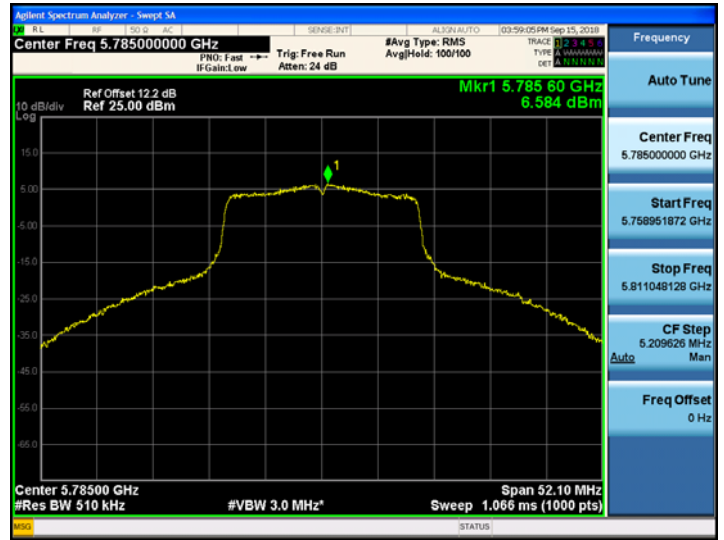


■ TEST Plot for 802.11n\_HT20\_Internal Ant

802.11n\_HT20 UNII 2C BAND PSD CH 144



802.11n\_HT20 UNII 3 BAND PSD CH 157

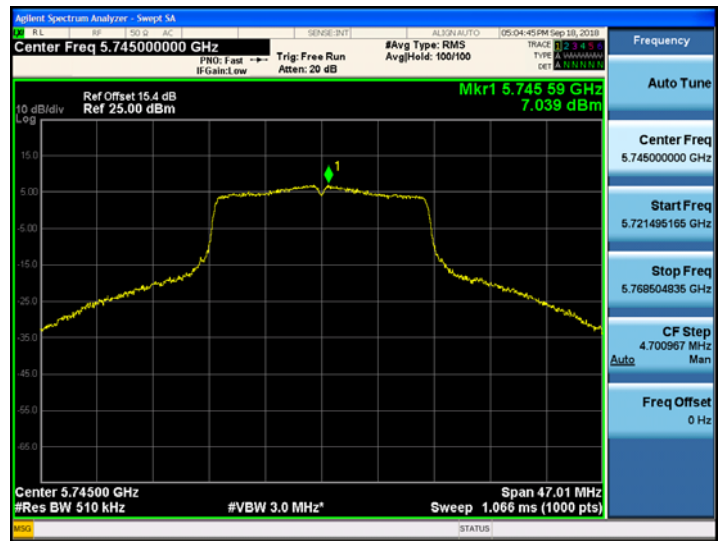


■ TEST Plot for 802.11n\_HT20\_External Ant

802.11n\_HT20 UNII 2C BAND PSD CH 116



802.11n\_HT20 UNII 3 BAND PSD CH 149



# Internal Ant

## ■ TEST RESULTS

### Conducted Power Density Measurements

| Frequency<br>(MHz) | Channel<br>No. | Mode               | Test Result                           |                              |                                                                |                |           |
|--------------------|----------------|--------------------|---------------------------------------|------------------------------|----------------------------------------------------------------|----------------|-----------|
|                    |                |                    | Measured<br>Power<br>Density<br>(dBm) | Duty Cycle<br>Factor<br>(dB) | Measured<br>Power<br>Density(dBm)<br>+<br>Duty Cycle<br>Factor | Limit<br>(dBm) | Pass/Fail |
| 5500               | 100            | 802.11ac<br>_VHT20 | 7.637                                 | 0.424                        | 8.061                                                          | 11             | Pass      |
| 5580               | 116            |                    | 7.160                                 | 1.572                        | 8.732                                                          |                | Pass      |
| 5720               | 144            |                    | 9.301                                 | 0.424                        | 9.725                                                          |                | Pass      |
| 5745               | 149            |                    | 6.124                                 | 0.424                        | 6.548                                                          | 30             | Pass      |
| 5785               | 157            |                    | 6.459                                 | 0.424                        | 6.883                                                          |                | Pass      |
| 5825               | 165            |                    | 4.573                                 | 1.343                        | 5.916                                                          |                | Pass      |

# External Ant

## ■ TEST RESULTS

### Conducted Power Density Measurements

| Frequency<br>(MHz) | Channel<br>No. | Mode               | Test Result                           |                              |                                                                |                |           |
|--------------------|----------------|--------------------|---------------------------------------|------------------------------|----------------------------------------------------------------|----------------|-----------|
|                    |                |                    | Measured<br>Power<br>Density<br>(dBm) | Duty Cycle<br>Factor<br>(dB) | Measured<br>Power<br>Density(dBm)<br>+<br>Duty Cycle<br>Factor | Limit<br>(dBm) | Pass/Fail |
| 5500               | 100            | 802.11ac<br>_VHT20 | 8.320                                 | 1.562                        | 9.882                                                          | 11             | Pass      |
| 5580               | 116            |                    | 9.747                                 | 0.607                        | 10.354                                                         |                | Pass      |
| 5720               | 144            |                    | 9.808                                 | 0.607                        | 10.415                                                         |                | Pass      |
| 5745               | 149            |                    | 6.687                                 | 0.607                        | 7.294                                                          | 30             | Pass      |
| 5785               | 157            |                    | 6.302                                 | 0.423                        | 6.725                                                          |                | Pass      |
| 5825               | 165            |                    | 6.099                                 | 0.214                        | 6.313                                                          |                | Pass      |

☒ **Sum Data of Internal Ant and External Ant**
☒ **TEST RESULTS**
**Conducted Power Density Measurements**

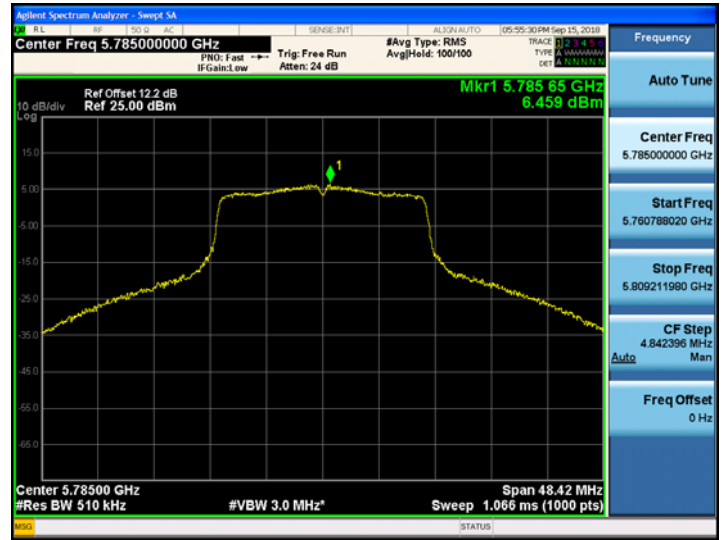
| Mode                | Frequency<br>[MHz] | Channel<br>No. | Duty<br>Cycle<br>Factor<br>(dB) | Measured Power [dBm] |                     |      | Result<br>(dBm) | Limit<br>(dBm) |
|---------------------|--------------------|----------------|---------------------------------|----------------------|---------------------|------|-----------------|----------------|
|                     |                    |                |                                 | Internal<br>Antenna  | External<br>Antenna | Sum  |                 |                |
| 802.11ac<br>(VHT20) | 5500               | 100            | 0.770                           | 5.506                | 7.376               | 9.55 | 10.32           | 11.00          |
|                     | 5580               | 116            | 1.071                           | 5.576                | 7.902               | 9.90 | 10.97           | 11.00          |
|                     | 5720               | 144            | 1.317                           | 4.159                | 7.152               | 8.92 | 10.24           | 11.00          |
|                     | 5745               | 149            | 1.071                           | 5.468                | 6.997               | 9.31 | 10.38           | 30.00          |
|                     | 5785               | 157            | 0.770                           | 5.542                | 6.336               | 8.97 | 9.74            | 30.00          |
|                     | 5825               | 165            | 2.596                           | 3.155                | 5.360               | 7.41 | 10.00           | 30.00          |

■ TEST Plot for 802.11ac\_VHT20\_Internal Ant

802.11ac\_VHT20 UNII 2C BAND PSD CH 144

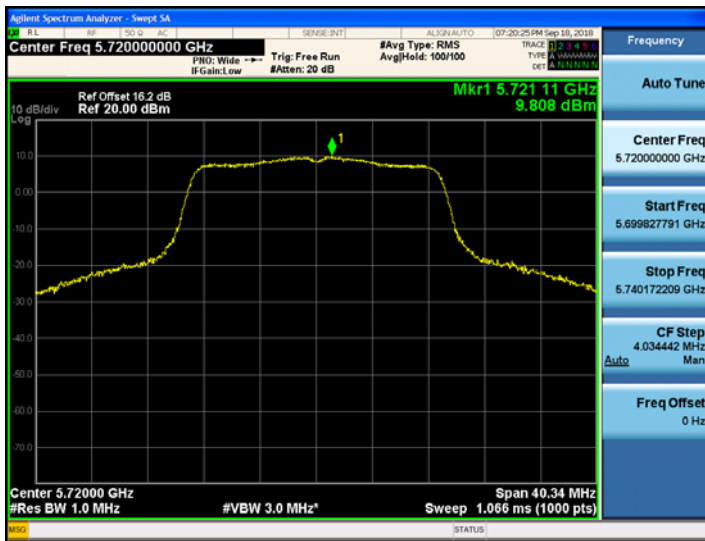


802.11ac\_VHT20 UNII 3 BAND PSD CH 157

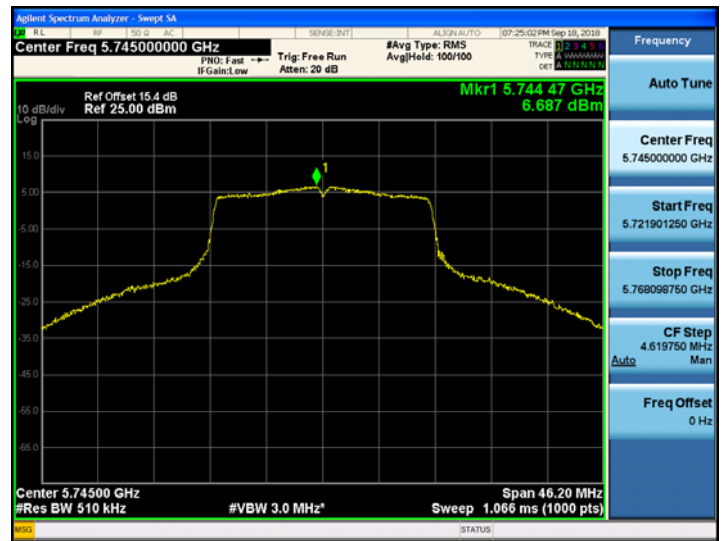


■ TEST Plot for 802.11ac\_VHT20\_External Ant

802.11ac\_VHT20 UNII 2C BAND PSD CH 144



802.11ac\_VHT20 UNII 3 BAND PSD CH 149



# Internal Ant

## ■ TEST RESULTS

### Conducted Power Density Measurements

| Frequency<br>(MHz) | Channel<br>No. | Mode             | Test Result                           |                              |                                                                |                |           |
|--------------------|----------------|------------------|---------------------------------------|------------------------------|----------------------------------------------------------------|----------------|-----------|
|                    |                |                  | Measured<br>Power<br>Density<br>(dBm) | Duty Cycle<br>Factor<br>(dB) | Measured<br>Power<br>Density(dBm)<br>+<br>Duty Cycle<br>Factor | Limit<br>(dBm) | Pass/Fail |
| 5510               | 102            | 802.11n<br>_HT40 | 3.122                                 | 1.877                        | 4.999                                                          | 11             | Pass      |
| 5550               | 110            |                  | 5.965                                 | 0.446                        | 6.411                                                          |                | Pass      |
| 5710               | 142            |                  | 4.644                                 | 2.226                        | 6.870                                                          |                | Pass      |
| 5755               | 151            |                  | 2.278                                 | 0.810                        | 3.088                                                          | 30             | Pass      |
| 5795               | 159            |                  | 1.527                                 | 1.406                        | 2.933                                                          |                | Pass      |

# External Ant

## ■ TEST RESULTS

### Conducted Power Density Measurements

| Frequency<br>(MHz) | Channel<br>No. | Mode             | Test Result                           |                              |                                                                |                |           |
|--------------------|----------------|------------------|---------------------------------------|------------------------------|----------------------------------------------------------------|----------------|-----------|
|                    |                |                  | Measured<br>Power<br>Density<br>(dBm) | Duty Cycle<br>Factor<br>(dB) | Measured<br>Power<br>Density(dBm)<br>+<br>Duty Cycle<br>Factor | Limit<br>(dBm) | Pass/Fail |
| 5510               | 102            | 802.11n<br>_HT40 | 5.208                                 | 1.877                        | 7.085                                                          | 11             | Pass      |
| 5550               | 110            |                  | 5.845                                 | 1.877                        | 7.722                                                          |                | Pass      |
| 5710               | 142            |                  | 6.087                                 | 0.812                        | 6.899                                                          |                | Pass      |
| 5755               | 151            |                  | 3.212                                 | 1.410                        | 4.622                                                          | 30             | Pass      |
| 5795               | 159            |                  | 1.613                                 | 1.877                        | 3.490                                                          |                | Pass      |

☒ **Sum Data of Internal Ant and External Ant**

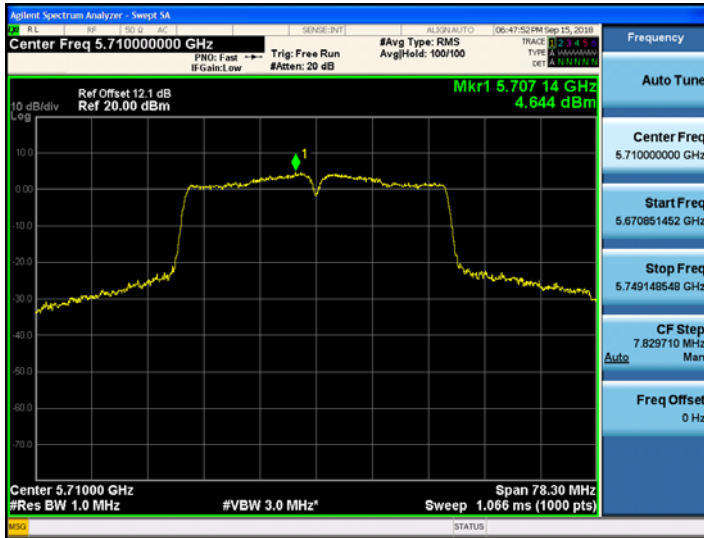
☒ **TEST RESULTS**

**Conducted Power Density Measurements**

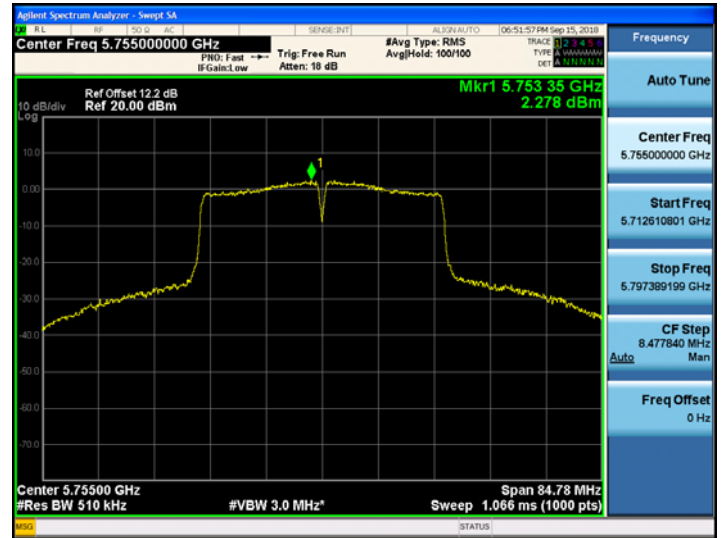
| Mode              | Frequency<br>[MHz] | Channel<br>No. | Duty<br>Cycle<br>Factor<br>(dB) | Measured Power [dBm] |                     |      | Result<br>(dBm) | Limit<br>(dBm) |
|-------------------|--------------------|----------------|---------------------------------|----------------------|---------------------|------|-----------------|----------------|
|                   |                    |                |                                 | Internal<br>Antenna  | External<br>Antenna | Sum  |                 |                |
| 802.11n<br>(HT40) | 5510               | 102            | 3.227                           | 1.917                | 2.375               | 5.16 | 8.39            | 11.00          |
|                   | 5500               | 110            | 3.030                           | 1.571                | 2.307               | 4.96 | 7.99            | 11.00          |
|                   | 5710               | 142            | 3.319                           | 0.380                | 1.521               | 4.00 | 7.32            | 30.00          |
|                   | 5755               | 151            | 3.030                           | 0.243                | 2.693               | 4.65 | 7.68            | 30.00          |
|                   | 5795               | 159            | 3.319                           | 1.363                | 1.567               | 4.48 | 7.80            | 30.00          |

■ TEST Plot for 802.11n\_HT40\_Internal Ant

802.11n\_HT40 UNII 2C BAND PSD CH 142



802.11n\_HT40 UNII 3 BAND PSD CH 151

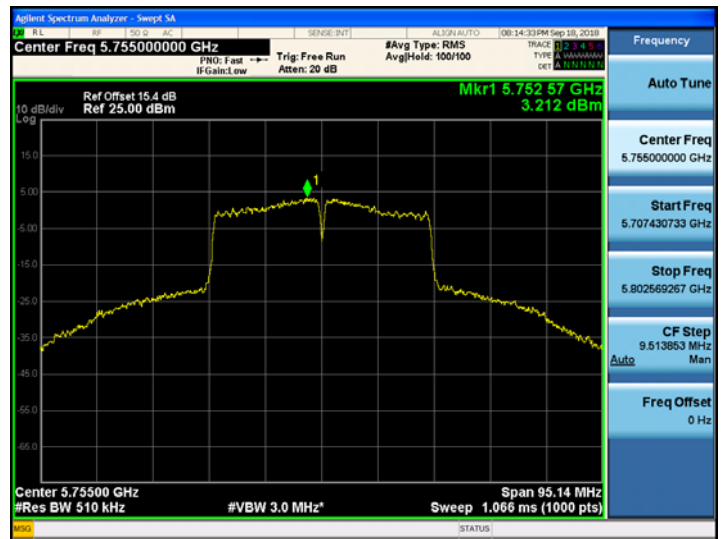


■ TEST Plot for 802.11n\_HT40\_External Ant

802.11n\_HT40 UNII 2C BAND PSD CH 110



802.11n\_HT40 UNII 3 BAND PSD CH 151



**Internal Ant**

**■ TEST RESULTS**

**Conducted Power Density Measurements**

| Frequency<br>(MHz) | Channel<br>No. | Mode               | Test Result                           |                              |                                                                |                |           |
|--------------------|----------------|--------------------|---------------------------------------|------------------------------|----------------------------------------------------------------|----------------|-----------|
|                    |                |                    | Measured<br>Power<br>Density<br>(dBm) | Duty Cycle<br>Factor<br>(dB) | Measured<br>Power<br>Density(dBm)<br>+<br>Duty Cycle<br>Factor | Limit<br>(dBm) | Pass/Fail |
| 5510               | 102            | 802.11ac<br>_VHT40 | 1.812                                 | 2.171                        | 3.983                                                          | 11             | Pass      |
| 5550               | 110            |                    | 4.460                                 | 1.389                        | 5.849                                                          |                | Pass      |
| 5710               | 142            |                    | 6.140                                 | 0.444                        | 6.584                                                          |                | Pass      |
| 5755               | 151            |                    | 2.817                                 | 0.444                        | 3.261                                                          | 30             | Pass      |
| 5795               | 159            |                    | 1.773                                 | 1.838                        | 3.611                                                          |                | Pass      |

**External Ant**

**■ TEST RESULTS**

**Conducted Power Density Measurements**

| Frequency<br>(MHz) | Channel<br>No. | Mode               | Test Result                           |                              |                                                                |                |           |
|--------------------|----------------|--------------------|---------------------------------------|------------------------------|----------------------------------------------------------------|----------------|-----------|
|                    |                |                    | Measured<br>Power<br>Density<br>(dBm) | Duty Cycle<br>Factor<br>(dB) | Measured<br>Power<br>Density(dBm)<br>+<br>Duty Cycle<br>Factor | Limit<br>(dBm) | Pass/Fail |
| 5510               | 102            | 802.11ac<br>_VHT40 | 6.349                                 | 0.800                        | 7.149                                                          | 11             | Pass      |
| 5550               | 110            |                    | 5.957                                 | 1.838                        | 7.795                                                          |                | Pass      |
| 5710               | 142            |                    | 4.873                                 | 2.798                        | 7.671                                                          |                | Pass      |
| 5755               | 151            |                    | 3.352                                 | 1.838                        | 5.190                                                          | 30             | Pass      |
| 5795               | 159            |                    | 1.592                                 | 2.474                        | 4.066                                                          |                | Pass      |

☒ **Sum Data of Internal Ant and External Ant**

☒ **TEST RESULTS**

**Conducted Power Density Measurements**

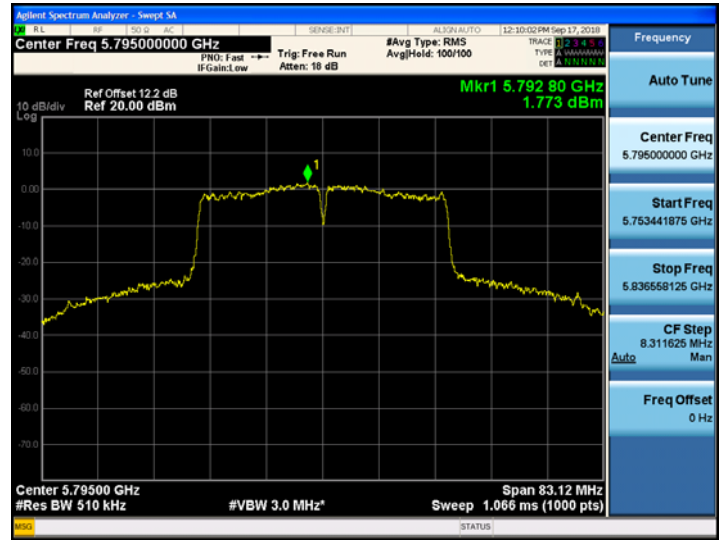
| Mode                | Frequency<br>[MHz] | Channel<br>No. | Duty<br>Cycle<br>Factor<br>(dB) | Measured Power [dBm] |                     |      | Result<br>(dBm) | Limit<br>(dBm) |
|---------------------|--------------------|----------------|---------------------------------|----------------------|---------------------|------|-----------------|----------------|
|                     |                    |                |                                 | Internal<br>Antenna  | External<br>Antenna | Sum  |                 |                |
| 802.11ac<br>(VHT40) | 5510               | 102            | 3.227                           | -0.105               | 2.072               | 4.13 | 7.36            | 11.00          |
|                     | 5500               | 110            | 3.227                           | 0.084                | 2.443               | 4.43 | 7.66            | 11.00          |
|                     | 5710               | 142            | 3.110                           | 1.407                | 2.027               | 4.74 | 7.85            | 30.00          |
|                     | 5755               | 151            | 2.944                           | 0.779                | 3.519               | 5.37 | 8.32            | 30.00          |
|                     | 5795               | 159            | 2.663                           | 1.582                | 1.413               | 4.51 | 7.17            | 30.00          |

■ TEST Plot for 802.11ac\_VHT40\_Internal Ant

802.11ac\_VHT40 UNII 2C BAND PSD CH 110



802.11ac\_VHT40 UNII 3 BAND PSD CH 159

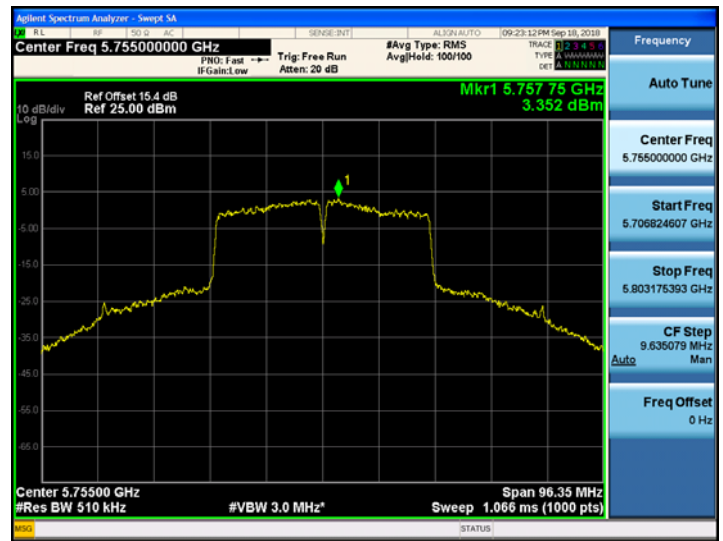


■ TEST Plot for 802.11ac\_VHT40\_External Ant

802.11ac\_VHT40 UNII 2C BAND PSD CH 110



802.11ac\_VHT40 UNII 3 BAND PSD CH 151



# Internal Ant

## ■ TEST RESULTS

### Conducted Power Density Measurements

| Frequency<br>(MHz) | Channel<br>No. | Mode               | Test Result                           |                              |                                                                |                |           |
|--------------------|----------------|--------------------|---------------------------------------|------------------------------|----------------------------------------------------------------|----------------|-----------|
|                    |                |                    | Measured<br>Power<br>Density<br>(dBm) | Duty Cycle<br>Factor<br>(dB) | Measured<br>Power<br>Density(dBm)<br>+<br>Duty Cycle<br>Factor | Limit<br>(dBm) | Pass/Fail |
| 5530               | 106            | 802.11ac<br>_VHT80 | -0.942                                | 0.862                        | -0.080                                                         | 11             | Pass      |
| 5610               | 122            |                    | -0.778                                | 3.729                        | 2.951                                                          |                | Pass      |
| 5690               | 138            |                    | -0.119                                | 3.729                        | 3.610                                                          |                | Pass      |
| 5775               | 155            |                    | -1.008                                | 1.481                        | 0.473                                                          | 30             | Pass      |

# External Ant

## ■ TEST RESULTS

### Conducted Power Density Measurements

| Frequency<br>(MHz) | Channel<br>No. | Mode               | Test Result                           |                              |                                                                |                |           |
|--------------------|----------------|--------------------|---------------------------------------|------------------------------|----------------------------------------------------------------|----------------|-----------|
|                    |                |                    | Measured<br>Power<br>Density<br>(dBm) | Duty Cycle<br>Factor<br>(dB) | Measured<br>Power<br>Density(dBm)<br>+<br>Duty Cycle<br>Factor | Limit<br>(dBm) | Pass/Fail |
| 5530               | 106            | 802.11ac<br>_VHT80 | -0.479                                | 3.825                        | 3.346                                                          | 11             | Pass      |
| 5610               | 122            |                    | 0.684                                 | 3.432                        | 4.116                                                          |                | Pass      |
| 5690               | 138            |                    | 0.867                                 | 2.795                        | 3.662                                                          |                | Pass      |
| 5775               | 155            |                    | -2.434                                | 3.825                        | 1.391                                                          | 30             | Pass      |

■ Sum Data of Internal Ant and External Ant

■ TEST RESULTS

Conducted Power Density Measurements

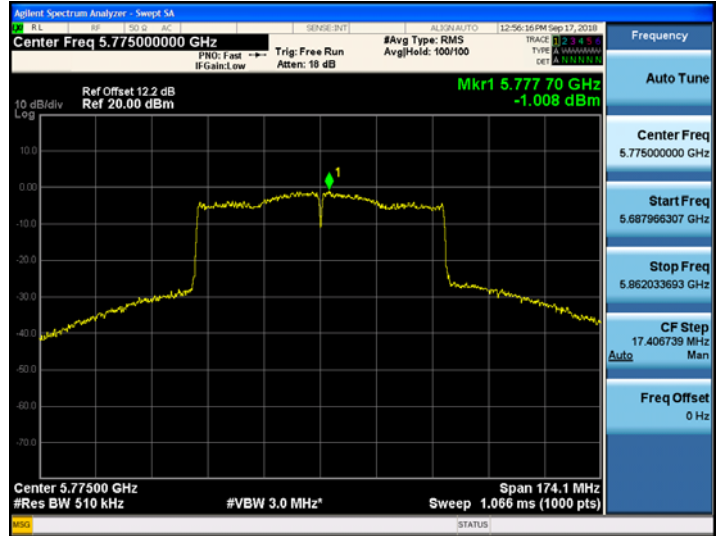
| Mode                | Frequency<br>[MHz] | Channel<br>No. | Duty<br>Cycle<br>Factor<br>(dB) | Measured Power [dBm] |                     |       | Result<br>(dBm) | Limit<br>(dBm) |
|---------------------|--------------------|----------------|---------------------------------|----------------------|---------------------|-------|-----------------|----------------|
|                     |                    |                |                                 | Internal<br>Antenna  | External<br>Antenna | Sum   |                 |                |
| 802.11ac<br>(VHT80) | 5530               | 106            | 3.992                           | -2.793               | -2.444              | 0.40  | 4.39            | 11.00          |
|                     | 5610               | 122            | 4.360                           | -4.499               | -2.430              | -0.33 | 4.03            | 11.00          |
|                     | 5690               | 138            | 3.992                           | -2.116               | -2.298              | 0.80  | 4.80            | 11.00          |
|                     | 5775               | 155            | 4.360                           | -3.590               | -2.235              | 0.15  | 4.51            | 30.00          |

