

## Above 1 GHz

|                     |          |
|---------------------|----------|
| Band :              | UNII 1   |
| Operation Mode:     | 802.11 a |
| Transfer Rate:      | 6 Mbps   |
| Operating Frequency | 5180 MHz |
| Channel No.         | 36 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10360              | 69.49           | -6.00                 | V                 | 63.49             | 68.20             | 4.71           | PK                  |
| 15540              | 67.51           | -6.13                 | V                 | 61.38             | 73.98             | 12.60          | PK                  |
| 15540              | 52.12           | -6.13                 | V                 | 45.99             | 53.98             | 7.99           | AV                  |
| 10360              | 68.52           | -6.00                 | H                 | 62.52             | 68.20             | 5.68           | PK                  |
| 15540              | 67.14           | -6.13                 | H                 | 61.01             | 73.98             | 12.97          | PK                  |
| 15540              | 51.63           | -6.13                 | H                 | 45.50             | 53.98             | 8.48           | AV                  |

### 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
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.

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|---------------------|----------|
| Band :              | UNII 1   |
| Operation Mode:     | 802.11 a |
| Transfer Rate:      | 6 Mbps   |
| Operating Frequency | 5200 MHz |
| Channel No.         | 40 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10400              | 71.22           | -6.03                 | V                 | 65.19             | 68.20             | 3.01           | PK                  |
| 15600              | 70.70           | -6.71                 | V                 | 63.99             | 73.98             | 9.99           | PK                  |
| 15600              | 54.65           | -6.71                 | V                 | 47.94             | 53.98             | 6.04           | AV                  |
| 10400              | 70.89           | -6.03                 | H                 | 64.86             | 68.20             | 3.34           | PK                  |
| 15600              | 70.06           | -6.71                 | H                 | 63.35             | 73.98             | 10.63          | PK                  |
| 15600              | 53.86           | -6.71                 | H                 | 47.15             | 53.98             | 6.83           | AV                  |

#### 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
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.

|                     |          |
|---------------------|----------|
| Band :              | UNII 1   |
| Operation Mode:     | 802.11 a |
| Transfer Rate:      | 6 Mbps   |
| Operating Frequency | 5240 MHz |
| Channel No.         | 48 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10480              | 71.88           | -6.20                 | V                 | 65.68             | 73.98             | 8.30           | PK                  |
| 10480              | 56.88           | -6.20                 | V                 | 50.68             | 53.98             | 3.30           | AV                  |
| 15720              | 69.81           | -6.46                 | V                 | 63.35             | 73.98             | 10.63          | PK                  |
| 15720              | 54.20           | -6.46                 | V                 | 47.74             | 53.98             | 6.24           | AV                  |
| 10480              | 71.35           | -6.20                 | H                 | 65.15             | 73.98             | 8.83           | PK                  |
| 10480              | 56.13           | -6.20                 | H                 | 49.93             | 53.98             | 4.05           | AV                  |
| 15720              | 69.11           | -6.46                 | H                 | 62.65             | 73.98             | 11.33          | PK                  |
| 15720              | 53.75           | -6.46                 | H                 | 47.29             | 53.98             | 6.69           | AV                  |

#### 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
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

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 1             |
| Operation Mode:     | 802.11 n_20 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5180 MHz           |
| Channel No.         | 36 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10360              | 68.96           | -6.00                 | V                 | 62.96             | 68.20             | 5.24           | PK                  |
| 15540              | 66.39           | -6.13                 | V                 | 60.26             | 73.98             | 13.72          | PK                  |
| 15540              | 51.23           | -6.13                 | V                 | 45.10             | 53.98             | 8.88           | AV                  |
| 10360              | 68.13           | -6.00                 | H                 | 62.13             | 68.20             | 6.07           | PK                  |
| 15540              | 65.89           | -6.13                 | H                 | 59.76             | 73.98             | 14.22          | PK                  |
| 15540              | 50.48           | -6.13                 | H                 | 44.35             | 53.98             | 9.63           | AV                  |

#### 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
5. We have done all data rate in 802.11n\_20 MHz BW. Worst case is MCS0 in 802.11n\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 1             |
| Operation Mode:     | 802.11 n_20 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5200 MHz           |
| Channel No.         | 40 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10400              | 71.19           | -6.03                 | V                 | 65.16             | 68.20             | 3.04           | PK                  |
| 15600              | 70.06           | -6.71                 | V                 | 63.35             | 73.98             | 10.63          | PK                  |
| 15600              | 53.82           | -6.71                 | V                 | 47.11             | 53.98             | 6.87           | AV                  |
| 10400              | 70.36           | -6.03                 | H                 | 64.33             | 68.20             | 3.87           | PK                  |
| 15600              | 69.24           | -6.71                 | H                 | 62.53             | 73.98             | 11.45          | PK                  |
| 15600              | 53.13           | -6.71                 | H                 | 46.42             | 53.98             | 7.56           | AV                  |

#### 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
5. We have done all data rate in 802.11n\_20 MHz BW. Worst case is MCS0 in 802.11n\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 1             |
| Operation Mode:     | 802.11 n_20 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5240 MHz           |
| Channel No.         | 48 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10480              | 71.14           | -6.20                 | V                 | 64.94             | 68.20             | 3.26           | PK                  |
| 15720              | 69.91           | -6.46                 | V                 | 63.45             | 73.98             | 10.53          | PK                  |
| 15720              | 53.83           | -6.46                 | V                 | 47.37             | 53.98             | 6.61           | AV                  |
| 10480              | 70.44           | -6.20                 | H                 | 64.24             | 68.20             | 3.96           | PK                  |
| 15720              | 69.13           | -6.46                 | H                 | 62.67             | 73.98             | 11.31          | PK                  |
| 15720              | 53.21           | -6.46                 | H                 | 46.75             | 53.98             | 7.23           | AV                  |

#### 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
5. We have done all data rate in 802.11n\_20 MHz BW. Worst case is MCS0 in 802.11n\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                     |
|---------------------|---------------------|
| Band :              | UNII 1              |
| Operation Mode:     | 802.11 ac_20 MHz BW |
| Transfer MCS Index: | 0                   |
| Operating Frequency | 5180 MHz            |
| Channel No.         | 36 Ch               |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10360              | 68.00           | -6.00                 | V                 | 62.00             | 68.20             | 6.20           | PK                  |
| 15540              | 66.46           | -6.13                 | V                 | 60.33             | 73.98             | 13.65          | PK                  |
| 15540              | 51.09           | -6.13                 | V                 | 44.96             | 53.98             | 9.02           | AV                  |
| 10360              | 67.34           | -6.00                 | H                 | 61.34             | 68.20             | 6.86           | PK                  |
| 15540              | 65.87           | -6.13                 | H                 | 59.74             | 73.98             | 14.24          | PK                  |
| 15540              | 50.45           | -6.13                 | H                 | 44.32             | 53.98             | 9.66           | AV                  |

#### 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
5. We have done all data rate in 802.11ac\_20 MHz BW. Worst case is MCS0 in 802.11ac\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                     |
|---------------------|---------------------|
| Band :              | UNII 1              |
| Operation Mode:     | 802.11 ac_20 MHz BW |
| Transfer MCS Index: | 0                   |
| Operating Frequency | 5200 MHz            |
| Channel No.         | 40 Ch               |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10400              | 71.18           | -6.03                 | V                 | 65.15             | 68.20             | 3.05           | PK                  |
| 15600              | 70.49           | -6.71                 | V                 | 63.78             | 73.98             | 10.20          | PK                  |
| 15600              | 53.85           | -6.71                 | V                 | 47.14             | 53.98             | 6.84           | AV                  |
| 10400              | 70.28           | -6.03                 | H                 | 64.25             | 68.20             | 3.95           | PK                  |
| 15600              | 70.11           | -6.71                 | H                 | 63.40             | 73.98             | 10.58          | PK                  |
| 15600              | 53.14           | -6.71                 | H                 | 46.43             | 53.98             | 7.55           | AV                  |

#### 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
5. We have done all data rate in 802.11ac\_20 MHz BW. Worst case is MCS0 in 802.11ac\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                     |
|---------------------|---------------------|
| Band :              | UNII 1              |
| Operation Mode:     | 802.11 ac_20 MHz BW |
| Transfer MCS Index: | 0                   |
| Operating Frequency | 5240 MHz            |
| Channel No.         | 48 Ch               |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10480              | 70.79           | -6.20                 | V                 | 64.59             | 68.20             | 3.61           | PK                  |
| 15720              | 70.86           | -6.46                 | V                 | 64.40             | 73.98             | 9.58           | PK                  |
| 15720              | 54.03           | -6.46                 | V                 | 47.57             | 53.98             | 6.41           | AV                  |
| 10480              | 70.41           | -6.20                 | H                 | 64.21             | 68.20             | 3.99           | PK                  |
| 15720              | 70.05           | -6.46                 | H                 | 63.59             | 73.98             | 10.39          | PK                  |
| 15720              | 53.20           | -6.46                 | H                 | 46.74             | 53.98             | 7.24           | AV                  |

#### 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
5. We have done all data rate in 802.11ac\_20 MHz BW. Worst case is MCS0 in 802.11ac\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                   |
|---------------------|-------------------|
| Band :              | UNII 1            |
| Operation Mode:     | 802.11n_40 MHz BW |
| Transfer MCS Index: | 0                 |
| Operating Frequency | 5190 MHz          |
| Channel No.         | 38 Ch             |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10380              | 64.85           | -5.67                 | V                 | 59.18             | 68.20             | 9.02           | PK                  |
| 15570              | 63.82           | -5.86                 | V                 | 57.96             | 73.98             | 16.02          | PK                  |
| 15570              | 50.65           | -5.86                 | V                 | 44.79             | 53.98             | 9.19           | AV                  |
| 10380              | 64.10           | -5.67                 | H                 | 58.43             | 68.20             | 9.77           | PK                  |
| 15570              | 63.24           | -5.86                 | H                 | 57.38             | 73.98             | 16.60          | PK                  |
| 15570              | 50.03           | -5.86                 | H                 | 44.17             | 53.98             | 9.81           | AV                  |

#### 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
5. We have done all data rate in 802.11n\_40 MHz BW. Worst case is MCS0 in 802.11n\_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                   |
|---------------------|-------------------|
| Band :              | UNII 1            |
| Operation Mode:     | 802.11n_40 MHz BW |
| Transfer MCS Index: | 0                 |
| Operating Frequency | 5230 MHz          |
| Channel No.         | 46 Ch             |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10460              | 67.94           | -6.20                 | V                 | 61.74             | 68.20             | 6.46           | PK                  |
| 15690              | 68.34           | -6.34                 | V                 | 62.00             | 73.98             | 11.98          | PK                  |
| 15690              | 52.29           | -6.34                 | V                 | 45.95             | 53.98             | 8.03           | AV                  |
| 10460              | 67.11           | -6.20                 | H                 | 60.91             | 68.20             | 7.29           | PK                  |
| 15690              | 67.92           | -6.34                 | H                 | 61.58             | 73.98             | 12.40          | PK                  |
| 15690              | 51.55           | -6.34                 | H                 | 45.21             | 53.98             | 8.77           | AV                  |

#### 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
5. We have done all data rate in 802.11n\_40 MHz BW. Worst case is MCS0 in 802.11n\_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 1             |
| Operation Mode:     | 802.11ac_40 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5190 MHz           |
| Channel No.         | 38 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10380              | 65.03           | -5.67                 | V                 | 59.36             | 68.20             | 8.84           | PK                  |
| 15570              | 63.76           | -5.86                 | V                 | 57.90             | 73.98             | 16.08          | PK                  |
| 15570              | 50.62           | -5.86                 | V                 | 44.76             | 53.98             | 9.22           | AV                  |
| 10380              | 64.23           | -5.67                 | H                 | 58.56             | 68.20             | 9.64           | PK                  |
| 15570              | 63.38           | -5.86                 | H                 | 57.52             | 73.98             | 16.46          | PK                  |
| 15570              | 50.24           | -5.86                 | H                 | 44.38             | 53.98             | 9.60           | AV                  |

#### 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
5. We have done all data rate in 802.11ac\_40 MHz BW. Worst case is MCS0 in 802.11ac\_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 1             |
| Operation Mode:     | 802.11ac_40 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5230 MHz           |
| Channel No.         | 46 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10460              | 66.89           | -6.20                 | V                 | 60.69             | 68.20             | 7.51           | PK                  |
| 15690              | 67.28           | -6.34                 | V                 | 60.94             | 73.98             | 13.04          | PK                  |
| 15690              | 52.46           | -6.34                 | V                 | 46.12             | 53.98             | 7.86           | AV                  |
| 10460              | 66.25           | -6.20                 | H                 | 60.05             | 68.20             | 8.15           | PK                  |
| 15690              | 66.76           | -6.34                 | H                 | 60.42             | 73.98             | 13.56          | PK                  |
| 15690              | 51.80           | -6.34                 | H                 | 45.46             | 53.98             | 8.52           | AV                  |

#### 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
5. We have done all data rate in 802.11ac\_40 MHz BW. Worst case is MCS0 in 802.11ac\_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 1             |
| Operation Mode:     | 802.11ac_80 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5210 MHz           |
| Channel No.         | 42 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10420              | 63.72           | -5.93                 | V                 | 57.79             | 68.20             | 10.41          | PK                  |
| 15630              | 63.41           | -6.78                 | V                 | 56.63             | 73.98             | 17.35          | PK                  |
| 15630              | 51.79           | -6.78                 | V                 | 45.01             | 53.98             | 8.97           | AV                  |
| 10420              | 63.38           | -5.93                 | H                 | 57.45             | 68.20             | 10.75          | PK                  |
| 15630              | 63.14           | -6.78                 | H                 | 56.36             | 73.98             | 17.62          | PK                  |
| 15630              | 51.53           | -6.78                 | H                 | 44.75             | 53.98             | 9.23           | AV                  |

#### 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
5. We have done all data rate in 802.11ac\_80 MHz BW. Worst case is MCS0 in 802.11ac\_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |          |
|---------------------|----------|
| Band :              | UNII 2A  |
| Operation Mode:     | 802.11 a |
| Transfer MCS Index: | 6 Mbps   |
| Operating Frequency | 5260 MHz |
| Channel No.         | 52 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10520              | 70.08           | -6.00                 | V                 | 64.08             | 68.20             | 4.12           | PK                  |
| 15780              | 72.31           | -6.34                 | V                 | 65.97             | 73.98             | 8.01           | PK                  |
| 15780              | 56.02           | -6.34                 | V                 | 49.68             | 53.98             | 4.30           | AV                  |
| 10520              | 69.23           | -6.52                 | H                 | 62.71             | 68.20             | 5.49           | PK                  |
| 15780              | 71.64           | -6.34                 | H                 | 65.30             | 73.98             | 8.68           | PK                  |
| 15780              | 55.43           | -6.34                 | H                 | 49.09             | 53.98             | 4.89           | AV                  |

#### 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
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.

|                     |          |
|---------------------|----------|
| Band :              | UNII 2A  |
| Operation Mode:     | 802.11 a |
| Transfer Rate:      | 6 Mbps   |
| Operating Frequency | 5300 MHz |
| Channel No.         | 60 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10600              | 71.02           | -6.00                 | V                 | 65.02             | 73.98             | 8.96           | PK                  |
| 10600              | 56.17           | -6.00                 | V                 | 50.17             | 53.98             | 3.81           | AV                  |
| 15900              | 72.32           | -6.70                 | V                 | 65.62             | 73.98             | 8.36           | PK                  |
| 15900              | 56.06           | -6.70                 | V                 | 49.36             | 53.98             | 4.62           | AV                  |
| 10600              | 70.28           | -6.00                 | H                 | 64.28             | 73.98             | 9.70           | PK                  |
| 10600              | 55.69           | -6.00                 | H                 | 49.69             | 53.98             | 4.29           | AV                  |
| 15900              | 71.54           | -6.70                 | H                 | 64.84             | 73.98             | 9.14           | PK                  |
| 15900              | 55.38           | -6.70                 | H                 | 48.68             | 53.98             | 5.30           | AV                  |

#### 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
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.

|                     |          |
|---------------------|----------|
| Band :              | UNII 2A  |
| Operation Mode:     | 802.11 a |
| Transfer Rate:      | 6 Mbps   |
| Operating Frequency | 5320 MHz |
| Channel No.         | 64 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10640              | 68.40           | -5.60                 | V                 | 62.80             | 73.98             | 11.18          | PK                  |
| 10640              | 53.61           | -5.60                 | V                 | 48.01             | 53.98             | 5.97           | AV                  |
| 15960              | 67.53           | -6.81                 | V                 | 60.72             | 73.98             | 13.26          | PK                  |
| 15960              | 51.83           | -6.81                 | V                 | 45.02             | 53.98             | 8.96           | AV                  |
| 10640              | 67.52           | -5.60                 | H                 | 61.92             | 73.98             | 12.06          | PK                  |
| 10640              | 52.87           | -5.60                 | H                 | 47.27             | 53.98             | 6.71           | AV                  |
| 15960              | 66.91           | -6.81                 | H                 | 60.10             | 73.98             | 13.88          | PK                  |
| 15960              | 51.24           | -6.81                 | H                 | 44.43             | 53.98             | 9.55           | AV                  |

