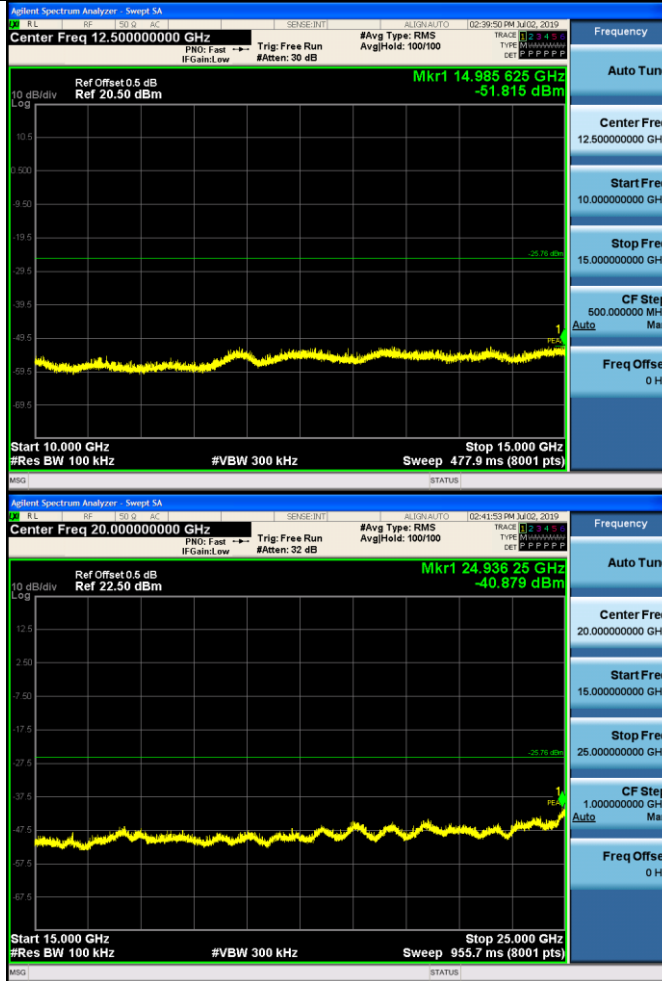
| Mode      | Channel | Pref [dBm] | Puw [dBm] | Verdict |
|-----------|---------|------------|-----------|---------|
| 11B       | LCH     | 4.237      | <Limit    | PASS    |
| 11B       | MCH     | 4.744      | <Limit    | PASS    |
| 11B       | HCH     | 4.517      | <Limit    | PASS    |
| 11G       | LCH     | 2.322      | <Limit    | PASS    |
| 11G       | MCH     | 3.598      | <Limit    | PASS    |
| 11G       | HCH     | 3.616      | <Limit    | PASS    |
| 11N20SISO | LCH     | 0.461      | <Limit    | PASS    |
| 11N20SISO | MCH     | 1.661      | <Limit    | PASS    |
| 11N20SISO | HCH     | 1.758      | <Limit    | PASS    |
| 11N40SISO | LCH     | -1.672     | <Limit    | PASS    |
| 11N40SISO | MCH     | -1.444     | <Limit    | PASS    |
| 11N40SISO | HCH     | -1.486     | <Limit    | PASS    |