■ TEST Plot for 802.11ac\_VHT80\_Internal Ant

802.11ac\_VHT80 UNII 2C BAND PSD CH 138



802.11ac\_VHT80 UNII 3 BAND PSD CH 155



■ TEST Plot for 802.11ac\_VHT80\_External Ant

802.11ac\_VHT80 UNII 2C BAND PSD CH 122



802.11ac\_VHT80 UNII 3 BAND PSD CH 155



**■ Straddle channels TEST RESULTS for 802.11a/n\_HT20/ac\_VHT20\_Internal Ant**
**Conducted Power Density Measurements (UNII 2C Band 5720MHz)**

| Frequency<br>(MHz) | Channel<br>No. | Mode     | Test Result                           |                              |                                                                |                |           |
|--------------------|----------------|----------|---------------------------------------|------------------------------|----------------------------------------------------------------|----------------|-----------|
|                    |                |          | Measured<br>Power<br>Density<br>(dBm) | Duty Cycle<br>Factor<br>(dB) | Measured<br>Power<br>Density(dBm)<br>+<br>Duty Cycle<br>Factor | Limit<br>(dBm) | Pass/Fail |
| 5720               | 144            | 802.11a  | 9.812                                 | 0.398                        | 10.210                                                         | 11.00          | Pass      |
|                    |                | 802.11n  | 9.549                                 | 0.622                        | 10.171                                                         | 11.00          | Pass      |
|                    |                | 802.11ac | 9.800                                 | 0.424                        | 10.224                                                         | 11.00          | Pass      |

**Conducted Power Density Measurements (UNII 3 Band 5720MHz)**

| Frequency<br>(MHz) | Channel<br>No. | Mode     | Test Result                           |                              |                                                                |                |           |
|--------------------|----------------|----------|---------------------------------------|------------------------------|----------------------------------------------------------------|----------------|-----------|
|                    |                |          | Measured<br>Power<br>Density<br>(dBm) | Duty Cycle<br>Factor<br>(dB) | Measured<br>Power<br>Density(dBm)<br>+<br>Duty Cycle<br>Factor | Limit<br>(dBm) | Pass/Fail |
| 5720               | 144            | 802.11a  | 5.019                                 | 0.398                        | 5.417                                                          | 30.00          | Pass      |
|                    |                | 802.11n  | 4.642                                 | 0.622                        | 5.264                                                          | 30.00          | Pass      |
|                    |                | 802.11ac | 4.421                                 | 0.424                        | 4.845                                                          | 30.00          | Pass      |

■ Straddle channels TEST Plot for 802.11a/n\_HT20/ac\_VHT20\_Internal Ant

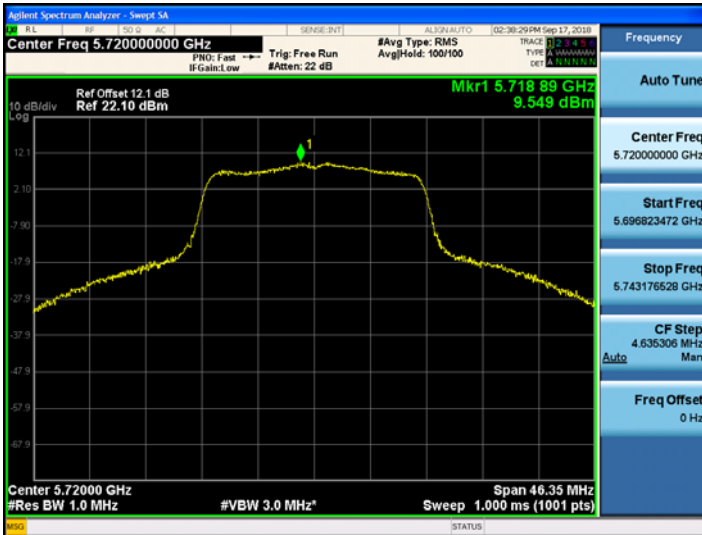
802.11a UNII 2C Band PSD CH.144



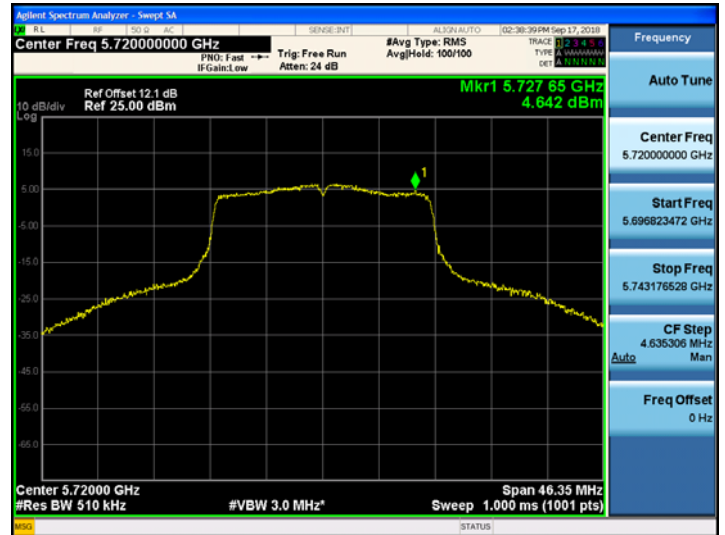
802.11a UNII 3 Band PSD CH.144



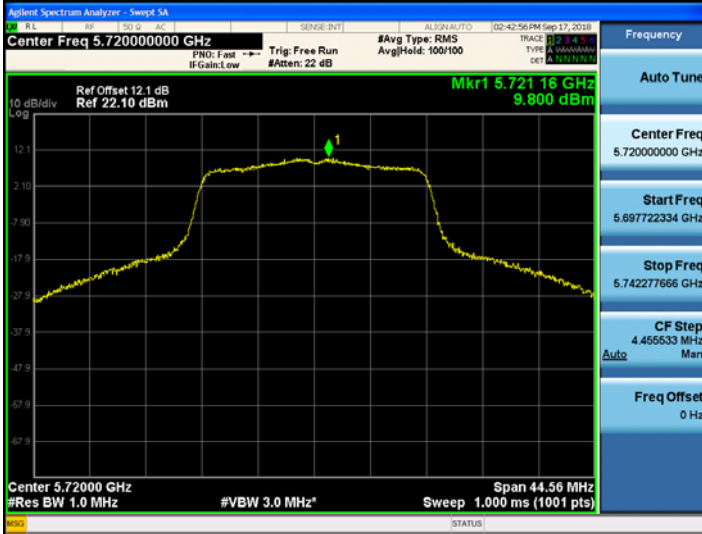
802.11n\_HT20 UNII 2C Band PSD CH.144



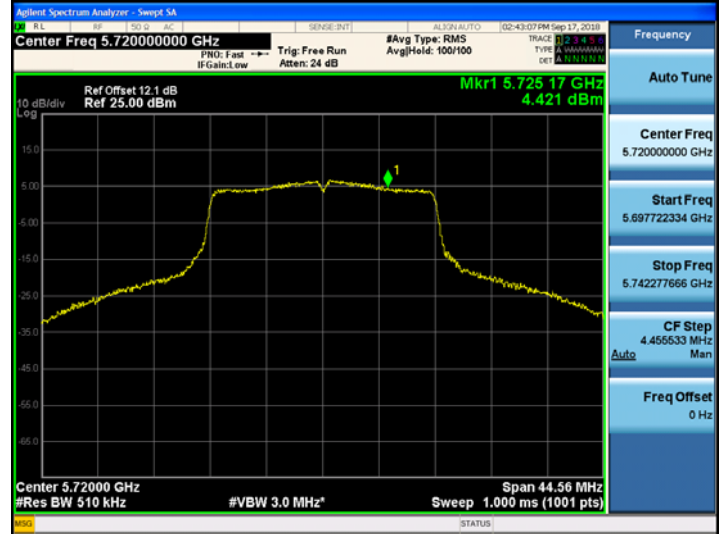
802.11n\_HT20 UNII 3 Band PSD CH.144



802.11ac\_VHT20 UNII 2C Band PSD CH.144



802.11ac\_VHT20 UNII 3 Band PSD CH.144



**■ Straddle channels TEST RESULTS for 802.11a/n\_HT20/ac\_VHT20\_External Ant**
**Conducted Power Density Measurements (UNII 2C Band 5720MHz)**

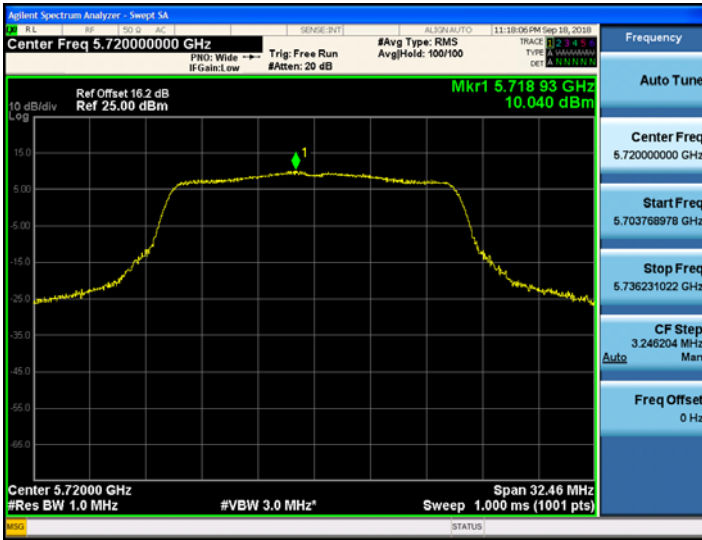
| Frequency<br>(MHz) | Channel<br>No. | Mode     | Test Result                           |                              |                                                                |                |           |
|--------------------|----------------|----------|---------------------------------------|------------------------------|----------------------------------------------------------------|----------------|-----------|
|                    |                |          | Measured<br>Power<br>Density<br>(dBm) | Duty Cycle<br>Factor<br>(dB) | Measured<br>Power<br>Density(dBm)<br>+<br>Duty Cycle<br>Factor | Limit<br>(dBm) | Pass/Fail |
| 5720               | 144            | 802.11a  | 10.040                                | 0.401                        | 10.441                                                         | 11.00          | Pass      |
|                    |                | 802.11n  | 9.702                                 | 0.426                        | 10.128                                                         | 11.00          | Pass      |
|                    |                | 802.11ac | 10.316                                | 0.607                        | 10.923                                                         | 11.00          | Pass      |

**Conducted Power Density Measurements (UNII 3 Band 5720MHz)**

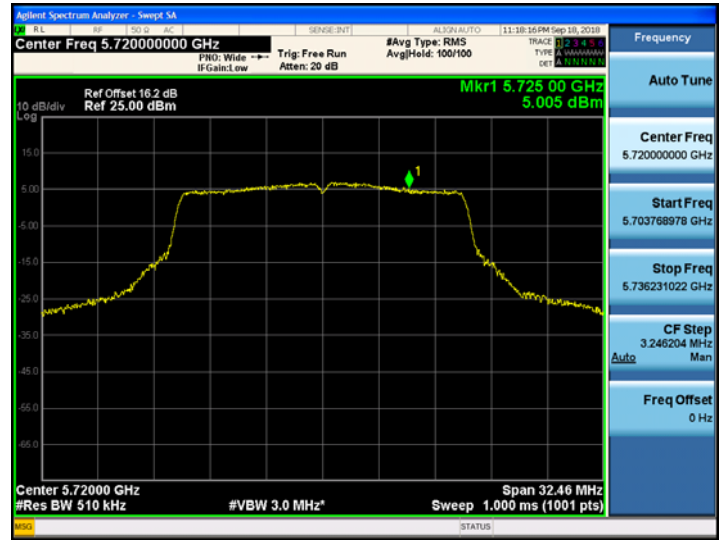
| Frequency<br>(MHz) | Channel<br>No. | Mode     | Test Result                           |                              |                                                                |                |           |
|--------------------|----------------|----------|---------------------------------------|------------------------------|----------------------------------------------------------------|----------------|-----------|
|                    |                |          | Measured<br>Power<br>Density<br>(dBm) | Duty Cycle<br>Factor<br>(dB) | Measured<br>Power<br>Density(dBm)<br>+<br>Duty Cycle<br>Factor | Limit<br>(dBm) | Pass/Fail |
| 5720               | 144            | 802.11a  | 5.005                                 | 0.401                        | 5.406                                                          | 30.00          | Pass      |
|                    |                | 802.11n  | 4.570                                 | 0.426                        | 4.996                                                          | 30.00          | Pass      |
|                    |                | 802.11ac | 5.089                                 | 0.607                        | 5.696                                                          | 30.00          | Pass      |

■ Straddle channels TEST Plot for 802.11a/n\_HT20/ac\_VHT20\_External Ant

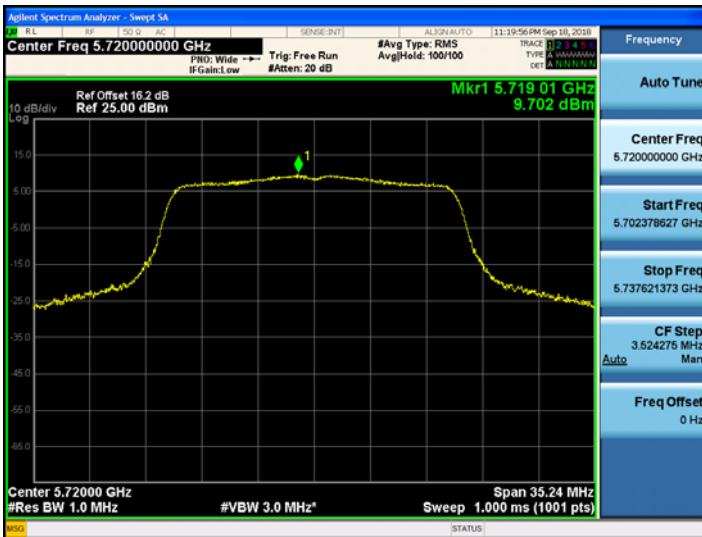
802.11a UNII 2C Band PSD CH.144



802.11a UNII 3 Band PSD CH.144



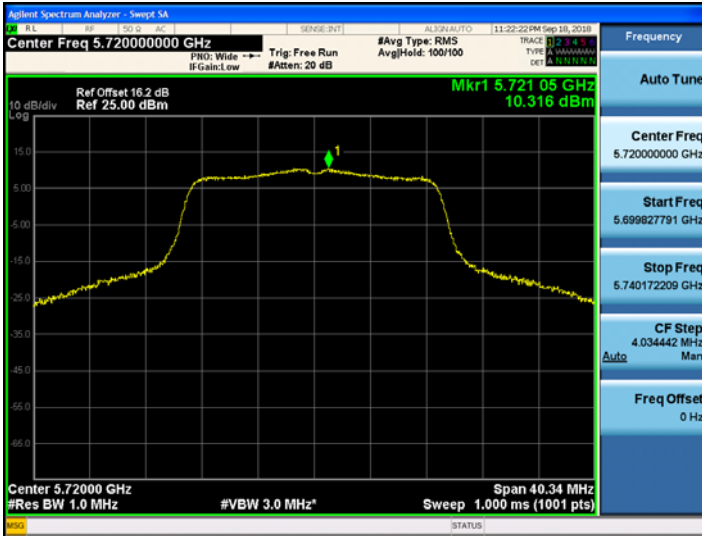
802.11n\_HT20 UNII 2C Band PSD CH.144



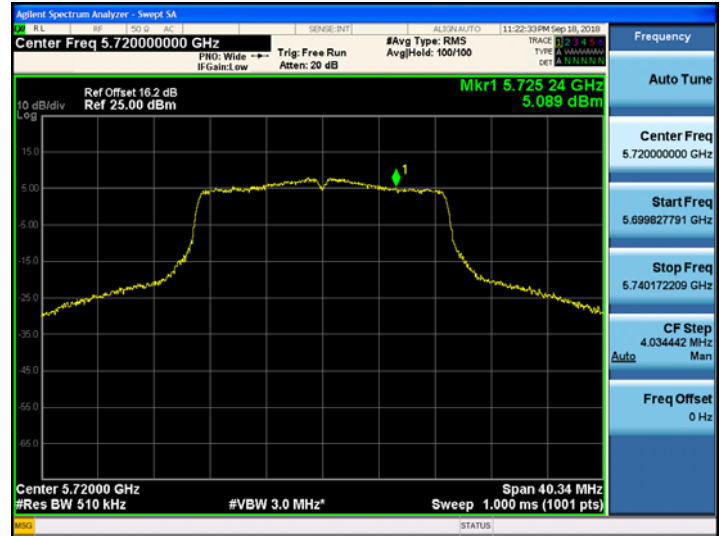
802.11n\_HT20 UNII 3 Band PSD CH.144



802.11ac\_VHT20 UNII 2C Band PSD CH.144



802.11ac\_VHT20 UNII 3 Band PSD CH.144



**■ Straddle channels TEST RESULTS for 802.11n\_HT40/ac\_VHT40\_Internal Ant**
**Conducted Power Density Measurements (UNII 2C Band 5710MHz)**

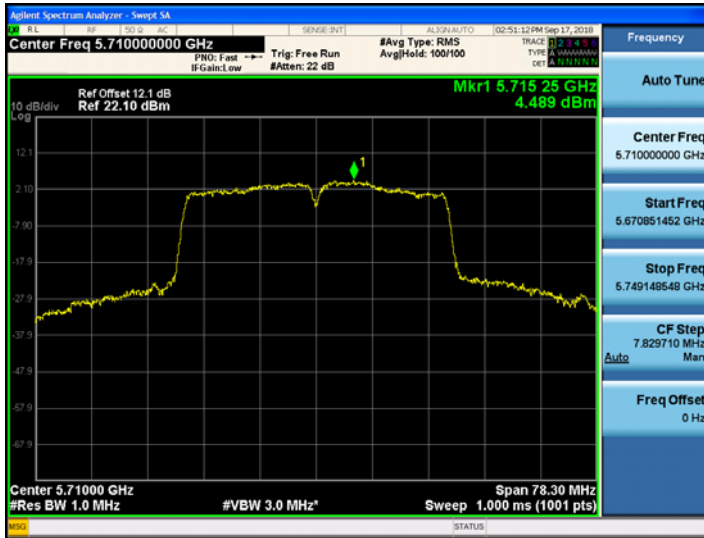
| Frequency<br>(MHz) | Channel<br>No. | Mode     | Test Result                           |                              |                                                                |                |           |
|--------------------|----------------|----------|---------------------------------------|------------------------------|----------------------------------------------------------------|----------------|-----------|
|                    |                |          | Measured<br>Power<br>Density<br>(dBm) | Duty Cycle<br>Factor<br>(dB) | Measured<br>Power<br>Density(dBm)<br>+<br>Duty Cycle<br>Factor | Limit<br>(dBm) | Pass/Fail |
| 5710               | 142            | 802.11n  | 4.489                                 | 2.226                        | 6.715                                                          | 11.00          | Pass      |
|                    |                | 802.11ac | 5.979                                 | 0.444                        | 6.423                                                          | 11.00          | Pass      |

**Conducted Power Density Measurements (UNII 3 Band 5710MHz)**

| Frequency<br>(MHz) | Channel<br>No. | Mode     | Test Result                           |                              |                                                                |                |           |
|--------------------|----------------|----------|---------------------------------------|------------------------------|----------------------------------------------------------------|----------------|-----------|
|                    |                |          | Measured<br>Power<br>Density<br>(dBm) | Duty Cycle<br>Factor<br>(dB) | Measured<br>Power<br>Density(dBm)<br>+<br>Duty Cycle<br>Factor | Limit<br>(dBm) | Pass/Fail |
| 5710               | 142            | 802.11n  | -0.858                                | 2.226                        | 1.368                                                          | 30.00          | Pass      |
|                    |                | 802.11ac | 0.161                                 | 0.444                        | 0.605                                                          | 30.00          | Pass      |

■ Straddle channels TEST Plot for 802.11n\_HT40/ac\_VHT40\_Internal Ant

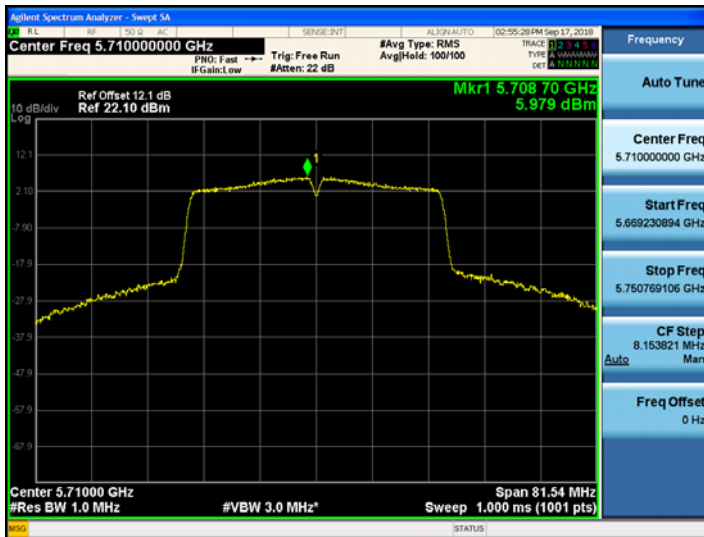
802.11n\_HT40 UNII 2C Band PSD CH.142



802.11n\_HT40 UNII 3 Band PSD CH.142



802.11ac\_VHT40 UNII 2C Band PSD CH.142



802.11ac\_VHT40 UNII 3 Band PSD CH.142



**■ Straddle channels TEST RESULTS for 802.11n\_HT40/ac\_VHT40\_External Ant**
**Conducted Power Density Measurements (UNII 2C Band 5710MHz)**

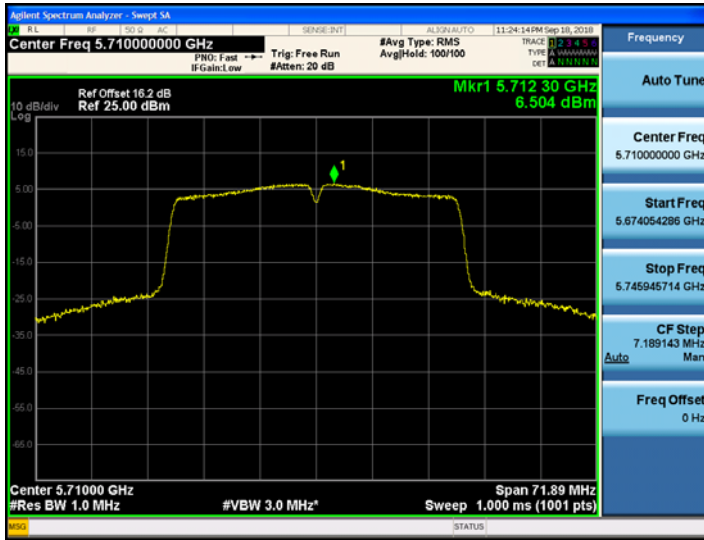
| Frequency<br>(MHz) | Channel<br>No. | Mode     | Test Result                           |                              |                                                                |                |           |
|--------------------|----------------|----------|---------------------------------------|------------------------------|----------------------------------------------------------------|----------------|-----------|
|                    |                |          | Measured<br>Power<br>Density<br>(dBm) | Duty Cycle<br>Factor<br>(dB) | Measured<br>Power<br>Density(dBm)<br>+<br>Duty Cycle<br>Factor | Limit<br>(dBm) | Pass/Fail |
| 5710               | 142            | 802.11n  | 6.504                                 | 0.812                        | 7.316                                                          | 11.00          | Pass      |
|                    |                | 802.11ac | 4.828                                 | 2.798                        | 7.626                                                          | 11.00          | Pass      |

**Conducted Power Density Measurements (UNII 3 Band 5710MHz)**

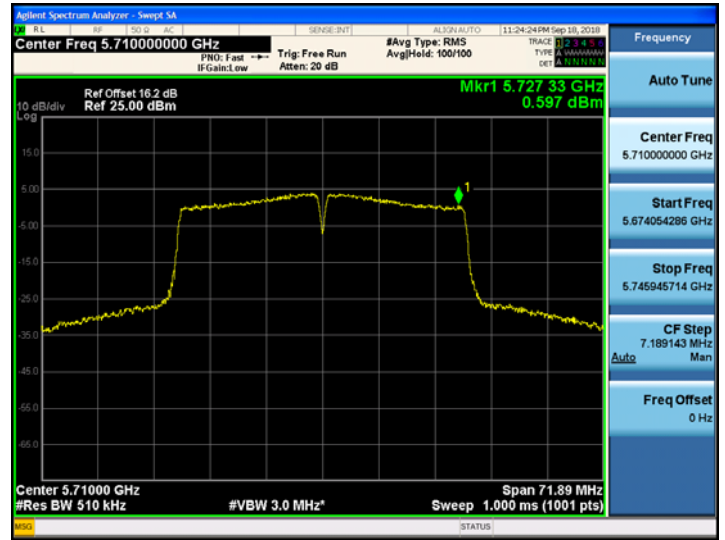
| Frequency<br>(MHz) | Channel<br>No. | Mode     | Test Result                           |                              |                                                                |                |           |
|--------------------|----------------|----------|---------------------------------------|------------------------------|----------------------------------------------------------------|----------------|-----------|
|                    |                |          | Measured<br>Power<br>Density<br>(dBm) | Duty Cycle<br>Factor<br>(dB) | Measured<br>Power<br>Density(dBm)<br>+<br>Duty Cycle<br>Factor | Limit<br>(dBm) | Pass/Fail |
| 5710               | 142            | 802.11n  | 0.597                                 | 0.812                        | 1.409                                                          | 30.00          | Pass      |
|                    |                | 802.11ac | -0.897                                | 2.798                        | 1.901                                                          | 30.00          | Pass      |

■ Straddle channels TEST Plot for 802.11n\_HT40/ac\_VHT40\_External Ant

802.11n\_HT40 UNII 2C Band PSD CH.142



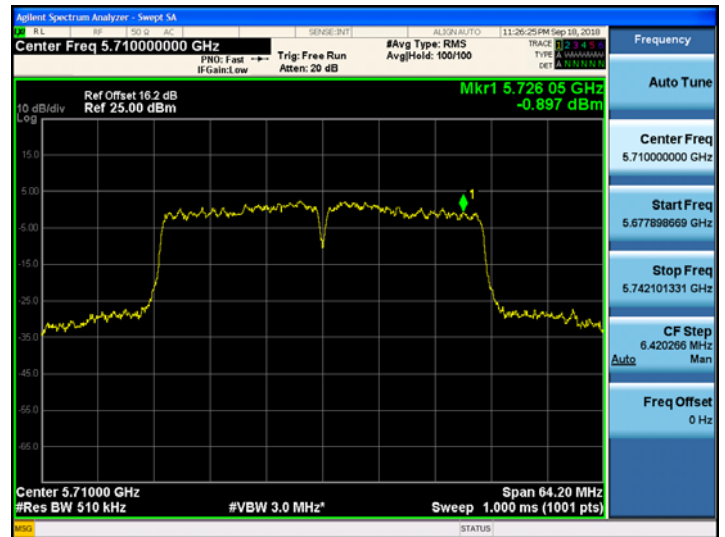
802.11n\_HT40 UNII 3 Band PSD CH.142



802.11ac\_VHT40 UNII 2C Band PSD CH.142



802.11ac\_VHT40 UNII 3 Band PSD CH.142



■ Straddle channels TEST RESULTS\_Internal Ant

Conducted Power Density Measurements (UNII 2C Band 5690MHz)

| Frequency (MHz) | Channel No. | Mode     | Test Result                  |                        |                                                 |             |           |
|-----------------|-------------|----------|------------------------------|------------------------|-------------------------------------------------|-------------|-----------|
|                 |             |          | Measured Power Density (dBm) | Duty Cycle Factor (dB) | Measured Power Density(dBm) + Duty Cycle Factor | Limit (dBm) | Pass/Fail |
| 5690            | 138         | 802.11ac | -0.331                       | 3.729                  | 3.398                                           | 11.00       | Pass      |

Conducted Power Density Measurements (UNII 3 Band 5690MHz)

| Frequency (MHz) | Channel No. | Mode     | Test Result                  |                        |                                                 |             |           |
|-----------------|-------------|----------|------------------------------|------------------------|-------------------------------------------------|-------------|-----------|
|                 |             |          | Measured Power Density (dBm) | Duty Cycle Factor (dB) | Measured Power Density(dBm) + Duty Cycle Factor | Limit (dBm) | Pass/Fail |
| 5690            | 138         | 802.11ac | -3.386                       | 3.729                  | 0.343                                           | 30.00       | Pass      |

■ Straddle channels TEST Plot for 802.11ac\_VHT80\_Internal Ant

802.11ac\_VHT80 UNII 2C Band PSD CH.138



802.11ac\_VHT80 UNII 3 Band PSD CH.138



■ Straddle channels TEST RESULTS\_External Ant

Conducted Power Density Measurements (UNII 2C Band 5690MHz)

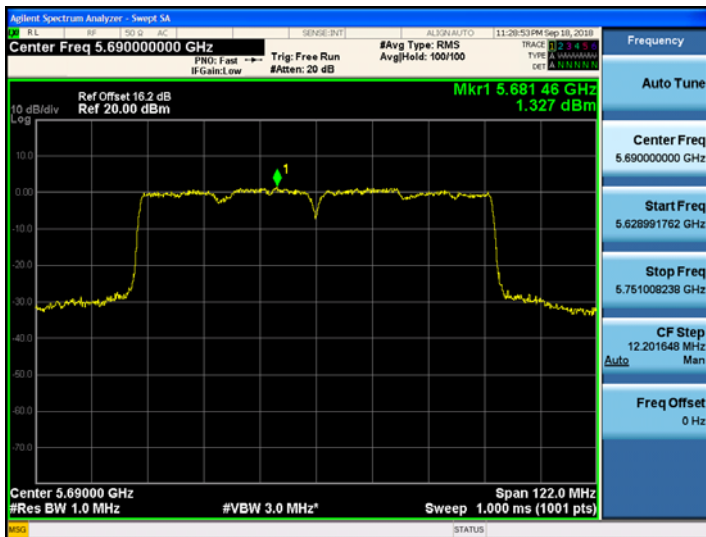
| Frequency (MHz) | Channel No. | Mode     | Test Result                  |                        |                                                 |             |           |
|-----------------|-------------|----------|------------------------------|------------------------|-------------------------------------------------|-------------|-----------|
|                 |             |          | Measured Power Density (dBm) | Duty Cycle Factor (dB) | Measured Power Density(dBm) + Duty Cycle Factor | Limit (dBm) | Pass/Fail |
| 5690            | 138         | 802.11ac | 1.327                        | 2.795                  | 4.122                                           | 11.00       | Pass      |

Conducted Power Density Measurements (UNII 3 Band 5690MHz)

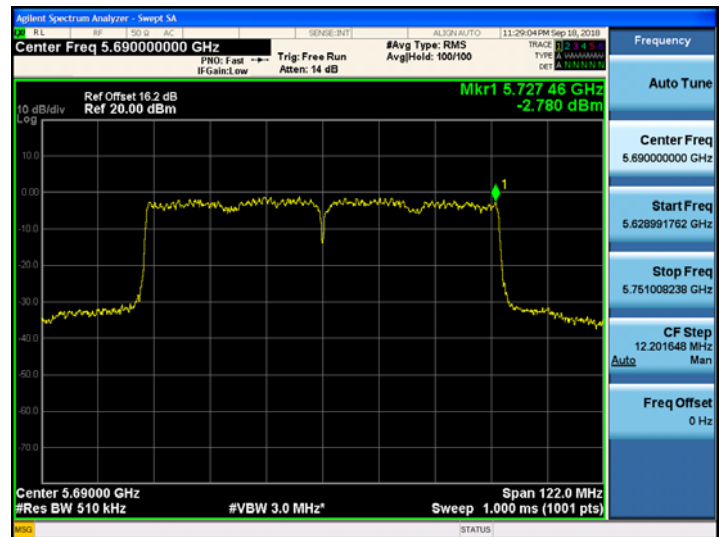
| Frequency (MHz) | Channel No. | Mode     | Test Result                  |                        |                                                 |             |           |
|-----------------|-------------|----------|------------------------------|------------------------|-------------------------------------------------|-------------|-----------|
|                 |             |          | Measured Power Density (dBm) | Duty Cycle Factor (dB) | Measured Power Density(dBm) + Duty Cycle Factor | Limit (dBm) | Pass/Fail |
| 5690            | 138         | 802.11ac | -2.780                       | 2.795                  | 0.015                                           | 30.00       | Pass      |

■ Straddle channels TEST Plot for 802.11ac\_VHT80\_External Ant

802.11ac\_VHT80 UNII 2C Band PSD CH.138



802.11ac\_VHT80 UNII 3 Band PSD CH.138



## 10.6 FREQUENCY STABILITY

The EUT was placed inside an environmental chamber as the temperature in the chamber was varied between -30 °C and 50 °C. The temperature was incremented by 10 °C intervals and the unit was allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded.