#### 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
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

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 2A            |
| Operation Mode:     | 802.11 n_20 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5260 MHz           |
| Channel No.         | 52 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10520              | 69.74           | -6.00                 | V                 | 63.74             | 68.20             | 4.46           | PK                  |
| 15780              | 71.42           | -6.34                 | V                 | 65.08             | 73.98             | 8.90           | PK                  |
| 15780              | 55.49           | -6.34                 | V                 | 49.15             | 53.98             | 4.83           | AV                  |
| 10520              | 69.11           | -6.52                 | H                 | 62.59             | 68.20             | 5.61           | PK                  |
| 15780              | 70.20           | -6.34                 | H                 | 63.86             | 73.98             | 10.12          | PK                  |
| 15780              | 54.76           | -6.34                 | H                 | 48.42             | 53.98             | 5.56           | AV                  |

#### 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
5. We have done all data rate in 802.11n\_20 MHz BW. Worst case is MCS0 in 802.11n\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 2A            |
| Operation Mode:     | 802.11 n_20 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5300 MHz           |
| Channel No.         | 60 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10600              | 70.41           | -6.00                 | V                 | 64.41             | 73.98             | 9.57           | PK                  |
| 10600              | 55.29           | -6.00                 | V                 | 49.29             | 53.98             | 4.69           | AV                  |
| 15900              | 71.48           | -6.70                 | V                 | 64.78             | 73.98             | 9.20           | PK                  |
| 15900              | 55.15           | -6.70                 | V                 | 48.45             | 53.98             | 5.53           | AV                  |
| 10600              | 69.52           | -6.00                 | H                 | 63.52             | 73.98             | 10.46          | PK                  |
| 10600              | 54.51           | -6.00                 | H                 | 48.51             | 53.98             | 5.47           | AV                  |
| 15900              | 70.85           | -6.70                 | H                 | 64.15             | 73.98             | 9.83           | PK                  |
| 15900              | 54.23           | -6.70                 | H                 | 47.53             | 53.98             | 6.45           | AV                  |

#### 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
5. We have done all data rate in 802.11n\_20 MHz BW. Worst case is MCS0 in 802.11n\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 2A            |
| Operation Mode:     | 802.11 n_20 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5320 MHz           |
| Channel No.         | 64 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10640              | 67.07           | -5.60                 | V                 | 61.47             | 73.98             | 12.51          | PK                  |
| 10640              | 53.29           | -5.60                 | V                 | 47.69             | 53.98             | 6.29           | AV                  |
| 15960              | 67.24           | -6.81                 | V                 | 60.43             | 73.98             | 13.55          | PK                  |
| 15960              | 51.23           | -6.81                 | V                 | 44.42             | 53.98             | 9.56           | AV                  |
| 10640              | 66.13           | -5.60                 | H                 | 60.53             | 73.98             | 13.45          | PK                  |
| 10640              | 52.66           | -5.60                 | H                 | 47.06             | 53.98             | 6.92           | AV                  |
| 15960              | 66.41           | -6.81                 | H                 | 59.60             | 73.98             | 14.38          | PK                  |
| 15960              | 50.48           | -6.81                 | H                 | 43.67             | 53.98             | 10.31          | AV                  |

#### 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
5. We have done all data rate in 802.11n\_20 MHz BW. Worst case is MCS0 in 802.11n\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                     |
|---------------------|---------------------|
| Band :              | UNII 2A             |
| Operation Mode:     | 802.11 ac_20 MHz BW |
| Transfer MCS Index: | 0                   |
| Operating Frequency | 5260MHz             |
| Channel No.         | 52 Ch               |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10520              | 70.06           | -6.00                 | V                 | 64.06             | 68.20             | 4.14           | PK                  |
| 15780              | 71.83           | -6.34                 | V                 | 65.49             | 73.98             | 8.49           | PK                  |
| 15780              | 55.28           | -6.34                 | V                 | 48.94             | 53.98             | 5.04           | AV                  |
| 10520              | 69.68           | -6.52                 | H                 | 63.16             | 68.20             | 5.04           | PK                  |
| 15780              | 71.45           | -6.34                 | H                 | 65.11             | 73.98             | 8.87           | PK                  |
| 15780              | 54.66           | -6.34                 | H                 | 48.32             | 53.98             | 5.66           | AV                  |

#### 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
5. We have done all data rate in 802.11ac\_20 MHz BW. Worst case is MCS0 in 802.11ac\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                     |
|---------------------|---------------------|
| Band :              | UNII 2A             |
| Operation Mode:     | 802.11 ac_20 MHz BW |
| Transfer MCS Index: | 0                   |
| Operating Frequency | 5300 MHz            |
| Channel No.         | 60 Ch               |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10600              | 69.64           | -6.00                 | V                 | 63.64             | 73.98             | 10.34          | PK                  |
| 10600              | 55.38           | -6.00                 | V                 | 49.38             | 53.98             | 4.60           | AV                  |
| 15900              | 72.15           | -6.70                 | V                 | 65.45             | 73.98             | 8.53           | PK                  |
| 15900              | 55.08           | -6.70                 | V                 | 48.38             | 53.98             | 5.60           | AV                  |
| 10600              | 69.29           | -6.00                 | H                 | 63.29             | 73.98             | 10.69          | PK                  |
| 10600              | 54.85           | -6.00                 | H                 | 48.85             | 53.98             | 5.13           | AV                  |
| 15900              | 71.33           | -6.70                 | H                 | 64.63             | 73.98             | 9.35           | PK                  |
| 15900              | 54.42           | -6.70                 | H                 | 47.72             | 53.98             | 6.26           | AV                  |

#### 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
5. We have done all data rate in 802.11ac\_20 MHz BW. Worst case is MCS0 in 802.11ac\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                     |
|---------------------|---------------------|
| Band :              | UNII 2A             |
| Operation Mode:     | 802.11 ac_20 MHz BW |
| Transfer MCS Index: | 0                   |
| Operating Frequency | 5320 MHz            |
| Channel No.         | 64 Ch               |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10640              | 68.57           | -5.60                 | V                 | 62.97             | 73.98             | 11.01          | PK                  |
| 10640              | 53.47           | -5.60                 | V                 | 47.87             | 53.98             | 6.11           | AV                  |
| 15960              | 66.66           | -6.81                 | V                 | 59.85             | 73.98             | 14.13          | PK                  |
| 15960              | 51.17           | -6.81                 | V                 | 44.36             | 53.98             | 9.62           | AV                  |
| 10640              | 68.11           | -5.60                 | H                 | 62.51             | 73.98             | 11.47          | PK                  |
| 10640              | 52.85           | -5.60                 | H                 | 47.25             | 53.98             | 6.73           | AV                  |
| 15960              | 65.80           | -6.81                 | H                 | 58.99             | 73.98             | 14.99          | PK                  |
| 15960              | 50.34           | -6.81                 | H                 | 43.53             | 53.98             | 10.45          | AV                  |

#### 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
5. We have done all data rate in 802.11ac\_20 MHz BW. Worst case is MCS0 in 802.11ac\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                   |
|---------------------|-------------------|
| Band :              | UNII 2A           |
| Operation Mode:     | 802.11n_40 MHz BW |
| Transfer MCS Index: | 0                 |
| Operating Frequency | 5270 MHz          |
| Channel No.         | 54 Ch             |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10540              | 66.39           | -5.68                 | V                 | 60.71             | 68.20             | 7.49           | PK                  |
| 15810              | 69.61           | -7.39                 | V                 | 62.22             | 73.98             | 11.76          | PK                  |
| 15810              | 52.75           | -7.39                 | V                 | 45.36             | 53.98             | 8.62           | AV                  |
| 10540              | 65.77           | -5.68                 | H                 | 60.09             | 68.20             | 8.11           | PK                  |
| 15810              | 69.02           | -7.39                 | H                 | 61.63             | 73.98             | 12.35          | PK                  |
| 15810              | 52.16           | -7.39                 | H                 | 44.77             | 53.98             | 9.21           | AV                  |

#### 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
5. We have done all data rate in 802.11n\_40 MHz BW. Worst case is MCS0 in 802.11n\_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                   |
|---------------------|-------------------|
| Band :              | UNII 2A           |
| Operation Mode:     | 802.11n_40 MHz BW |
| Transfer MCS Index: | 0                 |
| Operating Frequency | 5310 MHz          |
| Channel No.         | 62 Ch             |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10620              | 63.80           | -6.00                 | V                 | 57.80             | 73.98             | 16.18          | PK                  |
| 10620              | 50.80           | -6.00                 | V                 | 44.80             | 53.98             | 9.18           | AV                  |
| 15930              | 64.22           | -6.68                 | V                 | 57.54             | 73.98             | 16.44          | PK                  |
| 15930              | 50.30           | -6.68                 | V                 | 43.62             | 53.98             | 10.36          | AV                  |
| 10620              | 63.17           | -6.00                 | H                 | 57.17             | 73.98             | 16.81          | PK                  |
| 10620              | 50.24           | -6.00                 | H                 | 44.24             | 53.98             | 9.74           | AV                  |
| 15930              | 63.58           | -6.68                 | H                 | 56.90             | 73.98             | 17.08          | PK                  |
| 15930              | 49.86           | -6.68                 | H                 | 43.18             | 53.98             | 10.80          | AV                  |

#### 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
5. We have done all data rate in 802.11n\_40 MHz BW. Worst case is MCS0 in 802.11n\_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 2A            |
| Operation Mode:     | 802.11ac_40 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5270 MHz           |
| Channel No.         | 54 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10540              | 66.38           | -5.68                 | V                 | 60.70             | 68.20             | 7.50           | PK                  |
| 15810              | 67.56           | -7.39                 | V                 | 60.17             | 73.98             | 13.81          | PK                  |
| 15810              | 52.69           | -7.39                 | V                 | 45.30             | 53.98             | 8.68           | AV                  |
| 10540              | 65.71           | -5.68                 | H                 | 60.03             | 68.20             | 8.17           | PK                  |
| 15810              | 66.85           | -7.39                 | H                 | 59.46             | 73.98             | 14.52          | PK                  |
| 15810              | 52.14           | -7.39                 | H                 | 44.75             | 53.98             | 9.23           | AV                  |

#### 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
5. We have done all data rate in 802.11ac\_40 MHz BW. Worst case is MCS0 in 802.11ac\_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 2A            |
| Operation Mode:     | 802.11ac_40 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5310 MHz           |
| Channel No.         | 62 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10620              | 64.02           | -6.00                 | V                 | 58.02             | 73.98             | 15.96          | PK                  |
| 10620              | 50.92           | -6.00                 | V                 | 44.92             | 53.98             | 9.06           | AV                  |
| 15930              | 63.14           | -6.68                 | V                 | 56.46             | 73.98             | 17.52          | PK                  |
| 15930              | 50.17           | -6.68                 | V                 | 43.49             | 53.98             | 10.49          | AV                  |
| 10620              | 63.70           | -6.00                 | H                 | 57.70             | 73.98             | 16.28          | PK                  |
| 10620              | 50.43           | -6.00                 | H                 | 44.43             | 53.98             | 9.55           | AV                  |
| 15930              | 62.87           | -6.68                 | H                 | 56.19             | 73.98             | 17.79          | PK                  |
| 15930              | 49.82           | -6.68                 | H                 | 43.14             | 53.98             | 10.84          | AV                  |

#### 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
5. We have done all data rate in 802.11ac\_40 MHz BW. Worst case is MCS0 in 802.11ac\_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 2A            |
| Operation Mode:     | 802.11ac_80 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5290 MHz           |
| Channel No.         | 58 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10580              | 63.55           | -5.73                 | V                 | 57.82             | 68.20             | 10.38          | PK                  |
| 15870              | 63.55           | -6.81                 | V                 | 56.74             | 73.98             | 17.24          | PK                  |
| 15870              | 51.80           | -6.81                 | V                 | 44.99             | 53.98             | 8.99           | AV                  |
| 10580              | 63.28           | -5.73                 | H                 | 57.55             | 68.20             | 10.65          | PK                  |
| 15870              | 63.20           | -6.81                 | H                 | 56.39             | 73.98             | 17.59          | PK                  |
| 15870              | 51.55           | -6.81                 | H                 | 44.74             | 53.98             | 9.24           | AV                  |

#### 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
5. We have done all data rate in 802.11ac\_80 MHz BW. Worst case is MCS0 in 802.11ac\_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |          |
|---------------------|----------|
| Band :              | UNII 2C  |
| Operation Mode:     | 802.11 a |
| Transfer Rate:      | 6 Mbps   |
| Operating Frequency | 5500 MHz |
| Channel No.         | 100 Ch   |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11000              | 64.97           | -4.61                 | V                 | 60.36             | 73.98             | 13.62          | PK                  |
| 11000              | 50.11           | -4.61                 | V                 | 45.50             | 53.98             | 8.48           | AV                  |
| 16500              | 64.09           | -4.10                 | V                 | 59.99             | 68.20             | 8.21           | PK                  |
| 11000              | 63.84           | -4.61                 | H                 | 59.23             | 73.98             | 14.75          | PK                  |
| 11000              | 49.63           | -4.61                 | H                 | 45.02             | 53.98             | 8.96           | AV                  |
| 16500              | 63.27           | -4.10                 | H                 | 59.17             | 68.20             | 9.03           | PK                  |

#### 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
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.

|                     |          |
|---------------------|----------|
| Band :              | UNII 2C  |
| Operation Mode:     | 802.11 a |
| Transfer Rate:      | 6 Mbps   |
| Operating Frequency | 5580 MHz |
| Channel No.         | 116 Ch   |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11160              | 67.12           | -5.27                 | V                 | 61.85             | 73.98             | 12.13          | PK                  |
| 11160              | 51.98           | -5.27                 | V                 | 46.71             | 53.98             | 7.27           | AV                  |
| 16740              | 65.71           | -3.23                 | V                 | 62.48             | 68.20             | 5.72           | PK                  |
| 11160              | 66.36           | -5.27                 | H                 | 61.09             | 73.98             | 12.89          | PK                  |
| 11160              | 51.42           | -5.27                 | H                 | 46.15             | 53.98             | 7.83           | AV                  |
| 16740              | 65.14           | -3.23                 | H                 | 61.91             | 68.20             | 6.29           | PK                  |

#### 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
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.

|                     |          |
|---------------------|----------|
| Band :              | UNII 2C  |
| Operation Mode:     | 802.11 a |
| Transfer Rate:      | 6 Mbps   |
| Operating Frequency | 5720 MHz |
| Channel No.         | 144 Ch   |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11440              | 68.40           | -5.41                 | V                 | 62.99             | 73.98             | 10.99          | PK                  |
| 11440              | 53.33           | -5.41                 | V                 | 47.92             | 53.98             | 6.06           | AV                  |
| 17160              | 64.81           | -0.96                 | V                 | 63.85             | 68.20             | 4.35           | PK                  |
| 11440              | 67.60           | -5.41                 | H                 | 62.19             | 73.98             | 11.79          | PK                  |
| 11440              | 52.85           | -5.41                 | H                 | 47.44             | 53.98             | 6.54           | AV                  |
| 17160              | 64.67           | -0.96                 | H                 | 63.71             | 68.20             | 4.49           | PK                  |

#### 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
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

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 2C            |
| Operation Mode:     | 802.11 n_20 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5500 MHz           |
| Channel No.         | 100 Ch             |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11000              | 63.57           | -4.61                 | V                 | 58.96             | 73.98             | 15.02          | PK                  |
| 11000              | 49.72           | -4.61                 | V                 | 45.11             | 53.98             | 8.87           | AV                  |
| 16500              | 63.39           | -4.10                 | V                 | 59.29             | 68.20             | 8.91           | PK                  |
| 11000              | 63.10           | -4.61                 | H                 | 58.49             | 73.98             | 15.49          | PK                  |
| 11000              | 49.36           | -4.61                 | H                 | 44.75             | 53.98             | 9.23           | AV                  |
| 16500              | 62.88           | -4.10                 | H                 | 58.78             | 68.20             | 9.42           | PK                  |

#### 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
5. We have done all data rate in 802.11n\_20 MHz BW. Worst case is MCS0 in 802.11n\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 2C            |
| Operation Mode:     | 802.11 n_20 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5580 MHz           |
| Channel No.         | 116 Ch             |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11160              | 66.82           | -5.27                 | V                 | 61.55             | 73.98             | 12.43          | PK                  |
| 11160              | 51.48           | -5.27                 | V                 | 46.21             | 53.98             | 7.77           | AV                  |
| 16740              | 65.71           | -3.23                 | V                 | 62.48             | 68.20             | 5.72           | PK                  |
| 11160              | 66.27           | -5.27                 | H                 | 61.00             | 73.98             | 12.98          | PK                  |
| 11160              | 51.14           | -5.27                 | H                 | 45.87             | 53.98             | 8.11           | AV                  |
| 16740              | 65.36           | -3.23                 | H                 | 62.13             | 68.20             | 6.07           | PK                  |