### Test Graph



Puw/11B/LCH



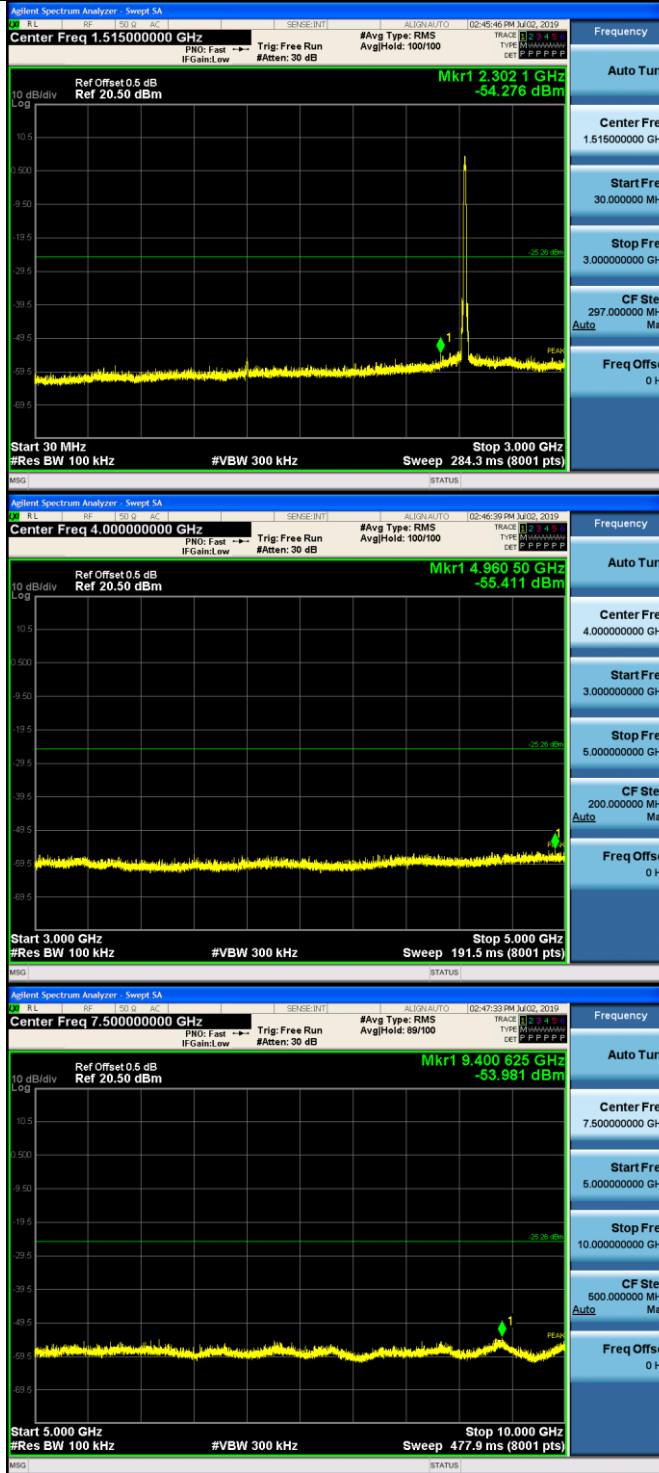


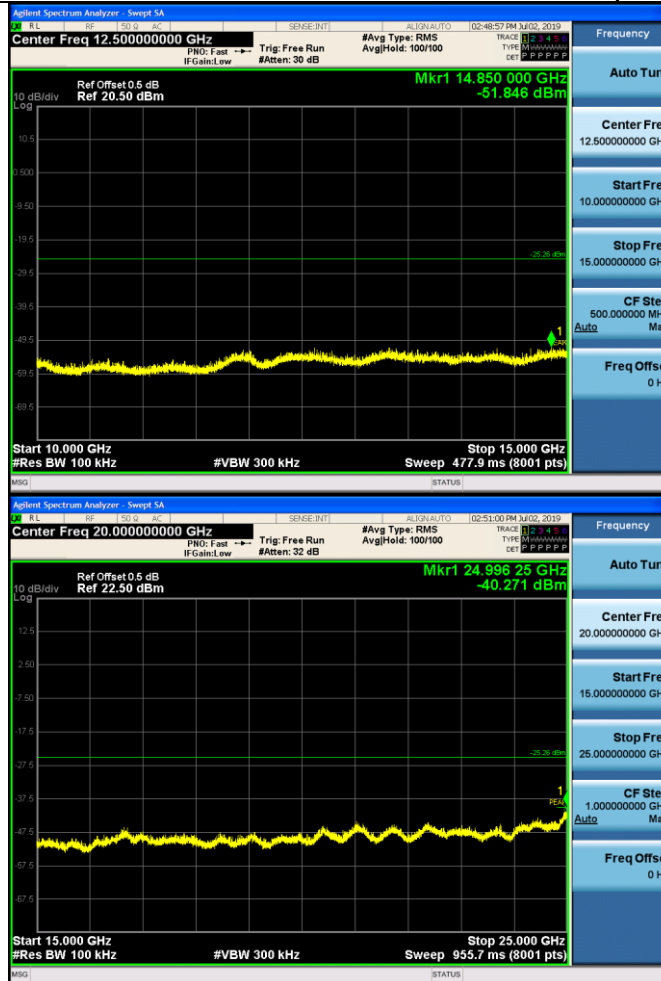
## 11B\_MCH\_Graphs

Pref/11B/MCH



Puw/11B/MCH





## 11B\_HCH\_Graphs

Pref/11B/HCH



Puw/11B/HCH







## 11G\_LCH\_Graphs

Pref/11G/LCH