### [Internal Ant]

#### 20 MHz BW\_ Startup

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 1      |
| OPERATING FREQUENCY: | 5,180,000,000 Hz |
| CHANNEL:             | 36               |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5180069.20      | 69.20                 |
| 100%        |             | -30        | 5180087.23      | 87.23                 |
| 100%        |             | -20        | 5180091.59      | 91.59                 |
| 100%        |             | -10        | 5180036.48      | 36.48                 |
| 100%        |             | 0          | 5180027.14      | 27.14                 |
| 100%        |             | +10        | 5180093.27      | 93.27                 |
| 100%        |             | +30        | 5180067.91      | 67.91                 |
| 100%        |             | +40        | 5180079.59      | 79.59                 |
| 100%        |             | +50        | 5180017.04      | 17.04                 |
| Max.        | 16.00       | +20        | 5180085.35      | 85.35                 |
| Min.        | 9.00        | +20        | 5180025.12      | 25.12                 |

### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,260,000,000 Hz  
 CHANNEL: 52  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5260054.22      | 54.22                 |
| 100%        |             | -30        | 5260035.11      | 35.11                 |
| 100%        |             | -20        | 5260022.88      | 22.88                 |
| 100%        |             | -10        | 5260072.10      | 72.1                  |
| 100%        |             | 0          | 5260096.25      | 96.25                 |
| 100%        |             | +10        | 5260050.79      | 50.79                 |
| 100%        |             | +30        | 5260067.56      | 67.56                 |
| 100%        |             | +40        | 5260019.53      | 19.53                 |
| 100%        |             | +50        | 5260092.85      | 92.85                 |
| Max.        | 16.00       | +20        | 5260097.96      | 97.96                 |
| Min.        | 9.00        | +20        | 5260082.39      | 82.39                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,500,000,000 Hz |
| CHANNEL:             | 100              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5500025.80      | 25.80                 |
| 100%        |             | -30        | 5500027.91      | 27.91                 |
| 100%        |             | -20        | 5500046.73      | 46.73                 |
| 100%        |             | -10        | 5500028.38      | 28.38                 |
| 100%        |             | 0          | 5500074.38      | 74.38                 |
| 100%        |             | +10        | 5500061.90      | 61.9                  |
| 100%        |             | +30        | 5500030.26      | 30.26                 |
| 100%        |             | +40        | 5500065.28      | 65.28                 |
| 100%        |             | +50        | 5500090.33      | 90.33                 |
| Max.        | 16.00       | +20        | 5500016.88      | 16.88                 |
| Min.        | 9.00        | +20        | 5500075.68      | 75.68                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 3      |
| OPERATING FREQUENCY: | 5,745,000,000 Hz |
| CHANNEL:             | 149              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5745045.30      | 45.30                 |
| 100%        |             | -30        | 5745098.93      | 98.93                 |
| 100%        |             | -20        | 5745070.86      | 70.86                 |
| 100%        |             | -10        | 5745076.81      | 76.81                 |
| 100%        |             | 0          | 5745056.75      | 56.75                 |
| 100%        |             | +10        | 5745020.53      | 20.53                 |
| 100%        |             | +30        | 5745046.81      | 46.81                 |
| 100%        |             | +40        | 5745080.34      | 80.34                 |
| 100%        |             | +50        | 5745042.51      | 42.51                 |
| Max.        | 16.00       | +20        | 5745099.56      | 99.56                 |
| Min.        | 9.00        | +20        | 5745026.12      | 26.12                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

## 2 minutes

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,180,000,000 Hz  
 CHANNEL: 36  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5180040.25      | 40.25                 |
| 100%        |             | -30        | 5180055.05      | 55.05                 |
| 100%        |             | -20        | 5180089.17      | 89.17                 |
| 100%        |             | -10        | 5180031.80      | 31.80                 |
| 100%        |             | 0          | 5180025.41      | 25.41                 |
| 100%        |             | +10        | 5180011.21      | 11.21                 |
| 100%        |             | +30        | 5180097.75      | 97.75                 |
| 100%        |             | +40        | 5180013.94      | 13.94                 |
| 100%        |             | +50        | 5180047.28      | 47.28                 |
| Max.        | 16.00       | +20        | 5180066.58      | 66.58                 |
| Min.        | 9.00        | +20        | 5180034.67      | 34.67                 |

## Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,260,000,000 Hz  
 CHANNEL: 52  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5260076.32      | 76.32                 |
| 100%        |             | -30        | 5260003.26      | 3.26                  |
| 100%        |             | -20        | 5260066.31      | 66.31                 |
| 100%        |             | -10        | 5260061.90      | 61.9                  |
| 100%        |             | 0          | 5260054.99      | 54.99                 |
| 100%        |             | +10        | 5260067.03      | 67.03                 |
| 100%        |             | +30        | 5260050.02      | 50.02                 |
| 100%        |             | +40        | 5260088.15      | 88.15                 |
| 100%        |             | +50        | 5260030.24      | 30.24                 |
| Max.        | 16.00       | +20        | 5260065.30      | 65.30                 |
| Min.        | 9.00        | +20        | 5260053.38      | 53.38                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,500,000,000 Hz |
| CHANNEL:             | 100              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5500005.87      | 5.87                  |
| 100%        |             | -30        | 5500019.93      | 19.93                 |
| 100%        |             | -20        | 5500005.56      | 5.56                  |
| 100%        |             | -10        | 5500091.97      | 91.97                 |
| 100%        |             | 0          | 5500005.85      | 5.85                  |
| 100%        |             | +10        | 5500017.88      | 17.88                 |
| 100%        |             | +30        | 5500020.84      | 20.84                 |
| 100%        |             | +40        | 5500083.21      | 83.21                 |
| 100%        |             | +50        | 5500023.81      | 23.81                 |
| Max.        | 16.00       | +20        | 5500064.93      | 64.93                 |
| Min.        | 9.00        | +20        | 5500063.49      | 63.49                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,745,000,000 Hz  
 CHANNEL: 149  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5745081.60      | 81.60                 |
| 100%        |             | -30        | 5745068.08      | 68.08                 |
| 100%        |             | -20        | 5745054.50      | 54.5                  |
| 100%        |             | -10        | 5745057.50      | 57.5                  |
| 100%        |             | 0          | 5745080.31      | 80.31                 |
| 100%        |             | +10        | 5745054.81      | 54.81                 |
| 100%        |             | +30        | 5745039.28      | 39.28                 |
| 100%        |             | +40        | 5745053.41      | 53.41                 |
| 100%        |             | +50        | 5745014.57      | 14.57                 |
| Max.        | 16.00       | +20        | 5745085.73      | 85.73                 |
| Min.        | 9.00        | +20        | 5745027.50      | 27.5                  |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

**5 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,180,000,000 Hz  
 CHANNEL: 36  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5180002.07      | 2.07                  |
| 100%        |             | -30        | 5180060.92      | 60.92                 |
| 100%        |             | -20        | 5180067.15      | 67.15                 |
| 100%        |             | -10        | 5180097.06      | 97.06                 |
| 100%        |             | 0          | 5180014.25      | 14.25                 |
| 100%        |             | +10        | 5180045.21      | 45.21                 |
| 100%        |             | +30        | 5180072.24      | 72.24                 |
| 100%        |             | +40        | 5180026.36      | 26.36                 |
| 100%        |             | +50        | 5180048.90      | 48.90                 |
| Max.        | 16.00       | +20        | 5180097.22      | 97.22                 |
| Min.        | 9.00        | +20        | 5180012.58      | 12.58                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,260,000,000 Hz  
 CHANNEL: 52  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5260097.64      | 97.64                 |
| 100%        |             | -30        | 5260087.10      | 87.10                 |
| 100%        |             | -20        | 5260049.31      | 49.31                 |
| 100%        |             | -10        | 5260065.89      | 65.89                 |
| 100%        |             | 0          | 5260013.87      | 13.87                 |
| 100%        |             | +10        | 5260056.05      | 56.05                 |
| 100%        |             | +30        | 5260014.40      | 14.4                  |
| 100%        |             | +40        | 5260004.20      | 4.2                   |
| 100%        |             | +50        | 5260039.76      | 39.76                 |
| Max.        | 16.00       | +20        | 5260060.72      | 60.72                 |
| Min.        | 9.00        | +20        | 5260018.15      | 18.15                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,500,000,000 Hz |
| CHANNEL:             | 100              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5500014.94      | 14.94                 |
| 100%        |             | -30        | 5500080.66      | 80.66                 |
| 100%        |             | -20        | 5500055.97      | 55.97                 |
| 100%        |             | -10        | 5500002.92      | 2.92                  |
| 100%        |             | 0          | 5500069.96      | 69.96                 |
| 100%        |             | +10        | 5500023.19      | 23.19                 |
| 100%        |             | +30        | 5500021.64      | 21.64                 |
| 100%        |             | +40        | 5500043.49      | 43.49                 |
| 100%        |             | +50        | 5500080.42      | 80.42                 |
| Max.        | 16.00       | +20        | 5500099.32      | 99.32                 |
| Min.        | 9.00        | +20        | 5500014.83      | 14.83                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,745,000,000 Hz  
 CHANNEL: 149  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5745096.21      | 96.21                 |
| 100%        |             | -30        | 5745066.26      | 66.26                 |
| 100%        |             | -20        | 5745055.48      | 55.48                 |
| 100%        |             | -10        | 5745025.34      | 25.34                 |
| 100%        |             | 0          | 5745051.29      | 51.29                 |
| 100%        |             | +10        | 5745083.06      | 83.06                 |
| 100%        |             | +30        | 5745016.21      | 16.21                 |
| 100%        |             | +40        | 5745040.63      | 40.63                 |
| 100%        |             | +50        | 5745003.87      | 3.87                  |
| Max.        | 16.00       | +20        | 5745078.94      | 78.94                 |
| Min.        | 9.00        | +20        | 5745062.10      | 62.1                  |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

**10 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,180,000,000 Hz  
 CHANNEL: 36  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5180016.22      | 16.22                 |
| 100%        |             | -30        | 5180020.02      | 20.02                 |
| 100%        |             | -20        | 5180029.51      | 29.51                 |
| 100%        |             | -10        | 5180040.34      | 40.34                 |
| 100%        |             | 0          | 5180069.29      | 69.29                 |
| 100%        |             | +10        | 5180063.74      | 63.74                 |
| 100%        |             | +30        | 5180013.43      | 13.43                 |
| 100%        |             | +40        | 5180029.81      | 29.81                 |
| 100%        |             | +50        | 5180068.96      | 68.96                 |
| Max.        | 16.00       | +20        | 5180017.43      | 17.43                 |
| Min.        | 9.00        | +20        | 5180065.91      | 65.91                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,260,000,000 Hz  
 CHANNEL: 52  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5260056.61      | 56.61                 |
| 100%        |             | -30        | 5260073.62      | 73.62                 |
| 100%        |             | -20        | 5260087.84      | 87.84                 |
| 100%        |             | -10        | 5260051.89      | 51.89                 |
| 100%        |             | 0          | 5260021.95      | 21.95                 |
| 100%        |             | +10        | 5260052.87      | 52.87                 |
| 100%        |             | +30        | 5260061.11      | 61.11                 |
| 100%        |             | +40        | 5260026.11      | 26.11                 |
| 100%        |             | +50        | 5260047.54      | 47.54                 |
| Max.        | 16.00       | +20        | 5260013.89      | 13.89                 |
| Min.        | 9.00        | +20        | 5260051.74      | 51.74                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,500,000,000 Hz |
| CHANNEL:             | 100              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5500035.23      | 35.23                 |
| 100%        |             | -30        | 5500008.90      | 8.90                  |
| 100%        |             | -20        | 5500080.88      | 80.88                 |
| 100%        |             | -10        | 5500061.18      | 61.18                 |
| 100%        |             | 0          | 5500097.97      | 97.97                 |
| 100%        |             | +10        | 5500073.89      | 73.89                 |
| 100%        |             | +30        | 5500031.96      | 31.96                 |
| 100%        |             | +40        | 5500055.53      | 55.53                 |
| 100%        |             | +50        | 5500097.76      | 97.76                 |
| Max.        | 16.00       | +20        | 5500086.22      | 86.22                 |
| Min.        | 9.00        | +20        | 5500011.59      | 11.59                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,745,000,000 Hz  
 CHANNEL: 149  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5745061.99      | 61.99                 |
| 100%        |             | -30        | 5745036.12      | 36.12                 |
| 100%        |             | -20        | 5745031.50      | 31.5                  |
| 100%        |             | -10        | 5745087.28      | 87.28                 |
| 100%        |             | 0          | 5745064.64      | 64.64                 |
| 100%        |             | +10        | 5745052.81      | 52.81                 |
| 100%        |             | +30        | 5745088.87      | 88.87                 |
| 100%        |             | +40        | 5745047.23      | 47.23                 |
| 100%        |             | +50        | 5745025.81      | 25.81                 |
| Max.        | 16.00       | +20        | 5745032.66      | 32.66                 |
| Min.        | 9.00        | +20        | 5745090.08      | 90.08                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

#### 40 MHz BW\_ Startup

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,190,000,000 Hz  
 CHANNEL: 38  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5190063.46      | 63.46                 |
| 100%        |             | -30        | 5190003.02      | 3.02                  |
| 100%        |             | -20        | 5190087.17      | 87.17                 |
| 100%        |             | -10        | 5190059.78      | 59.78                 |
| 100%        |             | 0          | 5190005.13      | 5.13                  |
| 100%        |             | +10        | 5190040.36      | 40.36                 |
| 100%        |             | +30        | 5190012.48      | 12.48                 |
| 100%        |             | +40        | 5190036.95      | 36.95                 |
| 100%        |             | +50        | 5190058.65      | 58.65                 |
| Max.        | 16.00       | +20        | 5190005.53      | 5.53                  |
| Min.        | 9.00        | +20        | 5190017.50      | 17.50                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,270,000,000 Hz  
 CHANNEL: 54  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5270065.95      | 65.95                 |
| 100%        |             | -30        | 5270073.94      | 73.94                 |
| 100%        |             | -20        | 5270052.57      | 52.57                 |
| 100%        |             | -10        | 5270076.06      | 76.06                 |
| 100%        |             | 0          | 5270060.79      | 60.79                 |
| 100%        |             | +10        | 5270033.04      | 33.04                 |
| 100%        |             | +30        | 5270093.46      | 93.46                 |
| 100%        |             | +40        | 5270056.96      | 56.96                 |
| 100%        |             | +50        | 5270008.76      | 8.76                  |
| Max.        | 16.00       | +20        | 5270071.13      | 71.13                 |
| Min.        | 9.00        | +20        | 5270083.14      | 83.14                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,510,000,000 Hz |
| CHANNEL:             | 102              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5510032.42      | 32.42                 |
| 100%        |             | -30        | 5510062.67      | 62.67                 |
| 100%        |             | -20        | 5510085.59      | 85.59                 |
| 100%        |             | -10        | 5510043.59      | 43.59                 |
| 100%        |             | 0          | 5510054.95      | 54.95                 |
| 100%        |             | +10        | 5510017.51      | 17.51                 |
| 100%        |             | +30        | 5510047.72      | 47.72                 |
| 100%        |             | +40        | 5510002.76      | 2.76                  |
| 100%        |             | +50        | 5510053.76      | 53.76                 |
| Max.        | 16.00       | +20        | 5510077.43      | 77.43                 |
| Min.        | 9.00        | +20        | 5510017.02      | 17.02                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,755,000,000 Hz  
 CHANNEL: 151  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5755093.02      | 93.02                 |
| 100%        |             | -30        | 5755054.12      | 54.12                 |
| 100%        |             | -20        | 5755050.33      | 50.33                 |
| 100%        |             | -10        | 5755020.58      | 20.58                 |
| 100%        |             | 0          | 5755079.93      | 79.93                 |
| 100%        |             | +10        | 5755029.92      | 29.92                 |
| 100%        |             | +30        | 5755011.08      | 11.08                 |
| 100%        |             | +40        | 5755046.42      | 46.42                 |
| 100%        |             | +50        | 5755075.56      | 75.56                 |
| Max.        | 16.00       | +20        | 5755041.12      | 41.12                 |
| Min.        | 9.00        | +20        | 5755018.57      | 18.57                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

## 2 minutes

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,190,000,000 Hz  
 CHANNEL: 38  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5190004.19      | 4.19                  |
| 100%        |             | -30        | 5190084.46      | 84.46                 |
| 100%        |             | -20        | 5190041.48      | 41.48                 |
| 100%        |             | -10        | 5190004.74      | 4.74                  |
| 100%        |             | 0          | 5190069.96      | 69.96                 |
| 100%        |             | +10        | 5190072.10      | 72.10                 |
| 100%        |             | +30        | 5190048.96      | 48.96                 |
| 100%        |             | +40        | 5190053.43      | 53.43                 |
| 100%        |             | +50        | 5190032.70      | 32.70                 |
| Max.        | 16.00       | +20        | 5190094.55      | 94.55                 |
| Min.        | 9.00        | +20        | 5190060.63      | 60.63                 |

## Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,270,000,000 Hz  
 CHANNEL: 54  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5270070.85      | 70.85                 |
| 100%        |             | -30        | 5270085.38      | 85.38                 |
| 100%        |             | -20        | 5270079.03      | 79.03                 |
| 100%        |             | -10        | 5270078.23      | 78.23                 |
| 100%        |             | 0          | 5270048.16      | 48.16                 |
| 100%        |             | +10        | 5270072.20      | 72.2                  |
| 100%        |             | +30        | 5270041.16      | 41.16                 |
| 100%        |             | +40        | 5270004.08      | 4.08                  |
| 100%        |             | +50        | 5270057.93      | 57.93                 |
| Max.        | 16.00       | +20        | 5270038.41      | 38.41                 |
| Min.        | 9.00        | +20        | 5270011.48      | 11.48                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,510,000,000 Hz |
| CHANNEL:             | 102              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5510004.32      | 4.32                  |
| 100%        |             | -30        | 5510043.72      | 43.72                 |
| 100%        |             | -20        | 5510086.51      | 86.51                 |
| 100%        |             | -10        | 5510099.03      | 99.03                 |
| 100%        |             | 0          | 5510024.44      | 24.44                 |
| 100%        |             | +10        | 5510061.62      | 61.62                 |
| 100%        |             | +30        | 5510004.31      | 4.31                  |
| 100%        |             | +40        | 5510053.05      | 53.05                 |
| 100%        |             | +50        | 5510077.07      | 77.07                 |
| Max.        | 16.00       | +20        | 5510013.50      | 13.50                 |
| Min.        | 9.00        | +20        | 5510030.95      | 30.95                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,755,000,000 Hz  
 CHANNEL: 151  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5755052.32      | 52.32                 |
| 100%        |             | -30        | 5755057.24      | 57.24                 |
| 100%        |             | -20        | 5755012.62      | 12.62                 |
| 100%        |             | -10        | 5755003.35      | 3.35                  |
| 100%        |             | 0          | 5755055.99      | 55.99                 |
| 100%        |             | +10        | 5755040.61      | 40.61                 |
| 100%        |             | +30        | 5755094.43      | 94.43                 |
| 100%        |             | +40        | 5755007.63      | 7.63                  |
| 100%        |             | +50        | 5755005.17      | 5.17                  |
| Max.        | 16.00       | +20        | 5755048.27      | 48.27                 |
| Min.        | 9.00        | +20        | 5755083.39      | 83.39                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

**5 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,190,000,000 Hz  
 CHANNEL: 38  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5190079.70      | 79.70                 |
| 100%        |             | -30        | 5190017.81      | 17.81                 |
| 100%        |             | -20        | 5190071.26      | 71.26                 |
| 100%        |             | -10        | 5190060.10      | 60.10                 |
| 100%        |             | 0          | 5190001.17      | 1.17                  |
| 100%        |             | +10        | 5190070.46      | 70.46                 |
| 100%        |             | +30        | 5190082.90      | 82.90                 |
| 100%        |             | +40        | 5190069.71      | 69.71                 |
| 100%        |             | +50        | 5190042.44      | 42.44                 |
| Max.        | 16.00       | +20        | 5190045.67      | 45.67                 |
| Min.        | 9.00        | +20        | 5190054.39      | 54.39                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,270,000,000 Hz  
 CHANNEL: 54  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5270066.88      | 66.88                 |
| 100%        |             | -30        | 5270046.52      | 46.52                 |
| 100%        |             | -20        | 5270001.55      | 1.55                  |
| 100%        |             | -10        | 5270059.38      | 59.38                 |
| 100%        |             | 0          | 5270075.05      | 75.05                 |
| 100%        |             | +10        | 5270053.67      | 53.67                 |
| 100%        |             | +30        | 5270035.18      | 35.18                 |
| 100%        |             | +40        | 5270072.22      | 72.22                 |
| 100%        |             | +50        | 5270042.30      | 42.30                 |
| Max.        | 16.00       | +20        | 5270013.99      | 13.99                 |
| Min.        | 9.00        | +20        | 5270021.29      | 21.29                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,510,000,000 Hz |
| CHANNEL:             | 102              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5510017.31      | 17.31                 |
| 100%        |             | -30        | 5510026.82      | 26.82                 |
| 100%        |             | -20        | 5510034.43      | 34.43                 |
| 100%        |             | -10        | 5510082.85      | 82.85                 |
| 100%        |             | 0          | 5510086.69      | 86.69                 |
| 100%        |             | +10        | 5510018.20      | 18.2                  |
| 100%        |             | +30        | 5510059.26      | 59.26                 |
| 100%        |             | +40        | 5510040.92      | 40.92                 |
| 100%        |             | +50        | 5510032.77      | 32.77                 |
| Max.        | 16.00       | +20        | 5510020.29      | 20.29                 |
| Min.        | 9.00        | +20        | 5510086.91      | 86.91                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,755,000,000 Hz  
 CHANNEL: 151  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5755083.31      | 83.31                 |
| 100%        |             | -30        | 5755066.19      | 66.19                 |
| 100%        |             | -20        | 5755043.17      | 43.17                 |
| 100%        |             | -10        | 5755059.94      | 59.94                 |
| 100%        |             | 0          | 5755017.25      | 17.25                 |
| 100%        |             | +10        | 5755093.96      | 93.96                 |
| 100%        |             | +30        | 5755050.59      | 50.59                 |
| 100%        |             | +40        | 5755090.18      | 90.18                 |
| 100%        |             | +50        | 5755073.52      | 73.52                 |
| Max.        | 16.00       | +20        | 5755080.46      | 80.46                 |
| Min.        | 9.00        | +20        | 5755044.08      | 44.08                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

**10 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,190,000,000 Hz  
 CHANNEL: 38  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5190045.67      | 45.67                 |
| 100%        |             | -30        | 5190008.74      | 8.74                  |
| 100%        |             | -20        | 5190071.38      | 71.38                 |
| 100%        |             | -10        | 5190025.75      | 25.75                 |
| 100%        |             | 0          | 5190059.38      | 59.38                 |
| 100%        |             | +10        | 5190039.51      | 39.51                 |
| 100%        |             | +30        | 5190038.34      | 38.34                 |
| 100%        |             | +40        | 5190019.66      | 19.66                 |
| 100%        |             | +50        | 5190010.38      | 10.38                 |
| Max.        | 16.00       | +20        | 5190004.29      | 4.29                  |
| Min.        | 9.00        | +20        | 5190049.30      | 49.30                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,270,000,000 Hz  
 CHANNEL: 54  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5270085.42      | 85.42                 |
| 100%        |             | -30        | 5270081.73      | 81.73                 |
| 100%        |             | -20        | 5270036.16      | 36.16                 |
| 100%        |             | -10        | 5270032.53      | 32.53                 |
| 100%        |             | 0          | 5270049.64      | 49.64                 |
| 100%        |             | +10        | 5270035.08      | 35.08                 |
| 100%        |             | +30        | 5270089.88      | 89.88                 |
| 100%        |             | +40        | 5270016.40      | 16.4                  |
| 100%        |             | +50        | 5270080.46      | 80.46                 |
| Max.        | 16.00       | +20        | 5270006.10      | 6.10                  |
| Min.        | 9.00        | +20        | 5270022.44      | 22.44                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,510,000,000 Hz |
| CHANNEL:             | 102              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5510071.26      | 71.26                 |
| 100%        |             | -30        | 5510018.69      | 18.69                 |
| 100%        |             | -20        | 5510010.56      | 10.56                 |
| 100%        |             | -10        | 5510077.74      | 77.74                 |
| 100%        |             | 0          | 5510047.80      | 47.8                  |
| 100%        |             | +10        | 5510008.46      | 8.46                  |
| 100%        |             | +30        | 5510090.40      | 90.4                  |
| 100%        |             | +40        | 5510015.34      | 15.34                 |
| 100%        |             | +50        | 5510035.12      | 35.12                 |
| Max.        | 16.00       | +20        | 5510064.06      | 64.06                 |
| Min.        | 9.00        | +20        | 5510097.74      | 97.74                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,755,000,000 Hz  
 CHANNEL: 151  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5755010.02      | 10.02                 |
| 100%        |             | -30        | 5755020.08      | 20.08                 |
| 100%        |             | -20        | 5755092.77      | 92.77                 |
| 100%        |             | -10        | 5755090.69      | 90.69                 |
| 100%        |             | 0          | 5755048.88      | 48.88                 |
| 100%        |             | +10        | 5755079.11      | 79.11                 |
| 100%        |             | +30        | 5755025.58      | 25.58                 |
| 100%        |             | +40        | 5755041.56      | 41.56                 |
| 100%        |             | +50        | 5755050.80      | 50.80                 |
| Max.        | 16.00       | +20        | 5755066.91      | 66.91                 |
| Min.        | 9.00        | +20        | 5755039.95      | 39.95                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