#### 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
5. We have done all data rate in 802.11n\_20 MHz BW. Worst case is MCS0 in 802.11n\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 2C            |
| Operation Mode:     | 802.11 n_20 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5720 MHz           |
| Channel No.         | 144 Ch             |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11440              | 67.56           | -5.41                 | V                 | 62.15             | 73.98             | 11.83          | PK                  |
| 11440              | 52.63           | -5.41                 | V                 | 47.22             | 53.98             | 6.76           | AV                  |
| 17160              | 65.00           | -0.96                 | V                 | 64.04             | 68.20             | 4.16           | PK                  |
| 11440              | 67.15           | -5.41                 | H                 | 61.74             | 73.98             | 12.24          | PK                  |
| 11440              | 52.38           | -5.41                 | H                 | 46.97             | 53.98             | 7.01           | AV                  |
| 17160              | 64.75           | -0.96                 | H                 | 63.79             | 68.20             | 4.41           | PK                  |

#### 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
5. We have done all data rate in 802.11n\_20 MHz BW. Worst case is MCS0 in 802.11n\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                     |
|---------------------|---------------------|
| Band :              | UNII 2C             |
| Operation Mode:     | 802.11 ac_20 MHz BW |
| Transfer MCS Index: | 0                   |
| Operating Frequency | 5500MHz             |
| Channel No.         | 100 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11000              | 63.16           | -4.61                 | V                 | 58.55             | 73.98             | 15.43          | PK                  |
| 11000              | 49.79           | -4.61                 | V                 | 45.18             | 53.98             | 8.80           | AV                  |
| 16500              | 63.96           | -4.10                 | V                 | 59.86             | 68.20             | 8.34           | PK                  |
| 11000              | 62.85           | -4.61                 | H                 | 58.24             | 73.98             | 15.74          | PK                  |
| 11000              | 49.53           | -4.61                 | H                 | 44.92             | 53.98             | 9.06           | AV                  |
| 16500              | 63.42           | -4.10                 | H                 | 59.32             | 68.20             | 8.88           | PK                  |

#### 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
5. We have done all data rate in 802.11ac\_20 MHz BW. Worst case is MCS0 in 802.11ac\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                     |
|---------------------|---------------------|
| Band :              | UNII 2C             |
| Operation Mode:     | 802.11 ac_20 MHz BW |
| Transfer MCS Index: | 0                   |
| Operating Frequency | 5580 MHz            |
| Channel No.         | 116 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11160              | 67.58           | -5.27                 | V                 | 62.31             | 73.98             | 11.67          | PK                  |
| 11160              | 51.56           | -5.27                 | V                 | 46.29             | 53.98             | 7.69           | AV                  |
| 16740              | 65.84           | -3.23                 | V                 | 62.61             | 68.20             | 5.59           | PK                  |
| 11160              | 67.14           | -5.27                 | H                 | 61.87             | 73.98             | 12.11          | PK                  |
| 11160              | 51.28           | -5.27                 | H                 | 46.01             | 53.98             | 7.97           | AV                  |
| 16740              | 65.37           | -3.23                 | H                 | 62.14             | 68.20             | 6.06           | PK                  |

#### 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
5. We have done all data rate in 802.11ac\_20 MHz BW. Worst case is MCS0 in 802.11ac\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                     |
|---------------------|---------------------|
| Band :              | UNII 2C             |
| Operation Mode:     | 802.11 ac_20 MHz BW |
| Transfer MCS Index: | 0                   |
| Operating Frequency | 5720 MHz            |
| Channel No.         | 144 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11440              | 68.26           | -5.41                 | V                 | 62.85             | 73.98             | 11.13          | PK                  |
| 11440              | 52.67           | -5.41                 | V                 | 47.26             | 53.98             | 6.72           | AV                  |
| 17160              | 64.62           | -0.96                 | V                 | 63.66             | 68.20             | 4.54           | PK                  |
| 11440              | 67.64           | -5.41                 | H                 | 62.23             | 73.98             | 11.75          | PK                  |
| 11440              | 52.33           | -5.41                 | H                 | 46.92             | 53.98             | 7.06           | AV                  |
| 17160              | 63.97           | -0.96                 | H                 | 63.01             | 68.20             | 5.19           | PK                  |

#### 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
5. We have done all data rate in 802.11ac\_20 MHz BW. Worst case is MCS0 in 802.11ac\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                   |
|---------------------|-------------------|
| Band :              | UNII 2C           |
| Operation Mode:     | 802.11n_40 MHz BW |
| Transfer MCS Index: | 0                 |
| Operating Frequency | 5510 MHz          |
| Channel No.         | 102 Ch            |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11020              | 62.83           | -4.79                 | V                 | 58.04             | 73.98             | 15.94          | PK                  |
| 11020              | 49.48           | -4.79                 | V                 | 44.69             | 53.98             | 9.29           | AV                  |
| 16530              | 62.18           | -3.89                 | V                 | 58.29             | 68.20             | 9.91           | PK                  |
| 11020              | 62.61           | -4.79                 | H                 | 57.82             | 73.98             | 16.16          | PK                  |
| 11020              | 49.13           | -4.79                 | H                 | 44.34             | 53.98             | 9.64           | AV                  |
| 16530              | 62.05           | -3.89                 | H                 | 58.16             | 68.20             | 10.04          | PK                  |

#### 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
5. We have done all data rate in 802.11n\_40 MHz BW. Worst case is MCS0 in 802.11n\_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                   |
|---------------------|-------------------|
| Band :              | UNII 2C           |
| Operation Mode:     | 802.11n_40 MHz BW |
| Transfer MCS Index: | 0                 |
| Operating Frequency | 5550 MHz          |
| Channel No.         | 110 Ch            |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11100              | 63.91           | -5.46                 | V                 | 58.45             | 73.98             | 15.53          | PK                  |
| 11100              | 50.15           | -5.46                 | V                 | 44.69             | 53.98             | 9.29           | AV                  |
| 16650              | 64.68           | -3.16                 | V                 | 61.52             | 68.20             | 6.68           | PK                  |
| 11100              | 63.50           | -5.46                 | H                 | 58.04             | 73.98             | 15.94          | PK                  |
| 11100              | 49.67           | -5.46                 | H                 | 44.21             | 53.98             | 9.77           | AV                  |
| 16650              | 64.28           | -3.16                 | H                 | 61.12             | 68.20             | 7.08           | PK                  |

#### 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
5. We have done all data rate in 802.11n\_40 MHz BW. Worst case is MCS0 in 802.11n\_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                   |
|---------------------|-------------------|
| Band :              | UNII 2C           |
| Operation Mode:     | 802.11n_40 MHz BW |
| Transfer MCS Index: | 0                 |
| Operating Frequency | 5710 MHz          |
| Channel No.         | 142 Ch            |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11420              | 65.89           | -4.74                 | V                 | 61.15             | 73.98             | 12.83          | PK                  |
| 11420              | 51.62           | -4.74                 | V                 | 46.88             | 53.98             | 7.10           | AV                  |
| 17130              | 62.77           | -1.46                 | V                 | 61.31             | 68.20             | 6.89           | PK                  |
| 11420              | 65.66           | -4.74                 | H                 | 60.92             | 73.98             | 13.06          | PK                  |
| 11420              | 51.31           | -4.74                 | H                 | 46.57             | 53.98             | 7.41           | AV                  |
| 17130              | 62.52           | -1.46                 | H                 | 61.06             | 68.20             | 7.14           | PK                  |

#### 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
5. We have done all data rate in 802.11n\_40 MHz BW. Worst case is MCS0 in 802.11n\_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 2C            |
| Operation Mode:     | 802.11ac_40 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5510 MHz           |
| Channel No.         | 102 Ch             |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11020              | 62.15           | -4.79                 | V                 | 57.36             | 73.98             | 16.62          | PK                  |
| 11020              | 49.53           | -4.79                 | V                 | 44.74             | 53.98             | 9.24           | AV                  |
| 16530              | 62.24           | -3.89                 | V                 | 58.35             | 68.20             | 9.85           | PK                  |
| 11020              | 61.85           | -4.79                 | H                 | 57.06             | 73.98             | 16.92          | PK                  |
| 11020              | 49.14           | -4.79                 | H                 | 44.35             | 53.98             | 9.63           | AV                  |
| 16530              | 61.96           | -3.89                 | H                 | 58.07             | 68.20             | 10.13          | PK                  |

#### 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
5. We have done all data rate in 802.11ac\_40 MHz BW. Worst case is MCS0 in 802.11ac\_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 2C            |
| Operation Mode:     | 802.11ac_40 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5550 MHz           |
| Channel No.         | 110 Ch             |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11100              | 63.61           | -5.46                 | V                 | 58.15             | 73.98             | 15.83          | PK                  |
| 11100              | 50.13           | -5.46                 | V                 | 44.67             | 53.98             | 9.31           | AV                  |
| 16650              | 63.20           | -3.16                 | V                 | 60.04             | 68.20             | 8.16           | PK                  |
| 11100              | 63.16           | -5.46                 | H                 | 57.70             | 73.98             | 16.28          | PK                  |
| 11100              | 49.77           | -5.46                 | H                 | 44.31             | 53.98             | 9.67           | AV                  |
| 16650              | 62.88           | -3.16                 | H                 | 59.72             | 68.20             | 8.48           | PK                  |

#### 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
5. We have done all data rate in 802.11ac\_40 MHz BW. Worst case is MCS0 in 802.11ac\_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 2C            |
| Operation Mode:     | 802.11ac_40 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5710 MHz           |
| Channel No.         | 142 Ch             |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11420              | 65.32           | -4.74                 | V                 | 60.58             | 73.98             | 13.40          | PK                  |
| 11420              | 51.51           | -4.74                 | V                 | 46.77             | 53.98             | 7.21           | AV                  |
| 17130              | 62.83           | -1.46                 | V                 | 61.37             | 68.20             | 6.83           | PK                  |
| 11420              | 64.85           | -4.74                 | H                 | 60.11             | 73.98             | 13.87          | PK                  |
| 11420              | 51.23           | -4.74                 | H                 | 46.49             | 53.98             | 7.49           | AV                  |
| 17130              | 62.28           | -1.46                 | H                 | 60.82             | 68.20             | 7.38           | PK                  |

#### 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
5. We have done all data rate in 802.11ac\_40 MHz BW. Worst case is MCS0 in 802.11ac\_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 2C            |
| Operation Mode:     | 802.11ac_80 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5530 MHz           |
| Channel No.         | 106 Ch             |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11060              | 62.57           | -5.10                 | V                 | 57.47             | 73.98             | 16.51          | PK                  |
| 11060              | 50.68           | -5.10                 | V                 | 45.58             | 53.98             | 8.40           | AV                  |
| 16590              | 63.08           | -3.19                 | V                 | 59.89             | 68.20             | 8.31           | PK                  |
| 11060              | 62.30           | -5.10                 | H                 | 57.20             | 73.98             | 16.78          | PK                  |
| 11060              | 50.43           | -5.10                 | H                 | 45.33             | 53.98             | 8.65           | AV                  |
| 16590              | 62.74           | -3.19                 | H                 | 59.55             | 68.20             | 8.65           | PK                  |

#### 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
5. We have done all data rate in 802.11ac\_80 MHz BW. Worst case is MCS0 in 802.11ac\_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 2C            |
| Operation Mode:     | 802.11ac_80 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5610 MHz           |
| Channel No.         | 122 Ch             |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11220              | 63.42           | -6.76                 | V                 | 56.66             | 73.98             | 17.32          | PK                  |
| 11220              | 51.26           | -6.76                 | V                 | 44.50             | 53.98             | 9.48           | AV                  |
| 16830              | 62.24           | -2.61                 | V                 | 59.63             | 68.20             | 8.57           | PK                  |
| 11220              | 63.33           | -6.76                 | H                 | 56.57             | 73.98             | 17.41          | PK                  |
| 11220              | 51.19           | -6.76                 | H                 | 44.43             | 53.98             | 9.55           | AV                  |
| 16830              | 62.05           | -2.61                 | H                 | 59.44             | 68.20             | 8.76           | PK                  |

#### 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
5. We have done all data rate in 802.11ac\_80 MHz BW. Worst case is MCS0 in 802.11ac\_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 2C            |
| Operation Mode:     | 802.11ac_80 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5690 MHz           |
| Channel No.         | 138 Ch             |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11380              | 63.29           | -5.00                 | V                 | 58.29             | 73.98             | 15.69          | PK                  |
| 11380              | 51.39           | -5.00                 | V                 | 46.39             | 53.98             | 7.59           | AV                  |
| 17070              | 61.98           | -1.40                 | V                 | 60.58             | 68.20             | 7.62           | PK                  |
| 11380              | 63.20           | -5.00                 | H                 | 58.20             | 73.98             | 15.78          | PK                  |
| 11380              | 51.27           | -5.00                 | H                 | 46.27             | 53.98             | 7.71           | AV                  |
| 17070              | 61.60           | -1.40                 | H                 | 60.20             | 68.20             | 8.00           | PK                  |

#### 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
5. We have done all data rate in 802.11ac\_80 MHz BW. Worst case is MCS0 in 802.11ac\_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |          |
|---------------------|----------|
| Band :              | UNII 3   |
| Operation Mode:     | 802.11 a |
| Transfer Rate:      | 6 Mbps   |
| Operating Frequency | 5745MHz  |
| Channel No.         | 149 Ch   |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11490              | 69.16           | -5.43                 | V                 | 63.73             | 73.98             | 10.25          | PK                  |
| 11490              | 54.37           | -5.43                 | V                 | 48.94             | 53.98             | 5.04           | AV                  |
| 17235              | 64.78           | -1.30                 | V                 | 63.48             | 68.20             | 4.72           | PK                  |
| 11490              | 68.63           | -5.43                 | H                 | 63.20             | 73.98             | 10.78          | PK                  |
| 11490              | 54.06           | -5.43                 | H                 | 48.63             | 53.98             | 5.35           | AV                  |
| 17235              | 64.48           | -1.30                 | H                 | 63.18             | 68.20             | 5.02           | PK                  |

#### 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
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.

|                     |          |
|---------------------|----------|
| Band :              | UNII 3   |
| Operation Mode:     | 802.11 a |
| Transfer Rate:      | 6 Mbps   |
| Operating Frequency | 5785 MHz |
| Channel No.         | 157 Ch   |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11570              | 68.88           | -5.41                 | V                 | 63.47             | 73.98             | 10.51          | PK                  |
| 11570              | 53.91           | -5.41                 | V                 | 48.50             | 53.98             | 5.48           | AV                  |
| 17355              | 63.67           | -0.40                 | V                 | 63.27             | 68.20             | 4.93           | PK                  |
| 11570              | 68.54           | -5.41                 | H                 | 63.13             | 73.98             | 10.85          | PK                  |
| 11570              | 53.79           | -5.41                 | H                 | 48.38             | 53.98             | 5.60           | AV                  |
| 17355              | 63.35           | -0.40                 | H                 | 62.95             | 68.20             | 5.25           | PK                  |

#### 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
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.

|                     |          |
|---------------------|----------|
| Band :              | UNII 3   |
| Operation Mode:     | 802.11 a |
| Transfer Rate:      | 6 Mbps   |
| Operating Frequency | 5825 MHz |
| Channel No.         | 165 Ch   |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11650              | 65.72           | -5.43                 | V                 | 60.29             | 73.98             | 13.69          | PK                  |
| 11650              | 51.53           | -5.43                 | V                 | 46.10             | 53.98             | 7.88           | AV                  |
| 17475              | 62.68           | -0.28                 | V                 | 62.40             | 68.20             | 5.80           | PK                  |
| 11650              | 65.30           | -5.43                 | H                 | 59.87             | 73.98             | 14.11          | PK                  |
| 11650              | 51.23           | -5.43                 | H                 | 45.80             | 53.98             | 8.18           | AV                  |
| 17475              | 62.24           | -0.28                 | H                 | 61.96             | 68.20             | 6.24           | PK                  |

#### 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
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

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 3             |
| Operation Mode:     | 802.11 n_20 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5745 MHz           |
| Channel No.         | 149 Ch             |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11490              | 68.58           | -5.43                 | V                 | 63.15             | 73.98             | 10.83          | PK                  |
| 11490              | 53.55           | -5.43                 | V                 | 48.12             | 53.98             | 5.86           | AV                  |
| 17235              | 64.84           | -1.30                 | V                 | 63.54             | 68.20             | 4.66           | PK                  |
| 11490              | 68.10           | -5.43                 | H                 | 62.67             | 73.98             | 11.31          | PK                  |
| 11490              | 53.27           | -5.43                 | H                 | 47.84             | 53.98             | 6.14           | AV                  |
| 17235              | 64.53           | -1.30                 | H                 | 63.23             | 68.20             | 4.97           | PK                  |

#### 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
5. We have done all data rate in 802.11n\_20 MHz BW. Worst case is MCS0 in 802.11n\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 3             |
| Operation Mode:     | 802.11 n_20 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5785 MHz           |
| Channel No.         | 157 Ch             |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11570              | 68.50           | -5.41                 | V                 | 63.09             | 73.98             | 10.89          | PK                  |
| 11570              | 53.31           | -5.41                 | V                 | 47.90             | 53.98             | 6.08           | AV                  |
| 17355              | 63.56           | -0.40                 | V                 | 63.16             | 68.20             | 5.04           | PK                  |
| 11570              | 68.16           | -5.41                 | H                 | 62.75             | 73.98             | 11.23          | PK                  |
| 11570              | 53.14           | -5.41                 | H                 | 47.73             | 53.98             | 6.25           | AV                  |
| 17355              | 63.22           | -0.40                 | H                 | 62.82             | 68.20             | 5.38           | PK                  |

#### 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
5. We have done all data rate in 802.11n\_20 MHz BW. Worst case is MCS0 in 802.11n\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 3             |
| Operation Mode:     | 802.11 n_20 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5825 MHz           |
| Channel No.         | 165 Ch             |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11650              | 64.72           | -5.43                 | V                 | 59.29             | 73.98             | 14.69          | PK                  |
| 11650              | 51.12           | -5.43                 | V                 | 45.69             | 53.98             | 8.29           | AV                  |
| 17475              | 62.22           | -0.28                 | V                 | 61.94             | 68.20             | 6.26           | PK                  |
| 11650              | 64.36           | -5.43                 | H                 | 58.93             | 73.98             | 15.05          | PK                  |
| 11650              | 50.88           | -5.43                 | H                 | 45.45             | 53.98             | 8.53           | AV                  |
| 17475              | 61.81           | -0.28                 | H                 | 61.53             | 68.20             | 6.67           | PK                  |

#### 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
5. We have done all data rate in 802.11n\_20 MHz BW. Worst case is MCS0 in 802.11n\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                     |
|---------------------|---------------------|
| Band :              | UNII 3              |
| Operation Mode:     | 802.11 ac_20 MHz BW |
| Transfer MCS Index: | 0                   |
| Operating Frequency | 5745 MHz            |
| Channel No.         | 149 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11490              | 69.69           | -5.43                 | V                 | 64.26             | 73.98             | 9.72           | PK                  |
| 11490              | 53.85           | -5.43                 | V                 | 48.42             | 53.98             | 5.56           | AV                  |
| 17235              | 64.83           | -1.30                 | V                 | 63.53             | 68.20             | 4.67           | PK                  |
| 11490              | 69.28           | -5.43                 | H                 | 63.85             | 73.98             | 10.13          | PK                  |
| 11490              | 53.61           | -5.43                 | H                 | 48.18             | 53.98             | 5.80           | AV                  |
| 17235              | 64.60           | -1.30                 | H                 | 63.30             | 68.20             | 4.90           | PK                  |

#### 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
5. We have done all data rate in 802.11ac\_20 MHz BW. Worst case is MCS0 in 802.11ac\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                     |
|---------------------|---------------------|
| Band :              | UNII 3              |
| Operation Mode:     | 802.11 ac_20 MHz BW |
| Transfer MCS Index: | 0                   |
| Operating Frequency | 5785 MHz            |
| Channel No.         | 157 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11570              | 68.37           | -5.41                 | V                 | 62.96             | 73.98             | 11.02          | PK                  |
| 11570              | 53.33           | -5.41                 | V                 | 47.92             | 53.98             | 6.06           | AV                  |
| 17355              | 63.25           | -0.40                 | V                 | 62.85             | 68.20             | 5.35           | PK                  |
| 11570              | 68.13           | -5.41                 | H                 | 62.72             | 73.98             | 11.26          | PK                  |
| 11570              | 52.94           | -5.41                 | H                 | 47.53             | 53.98             | 6.45           | AV                  |
| 17355              | 63.02           | -0.40                 | H                 | 62.62             | 68.20             | 5.58           | PK                  |

#### 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
5. We have done all data rate in 802.11ac\_20 MHz BW. Worst case is MCS0 in 802.11ac\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                     |
|---------------------|---------------------|
| Band :              | UNII 3              |
| Operation Mode:     | 802.11 ac_20 MHz BW |
| Transfer MCS Index: | 0                   |
| Operating Frequency | 5825 MHz            |
| Channel No.         | 165 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11650              | 65.42           | -5.43                 | V                 | 59.99             | 73.98             | 13.99          | PK                  |
| 11650              | 51.09           | -5.43                 | V                 | 45.66             | 53.98             | 8.32           | AV                  |
| 17475              | 62.96           | -0.28                 | V                 | 62.68             | 68.20             | 5.52           | PK                  |
| 11650              | 65.10           | -5.43                 | H                 | 59.67             | 73.98             | 14.31          | PK                  |
| 11650              | 50.88           | -5.43                 | H                 | 45.45             | 53.98             | 8.53           | AV                  |
| 17475              | 61.95           | -0.28                 | H                 | 61.67             | 68.20             | 6.53           | PK                  |

#### 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
5. We have done all data rate in 802.11ac\_20 MHz BW. Worst case is MCS0 in 802.11ac\_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                   |
|---------------------|-------------------|
| Band :              | UNII3             |
| Operation Mode:     | 802.11n_40 MHz BW |
| Transfer MCS Index: | 0                 |
| Operating Frequency | 5755 MHz          |
| Channel No.         | 151 Ch            |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11510              | 65.59           | -5.23                 | V                 | 60.36             | 73.98             | 13.62          | PK                  |
| 11510              | 51.66           | -5.23                 | V                 | 46.43             | 53.98             | 7.55           | AV                  |
| 17265              | 62.63           | -1.12                 | V                 | 61.51             | 68.20             | 6.69           | PK                  |
| 11510              | 65.14           | -5.23                 | H                 | 59.91             | 73.98             | 14.07          | PK                  |
| 11510              | 51.35           | -5.23                 | H                 | 46.12             | 53.98             | 7.86           | AV                  |
| 17265              | 62.35           | -1.12                 | H                 | 61.23             | 68.20             | 6.97           | PK                  |

#### 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
5. We have done all data rate in 802.11n\_40 MHz BW. Worst case is MCS0 in 802.11n\_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                   |
|---------------------|-------------------|
| Band :              | UNII 3            |
| Operation Mode:     | 802.11n_40 MHz BW |
| Transfer MCS Index: | 0                 |
| Operating Frequency | 5795 MHz          |
| Channel No.         | 159 Ch            |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11590              | 62.65           | -5.35                 | V                 | 57.30             | 73.98             | 16.68          | PK                  |
| 11590              | 49.94           | -5.35                 | V                 | 44.59             | 53.98             | 9.39           | AV                  |
| 17385              | 62.56           | -0.10                 | V                 | 62.46             | 68.20             | 5.74           | PK                  |
| 11590              | 62.33           | -5.35                 | H                 | 56.98             | 73.98             | 17.00          | PK                  |
| 11590              | 49.69           | -5.35                 | H                 | 44.34             | 53.98             | 9.64           | AV                  |
| 17385              | 62.38           | -0.10                 | H                 | 62.28             | 68.20             | 5.92           | PK                  |

#### 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
5. We have done all data rate in 802.11n\_40 MHz BW. Worst case is MCS0 in 802.11n\_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 3             |
| Operation Mode:     | 802.11ac_40 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5755 MHz           |
| Channel No.         | 151 Ch             |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11510              | 65.29           | -5.23                 | V                 | 60.06             | 73.98             | 13.92          | PK                  |
| 11510              | 51.75           | -5.23                 | V                 | 46.52             | 53.98             | 7.46           | AV                  |
| 17265              | 62.55           | -1.12                 | V                 | 61.43             | 68.20             | 6.77           | PK                  |
| 11510              | 64.82           | -5.23                 | H                 | 59.59             | 73.98             | 14.39          | PK                  |
| 11510              | 51.60           | -5.23                 | H                 | 46.37             | 53.98             | 7.61           | AV                  |
| 17265              | 61.93           | -1.12                 | H                 | 60.81             | 68.20             | 7.39           | PK                  |

#### 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
5. We have done all data rate in 802.11ac\_40 MHz BW. Worst case is MCS0 in 802.11ac\_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 3             |
| Operation Mode:     | 802.11ac_40 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5795 MHz           |
| Channel No.         | 159 Ch             |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11590              | 62.95           | -5.35                 | V                 | 57.60             | 73.98             | 16.38          | PK                  |
| 11590              | 49.94           | -5.35                 | V                 | 44.59             | 53.98             | 9.39           | AV                  |
| 17385              | 62.76           | -0.10                 | V                 | 62.66             | 68.20             | 5.54           | PK                  |
| 11590              | 62.60           | -5.35                 | H                 | 57.25             | 73.98             | 16.73          | PK                  |
| 11590              | 49.75           | -5.35                 | H                 | 44.40             | 53.98             | 9.58           | AV                  |
| 17385              | 62.40           | -0.10                 | H                 | 62.30             | 68.20             | 5.90           | PK                  |

#### 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
5. We have done all data rate in 802.11ac\_40 MHz BW. Worst case is MCS0 in 802.11ac\_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 3             |
| Operation Mode:     | 802.11ac_80 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5775 MHz           |
| Channel No.         | 155 Ch             |

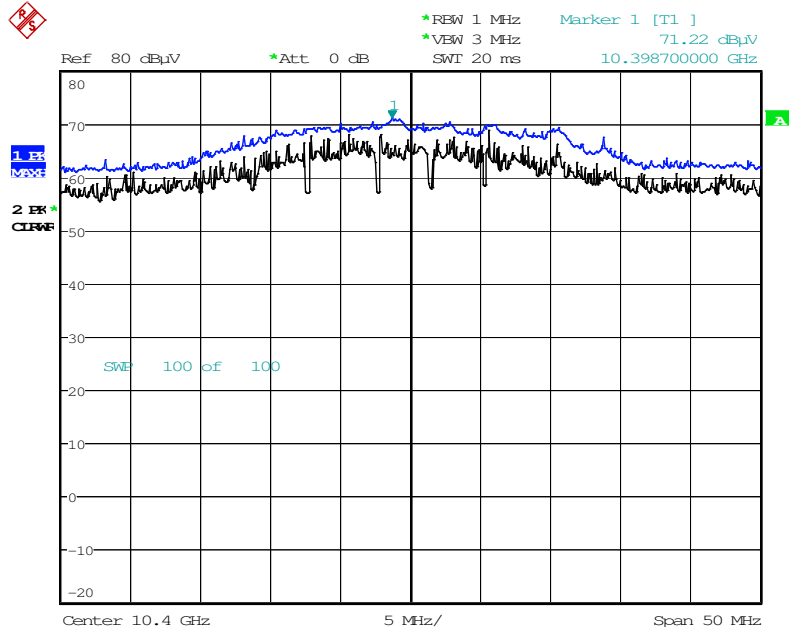
| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL-Amp G.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-----------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11550              | 63.16           | -5.40                 | V                 | 57.76             | 73.98             | 16.22          | PK                  |
| 11550              | 51.11           | -5.40                 | V                 | 45.71             | 53.98             | 8.27           | AV                  |
| 17325              | 62.21           | -0.94                 | V                 | 61.27             | 68.20             | 6.93           | PK                  |
| 11550              | 63.14           | -5.40                 | H                 | 57.74             | 73.98             | 16.24          | PK                  |
| 11550              | 51.06           | -5.40                 | H                 | 45.66             | 53.98             | 8.32           | AV                  |
| 17325              | 61.94           | -0.94                 | H                 | 61.00             | 68.20             | 7.20           | PK                  |

#### 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
5. We have done all data rate in 802.11ac\_80 MHz BW. Worst case is MCS0 in 802.11ac\_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