### 80 MHz BW\_ Startup

OPERATING BAND: UNII Band 1  
OPERATING FREQUENCY: 5,210,000,000 Hz  
CHANNEL: 42  
REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5210036.36      | 36.36                 |
| 100%        |             | -30        | 5210018.27      | 18.27                 |
| 100%        |             | -20        | 5210028.78      | 28.78                 |
| 100%        |             | -10        | 5210074.05      | 74.05                 |
| 100%        |             | 0          | 5210054.36      | 54.36                 |
| 100%        |             | +10        | 5210008.48      | 8.48                  |
| 100%        |             | +30        | 5210067.68      | 67.68                 |
| 100%        |             | +40        | 5210061.04      | 61.04                 |
| 100%        |             | +50        | 5210017.30      | 17.30                 |
| Max.        | 16.00       | +20        | 5210026.89      | 26.89                 |
| Min.        | 9.00        | +20        | 5210092.12      | 92.12                 |

### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,290,000,000 Hz  
 CHANNEL: 58  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5290017.25      | 17.25                 |
| 100%        |             | -30        | 5290054.21      | 54.21                 |
| 100%        |             | -20        | 5290093.76      | 93.76                 |
| 100%        |             | -10        | 5290028.09      | 28.09                 |
| 100%        |             | 0          | 5290069.93      | 69.93                 |
| 100%        |             | +10        | 5290034.32      | 34.32                 |
| 100%        |             | +30        | 5290085.70      | 85.7                  |
| 100%        |             | +40        | 5290004.48      | 4.48                  |
| 100%        |             | +50        | 5290062.38      | 62.38                 |
| Max.        | 16.00       | +20        | 5290083.67      | 83.67                 |
| Min.        | 9.00        | +20        | 5290002.52      | 2.52                  |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,530,000,000 Hz

CHANNEL: 106

REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5530054.15      | 54.15                 |
| 100%        |             | -30        | 5530015.94      | 15.94                 |
| 100%        |             | -20        | 5530030.73      | 30.73                 |
| 100%        |             | -10        | 5530006.56      | 6.56                  |
| 100%        |             | 0          | 5530065.14      | 65.14                 |
| 100%        |             | +10        | 5530047.83      | 47.83                 |
| 100%        |             | +30        | 5530098.13      | 98.13                 |
| 100%        |             | +40        | 5530049.44      | 49.44                 |
| 100%        |             | +50        | 5530031.63      | 31.63                 |
| Max.        | 16.00       | +20        | 5530029.82      | 29.82                 |
| Min.        | 9.00        | +20        | 5530089.71      | 89.71                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,775,000,000 Hz  
 CHANNEL: 155  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5775071.21      | 71.21                 |
| 100%        |             | -30        | 5775035.70      | 35.70                 |
| 100%        |             | -20        | 5775021.22      | 21.22                 |
| 100%        |             | -10        | 5775084.40      | 84.4                  |
| 100%        |             | 0          | 5775071.38      | 71.38                 |
| 100%        |             | +10        | 5775051.86      | 51.86                 |
| 100%        |             | +30        | 5775091.91      | 91.91                 |
| 100%        |             | +40        | 5775019.85      | 19.85                 |
| 100%        |             | +50        | 5775039.37      | 39.37                 |
| Max.        | 16.00       | +20        | 5775007.49      | 7.49                  |
| Min.        | 9.00        | +20        | 5775030.70      | 30.7                  |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

## 2 minutes

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,210,000,000 Hz  
 CHANNEL: 42  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5210001.93      | 1.93                  |
| 100%        |             | -30        | 5210091.53      | 91.53                 |
| 100%        |             | -20        | 5210004.46      | 4.46                  |
| 100%        |             | -10        | 5210099.87      | 99.87                 |
| 100%        |             | 0          | 5210076.64      | 76.64                 |
| 100%        |             | +10        | 5210074.82      | 74.82                 |
| 100%        |             | +30        | 5210055.47      | 55.47                 |
| 100%        |             | +40        | 5210006.53      | 6.53                  |
| 100%        |             | +50        | 5210037.72      | 37.72                 |
| Max.        | 16.00       | +20        | 5210068.83      | 68.83                 |
| Min.        | 9.00        | +20        | 5210088.77      | 88.77                 |

## Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,290,000,000 Hz  
 CHANNEL: 58  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5290020.65      | 20.65                 |
| 100%        |             | -30        | 5290007.59      | 7.59                  |
| 100%        |             | -20        | 5290017.87      | 17.87                 |
| 100%        |             | -10        | 5290044.79      | 44.79                 |
| 100%        |             | 0          | 5290063.12      | 63.12                 |
| 100%        |             | +10        | 5290022.25      | 22.25                 |
| 100%        |             | +30        | 5290071.35      | 71.35                 |
| 100%        |             | +40        | 5290070.46      | 70.46                 |
| 100%        |             | +50        | 5290044.51      | 44.51                 |
| Max.        | 16.00       | +20        | 5290029.68      | 29.68                 |
| Min.        | 9.00        | +20        | 5290024.99      | 24.99                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,530,000,000 Hz |
| CHANNEL:             | 106              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5530095.02      | 95.02                 |
| 100%        |             | -30        | 5530037.34      | 37.34                 |
| 100%        |             | -20        | 5530067.49      | 67.49                 |
| 100%        |             | -10        | 5530069.92      | 69.92                 |
| 100%        |             | 0          | 5530092.99      | 92.99                 |
| 100%        |             | +10        | 5530096.78      | 96.78                 |
| 100%        |             | +30        | 5530089.46      | 89.46                 |
| 100%        |             | +40        | 5530095.42      | 95.42                 |
| 100%        |             | +50        | 5530077.25      | 77.25                 |
| Max.        | 16.00       | +20        | 5530019.31      | 19.31                 |
| Min.        | 9.00        | +20        | 5530072.45      | 72.45                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,775,000,000 Hz  
 CHANNEL: 155  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5775063.14      | 63.14                 |
| 100%        |             | -30        | 5775006.97      | 6.97                  |
| 100%        |             | -20        | 5775064.97      | 64.97                 |
| 100%        |             | -10        | 5775067.91      | 67.91                 |
| 100%        |             | 0          | 5775049.40      | 49.4                  |
| 100%        |             | +10        | 5775030.93      | 30.93                 |
| 100%        |             | +30        | 5775058.80      | 58.8                  |
| 100%        |             | +40        | 5775018.87      | 18.87                 |
| 100%        |             | +50        | 5775050.34      | 50.34                 |
| Max.        | 16.00       | +20        | 5775005.59      | 5.59                  |
| Min.        | 9.00        | +20        | 5775048.33      | 48.33                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

**5 minutes**

OPERATING BAND: UNII Band 1  
OPERATING FREQUENCY: 5,210,000,000 Hz  
CHANNEL: 42  
REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5210006.42      | 6.42                  |
| 100%        |             | -30        | 5210090.27      | 90.27                 |
| 100%        |             | -20        | 5210024.57      | 24.57                 |
| 100%        |             | -10        | 5210088.30      | 88.30                 |
| 100%        |             | 0          | 5210049.25      | 49.25                 |
| 100%        |             | +10        | 5210087.36      | 87.36                 |
| 100%        |             | +30        | 5210096.14      | 96.14                 |
| 100%        |             | +40        | 5210065.60      | 65.60                 |
| 100%        |             | +50        | 5210087.47      | 87.47                 |
| Max.        | 16.00       | +20        | 5210058.37      | 58.37                 |
| Min.        | 9.00        | +20        | 5210050.46      | 50.46                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,290,000,000 Hz  
 CHANNEL: 58  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5290041.70      | 41.70                 |
| 100%        |             | -30        | 5290010.39      | 10.39                 |
| 100%        |             | -20        | 5290092.67      | 92.67                 |
| 100%        |             | -10        | 5290050.74      | 50.74                 |
| 100%        |             | 0          | 5290073.93      | 73.93                 |
| 100%        |             | +10        | 5290014.45      | 14.45                 |
| 100%        |             | +30        | 5290008.03      | 8.03                  |
| 100%        |             | +40        | 5290033.77      | 33.77                 |
| 100%        |             | +50        | 5290097.85      | 97.85                 |
| Max.        | 16.00       | +20        | 5290028.93      | 28.93                 |
| Min.        | 9.00        | +20        | 5290033.87      | 33.87                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,530,000,000 Hz |
| CHANNEL:             | 106              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5530003.58      | 3.58                  |
| 100%        |             | -30        | 5530070.28      | 70.28                 |
| 100%        |             | -20        | 5530095.18      | 95.18                 |
| 100%        |             | -10        | 5530066.53      | 66.53                 |
| 100%        |             | 0          | 5530098.78      | 98.78                 |
| 100%        |             | +10        | 5530048.52      | 48.52                 |
| 100%        |             | +30        | 5530013.48      | 13.48                 |
| 100%        |             | +40        | 5530080.66      | 80.66                 |
| 100%        |             | +50        | 5530099.54      | 99.54                 |
| Max.        | 16.00       | +20        | 5530064.18      | 64.18                 |
| Min.        | 9.00        | +20        | 5530009.76      | 9.76                  |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,775,000,000 Hz  
 CHANNEL: 155  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5775054.77      | 54.77                 |
| 100%        |             | -30        | 5775077.65      | 77.65                 |
| 100%        |             | -20        | 5775029.37      | 29.37                 |
| 100%        |             | -10        | 5775055.83      | 55.83                 |
| 100%        |             | 0          | 5775079.65      | 79.65                 |
| 100%        |             | +10        | 5775023.48      | 23.48                 |
| 100%        |             | +30        | 5775021.95      | 21.95                 |
| 100%        |             | +40        | 5775095.78      | 95.78                 |
| 100%        |             | +50        | 5775006.25      | 6.25                  |
| Max.        | 16.00       | +20        | 5775092.47      | 92.47                 |
| Min.        | 9.00        | +20        | 5775023.02      | 23.02                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

**10 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,210,000,000 Hz  
 CHANNEL: 42  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5210090.09      | 90.09                 |
| 100%        |             | -30        | 5210022.22      | 22.22                 |
| 100%        |             | -20        | 5210076.18      | 76.18                 |
| 100%        |             | -10        | 5210035.62      | 35.62                 |
| 100%        |             | 0          | 5210085.63      | 85.63                 |
| 100%        |             | +10        | 5210039.75      | 39.75                 |
| 100%        |             | +30        | 5210003.20      | 3.20                  |
| 100%        |             | +40        | 5210024.02      | 24.02                 |
| 100%        |             | +50        | 5210068.46      | 68.46                 |
| Max.        | 16.00       | +20        | 5210057.20      | 57.20                 |
| Min.        | 9.00        | +20        | 5210044.51      | 44.51                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,290,000,000 Hz  
 CHANNEL: 58  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5290018.16      | 18.16                 |
| 100%        |             | -30        | 5290049.53      | 49.53                 |
| 100%        |             | -20        | 5290012.58      | 12.58                 |
| 100%        |             | -10        | 5290014.17      | 14.17                 |
| 100%        |             | 0          | 5290057.31      | 57.31                 |
| 100%        |             | +10        | 5290095.63      | 95.63                 |
| 100%        |             | +30        | 5290027.30      | 27.3                  |
| 100%        |             | +40        | 5290022.04      | 22.04                 |
| 100%        |             | +50        | 5290015.81      | 15.81                 |
| Max.        | 16.00       | +20        | 5290038.97      | 38.97                 |
| Min.        | 9.00        | +20        | 5290025.15      | 25.15                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,530,000,000 Hz |
| CHANNEL:             | 106              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5530055.82      | 55.82                 |
| 100%        |             | -30        | 5530040.92      | 40.92                 |
| 100%        |             | -20        | 5530025.02      | 25.02                 |
| 100%        |             | -10        | 5530052.83      | 52.83                 |
| 100%        |             | 0          | 5530041.99      | 41.99                 |
| 100%        |             | +10        | 5530010.57      | 10.57                 |
| 100%        |             | +30        | 5530076.63      | 76.63                 |
| 100%        |             | +40        | 5530079.53      | 79.53                 |
| 100%        |             | +50        | 5530008.33      | 8.33                  |
| Max.        | 16.00       | +20        | 5530074.37      | 74.37                 |
| Min.        | 9.00        | +20        | 5530061.09      | 61.09                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,775,000,000 Hz  
 CHANNEL: 155  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5775071.68      | 71.68                 |
| 100%        |             | -30        | 5775001.04      | 1.04                  |
| 100%        |             | -20        | 5775088.46      | 88.46                 |
| 100%        |             | -10        | 5775065.35      | 65.35                 |
| 100%        |             | 0          | 5775037.90      | 37.9                  |
| 100%        |             | +10        | 5775008.47      | 8.47                  |
| 100%        |             | +30        | 5775042.14      | 42.14                 |
| 100%        |             | +40        | 5775039.73      | 39.73                 |
| 100%        |             | +50        | 5775023.67      | 23.67                 |
| Max.        | 16.00       | +20        | 5775041.47      | 41.47                 |
| Min.        | 9.00        | +20        | 5775068.47      | 68.47                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

# [External Ant]

## 20 MHz BW\_ Startup

OPERATING BAND: UNII Band 1  
OPERATING FREQUENCY: 5,180,000,000 Hz  
CHANNEL: 36  
REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5180036.35      | 36.35                 |
| 100%        |             | -30        | 5180039.86      | 39.86                 |
| 100%        |             | -20        | 5180089.38      | 89.38                 |
| 100%        |             | -10        | 5180068.03      | 68.03                 |
| 100%        |             | 0          | 5180017.55      | 17.55                 |
| 100%        |             | +10        | 5180064.75      | 64.75                 |
| 100%        |             | +30        | 5180037.08      | 37.08                 |
| 100%        |             | +40        | 5180019.60      | 19.60                 |
| 100%        |             | +50        | 5180006.80      | 6.80                  |
| Max.        | 16.00       | +20        | 5180043.17      | 43.17                 |
| Min.        | 9.00        | +20        | 5180029.61      | 29.61                 |

## Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,260,000,000 Hz  
 CHANNEL: 52  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5260062.26      | 62.26                 |
| 100%        |             | -30        | 5260086.58      | 86.58                 |
| 100%        |             | -20        | 5260092.03      | 92.03                 |
| 100%        |             | -10        | 5260014.12      | 14.12                 |
| 100%        |             | 0          | 5260041.99      | 41.99                 |
| 100%        |             | +10        | 5260022.36      | 22.36                 |
| 100%        |             | +30        | 5260009.26      | 9.26                  |
| 100%        |             | +40        | 5260023.30      | 23.3                  |
| 100%        |             | +50        | 5260006.48      | 6.48                  |
| Max.        | 16.00       | +20        | 5260028.82      | 28.82                 |
| Min.        | 9.00        | +20        | 5260026.27      | 26.27                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,500,000,000 Hz |
| CHANNEL:             | 100              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5500047.63      | 47.63                 |
| 100%        |             | -30        | 5500009.73      | 9.73                  |
| 100%        |             | -20        | 5500054.29      | 54.29                 |
| 100%        |             | -10        | 5500009.88      | 9.88                  |
| 100%        |             | 0          | 5500022.84      | 22.84                 |
| 100%        |             | +10        | 5500062.76      | 62.76                 |
| 100%        |             | +30        | 5500015.16      | 15.16                 |
| 100%        |             | +40        | 5500078.02      | 78.02                 |
| 100%        |             | +50        | 5500013.92      | 13.92                 |
| Max.        | 16.00       | +20        | 5500016.86      | 16.86                 |
| Min.        | 9.00        | +20        | 5500035.42      | 35.42                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 3      |
| OPERATING FREQUENCY: | 5,745,000,000 Hz |
| CHANNEL:             | 149              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5745095.97      | 95.97                 |
| 100%        |             | -30        | 5745052.35      | 52.35                 |
| 100%        |             | -20        | 5745081.57      | 81.57                 |
| 100%        |             | -10        | 5745023.62      | 23.62                 |
| 100%        |             | 0          | 5745084.88      | 84.88                 |
| 100%        |             | +10        | 5745023.90      | 23.9                  |
| 100%        |             | +30        | 5745067.92      | 67.92                 |
| 100%        |             | +40        | 5745081.97      | 81.97                 |
| 100%        |             | +50        | 5745088.29      | 88.29                 |
| Max.        | 16.00       | +20        | 5745064.32      | 64.32                 |
| Min.        | 9.00        | +20        | 5745009.74      | 9.74                  |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

## 2 minutes

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,180,000,000 Hz  
 CHANNEL: 36  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5180005.48      | 5.48                  |
| 100%        |             | -30        | 5180057.28      | 57.28                 |
| 100%        |             | -20        | 5180091.77      | 91.77                 |
| 100%        |             | -10        | 5180046.85      | 46.85                 |
| 100%        |             | 0          | 5180054.51      | 54.51                 |
| 100%        |             | +10        | 5180090.74      | 90.74                 |
| 100%        |             | +30        | 5180003.43      | 3.43                  |
| 100%        |             | +40        | 5180006.92      | 6.92                  |
| 100%        |             | +50        | 5180098.07      | 98.07                 |
| Max.        | 16.00       | +20        | 5180036.63      | 36.63                 |
| Min.        | 9.00        | +20        | 5180003.33      | 3.33                  |

## Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,260,000,000 Hz  
 CHANNEL: 52  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5260025.37      | 25.37                 |
| 100%        |             | -30        | 5260099.88      | 99.88                 |
| 100%        |             | -20        | 5260033.88      | 33.88                 |
| 100%        |             | -10        | 5260016.16      | 16.16                 |
| 100%        |             | 0          | 5260092.81      | 92.81                 |
| 100%        |             | +10        | 5260095.09      | 95.09                 |
| 100%        |             | +30        | 5260003.65      | 3.65                  |
| 100%        |             | +40        | 5260028.04      | 28.04                 |
| 100%        |             | +50        | 5260047.73      | 47.73                 |
| Max.        | 16.00       | +20        | 5260061.39      | 61.39                 |
| Min.        | 9.00        | +20        | 5260086.93      | 86.93                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,500,000,000 Hz |
| CHANNEL:             | 100              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5500040.43      | 40.43                 |
| 100%        |             | -30        | 5500071.87      | 71.87                 |
| 100%        |             | -20        | 5500008.63      | 8.63                  |
| 100%        |             | -10        | 5500048.19      | 48.19                 |
| 100%        |             | 0          | 5500037.39      | 37.39                 |
| 100%        |             | +10        | 5500030.95      | 30.95                 |
| 100%        |             | +30        | 5500061.81      | 61.81                 |
| 100%        |             | +40        | 5500076.58      | 76.58                 |
| 100%        |             | +50        | 5500034.47      | 34.47                 |
| Max.        | 16.00       | +20        | 5500048.56      | 48.56                 |
| Min.        | 9.00        | +20        | 5500045.98      | 45.98                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,745,000,000 Hz  
 CHANNEL: 149  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5745091.96      | 91.96                 |
| 100%        |             | -30        | 5745035.59      | 35.59                 |
| 100%        |             | -20        | 5745089.18      | 89.18                 |
| 100%        |             | -10        | 5745002.12      | 2.12                  |
| 100%        |             | 0          | 5745067.64      | 67.64                 |
| 100%        |             | +10        | 5745064.71      | 64.71                 |
| 100%        |             | +30        | 5745019.65      | 19.65                 |
| 100%        |             | +40        | 5745046.06      | 46.06                 |
| 100%        |             | +50        | 5745024.85      | 24.85                 |
| Max.        | 16.00       | +20        | 5745075.70      | 75.70                 |
| Min.        | 9.00        | +20        | 5745016.53      | 16.53                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

**5 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,180,000,000 Hz  
 CHANNEL: 36  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5180071.11      | 71.11                 |
| 100%        |             | -30        | 5180099.49      | 99.49                 |
| 100%        |             | -20        | 5180064.57      | 64.57                 |
| 100%        |             | -10        | 5180098.36      | 98.36                 |
| 100%        |             | 0          | 5180079.40      | 79.40                 |
| 100%        |             | +10        | 5180036.76      | 36.76                 |
| 100%        |             | +30        | 5180083.98      | 83.98                 |
| 100%        |             | +40        | 5180046.22      | 46.22                 |
| 100%        |             | +50        | 5180012.02      | 12.02                 |
| Max.        | 16.00       | +20        | 5180052.65      | 52.65                 |
| Min.        | 9.00        | +20        | 5180077.52      | 77.52                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,260,000,000 Hz  
 CHANNEL: 52  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5260030.83      | 30.83                 |
| 100%        |             | -30        | 5260045.64      | 45.64                 |
| 100%        |             | -20        | 5260078.66      | 78.66                 |
| 100%        |             | -10        | 5260074.15      | 74.15                 |
| 100%        |             | 0          | 5260065.88      | 65.88                 |
| 100%        |             | +10        | 5260011.52      | 11.52                 |
| 100%        |             | +30        | 5260006.79      | 6.79                  |
| 100%        |             | +40        | 5260064.23      | 64.23                 |
| 100%        |             | +50        | 5260078.84      | 78.84                 |
| Max.        | 16.00       | +20        | 5260068.33      | 68.33                 |
| Min.        | 9.00        | +20        | 5260072.90      | 72.9                  |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,500,000,000 Hz |
| CHANNEL:             | 100              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5500068.95      | 68.95                 |
| 100%        |             | -30        | 5500063.85      | 63.85                 |
| 100%        |             | -20        | 5500017.71      | 17.71                 |
| 100%        |             | -10        | 5500015.43      | 15.43                 |
| 100%        |             | 0          | 5500095.17      | 95.17                 |
| 100%        |             | +10        | 5500055.15      | 55.15                 |
| 100%        |             | +30        | 5500009.34      | 9.34                  |
| 100%        |             | +40        | 5500031.19      | 31.19                 |
| 100%        |             | +50        | 5500054.25      | 54.25                 |
| Max.        | 16.00       | +20        | 5500045.58      | 45.58                 |
| Min.        | 9.00        | +20        | 5500051.53      | 51.53                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,745,000,000 Hz  
 CHANNEL: 149  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5745033.19      | 33.19                 |
| 100%        |             | -30        | 5745003.73      | 3.73                  |
| 100%        |             | -20        | 5745030.20      | 30.2                  |
| 100%        |             | -10        | 5745074.28      | 74.28                 |
| 100%        |             | 0          | 5745063.40      | 63.4                  |
| 100%        |             | +10        | 5745084.41      | 84.41                 |
| 100%        |             | +30        | 5745078.52      | 78.52                 |
| 100%        |             | +40        | 5745040.55      | 40.55                 |
| 100%        |             | +50        | 5745051.87      | 51.87                 |
| Max.        | 16.00       | +20        | 5745031.14      | 31.14                 |
| Min.        | 9.00        | +20        | 5745082.79      | 82.79                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

**10 minutes**

OPERATING BAND: UNII Band 1  
OPERATING FREQUENCY: 5,180,000,000 Hz  
CHANNEL: 36  
REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5180022.65      | 22.65                 |
| 100%        |             | -30        | 5180030.94      | 30.94                 |
| 100%        |             | -20        | 5180066.87      | 66.87                 |
| 100%        |             | -10        | 5180016.89      | 16.89                 |
| 100%        |             | 0          | 5180034.02      | 34.02                 |
| 100%        |             | +10        | 5180018.04      | 18.04                 |
| 100%        |             | +30        | 5180097.22      | 97.22                 |
| 100%        |             | +40        | 5180065.05      | 65.05                 |
| 100%        |             | +50        | 5180019.26      | 19.26                 |
| Max.        | 16.00       | +20        | 5180076.91      | 76.91                 |
| Min.        | 9.00        | +20        | 5180053.38      | 53.38                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2A     |
| OPERATING FREQUENCY: | 5,260,000,000 Hz |
| CHANNEL:             | 52               |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5260017.65      | 17.65                 |
| 100%        |             | -30        | 5260006.07      | 6.07                  |
| 100%        |             | -20        | 5260046.92      | 46.92                 |
| 100%        |             | -10        | 5260078.57      | 78.57                 |
| 100%        |             | 0          | 5260047.53      | 47.53                 |
| 100%        |             | +10        | 5260008.53      | 8.53                  |
| 100%        |             | +30        | 5260074.16      | 74.16                 |
| 100%        |             | +40        | 5260001.03      | 1.03                  |
| 100%        |             | +50        | 5260074.52      | 74.52                 |
| Max.        | 16.00       | +20        | 5260087.97      | 87.97                 |
| Min.        | 9.00        | +20        | 5260006.41      | 6.41                  |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,500,000,000 Hz |
| CHANNEL:             | 100              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5500069.79      | 69.79                 |
| 100%        |             | -30        | 5500053.34      | 53.34                 |
| 100%        |             | -20        | 5500089.11      | 89.11                 |
| 100%        |             | -10        | 5500079.36      | 79.36                 |
| 100%        |             | 0          | 5500082.35      | 82.35                 |
| 100%        |             | +10        | 5500069.96      | 69.96                 |
| 100%        |             | +30        | 5500082.62      | 82.62                 |
| 100%        |             | +40        | 5500035.31      | 35.31                 |
| 100%        |             | +50        | 5500071.87      | 71.87                 |
| Max.        | 16.00       | +20        | 5500092.80      | 92.80                 |
| Min.        | 9.00        | +20        | 5500055.60      | 55.6                  |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,745,000,000 Hz  
 CHANNEL: 149  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5745004.57      | 4.57                  |
| 100%        |             | -30        | 5745052.92      | 52.92                 |
| 100%        |             | -20        | 5745027.87      | 27.87                 |
| 100%        |             | -10        | 5745051.49      | 51.49                 |
| 100%        |             | 0          | 5745077.12      | 77.12                 |
| 100%        |             | +10        | 5745080.87      | 80.87                 |
| 100%        |             | +30        | 5745086.32      | 86.32                 |
| 100%        |             | +40        | 5745074.56      | 74.56                 |
| 100%        |             | +50        | 5745090.84      | 90.84                 |
| Max.        | 16.00       | +20        | 5745058.99      | 58.99                 |
| Min.        | 9.00        | +20        | 5745050.98      | 50.98                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

#### 40 MHz BW\_ Startup

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,190,000,000 Hz  
 CHANNEL: 38  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5190051.42      | 51.42                 |
| 100%        |             | -30        | 5190082.35      | 82.35                 |
| 100%        |             | -20        | 5190019.55      | 19.55                 |
| 100%        |             | -10        | 5190001.51      | 1.51                  |
| 100%        |             | 0          | 5190018.41      | 18.41                 |
| 100%        |             | +10        | 5190076.84      | 76.84                 |
| 100%        |             | +30        | 5190041.83      | 41.83                 |
| 100%        |             | +40        | 5190060.30      | 60.30                 |
| 100%        |             | +50        | 5190038.69      | 38.69                 |
| Max.        | 16.00       | +20        | 5190041.99      | 41.99                 |
| Min.        | 9.00        | +20        | 5190046.80      | 46.80                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,270,000,000 Hz  
 CHANNEL: 54  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5270003.61      | 3.61                  |
| 100%        |             | -30        | 5270070.41      | 70.41                 |
| 100%        |             | -20        | 5270025.98      | 25.98                 |
| 100%        |             | -10        | 5270042.44      | 42.44                 |
| 100%        |             | 0          | 5270076.62      | 76.62                 |
| 100%        |             | +10        | 5270031.90      | 31.9                  |
| 100%        |             | +30        | 5270079.44      | 79.44                 |
| 100%        |             | +40        | 5270093.53      | 93.53                 |
| 100%        |             | +50        | 5270068.42      | 68.42                 |
| Max.        | 16.00       | +20        | 5270052.80      | 52.80                 |
| Min.        | 9.00        | +20        | 5270061.27      | 61.27                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,510,000,000 Hz |
| CHANNEL:             | 102              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5510029.28      | 29.28                 |
| 100%        |             | -30        | 5510069.57      | 69.57                 |
| 100%        |             | -20        | 5510080.97      | 80.97                 |
| 100%        |             | -10        | 5510095.55      | 95.55                 |
| 100%        |             | 0          | 5510058.65      | 58.65                 |
| 100%        |             | +10        | 5510033.95      | 33.95                 |
| 100%        |             | +30        | 5510038.19      | 38.19                 |
| 100%        |             | +40        | 5510085.67      | 85.67                 |
| 100%        |             | +50        | 5510012.56      | 12.56                 |
| Max.        | 16.00       | +20        | 5510044.87      | 44.87                 |
| Min.        | 9.00        | +20        | 5510062.54      | 62.54                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,755,000,000 Hz  
 CHANNEL: 151  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5755039.83      | 39.83                 |
| 100%        |             | -30        | 5755046.53      | 46.53                 |
| 100%        |             | -20        | 5755072.62      | 72.62                 |
| 100%        |             | -10        | 5755016.91      | 16.91                 |
| 100%        |             | 0          | 5755036.67      | 36.67                 |
| 100%        |             | +10        | 5755056.31      | 56.31                 |
| 100%        |             | +30        | 5755019.33      | 19.33                 |
| 100%        |             | +40        | 5755086.95      | 86.95                 |
| 100%        |             | +50        | 5755026.81      | 26.81                 |
| Max.        | 16.00       | +20        | 5755058.69      | 58.69                 |
| Min.        | 9.00        | +20        | 5755025.61      | 25.61                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