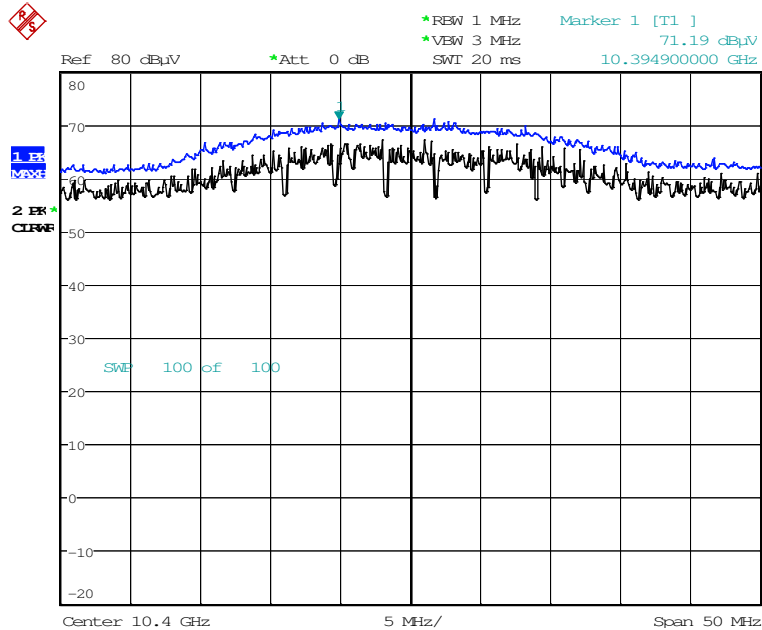
## ■ RESULT PLOTS

### Radiated Spurious Emissions plot –Peak Reading (802.11a, Ch.40 2nd Harmonic, x-V)



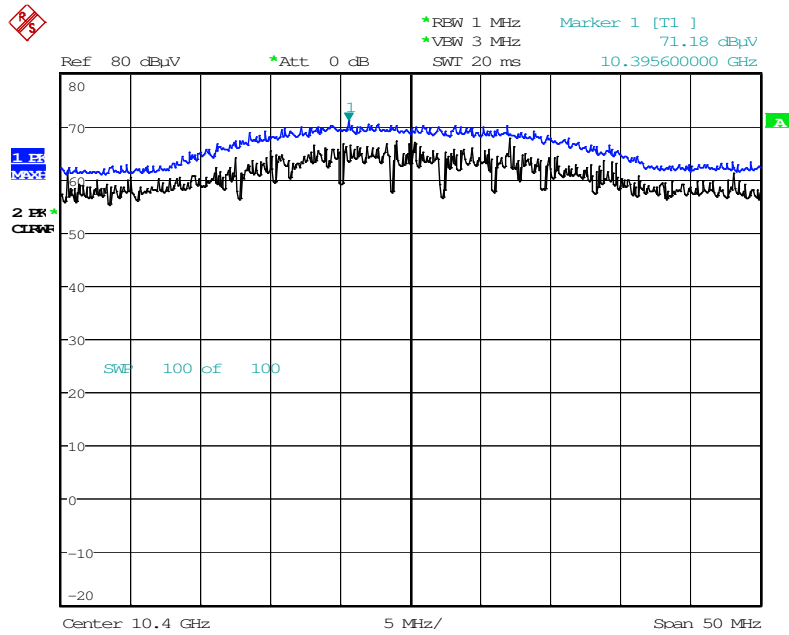
Date: 7.MAR.2016 14:43:52

### Radiated Spurious Emissions plot – Peak Reading(802.11n\_20M, Ch.40 2nd Harmonic, x-V)



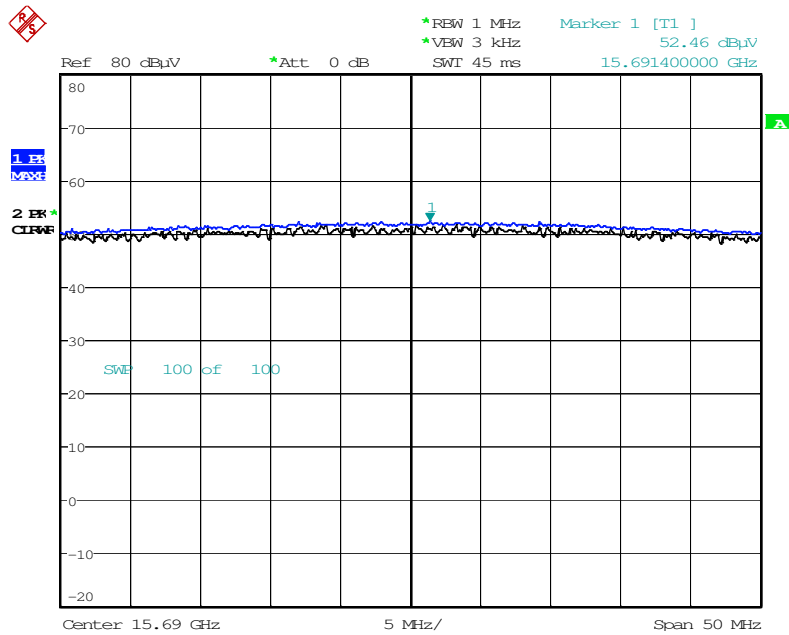
Date: 7.MAR.2016 14:51:44

**Radiated Spurious Emissions plot –Peak Reading (802.11ac\_20M, Ch.40 2nd Harmonic, x-V)**



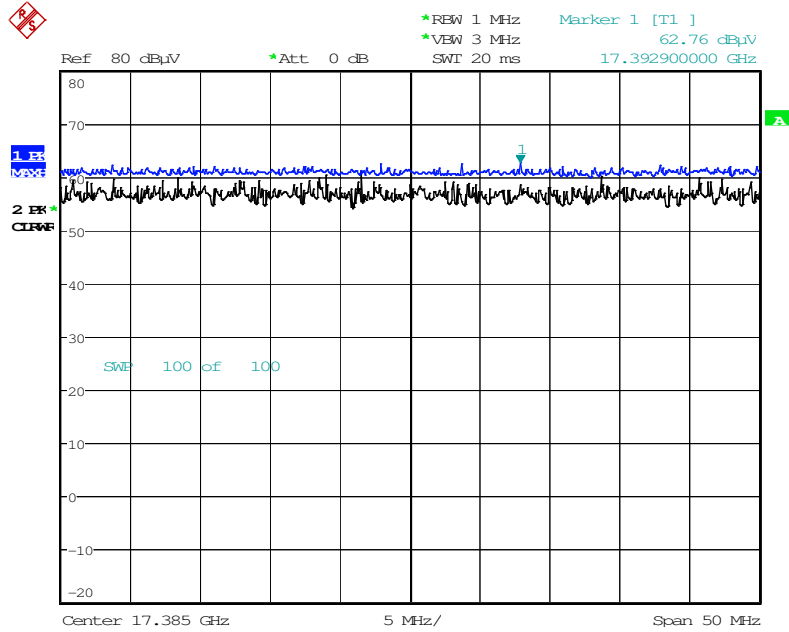
Date: 7.MAR.2016 15:02:40

**Radiated Spurious Emissions plot – Average Reading (802.11ac\_40M, Ch.46 3rd Harmonic, y-V)**



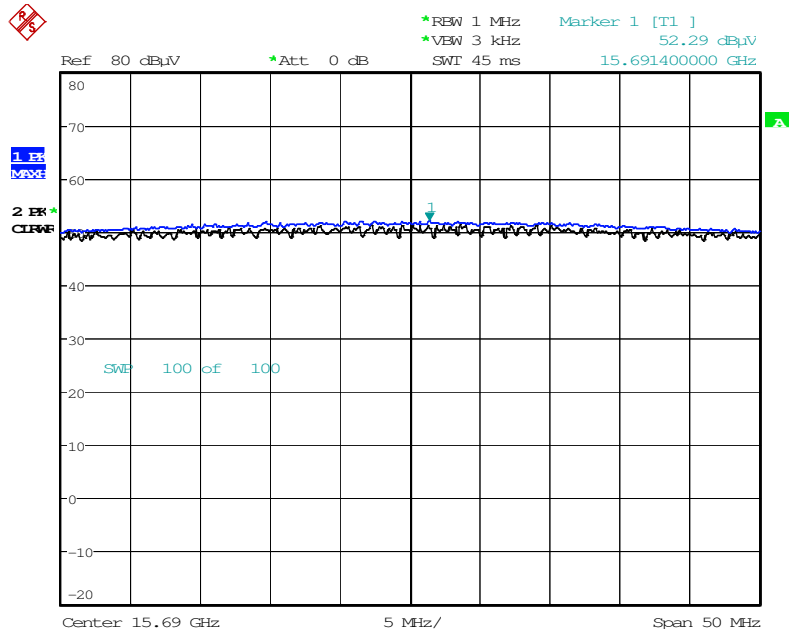
Date: 7.MAR.2016 19:08:46

**Radiated Spurious Emissions plot –Peak Reading (802.11ac\_40M, Ch.159 3rd Harmonic, y-V)**



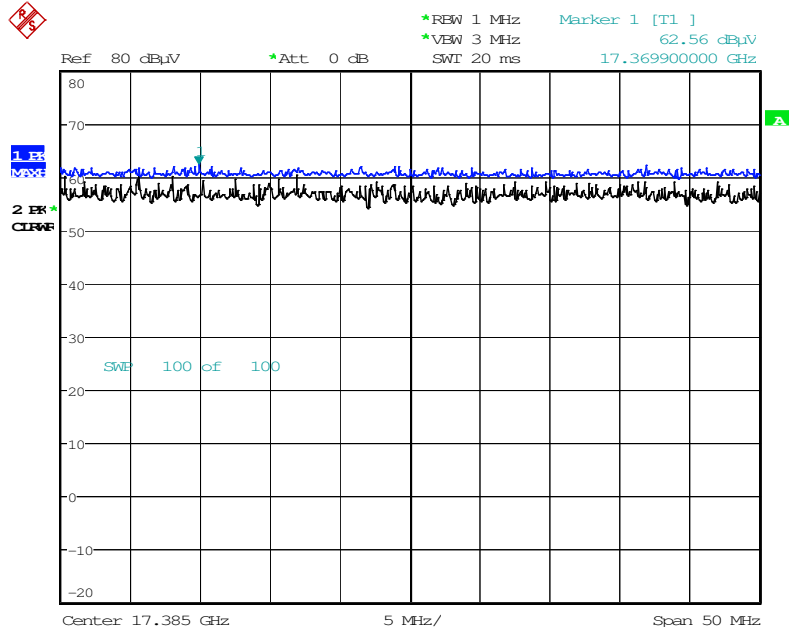
Date: 7.MAR.2016 20:21:34

**Radiated Spurious Emissions plot – Average Reading (802.11n\_40M, Ch.46 3rd Harmonic, y-V)**



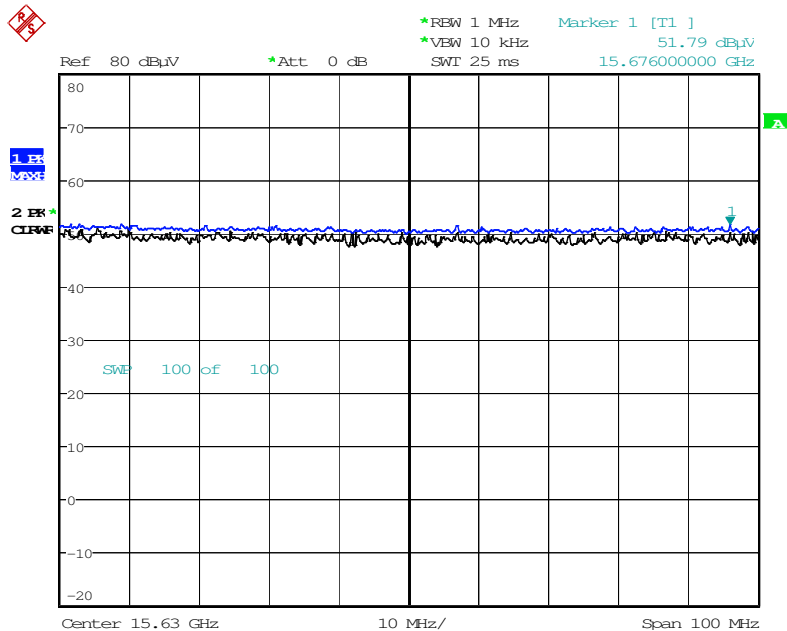
Date: 7.MAR.2016 19:07:51

**Radiated Spurious Emissions plot –Peak Reading (802.11n\_40M, Ch.159 3rd Harmonic, y-V)**



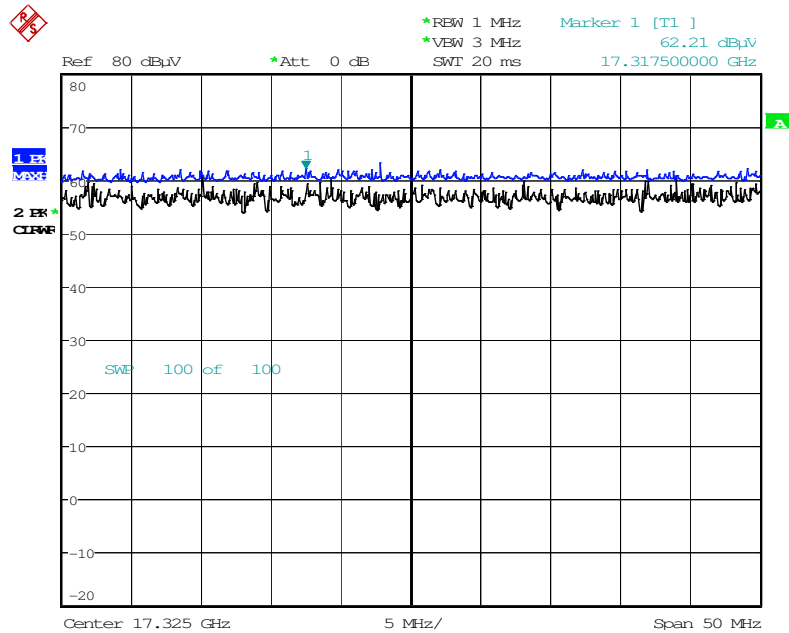
Date: 7.MAR.2016 20:19:32

**Radiated Spurious Emissions plot – Average Reading (802.11ac\_80M, Ch.42 3rd Harmonic, y-V)**



Date: 7.MAR.2016 19:12:31

**Radiated Spurious Emissions plot –Peak Reading (802.11ac\_80M, Ch.155 3rd Harmonic, y-V)**



Date: 7.MAR.2016 20:23:16

**Note : Only the worst case plots for Radiated Spurious Emissions.**

## 9.6.2 RADIATED RESTRICTED BAND EDGE MEASUREMENTS

### Test Requirements and limit, §15.247(d) §15.205, §15.209

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in section 15.209(a) (See section 15.205(c)).

|                     |          |
|---------------------|----------|
| Band :              | UNII 1   |
| Operation Mode:     | 802.11 a |
| Transfer Rate:      | 6 Mbps   |
| Operating Frequency | 5180 MHz |
| Channel No.         | 36 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5150               | 61.56           | 8.18                    | H                 | 69.74             | 73.98             | 4.24           | PK                  |
| 5150               | 40.56           | 8.18                    | H                 | 48.74             | 53.98             | 5.24           | AV                  |
| 5150               | 61.32           | 8.18                    | V                 | 69.50             | 73.98             | 4.48           | PK                  |
| 5150               | 40.13           | 8.18                    | V                 | 48.31             | 53.98             | 5.67           | AV                  |

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 1             |
| Operation Mode:     | 802.11 n_20 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5180 MHz           |
| Channel No.         | 36 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5150               | 63.78           | 8.18                    | H                 | 71.96             | 73.98             | 2.02           | PK                  |
| 5150               | 40.41           | 8.18                    | H                 | 48.59             | 53.98             | 5.39           | AV                  |
| 5150               | 62.91           | 8.18                    | V                 | 71.09             | 73.98             | 2.89           | PK                  |
| 5150               | 40.13           | 8.18                    | V                 | 48.31             | 53.98             | 5.67           | AV                  |

|                     |                   |
|---------------------|-------------------|
| Band :              | UNII 1            |
| Operation Mode:     | 802.11 ac_20Mz BW |
| Transfer MCS Index: | 0                 |
| Operating Frequency | 5180 MHz          |
| Channel No.         | 36 Ch             |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5150               | 63.45           | 8.18                    | H                 | 71.63             | 73.98             | 2.35           | PK                  |
| 5150               | 40.63           | 8.18                    | H                 | 48.81             | 53.98             | 5.17           | AV                  |
| 5150               | 63.08           | 8.18                    | V                 | 71.26             | 73.98             | 2.72           | PK                  |
| 5150               | 40.31           | 8.18                    | V                 | 48.49             | 53.98             | 5.49           | AV                  |

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 1             |
| Operation Mode:     | 802.11 n_40 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5190 MHz           |
| Channel No.         | 38 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5150               | 56.94           | 8.18                    | H                 | 65.12             | 73.98             | 8.86           | PK                  |
| 5150               | 39.48           | 8.18                    | H                 | 47.66             | 53.98             | 6.32           | AV                  |
| 5150               | 56.38           | 8.18                    | V                 | 64.56             | 73.98             | 9.42           | PK                  |
| 5150               | 39.11           | 8.18                    | V                 | 47.29             | 53.98             | 6.69           | AV                  |

Band : UNII 1  
Operation Mode: 802.11 ac\_40 MHz BW  
Transfer MCS Index: 0  
Operating Frequency 5190 MHz  
Channel No. 38 Ch

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5150               | 56.43           | 8.18                    | H                 | 64.61             | 73.98             | 9.37           | PK                  |
| 5150               | 39.70           | 8.18                    | H                 | 47.88             | 53.98             | 6.10           | AV                  |
| 5150               | 56.10           | 8.18                    | V                 | 64.28             | 73.98             | 9.70           | PK                  |
| 5150               | 39.44           | 8.18                    | V                 | 47.62             | 53.98             | 6.36           | AV                  |

Band : UNII 1  
Operation Mode: 802.11 ac\_80 MHz BW  
Transfer MCS Index: 0  
Operating Frequency 5210 MHz  
Channel No. 42 Ch

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5150               | 55.08           | 8.18                    | H                 | 63.26             | 73.98             | 10.72          | PK                  |
| 5150               | 41.47           | 8.18                    | H                 | 49.65             | 53.98             | 4.33           | AV                  |
| 5150               | 54.69           | 8.18                    | V                 | 62.87             | 73.98             | 11.11          | PK                  |
| 5150               | 41.08           | 8.18                    | V                 | 49.26             | 53.98             | 4.72           | AV                  |

|                     |          |
|---------------------|----------|
| Band :              | UNII 2A  |
| Operation Mode:     | 802.11 a |
| Transfer Rate:      | 6 Mbps   |
| Operating Frequency | 5320 MHz |
| Channel No.         | 64 Ch    |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5350               | 60.43           | 8.95                    | H                 | 69.38             | 73.98             | 4.60           | PK                  |
| 5350               | 41.17           | 8.95                    | H                 | 50.12             | 53.98             | 3.86           | AV                  |
| 5350               | 60.20           | 8.95                    | V                 | 69.15             | 73.98             | 4.83           | PK                  |
| 5350               | 41.04           | 8.95                    | V                 | 49.99             | 53.98             | 3.99           | AV                  |

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 2A            |
| Operation Mode:     | 802.11 n_20 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5320 MHz           |
| Channel No.         | 64 Ch              |

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5350               | 62.81           | 8.95                    | H                 | 71.76             | 73.98             | 2.22           | PK                  |
| 5350               | 42.18           | 8.95                    | H                 | 51.13             | 53.98             | 2.85           | AV                  |
| 5350               | 62.43           | 8.95                    | V                 | 71.38             | 73.98             | 2.60           | PK                  |
| 5350               | 42.03           | 8.95                    | V                 | 50.98             | 53.98             | 3.00           | AV                  |

Band : UNII 2A  
Operation Mode: 802.11 ac\_20Mz BW  
Transfer MCS Index: 0  
Operating Frequency 5320 MHz  
Channel No. 64 Ch

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5350               | 62.47           | 8.95                    | H                 | 71.42             | 73.98             | 2.56           | PK                  |
| 5350               | 41.50           | 8.95                    | H                 | 50.45             | 53.98             | 3.53           | AV                  |
| 5350               | 62.17           | 8.95                    | V                 | 71.12             | 73.98             | 2.86           | PK                  |
| 5350               | 41.25           | 8.95                    | V                 | 50.20             | 53.98             | 3.78           | AV                  |

Band : UNII 2A  
Operation Mode: 802.11 n\_40 MHz BW  
Transfer MCS Index: 0  
Operating Frequency 5310 MHz  
Channel No. 62 Ch

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5350               | 56.72           | 8.95                    | H                 | 65.67             | 73.98             | 8.31           | PK                  |
| 5350               | 38.19           | 8.95                    | H                 | 47.14             | 53.98             | 6.84           | AV                  |
| 5350               | 56.35           | 8.95                    | V                 | 65.30             | 73.98             | 8.68           | PK                  |
| 5350               | 38.03           | 8.95                    | V                 | 46.98             | 53.98             | 7.00           | AV                  |

Band : UNII 2A  
Operation Mode: 802.11 ac\_40 MHz BW  
Transfer MCS Index: 0  
Operating Frequency 5310 MHz  
Channel No. 62 Ch

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5350               | 55.72           | 8.95                    | H                 | 64.67             | 73.98             | 9.31           | PK                  |
| 5350               | 38.14           | 8.95                    | H                 | 47.09             | 53.98             | 6.89           | AV                  |
| 5350               | 55.38           | 8.95                    | V                 | 64.33             | 73.98             | 9.65           | PK                  |
| 5350               | 38.02           | 8.95                    | V                 | 46.97             | 53.98             | 7.01           | AV                  |

Band : UNII 2A  
Operation Mode: 802.11 ac\_80 MHz BW  
Transfer MCS Index: 0  
Operating Frequency 5290 MHz  
Channel No. 58 Ch

| Frequency<br>[MHz] | Reading<br>dBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5350               | 54.99           | 8.95                    | H                 | 63.94             | 73.98             | 10.04          | PK                  |
| 5350               | 39.09           | 8.95                    | H                 | 48.04             | 53.98             | 5.94           | AV                  |
| 5350               | 54.37           | 8.95                    | V                 | 63.32             | 73.98             | 10.66          | PK                  |
| 5350               | 38.86           | 8.95                    | V                 | 47.81             | 53.98             | 6.17           | AV                  |

|                     |          |
|---------------------|----------|
| Band :              | UNII 2C  |
| Operation Mode:     | 802.11 a |
| Transfer Rate:      | 6 Mbps   |
| Operating Frequency | 5500 MHz |
| Channel No.         | 100 Ch   |

| Frequency<br>[MHz] | Reading<br>DBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5460               | 51.16           | 9.62                    | H                 | 60.78             | 73.98             | 13.20          | PK                  |
| 5460               | 36.41           | 9.62                    | H                 | 46.03             | 53.98             | 7.95           | AV                  |
| *#5470             | 57.55           | 9.52                    | H                 | 67.07             | 73.98             | 6.91           | PK                  |
| *#5470             | 37.18           | 9.52                    | H                 | 46.70             | 53.98             | 7.28           | AV                  |
| 5460               | 51.24           | 9.62                    | V                 | 60.86             | 73.98             | 13.12          | PK                  |
| 5460               | 36.43           | 9.62                    | V                 | 46.05             | 53.98             | 7.93           | AV                  |
| *#5470             | 57.62           | 9.52                    | V                 | 67.14             | 73.98             | 6.84           | PK                  |
| *#5470             | 37.30           | 9.52                    | V                 | 46.82             | 53.98             | 7.16           | AV                  |

|                     |                   |
|---------------------|-------------------|
| Band :              | UNII 2C           |
| Operation Mode:     | 802.11 n_20MHz BW |
| Transfer MCS Index: | 0                 |
| Operating Frequency | 5500 MHz          |
| Channel No.         | 100 Ch            |

| Frequency<br>[MHz] | Reading<br>DBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5460               | 54.38           | 9.62                    | H                 | 64.00             | 73.98             | 9.98           | PK                  |
| 5460               | 36.32           | 9.62                    | H                 | 45.94             | 53.98             | 8.04           | AV                  |
| *#5470             | 61.04           | 9.52                    | H                 | 70.56             | 73.98             | 3.42           | PK                  |
| *#5470             | 37.48           | 9.52                    | H                 | 47.00             | 53.98             | 6.98           | AV                  |
| 5460               | 54.55           | 9.62                    | V                 | 64.17             | 73.98             | 9.81           | PK                  |
| 5460               | 36.37           | 9.62                    | V                 | 45.99             | 53.98             | 7.99           | AV                  |
| *#5470             | 61.39           | 9.52                    | V                 | 70.91             | 73.98             | 3.07           | PK                  |
| *#5470             | 37.71           | 9.52                    | V                 | 47.23             | 53.98             | 6.75           | AV                  |

|                     |                     |
|---------------------|---------------------|
| Band :              | UNII 2C             |
| Operation Mode:     | 802.11 ac_20 MHz BW |
| Transfer MCS Index: | 0                   |
| Operating Frequency | 5500 MHz            |
| Channel No.         | 100 Ch              |

| Frequency<br>[MHz] | Reading<br>DBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5460               | 53.46           | 9.62                    | H                 | 63.08             | 73.98             | 10.90          | PK                  |
| 5460               | 36.39           | 9.62                    | H                 | 46.01             | 53.98             | 7.97           | AV                  |
| *#5470             | 60.89           | 9.52                    | H                 | 70.41             | 73.98             | 3.57           | PK                  |
| *#5470             | 37.07           | 9.52                    | H                 | 46.59             | 53.98             | 7.39           | AV                  |
| 5460               | 53.90           | 9.62                    | V                 | 63.52             | 73.98             | 10.46          | PK                  |
| 5460               | 36.42           | 9.62                    | V                 | 46.04             | 53.98             | 7.94           | AV                  |
| *#5470             | 61.23           | 9.52                    | V                 | 70.75             | 73.98             | 3.23           | PK                  |
| *#5470             | 37.27           | 9.52                    | V                 | 46.79             | 53.98             | 7.19           | AV                  |

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 2C            |
| Operation Mode:     | 802.11 n_40 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5510 MHz           |
| Channel No.         | 102 Ch             |

| Frequency<br>[MHz] | Reading<br>DBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5460               | 49.55           | 9.62                    | H                 | 59.17             | 73.98             | 14.81          | PK                  |
| 5460               | 36.43           | 9.62                    | H                 | 46.05             | 53.98             | 7.93           | AV                  |
| *5470              | 50.40           | 9.52                    | H                 | 59.92             | 68.20             | 8.28           | PK                  |
| 5460               | 49.67           | 9.62                    | V                 | 59.29             | 73.98             | 14.69          | PK                  |
| 5460               | 36.49           | 9.62                    | V                 | 46.11             | 53.98             | 7.87           | AV                  |
| *5470              | 50.52           | 9.52                    | V                 | 60.04             | 68.20             | 8.16           | PK                  |

|                     |                     |
|---------------------|---------------------|
| Band :              | UNII 2C             |
| Operation Mode:     | 802.11 ac_40 MHz BW |
| Transfer MCS Index: | 0                   |
| Operating Frequency | 5510 MHz            |
| Channel No.         | 102 Ch              |

| Frequency<br>[MHz] | Reading<br>DBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5460               | 49.28           | 9.62                    | H                 | 58.90             | 73.98             | 15.08          | PK                  |
| 5460               | 35.84           | 9.62                    | H                 | 45.46             | 53.98             | 8.52           | AV                  |
| *5470              | 51.16           | 9.52                    | H                 | 60.68             | 68.20             | 7.52           | PK                  |
| 5460               | 49.64           | 9.62                    | V                 | 59.26             | 73.98             | 14.72          | PK                  |
| 5460               | 36.00           | 9.62                    | V                 | 45.62             | 53.98             | 8.36           | AV                  |
| *5470              | 51.33           | 9.52                    | V                 | 60.85             | 68.20             | 7.35           | PK                  |

|                     |                     |
|---------------------|---------------------|
| Band :              | UNII 2C             |
| Operation Mode:     | 802.11 ac_80 MHz BW |
| Transfer MCS Index: | 0                   |
| Operating Frequency | 5530 MHz            |
| Channel No.         | 106 Ch              |

| Frequency<br>[MHz] | Reading<br>DBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 5460               | 48.99           | 9.62                    | H                 | 58.61             | 73.98             | 15.37          | PK                  |
| 5460               | 37.46           | 9.62                    | H                 | 47.08             | 53.98             | 6.90           | AV                  |
| *5470              | 49.16           | 9.52                    | H                 | 58.68             | 68.20             | 9.52           | PK                  |
| 5460               | 49.41           | 9.62                    | V                 | 59.03             | 73.98             | 14.95          | PK                  |
| 5460               | 37.83           | 9.62                    | V                 | 47.45             | 53.98             | 6.53           | AV                  |
| *5470              | 49.68           | 9.52                    | V                 | 59.20             | 68.20             | 9.00           | PK                  |

Band : UNII 3  
Operation Mode: 802.11 a  
Transfer Rate: 6 Mbps  
Operating Frequency 5825 MHz  
Channel No. 165 Ch

| Frequency<br>[MHz] | Reading<br>DBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| *5850              | 51.96           | 11.47                   | H                 | 63.43             | 78.20             | 14.77          | PK                  |
| *5850              | 51.24           | 11.47                   | V                 | 62.71             | 78.20             | 15.49          | PK                  |
| *5860              | 48.54           | 11.47                   | H                 | 60.01             | 68.20             | 8.19           | PK                  |
| *5860              | 48.46           | 11.47                   | V                 | 59.93             | 68.20             | 8.27           | PK                  |

Band : UNII 3  
Operation Mode: 802.11 n\_20MHz BW  
Transfer MCS Index: 0  
Operating Frequency 5825 MHz  
Channel No. 165 Ch

| Frequency<br>[MHz] | Reading<br>DBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| *5850              | 53.11           | 11.47                   | H                 | 64.58             | 78.20             | 13.62          | PK                  |
| *5850              | 52.87           | 11.47                   | V                 | 64.34             | 78.20             | 13.86          | PK                  |
| *5860              | 49.01           | 11.47                   | H                 | 60.48             | 68.20             | 7.72           | PK                  |
| *5860              | 48.76           | 11.47                   | V                 | 60.23             | 68.20             | 7.97           | PK                  |

|                     |                     |
|---------------------|---------------------|
| Band :              | UNII 3              |
| Operation Mode:     | 802.11 ac_20 MHz BW |
| Transfer MCS Index: | 0                   |
| Operating Frequency | 5825 MHz            |
| Channel No.         | 165 Ch              |

| Frequency<br>[MHz] | Reading<br>DBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| *5850              | 53.03           | 11.47                   | H                 | 64.50             | 78.20             | 13.70          | PK                  |
| *5850              | 52.76           | 11.47                   | V                 | 64.23             | 78.20             | 13.97          | AV                  |
| *5860              | 48.62           | 11.47                   | H                 | 60.09             | 68.20             | 8.11           | PK                  |
| *5860              | 48.51           | 11.47                   | V                 | 59.98             | 68.20             | 8.22           | AV                  |

|                     |                    |
|---------------------|--------------------|
| Band :              | UNII 3             |
| Operation Mode:     | 802.11 n_40 MHz BW |
| Transfer MCS Index: | 0                  |
| Operating Frequency | 5795 MHz           |
| Channel No.         | 159 Ch             |

| Frequency<br>[MHz] | Reading<br>DBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| *5850              | 47.98           | 11.47                   | H                 | 59.45             | 78.20             | 18.75          | PK                  |
| *5850              | 47.69           | 11.47                   | V                 | 59.16             | 78.20             | 19.04          | PK                  |
| *5860              | 47.59           | 11.47                   | H                 | 59.06             | 68.20             | 9.14           | PK                  |
| *5860              | 47.51           | 11.47                   | V                 | 58.98             | 68.20             | 9.22           | PK                  |

|                     |                     |
|---------------------|---------------------|
| Band :              | UNII 3              |
| Operation Mode:     | 802.11 ac_40 MHz BW |
| Transfer MCS Index: | 0                   |
| Operating Frequency | 5795 MHz            |
| Channel No.         | 159 Ch              |

| Frequency<br>[MHz] | Reading<br>DBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| *5850              | 48.42           | 11.47                   | H                 | 59.89             | 78.20             | 18.31          | PK                  |
| *5850              | 48.16           | 11.47                   | V                 | 59.63             | 78.20             | 18.57          | AV                  |
| *5860              | 47.78           | 11.47                   | H                 | 59.25             | 68.20             | 8.95           | PK                  |
| *5860              | 47.64           | 11.47                   | V                 | 59.11             | 68.20             | 9.09           | AV                  |

|                     |                     |
|---------------------|---------------------|
| Band :              | UNII 3              |
| Operation Mode:     | 802.11 ac_80 MHz BW |
| Transfer MCS Index: | 0                   |
| Operating Frequency | 5755 MHz            |
| Channel No.         | 155 Ch              |

| Frequency<br>[MHz] | Reading<br>DBuV | AN.+CL+AMP+ATT.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-----------------|-------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| *5850              | 47.89           | 11.47                   | H                 | 59.36             | 78.20             | 18.84          | PK                  |
| *5850              | 47.82           | 11.47                   | V                 | 59.29             | 78.20             | 18.91          | PK                  |
| *5860              | 47.99           | 11.47                   | H                 | 59.46             | 68.20             | 8.74           | PK                  |
| *5860              | 47.66           | 11.47                   | V                 | 59.13             | 68.20             | 9.07           | PK                  |

## Notes:

1. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + ATT
2. We have done all data rate in 802.11a/n/ac mode test. . Worst case of EUT is lowest data rate in 802.11a/n/ac.
3. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
4. “\*” is radiated band edge test frequency.(not restricted band emissions)
5. The mark ‘#’ is tested according to II .G.2.c in KDB 789033 D02, issued 01/08/2016

## II. MEASUREMENT PROCEDURES

### G. Unwanted Emission Measurement

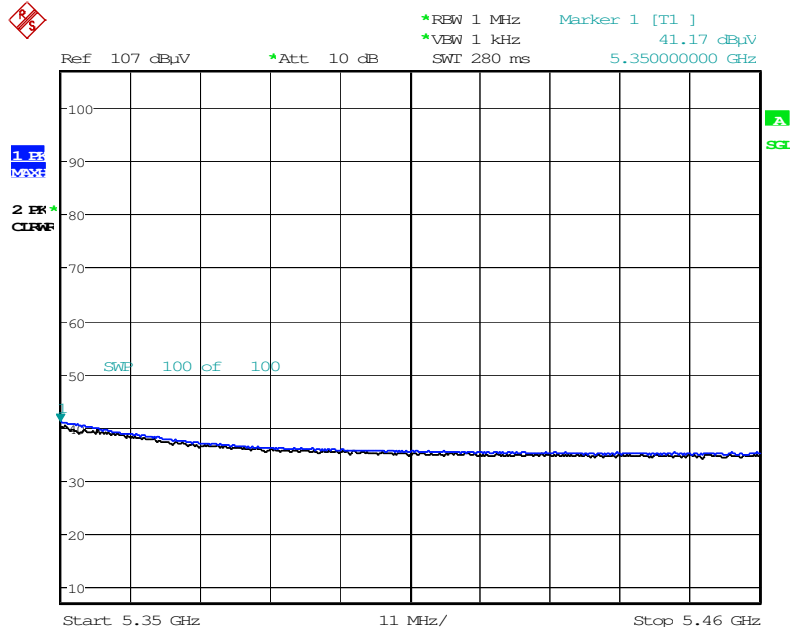
#### 2. Unwanted Emissions that fall Outside of the Restricted Bands

c) At frequencies above 1000 MHz, use the procedure for maximum emissions described in section II.G.5., "Procedure for Unwanted Maximum Unwanted Emissions Measurements Above 1000 MHz".

As specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

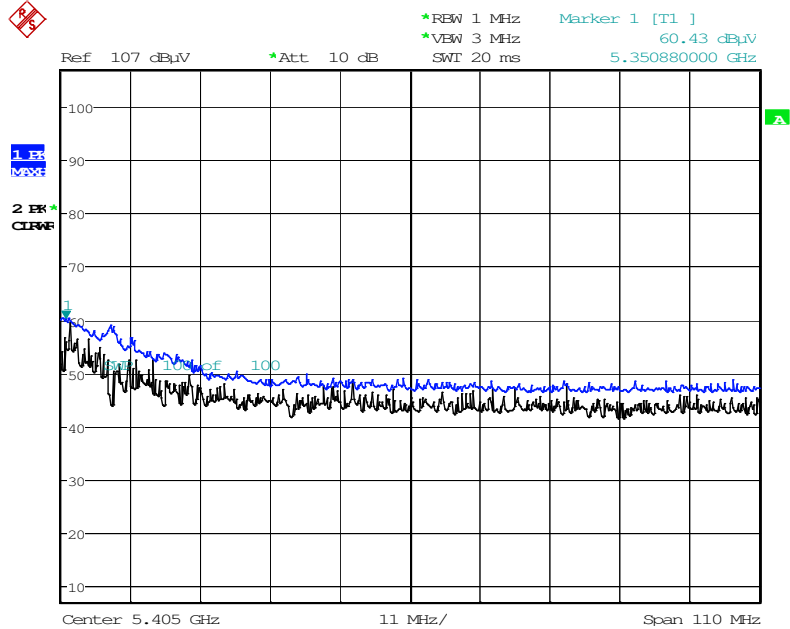
## RESULT PLOTS

### Radiated Restricted Band Edges plot – Average Reading (802.11a, Ch.64, x-H)



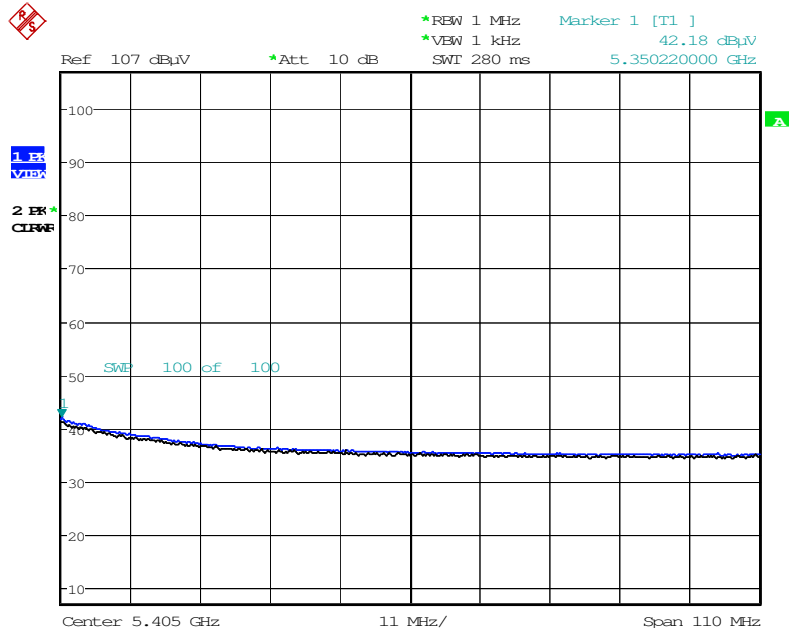
Date: 4.MAR.2016 10:34:30

### Radiated Restricted Band Edges plot – Peak Reading (802.11a, Ch.36, x-H)



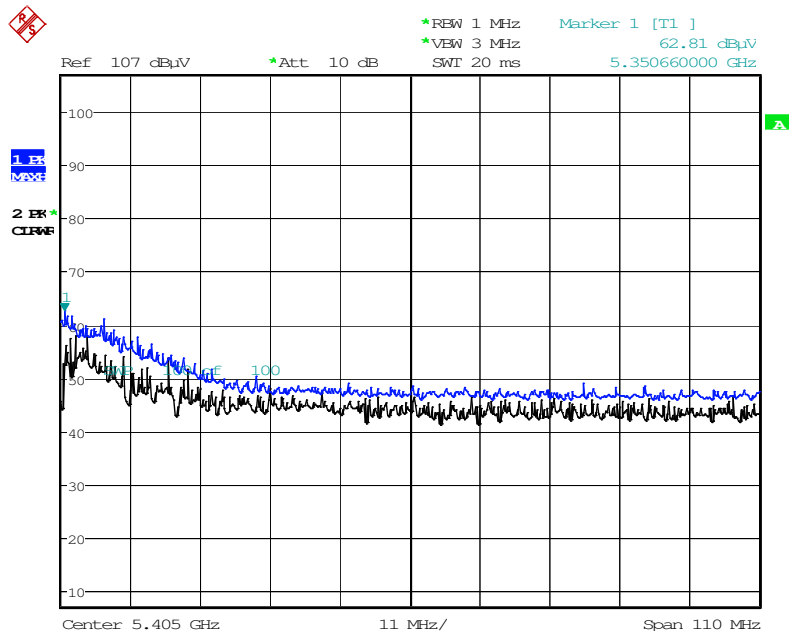
Date: 4.MAR.2016 10:36:05

**Radiated Restricted Band Edges plot – Average Reading (802.11n\_20M, Ch.64, x-H)**



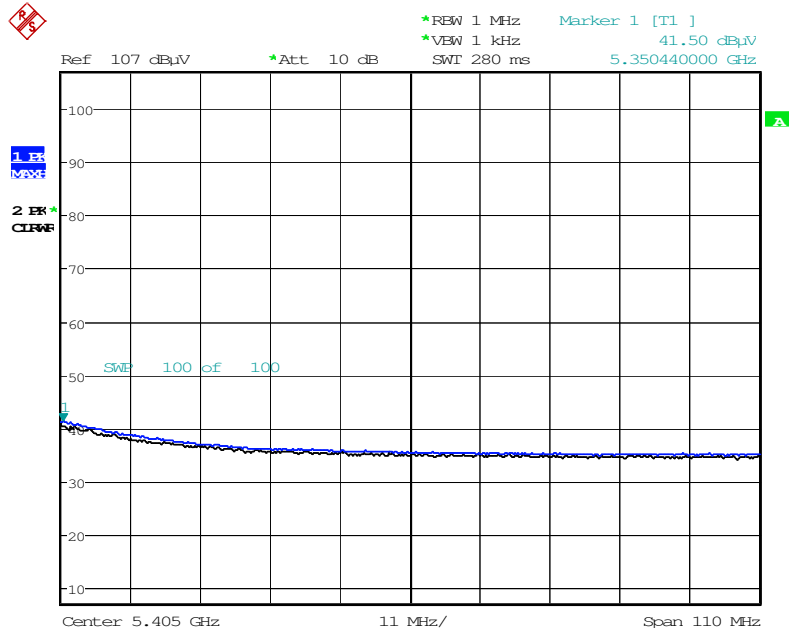
Date: 4.MAR.2016 10:40:56

**Radiated Restricted Band Edges plot – Peak Reading (802.11n\_20M, Ch.64, x-H)**



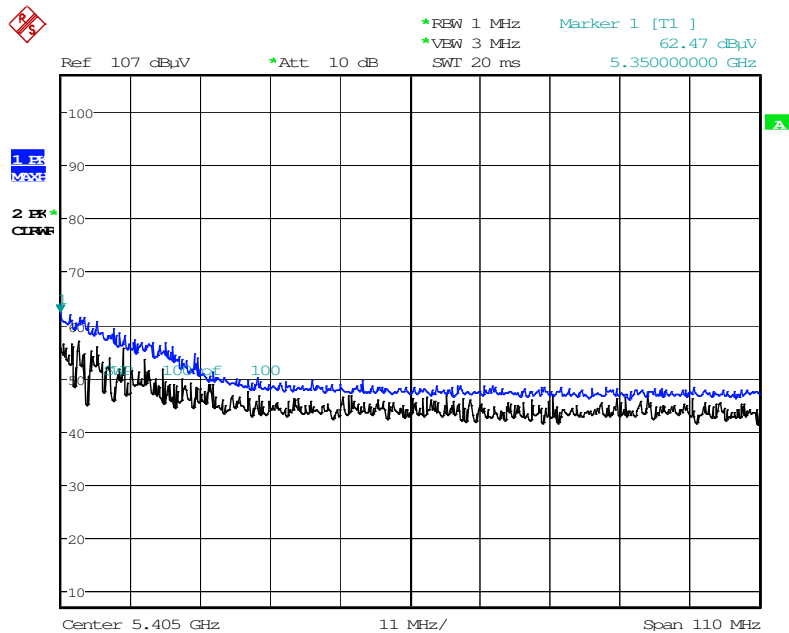
Date: 4.MAR.2016 10:52:06

**Radiated Restricted Band Edges plot – Average Reading (802.11ac\_20M, Ch.64, x-H)**



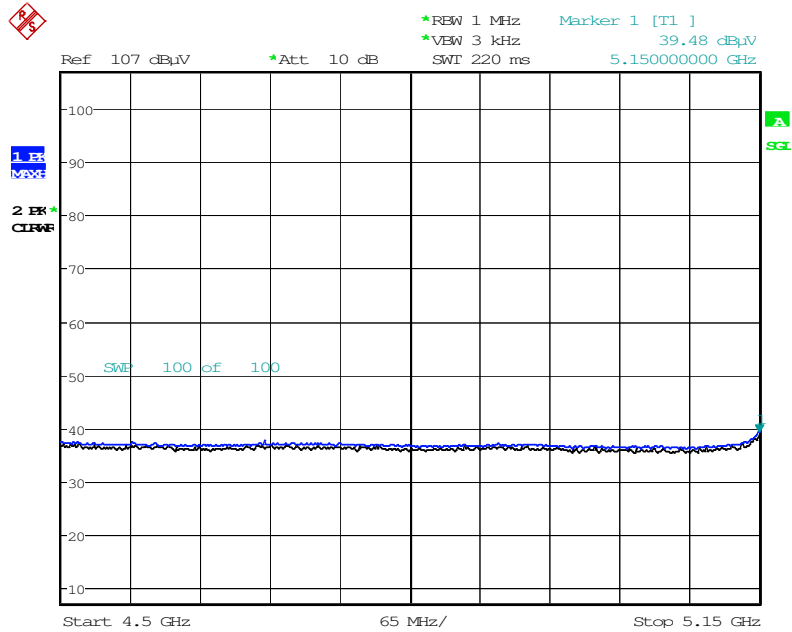
Date: 4.MAR.2016 10:58:05

**Radiated Restricted Band Edges plot – Peak Reading (802.11ac\_20M, Ch.64, x-H)**



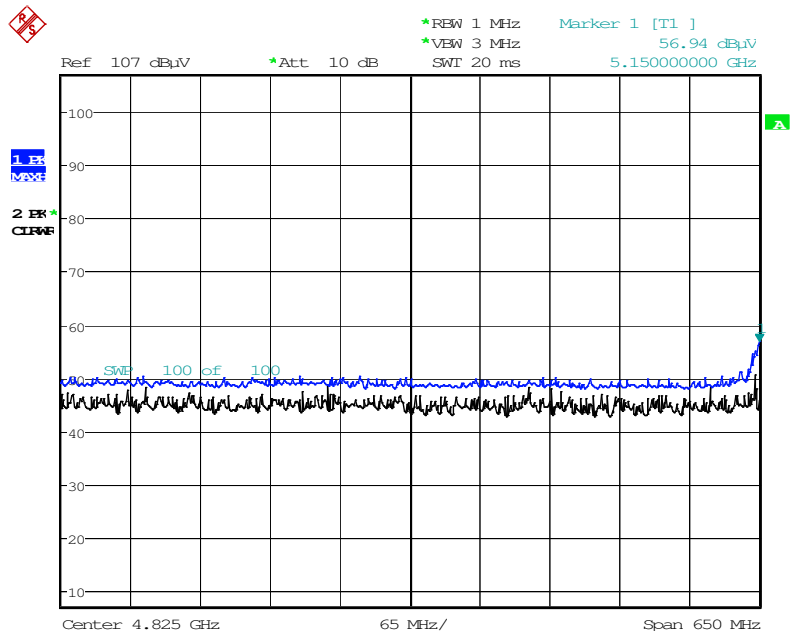
Date: 4.MAR.2016 10:56:09

**Radiated Restricted Band Edges plot – Peak Reading (802.11n\_40M, Ch.38, x-H)**



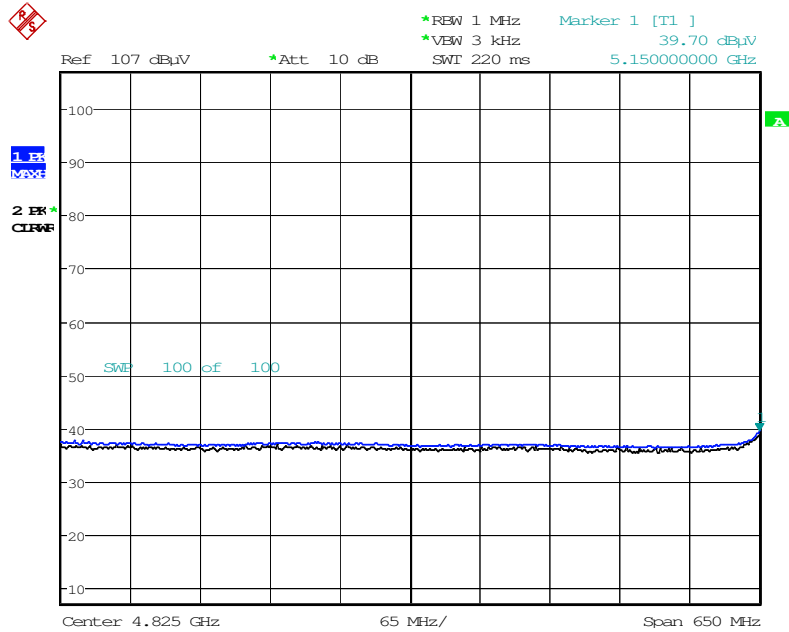
Date: 4.MAR.2016 10:15:30

**Radiated Restricted Band Edges plot – Peak Reading (802.11n\_40M, Ch.38, x-H)**



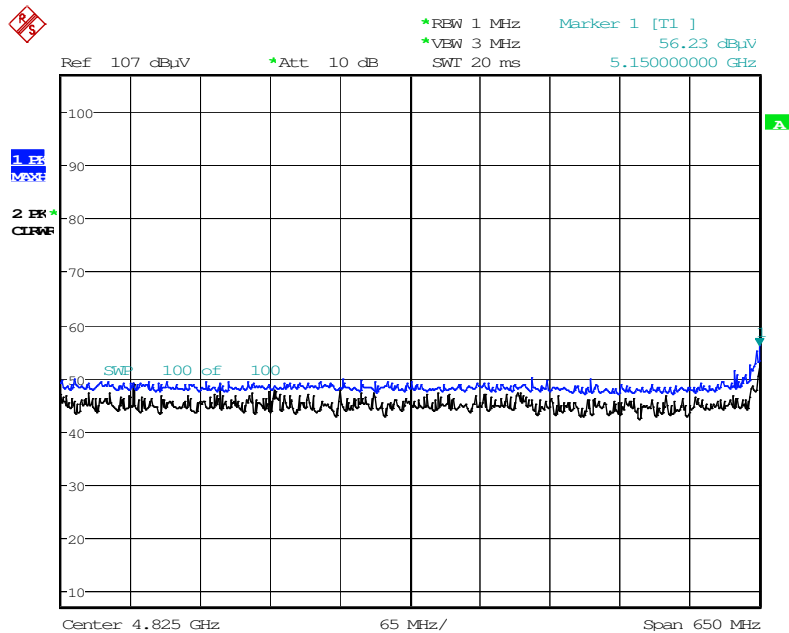
Date: 4.MAR.2016 10:19:23

**Radiated Restricted Band Edges plot –Peak Reading (802.11ac\_40M, Ch.38, x-H)**



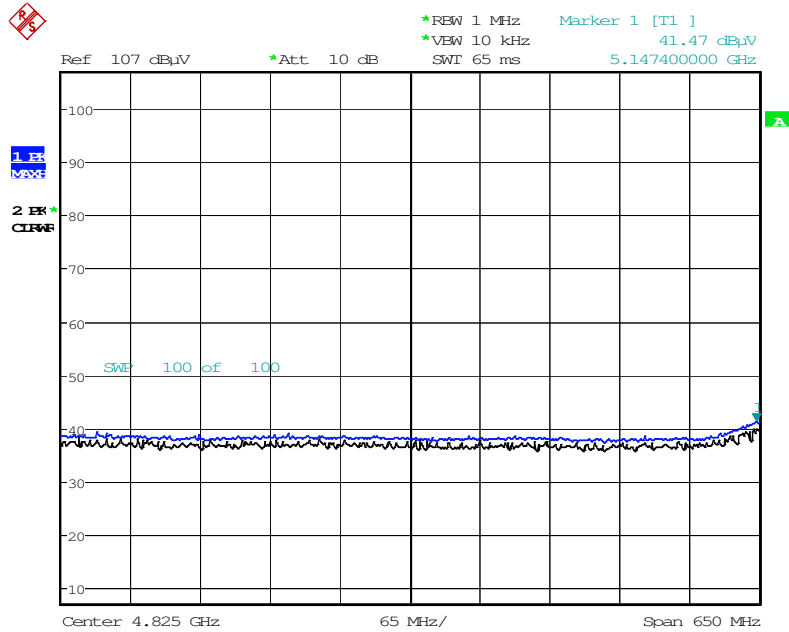
Date: 4.MAR.2016 10:22:50

**Radiated Restricted Band Edges plot – Peak Reading (802.11ac\_40M, Ch.38, x-H)**



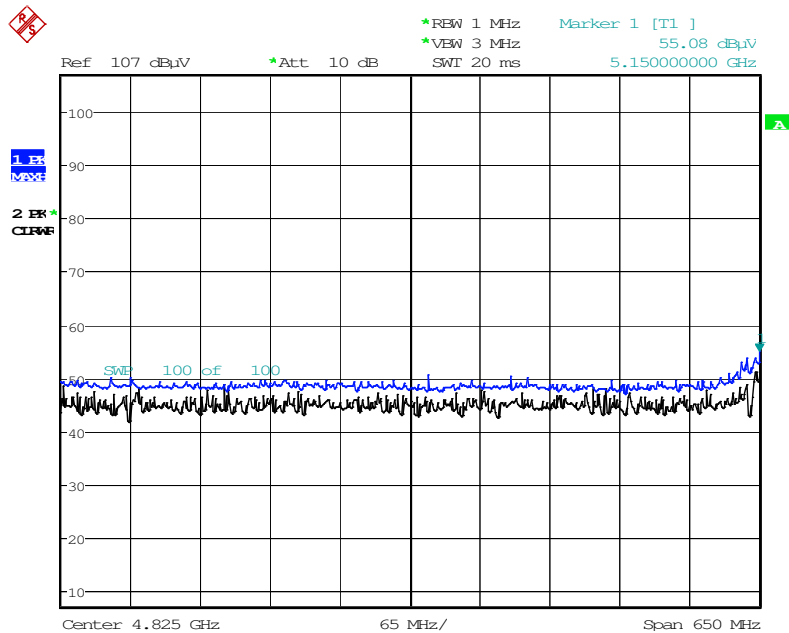
Date: 4.MAR.2016 10:21:07

**Radiated Restricted Band Edges plot – Average Reading (802.11ac\_80M, Ch.42, x-H)**



Date: 4.MAR.2016 10:26:33

**Radiated Restricted Band Edges plot – Peak Reading (802.11ac\_80M, Ch.42, x-H)**



Date: 4.MAR.2016 10:27:28

## 9.7 POWERLINE CONDUCTED EMISSIONS

### Test Requirements and limit, §15.207

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

| Frequency Range (MHz) | Limits (dBμV) |          |
|-----------------------|---------------|----------|
|                       | Quasi-peak    | Average  |
| 0.15 to 0.50          | 66 to 56      | 56 to 46 |
| 0.50 to 5             | 56            | 46       |
| 5 to 30               | 60            | 50       |

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

### Test Configuration

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

### TEST PROCEDURE

1. The EUT is placed on a wooden table 80 cm above the reference groundplane.
2. The EUT is connected via LISN to a test power supply.
3. The measurement results are obtained as described below:
4. Detectors – Quasi Peak and Average Detector.