**2 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,190,000,000 Hz  
 CHANNEL: 38  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5190068.06      | 68.06                 |
| 100%        |             | -30        | 5190043.40      | 43.40                 |
| 100%        |             | -20        | 5190025.49      | 25.49                 |
| 100%        |             | -10        | 5190033.62      | 33.62                 |
| 100%        |             | 0          | 5190023.36      | 23.36                 |
| 100%        |             | +10        | 5190047.34      | 47.34                 |
| 100%        |             | +30        | 5190069.26      | 69.26                 |
| 100%        |             | +40        | 5190022.66      | 22.66                 |
| 100%        |             | +50        | 5190032.32      | 32.32                 |
| Max.        | 16.00       | +20        | 5190067.77      | 67.77                 |
| Min.        | 9.00        | +20        | 5190098.73      | 98.73                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,270,000,000 Hz  
 CHANNEL: 54  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5270071.65      | 71.65                 |
| 100%        |             | -30        | 5270065.31      | 65.31                 |
| 100%        |             | -20        | 5270099.44      | 99.44                 |
| 100%        |             | -10        | 5270028.13      | 28.13                 |
| 100%        |             | 0          | 5270072.45      | 72.45                 |
| 100%        |             | +10        | 5270033.32      | 33.32                 |
| 100%        |             | +30        | 5270022.58      | 22.58                 |
| 100%        |             | +40        | 5270007.70      | 7.7                   |
| 100%        |             | +50        | 5270083.96      | 83.96                 |
| Max.        | 16.00       | +20        | 5270079.03      | 79.03                 |
| Min.        | 9.00        | +20        | 5270063.83      | 63.83                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,510,000,000 Hz |
| CHANNEL:             | 102              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5510037.36      | 37.36                 |
| 100%        |             | -30        | 5510041.90      | 41.90                 |
| 100%        |             | -20        | 5510087.68      | 87.68                 |
| 100%        |             | -10        | 5510023.83      | 23.83                 |
| 100%        |             | 0          | 5510082.63      | 82.63                 |
| 100%        |             | +10        | 5510082.42      | 82.42                 |
| 100%        |             | +30        | 5510064.22      | 64.22                 |
| 100%        |             | +40        | 5510024.69      | 24.69                 |
| 100%        |             | +50        | 5510098.36      | 98.36                 |
| Max.        | 16.00       | +20        | 5510091.43      | 91.43                 |
| Min.        | 9.00        | +20        | 5510033.52      | 33.52                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,755,000,000 Hz  
 CHANNEL: 151  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5755065.98      | 65.98                 |
| 100%        |             | -30        | 5755038.22      | 38.22                 |
| 100%        |             | -20        | 5755007.19      | 7.19                  |
| 100%        |             | -10        | 5755084.37      | 84.37                 |
| 100%        |             | 0          | 5755035.11      | 35.11                 |
| 100%        |             | +10        | 5755061.58      | 61.58                 |
| 100%        |             | +30        | 5755077.69      | 77.69                 |
| 100%        |             | +40        | 5755098.58      | 98.58                 |
| 100%        |             | +50        | 5755099.11      | 99.11                 |
| Max.        | 16.00       | +20        | 5755053.29      | 53.29                 |
| Min.        | 9.00        | +20        | 5755004.20      | 4.2                   |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

**5 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,190,000,000 Hz  
 CHANNEL: 38  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5190064.53      | 64.53                 |
| 100%        |             | -30        | 5190047.19      | 47.19                 |
| 100%        |             | -20        | 5190072.34      | 72.34                 |
| 100%        |             | -10        | 5190022.05      | 22.05                 |
| 100%        |             | 0          | 5190047.92      | 47.92                 |
| 100%        |             | +10        | 5190082.87      | 82.87                 |
| 100%        |             | +30        | 5190042.57      | 42.57                 |
| 100%        |             | +40        | 5190079.17      | 79.17                 |
| 100%        |             | +50        | 5190078.99      | 78.99                 |
| Max.        | 16.00       | +20        | 5190012.60      | 12.60                 |
| Min.        | 9.00        | +20        | 5190024.57      | 24.57                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,270,000,000 Hz  
 CHANNEL: 54  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5270096.83      | 96.83                 |
| 100%        |             | -30        | 5270056.77      | 56.77                 |
| 100%        |             | -20        | 5270093.58      | 93.58                 |
| 100%        |             | -10        | 5270002.73      | 2.73                  |
| 100%        |             | 0          | 5270040.55      | 40.55                 |
| 100%        |             | +10        | 5270036.43      | 36.43                 |
| 100%        |             | +30        | 5270002.50      | 2.5                   |
| 100%        |             | +40        | 5270046.22      | 46.22                 |
| 100%        |             | +50        | 5270051.57      | 51.57                 |
| Max.        | 16.00       | +20        | 5270032.83      | 32.83                 |
| Min.        | 9.00        | +20        | 5270092.23      | 92.23                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,510,000,000 Hz |
| CHANNEL:             | 102              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5510099.95      | 99.95                 |
| 100%        |             | -30        | 5510041.10      | 41.10                 |
| 100%        |             | -20        | 5510075.56      | 75.56                 |
| 100%        |             | -10        | 5510023.56      | 23.56                 |
| 100%        |             | 0          | 5510025.56      | 25.56                 |
| 100%        |             | +10        | 5510020.85      | 20.85                 |
| 100%        |             | +30        | 5510090.82      | 90.82                 |
| 100%        |             | +40        | 5510079.65      | 79.65                 |
| 100%        |             | +50        | 5510096.51      | 96.51                 |
| Max.        | 16.00       | +20        | 5510058.24      | 58.24                 |
| Min.        | 9.00        | +20        | 5510071.85      | 71.85                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 3      |
| OPERATING FREQUENCY: | 5,755,000,000 Hz |
| CHANNEL:             | 151              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5755046.41      | 46.41                 |
| 100%        |             | -30        | 5755045.93      | 45.93                 |
| 100%        |             | -20        | 5755048.57      | 48.57                 |
| 100%        |             | -10        | 5755057.11      | 57.11                 |
| 100%        |             | 0          | 5755025.64      | 25.64                 |
| 100%        |             | +10        | 5755092.90      | 92.9                  |
| 100%        |             | +30        | 5755029.82      | 29.82                 |
| 100%        |             | +40        | 5755046.08      | 46.08                 |
| 100%        |             | +50        | 5755062.09      | 62.09                 |
| Max.        | 16.00       | +20        | 5755072.02      | 72.02                 |
| Min.        | 9.00        | +20        | 5755012.21      | 12.21                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

**10 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,190,000,000 Hz  
 CHANNEL: 38  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5190047.86      | 47.86                 |
| 100%        |             | -30        | 5190080.06      | 80.06                 |
| 100%        |             | -20        | 5190090.57      | 90.57                 |
| 100%        |             | -10        | 5190041.19      | 41.19                 |
| 100%        |             | 0          | 5190062.11      | 62.11                 |
| 100%        |             | +10        | 5190088.62      | 88.62                 |
| 100%        |             | +30        | 5190082.58      | 82.58                 |
| 100%        |             | +40        | 5190071.22      | 71.22                 |
| 100%        |             | +50        | 5190028.95      | 28.95                 |
| Max.        | 16.00       | +20        | 5190089.05      | 89.05                 |
| Min.        | 9.00        | +20        | 5190007.44      | 7.44                  |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,270,000,000 Hz  
 CHANNEL: 54  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5270045.03      | 45.03                 |
| 100%        |             | -30        | 5270051.03      | 51.03                 |
| 100%        |             | -20        | 5270068.96      | 68.96                 |
| 100%        |             | -10        | 5270026.75      | 26.75                 |
| 100%        |             | 0          | 5270019.34      | 19.34                 |
| 100%        |             | +10        | 5270034.17      | 34.17                 |
| 100%        |             | +30        | 5270063.75      | 63.75                 |
| 100%        |             | +40        | 5270028.33      | 28.33                 |
| 100%        |             | +50        | 5270040.43      | 40.43                 |
| Max.        | 16.00       | +20        | 5270075.13      | 75.13                 |
| Min.        | 9.00        | +20        | 5270071.44      | 71.44                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,510,000,000 Hz |
| CHANNEL:             | 102              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5510051.96      | 51.96                 |
| 100%        |             | -30        | 5510010.65      | 10.65                 |
| 100%        |             | -20        | 5510023.71      | 23.71                 |
| 100%        |             | -10        | 5510060.85      | 60.85                 |
| 100%        |             | 0          | 5510022.75      | 22.75                 |
| 100%        |             | +10        | 5510022.53      | 22.53                 |
| 100%        |             | +30        | 5510058.76      | 58.76                 |
| 100%        |             | +40        | 5510006.54      | 6.54                  |
| 100%        |             | +50        | 5510051.83      | 51.83                 |
| Max.        | 16.00       | +20        | 5510041.76      | 41.76                 |
| Min.        | 9.00        | +20        | 5510010.05      | 10.05                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,755,000,000 Hz  
 CHANNEL: 151  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5755048.63      | 48.63                 |
| 100%        |             | -30        | 5755020.68      | 20.68                 |
| 100%        |             | -20        | 5755068.97      | 68.97                 |
| 100%        |             | -10        | 5755082.56      | 82.56                 |
| 100%        |             | 0          | 5755080.78      | 80.78                 |
| 100%        |             | +10        | 5755033.02      | 33.02                 |
| 100%        |             | +30        | 5755043.82      | 43.82                 |
| 100%        |             | +40        | 5755015.40      | 15.4                  |
| 100%        |             | +50        | 5755018.45      | 18.45                 |
| Max.        | 16.00       | +20        | 5755088.05      | 88.05                 |
| Min.        | 9.00        | +20        | 5755057.88      | 57.88                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

### 80 MHz BW\_ Startup

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,210,000,000 Hz

CHANNEL: 42

REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5210012.29      | 12.29                 |
| 100%        |             | -30        | 5210019.99      | 19.99                 |
| 100%        |             | -20        | 5210015.92      | 15.92                 |
| 100%        |             | -10        | 5210048.35      | 48.35                 |
| 100%        |             | 0          | 5210035.43      | 35.43                 |
| 100%        |             | +10        | 5210082.67      | 82.67                 |
| 100%        |             | +30        | 5210085.91      | 85.91                 |
| 100%        |             | +40        | 5210023.85      | 23.85                 |
| 100%        |             | +50        | 5210020.92      | 20.92                 |
| Max.        | 16.00       | +20        | 5210032.47      | 32.47                 |
| Min.        | 9.00        | +20        | 5210016.25      | 16.25                 |

### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,290,000,000 Hz  
 CHANNEL: 58  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5290032.56      | 32.56                 |
| 100%        |             | -30        | 5290085.50      | 85.50                 |
| 100%        |             | -20        | 5290072.04      | 72.04                 |
| 100%        |             | -10        | 5290006.37      | 6.37                  |
| 100%        |             | 0          | 5290077.53      | 77.53                 |
| 100%        |             | +10        | 5290079.59      | 79.59                 |
| 100%        |             | +30        | 5290066.31      | 66.31                 |
| 100%        |             | +40        | 5290025.97      | 25.97                 |
| 100%        |             | +50        | 5290028.11      | 28.11                 |
| Max.        | 16.00       | +20        | 5290092.57      | 92.57                 |
| Min.        | 9.00        | +20        | 5290095.62      | 95.62                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,530,000,000 Hz |
| CHANNEL:             | 106              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5530023.32      | 23.32                 |
| 100%        |             | -30        | 5530098.21      | 98.21                 |
| 100%        |             | -20        | 5530084.66      | 84.66                 |
| 100%        |             | -10        | 5530023.19      | 23.19                 |
| 100%        |             | 0          | 5530015.97      | 15.97                 |
| 100%        |             | +10        | 5530055.66      | 55.66                 |
| 100%        |             | +30        | 5530011.79      | 11.79                 |
| 100%        |             | +40        | 5530038.02      | 38.02                 |
| 100%        |             | +50        | 5530036.82      | 36.82                 |
| Max.        | 16.00       | +20        | 5530047.73      | 47.73                 |
| Min.        | 9.00        | +20        | 5530075.97      | 75.97                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,775,000,000 Hz  
 CHANNEL: 155  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5775094.81      | 94.81                 |
| 100%        |             | -30        | 5775015.23      | 15.23                 |
| 100%        |             | -20        | 5775041.95      | 41.95                 |
| 100%        |             | -10        | 5775064.88      | 64.88                 |
| 100%        |             | 0          | 5775005.75      | 5.75                  |
| 100%        |             | +10        | 5775025.63      | 25.63                 |
| 100%        |             | +30        | 5775098.09      | 98.09                 |
| 100%        |             | +40        | 5775055.94      | 55.94                 |
| 100%        |             | +50        | 5775029.07      | 29.07                 |
| Max.        | 16.00       | +20        | 5775046.77      | 46.77                 |
| Min.        | 9.00        | +20        | 5775040.65      | 40.65                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

## 2 minutes

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,210,000,000 Hz  
 CHANNEL: 42  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5210067.42      | 67.42                 |
| 100%        |             | -30        | 5210081.92      | 81.92                 |
| 100%        |             | -20        | 5210024.53      | 24.53                 |
| 100%        |             | -10        | 5210027.03      | 27.03                 |
| 100%        |             | 0          | 5210012.89      | 12.89                 |
| 100%        |             | +10        | 5210065.76      | 65.76                 |
| 100%        |             | +30        | 5210013.26      | 13.26                 |
| 100%        |             | +40        | 5210026.98      | 26.98                 |
| 100%        |             | +50        | 5210085.80      | 85.80                 |
| Max.        | 16.00       | +20        | 5210013.04      | 13.04                 |
| Min.        | 9.00        | +20        | 5210077.71      | 77.71                 |

## Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,290,000,000 Hz  
 CHANNEL: 58  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5290081.56      | 81.56                 |
| 100%        |             | -30        | 5290052.74      | 52.74                 |
| 100%        |             | -20        | 5290078.54      | 78.54                 |
| 100%        |             | -10        | 5290082.31      | 82.31                 |
| 100%        |             | 0          | 5290020.56      | 20.56                 |
| 100%        |             | +10        | 5290004.85      | 4.85                  |
| 100%        |             | +30        | 5290026.70      | 26.7                  |
| 100%        |             | +40        | 5290098.18      | 98.18                 |
| 100%        |             | +50        | 5290032.71      | 32.71                 |
| Max.        | 16.00       | +20        | 5290038.92      | 38.92                 |
| Min.        | 9.00        | +20        | 5290099.64      | 99.64                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,530,000,000 Hz

CHANNEL: 106

REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5530033.16      | 33.16                 |
| 100%        |             | -30        | 5530024.06      | 24.06                 |
| 100%        |             | -20        | 5530047.44      | 47.44                 |
| 100%        |             | -10        | 5530010.46      | 10.46                 |
| 100%        |             | 0          | 5530013.67      | 13.67                 |
| 100%        |             | +10        | 5530044.17      | 44.17                 |
| 100%        |             | +30        | 5530076.42      | 76.42                 |
| 100%        |             | +40        | 5530071.76      | 71.76                 |
| 100%        |             | +50        | 5530090.90      | 90.90                 |
| Max.        | 16.00       | +20        | 5530017.28      | 17.28                 |
| Min.        | 9.00        | +20        | 5530011.89      | 11.89                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 3      |
| OPERATING FREQUENCY: | 5,775,000,000 Hz |
| CHANNEL:             | 155              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5775021.89      | 21.89                 |
| 100%        |             | -30        | 5775058.02      | 58.02                 |
| 100%        |             | -20        | 5775030.54      | 30.54                 |
| 100%        |             | -10        | 5775005.47      | 5.47                  |
| 100%        |             | 0          | 5775021.42      | 21.42                 |
| 100%        |             | +10        | 5775095.46      | 95.46                 |
| 100%        |             | +30        | 5775069.55      | 69.55                 |
| 100%        |             | +40        | 5775080.15      | 80.15                 |
| 100%        |             | +50        | 5775045.33      | 45.33                 |
| Max.        | 16.00       | +20        | 5775003.61      | 3.61                  |
| Min.        | 9.00        | +20        | 5775042.81      | 42.81                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

**5 minutes**

OPERATING BAND: UNII Band 1  
OPERATING FREQUENCY: 5,210,000,000 Hz  
CHANNEL: 42  
REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5210056.91      | 56.91                 |
| 100%        |             | -30        | 5210036.38      | 36.38                 |
| 100%        |             | -20        | 5210001.47      | 1.47                  |
| 100%        |             | -10        | 5210021.50      | 21.50                 |
| 100%        |             | 0          | 5210077.33      | 77.33                 |
| 100%        |             | +10        | 5210043.10      | 43.10                 |
| 100%        |             | +30        | 5210040.13      | 40.13                 |
| 100%        |             | +40        | 5210025.16      | 25.16                 |
| 100%        |             | +50        | 5210062.07      | 62.07                 |
| Max.        | 16.00       | +20        | 5210023.91      | 23.91                 |
| Min.        | 9.00        | +20        | 5210060.21      | 60.21                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,290,000,000 Hz  
 CHANNEL: 58  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5290044.10      | 44.10                 |
| 100%        |             | -30        | 5290036.66      | 36.66                 |
| 100%        |             | -20        | 5290044.17      | 44.17                 |
| 100%        |             | -10        | 5290091.76      | 91.76                 |
| 100%        |             | 0          | 5290049.13      | 49.13                 |
| 100%        |             | +10        | 5290079.78      | 79.78                 |
| 100%        |             | +30        | 5290031.87      | 31.87                 |
| 100%        |             | +40        | 5290040.22      | 40.22                 |
| 100%        |             | +50        | 5290083.40      | 83.40                 |
| Max.        | 16.00       | +20        | 5290002.53      | 2.53                  |
| Min.        | 9.00        | +20        | 5290017.48      | 17.48                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,530,000,000 Hz |
| CHANNEL:             | 106              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5530014.20      | 14.20                 |
| 100%        |             | -30        | 5530076.87      | 76.87                 |
| 100%        |             | -20        | 5530023.68      | 23.68                 |
| 100%        |             | -10        | 5530052.47      | 52.47                 |
| 100%        |             | 0          | 5530016.41      | 16.41                 |
| 100%        |             | +10        | 5530099.37      | 99.37                 |
| 100%        |             | +30        | 5530069.28      | 69.28                 |
| 100%        |             | +40        | 5530004.73      | 4.73                  |
| 100%        |             | +50        | 5530082.34      | 82.34                 |
| Max.        | 16.00       | +20        | 5530006.28      | 6.28                  |
| Min.        | 9.00        | +20        | 5530030.17      | 30.17                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,775,000,000 Hz  
 CHANNEL: 155  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5775063.38      | 63.38                 |
| 100%        |             | -30        | 5775076.53      | 76.53                 |
| 100%        |             | -20        | 5775075.56      | 75.56                 |
| 100%        |             | -10        | 5775028.28      | 28.28                 |
| 100%        |             | 0          | 5775073.34      | 73.34                 |
| 100%        |             | +10        | 5775071.91      | 71.91                 |
| 100%        |             | +30        | 5775002.60      | 2.6                   |
| 100%        |             | +40        | 5775047.31      | 47.31                 |
| 100%        |             | +50        | 5775033.54      | 33.54                 |
| Max.        | 16.00       | +20        | 5775005.59      | 5.59                  |
| Min.        | 9.00        | +20        | 5775042.74      | 42.74                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

**10 minutes**

OPERATING BAND: UNII Band 1  
 OPERATING FREQUENCY: 5,210,000,000 Hz  
 CHANNEL: 42  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5210044.78      | 44.78                 |
| 100%        |             | -30        | 5210072.79      | 72.79                 |
| 100%        |             | -20        | 5210046.41      | 46.41                 |
| 100%        |             | -10        | 5210020.62      | 20.62                 |
| 100%        |             | 0          | 5210097.80      | 97.80                 |
| 100%        |             | +10        | 5210072.17      | 72.17                 |
| 100%        |             | +30        | 5210089.74      | 89.74                 |
| 100%        |             | +40        | 5210053.88      | 53.88                 |
| 100%        |             | +50        | 5210024.17      | 24.17                 |
| Max.        | 16.00       | +20        | 5210060.70      | 60.70                 |
| Min.        | 9.00        | +20        | 5210054.76      | 54.76                 |

**Note:**

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A  
 OPERATING FREQUENCY: 5,290,000,000 Hz  
 CHANNEL: 58  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5290066.71      | 66.71                 |
| 100%        |             | -30        | 5290071.55      | 71.55                 |
| 100%        |             | -20        | 5290039.83      | 39.83                 |
| 100%        |             | -10        | 5290026.81      | 26.81                 |
| 100%        |             | 0          | 5290088.30      | 88.3                  |
| 100%        |             | +10        | 5290096.86      | 96.86                 |
| 100%        |             | +30        | 5290090.20      | 90.2                  |
| 100%        |             | +40        | 5290005.81      | 5.81                  |
| 100%        |             | +50        | 5290032.55      | 32.55                 |
| Max.        | 16.00       | +20        | 5290042.11      | 42.11                 |
| Min.        | 9.00        | +20        | 5290046.95      | 46.95                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

|                      |                  |
|----------------------|------------------|
| OPERATING BAND:      | UNII Band 2C     |
| OPERATING FREQUENCY: | 5,530,000,000 Hz |
| CHANNEL:             | 106              |
| REFERENCE VOLTAGE:   | 12.0 VDC         |

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5530086.54      | 86.54                 |
| 100%        |             | -30        | 5530064.90      | 64.90                 |
| 100%        |             | -20        | 5530097.52      | 97.52                 |
| 100%        |             | -10        | 5530002.28      | 2.28                  |
| 100%        |             | 0          | 5530053.58      | 53.58                 |
| 100%        |             | +10        | 5530045.88      | 45.88                 |
| 100%        |             | +30        | 5530088.77      | 88.77                 |
| 100%        |             | +40        | 5530003.60      | 3.6                   |
| 100%        |             | +50        | 5530011.33      | 11.33                 |
| Max.        | 16.00       | +20        | 5530024.15      | 24.15                 |
| Min.        | 9.00        | +20        | 5530029.74      | 29.74                 |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3  
 OPERATING FREQUENCY: 5,775,000,000 Hz  
 CHANNEL: 155  
 REFERENCE VOLTAGE: 12.0 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100%        | 12.00       | +20(Ref)   | 5775059.85      | 59.85                 |
| 100%        |             | -30        | 5775097.07      | 97.07                 |
| 100%        |             | -20        | 5775084.33      | 84.33                 |
| 100%        |             | -10        | 5775010.98      | 10.98                 |
| 100%        |             | 0          | 5775034.61      | 34.61                 |
| 100%        |             | +10        | 5775006.04      | 6.04                  |
| 100%        |             | +30        | 5775095.99      | 95.99                 |
| 100%        |             | +40        | 5775055.78      | 55.78                 |
| 100%        |             | +50        | 5775037.73      | 37.73                 |
| Max.        | 16.00       | +20        | 5775003.51      | 3.51                  |
| Min.        | 9.00        | +20        | 5775086.90      | 86.9                  |

#### Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

## 10.7 RADIATED MEASUREMENT

### 10.7.1 RADIATED SPURIOUS EMISSIONS.

Test Requirements and limit, §15.205, §15.209, §15.407

| Frequency (MHz) | Field Strength (uV/m) | Measurement Distance (m) |
|-----------------|-----------------------|--------------------------|
| 0.009 – 0.490   | 2400/F(kHz)           | 300                      |
| 0.490 – 1.705   | 24000/F(kHz)          | 30                       |
| 1.705 – 30      | 30                    | 30                       |
| 30-88           | 100                   | 3                        |
| 88-216          | 150                   | 3                        |
| 216-960         | 200                   | 3                        |
| Above 960       | 500                   | 3                        |

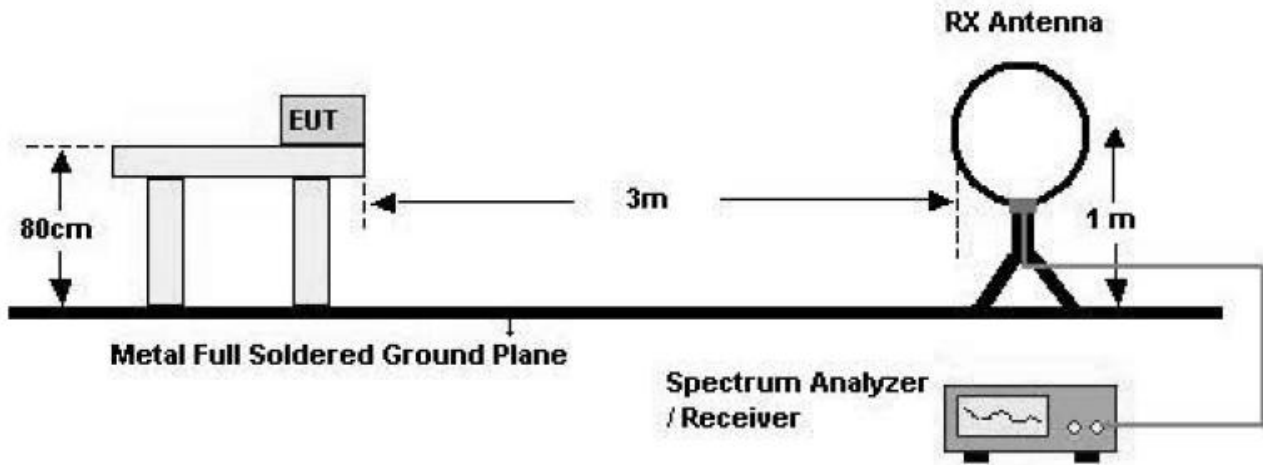
#### ■ §15.407,RSS-247, KDB 789033 D02

All harmonics that do not lie in a restricted band are subject to a peak limit of -27 dBm/MHz. At a distance of 3 meters the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2 dB to the EIRP limit of -27 dBm/MHz to obtain the limit for out of band spurious emissions of 68.2 dBμV/m.

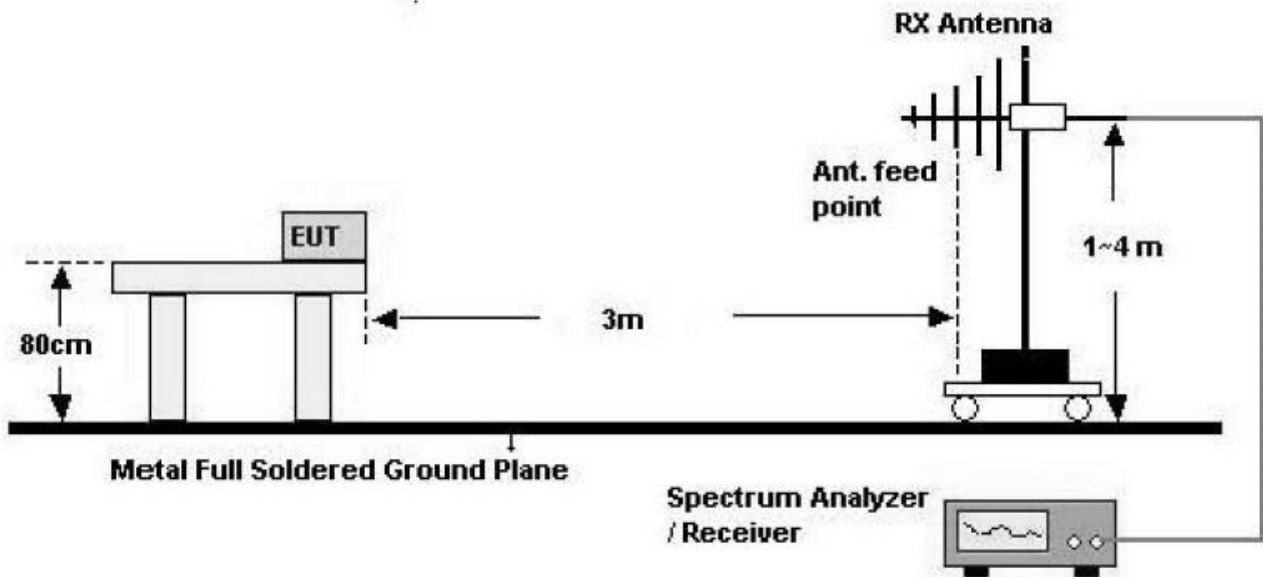
Especially, for transmitter operating in the 5725 Mhz – 5850 MHz : All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

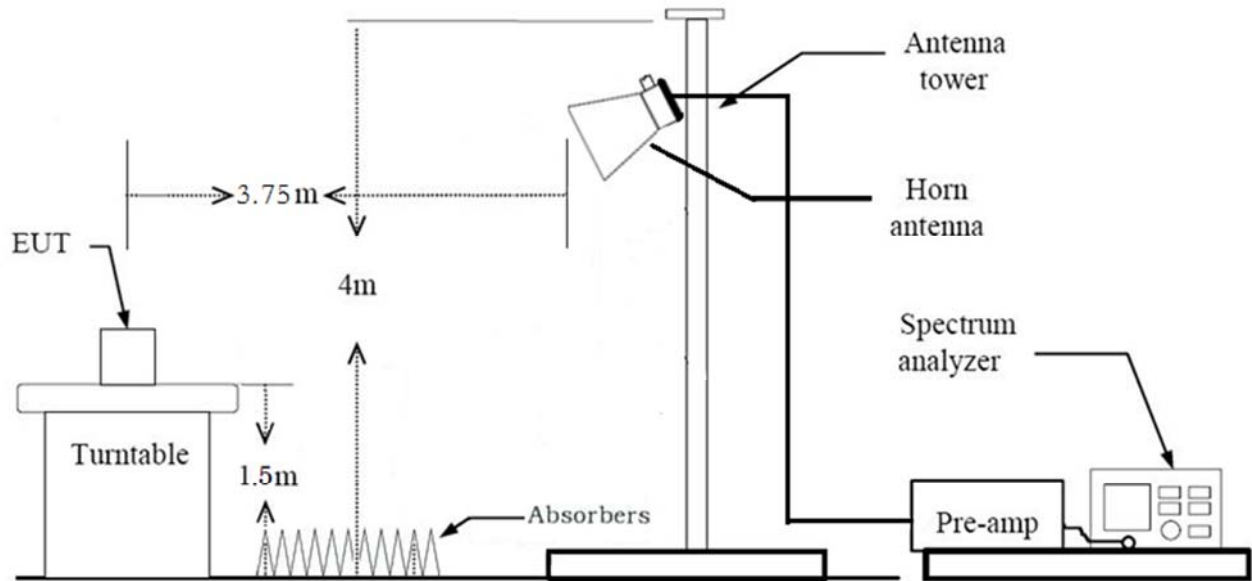
## Test Configuration

### Below 30 MHz



### 30 MHz - 1 GHz



**Above 1 GHz****TEST PROCEDURE USED**

ANSI C63.10:2013

Method G)5) in KDB 789033 D02 v02r01 (Peak)

Method G)6)d) in KDB 789033 D02 v02r01 (Average)

**. Spectrum setting:**

- Peak.

1. RBW = 1 MHz

2. VBW  $\geq$  3 MHz

3. Detector = Peak

4. Sweep Time = auto

5. Trace mode = max hold

6. Allow sweeps to continue until the trace stabilizes.

7. Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately  $1/x$ , where  $x$  is the duty cycle.

- Average ( Method VB :Averaging using reduced video bandwidth)

1. RBW = 1 MHz

2. VBW

2.1. If the EUT is configured to transmit with duty cycle  $\geq 98$  percent, set  $VBW \leq RBW/100$ (i.e., 10 kHz) but not less than 10 Hz.

2.2. If the EUT duty cycle is  $< 98$  percent, set  $VBW \geq 1/T$ , where T is the minimum transmission duration.

3. The analyzer is set to linear detector mode.

4. Detector = Peak.

5. Sweep time = auto.

6. Trace mode = max hold.

7. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98 percent duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of  $1/x$ , where x is the duty cycle.

**Note :**

1. We used the Method VB for 802.11a/n\_HT20, n\_HT40, ac\_VHT20, 40, 80 mode to perform the average filed strength measurements.

2. The actual setting value of VBW for 802.11a/n\_HT20, n\_HT40, ac\_VHT20, 40, 80

3. According to SVSWR requirement in ANSI 63.4-2014, We performed the radiated test at 3.75 m distance from center of turn table. So, we applied the distance factor( reference distance : 3 m).

4. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

**[Internal Ant]**

| Mode            | Worst Data rate<br>(Mbps) | T <sub>on</sub><br>(ms) | T <sub>total</sub><br>(ms) | Duty Cycle<br>(%) | VBW(1/T)<br>(Hz) | The actual<br>setting<br>value of<br>VBW<br>(Hz) |
|-----------------|---------------------------|-------------------------|----------------------------|-------------------|------------------|--------------------------------------------------|
| <b>a</b>        | <b>6</b>                  | <b>2.063</b>            | <b>2.167</b>               | <b>0.95200007</b> | <b>485</b>       | <b>1000</b>                                      |
| <b>n_HT20</b>   | <b>MCS 0</b>              | <b>1.919</b>            | <b>2.021</b>               | <b>0.94970140</b> | <b>521</b>       | <b>1000</b>                                      |
| <b>ac_VHT20</b> | <b>MCS 0</b>              | <b>1.936</b>            | <b>2.033</b>               | <b>0.95199992</b> | <b>517</b>       | <b>1000</b>                                      |
| <b>n_HT40</b>   | <b>MCS 0</b>              | <b>0.943</b>            | <b>1.045</b>               | <b>0.90238868</b> | <b>1061</b>      | <b>3000</b>                                      |
| <b>ac_VHT40</b> | <b>MCS 0</b>              | <b>0.951</b>            | <b>1.054</b>               | <b>0.90283147</b> | <b>1051</b>      | <b>3000</b>                                      |
| <b>ac_VHT80</b> | <b>MCS 0</b>              | <b>0.460</b>            | <b>0.561</b>               | <b>0.81996435</b> | <b>2174</b>      | <b>3000</b>                                      |

**[External Ant]**

| Mode            | Worst Data rate<br>(Mbps) | T <sub>on</sub><br>(ms) | T <sub>total</sub><br>(ms) | Duty Cycle<br>(%) | VBW(1/T)<br>(Hz) | The actual<br>setting<br>value of<br>VBW<br>(Hz) |
|-----------------|---------------------------|-------------------------|----------------------------|-------------------|------------------|--------------------------------------------------|
| <b>a</b>        | <b>6</b>                  | <b>2.062</b>            | <b>2.163</b>               | <b>0.95300605</b> | <b>485</b>       | <b>1000</b>                                      |
| <b>n_HT20</b>   | <b>MCS 0</b>              | <b>1.920</b>            | <b>2.024</b>               | <b>0.94860822</b> | <b>521</b>       | <b>1000</b>                                      |
| <b>ac_VHT20</b> | <b>MCS 0</b>              | <b>1.936</b>            | <b>2.033</b>               | <b>0.95199992</b> | <b>517</b>       | <b>1000</b>                                      |
| <b>n_HT40</b>   | <b>MCS 0</b>              | <b>0.945</b>            | <b>1.046</b>               | <b>0.90322837</b> | <b>1059</b>      | <b>3000</b>                                      |
| <b>ac_VHT40</b> | <b>MCS 0</b>              | <b>0.953</b>            | <b>1.054</b>               | <b>0.90392125</b> | <b>1050</b>      | <b>3000</b>                                      |
| <b>ac_VHT80</b> | <b>MCS 0</b>              | <b>0.460</b>            | <b>0.561</b>               | <b>0.82020143</b> | <b>2173</b>      | <b>3000</b>                                      |

**TEST RESULTS****9 kHz – 30MHz****Operation Mode:** Normal Mode

| Frequency               | Reading    | Ant. factor | Cable loss | Ant. POL | Total        | Limit        | Margin |
|-------------------------|------------|-------------|------------|----------|--------------|--------------|--------|
| MHz                     | dB $\mu$ V | dB /m       | dB         | (H/V)    | dB $\mu$ V/m | dB $\mu$ V/m | dB     |
| No Critical peaks found |            |             |            |          |              |              |        |

**Notes:**

1. Measuring frequencies from 9 kHz to the 30MHz.
2. The reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
3. Distance extrapolation factor = 40 log (specific distance / test distance) (dB)
4. Limit line = specific Limits (dBuV) + Distance extrapolation factor
5. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. The test results for below 30 MHz is correlated to an open site.  
The result on OATS is about 2 dB higher than semi-anechoic chamber (10 m chamber)

**TEST RESULTS****Below 1 GHz****Operation Mode:** Normal Mode

| Frequency               | Reading                   | Ant. factor | Cable loss | Ant. POL | Total                              | Limit                              | Margin |
|-------------------------|---------------------------|-------------|------------|----------|------------------------------------|------------------------------------|--------|
| MHz                     | $\text{dB}_{\mu\text{V}}$ | dB /m       | dB         | (H/V)    | $\text{dB}_{\mu\text{V}}/\text{m}$ | $\text{dB}_{\mu\text{V}}/\text{m}$ | dB     |
| No Critical peaks found |                           |             |            |          |                                    |                                    |        |

**Notes:**

1. Measuring frequencies from 30 MHz to the 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode.
3. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