### Sample Calculation

Quasi-peak(Final Result) = Reading Value + Correction Factor

## RESULT PLOTS

### Conducted Emissions (Line 1)

Test

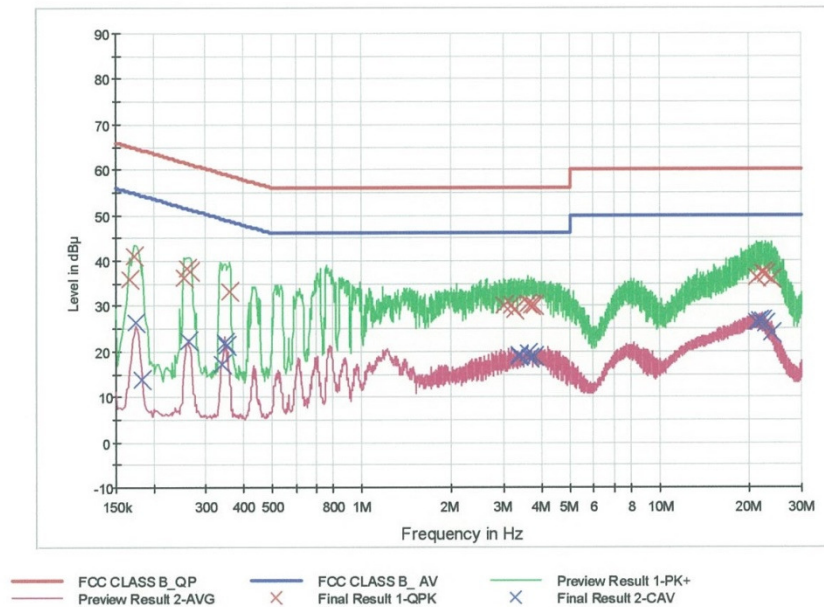
1 / 2

## HCT TEST Report

### Common Information

EUT: SM-J700T  
Manufacturer: SAMSUNG  
Test Site: SHIELD ROOM  
Operating Conditions: WLAN MODE \_ 5G  
Operator Name: SK LEE

FCC CLASS B



### Final Result 1

| Frequency (MHz) | QuasiPeak (dBμV) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) |
|-----------------|------------------|-----------------|--------|------|------------|-------------|--------------|
| 0.166000        | 35.8             | 9.000           | Off    | N    | 9.6        | 29.4        | 65.2         |
| 0.172000        | 41.2             | 9.000           | Off    | N    | 9.6        | 23.7        | 64.9         |
| 0.254000        | 36.1             | 9.000           | Off    | N    | 9.6        | 25.5        | 61.6         |
| 0.260000        | 38.2             | 9.000           | Off    | N    | 9.6        | 23.2        | 61.4         |
| 0.266000        | 37.5             | 9.000           | Off    | N    | 9.6        | 23.7        | 61.2         |
| 0.362000        | 33.1             | 9.000           | Off    | N    | 9.6        | 25.5        | 58.7         |
| 3.004000        | 30.2             | 9.000           | Off    | N    | 9.8        | 25.8        | 56.0         |
| 3.162000        | 30.0             | 9.000           | Off    | N    | 9.8        | 26.0        | 56.0         |
| 3.244000        | 29.2             | 9.000           | Off    | N    | 9.8        | 26.8        | 56.0         |
| 3.612000        | 30.6             | 9.000           | Off    | N    | 9.8        | 25.4        | 56.0         |
| 3.704000        | 30.0             | 9.000           | Off    | N    | 9.8        | 26.0        | 56.0         |
| 3.792000        | 30.0             | 9.000           | Off    | N    | 9.8        | 26.0        | 56.0         |
| 21.114000       | 36.3             | 9.000           | Off    | N    | 10.3       | 23.7        | 60.0         |
| 22.012000       | 37.3             | 9.000           | Off    | N    | 10.3       | 22.7        | 60.0         |
| 22.184000       | 37.3             | 9.000           | Off    | N    | 10.3       | 22.7        | 60.0         |
| 22.526000       | 37.1             | 9.000           | Off    | N    | 10.3       | 22.9        | 60.0         |
| 23.720000       | 36.1             | 9.000           | Off    | N    | 10.4       | 23.9        | 60.0         |
| 23.742000       | 36.0             | 9.000           | Off    | N    | 10.4       | 24.0        | 60.0         |

2016-03-10

오전 11:21:09

Test

2 / 2

### Final Result 2

| Frequency (MHz) | CAverage (dBμV) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) |
|-----------------|-----------------|-----------------|--------|------|------------|-------------|--------------|
| 0.174000        | 26.3            | 9.000           | Off    | N    | 9.6        | 28.5        | 54.8         |
| 0.184000        | 13.7            | 9.000           | Off    | N    | 9.6        | 40.6        | 54.3         |
| 0.262000        | 22.3            | 9.000           | Off    | N    | 9.6        | 29.1        | 51.4         |
| 0.340000        | 17.3            | 9.000           | Off    | N    | 9.6        | 31.9        | 49.2         |
| 0.348000        | 21.9            | 9.000           | Off    | N    | 9.6        | 27.2        | 49.0         |
| 0.352000        | 21.1            | 9.000           | Off    | N    | 9.6        | 27.8        | 48.9         |
| 3.358000        | 18.9            | 9.000           | Off    | N    | 9.8        | 27.1        | 46.0         |
| 3.362000        | 19.2            | 9.000           | Off    | N    | 9.8        | 26.8        | 46.0         |
| 3.610000        | 19.7            | 9.000           | Off    | N    | 9.8        | 26.3        | 46.0         |
| 3.640000        | 18.7            | 9.000           | Off    | N    | 9.8        | 27.3        | 46.0         |
| 3.794000        | 19.0            | 9.000           | Off    | N    | 9.8        | 27.0        | 46.0         |
| 3.798000        | 18.8            | 9.000           | Off    | N    | 9.8        | 27.2        | 46.0         |
| 21.114000       | 26.5            | 9.000           | Off    | N    | 10.3       | 23.5        | 50.0         |
| 21.622000       | 26.6            | 9.000           | Off    | N    | 10.3       | 23.4        | 50.0         |
| 22.012000       | 26.8            | 9.000           | Off    | N    | 10.3       | 23.2        | 50.0         |
| 22.184000       | 26.8            | 9.000           | Off    | N    | 10.3       | 23.2        | 50.0         |
| 22.526000       | 26.0            | 9.000           | Off    | N    | 10.3       | 24.0        | 50.0         |
| 23.720000       | 24.0            | 9.000           | Off    | N    | 10.4       | 26.0        | 50.0         |

2016-03-10

오전 11:21:09

## Conducted Emissions (Line 2)

Test

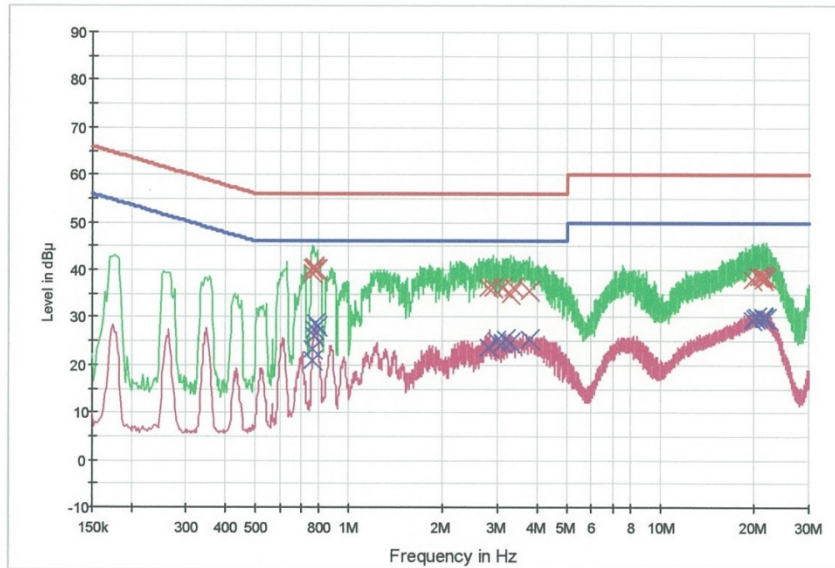
1 / 2

# HCT TEST Report

## Common Information

EUT: SM-J700T  
Manufacturer: SAMSUNG  
Test Site: SHIELD ROOM  
Operating Conditions: WLAN MODE \_ 5G  
Operator Name: SK LEE

FCC CLASS B



— FCC CLASS B\_QP — FCC CLASS B\_AV — Preview Result 1-PK+  
— Preview Result 2-AVG — Final Result 1-QPK — Final Result 2-CAV

## Final Result 1

| Frequency (MHz) | QuasiPeak (dBμV) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) |
|-----------------|------------------|-----------------|--------|------|------------|-------------|--------------|
| 0.760000        | 40.4             | 9.000           | Off    | L1   | 9.7        | 15.6        | 56.0         |
| 0.764000        | 39.4             | 9.000           | Off    | L1   | 9.7        | 16.6        | 56.0         |
| 0.768000        | 40.5             | 9.000           | Off    | L1   | 9.7        | 15.5        | 56.0         |
| 0.772000        | 40.4             | 9.000           | Off    | L1   | 9.7        | 15.6        | 56.0         |
| 0.784000        | 40.0             | 9.000           | Off    | L1   | 9.7        | 16.0        | 56.0         |
| 0.788000        | 40.2             | 9.000           | Off    | L1   | 9.7        | 15.8        | 56.0         |
| 2.792000        | 36.3             | 9.000           | Off    | L1   | 9.8        | 19.7        | 56.0         |
| 2.882000        | 36.2             | 9.000           | Off    | L1   | 9.8        | 19.8        | 56.0         |
| 3.088000        | 36.1             | 9.000           | Off    | L1   | 9.8        | 19.9        | 56.0         |
| 3.276000        | 34.9             | 9.000           | Off    | L1   | 9.8        | 21.1        | 56.0         |
| 3.360000        | 36.1             | 9.000           | Off    | L1   | 9.8        | 19.9        | 56.0         |
| 3.782000        | 35.7             | 9.000           | Off    | L1   | 9.8        | 20.3        | 56.0         |
| 19.774000       | 37.9             | 9.000           | Off    | L1   | 10.2       | 22.1        | 60.0         |
| 20.622000       | 38.5             | 9.000           | Off    | L1   | 10.3       | 21.5        | 60.0         |
| 21.240000       | 38.6             | 9.000           | Off    | L1   | 10.3       | 21.4        | 60.0         |
| 21.402000       | 38.5             | 9.000           | Off    | L1   | 10.3       | 21.5        | 60.0         |
| 21.460000       | 38.1             | 9.000           | Off    | L1   | 10.3       | 21.9        | 60.0         |
| 21.844000       | 38.3             | 9.000           | Off    | L1   | 10.3       | 21.7        | 60.0         |

2016-03-10

오전 11:30:43

Test

2 / 2

### Final Result 2

| Frequency (MHz) | CAverage (dBμV) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) |
|-----------------|-----------------|-----------------|--------|------|------------|-------------|--------------|
| 0.760000        | 21.1            | 9.000           | Off    | L1   | 9.7        | 24.9        | 46.0         |
| 0.764000        | 23.4            | 9.000           | Off    | L1   | 9.7        | 22.6        | 46.0         |
| 0.768000        | 26.2            | 9.000           | Off    | L1   | 9.7        | 19.8        | 46.0         |
| 0.772000        | 27.3            | 9.000           | Off    | L1   | 9.7        | 18.7        | 46.0         |
| 0.784000        | 28.6            | 9.000           | Off    | L1   | 9.7        | 17.4        | 46.0         |
| 0.788000        | 28.0            | 9.000           | Off    | L1   | 9.7        | 18.0        | 46.0         |
| 2.792000        | 23.7            | 9.000           | Off    | L1   | 9.8        | 22.3        | 46.0         |
| 2.976000        | 25.0            | 9.000           | Off    | L1   | 9.8        | 21.0        | 46.0         |
| 3.088000        | 24.8            | 9.000           | Off    | L1   | 9.8        | 21.2        | 46.0         |
| 3.184000        | 25.5            | 9.000           | Off    | L1   | 9.8        | 20.5        | 46.0         |
| 3.276000        | 24.9            | 9.000           | Off    | L1   | 9.8        | 21.1        | 46.0         |
| 3.782000        | 25.3            | 9.000           | Off    | L1   | 9.8        | 20.7        | 46.0         |
| 19.774000       | 29.5            | 9.000           | Off    | L1   | 10.2       | 20.5        | 50.0         |
| 20.088000       | 29.9            | 9.000           | Off    | L1   | 10.3       | 20.1        | 50.0         |
| 20.380000       | 30.0            | 9.000           | Off    | L1   | 10.3       | 20.0        | 50.0         |
| 21.460000       | 30.0            | 9.000           | Off    | L1   | 10.3       | 20.0        | 50.0         |
| 21.466000       | 29.9            | 9.000           | Off    | L1   | 10.3       | 20.1        | 50.0         |
| 21.798000       | 29.8            | 9.000           | Off    | L1   | 10.3       | 20.2        | 50.0         |

2016-03-10

오전 11:30:43

## 10. LIST OF TEST EQUIPMENT

### 10.1 LIST OF TEST EQUIPMENT(Conducted Test)

| Manufacturer    | Model / Equipment                | Calibration<br>Date | Calibration<br>Interval | Serial No. |
|-----------------|----------------------------------|---------------------|-------------------------|------------|
| Rohde & Schwarz | ENV216/ LISN                     | 12/28/2015          | Annual                  | 100073     |
| Agilent         | N9020A / SIGNAL ANALYZER         | 06/30/2015          | Annual                  | MY51110085 |
| Agilent         | N9020A / SIGNAL ANALYZER         | 07/02/2015          | Annual                  | MY50510304 |
| Agilent         | N1911A/Power Meter               | 07/09/2015          | Annual                  | MY45100523 |
| Agilent         | N1921A /POWER SENSOR             | 07/09/2015          | Annual                  | MY45241059 |
| Agilent         | 87300B/Directional Coupler       | 11/30/2015          | Annual                  | 3116A03621 |
| Hewlett Packard | 11667B / Power Splitter          | 06/15/2015          | Annual                  | 5001       |
| Hewlett Packard | E3632A / DC Power Supply         | 03/09/2016          | Annual                  | KR75303962 |
| Agilent         | 8493C / Attenuator(10 dB)        | 07/23/2015          | Annual                  | 07560      |
| ESPAC.          | SH-642 / Temp & Humidity Chamber | 07/23/2015          | Annual                  | 93000717   |

## 10.2 LIST OF TEST EQUIPMENT(Radiated Test)

| Manufacturer          | Model / Equipment                                      | Calibration Date | Calibration Interval | Serial No.  |
|-----------------------|--------------------------------------------------------|------------------|----------------------|-------------|
| Schwarzbeck           | VULB 9160/ TRILOG Antenna                              | 10/10/2014       | Biennial             | 3368        |
| HD                    | MA240/ Antenna Position Tower                          | N/A              | N/A                  | 556         |
| EMCO                  | 1050/ Turn Table                                       | N/A              | N/A                  | 114         |
| HD GmbH               | HD 100/ Controller                                     | N/A              | N/A                  | 13          |
| Schwarzbeck           | BBHA 9120D/ Horn Antenna                               | 05/07/2015       | Biennial             | 937         |
| Schwarzbeck           | BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)               | 04/30/2015       | Biennial             | BBHA9170124 |
| Rohde & Schwarz       | FSP / Spectrum Analyzer                                | 01/15/2016       | Annual               | 839117/011  |
| Wainwright Instrument | WHF3.0/18G-10EF / High Pass Filter                     | 06/29/2015       | Annual               | 8           |
| Wainwright Instrument | WHKX8-6090-7000-18000-40SS / High Pass Filter          | 08/05/2015       | Annual               | 5           |
| Wainwright Instrument | WRCJV5100/5850-40/50-8EEK / Band Reject Filter         | 01/16/2016       | Annual               | 2           |
| Wainwright Instrument | WRCJ2400/2483.5-2370/2520-60/14SS / Band Reject Filter | 06/15/2015       | Annual               | 1           |
| Rohde & Schwarz       | LOOP ANTENNA                                           | 02/04/2016       | Biennial             | 100179      |
| CERNEX                | CBL26405040 / POWER AMP                                | 07/21/2015       | Annual               | 19660       |
| CERNEX                | CBLU1183540 / POWER AMP                                | 07/21/2015       | Annual               | 22964       |
| CERNEX                | CBL18265035 / POWER AMP                                | 07/27/2015       | Annual               | 22966       |
| CERNEX                | CBL06185030 / POWER AMP                                | 07/21/2015       | Annual               | 22965       |