## Above 1 GHz

### [Internal Ant]

|                     |          |
|---------------------|----------|
| Band :              | UNII 1   |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5180 MHz |
| Channel No.         | 36 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10360              | 59.31           | 4.47                          | V                 | 63.78             | 68.20             | 4.42           | PK                  |
| 15540              | 65.66           | 1.80                          | V                 | 67.46             | 73.98             | 6.52           | PK                  |
| 15540              | 48.79           | 1.80                          | V                 | 50.59             | 53.98             | 3.39           | AV                  |
| 10360              | 58.65           | 4.47                          | H                 | 63.12             | 68.20             | 5.08           | PK                  |
| 15540              | 64.79           | 1.80                          | H                 | 66.59             | 73.98             | 7.39           | PK                  |
| 15540              | 48.51           | 1.80                          | H                 | 50.31             | 53.98             | 3.67           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |          |
|---------------------|----------|
| Band :              | UNII 1   |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5200 MHz |
| Channel No.         | 40 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10400              | 60.31           | 3.22                          | V                 | 63.53             | 68.20             | 4.67           | PK                  |
| 15600              | 66.31           | 1.06                          | V                 | 67.37             | 73.98             | 6.61           | PK                  |
| 15600              | 49.24           | 1.06                          | V                 | 50.30             | 53.98             | 3.68           | AV                  |
| 10400              | 59.71           | 3.22                          | H                 | 62.93             | 68.20             | 5.27           | PK                  |
| 15600              | 65.72           | 1.06                          | H                 | 66.78             | 73.98             | 7.20           | PK                  |
| 15600              | 48.99           | 1.06                          | H                 | 50.05             | 53.98             | 3.93           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |          |
|---------------------|----------|
| Band :              | UNII 1   |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5240 MHz |
| Channel No.         | 48 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10480              | 60.24           | 3.53                          | V                 | 63.77             | 68.20             | 4.43           | PK                  |
| 15720              | 65.68           | 1.54                          | V                 | 67.22             | 73.98             | 6.76           | PK                  |
| 15720              | 49.15           | 1.54                          | V                 | 50.69             | 53.98             | 3.29           | AV                  |
| 10480              | 59.75           | 3.53                          | H                 | 63.28             | 68.20             | 4.92           | PK                  |
| 15720              | 64.87           | 1.54                          | H                 | 66.41             | 73.98             | 7.57           | PK                  |
| 15720              | 49.04           | 1.54                          | H                 | 50.58             | 53.98             | 3.40           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 1        |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5180 MHz      |
| Channel No.         | 36 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10360              | 58.95           | 4.47                          | V                 | 63.42             | 68.20             | 4.78           | PK                  |
| 15540              | 66.92           | 1.80                          | V                 | 68.72             | 73.98             | 5.26           | PK                  |
| 15540              | 48.45           | 1.80                          | V                 | 50.25             | 53.98             | 3.73           | AV                  |
| 10360              | 58.67           | 4.47                          | H                 | 63.14             | 68.20             | 5.06           | PK                  |
| 15540              | 65.93           | 1.80                          | H                 | 67.73             | 73.98             | 6.25           | PK                  |
| 15540              | 48.32           | 1.80                          | H                 | 50.12             | 53.98             | 3.86           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 1        |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5200 MHz      |
| Channel No.         | 40 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10400              | 60.12           | 3.22                          | V                 | 63.34             | 68.20             | 4.86           | PK                  |
| 15600              | 66.55           | 1.06                          | V                 | 67.61             | 73.98             | 6.37           | PK                  |
| 15600              | 48.77           | 1.06                          | V                 | 49.83             | 53.98             | 4.15           | AV                  |
| 10400              | 60.06           | 3.22                          | H                 | 63.28             | 68.20             | 4.92           | PK                  |
| 15600              | 65.89           | 1.06                          | H                 | 66.95             | 73.98             | 7.03           | PK                  |
| 15600              | 48.68           | 1.06                          | H                 | 49.74             | 53.98             | 4.24           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 1        |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5240 MHz      |
| Channel No.         | 48 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10480              | 60.17           | 3.53                          | V                 | 63.70             | 68.20             | 4.50           | PK                  |
| 15720              | 66.50           | 1.54                          | V                 | 68.04             | 73.98             | 5.94           | PK                  |
| 15720              | 48.96           | 1.54                          | V                 | 50.50             | 53.98             | 3.48           | AV                  |
| 10480              | 59.89           | 3.53                          | H                 | 63.42             | 68.20             | 4.78           | PK                  |
| 15720              | 65.79           | 1.54                          | H                 | 67.33             | 73.98             | 6.65           | PK                  |
| 15720              | 48.83           | 1.54                          | H                 | 50.37             | 53.98             | 3.61           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 1          |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5180 MHz        |
| Channel No.         | 36 Ch           |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10360              | 58.84           | 4.47                          | V                 | 63.31             | 68.20             | 4.89           | PK                  |
| 15540              | 66.40           | 1.80                          | V                 | 68.20             | 73.98             | 5.78           | PK                  |
| 15540              | 48.15           | 1.80                          | V                 | 49.95             | 53.98             | 4.03           | AV                  |
| 10360              | 58.65           | 4.47                          | H                 | 63.12             | 68.20             | 5.08           | PK                  |
| 15540              | 66.23           | 1.80                          | H                 | 68.03             | 73.98             | 5.95           | PK                  |
| 15540              | 48.04           | 1.80                          | H                 | 49.84             | 53.98             | 4.14           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 1          |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5200 MHz        |
| Channel No.         | 40 Ch           |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10400              | 59.78           | 3.22                          | V                 | 63.00             | 68.20             | 5.20           | PK                  |
| 15600              | 65.98           | 1.06                          | V                 | 67.04             | 73.98             | 6.94           | PK                  |
| 15600              | 49.19           | 1.06                          | V                 | 50.25             | 53.98             | 3.73           | AV                  |
| 10400              | 59.61           | 3.22                          | H                 | 62.83             | 68.20             | 5.37           | PK                  |
| 15600              | 65.48           | 1.06                          | H                 | 66.54             | 73.98             | 7.44           | PK                  |
| 15600              | 49.04           | 1.06                          | H                 | 50.10             | 53.98             | 3.88           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 1          |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5240 MHz        |
| Channel No.         | 48 Ch           |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10480              | 59.86           | 3.53                          | V                 | 63.39             | 68.20             | 4.81           | PK                  |
| 15720              | 66.19           | 1.54                          | V                 | 67.73             | 73.98             | 6.25           | PK                  |
| 15720              | 48.20           | 1.54                          | V                 | 49.74             | 53.98             | 4.24           | AV                  |
| 10480              | 59.72           | 3.53                          | H                 | 63.25             | 68.20             | 4.95           | PK                  |
| 15720              | 66.08           | 1.54                          | H                 | 67.62             | 73.98             | 6.36           | PK                  |
| 15720              | 48.11           | 1.54                          | H                 | 49.65             | 53.98             | 4.33           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |              |
|---------------------|--------------|
| Band :              | UNII 1       |
| Operation Mode:     | 802.11n_HT40 |
| Operating Frequency | 5190 MHz     |
| Channel No.         | 38 Ch        |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10380              | 58.23           | 2.88                          | V                 | 61.11             | 68.20             | 7.09           | PK                  |
| 15570              | 64.19           | 1.57                          | V                 | 65.76             | 73.98             | 8.22           | PK                  |
| 15570              | 48.48           | 1.57                          | V                 | 50.05             | 53.98             | 3.93           | AV                  |
| 10380              | 58.13           | 2.88                          | H                 | 61.01             | 68.20             | 7.19           | PK                  |
| 15570              | 64.05           | 1.57                          | H                 | 65.62             | 73.98             | 8.36           | PK                  |
| 15570              | 48.13           | 1.57                          | H                 | 49.70             | 53.98             | 4.28           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |              |
|---------------------|--------------|
| Band :              | UNII 1       |
| Operation Mode:     | 802.11n_HT40 |
| Operating Frequency | 5230 MHz     |
| Channel No.         | 46 Ch        |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10460              | 59.12           | 3.56                          | V                 | 62.68             | 68.20             | 5.52           | PK                  |
| 15690              | 65.42           | 1.38                          | V                 | 66.80             | 73.98             | 7.18           | PK                  |
| 15690              | 48.34           | 1.38                          | V                 | 49.72             | 53.98             | 4.26           | AV                  |
| 10460              | 58.96           | 3.56                          | H                 | 62.52             | 68.20             | 5.68           | PK                  |
| 15690              | 64.98           | 1.38                          | H                 | 66.36             | 73.98             | 7.62           | PK                  |
| 15690              | 48.12           | 1.38                          | H                 | 49.50             | 53.98             | 4.48           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ac_VHT40 |
| Operating Frequency | 5190 MHz       |
| Channel No.         | 38 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10380              | 58.12           | 2.88                          | V                 | 61.00             | 68.20             | 7.20           | PK                  |
| 15570              | 65.25           | 1.57                          | V                 | 66.82             | 73.98             | 7.16           | PK                  |
| 15570              | 48.83           | 1.57                          | V                 | 50.40             | 53.98             | 3.58           | AV                  |
| 10380              | 57.96           | 2.88                          | H                 | 60.84             | 68.20             | 7.36           | PK                  |
| 15570              | 65.05           | 1.57                          | H                 | 66.62             | 73.98             | 7.36           | PK                  |
| 15570              | 48.14           | 1.57                          | H                 | 49.71             | 53.98             | 4.27           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ac_VHT40 |
| Operating Frequency | 5230 MHz       |
| Channel No.         | 46 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10460              | 58.47           | 3.56                          | V                 | 62.03             | 68.20             | 6.17           | PK                  |
| 15690              | 65.49           | 1.38                          | V                 | 66.87             | 73.98             | 7.11           | PK                  |
| 15690              | 48.95           | 1.38                          | V                 | 50.33             | 53.98             | 3.65           | AV                  |
| 10460              | 58.39           | 3.56                          | H                 | 61.95             | 68.20             | 6.25           | PK                  |
| 15690              | 65.26           | 1.38                          | H                 | 66.64             | 73.98             | 7.34           | PK                  |
| 15690              | 48.76           | 1.38                          | H                 | 50.14             | 53.98             | 3.84           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ac_VHT80 |
| Operating Frequency | 5210 MHz       |
| Channel No.         | 42 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10420              | 57.96           | 2.64                          | V                 | 60.60             | 68.20             | 7.60           | PK                  |
| 15630              | 62.20           | 1.84                          | V                 | 64.04             | 73.98             | 9.94           | PK                  |
| 15630              | 47.39           | 1.84                          | V                 | 49.23             | 53.98             | 4.75           | AV                  |
| 10420              | 57.71           | 2.64                          | H                 | 60.35             | 68.20             | 7.85           | PK                  |
| 15630              | 61.86           | 1.84                          | H                 | 63.70             | 73.98             | 10.28          | PK                  |
| 15630              | 47.26           | 1.84                          | H                 | 49.10             | 53.98             | 4.88           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT80. Worst case is MCS0 in 802.11ac\_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |          |
|---------------------|----------|
| Band :              | UNII 2A  |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5260 MHz |
| Channel No.         | 52 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10520              | 58.91           | 2.35                          | V                 | 61.26             | 68.20             | 6.94           | PK                  |
| 15780              | 63.84           | 2.07                          | V                 | 65.91             | 73.98             | 8.07           | PK                  |
| 15780              | 47.15           | 2.07                          | V                 | 49.22             | 53.98             | 4.76           | AV                  |
| 10520              | 58.71           | 2.35                          | H                 | 61.06             | 68.20             | 7.14           | PK                  |
| 15780              | 63.75           | 2.07                          | H                 | 65.82             | 73.98             | 8.16           | PK                  |
| 15780              | 47.03           | 2.07                          | H                 | 49.10             | 53.98             | 4.88           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |          |
|---------------------|----------|
| Band :              | UNII 2A  |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5300 MHz |
| Channel No.         | 60 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10600              | 58.53           | 3.16                          | V                 | 61.69             | 73.98             | 12.29          | PK                  |
| 10600              | 44.16           | 3.16                          | V                 | 47.32             | 53.98             | 6.66           | AV                  |
| 15900              | 64.44           | 1.23                          | V                 | 65.67             | 73.98             | 8.31           | PK                  |
| 15900              | 48.25           | 1.23                          | V                 | 49.48             | 53.98             | 4.50           | AV                  |
| 10600              | 58.12           | 3.16                          | H                 | 61.28             | 73.98             | 12.70          | PK                  |
| 10600              | 43.94           | 3.16                          | H                 | 47.10             | 53.98             | 6.88           | AV                  |
| 15900              | 63.98           | 1.23                          | H                 | 65.21             | 73.98             | 8.77           | PK                  |
| 15900              | 48.15           | 1.23                          | H                 | 49.38             | 53.98             | 4.60           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |          |
|---------------------|----------|
| Band :              | UNII 2A  |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5320 MHz |
| Channel No.         | 64 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10640              | 57.51           | 3.07                          | V                 | 60.58             | 73.98             | 13.40          | PK                  |
| 10640              | 43.26           | 3.07                          | V                 | 46.33             | 53.98             | 7.65           | AV                  |
| 15960              | 63.74           | 2.06                          | V                 | 65.80             | 73.98             | 8.18           | PK                  |
| 15960              | 47.81           | 2.06                          | V                 | 49.87             | 53.98             | 4.11           | AV                  |
| 10640              | 57.15           | 3.07                          | H                 | 60.22             | 73.98             | 13.76          | PK                  |
| 10640              | 42.95           | 3.07                          | H                 | 46.02             | 53.98             | 7.96           | AV                  |
| 15960              | 63.54           | 2.06                          | H                 | 65.60             | 73.98             | 8.38           | PK                  |
| 15960              | 47.64           | 2.06                          | H                 | 49.70             | 53.98             | 4.28           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 2A       |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5260 MHz      |
| Channel No.         | 52 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10520              | 58.83           | 2.35                          | V                 | 61.18             | 68.20             | 7.02           | PK                  |
| 15780              | 65.58           | 2.07                          | V                 | 67.65             | 73.98             | 6.33           | PK                  |
| 15780              | 46.91           | 2.07                          | V                 | 48.98             | 53.98             | 5.00           | AV                  |
| 10520              | 57.99           | 2.35                          | H                 | 60.34             | 68.20             | 7.86           | PK                  |
| 15780              | 65.31           | 2.07                          | H                 | 67.38             | 73.98             | 6.60           | PK                  |
| 15780              | 46.48           | 2.07                          | H                 | 48.55             | 53.98             | 5.43           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 2A       |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5300 MHz      |
| Channel No.         | 60 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10600              | 58.39           | 3.16                          | V                 | 61.55             | 73.98             | 12.43          | PK                  |
| 10600              | 44.04           | 3.16                          | V                 | 47.20             | 53.98             | 6.78           | AV                  |
| 15900              | 66.57           | 1.23                          | V                 | 67.80             | 73.98             | 6.18           | PK                  |
| 15900              | 49.24           | 1.23                          | V                 | 50.47             | 53.98             | 3.51           | AV                  |
| 10600              | 58.16           | 3.16                          | H                 | 61.32             | 73.98             | 12.66          | PK                  |
| 10600              | 43.95           | 3.16                          | H                 | 47.11             | 53.98             | 6.87           | AV                  |
| 15900              | 66.43           | 1.23                          | H                 | 67.66             | 73.98             | 6.32           | PK                  |
| 15900              | 49.11           | 1.23                          | H                 | 50.34             | 53.98             | 3.64           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 2A       |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5320 MHz      |
| Channel No.         | 64 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10640              | 57.23           | 3.07                          | V                 | 60.30             | 73.98             | 13.68          | PK                  |
| 10640              | 43.11           | 3.07                          | V                 | 46.18             | 53.98             | 7.80           | AV                  |
| 15960              | 65.10           | 2.06                          | V                 | 67.16             | 73.98             | 6.82           | PK                  |
| 15960              | 48.11           | 2.06                          | V                 | 50.17             | 53.98             | 3.81           | AV                  |
| 10640              | 57.39           | 3.07                          | H                 | 60.46             | 73.98             | 13.52          | PK                  |
| 10640              | 42.56           | 3.07                          | H                 | 45.63             | 53.98             | 8.35           | AV                  |
| 15960              | 64.87           | 2.06                          | H                 | 66.93             | 73.98             | 7.05           | PK                  |
| 15960              | 47.86           | 2.06                          | H                 | 49.92             | 53.98             | 4.06           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 2A         |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5260MHz         |
| Channel No.         | 52 Ch           |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10520              | 58.71           | 2.35                          | V                 | 61.06             | 68.20             | 7.14           | PK                  |
| 15780              | 65.23           | 2.07                          | V                 | 67.30             | 73.98             | 6.68           | PK                  |
| 15780              | 48.34           | 2.07                          | V                 | 50.41             | 53.98             | 3.57           | AV                  |
| 10520              | 57.84           | 2.35                          | H                 | 60.19             | 68.20             | 8.01           | PK                  |
| 15780              | 65.24           | 2.07                          | H                 | 67.31             | 73.98             | 6.67           | PK                  |
| 15780              | 46.39           | 2.07                          | H                 | 48.46             | 53.98             | 5.52           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 2A         |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5300 MHz        |
| Channel No.         | 60 Ch           |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10600              | 58.24           | 3.16                          | V                 | 61.40             | 73.98             | 12.58          | PK                  |
| 10600              | 43.96           | 3.16                          | V                 | 47.12             | 53.98             | 6.86           | AV                  |
| 15900              | 65.47           | 1.23                          | V                 | 66.70             | 73.98             | 7.28           | PK                  |
| 15900              | 47.96           | 1.23                          | V                 | 49.19             | 53.98             | 4.79           | AV                  |
| 10600              | 57.99           | 3.16                          | H                 | 61.15             | 73.98             | 12.83          | PK                  |
| 10600              | 42.86           | 3.16                          | H                 | 46.02             | 53.98             | 7.96           | AV                  |
| 15900              | 64.73           | 1.23                          | H                 | 65.96             | 73.98             | 8.02           | PK                  |
| 15900              | 47.32           | 1.23                          | H                 | 48.55             | 53.98             | 5.43           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 2A         |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5320 MHz        |
| Channel No.         | 64 Ch           |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10640              | 57.14           | 3.07                          | V                 | 60.21             | 73.98             | 13.77          | PK                  |
| 10640              | 43.96           | 3.07                          | V                 | 47.03             | 53.98             | 6.95           | AV                  |
| 15960              | 64.65           | 2.06                          | V                 | 66.71             | 73.98             | 7.27           | PK                  |
| 15960              | 47.70           | 2.06                          | V                 | 49.76             | 53.98             | 4.22           | AV                  |
| 10640              | 57.04           | 3.07                          | H                 | 60.11             | 73.98             | 13.87          | PK                  |
| 10640              | 43.79           | 3.07                          | H                 | 46.86             | 53.98             | 7.12           | AV                  |
| 15960              | 64.39           | 2.06                          | H                 | 66.45             | 73.98             | 7.53           | PK                  |
| 15960              | 47.63           | 2.06                          | H                 | 49.69             | 53.98             | 4.29           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |              |
|---------------------|--------------|
| Band :              | UNII 2A      |
| Operation Mode:     | 802.11n_HT40 |
| Operating Frequency | 5270 MHz     |
| Channel No.         | 54 Ch        |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10540              | 58.43           | 3.85                          | V                 | 62.28             | 68.20             | 5.92           | PK                  |
| 15810              | 62.52           | 2.79                          | V                 | 65.31             | 73.98             | 8.67           | PK                  |
| 15810              | 46.67           | 2.79                          | V                 | 49.46             | 53.98             | 4.52           | AV                  |
| 10540              | 58.21           | 3.85                          | H                 | 62.06             | 68.20             | 6.14           | PK                  |
| 15810              | 62.23           | 2.79                          | H                 | 65.02             | 73.98             | 8.96           | PK                  |
| 15810              | 46.28           | 2.79                          | H                 | 49.07             | 53.98             | 4.91           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |              |
|---------------------|--------------|
| Band :              | UNII 2A      |
| Operation Mode:     | 802.11n_HT40 |
| Operating Frequency | 5310 MHz     |
| Channel No.         | 62 Ch        |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10620              | 57.23           | 2.96                          | V                 | 60.19             | 73.98             | 13.79          | PK                  |
| 10620              | 43.84           | 2.96                          | V                 | 46.80             | 53.98             | 7.18           | AV                  |
| 15930              | 64.62           | 1.43                          | V                 | 66.05             | 73.98             | 7.93           | PK                  |
| 15930              | 48.83           | 1.43                          | V                 | 50.26             | 53.98             | 3.72           | AV                  |
| 10620              | 57.12           | 2.96                          | H                 | 60.08             | 73.98             | 13.90          | PK                  |
| 10620              | 43.69           | 2.96                          | H                 | 46.65             | 53.98             | 7.33           | AV                  |
| 15930              | 64.53           | 1.43                          | H                 | 65.96             | 73.98             | 8.02           | PK                  |
| 15930              | 48.73           | 1.43                          | H                 | 50.16             | 53.98             | 3.82           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ac_VHT40 |
| Operating Frequency | 5270 MHz       |
| Channel No.         | 54 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10540              | 58.12           | 3.85                          | V                 | 61.97             | 68.20             | 6.23           | PK                  |
| 15810              | 62.52           | 2.79                          | V                 | 65.31             | 73.98             | 8.67           | PK                  |
| 15810              | 46.97           | 2.79                          | V                 | 49.76             | 53.98             | 4.22           | AV                  |
| 10540              | 58.05           | 3.85                          | H                 | 61.90             | 68.20             | 6.30           | PK                  |
| 15810              | 62.33           | 2.79                          | H                 | 65.12             | 73.98             | 8.86           | PK                  |
| 15810              | 46.89           | 2.79                          | H                 | 49.68             | 53.98             | 4.30           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ac_VHT40 |
| Operating Frequency | 5310 MHz       |
| Channel No.         | 62 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10620              | 57.04           | 2.96                          | V                 | 60.00             | 73.98             | 13.98          | PK                  |
| 10620              | 43.45           | 2.96                          | V                 | 46.41             | 53.98             | 7.57           | AV                  |
| 15930              | 63.81           | 1.43                          | V                 | 65.24             | 73.98             | 8.74           | PK                  |
| 15930              | 47.93           | 1.43                          | V                 | 49.36             | 53.98             | 4.62           | AV                  |
| 10620              | 56.96           | 2.96                          | H                 | 59.92             | 73.98             | 14.06          | PK                  |
| 10620              | 43.12           | 2.96                          | H                 | 46.08             | 53.98             | 7.90           | AV                  |
| 15930              | 63.69           | 1.43                          | H                 | 65.12             | 73.98             | 8.86           | PK                  |
| 15930              | 47.87           | 1.43                          | H                 | 49.30             | 53.98             | 4.68           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ac_VHT80 |
| Operating Frequency | 5290 MHz       |
| Channel No.         | 58 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10580              | 58.06           | 2.79                          | V                 | 60.85             | 68.20             | 7.35           | PK                  |
| 15870              | 61.14           | 2.47                          | V                 | 63.61             | 73.98             | 10.37          | PK                  |
| 15870              | 48.16           | 2.47                          | V                 | 50.63             | 53.98             | 3.35           | AV                  |
| 10580              | 58.03           | 2.79                          | H                 | 60.82             | 68.20             | 7.38           | PK                  |
| 15870              | 61.11           | 2.47                          | H                 | 63.58             | 73.98             | 10.40          | PK                  |
| 15870              | 47.85           | 2.47                          | H                 | 50.32             | 53.98             | 3.66           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT80. Worst case is MCS0 in 802.11ac\_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |          |
|---------------------|----------|
| Band :              | UNII 2C  |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5500 MHz |
| Channel No.         | 100 Ch   |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11000              | 60.76           | 3.36                          | V                 | 64.12             | 73.98             | 9.86           | PK                  |
| 11000              | 46.63           | 3.36                          | V                 | 49.99             | 53.98             | 3.99           | AV                  |
| 16500              | 59.19           | 5.07                          | V                 | 64.26             | 68.20             | 3.94           | PK                  |
| 11000              | 60.51           | 3.36                          | H                 | 63.87             | 73.98             | 10.11          | PK                  |
| 11000              | 45.98           | 3.36                          | H                 | 49.34             | 53.98             | 4.64           | AV                  |
| 16500              | 59.11           | 5.07                          | H                 | 64.18             | 68.20             | 4.02           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |          |
|---------------------|----------|
| Band :              | UNII 2C  |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5580 MHz |
| Channel No.         | 116 Ch   |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11160              | 56.55           | 4.07                          | V                 | 60.62             | 73.98             | 13.36          | PK                  |
| 11160              | 41.99           | 4.07                          | V                 | 46.06             | 53.98             | 7.92           | AV                  |
| 16740              | 58.63           | 4.79                          | V                 | 63.42             | 68.20             | 4.78           | PK                  |
| 11160              | 56.17           | 4.07                          | H                 | 60.24             | 73.98             | 13.74          | PK                  |
| 11160              | 41.51           | 4.07                          | H                 | 45.58             | 53.98             | 8.40           | AV                  |
| 16740              | 57.96           | 4.79                          | H                 | 62.75             | 68.20             | 5.45           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |          |
|---------------------|----------|
| Band :              | UNII 2C  |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5720 MHz |
| Channel No.         | 144 Ch   |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11440              | 53.33           | 3.57                          | V                 | 56.90             | 73.98             | 17.08          | PK                  |
| 11440              | 39.07           | 3.57                          | V                 | 42.64             | 53.98             | 11.34          | AV                  |
| 17160              | 49.16           | 5.24                          | V                 | 54.40             | 68.20             | 13.80          | PK                  |
| 11440              | 53.18           | 3.57                          | H                 | 56.75             | 73.98             | 17.23          | PK                  |
| 11440              | 38.96           | 3.57                          | H                 | 42.53             | 53.98             | 11.45          | AV                  |
| 17160              | 49.20           | 5.24                          | H                 | 54.44             | 68.20             | 13.76          | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 2C       |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5500 MHz      |
| Channel No.         | 100 Ch        |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11000              | 59.65           | 3.36                          | V                 | 63.01             | 73.98             | 10.97          | PK                  |
| 11000              | 46.17           | 3.36                          | V                 | 49.53             | 53.98             | 4.45           | AV                  |
| 16500              | 59.55           | 5.07                          | V                 | 64.62             | 68.20             | 3.58           | PK                  |
| 11000              | 59.51           | 3.36                          | H                 | 62.87             | 73.98             | 11.11          | PK                  |
| 11000              | 45.96           | 3.36                          | H                 | 49.32             | 53.98             | 4.66           | AV                  |
| 16500              | 59.43           | 5.07                          | H                 | 64.50             | 68.20             | 3.70           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 2C       |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5580 MHz      |
| Channel No.         | 116 Ch        |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11160              | 57.87           | 4.07                          | V                 | 61.94             | 73.98             | 12.04          | PK                  |
| 11160              | 43.62           | 4.07                          | V                 | 47.69             | 53.98             | 6.29           | AV                  |
| 16740              | 58.67           | 4.79                          | V                 | 63.46             | 68.20             | 4.74           | PK                  |
| 11160              | 57.75           | 4.07                          | H                 | 61.82             | 73.98             | 12.16          | PK                  |
| 11160              | 43.26           | 4.07                          | H                 | 47.33             | 53.98             | 6.65           | AV                  |
| 16740              | 58.51           | 4.79                          | H                 | 63.30             | 68.20             | 4.90           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 2C       |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5720 MHz      |
| Channel No.         | 144 Ch        |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11440              | 52.05           | 3.57                          | V                 | 55.62             | 73.98             | 18.36          | PK                  |
| 11440              | 38.47           | 3.57                          | V                 | 42.04             | 53.98             | 11.94          | AV                  |
| 17160              | 49.38           | 5.24                          | V                 | 54.62             | 68.20             | 13.58          | PK                  |
| 11440              | 51.96           | 3.57                          | H                 | 55.53             | 73.98             | 18.45          | PK                  |
| 11440              | 38.42           | 3.57                          | H                 | 41.99             | 53.98             | 11.99          | AV                  |
| 17160              | 49.13           | 5.24                          | H                 | 54.37             | 68.20             | 13.83          | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_ HT20. Worst case is MCS0 in 802.11n\_ HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 2C         |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5500MHz         |
| Channel No.         | 100 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11000              | 60.92           | 3.36                          | V                 | 64.28             | 73.98             | 9.70           | PK                  |
| 11000              | 46.21           | 3.36                          | V                 | 49.57             | 53.98             | 4.41           | AV                  |
| 16500              | 59.39           | 5.07                          | V                 | 64.46             | 68.20             | 3.74           | PK                  |
| 11000              | 60.76           | 3.36                          | H                 | 64.12             | 73.98             | 9.86           | PK                  |
| 11000              | 46.13           | 3.36                          | H                 | 49.49             | 53.98             | 4.49           | AV                  |
| 16500              | 59.24           | 5.07                          | H                 | 64.31             | 68.20             | 3.89           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 2C         |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5580 MHz        |
| Channel No.         | 116 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11160              | 59.48           | 4.07                          | V                 | 63.55             | 73.98             | 10.43          | PK                  |
| 11160              | 45.13           | 4.07                          | V                 | 49.20             | 53.98             | 4.78           | AV                  |
| 16740              | 59.45           | 4.79                          | V                 | 64.24             | 68.20             | 3.96           | PK                  |
| 11160              | 59.34           | 4.07                          | H                 | 63.41             | 73.98             | 10.57          | PK                  |
| 11160              | 45.01           | 4.07                          | H                 | 49.08             | 53.98             | 4.90           | AV                  |
| 16740              | 59.36           | 4.79                          | H                 | 64.15             | 68.20             | 4.05           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 2C         |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5720 MHz        |
| Channel No.         | 144 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11440              | 53.30           | 3.57                          | V                 | 56.87             | 73.98             | 17.11          | PK                  |
| 11440              | 38.55           | 3.57                          | V                 | 42.12             | 53.98             | 11.86          | AV                  |
| 17160              | 49.22           | 5.24                          | V                 | 54.46             | 68.20             | 13.74          | PK                  |
| 11440              | 53.12           | 3.57                          | H                 | 56.69             | 73.98             | 17.29          | PK                  |
| 11440              | 38.23           | 3.57                          | H                 | 41.80             | 53.98             | 12.18          | AV                  |
| 17160              | 49.16           | 5.24                          | H                 | 54.40             | 68.20             | 13.80          | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |              |
|---------------------|--------------|
| Band :              | UNII 2C      |
| Operation Mode:     | 802.11n_HT40 |
| Operating Frequency | 5510 MHz     |
| Channel No.         | 102 Ch       |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11020              | 57.78           | 2.97                          | V                 | 60.75             | 73.98             | 13.23          | PK                  |
| 11020              | 44.13           | 2.97                          | V                 | 47.10             | 53.98             | 6.88           | AV                  |
| 16530              | 59.11           | 4.15                          | V                 | 63.26             | 68.20             | 4.94           | PK                  |
| 11020              | 57.65           | 2.97                          | H                 | 60.62             | 73.98             | 13.36          | PK                  |
| 11020              | 43.96           | 2.97                          | H                 | 46.93             | 53.98             | 7.05           | AV                  |
| 16530              | 59.05           | 4.15                          | H                 | 63.20             | 68.20             | 5.00           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |              |
|---------------------|--------------|
| Band :              | UNII 2C      |
| Operation Mode:     | 802.11n_HT40 |
| Operating Frequency | 5590 MHz     |
| Channel No.         | 118 Ch       |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11180              | 54.78           | 2.79                          | V                 | 57.57             | 73.98             | 16.41          | PK                  |
| 11180              | 42.32           | 2.79                          | V                 | 45.11             | 53.98             | 8.87           | AV                  |
| 16770              | 58.16           | 5.81                          | V                 | 63.97             | 68.20             | 4.23           | PK                  |
| 11180              | 54.63           | 2.79                          | H                 | 57.42             | 73.98             | 16.56          | PK                  |
| 11180              | 41.96           | 2.79                          | H                 | 44.75             | 53.98             | 9.23           | AV                  |
| 16770              | 58.12           | 5.81                          | H                 | 63.93             | 68.20             | 4.27           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |              |
|---------------------|--------------|
| Band :              | UNII 2C      |
| Operation Mode:     | 802.11n_HT40 |
| Operating Frequency | 5710 MHz     |
| Channel No.         | 142 Ch       |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11420              | 49.96           | 3.36                          | V                 | 53.32             | 73.98             | 20.66          | PK                  |
| 11420              | 36.56           | 3.36                          | V                 | 39.92             | 53.98             | 14.06          | AV                  |
| 17130              | 50.45           | 7.02                          | V                 | 57.47             | 68.20             | 10.73          | PK                  |
| 11420              | 49.84           | 3.36                          | H                 | 53.20             | 73.98             | 20.78          | PK                  |
| 11420              | 36.51           | 3.36                          | H                 | 39.87             | 53.98             | 14.11          | AV                  |
| 17130              | 50.36           | 7.02                          | H                 | 57.38             | 68.20             | 10.82          | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ac_VHT40 |
| Operating Frequency | 5510 MHz       |
| Channel No.         | 102 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11020              | 58.59           | 2.97                          | V                 | 61.56             | 73.98             | 12.42          | PK                  |
| 11020              | 43.78           | 2.97                          | V                 | 46.75             | 53.98             | 7.23           | AV                  |
| 16530              | 58.93           | 4.15                          | V                 | 63.08             | 68.20             | 5.12           | PK                  |
| 11020              | 57.55           | 2.97                          | H                 | 60.52             | 73.98             | 13.46          | PK                  |
| 11020              | 43.86           | 2.97                          | H                 | 46.83             | 53.98             | 7.15           | AV                  |
| 16530              | 59.01           | 4.15                          | H                 | 63.16             | 68.20             | 5.04           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ac_VHT40 |
| Transfer MCS Index: | 0              |
| Operating Frequency | 5590 MHz       |
| Channel No.         | 118 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11180              | 54.10           | 2.79                          | V                 | 56.89             | 73.98             | 17.09          | PK                  |
| 11180              | 42.51           | 2.79                          | V                 | 45.30             | 53.98             | 8.68           | AV                  |
| 16770              | 58.14           | 5.81                          | V                 | 63.95             | 68.20             | 4.25           | PK                  |
| 11180              | 53.98           | 2.79                          | H                 | 56.77             | 73.98             | 17.21          | PK                  |
| 11180              | 41.96           | 2.79                          | H                 | 44.75             | 53.98             | 9.23           | AV                  |
| 16770              | 57.68           | 5.81                          | H                 | 63.49             | 68.20             | 4.71           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ac_VHT40 |
| Operating Frequency | 5710 MHz       |
| Channel No.         | 142 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11420              | 50.18           | 3.36                          | V                 | 53.54             | 73.98             | 20.44          | PK                  |
| 11420              | 36.80           | 3.36                          | V                 | 40.16             | 53.98             | 13.82          | AV                  |
| 17130              | 50.34           | 7.02                          | V                 | 57.36             | 68.20             | 10.84          | PK                  |
| 11420              | 50.01           | 3.36                          | H                 | 53.37             | 73.98             | 20.61          | PK                  |
| 11420              | 36.79           | 3.36                          | H                 | 40.15             | 53.98             | 13.83          | AV                  |
| 17130              | 50.29           | 7.02                          | H                 | 57.31             | 68.20             | 10.89          | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ac_VHT80 |
| Operating Frequency | 5530 MHz       |
| Channel No.         | 106 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11060              | 54.33           | 3.46                          | V                 | 57.79             | 73.98             | 16.19          | PK                  |
| 11060              | 41.64           | 3.46                          | V                 | 45.10             | 53.98             | 8.88           | AV                  |
| 16590              | 59.12           | 4.11                          | V                 | 63.23             | 68.20             | 4.97           | PK                  |
| 11060              | 53.99           | 3.46                          | H                 | 57.45             | 73.98             | 16.53          | PK                  |
| 11060              | 41.53           | 3.46                          | H                 | 44.99             | 53.98             | 8.99           | AV                  |
| 16590              | 58.93           | 4.11                          | H                 | 63.04             | 68.20             | 5.16           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT80. Worst case is MCS0 in 802.11ac\_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2C        |
| Operation Mode:     | 802.11ac_VHT80 |
| Operating Frequency | 5690 MHz       |
| Channel No.         | 138 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11380              | 50.27           | 3.41                          | V                 | 53.68             | 73.98             | 20.30          | PK                  |
| 11380              | 37.64           | 3.41                          | V                 | 41.05             | 53.98             | 12.93          | AV                  |
| 17070              | 52.13           | 5.78                          | V                 | 57.91             | 68.20             | 10.29          | PK                  |
| 11380              | 50.14           | 3.41                          | H                 | 53.55             | 73.98             | 20.43          | PK                  |
| 11380              | 37.56           | 3.41                          | H                 | 40.97             | 53.98             | 13.01          | AV                  |
| 17070              | 52.04           | 5.78                          | H                 | 57.82             | 68.20             | 10.38          | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT80. Worst case is MCS0 in 802.11ac\_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |          |
|---------------------|----------|
| Band :              | UNII 3   |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5745MHz  |
| Channel No.         | 149 Ch   |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11490              | 50.97           | 2.87                          | V                 | 53.84             | 73.98             | 20.14          | PK                  |
| 11490              | 38.48           | 2.87                          | V                 | 41.35             | 53.98             | 12.63          | AV                  |
| 17235              | 51.42           | 7.44                          | V                 | 58.86             | 68.20             | 9.35           | PK                  |
| 11490              | 50.46           | 2.51                          | H                 | 52.97             | 73.98             | 21.01          | PK                  |
| 11490              | 38.99           | 2.51                          | H                 | 41.50             | 53.98             | 12.48          | AV                  |
| 17235              | 51.26           | 7.44                          | H                 | 58.70             | 68.20             | 9.51           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |          |
|---------------------|----------|
| Band :              | UNII 3   |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5785 MHz |
| Channel No.         | 157 Ch   |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11570              | 51.13           | 2.48                          | V                 | 53.61             | 73.98             | 20.37          | PK                  |
| 11570              | 38.82           | 2.48                          | V                 | 41.30             | 53.98             | 12.68          | AV                  |
| 17355              | 52.19           | 7.86                          | V                 | 60.05             | 68.20             | 8.16           | PK                  |
| 11570              | 51.11           | 2.48                          | H                 | 53.59             | 73.98             | 20.39          | PK                  |
| 11570              | 38.68           | 2.48                          | H                 | 41.16             | 53.98             | 12.82          | AV                  |
| 17355              | 52.04           | 7.86                          | H                 | 59.90             | 68.20             | 8.31           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |          |
|---------------------|----------|
| Band :              | UNII 3   |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5825 MHz |
| Channel No.         | 165 Ch   |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11650              | 54.88           | 3.24                          | V                 | 58.12             | 73.98             | 15.86          | PK                  |
| 11650              | 41.37           | 3.24                          | V                 | 44.61             | 53.98             | 9.37           | AV                  |
| 17475              | 56.16           | 8.14                          | V                 | 64.30             | 68.20             | 3.91           | PK                  |
| 11650              | 54.69           | 3.24                          | H                 | 57.93             | 73.98             | 16.05          | PK                  |
| 11650              | 41.21           | 3.24                          | H                 | 44.45             | 53.98             | 9.53           | AV                  |
| 17475              | 56.03           | 8.14                          | H                 | 64.17             | 68.20             | 4.04           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 3        |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5745 MHz      |
| Channel No.         | 149 Ch        |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11490              | 49.70           | 2.87                          | V                 | 52.57             | 73.98             | 21.41          | PK                  |
| 11490              | 37.93           | 2.87                          | V                 | 40.80             | 53.98             | 13.18          | AV                  |
| 17235              | 51.31           | 7.44                          | V                 | 58.75             | 68.20             | 9.46           | PK                  |
| 11490              | 49.57           | 2.51                          | H                 | 52.08             | 73.98             | 21.90          | PK                  |
| 11490              | 37.86           | 2.51                          | H                 | 40.37             | 53.98             | 13.61          | AV                  |
| 17235              | 51.22           | 7.44                          | H                 | 58.66             | 68.20             | 9.55           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 3        |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5785 MHz      |
| Channel No.         | 157 Ch        |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11570              | 50.42           | 2.48                          | V                 | 52.90             | 73.98             | 21.08          | PK                  |
| 11570              | 38.92           | 2.48                          | V                 | 41.40             | 53.98             | 12.58          | AV                  |
| 17355              | 52.38           | 7.86                          | V                 | 60.24             | 68.20             | 7.97           | PK                  |
| 11570              | 50.39           | 2.48                          | H                 | 52.87             | 73.98             | 21.11          | PK                  |
| 11570              | 38.81           | 2.48                          | H                 | 41.29             | 53.98             | 12.69          | AV                  |
| 17355              | 52.26           | 7.86                          | H                 | 60.12             | 68.20             | 8.09           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 3        |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5825 MHz      |
| Channel No.         | 165 Ch        |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11650              | 54.69           | 3.24                          | V                 | 57.93             | 73.98             | 16.05          | PK                  |
| 11650              | 41.03           | 3.24                          | V                 | 44.27             | 53.98             | 9.71           | AV                  |
| 17475              | 56.02           | 8.14                          | V                 | 64.16             | 68.20             | 4.05           | PK                  |
| 11650              | 54.55           | 3.24                          | H                 | 57.79             | 73.98             | 16.19          | PK                  |
| 11650              | 40.98           | 3.24                          | H                 | 44.22             | 53.98             | 9.76           | AV                  |
| 17475              | 55.97           | 8.14                          | H                 | 64.11             | 68.20             | 4.10           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 3          |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5745 MHz        |
| Channel No.         | 149 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11490              | 53.45           | 2.87                          | V                 | 56.32             | 73.98             | 17.66          | PK                  |
| 11490              | 40.00           | 2.87                          | V                 | 42.87             | 53.98             | 11.11          | AV                  |
| 17235              | 52.13           | 7.44                          | V                 | 59.57             | 68.20             | 8.64           | PK                  |
| 11490              | 53.23           | 2.51                          | H                 | 55.74             | 73.98             | 18.24          | PK                  |
| 11490              | 39.86           | 2.51                          | H                 | 42.37             | 53.98             | 11.61          | AV                  |
| 17235              | 51.98           | 7.44                          | H                 | 59.42             | 68.20             | 8.79           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 3          |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5785 MHz        |
| Channel No.         | 157 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11570              | 53.15           | 2.48                          | V                 | 55.63             | 73.98             | 18.35          | PK                  |
| 11570              | 39.65           | 2.48                          | V                 | 42.13             | 53.98             | 11.85          | AV                  |
| 17355              | 52.22           | 7.86                          | V                 | 60.08             | 68.20             | 8.13           | PK                  |
| 11570              | 53.05           | 2.48                          | H                 | 55.53             | 73.98             | 18.45          | PK                  |
| 11570              | 39.56           | 2.48                          | H                 | 42.04             | 53.98             | 11.94          | AV                  |
| 17355              | 52.18           | 7.86                          | H                 | 60.04             | 68.20             | 8.17           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 3          |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5825 MHz        |
| Channel No.         | 165 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11650              | 55.65           | 3.24                          | V                 | 58.89             | 73.98             | 15.09          | PK                  |
| 11650              | 41.46           | 3.24                          | V                 | 44.70             | 53.98             | 9.28           | AV                  |
| 17475              | 55.86           | 8.14                          | V                 | 64.00             | 68.20             | 4.21           | PK                  |
| 11650              | 55.12           | 3.24                          | H                 | 58.36             | 73.98             | 15.62          | PK                  |
| 11650              | 41.13           | 3.24                          | H                 | 44.37             | 53.98             | 9.61           | AV                  |
| 17475              | 55.39           | 8.14                          | H                 | 63.53             | 68.20             | 4.68           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |              |
|---------------------|--------------|
| Band :              | UNII3        |
| Operation Mode:     | 802.11n_HT40 |
| Operating Frequency | 5755 MHz     |
| Channel No.         | 151 Ch       |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11510              | 49.96           | 2.90                          | V                 | 52.86             | 73.98             | 21.12          | PK                  |
| 11510              | 38.57           | 2.90                          | V                 | 41.47             | 53.98             | 12.51          | AV                  |
| 17265              | 52.18           | 6.80                          | V                 | 58.98             | 68.20             | 9.22           | PK                  |
| 11510              | 49.91           | 2.90                          | H                 | 52.81             | 73.98             | 21.17          | PK                  |
| 11510              | 38.49           | 2.90                          | H                 | 41.39             | 53.98             | 12.59          | AV                  |
| 17265              | 52.10           | 6.80                          | H                 | 58.90             | 68.20             | 9.30           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |              |
|---------------------|--------------|
| Band :              | UNII 3       |
| Operation Mode:     | 802.11n_HT40 |
| Operating Frequency | 5795 MHz     |
| Channel No.         | 159 Ch       |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11590              | 51.62           | 3.72                          | V                 | 55.34             | 73.98             | 18.64          | PK                  |
| 11590              | 37.67           | 3.72                          | V                 | 41.39             | 53.98             | 12.59          | AV                  |
| 17385              | 52.36           | 7.21                          | V                 | 59.57             | 68.20             | 8.64           | PK                  |
| 11590              | 51.58           | 3.72                          | H                 | 55.30             | 73.98             | 18.68          | PK                  |
| 11590              | 37.51           | 3.72                          | H                 | 41.23             | 53.98             | 12.75          | AV                  |
| 17385              | 52.18           | 7.21                          | H                 | 59.39             | 68.20             | 8.82           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 3         |
| Operation Mode:     | 802.11ac_VHT40 |
| Operating Frequency | 5755 MHz       |
| Channel No.         | 151 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11510              | 50.64           | 2.90                          | V                 | 53.54             | 73.98             | 20.44          | PK                  |
| 11510              | 38.79           | 2.90                          | V                 | 41.69             | 53.98             | 12.29          | AV                  |
| 17265              | 52.16           | 6.80                          | V                 | 58.96             | 68.20             | 9.24           | PK                  |
| 11510              | 50.42           | 2.90                          | H                 | 53.32             | 73.98             | 20.66          | PK                  |
| 11510              | 38.61           | 2.90                          | H                 | 41.51             | 53.98             | 12.47          | AV                  |
| 17265              | 52.13           | 6.80                          | H                 | 58.93             | 68.20             | 9.27           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 3         |
| Operation Mode:     | 802.11ac_VHT40 |
| Operating Frequency | 5795 MHz       |
| Channel No.         | 159 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11590              | 49.91           | 3.72                          | V                 | 53.63             | 73.98             | 20.35          | PK                  |
| 11590              | 38.18           | 3.72                          | V                 | 41.90             | 53.98             | 12.08          | AV                  |
| 17385              | 52.27           | 7.21                          | V                 | 59.48             | 68.20             | 8.73           | PK                  |
| 11590              | 49.86           | 3.72                          | H                 | 53.58             | 73.98             | 20.40          | PK                  |
| 11590              | 38.13           | 3.72                          | H                 | 41.85             | 53.98             | 12.13          | AV                  |
| 17385              | 52.19           | 7.21                          | H                 | 59.40             | 68.20             | 8.81           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 3         |
| Operation Mode:     | 802.11ac_VHT80 |
| Operating Frequency | 5775 MHz       |
| Channel No.         | 155 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11550              | 50.35           | 3.32                          | V                 | 53.67             | 73.98             | 20.31          | PK                  |
| 11550              | 39.16           | 3.32                          | V                 | 42.48             | 53.98             | 11.50          | AV                  |
| 17325              | 51.98           | 8.09                          | V                 | 60.07             | 68.20             | 8.14           | PK                  |
| 11550              | 50.11           | 3.32                          | H                 | 53.43             | 73.98             | 20.55          | PK                  |
| 11550              | 38.97           | 3.32                          | H                 | 42.29             | 53.98             | 11.69          | AV                  |
| 17325              | 51.86           | 8.09                          | H                 | 59.95             | 68.20             | 8.26           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT80. Worst case is MCS0 in 802.11ac\_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

## [External Ant]

|                     |          |
|---------------------|----------|
| Band :              | UNII 1   |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5180 MHz |
| Channel No.         | 36 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10360              | 50.39           | 4.47                          | V                 | 54.86             | 68.20             | 13.34          | PK                  |
| 15540              | 62.12           | 1.80                          | V                 | 63.92             | 73.98             | 10.06          | PK                  |
| 15540              | 45.87           | 1.80                          | V                 | 47.67             | 53.98             | 6.31           | AV                  |
| 10360              | 49.56           | 4.47                          | H                 | 54.03             | 68.20             | 14.17          | PK                  |
| 15540              | 61.98           | 1.80                          | H                 | 63.78             | 73.98             | 10.20          | PK                  |
| 15540              | 45.61           | 1.80                          | H                 | 47.41             | 53.98             | 6.57           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |          |
|---------------------|----------|
| Band :              | UNII 1   |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5200 MHz |
| Channel No.         | 40 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10400              | 50.71           | 3.22                          | V                 | 53.93             | 68.20             | 14.27          | PK                  |
| 15600              | 60.85           | 1.06                          | V                 | 61.91             | 73.98             | 12.07          | PK                  |
| 15600              | 44.66           | 1.06                          | V                 | 45.72             | 53.98             | 8.26           | AV                  |
| 10400              | 49.96           | 3.22                          | H                 | 53.18             | 68.20             | 15.02          | PK                  |
| 15600              | 60.42           | 1.06                          | H                 | 61.48             | 73.98             | 12.50          | PK                  |
| 15600              | 44.39           | 1.06                          | H                 | 45.45             | 53.98             | 8.53           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |          |
|---------------------|----------|
| Band :              | UNII 1   |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5240 MHz |
| Channel No.         | 48 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10480              | 50.92           | 3.53                          | V                 | 54.45             | 68.20             | 13.75          | PK                  |
| 15720              | 62.07           | 1.54                          | V                 | 63.61             | 73.98             | 10.37          | PK                  |
| 15720              | 45.79           | 1.54                          | V                 | 47.33             | 53.98             | 6.65           | AV                  |
| 10480              | 50.69           | 3.53                          | H                 | 54.22             | 68.20             | 13.98          | PK                  |
| 15720              | 61.98           | 1.54                          | H                 | 63.52             | 73.98             | 10.46          | PK                  |
| 15720              | 45.61           | 1.54                          | H                 | 47.15             | 53.98             | 6.83           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 1        |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5180 MHz      |
| Channel No.         | 36 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10360              | 50.23           | 4.47                          | V                 | 54.70             | 68.20             | 13.50          | PK                  |
| 15540              | 61.96           | 1.80                          | V                 | 63.76             | 73.98             | 10.22          | PK                  |
| 15540              | 45.79           | 1.80                          | V                 | 47.59             | 53.98             | 6.39           | AV                  |
| 10360              | 49.46           | 4.47                          | H                 | 53.93             | 68.20             | 14.27          | PK                  |
| 15540              | 61.88           | 1.80                          | H                 | 63.68             | 73.98             | 10.30          | PK                  |
| 15540              | 45.58           | 1.80                          | H                 | 47.38             | 53.98             | 6.60           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 1        |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5200 MHz      |
| Channel No.         | 40 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10400              | 50.63           | 3.22                          | V                 | 53.85             | 68.20             | 14.35          | PK                  |
| 15600              | 60.54           | 1.06                          | V                 | 61.60             | 73.98             | 12.38          | PK                  |
| 15600              | 44.51           | 1.06                          | V                 | 45.57             | 53.98             | 8.41           | AV                  |
| 10400              | 49.87           | 3.22                          | H                 | 53.09             | 68.20             | 15.11          | PK                  |
| 15600              | 60.35           | 1.06                          | H                 | 61.41             | 73.98             | 12.57          | PK                  |
| 15600              | 44.24           | 1.06                          | H                 | 45.30             | 53.98             | 8.68           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 1        |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5240 MHz      |
| Channel No.         | 48 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10480              | 49.99           | 3.53                          | V                 | 53.52             | 68.20             | 14.68          | PK                  |
| 15720              | 61.98           | 1.54                          | V                 | 63.52             | 73.98             | 10.46          | PK                  |
| 15720              | 45.55           | 1.54                          | V                 | 47.09             | 53.98             | 6.89           | AV                  |
| 10480              | 49.78           | 3.53                          | H                 | 53.31             | 68.20             | 14.89          | PK                  |
| 15720              | 61.78           | 1.54                          | H                 | 63.32             | 73.98             | 10.66          | PK                  |
| 15720              | 45.36           | 1.54                          | H                 | 46.90             | 53.98             | 7.08           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 1          |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5180 MHz        |
| Channel No.         | 36 Ch           |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10360              | 50.12           | 4.47                          | V                 | 54.59             | 68.20             | 13.61          | PK                  |
| 15540              | 61.87           | 1.80                          | V                 | 63.67             | 73.98             | 10.31          | PK                  |
| 15540              | 45.69           | 1.80                          | V                 | 47.49             | 53.98             | 6.49           | AV                  |
| 10360              | 50.11           | 4.47                          | H                 | 54.58             | 68.20             | 13.62          | PK                  |
| 15540              | 61.57           | 1.80                          | H                 | 63.37             | 73.98             | 10.61          | PK                  |
| 15540              | 45.62           | 1.80                          | H                 | 47.42             | 53.98             | 6.56           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 1          |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5200 MHz        |
| Channel No.         | 40 Ch           |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10400              | 50.54           | 3.22                          | V                 | 53.76             | 68.20             | 14.44          | PK                  |
| 15600              | 60.42           | 1.06                          | V                 | 61.48             | 73.98             | 12.50          | PK                  |
| 15600              | 44.43           | 1.06                          | V                 | 45.49             | 53.98             | 8.49           | AV                  |
| 10400              | 50.42           | 3.22                          | H                 | 53.64             | 68.20             | 14.56          | PK                  |
| 15600              | 60.23           | 1.06                          | H                 | 61.29             | 73.98             | 12.69          | PK                  |
| 15600              | 44.29           | 1.06                          | H                 | 45.35             | 53.98             | 8.63           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 1          |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5240 MHz        |
| Channel No.         | 48 Ch           |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10480              | 49.89           | 3.53                          | V                 | 53.42             | 68.20             | 14.78          | PK                  |
| 15720              | 61.87           | 1.54                          | V                 | 63.41             | 73.98             | 10.57          | PK                  |
| 15720              | 45.47           | 1.54                          | V                 | 47.01             | 53.98             | 6.97           | AV                  |
| 10480              | 49.75           | 3.53                          | H                 | 53.28             | 68.20             | 14.92          | PK                  |
| 15720              | 61.59           | 1.54                          | H                 | 63.13             | 73.98             | 10.85          | PK                  |
| 15720              | 45.48           | 1.54                          | H                 | 47.02             | 53.98             | 6.96           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |              |
|---------------------|--------------|
| Band :              | UNII 1       |
| Operation Mode:     | 802.11n_HT40 |
| Operating Frequency | 5190 MHz     |
| Channel No.         | 38 Ch        |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10380              | 49.96           | 2.88                          | V                 | 52.84             | 68.20             | 15.36          | PK                  |
| 15570              | 61.55           | 1.57                          | V                 | 63.12             | 73.98             | 10.86          | PK                  |
| 15570              | 45.59           | 1.57                          | V                 | 47.16             | 53.98             | 6.82           | AV                  |
| 10380              | 49.86           | 2.88                          | H                 | 52.74             | 68.20             | 15.46          | PK                  |
| 15570              | 61.48           | 1.57                          | H                 | 63.05             | 73.98             | 10.93          | PK                  |
| 15570              | 45.39           | 1.57                          | H                 | 46.96             | 53.98             | 7.02           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |              |
|---------------------|--------------|
| Band :              | UNII 1       |
| Operation Mode:     | 802.11n_HT40 |
| Operating Frequency | 5230 MHz     |
| Channel No.         | 46 Ch        |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10460              | 49.86           | 3.56                          | V                 | 53.42             | 68.20             | 14.78          | PK                  |
| 15690              | 60.36           | 1.38                          | V                 | 61.74             | 73.98             | 12.24          | PK                  |
| 15690              | 44.29           | 1.38                          | V                 | 45.67             | 53.98             | 8.31           | AV                  |
| 10460              | 49.78           | 3.56                          | H                 | 53.34             | 68.20             | 14.86          | PK                  |
| 15690              | 60.28           | 1.38                          | H                 | 61.66             | 73.98             | 12.32          | PK                  |
| 15690              | 44.13           | 1.38                          | H                 | 45.51             | 53.98             | 8.47           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ac_VHT40 |
| Operating Frequency | 5190 MHz       |
| Channel No.         | 38 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10380              | 50.12           | 2.88                          | V                 | 53.00             | 68.20             | 15.20          | PK                  |
| 15570              | 61.52           | 1.57                          | V                 | 63.09             | 73.98             | 10.89          | PK                  |
| 15570              | 45.61           | 1.57                          | V                 | 47.18             | 53.98             | 6.80           | AV                  |
| 10380              | 49.84           | 2.88                          | H                 | 52.72             | 68.20             | 15.48          | PK                  |
| 15570              | 61.39           | 1.57                          | H                 | 62.96             | 73.98             | 11.02          | PK                  |
| 15570              | 45.34           | 1.57                          | H                 | 46.91             | 53.98             | 7.07           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ac_VHT40 |
| Operating Frequency | 5230 MHz       |
| Channel No.         | 46 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10460              | 50.10           | 3.56                          | V                 | 53.66             | 68.20             | 14.54          | PK                  |
| 15690              | 60.31           | 1.38                          | V                 | 61.69             | 73.98             | 12.29          | PK                  |
| 15690              | 44.23           | 1.38                          | V                 | 45.61             | 53.98             | 8.37           | AV                  |
| 10460              | 49.03           | 3.56                          | H                 | 52.59             | 68.20             | 15.61          | PK                  |
| 15690              | 60.21           | 1.38                          | H                 | 61.59             | 73.98             | 12.39          | PK                  |
| 15690              | 44.05           | 1.38                          | H                 | 45.43             | 53.98             | 8.55           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 1         |
| Operation Mode:     | 802.11ac_VHT80 |
| Operating Frequency | 5210 MHz       |
| Channel No.         | 42 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10420              | 50.22           | 2.64                          | V                 | 52.86             | 68.20             | 15.34          | PK                  |
| 15630              | 61.39           | 1.84                          | V                 | 63.23             | 73.98             | 10.75          | PK                  |
| 15630              | 44.98           | 1.84                          | V                 | 46.82             | 53.98             | 7.16           | AV                  |
| 10420              | 49.82           | 2.64                          | H                 | 52.46             | 68.20             | 15.74          | PK                  |
| 15630              | 61.23           | 1.84                          | H                 | 63.07             | 73.98             | 10.91          | PK                  |
| 15630              | 44.95           | 1.84                          | H                 | 46.79             | 53.98             | 7.19           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT80. Worst case is MCS0 in 802.11ac\_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |          |
|---------------------|----------|
| Band :              | UNII 2A  |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5260 MHz |
| Channel No.         | 52 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10520              | 52.90           | 2.35                          | V                 | 55.25             | 68.20             | 12.95          | PK                  |
| 15780              | 58.74           | 2.07                          | V                 | 60.81             | 73.98             | 13.17          | PK                  |
| 15780              | 43.50           | 2.07                          | V                 | 45.57             | 53.98             | 8.41           | AV                  |
| 10520              | 52.15           | 2.35                          | H                 | 54.50             | 68.20             | 13.70          | PK                  |
| 15780              | 58.61           | 2.07                          | H                 | 60.68             | 73.98             | 13.30          | PK                  |
| 15780              | 43.32           | 2.07                          | H                 | 45.39             | 53.98             | 8.59           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |          |
|---------------------|----------|
| Band :              | UNII 2A  |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5300 MHz |
| Channel No.         | 60 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10600              | 51.64           | 3.16                          | V                 | 54.80             | 73.98             | 19.18          | PK                  |
| 10600              | 39.06           | 3.16                          | V                 | 42.22             | 53.98             | 11.76          | AV                  |
| 15900              | 60.49           | 1.23                          | V                 | 61.72             | 73.98             | 12.26          | PK                  |
| 15900              | 44.64           | 1.23                          | V                 | 45.87             | 53.98             | 8.11           | AV                  |
| 10600              | 51.23           | 3.16                          | H                 | 54.39             | 73.98             | 19.59          | PK                  |
| 10600              | 38.69           | 3.16                          | H                 | 41.85             | 53.98             | 12.13          | AV                  |
| 15900              | 59.96           | 1.23                          | H                 | 61.19             | 73.98             | 12.79          | PK                  |
| 15900              | 44.51           | 1.23                          | H                 | 45.74             | 53.98             | 8.24           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |          |
|---------------------|----------|
| Band :              | UNII 2A  |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5320 MHz |
| Channel No.         | 64 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10640              | 52.63           | 3.07                          | V                 | 55.70             | 73.98             | 18.28          | PK                  |
| 10640              | 39.55           | 3.07                          | V                 | 42.62             | 53.98             | 11.36          | AV                  |
| 15960              | 58.83           | 2.06                          | V                 | 60.89             | 73.98             | 13.09          | PK                  |
| 15960              | 43.69           | 2.06                          | V                 | 45.75             | 53.98             | 8.23           | AV                  |
| 10640              | 52.16           | 3.07                          | H                 | 55.23             | 73.98             | 18.75          | PK                  |
| 10640              | 39.23           | 3.07                          | H                 | 42.30             | 53.98             | 11.68          | AV                  |
| 15960              | 58.21           | 2.06                          | H                 | 60.27             | 73.98             | 13.71          | PK                  |
| 15960              | 43.23           | 2.06                          | H                 | 45.29             | 53.98             | 8.69           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 2A       |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5260 MHz      |
| Channel No.         | 52 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10520              | 52.84           | 2.35                          | V                 | 55.19             | 68.20             | 13.01          | PK                  |
| 15780              | 60.57           | 2.07                          | V                 | 62.64             | 73.98             | 11.34          | PK                  |
| 15780              | 44.35           | 2.07                          | V                 | 46.42             | 53.98             | 7.56           | AV                  |
| 10520              | 51.96           | 2.35                          | H                 | 54.31             | 68.20             | 13.89          | PK                  |
| 15780              | 60.23           | 2.07                          | H                 | 62.30             | 73.98             | 11.68          | PK                  |
| 15780              | 44.15           | 2.07                          | H                 | 46.22             | 53.98             | 7.76           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 2A       |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5300 MHz      |
| Channel No.         | 60 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10600              | 51.39           | 3.16                          | V                 | 54.55             | 73.98             | 19.43          | PK                  |
| 10600              | 39.02           | 3.16                          | V                 | 42.18             | 53.98             | 11.80          | AV                  |
| 15900              | 60.23           | 1.23                          | V                 | 61.46             | 73.98             | 12.52          | PK                  |
| 15900              | 44.51           | 1.23                          | V                 | 45.74             | 53.98             | 8.24           | AV                  |
| 10600              | 51.13           | 3.16                          | H                 | 54.29             | 73.98             | 19.69          | PK                  |
| 10600              | 38.56           | 3.16                          | H                 | 41.72             | 53.98             | 12.26          | AV                  |
| 15900              | 59.84           | 1.23                          | H                 | 61.07             | 73.98             | 12.91          | PK                  |
| 15900              | 44.26           | 1.23                          | H                 | 45.49             | 53.98             | 8.49           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 2A       |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5320 MHz      |
| Channel No.         | 64 Ch         |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10640              | 52.39           | 3.07                          | V                 | 55.46             | 73.98             | 18.52          | PK                  |
| 10640              | 39.46           | 3.07                          | V                 | 42.53             | 53.98             | 11.45          | AV                  |
| 15960              | 58.67           | 2.06                          | V                 | 60.73             | 73.98             | 13.25          | PK                  |
| 15960              | 43.51           | 2.06                          | V                 | 45.57             | 53.98             | 8.41           | AV                  |
| 10640              | 52.11           | 3.07                          | H                 | 55.18             | 73.98             | 18.80          | PK                  |
| 10640              | 39.14           | 3.07                          | H                 | 42.21             | 53.98             | 11.77          | AV                  |
| 15960              | 58.14           | 2.06                          | H                 | 60.20             | 73.98             | 13.78          | PK                  |
| 15960              | 43.11           | 2.06                          | H                 | 45.17             | 53.98             | 8.81           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 2A         |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5260MHz         |
| Channel No.         | 52 Ch           |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10520              | 52.79           | 2.35                          | V                 | 55.14             | 68.20             | 13.06          | PK                  |
| 15780              | 60.36           | 2.07                          | V                 | 62.43             | 73.98             | 11.55          | PK                  |
| 15780              | 44.21           | 2.07                          | V                 | 46.28             | 53.98             | 7.70           | AV                  |
| 10520              | 52.95           | 2.35                          | H                 | 55.30             | 68.20             | 12.90          | PK                  |
| 15780              | 60.25           | 2.07                          | H                 | 62.32             | 73.98             | 11.66          | PK                  |
| 15780              | 44.14           | 2.07                          | H                 | 46.21             | 53.98             | 7.77           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 2A         |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5300 MHz        |
| Channel No.         | 60 Ch           |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10600              | 51.21           | 3.16                          | V                 | 54.37             | 73.98             | 19.61          | PK                  |
| 10600              | 38.95           | 3.16                          | V                 | 42.11             | 53.98             | 11.87          | AV                  |
| 15900              | 60.15           | 1.23                          | V                 | 61.38             | 73.98             | 12.60          | PK                  |
| 15900              | 44.38           | 1.23                          | V                 | 45.61             | 53.98             | 8.37           | AV                  |
| 10600              | 51.18           | 3.16                          | H                 | 54.34             | 73.98             | 19.64          | PK                  |
| 10600              | 38.94           | 3.16                          | H                 | 42.10             | 53.98             | 11.88          | AV                  |
| 15900              | 60.08           | 1.23                          | H                 | 61.31             | 73.98             | 12.67          | PK                  |
| 15900              | 44.23           | 1.23                          | H                 | 45.46             | 53.98             | 8.52           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 2A         |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5320 MHz        |
| Channel No.         | 64 Ch           |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10640              | 51.96           | 3.07                          | V                 | 55.03             | 73.98             | 18.95          | PK                  |
| 10640              | 39.26           | 3.07                          | V                 | 42.33             | 53.98             | 11.65          | AV                  |
| 15960              | 58.58           | 2.06                          | V                 | 60.64             | 73.98             | 13.34          | PK                  |
| 15960              | 43.42           | 2.06                          | V                 | 45.48             | 53.98             | 8.50           | AV                  |
| 10640              | 51.86           | 3.07                          | H                 | 54.93             | 73.98             | 19.05          | PK                  |
| 10640              | 39.15           | 3.07                          | H                 | 42.22             | 53.98             | 11.76          | AV                  |
| 15960              | 58.43           | 2.06                          | H                 | 60.49             | 73.98             | 13.49          | PK                  |
| 15960              | 43.26           | 2.06                          | H                 | 45.32             | 53.98             | 8.66           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |              |
|---------------------|--------------|
| Band :              | UNII 2A      |
| Operation Mode:     | 802.11n_HT40 |
| Operating Frequency | 5270 MHz     |
| Channel No.         | 54 Ch        |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10540              | 52.65           | 3.85                          | V                 | 56.50             | 68.20             | 11.70          | PK                  |
| 15810              | 60.21           | 2.79                          | V                 | 63.00             | 73.98             | 10.98          | PK                  |
| 15810              | 44.17           | 2.79                          | V                 | 46.96             | 53.98             | 7.02           | AV                  |
| 10540              | 52.48           | 3.85                          | H                 | 56.33             | 68.20             | 11.87          | PK                  |
| 15810              | 59.98           | 2.79                          | H                 | 62.77             | 73.98             | 11.21          | PK                  |
| 15810              | 43.98           | 2.79                          | H                 | 46.77             | 53.98             | 7.21           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |              |
|---------------------|--------------|
| Band :              | UNII 2A      |
| Operation Mode:     | 802.11n_HT40 |
| Operating Frequency | 5310 MHz     |
| Channel No.         | 62 Ch        |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10620              | 51.88           | 2.96                          | V                 | 54.84             | 73.98             | 19.14          | PK                  |
| 10620              | 39.14           | 2.96                          | V                 | 42.10             | 53.98             | 11.88          | AV                  |
| 15930              | 58.55           | 1.43                          | V                 | 59.98             | 73.98             | 14.00          | PK                  |
| 15930              | 43.26           | 1.43                          | V                 | 44.69             | 53.98             | 9.29           | AV                  |
| 10620              | 51.68           | 2.96                          | H                 | 54.64             | 73.98             | 19.34          | PK                  |
| 10620              | 39.04           | 2.96                          | H                 | 42.00             | 53.98             | 11.98          | AV                  |
| 15930              | 58.39           | 1.43                          | H                 | 59.82             | 73.98             | 14.16          | PK                  |
| 15930              | 42.69           | 1.43                          | H                 | 44.12             | 53.98             | 9.86           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ac_VHT40 |
| Operating Frequency | 5270 MHz       |
| Channel No.         | 54 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10540              | 52.56           | 3.85                          | V                 | 56.41             | 68.20             | 11.79          | PK                  |
| 15810              | 60.18           | 2.79                          | V                 | 62.97             | 73.98             | 11.01          | PK                  |
| 15810              | 44.06           | 2.79                          | V                 | 46.85             | 53.98             | 7.13           | AV                  |
| 10540              | 52.44           | 3.85                          | H                 | 56.29             | 68.20             | 11.91          | PK                  |
| 15810              | 60.14           | 2.79                          | H                 | 62.93             | 73.98             | 11.05          | PK                  |
| 15810              | 43.99           | 2.79                          | H                 | 46.78             | 53.98             | 7.20           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ac_VHT40 |
| Operating Frequency | 5310 MHz       |
| Channel No.         | 62 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10620              | 51.86           | 2.96                          | V                 | 54.82             | 73.98             | 19.16          | PK                  |
| 10620              | 39.12           | 2.96                          | V                 | 42.08             | 53.98             | 11.90          | AV                  |
| 15930              | 58.36           | 1.43                          | V                 | 59.79             | 73.98             | 14.19          | PK                  |
| 15930              | 43.23           | 1.43                          | V                 | 44.66             | 53.98             | 9.32           | AV                  |
| 10620              | 51.65           | 2.96                          | H                 | 54.61             | 73.98             | 19.37          | PK                  |
| 10620              | 39.02           | 2.96                          | H                 | 41.98             | 53.98             | 12.00          | AV                  |
| 15930              | 58.23           | 1.43                          | H                 | 59.66             | 73.98             | 14.32          | PK                  |
| 15930              | 42.53           | 1.43                          | H                 | 43.96             | 53.98             | 10.02          | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT40. Worst case is MCS0 in 802.11ac\_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                |
|---------------------|----------------|
| Band :              | UNII 2A        |
| Operation Mode:     | 802.11ac_VHT80 |
| Operating Frequency | 5290 MHz       |
| Channel No.         | 58 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10580              | 49.22           | 2.79                          | V                 | 52.01             | 68.20             | 16.19          | PK                  |
| 15870              | 59.22           | 2.47                          | V                 | 61.69             | 73.98             | 12.29          | PK                  |
| 15870              | 42.96           | 2.47                          | V                 | 45.43             | 53.98             | 8.55           | AV                  |
| 10580              | 48.12           | 2.79                          | H                 | 50.91             | 68.20             | 17.29          | PK                  |
| 15870              | 59.17           | 2.47                          | H                 | 61.64             | 73.98             | 12.34          | PK                  |
| 15870              | 42.86           | 2.47                          | H                 | 45.33             | 53.98             | 8.65           | AV                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT80. Worst case is MCS0 in 802.11ac\_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |          |
|---------------------|----------|
| Band :              | UNII 2C  |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5500 MHz |
| Channel No.         | 100 Ch   |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11000              | 49.98           | 3.36                          | V                 | 53.34             | 73.98             | 20.64          | PK                  |
| 11000              | 37.59           | 3.36                          | V                 | 40.95             | 53.98             | 13.03          | AV                  |
| 16500              | 51.21           | 5.07                          | V                 | 56.28             | 68.20             | 11.92          | PK                  |
| 11000              | 49.76           | 3.36                          | H                 | 53.12             | 73.98             | 20.86          | PK                  |
| 11000              | 37.25           | 3.36                          | H                 | 40.61             | 53.98             | 13.37          | AV                  |
| 16500              | 51.16           | 5.07                          | H                 | 56.23             | 68.20             | 11.97          | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |          |
|---------------------|----------|
| Band :              | UNII 2C  |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5580 MHz |
| Channel No.         | 116 Ch   |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11160              | 50.30           | 4.07                          | V                 | 54.37             | 73.98             | 19.61          | PK                  |
| 11160              | 36.41           | 4.07                          | V                 | 40.48             | 53.98             | 13.50          | AV                  |
| 16740              | 53.93           | 4.79                          | V                 | 58.72             | 68.20             | 9.48           | PK                  |
| 11160              | 49.83           | 4.07                          | H                 | 53.90             | 73.98             | 20.08          | PK                  |
| 11160              | 36.18           | 4.07                          | H                 | 40.25             | 53.98             | 13.73          | AV                  |
| 16740              | 53.26           | 4.79                          | H                 | 58.05             | 68.20             | 10.15          | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |          |
|---------------------|----------|
| Band :              | UNII 2C  |
| Operation Mode:     | 802.11 a |
| Operating Frequency | 5720 MHz |
| Channel No.         | 144 Ch   |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11440              | 50.19           | 3.57                          | V                 | 53.76             | 73.98             | 20.22          | PK                  |
| 11440              | 36.04           | 3.57                          | V                 | 39.61             | 53.98             | 14.37          | AV                  |
| 17160              | 48.71           | 5.24                          | V                 | 53.95             | 68.20             | 14.25          | PK                  |
| 11440              | 49.86           | 3.57                          | H                 | 53.43             | 73.98             | 20.55          | PK                  |
| 11440              | 35.98           | 3.57                          | H                 | 39.55             | 53.98             | 14.43          | AV                  |
| 17160              | 48.53           | 5.24                          | H                 | 53.77             | 68.20             | 14.43          | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 2C       |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5500 MHz      |
| Channel No.         | 100 Ch        |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11000              | 49.97           | 3.36                          | V                 | 53.33             | 73.98             | 20.65          | PK                  |
| 11000              | 37.48           | 3.36                          | V                 | 40.84             | 53.98             | 13.14          | AV                  |
| 16500              | 51.19           | 5.07                          | V                 | 56.26             | 68.20             | 11.94          | PK                  |
| 11000              | 49.71           | 3.36                          | H                 | 53.07             | 73.98             | 20.91          | PK                  |
| 11000              | 37.13           | 3.36                          | H                 | 40.49             | 53.98             | 13.49          | AV                  |
| 16500              | 51.12           | 5.07                          | H                 | 56.19             | 68.20             | 12.01          | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 2C       |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5580 MHz      |
| Channel No.         | 116 Ch        |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11160              | 50.21           | 4.07                          | V                 | 54.28             | 73.98             | 19.70          | PK                  |
| 11160              | 36.39           | 4.07                          | V                 | 40.46             | 53.98             | 13.52          | AV                  |
| 16740              | 53.46           | 4.79                          | V                 | 58.25             | 68.20             | 9.95           | PK                  |
| 11160              | 49.75           | 4.07                          | H                 | 53.82             | 73.98             | 20.16          | PK                  |
| 11160              | 36.15           | 4.07                          | H                 | 40.22             | 53.98             | 13.76          | AV                  |
| 16740              | 53.10           | 4.79                          | H                 | 57.89             | 68.20             | 10.31          | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT20. Worst case is MCS0 in 802.11n\_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |               |
|---------------------|---------------|
| Band :              | UNII 2C       |
| Operation Mode:     | 802.11 n_HT20 |
| Operating Frequency | 5720 MHz      |
| Channel No.         | 144 Ch        |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11440              | 50.14           | 3.57                          | V                 | 53.71             | 73.98             | 20.27          | PK                  |
| 11440              | 36.02           | 3.57                          | V                 | 39.59             | 53.98             | 14.39          | AV                  |
| 17160              | 48.65           | 5.24                          | V                 | 53.89             | 68.20             | 14.31          | PK                  |
| 11440              | 49.79           | 3.57                          | H                 | 53.36             | 73.98             | 20.62          | PK                  |
| 11440              | 35.89           | 3.57                          | H                 | 39.46             | 53.98             | 14.52          | AV                  |
| 17160              | 48.51           | 5.24                          | H                 | 53.75             | 68.20             | 14.45          | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_ HT20. Worst case is MCS0 in 802.11n\_ HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 2C         |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5500MHz         |
| Channel No.         | 100 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11000              | 49.92           | 3.36                          | V                 | 53.28             | 73.98             | 20.70          | PK                  |
| 11000              | 37.45           | 3.36                          | V                 | 40.81             | 53.98             | 13.17          | AV                  |
| 16500              | 51.16           | 5.07                          | V                 | 56.23             | 68.20             | 11.97          | PK                  |
| 11000              | 49.64           | 3.36                          | H                 | 53.00             | 73.98             | 20.98          | PK                  |
| 11000              | 37.14           | 3.36                          | H                 | 40.50             | 53.98             | 13.48          | AV                  |
| 16500              | 51.11           | 5.07                          | H                 | 56.18             | 68.20             | 12.02          | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 2C         |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5580 MHz        |
| Channel No.         | 116 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11160              | 50.17           | 4.07                          | V                 | 54.24             | 73.98             | 19.74          | PK                  |
| 11160              | 36.34           | 4.07                          | V                 | 40.41             | 53.98             | 13.57          | AV                  |
| 16740              | 53.39           | 4.79                          | V                 | 58.18             | 68.20             | 10.02          | PK                  |
| 11160              | 49.71           | 4.07                          | H                 | 53.78             | 73.98             | 20.20          | PK                  |
| 11160              | 36.13           | 4.07                          | H                 | 40.20             | 53.98             | 13.78          | AV                  |
| 16740              | 53.04           | 4.79                          | H                 | 57.83             | 68.20             | 10.37          | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |                 |
|---------------------|-----------------|
| Band :              | UNII 2C         |
| Operation Mode:     | 802.11 ac_VHT20 |
| Operating Frequency | 5720 MHz        |
| Channel No.         | 144 Ch          |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11440              | 50.12           | 3.57                          | V                 | 53.69             | 73.98             | 20.29          | PK                  |
| 11440              | 36.10           | 3.57                          | V                 | 39.67             | 53.98             | 14.31          | AV                  |
| 17160              | 48.61           | 5.24                          | V                 | 53.85             | 68.20             | 14.35          | PK                  |
| 11440              | 49.74           | 3.57                          | H                 | 53.31             | 73.98             | 20.67          | PK                  |
| 11440              | 35.87           | 3.57                          | H                 | 39.44             | 53.98             | 14.54          | AV                  |
| 17160              | 48.50           | 5.24                          | H                 | 53.74             | 68.20             | 14.46          | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac\_VHT20. Worst case is MCS0 in 802.11ac\_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |              |
|---------------------|--------------|
| Band :              | UNII 2C      |
| Operation Mode:     | 802.11n_HT40 |
| Operating Frequency | 5510 MHz     |
| Channel No.         | 102 Ch       |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11020              | 49.99           | 2.97                          | V                 | 52.96             | 73.98             | 21.02          | PK                  |
| 11020              | 37.43           | 2.97                          | V                 | 40.40             | 53.98             | 13.58          | AV                  |
| 16530              | 51.21           | 4.15                          | V                 | 55.36             | 68.20             | 12.84          | PK                  |
| 11020              | 49.84           | 2.97                          | H                 | 52.81             | 73.98             | 21.17          | PK                  |
| 11020              | 37.52           | 2.97                          | H                 | 40.49             | 53.98             | 13.49          | AV                  |
| 16530              | 52.14           | 4.15                          | H                 | 56.29             | 68.20             | 11.91          | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |              |
|---------------------|--------------|
| Band :              | UNII 2C      |
| Operation Mode:     | 802.11n_HT40 |
| Operating Frequency | 5550 MHz     |
| Channel No.         | 110 Ch       |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11100              | 50.04           | 2.79                          | V                 | 52.83             | 73.98             | 21.15          | PK                  |
| 11100              | 36.31           | 2.79                          | V                 | 39.10             | 53.98             | 14.88          | AV                  |
| 16650              | 53.96           | 7.19                          | V                 | 61.15             | 68.20             | 7.05           | PK                  |
| 11100              | 49.58           | 2.79                          | H                 | 52.37             | 73.98             | 21.61          | PK                  |
| 11100              | 36.18           | 2.79                          | H                 | 38.97             | 53.98             | 15.01          | AV                  |
| 16650              | 53.85           | 7.19                          | H                 | 61.04             | 68.20             | 7.16           | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)

|                     |              |
|---------------------|--------------|
| Band :              | UNII 2C      |
| Operation Mode:     | 802.11n_HT40 |
| Operating Frequency | 5710 MHz     |
| Channel No.         | 142 Ch       |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp<br>G.+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11420              | 50.04           | 3.36                          | V                 | 53.40             | 73.98             | 20.58          | PK                  |
| 11420              | 36.51           | 3.36                          | V                 | 39.87             | 53.98             | 14.11          | AV                  |
| 17130              | 48.58           | 7.02                          | V                 | 55.60             | 68.20             | 12.60          | PK                  |
| 11420              | 49.88           | 3.36                          | H                 | 53.24             | 73.98             | 20.74          | PK                  |
| 11420              | 36.71           | 3.36                          | H                 | 40.07             | 53.98             | 13.91          | AV                  |
| 17130              | 48.69           | 7.02                          | H                 | 55.71             | 68.20             | 12.49          | PK                  |

\*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

#### Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n\_HT40. Worst case is MCS0 in 802.11n\_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor =  $20 \log (\text{test distance} / \text{specific distance})$  (dB)